

STORMWATER MANAGEMENT REPORT

For

**Victoria Gardens
Major Site Plan**

**Neptune Township
Monmouth County, New Jersey**

Prepared By:

***P*ROFESSIONAL *D*ESIGN *S*ERVICES, LLC**

**1245 Airport Road, Unit 1
Lakewood, New Jersey 08701
*PDS #321644***

WILLIAM A. STEVENS, P.E. LICENSE #39915

**June 24, 2021
November 19, 2021**

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1.0 PROJECT DESCRIPTION

It is proposed to develop the Victoria Gardens multi-family residential project at the property located Hovchild Boulevard in Neptune Township. Figure 1, enclosed, is a copy of the Monmouth County Road Map illustrating the site's location.

The project is depicted in detail on the Site Plans, prepared by Professional Design Services, LLC.

This report outlines the methodologies and results for management of the increased stormwater runoff created as a result of the development.

2.0 EXISTING SITE CONDITIONS

The following analysis describes the existing environmental conditions based upon literature review and field investigation.

2.1 Topography and Hydrology

The topography of the site is generally minor relief and the site is surrounded by existing development.

Figure 2 is a copy of the USGS Quadrangle Topography Map with the site located.

2.2 Soils

The project site is underlain by the following soils as depicted by the U.S. Department of Agriculture; Monmouth County Soil Survey. Figure 3 is a copy of the Soil Survey with the site located.

Soil Type	% Slope	Depth to SHWT*
LwB - Lakewood sand	0-5	>6'
TnB - Tinton sand	0-5	>6'
HnB – Hammonton sandy loam	0-3	1.5 – 4'
At – Atsion sand	0-2	0- 1'
Sh – Shrewsbury fine sandy loam	0-2	1-5'

Lakewood Sands are well drained soils mapped along Hovchild Boulevard. Tinton sands are also well drained soils mapped in the central portion of the site. Hammonton sandy loam ranges from moderately well drained to somewhat poorly drained and is mapped in the western portion of the site adjacent to Lot 1. Atsion Sands and Shrewsbury fine sandy loam are poorly drained soils found in depressional areas and on low, broad flats and are mapped within the freshwater wetland areas, Shrewsbury in the front wetland area and Atsion the rear wetland area. Of these soils, only Atsion and Shrewsbury are listed as hydric on the USDA's Hydric Soils List for Monmouth County, New Jersey (1990).

The Lakewood and Tinton soils are hydrologic soil group "A". Hammonton Sandy loam is HSG "B". No development is proposed within the Atsion and Shrewsbury soils

3.0 REGULATORY STANDARDS

A. Applicable Regulations

All increased stormwater runoff resulting from the proposed development must be managed both qualitatively and quantitatively in accordance with New Jersey and Neptune Township Regulations.

The Stormwater Management Regulations (NJAC 7:8), as administered by the Neptune Township require the utilization of best available technology to minimize the amount of stormwater runoff, maintain existing onsite infiltration, simulate natural drainage systems and minimize the discharge of pollutants to ground or surface waters. The overall goal of the post-construction stormwater management system design shall be to meet the erosion control, groundwater recharge, stormwater runoff quantity and quality standards at N.J.A.C. 7:8-5.4 and 5.5.

The stormwater management must be design to:

1. Reduce flood damage, including damage to life and property;
2. Minimize, to the extent practical, any increase in stormwater runoff from any new development;
3. Reduce soil erosion from any development or construction project;
4. Assure the adequacy of exiting and proposed culverts and bridges, and other in-stream structures;
5. Maintain groundwater recharge;
6. Prevent, to the greatest extent feasible, an increase in nonpoint pollution;
7. Maintain the integrity of stream channels for their biological functions, as well as for drainage;
8. Minimize pollutants in stormwater runoff from new and existing development in order to restore, enhance and maintain the chemical, physical, and biological integrity of the waters of the State, to protect public health, to safeguard fish and aquatic life and scenic and ecological values and to enhance the domestic, municipal, recreational, industrial and other uses of water; and
9. Protect public safety through the proper design and operation of stormwater management basins.

B. Design and Performance Standards

1. Erosion Control

The minimum design and performance standards for erosion control are those established under the Soil Erosion and Sediment Control Act, N.J.S.A. 4:24-39 et seq. and implementing rules.

2. Groundwater Recharge

The minimum design and performance standards for groundwater recharge require compliance with either of the following:

- a. Demonstrate through hydrologic and hydraulic analysis that the site and its stormwater management measures maintain 100 percent of the average annual pre-construction groundwater recharge volume for the site.
- b. Demonstrate through hydrologic and hydraulic analysis that the increase of stormwater runoff volume from pre-construction to post-construction for the two-year storm is infiltrated.

3. Runoff Quality

In order to control stormwater runoff quantity impacts one of the following must be demonstrated:

- a. Demonstrate through hydrologic and hydraulic analysis that for stormwater leaving the site, post-construction runoff hydrographs for the two, 10 and 100-year storm events do not exceed, at any point in time, the pre-construction runoff hydrographs for the same storm events;
- b. Demonstrate through hydrologic and hydraulic analysis that there is no increase, as compared to the pre-construction condition, in the peak runoff rates of stormwater leaving the site for the two, 10 and 100-year storm events and that the increase volume or change in timing of stormwater runoff will not increase flood damage at or downstream of the site. This analysis shall include the analysis of impacts of existing land uses and projected land uses assuming full development under existing zoning and land use ordinances in the drainage area;
- c. Design stormwater management measures so that the post-construction peak runoff rates for the two, 10 and 100-year storm events are 50, 75 and 80 percent, respectively, of the pre-construction peak runoff rates. The percentages apply only to the post-construction stormwater runoff that is attributable to the portion of the site on which the proposed development or project is to be constructed.

4. Water Quality

Stormwater management measures shall be designed to reduce the post-construction load of total suspended solids (TSS) in stormwater runoff generated from the water quality design storm by 80 percent of the anticipated load from the development site expressed as an annual average.

In accordance with the definition of FW1 at N.J.A.C. 7:9B-1.4, stormwater management measures shall be designed to prevent any increase in stormwater runoff to waters classified as FW1.

Special water resource protection areas shall be established along all waters designated Category One at N.J.A.C. 7:9B and perennial or intermittent streams that drain into or upstream of the Category One waters as shown on the USGS Quadrangle Maps or in the County Soil Surveys, within the associated HUC 14 drainage. These areas shall be established for the protection of water quality, aesthetic value, exceptional ecological significance, exceptional recreational significance, exception water supply significance, and exception fisheries significance of those established Category One waters. These areas shall be designated and protected as follows:

- a. The applicant shall preserve and maintain a special water resource protection area in accordance with one of the following:
 - i. A 300-foot special water resource protection area shall be provided on each side of the waterway, measured perpendicular to the waterway from the top of bank outwards, or from the centerline of the waterway where the bank is not defined, consisting of existing vegetation or vegetation allowed to follow natural succession is provided.
 - ii. Encroachment within the designated special water resource protection area under 1i. above shall only be allowed where previous development or disturbance has occurred. The encroachment shall only be allowed where the project demonstrates that the functional value and overall condition of the special water resource protection area will be maintained to the maximum extent practicable. In no case shall the remaining special water resource protection area be reduced to less than 150 feet as measured perpendicular to the top of bank of the waterway or centerline of the waterway where the bank is undefined.

All stormwater shall be discharged outside of but may flow through the special water resource protection area and shall comply with the Standard for Offsite Stability in the "Standards for Soil Erosion and Sediment Control in New Jersey."

The NJDEP adopted amendments to the Stormwater Management Regulations , effective March 2, 2021, to require the use of green infrastructure. Green infrastructure refers to a set of stormwater management practices that use or mimic the natural water cycle to capture, filter, absorb

and/or re-use stormwater. The fundamental difference is that the new rules will require decentralized, distributed stormwater management practices that enable stormwater to infiltrate and more closely resemble the natural water cycle. These “best management practices” (BMPs) include vegetated swales, bioretention, green roofs, cisterns, wet ponds, infiltration basins and constructed wetlands.

4.0 PROPOSED STORMWATER MANAGEMENT PLAN

As shown on the Site Plans, the proposed stormwater management plan consists of small scale infiltration basins (rain gardens as labeled on the plans) and small scale sand filter in a couple of lawn swales to provide green infrastructure and create a decentralized, distributed stormwater management practice to enable stormwater runoff to infiltrate and more closely resemble the natural water cycle. The infiltration basins will perform water quality control, groundwater recharge and flood control to reduce the peak runoff rates of the 2, 10 and 100 year storm events.

5.0 METHODOLOGY

The methodology used to estimate the stormwater runoff peak flows and volumes for the required storm events is the 24 hour storm using the rainfall distribution recommended by the U.S. Department of Agriculture Soil Conservation Service.

The Stormwater Management Rules (NJAC 7:8) require the utilization of best available technology to minimize the amount of stormwater runoff, maintain existing onsite infiltration, simulate natural drainage systems and minimize the discharge of pollutants to ground or surface waters. The overall goal of the post-construction stormwater management system design shall be the reduction to the pre-development level of total suspended solids (TSS) and soluble contaminants in the stormwater, recharge the two year storm volume and provide flood control.

In order to provide adequate control it is necessary to design the stormwater system so that the post-development peak runoff rate for the two year storm event is 50 percent of the pre-development peak runoff rate for the 10 and 100 year storm events are 75 and 80 percent, respectively, of the pre-development peak runoff rate. The predevelopment runoff rate has been calculated with the site in its current condition (forested) which has existed for more than 5 years. The runoff calculations separately tabulate the impervious and pervious contributory drainage areas and sequentially route the inflow through the basin system for each design storm to ensure that each of the design goals are met. Exfiltration is permitted as an outflow from the small scale infiltration basin per the BMP manual and is utilized in the flood routing calculations as discarded outflow.

Copies of the computations are contained within the appendices of this report.

6.0 SUMMARY

Erosion Control

The project complies with the "New Jersey Standards for Soil Erosion and Sediment Control." Certification for the project must be granted by the Freehold Soil Conservation District.

Green Infrastructure

The green infrastructure requirements have been addressed by providing 6 small scale infiltration basins (rain gardens) and 2 small-scale sand filters in lawn swales. The stone bed filters meet the green infrastructure compliance but are not used to meet the other requirements. The following chart summarizes each BMP:

Name	BMP	Drainage Area (ac)		Stormwater Controls			
		Maximum	Provided	Green	Quality	Recharge	Qua
Rain Garden 1	Small-scale Infiltration	2.5	1.8	Y	Y	Y	Y
Rain Garden 2	Small-scale Infiltration	2.5	2.4	Y	Y	Y	Y
Rain Garden 3	Small-scale Infiltration	2.5	2.4	Y	Y	Y	Y
Rain Garden 4	Small-scale Infiltration	2.5	1.3	Y	Y	Y	Y
Rain Garden 5	Small-scale Infiltration	2.5	1.6	Y	Y	Y	Y
Rain Garden 6	Small-scale Infiltration	2.5	2.3	Y	Y	Y	Y
Sand Filter 1	Small-scale Sand Filter	2.5	1.6	Y	N	N	N
Sand Filter 2	Small-scale Sand Filter	2.5	0.6	Y	N	N	N

A separate DA map has been prepared specifically for Green Infrastructure which is attached. The system complies with the green infrastructure amendment to the Stormwater Rules.

Groundwater Recharge

The rain gardens contain adequate volume to recharge and infiltrate the increased runoff volume for the 2 year storm. The increased volume of runoff is 56,600 cubic feet and the cumulative storage volume below the lowest outlet of each basin is 58,000 cubic feet.

Since adequate storage volume is provided it is not required to complete the NJDEP groundwater recharge spreadsheet.

Runoff Quantity

The following is a summary of the runoff from the project site for the flood storm events:

Storm Event	Pre-Developed Peak Flow	Allowable Peak Flow	Post-Developed Peak Flow
2	0.1	0.05	0.03
10	0.4	0.3	0.3
100	6.2	5.0	0.9

Water Quality

The project site is contributory to surface waters not classified as Category One. It is necessary to provide an 80% TSS removal rate. The proposed basins contain adequate volume to retain the entire water quality storm thereby providing a 100% TSS removal rate, complying with the standards. The maximum water depth for the one year storm does not exceed the maximum water depth for the type of management facility provided.

The stormwater management system complies with the design parameters as set forth in the stormwater regulations.

The project complies with applicable NJDEP and Neptune Township regulations.

7.0 MAINTENANCE

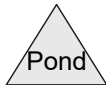
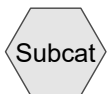
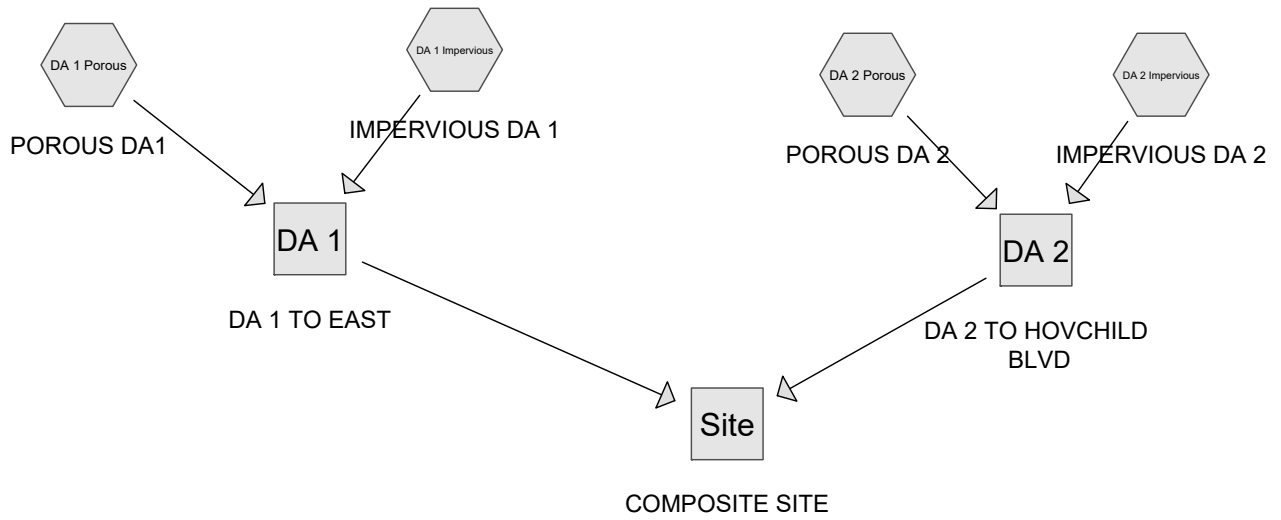
All maintenance activities for the stormwater collection system and management basins will be the responsibility of the Homeowners Association. A stormwater maintenance plan is included in the site plans which illustrates and describes the required inspection & maintenance activities.

All maintenance and inspection activities must be performed in accordance with the Best Management Practices Manual prepared by NJDEP.

APPENDIX A

EXISTING CONDITION CALCULATIONS

- **EXISTING RUNOFF HYDROGRAPHS**



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Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment DA 1 Impervious: Runoff Area=0.040 ac 100.00% Impervious Runoff Depth>2.87"
Tc=22.3 min CN=98 Runoff=0.06 cfs 0.010 af

Subcatchment DA 1 Porous: POROUS DA1 Runoff Area=4.860 ac 0.00% Impervious Runoff Depth>0.00"
Flow Length=100' Slope=0.0170 '/' Tc=22.3 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment DA 2 Impervious: Runoff Area=0.070 ac 100.00% Impervious Runoff Depth>2.86"
Tc=38.6 min CN=98 Runoff=0.07 cfs 0.017 af

Subcatchment DA 2 Porous: POROUS DA 2 Runoff Area=12.530 ac 0.00% Impervious Runoff Depth=0.00"
Flow Length=1,140' Tc=38.6 min CN=36 Runoff=0.00 cfs 0.000 af

Reach DA 1: DA 1 TO EAST Inflow=0.06 cfs 0.010 af
Outflow=0.06 cfs 0.010 af

Reach DA 2: DA 2 TO HOVCHILD BLVD Inflow=0.07 cfs 0.017 af
Outflow=0.07 cfs 0.017 af

Reach Site: COMPOSITE SITE Inflow=0.13 cfs 0.026 af
Outflow=0.13 cfs 0.026 af

Total Runoff Area = 17.500 ac Runoff Volume = 0.026 af Average Runoff Depth = 0.02"
99.37% Pervious = 17.390 ac 0.63% Impervious = 0.110 ac

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Summary for Subcatchment DA 1 Impervious: IMPERVIOUS DA 1

Runoff = 0.06 cfs @ 12.34 hrs, Volume= 0.010 af, Depth> 2.87"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 2 YEAR Rainfall=3.38"

Area (ac)	CN	Description
0.040	98	Paved parking, HSG A
0.040		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.3					Direct Entry,

Summary for Subcatchment DA 1 Porous: POROUS DA1

Runoff = 0.00 cfs @ 20.00 hrs, Volume= 0.000 af, Depth> 0.00"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 2 YEAR Rainfall=3.38"

Area (ac)	CN	Description
3.380	32	Woods/grass comb., Good, HSG A
0.380	39	>75% Grass cover, Good, HSG A
0.380	58	Woods/grass comb., Good, HSG B
0.720	61	>75% Grass cover, Good, HSG B
4.860	39	Weighted Average
4.860		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.3	100	0.0170	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.38"

Summary for Subcatchment DA 2 Impervious: IMPERVIOUS DA 2

Runoff = 0.07 cfs @ 12.55 hrs, Volume= 0.017 af, Depth> 2.86"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 2 YEAR Rainfall=3.38"

Area (ac)	CN	Description
0.060	98	Paved parking, HSG A
0.010	98	Paved parking, HSG B
0.070	98	Weighted Average
0.070		100.00% Impervious Area

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
38.6					Direct Entry,

Summary for Subcatchment DA 2 Porous: POROUS DA 2

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 2 YEAR Rainfall=3.38"

Area (ac)	CN	Description
6.250	32	Woods/grass comb., Good, HSG A
5.920	39	>75% Grass cover, Good, HSG A
0.230	58	Woods/grass comb., Good, HSG B
0.130	61	>75% Grass cover, Good, HSG B
12.530	36	Weighted Average
12.530		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.8	100	0.0400	0.11		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.38"
19.0	360	0.0040	0.32		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
3.8	680		3.00		Direct Entry,
38.6	1,140	Total			

Summary for Reach DA 1: DA 1 TO EAST

Inflow Area = 4.900 ac, 0.82% Impervious, Inflow Depth > 0.02" for 2 YEAR event
Inflow = 0.06 cfs @ 12.34 hrs, Volume= 0.010 af
Outflow = 0.06 cfs @ 12.34 hrs, Volume= 0.010 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Summary for Reach DA 2: DA 2 TO HOVCHILD BLVD

Inflow Area = 12.600 ac, 0.56% Impervious, Inflow Depth > 0.02" for 2 YEAR event
Inflow = 0.07 cfs @ 12.55 hrs, Volume= 0.017 af
Outflow = 0.07 cfs @ 12.55 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

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Summary for Reach Site: COMPOSITE SITE

Inflow Area = 17.500 ac, 0.63% Impervious, Inflow Depth > 0.02" for 2 YEAR event
Inflow = 0.13 cfs @ 12.46 hrs, Volume= 0.026 af
Outflow = 0.13 cfs @ 12.46 hrs, Volume= 0.026 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

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Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment DA 1 Impervious: Runoff Area=0.040 ac 100.00% Impervious Runoff Depth>4.69"
Tc=22.3 min CN=98 Runoff=0.09 cfs 0.016 af

Subcatchment DA 1 Porous: POROUS DA1 Runoff Area=4.860 ac 0.00% Impervious Runoff Depth>0.22"
Flow Length=100' Slope=0.0170 '/' Tc=22.3 min CN=39 Runoff=0.23 cfs 0.088 af

Subcatchment DA 2 Impervious: Runoff Area=0.070 ac 100.00% Impervious Runoff Depth>4.68"
Tc=38.6 min CN=98 Runoff=0.12 cfs 0.027 af

Subcatchment DA 2 Porous: POROUS DA 2 Runoff Area=12.530 ac 0.00% Impervious Runoff Depth>0.12"
Flow Length=1,140' Tc=38.6 min CN=36 Runoff=0.26 cfs 0.121 af

Reach DA 1: DA 1 TO EAST Inflow=0.27 cfs 0.104 af
Outflow=0.27 cfs 0.104 af

Reach DA 2: DA 2 TO HOVCHILD BLVD Inflow=0.28 cfs 0.149 af
Outflow=0.28 cfs 0.149 af

Reach Site: COMPOSITE SITE Inflow=0.50 cfs 0.253 af
Outflow=0.50 cfs 0.253 af

Total Runoff Area = 17.500 ac Runoff Volume = 0.253 af Average Runoff Depth = 0.17"
99.37% Pervious = 17.390 ac 0.63% Impervious = 0.110 ac

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Summary for Subcatchment DA 1 Impervious: IMPERVIOUS DA 1

Runoff = 0.09 cfs @ 12.34 hrs, Volume= 0.016 af, Depth> 4.69"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 10 YEAR Rainfall=5.42"

Area (ac)	CN	Description
0.040	98	Paved parking, HSG A
0.040		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.3					Direct Entry,

Summary for Subcatchment DA 1 Porous: POROUS DA1

Runoff = 0.23 cfs @ 13.31 hrs, Volume= 0.088 af, Depth> 0.22"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 10 YEAR Rainfall=5.42"

Area (ac)	CN	Description
3.380	32	Woods/grass comb., Good, HSG A
0.380	39	>75% Grass cover, Good, HSG A
0.380	58	Woods/grass comb., Good, HSG B
0.720	61	>75% Grass cover, Good, HSG B
4.860	39	Weighted Average
4.860		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.3	100	0.0170	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.38"

Summary for Subcatchment DA 2 Impervious: IMPERVIOUS DA 2

Runoff = 0.12 cfs @ 12.55 hrs, Volume= 0.027 af, Depth> 4.68"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 10 YEAR Rainfall=5.42"

Area (ac)	CN	Description
0.060	98	Paved parking, HSG A
0.010	98	Paved parking, HSG B
0.070	98	Weighted Average
0.070		100.00% Impervious Area

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NOAA 24-hr D 10 YEAR Rainfall=5.42"

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
38.6					Direct Entry,

Summary for Subcatchment DA 2 Porous: POROUS DA 2

Runoff = 0.26 cfs @ 14.87 hrs, Volume= 0.121 af, Depth> 0.12"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 10 YEAR Rainfall=5.42"

Area (ac)	CN	Description
6.250	32	Woods/grass comb., Good, HSG A
5.920	39	>75% Grass cover, Good, HSG A
0.230	58	Woods/grass comb., Good, HSG B
0.130	61	>75% Grass cover, Good, HSG B
12.530	36	Weighted Average
12.530		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.8	100	0.0400	0.11		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.38"
19.0	360	0.0040	0.32		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
3.8	680		3.00		Direct Entry,
38.6	1,140	Total			

Summary for Reach DA 1: DA 1 TO EAST

Inflow Area = 4.900 ac, 0.82% Impervious, Inflow Depth > 0.25" for 10 YEAR event
Inflow = 0.27 cfs @ 13.15 hrs, Volume= 0.104 af
Outflow = 0.27 cfs @ 13.15 hrs, Volume= 0.104 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Summary for Reach DA 2: DA 2 TO HOVCHILD BLVD

Inflow Area = 12.600 ac, 0.56% Impervious, Inflow Depth > 0.14" for 10 YEAR event
Inflow = 0.28 cfs @ 14.61 hrs, Volume= 0.149 af
Outflow = 0.28 cfs @ 14.61 hrs, Volume= 0.149 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

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Summary for Reach Site: COMPOSITE SITE

Inflow Area = 17.500 ac, 0.63% Impervious, Inflow Depth > 0.17" for 10 YEAR event
Inflow = 0.50 cfs @ 13.62 hrs, Volume= 0.253 af
Outflow = 0.50 cfs @ 13.62 hrs, Volume= 0.253 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

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Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment DA 1 Impervious: Runoff Area=0.040 ac 100.00% Impervious Runoff Depth>8.11"
Tc=22.3 min CN=98 Runoff=0.16 cfs 0.027 af

Subcatchment DA 1 Porous: POROUS DA1 Runoff Area=4.860 ac 0.00% Impervious Runoff Depth>1.47"
Flow Length=100' Slope=0.0170 '/' Tc=22.3 min CN=39 Runoff=3.04 cfs 0.595 af

Subcatchment DA 2 Impervious: Runoff Area=0.070 ac 100.00% Impervious Runoff Depth>8.10"
Tc=38.6 min CN=98 Runoff=0.21 cfs 0.047 af

Subcatchment DA 2 Porous: POROUS DA 2 Runoff Area=12.530 ac 0.00% Impervious Runoff Depth>1.13"
Flow Length=1,140' Tc=38.6 min CN=36 Runoff=4.14 cfs 1.184 af

Reach DA 1: DA 1 TO EAST Inflow=3.19 cfs 0.622 af
Outflow=3.19 cfs 0.622 af

Reach DA 2: DA 2 TO HOVCHILD BLVD Inflow=4.32 cfs 1.232 af
Outflow=4.32 cfs 1.232 af

Reach Site: COMPOSITE SITE Inflow=7.12 cfs 1.854 af
Outflow=7.12 cfs 1.854 af

Total Runoff Area = 17.500 ac Runoff Volume = 1.854 af Average Runoff Depth = 1.27"
99.37% Pervious = 17.390 ac 0.63% Impervious = 0.110 ac

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Summary for Subcatchment DA 1 Impervious: IMPERVIOUS DA 1

Runoff = 0.16 cfs @ 12.34 hrs, Volume= 0.027 af, Depth> 8.11"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 100 YEAR Rainfall=9.28"

Area (ac)	CN	Description
0.040	98	Paved parking, HSG A
0.040		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.3					Direct Entry,

Summary for Subcatchment DA 1 Porous: POROUS DA1

Runoff = 3.04 cfs @ 12.46 hrs, Volume= 0.595 af, Depth> 1.47"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 100 YEAR Rainfall=9.28"

Area (ac)	CN	Description
3.380	32	Woods/grass comb., Good, HSG A
0.380	39	>75% Grass cover, Good, HSG A
0.380	58	Woods/grass comb., Good, HSG B
0.720	61	>75% Grass cover, Good, HSG B
4.860	39	Weighted Average
4.860		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
22.3	100	0.0170	0.07		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.38"

Summary for Subcatchment DA 2 Impervious: IMPERVIOUS DA 2

Runoff = 0.21 cfs @ 12.55 hrs, Volume= 0.047 af, Depth> 8.10"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 100 YEAR Rainfall=9.28"

Area (ac)	CN	Description
0.060	98	Paved parking, HSG A
0.010	98	Paved parking, HSG B
0.070	98	Weighted Average
0.070		100.00% Impervious Area

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Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
38.6					Direct Entry,

Summary for Subcatchment DA 2 Porous: POROUS DA 2

Runoff = 4.14 cfs @ 12.90 hrs, Volume= 1.184 af, Depth> 1.13"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
NOAA 24-hr D 100 YEAR Rainfall=9.28"

Area (ac)	CN	Description
6.250	32	Woods/grass comb., Good, HSG A
5.920	39	>75% Grass cover, Good, HSG A
0.230	58	Woods/grass comb., Good, HSG B
0.130	61	>75% Grass cover, Good, HSG B
12.530	36	Weighted Average
12.530		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.8	100	0.0400	0.11		Sheet Flow, Woods: Light underbrush n= 0.400 P2= 3.38"
19.0	360	0.0040	0.32		Shallow Concentrated Flow, Woodland Kv= 5.0 fps
3.8	680		3.00		Direct Entry,
38.6	1,140	Total			

Summary for Reach DA 1: DA 1 TO EAST

Inflow Area = 4.900 ac, 0.82% Impervious, Inflow Depth > 1.52" for 100 YEAR event
Inflow = 3.19 cfs @ 12.45 hrs, Volume= 0.622 af
Outflow = 3.19 cfs @ 12.45 hrs, Volume= 0.622 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

Summary for Reach DA 2: DA 2 TO HOVCHILD BLVD

Inflow Area = 12.600 ac, 0.56% Impervious, Inflow Depth > 1.17" for 100 YEAR event
Inflow = 4.32 cfs @ 12.87 hrs, Volume= 1.232 af
Outflow = 4.32 cfs @ 12.87 hrs, Volume= 1.232 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

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Summary for Reach Site: COMPOSITE SITE

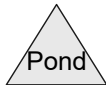
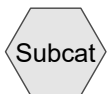
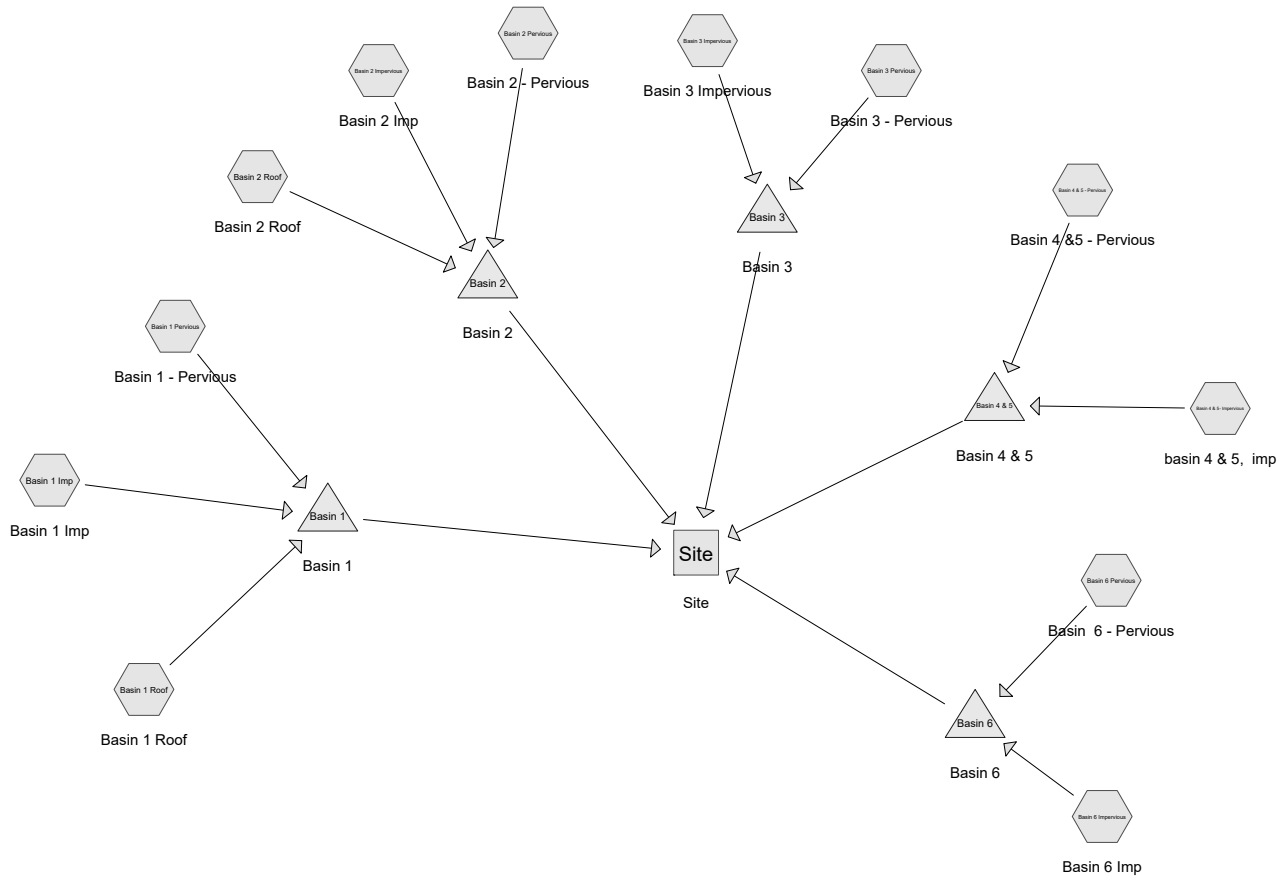
Inflow Area = 17.500 ac, 0.63% Impervious, Inflow Depth > 1.27" for 100 YEAR event
Inflow = 7.12 cfs @ 12.70 hrs, Volume= 1.854 af
Outflow = 7.12 cfs @ 12.70 hrs, Volume= 1.854 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs

APPENDIX B

PROPOSED CONDITION CALCULATIONS

- **PROPOSED RUNOFF HYDROGRAPHS**
 - **VOLUME CALCULATIONS**
 - **OUTLET CALCULATIONS**
- **FLOOD ROUTING CALCULATIONS**
- **TIME TO DRAIN CALCULATIONS**



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Time span=5.00-30.00 hrs, dt=0.05 hrs, 501 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment Basin 1 Imp: Basin 1 Imp Runoff Area=0.600 ac 100.00% Impervious Runoff Depth>3.14"
Tc=10.0 min CN=98 Runoff=1.21 cfs 0.157 af

Subcatchment Basin 1 Pervious: Basin 1 - Runoff Area=2.100 ac 0.00% Impervious Runoff Depth=0.01"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.00 cfs 0.002 af

Subcatchment Basin 1 Roof: Basin 1 Roof Runoff Area=0.500 ac 100.00% Impervious Runoff Depth>3.14"
Tc=10.0 min CN=98 Runoff=1.01 cfs 0.131 af

Subcatchment Basin 2 Impervious: Basin Runoff Area=0.800 ac 100.00% Impervious Runoff Depth>3.14"
Tc=10.0 min CN=98 Runoff=1.62 cfs 0.210 af

Subcatchment Basin 2 Pervious: Basin 2 - Runoff Area=2.050 ac 0.00% Impervious Runoff Depth=0.01"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.00 cfs 0.001 af

Subcatchment Basin 2 Roof: Basin 2 Roof Runoff Area=0.350 ac 100.00% Impervious Runoff Depth>3.14"
Tc=10.0 min CN=98 Runoff=0.71 cfs 0.092 af

Subcatchment Basin 3 Impervious: Basin Runoff Area=1.200 ac 100.00% Impervious Runoff Depth>3.14"
Tc=10.0 min CN=98 Runoff=2.43 cfs 0.314 af

Subcatchment Basin 3 Pervious: Basin 3 - Runoff Area=3.300 ac 0.00% Impervious Runoff Depth=0.01"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.01 cfs 0.002 af

Subcatchment Basin 4 & 5 - Pervious: Basin Runoff Area=3.100 ac 0.00% Impervious Runoff Depth=0.01"
Flow Length=1,440' Tc=17.3 min CN=39 Runoff=0.01 cfs 0.002 af

Subcatchment Basin 4 & 5- Impervious: Runoff Area=1.100 ac 100.00% Impervious Runoff Depth>3.14"
Tc=10.0 min CN=98 Runoff=2.23 cfs 0.288 af

Subcatchment Basin 6 Impervious: Basin Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>3.14"
Tc=10.0 min CN=98 Runoff=0.81 cfs 0.105 af

Subcatchment Basin 6 Pervious: Basin 6 - Runoff Area=1.500 ac 0.00% Impervious Runoff Depth=0.01"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.00 cfs 0.001 af

Reach Site: Site Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond Basin 1: Basin 1 Peak Elev=90.29' Storage=0.112 af Inflow=2.23 cfs 0.290 af
Discarded=0.33 cfs 0.290 af Primary=0.00 cfs 0.000 af Outflow=0.33 cfs 0.290 af

Pond Basin 2: Basin 2 Peak Elev=87.86' Storage=0.103 af Inflow=2.33 cfs 0.303 af
Discarded=0.38 cfs 0.303 af Primary=0.00 cfs 0.000 af Outflow=0.38 cfs 0.303 af

Pond Basin 3: Basin 3 Peak Elev=86.35' Storage=0.084 af Inflow=2.43 cfs 0.317 af
Discarded=0.53 cfs 0.317 af Primary=0.00 cfs 0.000 af Outflow=0.53 cfs 0.317 af

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Pond Basin 4 & 5: Basin 4 & 5

Peak Elev=88.92' Storage=0.101 af Inflow=2.23 cfs 0.290 af
Discarded=0.37 cfs 0.290 af Primary=0.00 cfs 0.000 af Outflow=0.37 cfs 0.290 af

Pond Basin 6: Basin 6

Peak Elev=92.08' Storage=0.018 af Inflow=0.81 cfs 0.106 af
Discarded=0.34 cfs 0.106 af Primary=0.00 cfs 0.000 af Outflow=0.34 cfs 0.106 af

Total Runoff Area = 17.000 ac Runoff Volume = 1.305 af Average Runoff Depth = 0.92"
70.88% Pervious = 12.050 ac 29.12% Impervious = 4.950 ac

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Summary for Subcatchment Basin 1 Imp: Basin 1 Imp

Runoff = 1.21 cfs @ 12.19 hrs, Volume= 0.157 af, Depth> 3.14"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D 2 year Rainfall=3.50"

Area (ac)	CN	Description
* 0.350	98	Pavement & Sidewalk
* 0.250	98	Driveways
0.600	98	Weighted Average
0.600		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.14	0.03	7.60	0.49	0.31	0.05
5.05	0.29	0.14	0.03	7.65	0.50	0.32	0.05
5.10	0.30	0.14	0.03	7.70	0.50	0.32	0.05
5.15	0.30	0.15	0.03	7.75	0.51	0.33	0.05
5.20	0.30	0.15	0.03	7.80	0.51	0.33	0.05
5.25	0.31	0.15	0.03	7.85	0.52	0.33	0.05
5.30	0.31	0.15	0.03	7.90	0.52	0.34	0.05
5.35	0.32	0.16	0.03	7.95	0.53	0.34	0.05
5.40	0.32	0.16	0.03	8.00	0.53	0.35	0.05
5.45	0.32	0.16	0.03	8.05	0.54	0.35	0.05
5.50	0.33	0.17	0.03	8.10	0.54	0.36	0.05
5.55	0.33	0.17	0.03	8.15	0.55	0.36	0.06
5.60	0.33	0.17	0.03	8.20	0.55	0.37	0.06
5.65	0.34	0.17	0.03	8.25	0.56	0.37	0.06
5.70	0.34	0.18	0.03	8.30	0.56	0.38	0.06
5.75	0.34	0.18	0.03	8.35	0.57	0.38	0.06
5.80	0.35	0.18	0.03	8.40	0.58	0.39	0.06
5.85	0.35	0.19	0.03	8.45	0.58	0.39	0.06
5.90	0.35	0.19	0.04	8.50	0.59	0.40	0.06
5.95	0.36	0.19	0.04	8.55	0.59	0.40	0.06
6.00	0.36	0.20	0.04	8.60	0.60	0.41	0.06
6.05	0.36	0.20	0.04	8.65	0.60	0.41	0.06
6.10	0.37	0.20	0.04	8.70	0.61	0.42	0.06
6.15	0.37	0.20	0.04	8.75	0.61	0.42	0.06
6.20	0.38	0.21	0.04	8.80	0.62	0.43	0.06
6.25	0.38	0.21	0.04	8.85	0.63	0.43	0.06
6.30	0.38	0.21	0.04	8.90	0.63	0.44	0.06
6.35	0.39	0.22	0.04	8.95	0.64	0.44	0.06
6.40	0.39	0.22	0.04	9.00	0.64	0.45	0.06
6.45	0.39	0.22	0.04	9.05	0.65	0.45	0.06
6.50	0.40	0.23	0.04	9.10	0.65	0.46	0.06
6.55	0.40	0.23	0.04	9.15	0.66	0.47	0.07
6.60	0.41	0.23	0.04	9.20	0.67	0.47	0.07
6.65	0.41	0.24	0.04	9.25	0.67	0.48	0.07
6.70	0.41	0.24	0.04	9.30	0.68	0.48	0.07
6.75	0.42	0.25	0.04	9.35	0.69	0.49	0.07
6.80	0.42	0.25	0.04	9.40	0.69	0.50	0.07
6.85	0.43	0.25	0.04	9.45	0.70	0.50	0.07
6.90	0.43	0.26	0.04	9.50	0.71	0.51	0.07
6.95	0.44	0.26	0.04	9.55	0.71	0.52	0.08
7.00	0.44	0.26	0.04	9.60	0.72	0.52	0.08
7.05	0.44	0.27	0.04	9.65	0.73	0.53	0.08
7.10	0.45	0.27	0.04	9.70	0.74	0.54	0.08
7.15	0.45	0.28	0.05	9.75	0.74	0.55	0.08
7.20	0.46	0.28	0.05	9.80	0.75	0.55	0.08
7.25	0.46	0.28	0.05	9.85	0.76	0.56	0.08
7.30	0.47	0.29	0.05	9.90	0.77	0.57	0.09
7.35	0.47	0.29	0.05	9.95	0.78	0.58	0.09
7.40	0.48	0.30	0.05	10.00	0.78	0.58	0.09
7.45	0.48	0.30	0.05	10.05	0.79	0.59	0.09
7.50	0.48	0.30	0.05	10.10	0.80	0.60	0.09
7.55	0.49	0.31	0.05	10.15	0.81	0.61	0.09

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.62	0.09	12.80	2.44	2.21	0.31
10.25	0.83	0.63	0.10	12.85	2.46	2.23	0.28
10.30	0.84	0.63	0.10	12.90	2.48	2.25	0.26
10.35	0.85	0.64	0.10	12.95	2.49	2.26	0.25
10.40	0.86	0.65	0.10	13.00	2.51	2.28	0.23
10.45	0.86	0.66	0.10	13.05	2.52	2.29	0.22
10.50	0.87	0.67	0.10	13.10	2.53	2.30	0.21
10.55	0.88	0.68	0.11	13.15	2.55	2.32	0.20
10.60	0.89	0.69	0.11	13.20	2.56	2.33	0.19
10.65	0.91	0.70	0.11	13.25	2.57	2.34	0.18
10.70	0.92	0.71	0.11	13.30	2.58	2.35	0.17
10.75	0.93	0.72	0.12	13.35	2.59	2.36	0.16
10.80	0.94	0.73	0.12	13.40	2.61	2.38	0.16
10.85	0.95	0.75	0.13	13.45	2.62	2.39	0.15
10.90	0.97	0.76	0.13	13.50	2.63	2.40	0.15
10.95	0.98	0.77	0.14	13.55	2.64	2.41	0.14
11.00	0.99	0.79	0.14	13.60	2.64	2.41	0.14
11.05	1.01	0.80	0.15	13.65	2.65	2.42	0.13
11.10	1.02	0.81	0.15	13.70	2.66	2.43	0.13
11.15	1.04	0.83	0.16	13.75	2.67	2.44	0.12
11.20	1.06	0.85	0.16	13.80	2.68	2.45	0.12
11.25	1.08	0.86	0.17	13.85	2.69	2.46	0.12
11.30	1.09	0.88	0.18	13.90	2.70	2.47	0.11
11.35	1.11	0.90	0.19	13.95	2.71	2.48	0.11
11.40	1.13	0.92	0.19	14.00	2.72	2.48	0.11
11.45	1.15	0.94	0.20	14.05	2.72	2.49	0.11
11.50	1.17	0.96	0.21	14.10	2.73	2.50	0.11
11.55	1.20	0.99	0.22	14.15	2.74	2.51	0.10
11.60	1.23	1.01	0.23	14.20	2.75	2.52	0.10
11.65	1.25	1.04	0.25	14.25	2.76	2.52	0.10
11.70	1.28	1.07	0.27	14.30	2.76	2.53	0.10
11.75	1.32	1.11	0.29	14.35	2.77	2.54	0.10
11.80	1.36	1.14	0.32	14.40	2.78	2.55	0.10
11.85	1.42	1.20	0.35	14.45	2.79	2.55	0.09
11.90	1.48	1.26	0.41	14.50	2.79	2.56	0.09
11.95	1.58	1.35	0.48	14.55	2.80	2.57	0.09
12.00	1.68	1.45	0.59	14.60	2.81	2.58	0.09
12.05	1.85	1.63	0.74	14.65	2.81	2.58	0.09
12.10	2.02	1.80	0.96	14.70	2.82	2.59	0.09
12.15	2.08	1.86	1.17	14.75	2.83	2.60	0.09
12.20	2.14	1.91	1.21	14.80	2.83	2.60	0.08
12.25	2.18	1.95	1.11	14.85	2.84	2.61	0.08
12.30	2.22	1.99	0.99	14.90	2.85	2.61	0.08
12.35	2.25	2.02	0.87	14.95	2.85	2.62	0.08
12.40	2.27	2.05	0.77	15.00	2.86	2.63	0.08
12.45	2.30	2.07	0.67	15.05	2.86	2.63	0.08
12.50	2.33	2.10	0.60	15.10	2.87	2.64	0.08
12.55	2.35	2.12	0.53	15.15	2.87	2.64	0.07
12.60	2.37	2.14	0.48	15.20	2.88	2.65	0.07
12.65	2.39	2.16	0.42	15.25	2.89	2.65	0.07
12.70	2.41	2.18	0.38	15.30	2.89	2.66	0.07
12.75	2.42	2.20	0.34	15.35	2.90	2.67	0.07

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	2.67	0.07	18.00	3.14	2.91	0.05
15.45	2.91	2.68	0.07	18.05	3.14	2.91	0.05
15.50	2.91	2.68	0.07	18.10	3.15	2.91	0.04
15.55	2.92	2.69	0.07	18.15	3.15	2.92	0.04
15.60	2.92	2.69	0.07	18.20	3.15	2.92	0.04
15.65	2.93	2.70	0.07	18.25	3.16	2.92	0.04
15.70	2.94	2.70	0.07	18.30	3.16	2.93	0.04
15.75	2.94	2.71	0.07	18.35	3.16	2.93	0.04
15.80	2.95	2.71	0.07	18.40	3.17	2.94	0.04
15.85	2.95	2.72	0.06	18.45	3.17	2.94	0.04
15.90	2.96	2.72	0.06	18.50	3.17	2.94	0.04
15.95	2.96	2.73	0.06	18.55	3.18	2.95	0.04
16.00	2.97	2.73	0.06	18.60	3.18	2.95	0.04
16.05	2.97	2.74	0.06	18.65	3.18	2.95	0.04
16.10	2.98	2.74	0.06	18.70	3.19	2.96	0.04
16.15	2.98	2.75	0.06	18.75	3.19	2.96	0.04
16.20	2.99	2.75	0.06	18.80	3.20	2.96	0.04
16.25	2.99	2.76	0.06	18.85	3.20	2.97	0.04
16.30	3.00	2.76	0.06	18.90	3.20	2.97	0.04
16.35	3.00	2.77	0.06	18.95	3.21	2.97	0.04
16.40	3.01	2.77	0.06	19.00	3.21	2.98	0.04
16.45	3.01	2.78	0.06	19.05	3.21	2.98	0.04
16.50	3.02	2.78	0.06	19.10	3.22	2.98	0.04
16.55	3.02	2.79	0.06	19.15	3.22	2.99	0.04
16.60	3.02	2.79	0.06	19.20	3.22	2.99	0.04
16.65	3.03	2.80	0.06	19.25	3.23	2.99	0.04
16.70	3.03	2.80	0.06	19.30	3.23	3.00	0.04
16.75	3.04	2.81	0.06	19.35	3.23	3.00	0.04
16.80	3.04	2.81	0.06	19.40	3.24	3.00	0.04
16.85	3.05	2.82	0.06	19.45	3.24	3.01	0.04
16.90	3.05	2.82	0.06	19.50	3.24	3.01	0.04
16.95	3.06	2.82	0.05	19.55	3.25	3.01	0.04
17.00	3.06	2.83	0.05	19.60	3.25	3.02	0.04
17.05	3.06	2.83	0.05	19.65	3.25	3.02	0.04
17.10	3.07	2.84	0.05	19.70	3.26	3.02	0.04
17.15	3.07	2.84	0.05	19.75	3.26	3.03	0.04
17.20	3.08	2.85	0.05	19.80	3.26	3.03	0.04
17.25	3.08	2.85	0.05	19.85	3.26	3.03	0.04
17.30	3.09	2.85	0.05	19.90	3.27	3.04	0.04
17.35	3.09	2.86	0.05	19.95	3.27	3.04	0.04
17.40	3.09	2.86	0.05	20.00	3.27	3.04	0.04
17.45	3.10	2.87	0.05	20.05	3.28	3.04	0.04
17.50	3.10	2.87	0.05	20.10	3.28	3.05	0.04
17.55	3.11	2.87	0.05	20.15	3.28	3.05	0.04
17.60	3.11	2.88	0.05	20.20	3.29	3.05	0.04
17.65	3.11	2.88	0.05	20.25	3.29	3.06	0.04
17.70	3.12	2.89	0.05	20.30	3.29	3.06	0.04
17.75	3.12	2.89	0.05	20.35	3.30	3.06	0.04
17.80	3.12	2.89	0.05	20.40	3.30	3.07	0.04
17.85	3.13	2.90	0.05	20.45	3.30	3.07	0.04
17.90	3.13	2.90	0.05	20.50	3.31	3.07	0.04
17.95	3.14	2.90	0.05	20.55	3.31	3.08	0.04

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	3.08	0.04	23.20	3.46	3.23	0.03
20.65	3.32	3.08	0.04	23.25	3.46	3.23	0.03
20.70	3.32	3.09	0.04	23.30	3.46	3.23	0.03
20.75	3.32	3.09	0.04	23.35	3.47	3.23	0.03
20.80	3.32	3.09	0.04	23.40	3.47	3.24	0.03
20.85	3.33	3.09	0.04	23.45	3.47	3.24	0.03
20.90	3.33	3.10	0.04	23.50	3.47	3.24	0.03
20.95	3.33	3.10	0.04	23.55	3.48	3.24	0.03
21.00	3.34	3.10	0.04	23.60	3.48	3.25	0.03
21.05	3.34	3.11	0.04	23.65	3.48	3.25	0.03
21.10	3.34	3.11	0.04	23.70	3.48	3.25	0.03
21.15	3.35	3.11	0.04	23.75	3.49	3.25	0.03
21.20	3.35	3.12	0.04	23.80	3.49	3.26	0.03
21.25	3.35	3.12	0.04	23.85	3.49	3.26	0.03
21.30	3.35	3.12	0.04	23.90	3.49	3.26	0.03
21.35	3.36	3.12	0.04	23.95	3.50	3.26	0.03
21.40	3.36	3.13	0.04	24.00	3.50	3.27	0.03
21.45	3.36	3.13	0.04	24.05	3.50	3.27	0.03
21.50	3.37	3.13	0.04	24.10	3.50	3.27	0.03
21.55	3.37	3.14	0.04	24.15	3.50	3.27	0.02
21.60	3.37	3.14	0.04	24.20	3.50	3.27	0.02
21.65	3.37	3.14	0.04	24.25	3.50	3.27	0.01
21.70	3.38	3.14	0.04	24.30	3.50	3.27	0.01
21.75	3.38	3.15	0.04	24.35	3.50	3.27	0.01
21.80	3.38	3.15	0.03	24.40	3.50	3.27	0.01
21.85	3.39	3.15	0.03	24.45	3.50	3.27	0.00
21.90	3.39	3.16	0.03	24.50	3.50	3.27	0.00
21.95	3.39	3.16	0.03	24.55	3.50	3.27	0.00
22.00	3.39	3.16	0.03	24.60	3.50	3.27	0.00
22.05	3.40	3.16	0.03	24.65	3.50	3.27	0.00
22.10	3.40	3.17	0.03	24.70	3.50	3.27	0.00
22.15	3.40	3.17	0.03	24.75	3.50	3.27	0.00
22.20	3.41	3.17	0.03	24.80	3.50	3.27	0.00
22.25	3.41	3.18	0.03	24.85	3.50	3.27	0.00
22.30	3.41	3.18	0.03	24.90	3.50	3.27	0.00
22.35	3.41	3.18	0.03	24.95	3.50	3.27	0.00
22.40	3.42	3.18	0.03	25.00	3.50	3.27	0.00
22.45	3.42	3.19	0.03	25.05	3.50	3.27	0.00
22.50	3.42	3.19	0.03	25.10	3.50	3.27	0.00
22.55	3.42	3.19	0.03	25.15	3.50	3.27	0.00
22.60	3.43	3.19	0.03	25.20	3.50	3.27	0.00
22.65	3.43	3.20	0.03	25.25	3.50	3.27	0.00
22.70	3.43	3.20	0.03	25.30	3.50	3.27	0.00
22.75	3.44	3.20	0.03	25.35	3.50	3.27	0.00
22.80	3.44	3.21	0.03	25.40	3.50	3.27	0.00
22.85	3.44	3.21	0.03	25.45	3.50	3.27	0.00
22.90	3.44	3.21	0.03	25.50	3.50	3.27	0.00
22.95	3.45	3.21	0.03	25.55	3.50	3.27	0.00
23.00	3.45	3.22	0.03	25.60	3.50	3.27	0.00
23.05	3.45	3.22	0.03	25.65	3.50	3.27	0.00
23.10	3.45	3.22	0.03	25.70	3.50	3.27	0.00
23.15	3.46	3.22	0.03	25.75	3.50	3.27	0.00

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	3.27	0.00	28.40	3.50	3.27	0.00
25.85	3.50	3.27	0.00	28.45	3.50	3.27	0.00
25.90	3.50	3.27	0.00	28.50	3.50	3.27	0.00
25.95	3.50	3.27	0.00	28.55	3.50	3.27	0.00
26.00	3.50	3.27	0.00	28.60	3.50	3.27	0.00
26.05	3.50	3.27	0.00	28.65	3.50	3.27	0.00
26.10	3.50	3.27	0.00	28.70	3.50	3.27	0.00
26.15	3.50	3.27	0.00	28.75	3.50	3.27	0.00
26.20	3.50	3.27	0.00	28.80	3.50	3.27	0.00
26.25	3.50	3.27	0.00	28.85	3.50	3.27	0.00
26.30	3.50	3.27	0.00	28.90	3.50	3.27	0.00
26.35	3.50	3.27	0.00	28.95	3.50	3.27	0.00
26.40	3.50	3.27	0.00	29.00	3.50	3.27	0.00
26.45	3.50	3.27	0.00	29.05	3.50	3.27	0.00
26.50	3.50	3.27	0.00	29.10	3.50	3.27	0.00
26.55	3.50	3.27	0.00	29.15	3.50	3.27	0.00
26.60	3.50	3.27	0.00	29.20	3.50	3.27	0.00
26.65	3.50	3.27	0.00	29.25	3.50	3.27	0.00
26.70	3.50	3.27	0.00	29.30	3.50	3.27	0.00
26.75	3.50	3.27	0.00	29.35	3.50	3.27	0.00
26.80	3.50	3.27	0.00	29.40	3.50	3.27	0.00
26.85	3.50	3.27	0.00	29.45	3.50	3.27	0.00
26.90	3.50	3.27	0.00	29.50	3.50	3.27	0.00
26.95	3.50	3.27	0.00	29.55	3.50	3.27	0.00
27.00	3.50	3.27	0.00	29.60	3.50	3.27	0.00
27.05	3.50	3.27	0.00	29.65	3.50	3.27	0.00
27.10	3.50	3.27	0.00	29.70	3.50	3.27	0.00
27.15	3.50	3.27	0.00	29.75	3.50	3.27	0.00
27.20	3.50	3.27	0.00	29.80	3.50	3.27	0.00
27.25	3.50	3.27	0.00	29.85	3.50	3.27	0.00
27.30	3.50	3.27	0.00	29.90	3.50	3.27	0.00
27.35	3.50	3.27	0.00	29.95	3.50	3.27	0.00
27.40	3.50	3.27	0.00	30.00	3.50	3.27	0.00
27.45	3.50	3.27	0.00				
27.50	3.50	3.27	0.00				
27.55	3.50	3.27	0.00				
27.60	3.50	3.27	0.00				
27.65	3.50	3.27	0.00				
27.70	3.50	3.27	0.00				
27.75	3.50	3.27	0.00				
27.80	3.50	3.27	0.00				
27.85	3.50	3.27	0.00				
27.90	3.50	3.27	0.00				
27.95	3.50	3.27	0.00				
28.00	3.50	3.27	0.00				
28.05	3.50	3.27	0.00				
28.10	3.50	3.27	0.00				
28.15	3.50	3.27	0.00				
28.20	3.50	3.27	0.00				
28.25	3.50	3.27	0.00				
28.30	3.50	3.27	0.00				
28.35	3.50	3.27	0.00				

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Summary for Subcatchment Basin 1 Pervious: Basin 1 - Pervious

Runoff = 0.00 cfs @ 24.05 hrs, Volume= 0.002 af, Depth= 0.01"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 2.100	39	lawn, A soils
2.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.00	0.00	7.60	0.49	0.00	0.00
5.05	0.29	0.00	0.00	7.65	0.50	0.00	0.00
5.10	0.30	0.00	0.00	7.70	0.50	0.00	0.00
5.15	0.30	0.00	0.00	7.75	0.51	0.00	0.00
5.20	0.30	0.00	0.00	7.80	0.51	0.00	0.00
5.25	0.31	0.00	0.00	7.85	0.52	0.00	0.00
5.30	0.31	0.00	0.00	7.90	0.52	0.00	0.00
5.35	0.32	0.00	0.00	7.95	0.53	0.00	0.00
5.40	0.32	0.00	0.00	8.00	0.53	0.00	0.00
5.45	0.32	0.00	0.00	8.05	0.54	0.00	0.00
5.50	0.33	0.00	0.00	8.10	0.54	0.00	0.00
5.55	0.33	0.00	0.00	8.15	0.55	0.00	0.00
5.60	0.33	0.00	0.00	8.20	0.55	0.00	0.00
5.65	0.34	0.00	0.00	8.25	0.56	0.00	0.00
5.70	0.34	0.00	0.00	8.30	0.56	0.00	0.00
5.75	0.34	0.00	0.00	8.35	0.57	0.00	0.00
5.80	0.35	0.00	0.00	8.40	0.58	0.00	0.00
5.85	0.35	0.00	0.00	8.45	0.58	0.00	0.00
5.90	0.35	0.00	0.00	8.50	0.59	0.00	0.00
5.95	0.36	0.00	0.00	8.55	0.59	0.00	0.00
6.00	0.36	0.00	0.00	8.60	0.60	0.00	0.00
6.05	0.36	0.00	0.00	8.65	0.60	0.00	0.00
6.10	0.37	0.00	0.00	8.70	0.61	0.00	0.00
6.15	0.37	0.00	0.00	8.75	0.61	0.00	0.00
6.20	0.38	0.00	0.00	8.80	0.62	0.00	0.00
6.25	0.38	0.00	0.00	8.85	0.63	0.00	0.00
6.30	0.38	0.00	0.00	8.90	0.63	0.00	0.00
6.35	0.39	0.00	0.00	8.95	0.64	0.00	0.00
6.40	0.39	0.00	0.00	9.00	0.64	0.00	0.00
6.45	0.39	0.00	0.00	9.05	0.65	0.00	0.00
6.50	0.40	0.00	0.00	9.10	0.65	0.00	0.00
6.55	0.40	0.00	0.00	9.15	0.66	0.00	0.00
6.60	0.41	0.00	0.00	9.20	0.67	0.00	0.00
6.65	0.41	0.00	0.00	9.25	0.67	0.00	0.00
6.70	0.41	0.00	0.00	9.30	0.68	0.00	0.00
6.75	0.42	0.00	0.00	9.35	0.69	0.00	0.00
6.80	0.42	0.00	0.00	9.40	0.69	0.00	0.00
6.85	0.43	0.00	0.00	9.45	0.70	0.00	0.00
6.90	0.43	0.00	0.00	9.50	0.71	0.00	0.00
6.95	0.44	0.00	0.00	9.55	0.71	0.00	0.00
7.00	0.44	0.00	0.00	9.60	0.72	0.00	0.00
7.05	0.44	0.00	0.00	9.65	0.73	0.00	0.00
7.10	0.45	0.00	0.00	9.70	0.74	0.00	0.00
7.15	0.45	0.00	0.00	9.75	0.74	0.00	0.00
7.20	0.46	0.00	0.00	9.80	0.75	0.00	0.00
7.25	0.46	0.00	0.00	9.85	0.76	0.00	0.00
7.30	0.47	0.00	0.00	9.90	0.77	0.00	0.00
7.35	0.47	0.00	0.00	9.95	0.78	0.00	0.00
7.40	0.48	0.00	0.00	10.00	0.78	0.00	0.00
7.45	0.48	0.00	0.00	10.05	0.79	0.00	0.00
7.50	0.48	0.00	0.00	10.10	0.80	0.00	0.00
7.55	0.49	0.00	0.00	10.15	0.81	0.00	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.00	0.00	12.80	2.44	0.00	0.00
10.25	0.83	0.00	0.00	12.85	2.46	0.00	0.00
10.30	0.84	0.00	0.00	12.90	2.48	0.00	0.00
10.35	0.85	0.00	0.00	12.95	2.49	0.00	0.00
10.40	0.86	0.00	0.00	13.00	2.51	0.00	0.00
10.45	0.86	0.00	0.00	13.05	2.52	0.00	0.00
10.50	0.87	0.00	0.00	13.10	2.53	0.00	0.00
10.55	0.88	0.00	0.00	13.15	2.55	0.00	0.00
10.60	0.89	0.00	0.00	13.20	2.56	0.00	0.00
10.65	0.91	0.00	0.00	13.25	2.57	0.00	0.00
10.70	0.92	0.00	0.00	13.30	2.58	0.00	0.00
10.75	0.93	0.00	0.00	13.35	2.59	0.00	0.00
10.80	0.94	0.00	0.00	13.40	2.61	0.00	0.00
10.85	0.95	0.00	0.00	13.45	2.62	0.00	0.00
10.90	0.97	0.00	0.00	13.50	2.63	0.00	0.00
10.95	0.98	0.00	0.00	13.55	2.64	0.00	0.00
11.00	0.99	0.00	0.00	13.60	2.64	0.00	0.00
11.05	1.01	0.00	0.00	13.65	2.65	0.00	0.00
11.10	1.02	0.00	0.00	13.70	2.66	0.00	0.00
11.15	1.04	0.00	0.00	13.75	2.67	0.00	0.00
11.20	1.06	0.00	0.00	13.80	2.68	0.00	0.00
11.25	1.08	0.00	0.00	13.85	2.69	0.00	0.00
11.30	1.09	0.00	0.00	13.90	2.70	0.00	0.00
11.35	1.11	0.00	0.00	13.95	2.71	0.00	0.00
11.40	1.13	0.00	0.00	14.00	2.72	0.00	0.00
11.45	1.15	0.00	0.00	14.05	2.72	0.00	0.00
11.50	1.17	0.00	0.00	14.10	2.73	0.00	0.00
11.55	1.20	0.00	0.00	14.15	2.74	0.00	0.00
11.60	1.23	0.00	0.00	14.20	2.75	0.00	0.00
11.65	1.25	0.00	0.00	14.25	2.76	0.00	0.00
11.70	1.28	0.00	0.00	14.30	2.76	0.00	0.00
11.75	1.32	0.00	0.00	14.35	2.77	0.00	0.00
11.80	1.36	0.00	0.00	14.40	2.78	0.00	0.00
11.85	1.42	0.00	0.00	14.45	2.79	0.00	0.00
11.90	1.48	0.00	0.00	14.50	2.79	0.00	0.00
11.95	1.58	0.00	0.00	14.55	2.80	0.00	0.00
12.00	1.68	0.00	0.00	14.60	2.81	0.00	0.00
12.05	1.85	0.00	0.00	14.65	2.81	0.00	0.00
12.10	2.02	0.00	0.00	14.70	2.82	0.00	0.00
12.15	2.08	0.00	0.00	14.75	2.83	0.00	0.00
12.20	2.14	0.00	0.00	14.80	2.83	0.00	0.00
12.25	2.18	0.00	0.00	14.85	2.84	0.00	0.00
12.30	2.22	0.00	0.00	14.90	2.85	0.00	0.00
12.35	2.25	0.00	0.00	14.95	2.85	0.00	0.00
12.40	2.27	0.00	0.00	15.00	2.86	0.00	0.00
12.45	2.30	0.00	0.00	15.05	2.86	0.00	0.00
12.50	2.33	0.00	0.00	15.10	2.87	0.00	0.00
12.55	2.35	0.00	0.00	15.15	2.87	0.00	0.00
12.60	2.37	0.00	0.00	15.20	2.88	0.00	0.00
12.65	2.39	0.00	0.00	15.25	2.89	0.00	0.00
12.70	2.41	0.00	0.00	15.30	2.89	0.00	0.00
12.75	2.42	0.00	0.00	15.35	2.90	0.00	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	0.00	0.00	18.00	3.14	0.00	0.00
15.45	2.91	0.00	0.00	18.05	3.14	0.00	0.00
15.50	2.91	0.00	0.00	18.10	3.15	0.00	0.00
15.55	2.92	0.00	0.00	18.15	3.15	0.00	0.00
15.60	2.92	0.00	0.00	18.20	3.15	0.00	0.00
15.65	2.93	0.00	0.00	18.25	3.16	0.00	0.00
15.70	2.94	0.00	0.00	18.30	3.16	0.00	0.00
15.75	2.94	0.00	0.00	18.35	3.16	0.00	0.00
15.80	2.95	0.00	0.00	18.40	3.17	0.00	0.00
15.85	2.95	0.00	0.00	18.45	3.17	0.00	0.00
15.90	2.96	0.00	0.00	18.50	3.17	0.00	0.00
15.95	2.96	0.00	0.00	18.55	3.18	0.00	0.00
16.00	2.97	0.00	0.00	18.60	3.18	0.00	0.00
16.05	2.97	0.00	0.00	18.65	3.18	0.00	0.00
16.10	2.98	0.00	0.00	18.70	3.19	0.00	0.00
16.15	2.98	0.00	0.00	18.75	3.19	0.00	0.00
16.20	2.99	0.00	0.00	18.80	3.20	0.00	0.00
16.25	2.99	0.00	0.00	18.85	3.20	0.00	0.00
16.30	3.00	0.00	0.00	18.90	3.20	0.00	0.00
16.35	3.00	0.00	0.00	18.95	3.21	0.00	0.00
16.40	3.01	0.00	0.00	19.00	3.21	0.00	0.00
16.45	3.01	0.00	0.00	19.05	3.21	0.00	0.00
16.50	3.02	0.00	0.00	19.10	3.22	0.00	0.00
16.55	3.02	0.00	0.00	19.15	3.22	0.00	0.00
16.60	3.02	0.00	0.00	19.20	3.22	0.00	0.00
16.65	3.03	0.00	0.00	19.25	3.23	0.00	0.00
16.70	3.03	0.00	0.00	19.30	3.23	0.00	0.00
16.75	3.04	0.00	0.00	19.35	3.23	0.00	0.00
16.80	3.04	0.00	0.00	19.40	3.24	0.00	0.00
16.85	3.05	0.00	0.00	19.45	3.24	0.00	0.00
16.90	3.05	0.00	0.00	19.50	3.24	0.00	0.00
16.95	3.06	0.00	0.00	19.55	3.25	0.00	0.00
17.00	3.06	0.00	0.00	19.60	3.25	0.00	0.00
17.05	3.06	0.00	0.00	19.65	3.25	0.00	0.00
17.10	3.07	0.00	0.00	19.70	3.26	0.00	0.00
17.15	3.07	0.00	0.00	19.75	3.26	0.00	0.00
17.20	3.08	0.00	0.00	19.80	3.26	0.00	0.00
17.25	3.08	0.00	0.00	19.85	3.26	0.00	0.00
17.30	3.09	0.00	0.00	19.90	3.27	0.00	0.00
17.35	3.09	0.00	0.00	19.95	3.27	0.00	0.00
17.40	3.09	0.00	0.00	20.00	3.27	0.00	0.00
17.45	3.10	0.00	0.00	20.05	3.28	0.00	0.00
17.50	3.10	0.00	0.00	20.10	3.28	0.00	0.00
17.55	3.11	0.00	0.00	20.15	3.28	0.00	0.00
17.60	3.11	0.00	0.00	20.20	3.29	0.00	0.00
17.65	3.11	0.00	0.00	20.25	3.29	0.00	0.00
17.70	3.12	0.00	0.00	20.30	3.29	0.00	0.00
17.75	3.12	0.00	0.00	20.35	3.30	0.00	0.00
17.80	3.12	0.00	0.00	20.40	3.30	0.00	0.00
17.85	3.13	0.00	0.00	20.45	3.30	0.00	0.00
17.90	3.13	0.00	0.00	20.50	3.31	0.00	0.00
17.95	3.14	0.00	0.00	20.55	3.31	0.00	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	0.00	0.00	23.20	3.46	0.01	0.00
20.65	3.32	0.00	0.00	23.25	3.46	0.01	0.00
20.70	3.32	0.00	0.00	23.30	3.46	0.01	0.00
20.75	3.32	0.00	0.00	23.35	3.47	0.01	0.00
20.80	3.32	0.00	0.00	23.40	3.47	0.01	0.00
20.85	3.33	0.00	0.00	23.45	3.47	0.01	0.00
20.90	3.33	0.00	0.00	23.50	3.47	0.01	0.00
20.95	3.33	0.00	0.00	23.55	3.48	0.01	0.00
21.00	3.34	0.00	0.00	23.60	3.48	0.01	0.00
21.05	3.34	0.00	0.00	23.65	3.48	0.01	0.00
21.10	3.34	0.00	0.00	23.70	3.48	0.01	0.00
21.15	3.35	0.00	0.00	23.75	3.49	0.01	0.00
21.20	3.35	0.00	0.00	23.80	3.49	0.01	0.00
21.25	3.35	0.00	0.00	23.85	3.49	0.01	0.00
21.30	3.35	0.00	0.00	23.90	3.49	0.01	0.00
21.35	3.36	0.00	0.00	23.95	3.50	0.01	0.00
21.40	3.36	0.00	0.00	24.00	3.50	0.01	0.00
21.45	3.36	0.00	0.00	24.05	3.50	0.01	0.00
21.50	3.37	0.00	0.00	24.10	3.50	0.01	0.00
21.55	3.37	0.00	0.00	24.15	3.50	0.01	0.00
21.60	3.37	0.00	0.00	24.20	3.50	0.01	0.00
21.65	3.37	0.00	0.00	24.25	3.50	0.01	0.00
21.70	3.38	0.00	0.00	24.30	3.50	0.01	0.00
21.75	3.38	0.00	0.00	24.35	3.50	0.01	0.00
21.80	3.38	0.00	0.00	24.40	3.50	0.01	0.00
21.85	3.39	0.00	0.00	24.45	3.50	0.01	0.00
21.90	3.39	0.00	0.00	24.50	3.50	0.01	0.00
21.95	3.39	0.00	0.00	24.55	3.50	0.01	0.00
22.00	3.39	0.00	0.00	24.60	3.50	0.01	0.00
22.05	3.40	0.00	0.00	24.65	3.50	0.01	0.00
22.10	3.40	0.00	0.00	24.70	3.50	0.01	0.00
22.15	3.40	0.00	0.00	24.75	3.50	0.01	0.00
22.20	3.41	0.00	0.00	24.80	3.50	0.01	0.00
22.25	3.41	0.00	0.00	24.85	3.50	0.01	0.00
22.30	3.41	0.01	0.00	24.90	3.50	0.01	0.00
22.35	3.41	0.01	0.00	24.95	3.50	0.01	0.00
22.40	3.42	0.01	0.00	25.00	3.50	0.01	0.00
22.45	3.42	0.01	0.00	25.05	3.50	0.01	0.00
22.50	3.42	0.01	0.00	25.10	3.50	0.01	0.00
22.55	3.42	0.01	0.00	25.15	3.50	0.01	0.00
22.60	3.43	0.01	0.00	25.20	3.50	0.01	0.00
22.65	3.43	0.01	0.00	25.25	3.50	0.01	0.00
22.70	3.43	0.01	0.00	25.30	3.50	0.01	0.00
22.75	3.44	0.01	0.00	25.35	3.50	0.01	0.00
22.80	3.44	0.01	0.00	25.40	3.50	0.01	0.00
22.85	3.44	0.01	0.00	25.45	3.50	0.01	0.00
22.90	3.44	0.01	0.00	25.50	3.50	0.01	0.00
22.95	3.45	0.01	0.00	25.55	3.50	0.01	0.00
23.00	3.45	0.01	0.00	25.60	3.50	0.01	0.00
23.05	3.45	0.01	0.00	25.65	3.50	0.01	0.00
23.10	3.45	0.01	0.00	25.70	3.50	0.01	0.00
23.15	3.46	0.01	0.00	25.75	3.50	0.01	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	0.01	0.00	28.40	3.50	0.01	0.00
25.85	3.50	0.01	0.00	28.45	3.50	0.01	0.00
25.90	3.50	0.01	0.00	28.50	3.50	0.01	0.00
25.95	3.50	0.01	0.00	28.55	3.50	0.01	0.00
26.00	3.50	0.01	0.00	28.60	3.50	0.01	0.00
26.05	3.50	0.01	0.00	28.65	3.50	0.01	0.00
26.10	3.50	0.01	0.00	28.70	3.50	0.01	0.00
26.15	3.50	0.01	0.00	28.75	3.50	0.01	0.00
26.20	3.50	0.01	0.00	28.80	3.50	0.01	0.00
26.25	3.50	0.01	0.00	28.85	3.50	0.01	0.00
26.30	3.50	0.01	0.00	28.90	3.50	0.01	0.00
26.35	3.50	0.01	0.00	28.95	3.50	0.01	0.00
26.40	3.50	0.01	0.00	29.00	3.50	0.01	0.00
26.45	3.50	0.01	0.00	29.05	3.50	0.01	0.00
26.50	3.50	0.01	0.00	29.10	3.50	0.01	0.00
26.55	3.50	0.01	0.00	29.15	3.50	0.01	0.00
26.60	3.50	0.01	0.00	29.20	3.50	0.01	0.00
26.65	3.50	0.01	0.00	29.25	3.50	0.01	0.00
26.70	3.50	0.01	0.00	29.30	3.50	0.01	0.00
26.75	3.50	0.01	0.00	29.35	3.50	0.01	0.00
26.80	3.50	0.01	0.00	29.40	3.50	0.01	0.00
26.85	3.50	0.01	0.00	29.45	3.50	0.01	0.00
26.90	3.50	0.01	0.00	29.50	3.50	0.01	0.00
26.95	3.50	0.01	0.00	29.55	3.50	0.01	0.00
27.00	3.50	0.01	0.00	29.60	3.50	0.01	0.00
27.05	3.50	0.01	0.00	29.65	3.50	0.01	0.00
27.10	3.50	0.01	0.00	29.70	3.50	0.01	0.00
27.15	3.50	0.01	0.00	29.75	3.50	0.01	0.00
27.20	3.50	0.01	0.00	29.80	3.50	0.01	0.00
27.25	3.50	0.01	0.00	29.85	3.50	0.01	0.00
27.30	3.50	0.01	0.00	29.90	3.50	0.01	0.00
27.35	3.50	0.01	0.00	29.95	3.50	0.01	0.00
27.40	3.50	0.01	0.00	30.00	3.50	0.01	0.00
27.45	3.50	0.01	0.00				
27.50	3.50	0.01	0.00				
27.55	3.50	0.01	0.00				
27.60	3.50	0.01	0.00				
27.65	3.50	0.01	0.00				
27.70	3.50	0.01	0.00				
27.75	3.50	0.01	0.00				
27.80	3.50	0.01	0.00				
27.85	3.50	0.01	0.00				
27.90	3.50	0.01	0.00				
27.95	3.50	0.01	0.00				
28.00	3.50	0.01	0.00				
28.05	3.50	0.01	0.00				
28.10	3.50	0.01	0.00				
28.15	3.50	0.01	0.00				
28.20	3.50	0.01	0.00				
28.25	3.50	0.01	0.00				
28.30	3.50	0.01	0.00				
28.35	3.50	0.01	0.00				

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Summary for Subcatchment Basin 1 Roof: Basin 1 Roof

Runoff = 1.01 cfs @ 12.19 hrs, Volume= 0.131 af, Depth> 3.14"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D 2 year Rainfall=3.50"

Area (ac)	CN	Description
* 0.500	98	Roof
0.500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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NRCC 24-hr D 2 year Rainfall=3.50"

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.14	0.03	7.60	0.49	0.31	0.04
5.05	0.29	0.14	0.03	7.65	0.50	0.32	0.04
5.10	0.30	0.14	0.03	7.70	0.50	0.32	0.04
5.15	0.30	0.15	0.03	7.75	0.51	0.33	0.04
5.20	0.30	0.15	0.03	7.80	0.51	0.33	0.04
5.25	0.31	0.15	0.03	7.85	0.52	0.33	0.04
5.30	0.31	0.15	0.03	7.90	0.52	0.34	0.04
5.35	0.32	0.16	0.03	7.95	0.53	0.34	0.04
5.40	0.32	0.16	0.03	8.00	0.53	0.35	0.04
5.45	0.32	0.16	0.03	8.05	0.54	0.35	0.05
5.50	0.33	0.17	0.03	8.10	0.54	0.36	0.05
5.55	0.33	0.17	0.03	8.15	0.55	0.36	0.05
5.60	0.33	0.17	0.03	8.20	0.55	0.37	0.05
5.65	0.34	0.17	0.03	8.25	0.56	0.37	0.05
5.70	0.34	0.18	0.03	8.30	0.56	0.38	0.05
5.75	0.34	0.18	0.03	8.35	0.57	0.38	0.05
5.80	0.35	0.18	0.03	8.40	0.58	0.39	0.05
5.85	0.35	0.19	0.03	8.45	0.58	0.39	0.05
5.90	0.35	0.19	0.03	8.50	0.59	0.40	0.05
5.95	0.36	0.19	0.03	8.55	0.59	0.40	0.05
6.00	0.36	0.20	0.03	8.60	0.60	0.41	0.05
6.05	0.36	0.20	0.03	8.65	0.60	0.41	0.05
6.10	0.37	0.20	0.03	8.70	0.61	0.42	0.05
6.15	0.37	0.20	0.03	8.75	0.61	0.42	0.05
6.20	0.38	0.21	0.03	8.80	0.62	0.43	0.05
6.25	0.38	0.21	0.03	8.85	0.63	0.43	0.05
6.30	0.38	0.21	0.03	8.90	0.63	0.44	0.05
6.35	0.39	0.22	0.03	8.95	0.64	0.44	0.05
6.40	0.39	0.22	0.03	9.00	0.64	0.45	0.05
6.45	0.39	0.22	0.03	9.05	0.65	0.45	0.05
6.50	0.40	0.23	0.03	9.10	0.65	0.46	0.05
6.55	0.40	0.23	0.03	9.15	0.66	0.47	0.05
6.60	0.41	0.23	0.03	9.20	0.67	0.47	0.06
6.65	0.41	0.24	0.03	9.25	0.67	0.48	0.06
6.70	0.41	0.24	0.03	9.30	0.68	0.48	0.06
6.75	0.42	0.25	0.03	9.35	0.69	0.49	0.06
6.80	0.42	0.25	0.03	9.40	0.69	0.50	0.06
6.85	0.43	0.25	0.04	9.45	0.70	0.50	0.06
6.90	0.43	0.26	0.04	9.50	0.71	0.51	0.06
6.95	0.44	0.26	0.04	9.55	0.71	0.52	0.06
7.00	0.44	0.26	0.04	9.60	0.72	0.52	0.06
7.05	0.44	0.27	0.04	9.65	0.73	0.53	0.07
7.10	0.45	0.27	0.04	9.70	0.74	0.54	0.07
7.15	0.45	0.28	0.04	9.75	0.74	0.55	0.07
7.20	0.46	0.28	0.04	9.80	0.75	0.55	0.07
7.25	0.46	0.28	0.04	9.85	0.76	0.56	0.07
7.30	0.47	0.29	0.04	9.90	0.77	0.57	0.07
7.35	0.47	0.29	0.04	9.95	0.78	0.58	0.07
7.40	0.48	0.30	0.04	10.00	0.78	0.58	0.07
7.45	0.48	0.30	0.04	10.05	0.79	0.59	0.08
7.50	0.48	0.30	0.04	10.10	0.80	0.60	0.08
7.55	0.49	0.31	0.04	10.15	0.81	0.61	0.08

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.62	0.08	12.80	2.44	2.21	0.26
10.25	0.83	0.63	0.08	12.85	2.46	2.23	0.24
10.30	0.84	0.63	0.08	12.90	2.48	2.25	0.22
10.35	0.85	0.64	0.08	12.95	2.49	2.26	0.21
10.40	0.86	0.65	0.08	13.00	2.51	2.28	0.19
10.45	0.86	0.66	0.09	13.05	2.52	2.29	0.18
10.50	0.87	0.67	0.09	13.10	2.53	2.30	0.17
10.55	0.88	0.68	0.09	13.15	2.55	2.32	0.16
10.60	0.89	0.69	0.09	13.20	2.56	2.33	0.15
10.65	0.91	0.70	0.09	13.25	2.57	2.34	0.15
10.70	0.92	0.71	0.09	13.30	2.58	2.35	0.14
10.75	0.93	0.72	0.10	13.35	2.59	2.36	0.14
10.80	0.94	0.73	0.10	13.40	2.61	2.38	0.13
10.85	0.95	0.75	0.11	13.45	2.62	2.39	0.13
10.90	0.97	0.76	0.11	13.50	2.63	2.40	0.12
10.95	0.98	0.77	0.11	13.55	2.64	2.41	0.12
11.00	0.99	0.79	0.12	13.60	2.64	2.41	0.11
11.05	1.01	0.80	0.12	13.65	2.65	2.42	0.11
11.10	1.02	0.81	0.13	13.70	2.66	2.43	0.10
11.15	1.04	0.83	0.13	13.75	2.67	2.44	0.10
11.20	1.06	0.85	0.14	13.80	2.68	2.45	0.10
11.25	1.08	0.86	0.14	13.85	2.69	2.46	0.10
11.30	1.09	0.88	0.15	13.90	2.70	2.47	0.09
11.35	1.11	0.90	0.15	13.95	2.71	2.48	0.09
11.40	1.13	0.92	0.16	14.00	2.72	2.48	0.09
11.45	1.15	0.94	0.17	14.05	2.72	2.49	0.09
11.50	1.17	0.96	0.17	14.10	2.73	2.50	0.09
11.55	1.20	0.99	0.18	14.15	2.74	2.51	0.09
11.60	1.23	1.01	0.19	14.20	2.75	2.52	0.09
11.65	1.25	1.04	0.21	14.25	2.76	2.52	0.08
11.70	1.28	1.07	0.23	14.30	2.76	2.53	0.08
11.75	1.32	1.11	0.24	14.35	2.77	2.54	0.08
11.80	1.36	1.14	0.26	14.40	2.78	2.55	0.08
11.85	1.42	1.20	0.30	14.45	2.79	2.55	0.08
11.90	1.48	1.26	0.34	14.50	2.79	2.56	0.08
11.95	1.58	1.35	0.40	14.55	2.80	2.57	0.08
12.00	1.68	1.45	0.49	14.60	2.81	2.58	0.08
12.05	1.85	1.63	0.62	14.65	2.81	2.58	0.07
12.10	2.02	1.80	0.80	14.70	2.82	2.59	0.07
12.15	2.08	1.86	0.98	14.75	2.83	2.60	0.07
12.20	2.14	1.91	1.01	14.80	2.83	2.60	0.07
12.25	2.18	1.95	0.93	14.85	2.84	2.61	0.07
12.30	2.22	1.99	0.82	14.90	2.85	2.61	0.07
12.35	2.25	2.02	0.73	14.95	2.85	2.62	0.07
12.40	2.27	2.05	0.64	15.00	2.86	2.63	0.07
12.45	2.30	2.07	0.56	15.05	2.86	2.63	0.06
12.50	2.33	2.10	0.50	15.10	2.87	2.64	0.06
12.55	2.35	2.12	0.45	15.15	2.87	2.64	0.06
12.60	2.37	2.14	0.40	15.20	2.88	2.65	0.06
12.65	2.39	2.16	0.35	15.25	2.89	2.65	0.06
12.70	2.41	2.18	0.31	15.30	2.89	2.66	0.06
12.75	2.42	2.20	0.28	15.35	2.90	2.67	0.06

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	2.67	0.06	18.00	3.14	2.91	0.04
15.45	2.91	2.68	0.06	18.05	3.14	2.91	0.04
15.50	2.91	2.68	0.06	18.10	3.15	2.91	0.04
15.55	2.92	2.69	0.06	18.15	3.15	2.92	0.04
15.60	2.92	2.69	0.06	18.20	3.15	2.92	0.04
15.65	2.93	2.70	0.06	18.25	3.16	2.92	0.04
15.70	2.94	2.70	0.06	18.30	3.16	2.93	0.04
15.75	2.94	2.71	0.05	18.35	3.16	2.93	0.04
15.80	2.95	2.71	0.05	18.40	3.17	2.94	0.04
15.85	2.95	2.72	0.05	18.45	3.17	2.94	0.04
15.90	2.96	2.72	0.05	18.50	3.17	2.94	0.04
15.95	2.96	2.73	0.05	18.55	3.18	2.95	0.04
16.00	2.97	2.73	0.05	18.60	3.18	2.95	0.04
16.05	2.97	2.74	0.05	18.65	3.18	2.95	0.04
16.10	2.98	2.74	0.05	18.70	3.19	2.96	0.03
16.15	2.98	2.75	0.05	18.75	3.19	2.96	0.03
16.20	2.99	2.75	0.05	18.80	3.20	2.96	0.03
16.25	2.99	2.76	0.05	18.85	3.20	2.97	0.03
16.30	3.00	2.76	0.05	18.90	3.20	2.97	0.03
16.35	3.00	2.77	0.05	18.95	3.21	2.97	0.03
16.40	3.01	2.77	0.05	19.00	3.21	2.98	0.03
16.45	3.01	2.78	0.05	19.05	3.21	2.98	0.03
16.50	3.02	2.78	0.05	19.10	3.22	2.98	0.03
16.55	3.02	2.79	0.05	19.15	3.22	2.99	0.03
16.60	3.02	2.79	0.05	19.20	3.22	2.99	0.03
16.65	3.03	2.80	0.05	19.25	3.23	2.99	0.03
16.70	3.03	2.80	0.05	19.30	3.23	3.00	0.03
16.75	3.04	2.81	0.05	19.35	3.23	3.00	0.03
16.80	3.04	2.81	0.05	19.40	3.24	3.00	0.03
16.85	3.05	2.82	0.05	19.45	3.24	3.01	0.03
16.90	3.05	2.82	0.05	19.50	3.24	3.01	0.03
16.95	3.06	2.82	0.05	19.55	3.25	3.01	0.03
17.00	3.06	2.83	0.05	19.60	3.25	3.02	0.03
17.05	3.06	2.83	0.04	19.65	3.25	3.02	0.03
17.10	3.07	2.84	0.04	19.70	3.26	3.02	0.03
17.15	3.07	2.84	0.04	19.75	3.26	3.03	0.03
17.20	3.08	2.85	0.04	19.80	3.26	3.03	0.03
17.25	3.08	2.85	0.04	19.85	3.26	3.03	0.03
17.30	3.09	2.85	0.04	19.90	3.27	3.04	0.03
17.35	3.09	2.86	0.04	19.95	3.27	3.04	0.03
17.40	3.09	2.86	0.04	20.00	3.27	3.04	0.03
17.45	3.10	2.87	0.04	20.05	3.28	3.04	0.03
17.50	3.10	2.87	0.04	20.10	3.28	3.05	0.03
17.55	3.11	2.87	0.04	20.15	3.28	3.05	0.03
17.60	3.11	2.88	0.04	20.20	3.29	3.05	0.03
17.65	3.11	2.88	0.04	20.25	3.29	3.06	0.03
17.70	3.12	2.89	0.04	20.30	3.29	3.06	0.03
17.75	3.12	2.89	0.04	20.35	3.30	3.06	0.03
17.80	3.12	2.89	0.04	20.40	3.30	3.07	0.03
17.85	3.13	2.90	0.04	20.45	3.30	3.07	0.03
17.90	3.13	2.90	0.04	20.50	3.31	3.07	0.03
17.95	3.14	2.90	0.04	20.55	3.31	3.08	0.03

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	3.08	0.03	23.20	3.46	3.23	0.03
20.65	3.32	3.08	0.03	23.25	3.46	3.23	0.03
20.70	3.32	3.09	0.03	23.30	3.46	3.23	0.03
20.75	3.32	3.09	0.03	23.35	3.47	3.23	0.03
20.80	3.32	3.09	0.03	23.40	3.47	3.24	0.03
20.85	3.33	3.09	0.03	23.45	3.47	3.24	0.03
20.90	3.33	3.10	0.03	23.50	3.47	3.24	0.03
20.95	3.33	3.10	0.03	23.55	3.48	3.24	0.03
21.00	3.34	3.10	0.03	23.60	3.48	3.25	0.03
21.05	3.34	3.11	0.03	23.65	3.48	3.25	0.03
21.10	3.34	3.11	0.03	23.70	3.48	3.25	0.03
21.15	3.35	3.11	0.03	23.75	3.49	3.25	0.03
21.20	3.35	3.12	0.03	23.80	3.49	3.26	0.03
21.25	3.35	3.12	0.03	23.85	3.49	3.26	0.03
21.30	3.35	3.12	0.03	23.90	3.49	3.26	0.03
21.35	3.36	3.12	0.03	23.95	3.50	3.26	0.03
21.40	3.36	3.13	0.03	24.00	3.50	3.27	0.03
21.45	3.36	3.13	0.03	24.05	3.50	3.27	0.02
21.50	3.37	3.13	0.03	24.10	3.50	3.27	0.02
21.55	3.37	3.14	0.03	24.15	3.50	3.27	0.02
21.60	3.37	3.14	0.03	24.20	3.50	3.27	0.01
21.65	3.37	3.14	0.03	24.25	3.50	3.27	0.01
21.70	3.38	3.14	0.03	24.30	3.50	3.27	0.01
21.75	3.38	3.15	0.03	24.35	3.50	3.27	0.01
21.80	3.38	3.15	0.03	24.40	3.50	3.27	0.00
21.85	3.39	3.15	0.03	24.45	3.50	3.27	0.00
21.90	3.39	3.16	0.03	24.50	3.50	3.27	0.00
21.95	3.39	3.16	0.03	24.55	3.50	3.27	0.00
22.00	3.39	3.16	0.03	24.60	3.50	3.27	0.00
22.05	3.40	3.16	0.03	24.65	3.50	3.27	0.00
22.10	3.40	3.17	0.03	24.70	3.50	3.27	0.00
22.15	3.40	3.17	0.03	24.75	3.50	3.27	0.00
22.20	3.41	3.17	0.03	24.80	3.50	3.27	0.00
22.25	3.41	3.18	0.03	24.85	3.50	3.27	0.00
22.30	3.41	3.18	0.03	24.90	3.50	3.27	0.00
22.35	3.41	3.18	0.03	24.95	3.50	3.27	0.00
22.40	3.42	3.18	0.03	25.00	3.50	3.27	0.00
22.45	3.42	3.19	0.03	25.05	3.50	3.27	0.00
22.50	3.42	3.19	0.03	25.10	3.50	3.27	0.00
22.55	3.42	3.19	0.03	25.15	3.50	3.27	0.00
22.60	3.43	3.19	0.03	25.20	3.50	3.27	0.00
22.65	3.43	3.20	0.03	25.25	3.50	3.27	0.00
22.70	3.43	3.20	0.03	25.30	3.50	3.27	0.00
22.75	3.44	3.20	0.03	25.35	3.50	3.27	0.00
22.80	3.44	3.21	0.03	25.40	3.50	3.27	0.00
22.85	3.44	3.21	0.03	25.45	3.50	3.27	0.00
22.90	3.44	3.21	0.03	25.50	3.50	3.27	0.00
22.95	3.45	3.21	0.03	25.55	3.50	3.27	0.00
23.00	3.45	3.22	0.03	25.60	3.50	3.27	0.00
23.05	3.45	3.22	0.03	25.65	3.50	3.27	0.00
23.10	3.45	3.22	0.03	25.70	3.50	3.27	0.00
23.15	3.46	3.22	0.03	25.75	3.50	3.27	0.00

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	3.27	0.00	28.40	3.50	3.27	0.00
25.85	3.50	3.27	0.00	28.45	3.50	3.27	0.00
25.90	3.50	3.27	0.00	28.50	3.50	3.27	0.00
25.95	3.50	3.27	0.00	28.55	3.50	3.27	0.00
26.00	3.50	3.27	0.00	28.60	3.50	3.27	0.00
26.05	3.50	3.27	0.00	28.65	3.50	3.27	0.00
26.10	3.50	3.27	0.00	28.70	3.50	3.27	0.00
26.15	3.50	3.27	0.00	28.75	3.50	3.27	0.00
26.20	3.50	3.27	0.00	28.80	3.50	3.27	0.00
26.25	3.50	3.27	0.00	28.85	3.50	3.27	0.00
26.30	3.50	3.27	0.00	28.90	3.50	3.27	0.00
26.35	3.50	3.27	0.00	28.95	3.50	3.27	0.00
26.40	3.50	3.27	0.00	29.00	3.50	3.27	0.00
26.45	3.50	3.27	0.00	29.05	3.50	3.27	0.00
26.50	3.50	3.27	0.00	29.10	3.50	3.27	0.00
26.55	3.50	3.27	0.00	29.15	3.50	3.27	0.00
26.60	3.50	3.27	0.00	29.20	3.50	3.27	0.00
26.65	3.50	3.27	0.00	29.25	3.50	3.27	0.00
26.70	3.50	3.27	0.00	29.30	3.50	3.27	0.00
26.75	3.50	3.27	0.00	29.35	3.50	3.27	0.00
26.80	3.50	3.27	0.00	29.40	3.50	3.27	0.00
26.85	3.50	3.27	0.00	29.45	3.50	3.27	0.00
26.90	3.50	3.27	0.00	29.50	3.50	3.27	0.00
26.95	3.50	3.27	0.00	29.55	3.50	3.27	0.00
27.00	3.50	3.27	0.00	29.60	3.50	3.27	0.00
27.05	3.50	3.27	0.00	29.65	3.50	3.27	0.00
27.10	3.50	3.27	0.00	29.70	3.50	3.27	0.00
27.15	3.50	3.27	0.00	29.75	3.50	3.27	0.00
27.20	3.50	3.27	0.00	29.80	3.50	3.27	0.00
27.25	3.50	3.27	0.00	29.85	3.50	3.27	0.00
27.30	3.50	3.27	0.00	29.90	3.50	3.27	0.00
27.35	3.50	3.27	0.00	29.95	3.50	3.27	0.00
27.40	3.50	3.27	0.00	30.00	3.50	3.27	0.00
27.45	3.50	3.27	0.00				
27.50	3.50	3.27	0.00				
27.55	3.50	3.27	0.00				
27.60	3.50	3.27	0.00				
27.65	3.50	3.27	0.00				
27.70	3.50	3.27	0.00				
27.75	3.50	3.27	0.00				
27.80	3.50	3.27	0.00				
27.85	3.50	3.27	0.00				
27.90	3.50	3.27	0.00				
27.95	3.50	3.27	0.00				
28.00	3.50	3.27	0.00				
28.05	3.50	3.27	0.00				
28.10	3.50	3.27	0.00				
28.15	3.50	3.27	0.00				
28.20	3.50	3.27	0.00				
28.25	3.50	3.27	0.00				
28.30	3.50	3.27	0.00				
28.35	3.50	3.27	0.00				

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Summary for Subcatchment Basin 2 Impervious: Basin 2 Imp

Runoff = 1.62 cfs @ 12.19 hrs, Volume= 0.210 af, Depth> 3.14"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.500	98	Pavement & Sidewalk
* 0.300	98	Driveways
0.800	98	Weighted Average
0.800		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.14	0.04	7.60	0.49	0.31	0.07
5.05	0.29	0.14	0.04	7.65	0.50	0.32	0.07
5.10	0.30	0.14	0.04	7.70	0.50	0.32	0.07
5.15	0.30	0.15	0.04	7.75	0.51	0.33	0.07
5.20	0.30	0.15	0.04	7.80	0.51	0.33	0.07
5.25	0.31	0.15	0.04	7.85	0.52	0.33	0.07
5.30	0.31	0.15	0.04	7.90	0.52	0.34	0.07
5.35	0.32	0.16	0.04	7.95	0.53	0.34	0.07
5.40	0.32	0.16	0.04	8.00	0.53	0.35	0.07
5.45	0.32	0.16	0.04	8.05	0.54	0.35	0.07
5.50	0.33	0.17	0.04	8.10	0.54	0.36	0.07
5.55	0.33	0.17	0.05	8.15	0.55	0.36	0.07
5.60	0.33	0.17	0.05	8.20	0.55	0.37	0.07
5.65	0.34	0.17	0.05	8.25	0.56	0.37	0.07
5.70	0.34	0.18	0.05	8.30	0.56	0.38	0.08
5.75	0.34	0.18	0.05	8.35	0.57	0.38	0.08
5.80	0.35	0.18	0.05	8.40	0.58	0.39	0.08
5.85	0.35	0.19	0.05	8.45	0.58	0.39	0.08
5.90	0.35	0.19	0.05	8.50	0.59	0.40	0.08
5.95	0.36	0.19	0.05	8.55	0.59	0.40	0.08
6.00	0.36	0.20	0.05	8.60	0.60	0.41	0.08
6.05	0.36	0.20	0.05	8.65	0.60	0.41	0.08
6.10	0.37	0.20	0.05	8.70	0.61	0.42	0.08
6.15	0.37	0.20	0.05	8.75	0.61	0.42	0.08
6.20	0.38	0.21	0.05	8.80	0.62	0.43	0.08
6.25	0.38	0.21	0.05	8.85	0.63	0.43	0.08
6.30	0.38	0.21	0.05	8.90	0.63	0.44	0.08
6.35	0.39	0.22	0.05	8.95	0.64	0.44	0.08
6.40	0.39	0.22	0.05	9.00	0.64	0.45	0.08
6.45	0.39	0.22	0.05	9.05	0.65	0.45	0.09
6.50	0.40	0.23	0.05	9.10	0.65	0.46	0.09
6.55	0.40	0.23	0.05	9.15	0.66	0.47	0.09
6.60	0.41	0.23	0.05	9.20	0.67	0.47	0.09
6.65	0.41	0.24	0.05	9.25	0.67	0.48	0.09
6.70	0.41	0.24	0.05	9.30	0.68	0.48	0.09
6.75	0.42	0.25	0.06	9.35	0.69	0.49	0.09
6.80	0.42	0.25	0.06	9.40	0.69	0.50	0.10
6.85	0.43	0.25	0.06	9.45	0.70	0.50	0.10
6.90	0.43	0.26	0.06	9.50	0.71	0.51	0.10
6.95	0.44	0.26	0.06	9.55	0.71	0.52	0.10
7.00	0.44	0.26	0.06	9.60	0.72	0.52	0.10
7.05	0.44	0.27	0.06	9.65	0.73	0.53	0.10
7.10	0.45	0.27	0.06	9.70	0.74	0.54	0.11
7.15	0.45	0.28	0.06	9.75	0.74	0.55	0.11
7.20	0.46	0.28	0.06	9.80	0.75	0.55	0.11
7.25	0.46	0.28	0.06	9.85	0.76	0.56	0.11
7.30	0.47	0.29	0.06	9.90	0.77	0.57	0.11
7.35	0.47	0.29	0.06	9.95	0.78	0.58	0.12
7.40	0.48	0.30	0.06	10.00	0.78	0.58	0.12
7.45	0.48	0.30	0.06	10.05	0.79	0.59	0.12
7.50	0.48	0.30	0.06	10.10	0.80	0.60	0.12
7.55	0.49	0.31	0.07	10.15	0.81	0.61	0.12

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.62	0.13	12.80	2.44	2.21	0.41
10.25	0.83	0.63	0.13	12.85	2.46	2.23	0.38
10.30	0.84	0.63	0.13	12.90	2.48	2.25	0.35
10.35	0.85	0.64	0.13	12.95	2.49	2.26	0.33
10.40	0.86	0.65	0.13	13.00	2.51	2.28	0.31
10.45	0.86	0.66	0.14	13.05	2.52	2.29	0.29
10.50	0.87	0.67	0.14	13.10	2.53	2.30	0.28
10.55	0.88	0.68	0.14	13.15	2.55	2.32	0.26
10.60	0.89	0.69	0.14	13.20	2.56	2.33	0.25
10.65	0.91	0.70	0.15	13.25	2.57	2.34	0.24
10.70	0.92	0.71	0.15	13.30	2.58	2.35	0.23
10.75	0.93	0.72	0.16	13.35	2.59	2.36	0.22
10.80	0.94	0.73	0.16	13.40	2.61	2.38	0.21
10.85	0.95	0.75	0.17	13.45	2.62	2.39	0.20
10.90	0.97	0.76	0.17	13.50	2.63	2.40	0.20
10.95	0.98	0.77	0.18	13.55	2.64	2.41	0.19
11.00	0.99	0.79	0.19	13.60	2.64	2.41	0.18
11.05	1.01	0.80	0.19	13.65	2.65	2.42	0.17
11.10	1.02	0.81	0.20	13.70	2.66	2.43	0.17
11.15	1.04	0.83	0.21	13.75	2.67	2.44	0.16
11.20	1.06	0.85	0.22	13.80	2.68	2.45	0.16
11.25	1.08	0.86	0.23	13.85	2.69	2.46	0.15
11.30	1.09	0.88	0.24	13.90	2.70	2.47	0.15
11.35	1.11	0.90	0.25	13.95	2.71	2.48	0.15
11.40	1.13	0.92	0.26	14.00	2.72	2.48	0.15
11.45	1.15	0.94	0.27	14.05	2.72	2.49	0.14
11.50	1.17	0.96	0.28	14.10	2.73	2.50	0.14
11.55	1.20	0.99	0.29	14.15	2.74	2.51	0.14
11.60	1.23	1.01	0.31	14.20	2.75	2.52	0.14
11.65	1.25	1.04	0.34	14.25	2.76	2.52	0.13
11.70	1.28	1.07	0.36	14.30	2.76	2.53	0.13
11.75	1.32	1.11	0.38	14.35	2.77	2.54	0.13
11.80	1.36	1.14	0.42	14.40	2.78	2.55	0.13
11.85	1.42	1.20	0.47	14.45	2.79	2.55	0.13
11.90	1.48	1.26	0.54	14.50	2.79	2.56	0.12
11.95	1.58	1.35	0.64	14.55	2.80	2.57	0.12
12.00	1.68	1.45	0.78	14.60	2.81	2.58	0.12
12.05	1.85	1.63	0.99	14.65	2.81	2.58	0.12
12.10	2.02	1.80	1.28	14.70	2.82	2.59	0.12
12.15	2.08	1.86	1.56	14.75	2.83	2.60	0.11
12.20	2.14	1.91	1.62	14.80	2.83	2.60	0.11
12.25	2.18	1.95	1.48	14.85	2.84	2.61	0.11
12.30	2.22	1.99	1.32	14.90	2.85	2.61	0.11
12.35	2.25	2.02	1.17	14.95	2.85	2.62	0.11
12.40	2.27	2.05	1.03	15.00	2.86	2.63	0.10
12.45	2.30	2.07	0.90	15.05	2.86	2.63	0.10
12.50	2.33	2.10	0.80	15.10	2.87	2.64	0.10
12.55	2.35	2.12	0.71	15.15	2.87	2.64	0.10
12.60	2.37	2.14	0.64	15.20	2.88	2.65	0.10
12.65	2.39	2.16	0.56	15.25	2.89	2.65	0.10
12.70	2.41	2.18	0.50	15.30	2.89	2.66	0.09
12.75	2.42	2.20	0.45	15.35	2.90	2.67	0.09

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	2.67	0.09	18.00	3.14	2.91	0.06
15.45	2.91	2.68	0.09	18.05	3.14	2.91	0.06
15.50	2.91	2.68	0.09	18.10	3.15	2.91	0.06
15.55	2.92	2.69	0.09	18.15	3.15	2.92	0.06
15.60	2.92	2.69	0.09	18.20	3.15	2.92	0.06
15.65	2.93	2.70	0.09	18.25	3.16	2.92	0.06
15.70	2.94	2.70	0.09	18.30	3.16	2.93	0.06
15.75	2.94	2.71	0.09	18.35	3.16	2.93	0.06
15.80	2.95	2.71	0.09	18.40	3.17	2.94	0.06
15.85	2.95	2.72	0.09	18.45	3.17	2.94	0.06
15.90	2.96	2.72	0.09	18.50	3.17	2.94	0.06
15.95	2.96	2.73	0.09	18.55	3.18	2.95	0.06
16.00	2.97	2.73	0.08	18.60	3.18	2.95	0.06
16.05	2.97	2.74	0.08	18.65	3.18	2.95	0.06
16.10	2.98	2.74	0.08	18.70	3.19	2.96	0.06
16.15	2.98	2.75	0.08	18.75	3.19	2.96	0.06
16.20	2.99	2.75	0.08	18.80	3.20	2.96	0.06
16.25	2.99	2.76	0.08	18.85	3.20	2.97	0.06
16.30	3.00	2.76	0.08	18.90	3.20	2.97	0.06
16.35	3.00	2.77	0.08	18.95	3.21	2.97	0.06
16.40	3.01	2.77	0.08	19.00	3.21	2.98	0.06
16.45	3.01	2.78	0.08	19.05	3.21	2.98	0.05
16.50	3.02	2.78	0.08	19.10	3.22	2.98	0.05
16.55	3.02	2.79	0.08	19.15	3.22	2.99	0.05
16.60	3.02	2.79	0.08	19.20	3.22	2.99	0.05
16.65	3.03	2.80	0.08	19.25	3.23	2.99	0.05
16.70	3.03	2.80	0.08	19.30	3.23	3.00	0.05
16.75	3.04	2.81	0.08	19.35	3.23	3.00	0.05
16.80	3.04	2.81	0.07	19.40	3.24	3.00	0.05
16.85	3.05	2.82	0.07	19.45	3.24	3.01	0.05
16.90	3.05	2.82	0.07	19.50	3.24	3.01	0.05
16.95	3.06	2.82	0.07	19.55	3.25	3.01	0.05
17.00	3.06	2.83	0.07	19.60	3.25	3.02	0.05
17.05	3.06	2.83	0.07	19.65	3.25	3.02	0.05
17.10	3.07	2.84	0.07	19.70	3.26	3.02	0.05
17.15	3.07	2.84	0.07	19.75	3.26	3.03	0.05
17.20	3.08	2.85	0.07	19.80	3.26	3.03	0.05
17.25	3.08	2.85	0.07	19.85	3.26	3.03	0.05
17.30	3.09	2.85	0.07	19.90	3.27	3.04	0.05
17.35	3.09	2.86	0.07	19.95	3.27	3.04	0.05
17.40	3.09	2.86	0.07	20.00	3.27	3.04	0.05
17.45	3.10	2.87	0.07	20.05	3.28	3.04	0.05
17.50	3.10	2.87	0.07	20.10	3.28	3.05	0.05
17.55	3.11	2.87	0.07	20.15	3.28	3.05	0.05
17.60	3.11	2.88	0.07	20.20	3.29	3.05	0.05
17.65	3.11	2.88	0.06	20.25	3.29	3.06	0.05
17.70	3.12	2.89	0.06	20.30	3.29	3.06	0.05
17.75	3.12	2.89	0.06	20.35	3.30	3.06	0.05
17.80	3.12	2.89	0.06	20.40	3.30	3.07	0.05
17.85	3.13	2.90	0.06	20.45	3.30	3.07	0.05
17.90	3.13	2.90	0.06	20.50	3.31	3.07	0.05
17.95	3.14	2.90	0.06	20.55	3.31	3.08	0.05

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	3.08	0.05	23.20	3.46	3.23	0.04
20.65	3.32	3.08	0.05	23.25	3.46	3.23	0.04
20.70	3.32	3.09	0.05	23.30	3.46	3.23	0.04
20.75	3.32	3.09	0.05	23.35	3.47	3.23	0.04
20.80	3.32	3.09	0.05	23.40	3.47	3.24	0.04
20.85	3.33	3.09	0.05	23.45	3.47	3.24	0.04
20.90	3.33	3.10	0.05	23.50	3.47	3.24	0.04
20.95	3.33	3.10	0.05	23.55	3.48	3.24	0.04
21.00	3.34	3.10	0.05	23.60	3.48	3.25	0.04
21.05	3.34	3.11	0.05	23.65	3.48	3.25	0.04
21.10	3.34	3.11	0.05	23.70	3.48	3.25	0.04
21.15	3.35	3.11	0.05	23.75	3.49	3.25	0.04
21.20	3.35	3.12	0.05	23.80	3.49	3.26	0.04
21.25	3.35	3.12	0.05	23.85	3.49	3.26	0.04
21.30	3.35	3.12	0.05	23.90	3.49	3.26	0.04
21.35	3.36	3.12	0.05	23.95	3.50	3.26	0.04
21.40	3.36	3.13	0.05	24.00	3.50	3.27	0.04
21.45	3.36	3.13	0.05	24.05	3.50	3.27	0.04
21.50	3.37	3.13	0.05	24.10	3.50	3.27	0.03
21.55	3.37	3.14	0.05	24.15	3.50	3.27	0.03
21.60	3.37	3.14	0.05	24.20	3.50	3.27	0.02
21.65	3.37	3.14	0.05	24.25	3.50	3.27	0.02
21.70	3.38	3.14	0.05	24.30	3.50	3.27	0.01
21.75	3.38	3.15	0.05	24.35	3.50	3.27	0.01
21.80	3.38	3.15	0.05	24.40	3.50	3.27	0.01
21.85	3.39	3.15	0.05	24.45	3.50	3.27	0.01
21.90	3.39	3.16	0.05	24.50	3.50	3.27	0.00
21.95	3.39	3.16	0.05	24.55	3.50	3.27	0.00
22.00	3.39	3.16	0.05	24.60	3.50	3.27	0.00
22.05	3.40	3.16	0.05	24.65	3.50	3.27	0.00
22.10	3.40	3.17	0.05	24.70	3.50	3.27	0.00
22.15	3.40	3.17	0.05	24.75	3.50	3.27	0.00
22.20	3.41	3.17	0.05	24.80	3.50	3.27	0.00
22.25	3.41	3.18	0.05	24.85	3.50	3.27	0.00
22.30	3.41	3.18	0.05	24.90	3.50	3.27	0.00
22.35	3.41	3.18	0.05	24.95	3.50	3.27	0.00
22.40	3.42	3.18	0.04	25.00	3.50	3.27	0.00
22.45	3.42	3.19	0.04	25.05	3.50	3.27	0.00
22.50	3.42	3.19	0.04	25.10	3.50	3.27	0.00
22.55	3.42	3.19	0.04	25.15	3.50	3.27	0.00
22.60	3.43	3.19	0.04	25.20	3.50	3.27	0.00
22.65	3.43	3.20	0.04	25.25	3.50	3.27	0.00
22.70	3.43	3.20	0.04	25.30	3.50	3.27	0.00
22.75	3.44	3.20	0.04	25.35	3.50	3.27	0.00
22.80	3.44	3.21	0.04	25.40	3.50	3.27	0.00
22.85	3.44	3.21	0.04	25.45	3.50	3.27	0.00
22.90	3.44	3.21	0.04	25.50	3.50	3.27	0.00
22.95	3.45	3.21	0.04	25.55	3.50	3.27	0.00
23.00	3.45	3.22	0.04	25.60	3.50	3.27	0.00
23.05	3.45	3.22	0.04	25.65	3.50	3.27	0.00
23.10	3.45	3.22	0.04	25.70	3.50	3.27	0.00
23.15	3.46	3.22	0.04	25.75	3.50	3.27	0.00

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	3.27	0.00	28.40	3.50	3.27	0.00
25.85	3.50	3.27	0.00	28.45	3.50	3.27	0.00
25.90	3.50	3.27	0.00	28.50	3.50	3.27	0.00
25.95	3.50	3.27	0.00	28.55	3.50	3.27	0.00
26.00	3.50	3.27	0.00	28.60	3.50	3.27	0.00
26.05	3.50	3.27	0.00	28.65	3.50	3.27	0.00
26.10	3.50	3.27	0.00	28.70	3.50	3.27	0.00
26.15	3.50	3.27	0.00	28.75	3.50	3.27	0.00
26.20	3.50	3.27	0.00	28.80	3.50	3.27	0.00
26.25	3.50	3.27	0.00	28.85	3.50	3.27	0.00
26.30	3.50	3.27	0.00	28.90	3.50	3.27	0.00
26.35	3.50	3.27	0.00	28.95	3.50	3.27	0.00
26.40	3.50	3.27	0.00	29.00	3.50	3.27	0.00
26.45	3.50	3.27	0.00	29.05	3.50	3.27	0.00
26.50	3.50	3.27	0.00	29.10	3.50	3.27	0.00
26.55	3.50	3.27	0.00	29.15	3.50	3.27	0.00
26.60	3.50	3.27	0.00	29.20	3.50	3.27	0.00
26.65	3.50	3.27	0.00	29.25	3.50	3.27	0.00
26.70	3.50	3.27	0.00	29.30	3.50	3.27	0.00
26.75	3.50	3.27	0.00	29.35	3.50	3.27	0.00
26.80	3.50	3.27	0.00	29.40	3.50	3.27	0.00
26.85	3.50	3.27	0.00	29.45	3.50	3.27	0.00
26.90	3.50	3.27	0.00	29.50	3.50	3.27	0.00
26.95	3.50	3.27	0.00	29.55	3.50	3.27	0.00
27.00	3.50	3.27	0.00	29.60	3.50	3.27	0.00
27.05	3.50	3.27	0.00	29.65	3.50	3.27	0.00
27.10	3.50	3.27	0.00	29.70	3.50	3.27	0.00
27.15	3.50	3.27	0.00	29.75	3.50	3.27	0.00
27.20	3.50	3.27	0.00	29.80	3.50	3.27	0.00
27.25	3.50	3.27	0.00	29.85	3.50	3.27	0.00
27.30	3.50	3.27	0.00	29.90	3.50	3.27	0.00
27.35	3.50	3.27	0.00	29.95	3.50	3.27	0.00
27.40	3.50	3.27	0.00	30.00	3.50	3.27	0.00
27.45	3.50	3.27	0.00				
27.50	3.50	3.27	0.00				
27.55	3.50	3.27	0.00				
27.60	3.50	3.27	0.00				
27.65	3.50	3.27	0.00				
27.70	3.50	3.27	0.00				
27.75	3.50	3.27	0.00				
27.80	3.50	3.27	0.00				
27.85	3.50	3.27	0.00				
27.90	3.50	3.27	0.00				
27.95	3.50	3.27	0.00				
28.00	3.50	3.27	0.00				
28.05	3.50	3.27	0.00				
28.10	3.50	3.27	0.00				
28.15	3.50	3.27	0.00				
28.20	3.50	3.27	0.00				
28.25	3.50	3.27	0.00				
28.30	3.50	3.27	0.00				
28.35	3.50	3.27	0.00				

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NRCC 24-hr D 2 year Rainfall=3.50"

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Summary for Subcatchment Basin 2 Pervious: Basin 2 - Pervious

Runoff = 0.00 cfs @ 24.05 hrs, Volume= 0.001 af, Depth= 0.01"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 2.050	39	lawn, A soils
2.050		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.00	0.00	7.60	0.49	0.00	0.00
5.05	0.29	0.00	0.00	7.65	0.50	0.00	0.00
5.10	0.30	0.00	0.00	7.70	0.50	0.00	0.00
5.15	0.30	0.00	0.00	7.75	0.51	0.00	0.00
5.20	0.30	0.00	0.00	7.80	0.51	0.00	0.00
5.25	0.31	0.00	0.00	7.85	0.52	0.00	0.00
5.30	0.31	0.00	0.00	7.90	0.52	0.00	0.00
5.35	0.32	0.00	0.00	7.95	0.53	0.00	0.00
5.40	0.32	0.00	0.00	8.00	0.53	0.00	0.00
5.45	0.32	0.00	0.00	8.05	0.54	0.00	0.00
5.50	0.33	0.00	0.00	8.10	0.54	0.00	0.00
5.55	0.33	0.00	0.00	8.15	0.55	0.00	0.00
5.60	0.33	0.00	0.00	8.20	0.55	0.00	0.00
5.65	0.34	0.00	0.00	8.25	0.56	0.00	0.00
5.70	0.34	0.00	0.00	8.30	0.56	0.00	0.00
5.75	0.34	0.00	0.00	8.35	0.57	0.00	0.00
5.80	0.35	0.00	0.00	8.40	0.58	0.00	0.00
5.85	0.35	0.00	0.00	8.45	0.58	0.00	0.00
5.90	0.35	0.00	0.00	8.50	0.59	0.00	0.00
5.95	0.36	0.00	0.00	8.55	0.59	0.00	0.00
6.00	0.36	0.00	0.00	8.60	0.60	0.00	0.00
6.05	0.36	0.00	0.00	8.65	0.60	0.00	0.00
6.10	0.37	0.00	0.00	8.70	0.61	0.00	0.00
6.15	0.37	0.00	0.00	8.75	0.61	0.00	0.00
6.20	0.38	0.00	0.00	8.80	0.62	0.00	0.00
6.25	0.38	0.00	0.00	8.85	0.63	0.00	0.00
6.30	0.38	0.00	0.00	8.90	0.63	0.00	0.00
6.35	0.39	0.00	0.00	8.95	0.64	0.00	0.00
6.40	0.39	0.00	0.00	9.00	0.64	0.00	0.00
6.45	0.39	0.00	0.00	9.05	0.65	0.00	0.00
6.50	0.40	0.00	0.00	9.10	0.65	0.00	0.00
6.55	0.40	0.00	0.00	9.15	0.66	0.00	0.00
6.60	0.41	0.00	0.00	9.20	0.67	0.00	0.00
6.65	0.41	0.00	0.00	9.25	0.67	0.00	0.00
6.70	0.41	0.00	0.00	9.30	0.68	0.00	0.00
6.75	0.42	0.00	0.00	9.35	0.69	0.00	0.00
6.80	0.42	0.00	0.00	9.40	0.69	0.00	0.00
6.85	0.43	0.00	0.00	9.45	0.70	0.00	0.00
6.90	0.43	0.00	0.00	9.50	0.71	0.00	0.00
6.95	0.44	0.00	0.00	9.55	0.71	0.00	0.00
7.00	0.44	0.00	0.00	9.60	0.72	0.00	0.00
7.05	0.44	0.00	0.00	9.65	0.73	0.00	0.00
7.10	0.45	0.00	0.00	9.70	0.74	0.00	0.00
7.15	0.45	0.00	0.00	9.75	0.74	0.00	0.00
7.20	0.46	0.00	0.00	9.80	0.75	0.00	0.00
7.25	0.46	0.00	0.00	9.85	0.76	0.00	0.00
7.30	0.47	0.00	0.00	9.90	0.77	0.00	0.00
7.35	0.47	0.00	0.00	9.95	0.78	0.00	0.00
7.40	0.48	0.00	0.00	10.00	0.78	0.00	0.00
7.45	0.48	0.00	0.00	10.05	0.79	0.00	0.00
7.50	0.48	0.00	0.00	10.10	0.80	0.00	0.00
7.55	0.49	0.00	0.00	10.15	0.81	0.00	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.00	0.00	12.80	2.44	0.00	0.00
10.25	0.83	0.00	0.00	12.85	2.46	0.00	0.00
10.30	0.84	0.00	0.00	12.90	2.48	0.00	0.00
10.35	0.85	0.00	0.00	12.95	2.49	0.00	0.00
10.40	0.86	0.00	0.00	13.00	2.51	0.00	0.00
10.45	0.86	0.00	0.00	13.05	2.52	0.00	0.00
10.50	0.87	0.00	0.00	13.10	2.53	0.00	0.00
10.55	0.88	0.00	0.00	13.15	2.55	0.00	0.00
10.60	0.89	0.00	0.00	13.20	2.56	0.00	0.00
10.65	0.91	0.00	0.00	13.25	2.57	0.00	0.00
10.70	0.92	0.00	0.00	13.30	2.58	0.00	0.00
10.75	0.93	0.00	0.00	13.35	2.59	0.00	0.00
10.80	0.94	0.00	0.00	13.40	2.61	0.00	0.00
10.85	0.95	0.00	0.00	13.45	2.62	0.00	0.00
10.90	0.97	0.00	0.00	13.50	2.63	0.00	0.00
10.95	0.98	0.00	0.00	13.55	2.64	0.00	0.00
11.00	0.99	0.00	0.00	13.60	2.64	0.00	0.00
11.05	1.01	0.00	0.00	13.65	2.65	0.00	0.00
11.10	1.02	0.00	0.00	13.70	2.66	0.00	0.00
11.15	1.04	0.00	0.00	13.75	2.67	0.00	0.00
11.20	1.06	0.00	0.00	13.80	2.68	0.00	0.00
11.25	1.08	0.00	0.00	13.85	2.69	0.00	0.00
11.30	1.09	0.00	0.00	13.90	2.70	0.00	0.00
11.35	1.11	0.00	0.00	13.95	2.71	0.00	0.00
11.40	1.13	0.00	0.00	14.00	2.72	0.00	0.00
11.45	1.15	0.00	0.00	14.05	2.72	0.00	0.00
11.50	1.17	0.00	0.00	14.10	2.73	0.00	0.00
11.55	1.20	0.00	0.00	14.15	2.74	0.00	0.00
11.60	1.23	0.00	0.00	14.20	2.75	0.00	0.00
11.65	1.25	0.00	0.00	14.25	2.76	0.00	0.00
11.70	1.28	0.00	0.00	14.30	2.76	0.00	0.00
11.75	1.32	0.00	0.00	14.35	2.77	0.00	0.00
11.80	1.36	0.00	0.00	14.40	2.78	0.00	0.00
11.85	1.42	0.00	0.00	14.45	2.79	0.00	0.00
11.90	1.48	0.00	0.00	14.50	2.79	0.00	0.00
11.95	1.58	0.00	0.00	14.55	2.80	0.00	0.00
12.00	1.68	0.00	0.00	14.60	2.81	0.00	0.00
12.05	1.85	0.00	0.00	14.65	2.81	0.00	0.00
12.10	2.02	0.00	0.00	14.70	2.82	0.00	0.00
12.15	2.08	0.00	0.00	14.75	2.83	0.00	0.00
12.20	2.14	0.00	0.00	14.80	2.83	0.00	0.00
12.25	2.18	0.00	0.00	14.85	2.84	0.00	0.00
12.30	2.22	0.00	0.00	14.90	2.85	0.00	0.00
12.35	2.25	0.00	0.00	14.95	2.85	0.00	0.00
12.40	2.27	0.00	0.00	15.00	2.86	0.00	0.00
12.45	2.30	0.00	0.00	15.05	2.86	0.00	0.00
12.50	2.33	0.00	0.00	15.10	2.87	0.00	0.00
12.55	2.35	0.00	0.00	15.15	2.87	0.00	0.00
12.60	2.37	0.00	0.00	15.20	2.88	0.00	0.00
12.65	2.39	0.00	0.00	15.25	2.89	0.00	0.00
12.70	2.41	0.00	0.00	15.30	2.89	0.00	0.00
12.75	2.42	0.00	0.00	15.35	2.90	0.00	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	0.00	0.00	18.00	3.14	0.00	0.00
15.45	2.91	0.00	0.00	18.05	3.14	0.00	0.00
15.50	2.91	0.00	0.00	18.10	3.15	0.00	0.00
15.55	2.92	0.00	0.00	18.15	3.15	0.00	0.00
15.60	2.92	0.00	0.00	18.20	3.15	0.00	0.00
15.65	2.93	0.00	0.00	18.25	3.16	0.00	0.00
15.70	2.94	0.00	0.00	18.30	3.16	0.00	0.00
15.75	2.94	0.00	0.00	18.35	3.16	0.00	0.00
15.80	2.95	0.00	0.00	18.40	3.17	0.00	0.00
15.85	2.95	0.00	0.00	18.45	3.17	0.00	0.00
15.90	2.96	0.00	0.00	18.50	3.17	0.00	0.00
15.95	2.96	0.00	0.00	18.55	3.18	0.00	0.00
16.00	2.97	0.00	0.00	18.60	3.18	0.00	0.00
16.05	2.97	0.00	0.00	18.65	3.18	0.00	0.00
16.10	2.98	0.00	0.00	18.70	3.19	0.00	0.00
16.15	2.98	0.00	0.00	18.75	3.19	0.00	0.00
16.20	2.99	0.00	0.00	18.80	3.20	0.00	0.00
16.25	2.99	0.00	0.00	18.85	3.20	0.00	0.00
16.30	3.00	0.00	0.00	18.90	3.20	0.00	0.00
16.35	3.00	0.00	0.00	18.95	3.21	0.00	0.00
16.40	3.01	0.00	0.00	19.00	3.21	0.00	0.00
16.45	3.01	0.00	0.00	19.05	3.21	0.00	0.00
16.50	3.02	0.00	0.00	19.10	3.22	0.00	0.00
16.55	3.02	0.00	0.00	19.15	3.22	0.00	0.00
16.60	3.02	0.00	0.00	19.20	3.22	0.00	0.00
16.65	3.03	0.00	0.00	19.25	3.23	0.00	0.00
16.70	3.03	0.00	0.00	19.30	3.23	0.00	0.00
16.75	3.04	0.00	0.00	19.35	3.23	0.00	0.00
16.80	3.04	0.00	0.00	19.40	3.24	0.00	0.00
16.85	3.05	0.00	0.00	19.45	3.24	0.00	0.00
16.90	3.05	0.00	0.00	19.50	3.24	0.00	0.00
16.95	3.06	0.00	0.00	19.55	3.25	0.00	0.00
17.00	3.06	0.00	0.00	19.60	3.25	0.00	0.00
17.05	3.06	0.00	0.00	19.65	3.25	0.00	0.00
17.10	3.07	0.00	0.00	19.70	3.26	0.00	0.00
17.15	3.07	0.00	0.00	19.75	3.26	0.00	0.00
17.20	3.08	0.00	0.00	19.80	3.26	0.00	0.00
17.25	3.08	0.00	0.00	19.85	3.26	0.00	0.00
17.30	3.09	0.00	0.00	19.90	3.27	0.00	0.00
17.35	3.09	0.00	0.00	19.95	3.27	0.00	0.00
17.40	3.09	0.00	0.00	20.00	3.27	0.00	0.00
17.45	3.10	0.00	0.00	20.05	3.28	0.00	0.00
17.50	3.10	0.00	0.00	20.10	3.28	0.00	0.00
17.55	3.11	0.00	0.00	20.15	3.28	0.00	0.00
17.60	3.11	0.00	0.00	20.20	3.29	0.00	0.00
17.65	3.11	0.00	0.00	20.25	3.29	0.00	0.00
17.70	3.12	0.00	0.00	20.30	3.29	0.00	0.00
17.75	3.12	0.00	0.00	20.35	3.30	0.00	0.00
17.80	3.12	0.00	0.00	20.40	3.30	0.00	0.00
17.85	3.13	0.00	0.00	20.45	3.30	0.00	0.00
17.90	3.13	0.00	0.00	20.50	3.31	0.00	0.00
17.95	3.14	0.00	0.00	20.55	3.31	0.00	0.00

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NRCC 24-hr D 2 year Rainfall=3.50"

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	0.00	0.00	23.20	3.46	0.01	0.00
20.65	3.32	0.00	0.00	23.25	3.46	0.01	0.00
20.70	3.32	0.00	0.00	23.30	3.46	0.01	0.00
20.75	3.32	0.00	0.00	23.35	3.47	0.01	0.00
20.80	3.32	0.00	0.00	23.40	3.47	0.01	0.00
20.85	3.33	0.00	0.00	23.45	3.47	0.01	0.00
20.90	3.33	0.00	0.00	23.50	3.47	0.01	0.00
20.95	3.33	0.00	0.00	23.55	3.48	0.01	0.00
21.00	3.34	0.00	0.00	23.60	3.48	0.01	0.00
21.05	3.34	0.00	0.00	23.65	3.48	0.01	0.00
21.10	3.34	0.00	0.00	23.70	3.48	0.01	0.00
21.15	3.35	0.00	0.00	23.75	3.49	0.01	0.00
21.20	3.35	0.00	0.00	23.80	3.49	0.01	0.00
21.25	3.35	0.00	0.00	23.85	3.49	0.01	0.00
21.30	3.35	0.00	0.00	23.90	3.49	0.01	0.00
21.35	3.36	0.00	0.00	23.95	3.50	0.01	0.00
21.40	3.36	0.00	0.00	24.00	3.50	0.01	0.00
21.45	3.36	0.00	0.00	24.05	3.50	0.01	0.00
21.50	3.37	0.00	0.00	24.10	3.50	0.01	0.00
21.55	3.37	0.00	0.00	24.15	3.50	0.01	0.00
21.60	3.37	0.00	0.00	24.20	3.50	0.01	0.00
21.65	3.37	0.00	0.00	24.25	3.50	0.01	0.00
21.70	3.38	0.00	0.00	24.30	3.50	0.01	0.00
21.75	3.38	0.00	0.00	24.35	3.50	0.01	0.00
21.80	3.38	0.00	0.00	24.40	3.50	0.01	0.00
21.85	3.39	0.00	0.00	24.45	3.50	0.01	0.00
21.90	3.39	0.00	0.00	24.50	3.50	0.01	0.00
21.95	3.39	0.00	0.00	24.55	3.50	0.01	0.00
22.00	3.39	0.00	0.00	24.60	3.50	0.01	0.00
22.05	3.40	0.00	0.00	24.65	3.50	0.01	0.00
22.10	3.40	0.00	0.00	24.70	3.50	0.01	0.00
22.15	3.40	0.00	0.00	24.75	3.50	0.01	0.00
22.20	3.41	0.00	0.00	24.80	3.50	0.01	0.00
22.25	3.41	0.00	0.00	24.85	3.50	0.01	0.00
22.30	3.41	0.01	0.00	24.90	3.50	0.01	0.00
22.35	3.41	0.01	0.00	24.95	3.50	0.01	0.00
22.40	3.42	0.01	0.00	25.00	3.50	0.01	0.00
22.45	3.42	0.01	0.00	25.05	3.50	0.01	0.00
22.50	3.42	0.01	0.00	25.10	3.50	0.01	0.00
22.55	3.42	0.01	0.00	25.15	3.50	0.01	0.00
22.60	3.43	0.01	0.00	25.20	3.50	0.01	0.00
22.65	3.43	0.01	0.00	25.25	3.50	0.01	0.00
22.70	3.43	0.01	0.00	25.30	3.50	0.01	0.00
22.75	3.44	0.01	0.00	25.35	3.50	0.01	0.00
22.80	3.44	0.01	0.00	25.40	3.50	0.01	0.00
22.85	3.44	0.01	0.00	25.45	3.50	0.01	0.00
22.90	3.44	0.01	0.00	25.50	3.50	0.01	0.00
22.95	3.45	0.01	0.00	25.55	3.50	0.01	0.00
23.00	3.45	0.01	0.00	25.60	3.50	0.01	0.00
23.05	3.45	0.01	0.00	25.65	3.50	0.01	0.00
23.10	3.45	0.01	0.00	25.70	3.50	0.01	0.00
23.15	3.46	0.01	0.00	25.75	3.50	0.01	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	0.01	0.00	28.40	3.50	0.01	0.00
25.85	3.50	0.01	0.00	28.45	3.50	0.01	0.00
25.90	3.50	0.01	0.00	28.50	3.50	0.01	0.00
25.95	3.50	0.01	0.00	28.55	3.50	0.01	0.00
26.00	3.50	0.01	0.00	28.60	3.50	0.01	0.00
26.05	3.50	0.01	0.00	28.65	3.50	0.01	0.00
26.10	3.50	0.01	0.00	28.70	3.50	0.01	0.00
26.15	3.50	0.01	0.00	28.75	3.50	0.01	0.00
26.20	3.50	0.01	0.00	28.80	3.50	0.01	0.00
26.25	3.50	0.01	0.00	28.85	3.50	0.01	0.00
26.30	3.50	0.01	0.00	28.90	3.50	0.01	0.00
26.35	3.50	0.01	0.00	28.95	3.50	0.01	0.00
26.40	3.50	0.01	0.00	29.00	3.50	0.01	0.00
26.45	3.50	0.01	0.00	29.05	3.50	0.01	0.00
26.50	3.50	0.01	0.00	29.10	3.50	0.01	0.00
26.55	3.50	0.01	0.00	29.15	3.50	0.01	0.00
26.60	3.50	0.01	0.00	29.20	3.50	0.01	0.00
26.65	3.50	0.01	0.00	29.25	3.50	0.01	0.00
26.70	3.50	0.01	0.00	29.30	3.50	0.01	0.00
26.75	3.50	0.01	0.00	29.35	3.50	0.01	0.00
26.80	3.50	0.01	0.00	29.40	3.50	0.01	0.00
26.85	3.50	0.01	0.00	29.45	3.50	0.01	0.00
26.90	3.50	0.01	0.00	29.50	3.50	0.01	0.00
26.95	3.50	0.01	0.00	29.55	3.50	0.01	0.00
27.00	3.50	0.01	0.00	29.60	3.50	0.01	0.00
27.05	3.50	0.01	0.00	29.65	3.50	0.01	0.00
27.10	3.50	0.01	0.00	29.70	3.50	0.01	0.00
27.15	3.50	0.01	0.00	29.75	3.50	0.01	0.00
27.20	3.50	0.01	0.00	29.80	3.50	0.01	0.00
27.25	3.50	0.01	0.00	29.85	3.50	0.01	0.00
27.30	3.50	0.01	0.00	29.90	3.50	0.01	0.00
27.35	3.50	0.01	0.00	29.95	3.50	0.01	0.00
27.40	3.50	0.01	0.00	30.00	3.50	0.01	0.00
27.45	3.50	0.01	0.00				
27.50	3.50	0.01	0.00				
27.55	3.50	0.01	0.00				
27.60	3.50	0.01	0.00				
27.65	3.50	0.01	0.00				
27.70	3.50	0.01	0.00				
27.75	3.50	0.01	0.00				
27.80	3.50	0.01	0.00				
27.85	3.50	0.01	0.00				
27.90	3.50	0.01	0.00				
27.95	3.50	0.01	0.00				
28.00	3.50	0.01	0.00				
28.05	3.50	0.01	0.00				
28.10	3.50	0.01	0.00				
28.15	3.50	0.01	0.00				
28.20	3.50	0.01	0.00				
28.25	3.50	0.01	0.00				
28.30	3.50	0.01	0.00				
28.35	3.50	0.01	0.00				

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Summary for Subcatchment Basin 2 Roof: Basin 2 Roof

Runoff = 0.71 cfs @ 12.19 hrs, Volume= 0.092 af, Depth> 3.14"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.350	98	Roof
0.350		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.14	0.02	7.60	0.49	0.31	0.03
5.05	0.29	0.14	0.02	7.65	0.50	0.32	0.03
5.10	0.30	0.14	0.02	7.70	0.50	0.32	0.03
5.15	0.30	0.15	0.02	7.75	0.51	0.33	0.03
5.20	0.30	0.15	0.02	7.80	0.51	0.33	0.03
5.25	0.31	0.15	0.02	7.85	0.52	0.33	0.03
5.30	0.31	0.15	0.02	7.90	0.52	0.34	0.03
5.35	0.32	0.16	0.02	7.95	0.53	0.34	0.03
5.40	0.32	0.16	0.02	8.00	0.53	0.35	0.03
5.45	0.32	0.16	0.02	8.05	0.54	0.35	0.03
5.50	0.33	0.17	0.02	8.10	0.54	0.36	0.03
5.55	0.33	0.17	0.02	8.15	0.55	0.36	0.03
5.60	0.33	0.17	0.02	8.20	0.55	0.37	0.03
5.65	0.34	0.17	0.02	8.25	0.56	0.37	0.03
5.70	0.34	0.18	0.02	8.30	0.56	0.38	0.03
5.75	0.34	0.18	0.02	8.35	0.57	0.38	0.03
5.80	0.35	0.18	0.02	8.40	0.58	0.39	0.03
5.85	0.35	0.19	0.02	8.45	0.58	0.39	0.03
5.90	0.35	0.19	0.02	8.50	0.59	0.40	0.03
5.95	0.36	0.19	0.02	8.55	0.59	0.40	0.03
6.00	0.36	0.20	0.02	8.60	0.60	0.41	0.03
6.05	0.36	0.20	0.02	8.65	0.60	0.41	0.03
6.10	0.37	0.20	0.02	8.70	0.61	0.42	0.04
6.15	0.37	0.20	0.02	8.75	0.61	0.42	0.04
6.20	0.38	0.21	0.02	8.80	0.62	0.43	0.04
6.25	0.38	0.21	0.02	8.85	0.63	0.43	0.04
6.30	0.38	0.21	0.02	8.90	0.63	0.44	0.04
6.35	0.39	0.22	0.02	8.95	0.64	0.44	0.04
6.40	0.39	0.22	0.02	9.00	0.64	0.45	0.04
6.45	0.39	0.22	0.02	9.05	0.65	0.45	0.04
6.50	0.40	0.23	0.02	9.10	0.65	0.46	0.04
6.55	0.40	0.23	0.02	9.15	0.66	0.47	0.04
6.60	0.41	0.23	0.02	9.20	0.67	0.47	0.04
6.65	0.41	0.24	0.02	9.25	0.67	0.48	0.04
6.70	0.41	0.24	0.02	9.30	0.68	0.48	0.04
6.75	0.42	0.25	0.02	9.35	0.69	0.49	0.04
6.80	0.42	0.25	0.02	9.40	0.69	0.50	0.04
6.85	0.43	0.25	0.02	9.45	0.70	0.50	0.04
6.90	0.43	0.26	0.03	9.50	0.71	0.51	0.04
6.95	0.44	0.26	0.03	9.55	0.71	0.52	0.04
7.00	0.44	0.26	0.03	9.60	0.72	0.52	0.04
7.05	0.44	0.27	0.03	9.65	0.73	0.53	0.05
7.10	0.45	0.27	0.03	9.70	0.74	0.54	0.05
7.15	0.45	0.28	0.03	9.75	0.74	0.55	0.05
7.20	0.46	0.28	0.03	9.80	0.75	0.55	0.05
7.25	0.46	0.28	0.03	9.85	0.76	0.56	0.05
7.30	0.47	0.29	0.03	9.90	0.77	0.57	0.05
7.35	0.47	0.29	0.03	9.95	0.78	0.58	0.05
7.40	0.48	0.30	0.03	10.00	0.78	0.58	0.05
7.45	0.48	0.30	0.03	10.05	0.79	0.59	0.05
7.50	0.48	0.30	0.03	10.10	0.80	0.60	0.05
7.55	0.49	0.31	0.03	10.15	0.81	0.61	0.05

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.62	0.06	12.80	2.44	2.21	0.18
10.25	0.83	0.63	0.06	12.85	2.46	2.23	0.17
10.30	0.84	0.63	0.06	12.90	2.48	2.25	0.15
10.35	0.85	0.64	0.06	12.95	2.49	2.26	0.14
10.40	0.86	0.65	0.06	13.00	2.51	2.28	0.14
10.45	0.86	0.66	0.06	13.05	2.52	2.29	0.13
10.50	0.87	0.67	0.06	13.10	2.53	2.30	0.12
10.55	0.88	0.68	0.06	13.15	2.55	2.32	0.11
10.60	0.89	0.69	0.06	13.20	2.56	2.33	0.11
10.65	0.91	0.70	0.06	13.25	2.57	2.34	0.10
10.70	0.92	0.71	0.07	13.30	2.58	2.35	0.10
10.75	0.93	0.72	0.07	13.35	2.59	2.36	0.10
10.80	0.94	0.73	0.07	13.40	2.61	2.38	0.09
10.85	0.95	0.75	0.07	13.45	2.62	2.39	0.09
10.90	0.97	0.76	0.08	13.50	2.63	2.40	0.09
10.95	0.98	0.77	0.08	13.55	2.64	2.41	0.08
11.00	0.99	0.79	0.08	13.60	2.64	2.41	0.08
11.05	1.01	0.80	0.08	13.65	2.65	2.42	0.08
11.10	1.02	0.81	0.09	13.70	2.66	2.43	0.07
11.15	1.04	0.83	0.09	13.75	2.67	2.44	0.07
11.20	1.06	0.85	0.10	13.80	2.68	2.45	0.07
11.25	1.08	0.86	0.10	13.85	2.69	2.46	0.07
11.30	1.09	0.88	0.10	13.90	2.70	2.47	0.07
11.35	1.11	0.90	0.11	13.95	2.71	2.48	0.06
11.40	1.13	0.92	0.11	14.00	2.72	2.48	0.06
11.45	1.15	0.94	0.12	14.05	2.72	2.49	0.06
11.50	1.17	0.96	0.12	14.10	2.73	2.50	0.06
11.55	1.20	0.99	0.13	14.15	2.74	2.51	0.06
11.60	1.23	1.01	0.14	14.20	2.75	2.52	0.06
11.65	1.25	1.04	0.15	14.25	2.76	2.52	0.06
11.70	1.28	1.07	0.16	14.30	2.76	2.53	0.06
11.75	1.32	1.11	0.17	14.35	2.77	2.54	0.06
11.80	1.36	1.14	0.18	14.40	2.78	2.55	0.06
11.85	1.42	1.20	0.21	14.45	2.79	2.55	0.06
11.90	1.48	1.26	0.24	14.50	2.79	2.56	0.05
11.95	1.58	1.35	0.28	14.55	2.80	2.57	0.05
12.00	1.68	1.45	0.34	14.60	2.81	2.58	0.05
12.05	1.85	1.63	0.43	14.65	2.81	2.58	0.05
12.10	2.02	1.80	0.56	14.70	2.82	2.59	0.05
12.15	2.08	1.86	0.68	14.75	2.83	2.60	0.05
12.20	2.14	1.91	0.71	14.80	2.83	2.60	0.05
12.25	2.18	1.95	0.65	14.85	2.84	2.61	0.05
12.30	2.22	1.99	0.58	14.90	2.85	2.61	0.05
12.35	2.25	2.02	0.51	14.95	2.85	2.62	0.05
12.40	2.27	2.05	0.45	15.00	2.86	2.63	0.05
12.45	2.30	2.07	0.39	15.05	2.86	2.63	0.04
12.50	2.33	2.10	0.35	15.10	2.87	2.64	0.04
12.55	2.35	2.12	0.31	15.15	2.87	2.64	0.04
12.60	2.37	2.14	0.28	15.20	2.88	2.65	0.04
12.65	2.39	2.16	0.25	15.25	2.89	2.65	0.04
12.70	2.41	2.18	0.22	15.30	2.89	2.66	0.04
12.75	2.42	2.20	0.20	15.35	2.90	2.67	0.04

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	2.67	0.04	18.00	3.14	2.91	0.03
15.45	2.91	2.68	0.04	18.05	3.14	2.91	0.03
15.50	2.91	2.68	0.04	18.10	3.15	2.91	0.03
15.55	2.92	2.69	0.04	18.15	3.15	2.92	0.03
15.60	2.92	2.69	0.04	18.20	3.15	2.92	0.03
15.65	2.93	2.70	0.04	18.25	3.16	2.92	0.03
15.70	2.94	2.70	0.04	18.30	3.16	2.93	0.03
15.75	2.94	2.71	0.04	18.35	3.16	2.93	0.03
15.80	2.95	2.71	0.04	18.40	3.17	2.94	0.02
15.85	2.95	2.72	0.04	18.45	3.17	2.94	0.02
15.90	2.96	2.72	0.04	18.50	3.17	2.94	0.02
15.95	2.96	2.73	0.04	18.55	3.18	2.95	0.02
16.00	2.97	2.73	0.04	18.60	3.18	2.95	0.02
16.05	2.97	2.74	0.04	18.65	3.18	2.95	0.02
16.10	2.98	2.74	0.04	18.70	3.19	2.96	0.02
16.15	2.98	2.75	0.04	18.75	3.19	2.96	0.02
16.20	2.99	2.75	0.04	18.80	3.20	2.96	0.02
16.25	2.99	2.76	0.04	18.85	3.20	2.97	0.02
16.30	3.00	2.76	0.04	18.90	3.20	2.97	0.02
16.35	3.00	2.77	0.04	18.95	3.21	2.97	0.02
16.40	3.01	2.77	0.03	19.00	3.21	2.98	0.02
16.45	3.01	2.78	0.03	19.05	3.21	2.98	0.02
16.50	3.02	2.78	0.03	19.10	3.22	2.98	0.02
16.55	3.02	2.79	0.03	19.15	3.22	2.99	0.02
16.60	3.02	2.79	0.03	19.20	3.22	2.99	0.02
16.65	3.03	2.80	0.03	19.25	3.23	2.99	0.02
16.70	3.03	2.80	0.03	19.30	3.23	3.00	0.02
16.75	3.04	2.81	0.03	19.35	3.23	3.00	0.02
16.80	3.04	2.81	0.03	19.40	3.24	3.00	0.02
16.85	3.05	2.82	0.03	19.45	3.24	3.01	0.02
16.90	3.05	2.82	0.03	19.50	3.24	3.01	0.02
16.95	3.06	2.82	0.03	19.55	3.25	3.01	0.02
17.00	3.06	2.83	0.03	19.60	3.25	3.02	0.02
17.05	3.06	2.83	0.03	19.65	3.25	3.02	0.02
17.10	3.07	2.84	0.03	19.70	3.26	3.02	0.02
17.15	3.07	2.84	0.03	19.75	3.26	3.03	0.02
17.20	3.08	2.85	0.03	19.80	3.26	3.03	0.02
17.25	3.08	2.85	0.03	19.85	3.26	3.03	0.02
17.30	3.09	2.85	0.03	19.90	3.27	3.04	0.02
17.35	3.09	2.86	0.03	19.95	3.27	3.04	0.02
17.40	3.09	2.86	0.03	20.00	3.27	3.04	0.02
17.45	3.10	2.87	0.03	20.05	3.28	3.04	0.02
17.50	3.10	2.87	0.03	20.10	3.28	3.05	0.02
17.55	3.11	2.87	0.03	20.15	3.28	3.05	0.02
17.60	3.11	2.88	0.03	20.20	3.29	3.05	0.02
17.65	3.11	2.88	0.03	20.25	3.29	3.06	0.02
17.70	3.12	2.89	0.03	20.30	3.29	3.06	0.02
17.75	3.12	2.89	0.03	20.35	3.30	3.06	0.02
17.80	3.12	2.89	0.03	20.40	3.30	3.07	0.02
17.85	3.13	2.90	0.03	20.45	3.30	3.07	0.02
17.90	3.13	2.90	0.03	20.50	3.31	3.07	0.02
17.95	3.14	2.90	0.03	20.55	3.31	3.08	0.02

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	3.08	0.02	23.20	3.46	3.23	0.02
20.65	3.32	3.08	0.02	23.25	3.46	3.23	0.02
20.70	3.32	3.09	0.02	23.30	3.46	3.23	0.02
20.75	3.32	3.09	0.02	23.35	3.47	3.23	0.02
20.80	3.32	3.09	0.02	23.40	3.47	3.24	0.02
20.85	3.33	3.09	0.02	23.45	3.47	3.24	0.02
20.90	3.33	3.10	0.02	23.50	3.47	3.24	0.02
20.95	3.33	3.10	0.02	23.55	3.48	3.24	0.02
21.00	3.34	3.10	0.02	23.60	3.48	3.25	0.02
21.05	3.34	3.11	0.02	23.65	3.48	3.25	0.02
21.10	3.34	3.11	0.02	23.70	3.48	3.25	0.02
21.15	3.35	3.11	0.02	23.75	3.49	3.25	0.02
21.20	3.35	3.12	0.02	23.80	3.49	3.26	0.02
21.25	3.35	3.12	0.02	23.85	3.49	3.26	0.02
21.30	3.35	3.12	0.02	23.90	3.49	3.26	0.02
21.35	3.36	3.12	0.02	23.95	3.50	3.26	0.02
21.40	3.36	3.13	0.02	24.00	3.50	3.27	0.02
21.45	3.36	3.13	0.02	24.05	3.50	3.27	0.02
21.50	3.37	3.13	0.02	24.10	3.50	3.27	0.02
21.55	3.37	3.14	0.02	24.15	3.50	3.27	0.01
21.60	3.37	3.14	0.02	24.20	3.50	3.27	0.01
21.65	3.37	3.14	0.02	24.25	3.50	3.27	0.01
21.70	3.38	3.14	0.02	24.30	3.50	3.27	0.01
21.75	3.38	3.15	0.02	24.35	3.50	3.27	0.00
21.80	3.38	3.15	0.02	24.40	3.50	3.27	0.00
21.85	3.39	3.15	0.02	24.45	3.50	3.27	0.00
21.90	3.39	3.16	0.02	24.50	3.50	3.27	0.00
21.95	3.39	3.16	0.02	24.55	3.50	3.27	0.00
22.00	3.39	3.16	0.02	24.60	3.50	3.27	0.00
22.05	3.40	3.16	0.02	24.65	3.50	3.27	0.00
22.10	3.40	3.17	0.02	24.70	3.50	3.27	0.00
22.15	3.40	3.17	0.02	24.75	3.50	3.27	0.00
22.20	3.41	3.17	0.02	24.80	3.50	3.27	0.00
22.25	3.41	3.18	0.02	24.85	3.50	3.27	0.00
22.30	3.41	3.18	0.02	24.90	3.50	3.27	0.00
22.35	3.41	3.18	0.02	24.95	3.50	3.27	0.00
22.40	3.42	3.18	0.02	25.00	3.50	3.27	0.00
22.45	3.42	3.19	0.02	25.05	3.50	3.27	0.00
22.50	3.42	3.19	0.02	25.10	3.50	3.27	0.00
22.55	3.42	3.19	0.02	25.15	3.50	3.27	0.00
22.60	3.43	3.19	0.02	25.20	3.50	3.27	0.00
22.65	3.43	3.20	0.02	25.25	3.50	3.27	0.00
22.70	3.43	3.20	0.02	25.30	3.50	3.27	0.00
22.75	3.44	3.20	0.02	25.35	3.50	3.27	0.00
22.80	3.44	3.21	0.02	25.40	3.50	3.27	0.00
22.85	3.44	3.21	0.02	25.45	3.50	3.27	0.00
22.90	3.44	3.21	0.02	25.50	3.50	3.27	0.00
22.95	3.45	3.21	0.02	25.55	3.50	3.27	0.00
23.00	3.45	3.22	0.02	25.60	3.50	3.27	0.00
23.05	3.45	3.22	0.02	25.65	3.50	3.27	0.00
23.10	3.45	3.22	0.02	25.70	3.50	3.27	0.00
23.15	3.46	3.22	0.02	25.75	3.50	3.27	0.00

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	3.27	0.00	28.40	3.50	3.27	0.00
25.85	3.50	3.27	0.00	28.45	3.50	3.27	0.00
25.90	3.50	3.27	0.00	28.50	3.50	3.27	0.00
25.95	3.50	3.27	0.00	28.55	3.50	3.27	0.00
26.00	3.50	3.27	0.00	28.60	3.50	3.27	0.00
26.05	3.50	3.27	0.00	28.65	3.50	3.27	0.00
26.10	3.50	3.27	0.00	28.70	3.50	3.27	0.00
26.15	3.50	3.27	0.00	28.75	3.50	3.27	0.00
26.20	3.50	3.27	0.00	28.80	3.50	3.27	0.00
26.25	3.50	3.27	0.00	28.85	3.50	3.27	0.00
26.30	3.50	3.27	0.00	28.90	3.50	3.27	0.00
26.35	3.50	3.27	0.00	28.95	3.50	3.27	0.00
26.40	3.50	3.27	0.00	29.00	3.50	3.27	0.00
26.45	3.50	3.27	0.00	29.05	3.50	3.27	0.00
26.50	3.50	3.27	0.00	29.10	3.50	3.27	0.00
26.55	3.50	3.27	0.00	29.15	3.50	3.27	0.00
26.60	3.50	3.27	0.00	29.20	3.50	3.27	0.00
26.65	3.50	3.27	0.00	29.25	3.50	3.27	0.00
26.70	3.50	3.27	0.00	29.30	3.50	3.27	0.00
26.75	3.50	3.27	0.00	29.35	3.50	3.27	0.00
26.80	3.50	3.27	0.00	29.40	3.50	3.27	0.00
26.85	3.50	3.27	0.00	29.45	3.50	3.27	0.00
26.90	3.50	3.27	0.00	29.50	3.50	3.27	0.00
26.95	3.50	3.27	0.00	29.55	3.50	3.27	0.00
27.00	3.50	3.27	0.00	29.60	3.50	3.27	0.00
27.05	3.50	3.27	0.00	29.65	3.50	3.27	0.00
27.10	3.50	3.27	0.00	29.70	3.50	3.27	0.00
27.15	3.50	3.27	0.00	29.75	3.50	3.27	0.00
27.20	3.50	3.27	0.00	29.80	3.50	3.27	0.00
27.25	3.50	3.27	0.00	29.85	3.50	3.27	0.00
27.30	3.50	3.27	0.00	29.90	3.50	3.27	0.00
27.35	3.50	3.27	0.00	29.95	3.50	3.27	0.00
27.40	3.50	3.27	0.00	30.00	3.50	3.27	0.00
27.45	3.50	3.27	0.00				
27.50	3.50	3.27	0.00				
27.55	3.50	3.27	0.00				
27.60	3.50	3.27	0.00				
27.65	3.50	3.27	0.00				
27.70	3.50	3.27	0.00				
27.75	3.50	3.27	0.00				
27.80	3.50	3.27	0.00				
27.85	3.50	3.27	0.00				
27.90	3.50	3.27	0.00				
27.95	3.50	3.27	0.00				
28.00	3.50	3.27	0.00				
28.05	3.50	3.27	0.00				
28.10	3.50	3.27	0.00				
28.15	3.50	3.27	0.00				
28.20	3.50	3.27	0.00				
28.25	3.50	3.27	0.00				
28.30	3.50	3.27	0.00				
28.35	3.50	3.27	0.00				

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Summary for Subcatchment Basin 3 Impervious: Basin 3 Impervious

Runoff = 2.43 cfs @ 12.19 hrs, Volume= 0.314 af, Depth> 3.14"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.550	98	Pavement & Sidewalk
* 0.250	98	Driveways
* 0.400	98	Roof
1.200	98	Weighted Average
1.200		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.14	0.06	7.60	0.49	0.31	0.10
5.05	0.29	0.14	0.06	7.65	0.50	0.32	0.10
5.10	0.30	0.14	0.06	7.70	0.50	0.32	0.10
5.15	0.30	0.15	0.06	7.75	0.51	0.33	0.10
5.20	0.30	0.15	0.06	7.80	0.51	0.33	0.10
5.25	0.31	0.15	0.07	7.85	0.52	0.33	0.10
5.30	0.31	0.15	0.07	7.90	0.52	0.34	0.11
5.35	0.32	0.16	0.07	7.95	0.53	0.34	0.11
5.40	0.32	0.16	0.07	8.00	0.53	0.35	0.11
5.45	0.32	0.16	0.07	8.05	0.54	0.35	0.11
5.50	0.33	0.17	0.07	8.10	0.54	0.36	0.11
5.55	0.33	0.17	0.07	8.15	0.55	0.36	0.11
5.60	0.33	0.17	0.07	8.20	0.55	0.37	0.11
5.65	0.34	0.17	0.07	8.25	0.56	0.37	0.11
5.70	0.34	0.18	0.07	8.30	0.56	0.38	0.11
5.75	0.34	0.18	0.07	8.35	0.57	0.38	0.11
5.80	0.35	0.18	0.07	8.40	0.58	0.39	0.11
5.85	0.35	0.19	0.07	8.45	0.58	0.39	0.12
5.90	0.35	0.19	0.07	8.50	0.59	0.40	0.12
5.95	0.36	0.19	0.07	8.55	0.59	0.40	0.12
6.00	0.36	0.20	0.07	8.60	0.60	0.41	0.12
6.05	0.36	0.20	0.07	8.65	0.60	0.41	0.12
6.10	0.37	0.20	0.07	8.70	0.61	0.42	0.12
6.15	0.37	0.20	0.07	8.75	0.61	0.42	0.12
6.20	0.38	0.21	0.07	8.80	0.62	0.43	0.12
6.25	0.38	0.21	0.07	8.85	0.63	0.43	0.12
6.30	0.38	0.21	0.07	8.90	0.63	0.44	0.12
6.35	0.39	0.22	0.08	8.95	0.64	0.44	0.13
6.40	0.39	0.22	0.08	9.00	0.64	0.45	0.13
6.45	0.39	0.22	0.08	9.05	0.65	0.45	0.13
6.50	0.40	0.23	0.08	9.10	0.65	0.46	0.13
6.55	0.40	0.23	0.08	9.15	0.66	0.47	0.13
6.60	0.41	0.23	0.08	9.20	0.67	0.47	0.13
6.65	0.41	0.24	0.08	9.25	0.67	0.48	0.14
6.70	0.41	0.24	0.08	9.30	0.68	0.48	0.14
6.75	0.42	0.25	0.08	9.35	0.69	0.49	0.14
6.80	0.42	0.25	0.08	9.40	0.69	0.50	0.14
6.85	0.43	0.25	0.08	9.45	0.70	0.50	0.15
6.90	0.43	0.26	0.09	9.50	0.71	0.51	0.15
6.95	0.44	0.26	0.09	9.55	0.71	0.52	0.15
7.00	0.44	0.26	0.09	9.60	0.72	0.52	0.15
7.05	0.44	0.27	0.09	9.65	0.73	0.53	0.16
7.10	0.45	0.27	0.09	9.70	0.74	0.54	0.16
7.15	0.45	0.28	0.09	9.75	0.74	0.55	0.16
7.20	0.46	0.28	0.09	9.80	0.75	0.55	0.17
7.25	0.46	0.28	0.09	9.85	0.76	0.56	0.17
7.30	0.47	0.29	0.09	9.90	0.77	0.57	0.17
7.35	0.47	0.29	0.09	9.95	0.78	0.58	0.17
7.40	0.48	0.30	0.10	10.00	0.78	0.58	0.18
7.45	0.48	0.30	0.10	10.05	0.79	0.59	0.18
7.50	0.48	0.30	0.10	10.10	0.80	0.60	0.18
7.55	0.49	0.31	0.10	10.15	0.81	0.61	0.19

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.62	0.19	12.80	2.44	2.21	0.62
10.25	0.83	0.63	0.19	12.85	2.46	2.23	0.57
10.30	0.84	0.63	0.20	12.90	2.48	2.25	0.53
10.35	0.85	0.64	0.20	12.95	2.49	2.26	0.49
10.40	0.86	0.65	0.20	13.00	2.51	2.28	0.47
10.45	0.86	0.66	0.20	13.05	2.52	2.29	0.44
10.50	0.87	0.67	0.21	13.10	2.53	2.30	0.41
10.55	0.88	0.68	0.21	13.15	2.55	2.32	0.39
10.60	0.89	0.69	0.22	13.20	2.56	2.33	0.37
10.65	0.91	0.70	0.22	13.25	2.57	2.34	0.36
10.70	0.92	0.71	0.23	13.30	2.58	2.35	0.34
10.75	0.93	0.72	0.24	13.35	2.59	2.36	0.33
10.80	0.94	0.73	0.24	13.40	2.61	2.38	0.32
10.85	0.95	0.75	0.25	13.45	2.62	2.39	0.30
10.90	0.97	0.76	0.26	13.50	2.63	2.40	0.29
10.95	0.98	0.77	0.27	13.55	2.64	2.41	0.28
11.00	0.99	0.79	0.28	13.60	2.64	2.41	0.27
11.05	1.01	0.80	0.29	13.65	2.65	2.42	0.26
11.10	1.02	0.81	0.30	13.70	2.66	2.43	0.25
11.15	1.04	0.83	0.31	13.75	2.67	2.44	0.24
11.20	1.06	0.85	0.33	13.80	2.68	2.45	0.24
11.25	1.08	0.86	0.34	13.85	2.69	2.46	0.23
11.30	1.09	0.88	0.36	13.90	2.70	2.47	0.23
11.35	1.11	0.90	0.37	13.95	2.71	2.48	0.22
11.40	1.13	0.92	0.39	14.00	2.72	2.48	0.22
11.45	1.15	0.94	0.40	14.05	2.72	2.49	0.21
11.50	1.17	0.96	0.42	14.10	2.73	2.50	0.21
11.55	1.20	0.99	0.44	14.15	2.74	2.51	0.21
11.60	1.23	1.01	0.47	14.20	2.75	2.52	0.20
11.65	1.25	1.04	0.51	14.25	2.76	2.52	0.20
11.70	1.28	1.07	0.54	14.30	2.76	2.53	0.20
11.75	1.32	1.11	0.58	14.35	2.77	2.54	0.20
11.80	1.36	1.14	0.63	14.40	2.78	2.55	0.19
11.85	1.42	1.20	0.71	14.45	2.79	2.55	0.19
11.90	1.48	1.26	0.81	14.50	2.79	2.56	0.19
11.95	1.58	1.35	0.96	14.55	2.80	2.57	0.18
12.00	1.68	1.45	1.18	14.60	2.81	2.58	0.18
12.05	1.85	1.63	1.48	14.65	2.81	2.58	0.18
12.10	2.02	1.80	1.91	14.70	2.82	2.59	0.17
12.15	2.08	1.86	2.34	14.75	2.83	2.60	0.17
12.20	2.14	1.91	2.42	14.80	2.83	2.60	0.17
12.25	2.18	1.95	2.22	14.85	2.84	2.61	0.17
12.30	2.22	1.99	1.98	14.90	2.85	2.61	0.16
12.35	2.25	2.02	1.75	14.95	2.85	2.62	0.16
12.40	2.27	2.05	1.54	15.00	2.86	2.63	0.16
12.45	2.30	2.07	1.35	15.05	2.86	2.63	0.15
12.50	2.33	2.10	1.20	15.10	2.87	2.64	0.15
12.55	2.35	2.12	1.07	15.15	2.87	2.64	0.15
12.60	2.37	2.14	0.95	15.20	2.88	2.65	0.15
12.65	2.39	2.16	0.85	15.25	2.89	2.65	0.14
12.70	2.41	2.18	0.76	15.30	2.89	2.66	0.14
12.75	2.42	2.20	0.68	15.35	2.90	2.67	0.14

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	2.67	0.14	18.00	3.14	2.91	0.09
15.45	2.91	2.68	0.14	18.05	3.14	2.91	0.09
15.50	2.91	2.68	0.14	18.10	3.15	2.91	0.09
15.55	2.92	2.69	0.14	18.15	3.15	2.92	0.09
15.60	2.92	2.69	0.13	18.20	3.15	2.92	0.09
15.65	2.93	2.70	0.13	18.25	3.16	2.92	0.09
15.70	2.94	2.70	0.13	18.30	3.16	2.93	0.09
15.75	2.94	2.71	0.13	18.35	3.16	2.93	0.09
15.80	2.95	2.71	0.13	18.40	3.17	2.94	0.09
15.85	2.95	2.72	0.13	18.45	3.17	2.94	0.09
15.90	2.96	2.72	0.13	18.50	3.17	2.94	0.08
15.95	2.96	2.73	0.13	18.55	3.18	2.95	0.08
16.00	2.97	2.73	0.13	18.60	3.18	2.95	0.08
16.05	2.97	2.74	0.13	18.65	3.18	2.95	0.08
16.10	2.98	2.74	0.12	18.70	3.19	2.96	0.08
16.15	2.98	2.75	0.12	18.75	3.19	2.96	0.08
16.20	2.99	2.75	0.12	18.80	3.20	2.96	0.08
16.25	2.99	2.76	0.12	18.85	3.20	2.97	0.08
16.30	3.00	2.76	0.12	18.90	3.20	2.97	0.08
16.35	3.00	2.77	0.12	18.95	3.21	2.97	0.08
16.40	3.01	2.77	0.12	19.00	3.21	2.98	0.08
16.45	3.01	2.78	0.12	19.05	3.21	2.98	0.08
16.50	3.02	2.78	0.12	19.10	3.22	2.98	0.08
16.55	3.02	2.79	0.12	19.15	3.22	2.99	0.08
16.60	3.02	2.79	0.12	19.20	3.22	2.99	0.08
16.65	3.03	2.80	0.12	19.25	3.23	2.99	0.08
16.70	3.03	2.80	0.11	19.30	3.23	3.00	0.08
16.75	3.04	2.81	0.11	19.35	3.23	3.00	0.08
16.80	3.04	2.81	0.11	19.40	3.24	3.00	0.08
16.85	3.05	2.82	0.11	19.45	3.24	3.01	0.08
16.90	3.05	2.82	0.11	19.50	3.24	3.01	0.08
16.95	3.06	2.82	0.11	19.55	3.25	3.01	0.08
17.00	3.06	2.83	0.11	19.60	3.25	3.02	0.08
17.05	3.06	2.83	0.11	19.65	3.25	3.02	0.08
17.10	3.07	2.84	0.11	19.70	3.26	3.02	0.08
17.15	3.07	2.84	0.11	19.75	3.26	3.03	0.08
17.20	3.08	2.85	0.11	19.80	3.26	3.03	0.08
17.25	3.08	2.85	0.10	19.85	3.26	3.03	0.08
17.30	3.09	2.85	0.10	19.90	3.27	3.04	0.08
17.35	3.09	2.86	0.10	19.95	3.27	3.04	0.08
17.40	3.09	2.86	0.10	20.00	3.27	3.04	0.08
17.45	3.10	2.87	0.10	20.05	3.28	3.04	0.08
17.50	3.10	2.87	0.10	20.10	3.28	3.05	0.08
17.55	3.11	2.87	0.10	20.15	3.28	3.05	0.08
17.60	3.11	2.88	0.10	20.20	3.29	3.05	0.08
17.65	3.11	2.88	0.10	20.25	3.29	3.06	0.08
17.70	3.12	2.89	0.10	20.30	3.29	3.06	0.08
17.75	3.12	2.89	0.10	20.35	3.30	3.06	0.08
17.80	3.12	2.89	0.09	20.40	3.30	3.07	0.08
17.85	3.13	2.90	0.09	20.45	3.30	3.07	0.08
17.90	3.13	2.90	0.09	20.50	3.31	3.07	0.08
17.95	3.14	2.90	0.09	20.55	3.31	3.08	0.08

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	3.08	0.08	23.20	3.46	3.23	0.06
20.65	3.32	3.08	0.08	23.25	3.46	3.23	0.06
20.70	3.32	3.09	0.07	23.30	3.46	3.23	0.06
20.75	3.32	3.09	0.07	23.35	3.47	3.23	0.06
20.80	3.32	3.09	0.07	23.40	3.47	3.24	0.06
20.85	3.33	3.09	0.07	23.45	3.47	3.24	0.06
20.90	3.33	3.10	0.07	23.50	3.47	3.24	0.06
20.95	3.33	3.10	0.07	23.55	3.48	3.24	0.06
21.00	3.34	3.10	0.07	23.60	3.48	3.25	0.06
21.05	3.34	3.11	0.07	23.65	3.48	3.25	0.06
21.10	3.34	3.11	0.07	23.70	3.48	3.25	0.06
21.15	3.35	3.11	0.07	23.75	3.49	3.25	0.06
21.20	3.35	3.12	0.07	23.80	3.49	3.26	0.06
21.25	3.35	3.12	0.07	23.85	3.49	3.26	0.06
21.30	3.35	3.12	0.07	23.90	3.49	3.26	0.06
21.35	3.36	3.12	0.07	23.95	3.50	3.26	0.06
21.40	3.36	3.13	0.07	24.00	3.50	3.27	0.06
21.45	3.36	3.13	0.07	24.05	3.50	3.27	0.06
21.50	3.37	3.13	0.07	24.10	3.50	3.27	0.05
21.55	3.37	3.14	0.07	24.15	3.50	3.27	0.04
21.60	3.37	3.14	0.07	24.20	3.50	3.27	0.03
21.65	3.37	3.14	0.07	24.25	3.50	3.27	0.02
21.70	3.38	3.14	0.07	24.30	3.50	3.27	0.02
21.75	3.38	3.15	0.07	24.35	3.50	3.27	0.01
21.80	3.38	3.15	0.07	24.40	3.50	3.27	0.01
21.85	3.39	3.15	0.07	24.45	3.50	3.27	0.01
21.90	3.39	3.16	0.07	24.50	3.50	3.27	0.01
21.95	3.39	3.16	0.07	24.55	3.50	3.27	0.00
22.00	3.39	3.16	0.07	24.60	3.50	3.27	0.00
22.05	3.40	3.16	0.07	24.65	3.50	3.27	0.00
22.10	3.40	3.17	0.07	24.70	3.50	3.27	0.00
22.15	3.40	3.17	0.07	24.75	3.50	3.27	0.00
22.20	3.41	3.17	0.07	24.80	3.50	3.27	0.00
22.25	3.41	3.18	0.07	24.85	3.50	3.27	0.00
22.30	3.41	3.18	0.07	24.90	3.50	3.27	0.00
22.35	3.41	3.18	0.07	24.95	3.50	3.27	0.00
22.40	3.42	3.18	0.07	25.00	3.50	3.27	0.00
22.45	3.42	3.19	0.07	25.05	3.50	3.27	0.00
22.50	3.42	3.19	0.07	25.10	3.50	3.27	0.00
22.55	3.42	3.19	0.07	25.15	3.50	3.27	0.00
22.60	3.43	3.19	0.07	25.20	3.50	3.27	0.00
22.65	3.43	3.20	0.07	25.25	3.50	3.27	0.00
22.70	3.43	3.20	0.07	25.30	3.50	3.27	0.00
22.75	3.44	3.20	0.07	25.35	3.50	3.27	0.00
22.80	3.44	3.21	0.07	25.40	3.50	3.27	0.00
22.85	3.44	3.21	0.07	25.45	3.50	3.27	0.00
22.90	3.44	3.21	0.07	25.50	3.50	3.27	0.00
22.95	3.45	3.21	0.06	25.55	3.50	3.27	0.00
23.00	3.45	3.22	0.06	25.60	3.50	3.27	0.00
23.05	3.45	3.22	0.06	25.65	3.50	3.27	0.00
23.10	3.45	3.22	0.06	25.70	3.50	3.27	0.00
23.15	3.46	3.22	0.06	25.75	3.50	3.27	0.00

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	3.27	0.00	28.40	3.50	3.27	0.00
25.85	3.50	3.27	0.00	28.45	3.50	3.27	0.00
25.90	3.50	3.27	0.00	28.50	3.50	3.27	0.00
25.95	3.50	3.27	0.00	28.55	3.50	3.27	0.00
26.00	3.50	3.27	0.00	28.60	3.50	3.27	0.00
26.05	3.50	3.27	0.00	28.65	3.50	3.27	0.00
26.10	3.50	3.27	0.00	28.70	3.50	3.27	0.00
26.15	3.50	3.27	0.00	28.75	3.50	3.27	0.00
26.20	3.50	3.27	0.00	28.80	3.50	3.27	0.00
26.25	3.50	3.27	0.00	28.85	3.50	3.27	0.00
26.30	3.50	3.27	0.00	28.90	3.50	3.27	0.00
26.35	3.50	3.27	0.00	28.95	3.50	3.27	0.00
26.40	3.50	3.27	0.00	29.00	3.50	3.27	0.00
26.45	3.50	3.27	0.00	29.05	3.50	3.27	0.00
26.50	3.50	3.27	0.00	29.10	3.50	3.27	0.00
26.55	3.50	3.27	0.00	29.15	3.50	3.27	0.00
26.60	3.50	3.27	0.00	29.20	3.50	3.27	0.00
26.65	3.50	3.27	0.00	29.25	3.50	3.27	0.00
26.70	3.50	3.27	0.00	29.30	3.50	3.27	0.00
26.75	3.50	3.27	0.00	29.35	3.50	3.27	0.00
26.80	3.50	3.27	0.00	29.40	3.50	3.27	0.00
26.85	3.50	3.27	0.00	29.45	3.50	3.27	0.00
26.90	3.50	3.27	0.00	29.50	3.50	3.27	0.00
26.95	3.50	3.27	0.00	29.55	3.50	3.27	0.00
27.00	3.50	3.27	0.00	29.60	3.50	3.27	0.00
27.05	3.50	3.27	0.00	29.65	3.50	3.27	0.00
27.10	3.50	3.27	0.00	29.70	3.50	3.27	0.00
27.15	3.50	3.27	0.00	29.75	3.50	3.27	0.00
27.20	3.50	3.27	0.00	29.80	3.50	3.27	0.00
27.25	3.50	3.27	0.00	29.85	3.50	3.27	0.00
27.30	3.50	3.27	0.00	29.90	3.50	3.27	0.00
27.35	3.50	3.27	0.00	29.95	3.50	3.27	0.00
27.40	3.50	3.27	0.00	30.00	3.50	3.27	0.00
27.45	3.50	3.27	0.00				
27.50	3.50	3.27	0.00				
27.55	3.50	3.27	0.00				
27.60	3.50	3.27	0.00				
27.65	3.50	3.27	0.00				
27.70	3.50	3.27	0.00				
27.75	3.50	3.27	0.00				
27.80	3.50	3.27	0.00				
27.85	3.50	3.27	0.00				
27.90	3.50	3.27	0.00				
27.95	3.50	3.27	0.00				
28.00	3.50	3.27	0.00				
28.05	3.50	3.27	0.00				
28.10	3.50	3.27	0.00				
28.15	3.50	3.27	0.00				
28.20	3.50	3.27	0.00				
28.25	3.50	3.27	0.00				
28.30	3.50	3.27	0.00				
28.35	3.50	3.27	0.00				

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Summary for Subcatchment Basin 3 Pervious: Basin 3 - Pervious

Runoff = 0.01 cfs @ 24.05 hrs, Volume= 0.002 af, Depth= 0.01"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D 2 year Rainfall=3.50"

Area (ac)	CN	Description
* 3.300	39	lawn, A soils
3.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.00	0.00	7.60	0.49	0.00	0.00
5.05	0.29	0.00	0.00	7.65	0.50	0.00	0.00
5.10	0.30	0.00	0.00	7.70	0.50	0.00	0.00
5.15	0.30	0.00	0.00	7.75	0.51	0.00	0.00
5.20	0.30	0.00	0.00	7.80	0.51	0.00	0.00
5.25	0.31	0.00	0.00	7.85	0.52	0.00	0.00
5.30	0.31	0.00	0.00	7.90	0.52	0.00	0.00
5.35	0.32	0.00	0.00	7.95	0.53	0.00	0.00
5.40	0.32	0.00	0.00	8.00	0.53	0.00	0.00
5.45	0.32	0.00	0.00	8.05	0.54	0.00	0.00
5.50	0.33	0.00	0.00	8.10	0.54	0.00	0.00
5.55	0.33	0.00	0.00	8.15	0.55	0.00	0.00
5.60	0.33	0.00	0.00	8.20	0.55	0.00	0.00
5.65	0.34	0.00	0.00	8.25	0.56	0.00	0.00
5.70	0.34	0.00	0.00	8.30	0.56	0.00	0.00
5.75	0.34	0.00	0.00	8.35	0.57	0.00	0.00
5.80	0.35	0.00	0.00	8.40	0.58	0.00	0.00
5.85	0.35	0.00	0.00	8.45	0.58	0.00	0.00
5.90	0.35	0.00	0.00	8.50	0.59	0.00	0.00
5.95	0.36	0.00	0.00	8.55	0.59	0.00	0.00
6.00	0.36	0.00	0.00	8.60	0.60	0.00	0.00
6.05	0.36	0.00	0.00	8.65	0.60	0.00	0.00
6.10	0.37	0.00	0.00	8.70	0.61	0.00	0.00
6.15	0.37	0.00	0.00	8.75	0.61	0.00	0.00
6.20	0.38	0.00	0.00	8.80	0.62	0.00	0.00
6.25	0.38	0.00	0.00	8.85	0.63	0.00	0.00
6.30	0.38	0.00	0.00	8.90	0.63	0.00	0.00
6.35	0.39	0.00	0.00	8.95	0.64	0.00	0.00
6.40	0.39	0.00	0.00	9.00	0.64	0.00	0.00
6.45	0.39	0.00	0.00	9.05	0.65	0.00	0.00
6.50	0.40	0.00	0.00	9.10	0.65	0.00	0.00
6.55	0.40	0.00	0.00	9.15	0.66	0.00	0.00
6.60	0.41	0.00	0.00	9.20	0.67	0.00	0.00
6.65	0.41	0.00	0.00	9.25	0.67	0.00	0.00
6.70	0.41	0.00	0.00	9.30	0.68	0.00	0.00
6.75	0.42	0.00	0.00	9.35	0.69	0.00	0.00
6.80	0.42	0.00	0.00	9.40	0.69	0.00	0.00
6.85	0.43	0.00	0.00	9.45	0.70	0.00	0.00
6.90	0.43	0.00	0.00	9.50	0.71	0.00	0.00
6.95	0.44	0.00	0.00	9.55	0.71	0.00	0.00
7.00	0.44	0.00	0.00	9.60	0.72	0.00	0.00
7.05	0.44	0.00	0.00	9.65	0.73	0.00	0.00
7.10	0.45	0.00	0.00	9.70	0.74	0.00	0.00
7.15	0.45	0.00	0.00	9.75	0.74	0.00	0.00
7.20	0.46	0.00	0.00	9.80	0.75	0.00	0.00
7.25	0.46	0.00	0.00	9.85	0.76	0.00	0.00
7.30	0.47	0.00	0.00	9.90	0.77	0.00	0.00
7.35	0.47	0.00	0.00	9.95	0.78	0.00	0.00
7.40	0.48	0.00	0.00	10.00	0.78	0.00	0.00
7.45	0.48	0.00	0.00	10.05	0.79	0.00	0.00
7.50	0.48	0.00	0.00	10.10	0.80	0.00	0.00
7.55	0.49	0.00	0.00	10.15	0.81	0.00	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.00	0.00	12.80	2.44	0.00	0.00
10.25	0.83	0.00	0.00	12.85	2.46	0.00	0.00
10.30	0.84	0.00	0.00	12.90	2.48	0.00	0.00
10.35	0.85	0.00	0.00	12.95	2.49	0.00	0.00
10.40	0.86	0.00	0.00	13.00	2.51	0.00	0.00
10.45	0.86	0.00	0.00	13.05	2.52	0.00	0.00
10.50	0.87	0.00	0.00	13.10	2.53	0.00	0.00
10.55	0.88	0.00	0.00	13.15	2.55	0.00	0.00
10.60	0.89	0.00	0.00	13.20	2.56	0.00	0.00
10.65	0.91	0.00	0.00	13.25	2.57	0.00	0.00
10.70	0.92	0.00	0.00	13.30	2.58	0.00	0.00
10.75	0.93	0.00	0.00	13.35	2.59	0.00	0.00
10.80	0.94	0.00	0.00	13.40	2.61	0.00	0.00
10.85	0.95	0.00	0.00	13.45	2.62	0.00	0.00
10.90	0.97	0.00	0.00	13.50	2.63	0.00	0.00
10.95	0.98	0.00	0.00	13.55	2.64	0.00	0.00
11.00	0.99	0.00	0.00	13.60	2.64	0.00	0.00
11.05	1.01	0.00	0.00	13.65	2.65	0.00	0.00
11.10	1.02	0.00	0.00	13.70	2.66	0.00	0.00
11.15	1.04	0.00	0.00	13.75	2.67	0.00	0.00
11.20	1.06	0.00	0.00	13.80	2.68	0.00	0.00
11.25	1.08	0.00	0.00	13.85	2.69	0.00	0.00
11.30	1.09	0.00	0.00	13.90	2.70	0.00	0.00
11.35	1.11	0.00	0.00	13.95	2.71	0.00	0.00
11.40	1.13	0.00	0.00	14.00	2.72	0.00	0.00
11.45	1.15	0.00	0.00	14.05	2.72	0.00	0.00
11.50	1.17	0.00	0.00	14.10	2.73	0.00	0.00
11.55	1.20	0.00	0.00	14.15	2.74	0.00	0.00
11.60	1.23	0.00	0.00	14.20	2.75	0.00	0.00
11.65	1.25	0.00	0.00	14.25	2.76	0.00	0.00
11.70	1.28	0.00	0.00	14.30	2.76	0.00	0.00
11.75	1.32	0.00	0.00	14.35	2.77	0.00	0.00
11.80	1.36	0.00	0.00	14.40	2.78	0.00	0.00
11.85	1.42	0.00	0.00	14.45	2.79	0.00	0.00
11.90	1.48	0.00	0.00	14.50	2.79	0.00	0.00
11.95	1.58	0.00	0.00	14.55	2.80	0.00	0.00
12.00	1.68	0.00	0.00	14.60	2.81	0.00	0.00
12.05	1.85	0.00	0.00	14.65	2.81	0.00	0.00
12.10	2.02	0.00	0.00	14.70	2.82	0.00	0.00
12.15	2.08	0.00	0.00	14.75	2.83	0.00	0.00
12.20	2.14	0.00	0.00	14.80	2.83	0.00	0.00
12.25	2.18	0.00	0.00	14.85	2.84	0.00	0.00
12.30	2.22	0.00	0.00	14.90	2.85	0.00	0.00
12.35	2.25	0.00	0.00	14.95	2.85	0.00	0.00
12.40	2.27	0.00	0.00	15.00	2.86	0.00	0.00
12.45	2.30	0.00	0.00	15.05	2.86	0.00	0.00
12.50	2.33	0.00	0.00	15.10	2.87	0.00	0.00
12.55	2.35	0.00	0.00	15.15	2.87	0.00	0.00
12.60	2.37	0.00	0.00	15.20	2.88	0.00	0.00
12.65	2.39	0.00	0.00	15.25	2.89	0.00	0.00
12.70	2.41	0.00	0.00	15.30	2.89	0.00	0.00
12.75	2.42	0.00	0.00	15.35	2.90	0.00	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	0.00	0.00	18.00	3.14	0.00	0.00
15.45	2.91	0.00	0.00	18.05	3.14	0.00	0.00
15.50	2.91	0.00	0.00	18.10	3.15	0.00	0.00
15.55	2.92	0.00	0.00	18.15	3.15	0.00	0.00
15.60	2.92	0.00	0.00	18.20	3.15	0.00	0.00
15.65	2.93	0.00	0.00	18.25	3.16	0.00	0.00
15.70	2.94	0.00	0.00	18.30	3.16	0.00	0.00
15.75	2.94	0.00	0.00	18.35	3.16	0.00	0.00
15.80	2.95	0.00	0.00	18.40	3.17	0.00	0.00
15.85	2.95	0.00	0.00	18.45	3.17	0.00	0.00
15.90	2.96	0.00	0.00	18.50	3.17	0.00	0.00
15.95	2.96	0.00	0.00	18.55	3.18	0.00	0.00
16.00	2.97	0.00	0.00	18.60	3.18	0.00	0.00
16.05	2.97	0.00	0.00	18.65	3.18	0.00	0.00
16.10	2.98	0.00	0.00	18.70	3.19	0.00	0.00
16.15	2.98	0.00	0.00	18.75	3.19	0.00	0.00
16.20	2.99	0.00	0.00	18.80	3.20	0.00	0.00
16.25	2.99	0.00	0.00	18.85	3.20	0.00	0.00
16.30	3.00	0.00	0.00	18.90	3.20	0.00	0.00
16.35	3.00	0.00	0.00	18.95	3.21	0.00	0.00
16.40	3.01	0.00	0.00	19.00	3.21	0.00	0.00
16.45	3.01	0.00	0.00	19.05	3.21	0.00	0.00
16.50	3.02	0.00	0.00	19.10	3.22	0.00	0.00
16.55	3.02	0.00	0.00	19.15	3.22	0.00	0.00
16.60	3.02	0.00	0.00	19.20	3.22	0.00	0.00
16.65	3.03	0.00	0.00	19.25	3.23	0.00	0.00
16.70	3.03	0.00	0.00	19.30	3.23	0.00	0.00
16.75	3.04	0.00	0.00	19.35	3.23	0.00	0.00
16.80	3.04	0.00	0.00	19.40	3.24	0.00	0.00
16.85	3.05	0.00	0.00	19.45	3.24	0.00	0.00
16.90	3.05	0.00	0.00	19.50	3.24	0.00	0.00
16.95	3.06	0.00	0.00	19.55	3.25	0.00	0.00
17.00	3.06	0.00	0.00	19.60	3.25	0.00	0.00
17.05	3.06	0.00	0.00	19.65	3.25	0.00	0.00
17.10	3.07	0.00	0.00	19.70	3.26	0.00	0.00
17.15	3.07	0.00	0.00	19.75	3.26	0.00	0.00
17.20	3.08	0.00	0.00	19.80	3.26	0.00	0.00
17.25	3.08	0.00	0.00	19.85	3.26	0.00	0.00
17.30	3.09	0.00	0.00	19.90	3.27	0.00	0.00
17.35	3.09	0.00	0.00	19.95	3.27	0.00	0.00
17.40	3.09	0.00	0.00	20.00	3.27	0.00	0.00
17.45	3.10	0.00	0.00	20.05	3.28	0.00	0.00
17.50	3.10	0.00	0.00	20.10	3.28	0.00	0.00
17.55	3.11	0.00	0.00	20.15	3.28	0.00	0.00
17.60	3.11	0.00	0.00	20.20	3.29	0.00	0.00
17.65	3.11	0.00	0.00	20.25	3.29	0.00	0.00
17.70	3.12	0.00	0.00	20.30	3.29	0.00	0.00
17.75	3.12	0.00	0.00	20.35	3.30	0.00	0.00
17.80	3.12	0.00	0.00	20.40	3.30	0.00	0.00
17.85	3.13	0.00	0.00	20.45	3.30	0.00	0.00
17.90	3.13	0.00	0.00	20.50	3.31	0.00	0.00
17.95	3.14	0.00	0.00	20.55	3.31	0.00	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	0.00	0.00	23.20	3.46	0.01	0.01
20.65	3.32	0.00	0.00	23.25	3.46	0.01	0.01
20.70	3.32	0.00	0.00	23.30	3.46	0.01	0.01
20.75	3.32	0.00	0.00	23.35	3.47	0.01	0.01
20.80	3.32	0.00	0.00	23.40	3.47	0.01	0.01
20.85	3.33	0.00	0.00	23.45	3.47	0.01	0.01
20.90	3.33	0.00	0.00	23.50	3.47	0.01	0.01
20.95	3.33	0.00	0.00	23.55	3.48	0.01	0.01
21.00	3.34	0.00	0.00	23.60	3.48	0.01	0.01
21.05	3.34	0.00	0.00	23.65	3.48	0.01	0.01
21.10	3.34	0.00	0.00	23.70	3.48	0.01	0.01
21.15	3.35	0.00	0.00	23.75	3.49	0.01	0.01
21.20	3.35	0.00	0.00	23.80	3.49	0.01	0.01
21.25	3.35	0.00	0.00	23.85	3.49	0.01	0.01
21.30	3.35	0.00	0.00	23.90	3.49	0.01	0.01
21.35	3.36	0.00	0.00	23.95	3.50	0.01	0.01
21.40	3.36	0.00	0.00	24.00	3.50	0.01	0.01
21.45	3.36	0.00	0.00	24.05	3.50	0.01	0.01
21.50	3.37	0.00	0.00	24.10	3.50	0.01	0.01
21.55	3.37	0.00	0.01	24.15	3.50	0.01	0.01
21.60	3.37	0.00	0.01	24.20	3.50	0.01	0.01
21.65	3.37	0.00	0.01	24.25	3.50	0.01	0.01
21.70	3.38	0.00	0.01	24.30	3.50	0.01	0.01
21.75	3.38	0.00	0.01	24.35	3.50	0.01	0.01
21.80	3.38	0.00	0.01	24.40	3.50	0.01	0.01
21.85	3.39	0.00	0.01	24.45	3.50	0.01	0.00
21.90	3.39	0.00	0.01	24.50	3.50	0.01	0.00
21.95	3.39	0.00	0.01	24.55	3.50	0.01	0.00
22.00	3.39	0.00	0.01	24.60	3.50	0.01	0.00
22.05	3.40	0.00	0.01	24.65	3.50	0.01	0.00
22.10	3.40	0.00	0.01	24.70	3.50	0.01	0.00
22.15	3.40	0.00	0.01	24.75	3.50	0.01	0.00
22.20	3.41	0.00	0.01	24.80	3.50	0.01	0.00
22.25	3.41	0.00	0.01	24.85	3.50	0.01	0.00
22.30	3.41	0.01	0.01	24.90	3.50	0.01	0.00
22.35	3.41	0.01	0.01	24.95	3.50	0.01	0.00
22.40	3.42	0.01	0.01	25.00	3.50	0.01	0.00
22.45	3.42	0.01	0.01	25.05	3.50	0.01	0.00
22.50	3.42	0.01	0.01	25.10	3.50	0.01	0.00
22.55	3.42	0.01	0.01	25.15	3.50	0.01	0.00
22.60	3.43	0.01	0.01	25.20	3.50	0.01	0.00
22.65	3.43	0.01	0.01	25.25	3.50	0.01	0.00
22.70	3.43	0.01	0.01	25.30	3.50	0.01	0.00
22.75	3.44	0.01	0.01	25.35	3.50	0.01	0.00
22.80	3.44	0.01	0.01	25.40	3.50	0.01	0.00
22.85	3.44	0.01	0.01	25.45	3.50	0.01	0.00
22.90	3.44	0.01	0.01	25.50	3.50	0.01	0.00
22.95	3.45	0.01	0.01	25.55	3.50	0.01	0.00
23.00	3.45	0.01	0.01	25.60	3.50	0.01	0.00
23.05	3.45	0.01	0.01	25.65	3.50	0.01	0.00
23.10	3.45	0.01	0.01	25.70	3.50	0.01	0.00
23.15	3.46	0.01	0.01	25.75	3.50	0.01	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	0.01	0.00	28.40	3.50	0.01	0.00
25.85	3.50	0.01	0.00	28.45	3.50	0.01	0.00
25.90	3.50	0.01	0.00	28.50	3.50	0.01	0.00
25.95	3.50	0.01	0.00	28.55	3.50	0.01	0.00
26.00	3.50	0.01	0.00	28.60	3.50	0.01	0.00
26.05	3.50	0.01	0.00	28.65	3.50	0.01	0.00
26.10	3.50	0.01	0.00	28.70	3.50	0.01	0.00
26.15	3.50	0.01	0.00	28.75	3.50	0.01	0.00
26.20	3.50	0.01	0.00	28.80	3.50	0.01	0.00
26.25	3.50	0.01	0.00	28.85	3.50	0.01	0.00
26.30	3.50	0.01	0.00	28.90	3.50	0.01	0.00
26.35	3.50	0.01	0.00	28.95	3.50	0.01	0.00
26.40	3.50	0.01	0.00	29.00	3.50	0.01	0.00
26.45	3.50	0.01	0.00	29.05	3.50	0.01	0.00
26.50	3.50	0.01	0.00	29.10	3.50	0.01	0.00
26.55	3.50	0.01	0.00	29.15	3.50	0.01	0.00
26.60	3.50	0.01	0.00	29.20	3.50	0.01	0.00
26.65	3.50	0.01	0.00	29.25	3.50	0.01	0.00
26.70	3.50	0.01	0.00	29.30	3.50	0.01	0.00
26.75	3.50	0.01	0.00	29.35	3.50	0.01	0.00
26.80	3.50	0.01	0.00	29.40	3.50	0.01	0.00
26.85	3.50	0.01	0.00	29.45	3.50	0.01	0.00
26.90	3.50	0.01	0.00	29.50	3.50	0.01	0.00
26.95	3.50	0.01	0.00	29.55	3.50	0.01	0.00
27.00	3.50	0.01	0.00	29.60	3.50	0.01	0.00
27.05	3.50	0.01	0.00	29.65	3.50	0.01	0.00
27.10	3.50	0.01	0.00	29.70	3.50	0.01	0.00
27.15	3.50	0.01	0.00	29.75	3.50	0.01	0.00
27.20	3.50	0.01	0.00	29.80	3.50	0.01	0.00
27.25	3.50	0.01	0.00	29.85	3.50	0.01	0.00
27.30	3.50	0.01	0.00	29.90	3.50	0.01	0.00
27.35	3.50	0.01	0.00	29.95	3.50	0.01	0.00
27.40	3.50	0.01	0.00	30.00	3.50	0.01	0.00
27.45	3.50	0.01	0.00				
27.50	3.50	0.01	0.00				
27.55	3.50	0.01	0.00				
27.60	3.50	0.01	0.00				
27.65	3.50	0.01	0.00				
27.70	3.50	0.01	0.00				
27.75	3.50	0.01	0.00				
27.80	3.50	0.01	0.00				
27.85	3.50	0.01	0.00				
27.90	3.50	0.01	0.00				
27.95	3.50	0.01	0.00				
28.00	3.50	0.01	0.00				
28.05	3.50	0.01	0.00				
28.10	3.50	0.01	0.00				
28.15	3.50	0.01	0.00				
28.20	3.50	0.01	0.00				
28.25	3.50	0.01	0.00				
28.30	3.50	0.01	0.00				
28.35	3.50	0.01	0.00				

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Summary for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious

Runoff = 0.01 cfs @ 24.03 hrs, Volume= 0.002 af, Depth= 0.01"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 3.000	39	Lawn. A Soils
* 0.100	30	Woods A soils
3.100	39	Weighted Average
3.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	640	0.0100	1.61		Shallow Concentrated Flow, shallow concentrated Unpaved Kv= 16.1 fps
10.7	800	0.0060	1.25		Shallow Concentrated Flow, shallow concentrated Unpaved Kv= 16.1 fps
17.3	1,440	Total			

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.00	0.00	7.60	0.49	0.00	0.00
5.05	0.29	0.00	0.00	7.65	0.50	0.00	0.00
5.10	0.30	0.00	0.00	7.70	0.50	0.00	0.00
5.15	0.30	0.00	0.00	7.75	0.51	0.00	0.00
5.20	0.30	0.00	0.00	7.80	0.51	0.00	0.00
5.25	0.31	0.00	0.00	7.85	0.52	0.00	0.00
5.30	0.31	0.00	0.00	7.90	0.52	0.00	0.00
5.35	0.32	0.00	0.00	7.95	0.53	0.00	0.00
5.40	0.32	0.00	0.00	8.00	0.53	0.00	0.00
5.45	0.32	0.00	0.00	8.05	0.54	0.00	0.00
5.50	0.33	0.00	0.00	8.10	0.54	0.00	0.00
5.55	0.33	0.00	0.00	8.15	0.55	0.00	0.00
5.60	0.33	0.00	0.00	8.20	0.55	0.00	0.00
5.65	0.34	0.00	0.00	8.25	0.56	0.00	0.00
5.70	0.34	0.00	0.00	8.30	0.56	0.00	0.00
5.75	0.34	0.00	0.00	8.35	0.57	0.00	0.00
5.80	0.35	0.00	0.00	8.40	0.58	0.00	0.00
5.85	0.35	0.00	0.00	8.45	0.58	0.00	0.00
5.90	0.35	0.00	0.00	8.50	0.59	0.00	0.00
5.95	0.36	0.00	0.00	8.55	0.59	0.00	0.00
6.00	0.36	0.00	0.00	8.60	0.60	0.00	0.00
6.05	0.36	0.00	0.00	8.65	0.60	0.00	0.00
6.10	0.37	0.00	0.00	8.70	0.61	0.00	0.00
6.15	0.37	0.00	0.00	8.75	0.61	0.00	0.00
6.20	0.38	0.00	0.00	8.80	0.62	0.00	0.00
6.25	0.38	0.00	0.00	8.85	0.63	0.00	0.00
6.30	0.38	0.00	0.00	8.90	0.63	0.00	0.00
6.35	0.39	0.00	0.00	8.95	0.64	0.00	0.00
6.40	0.39	0.00	0.00	9.00	0.64	0.00	0.00
6.45	0.39	0.00	0.00	9.05	0.65	0.00	0.00
6.50	0.40	0.00	0.00	9.10	0.65	0.00	0.00
6.55	0.40	0.00	0.00	9.15	0.66	0.00	0.00
6.60	0.41	0.00	0.00	9.20	0.67	0.00	0.00
6.65	0.41	0.00	0.00	9.25	0.67	0.00	0.00
6.70	0.41	0.00	0.00	9.30	0.68	0.00	0.00
6.75	0.42	0.00	0.00	9.35	0.69	0.00	0.00
6.80	0.42	0.00	0.00	9.40	0.69	0.00	0.00
6.85	0.43	0.00	0.00	9.45	0.70	0.00	0.00
6.90	0.43	0.00	0.00	9.50	0.71	0.00	0.00
6.95	0.44	0.00	0.00	9.55	0.71	0.00	0.00
7.00	0.44	0.00	0.00	9.60	0.72	0.00	0.00
7.05	0.44	0.00	0.00	9.65	0.73	0.00	0.00
7.10	0.45	0.00	0.00	9.70	0.74	0.00	0.00
7.15	0.45	0.00	0.00	9.75	0.74	0.00	0.00
7.20	0.46	0.00	0.00	9.80	0.75	0.00	0.00
7.25	0.46	0.00	0.00	9.85	0.76	0.00	0.00
7.30	0.47	0.00	0.00	9.90	0.77	0.00	0.00
7.35	0.47	0.00	0.00	9.95	0.78	0.00	0.00
7.40	0.48	0.00	0.00	10.00	0.78	0.00	0.00
7.45	0.48	0.00	0.00	10.05	0.79	0.00	0.00
7.50	0.48	0.00	0.00	10.10	0.80	0.00	0.00
7.55	0.49	0.00	0.00	10.15	0.81	0.00	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.00	0.00	12.80	2.44	0.00	0.00
10.25	0.83	0.00	0.00	12.85	2.46	0.00	0.00
10.30	0.84	0.00	0.00	12.90	2.48	0.00	0.00
10.35	0.85	0.00	0.00	12.95	2.49	0.00	0.00
10.40	0.86	0.00	0.00	13.00	2.51	0.00	0.00
10.45	0.86	0.00	0.00	13.05	2.52	0.00	0.00
10.50	0.87	0.00	0.00	13.10	2.53	0.00	0.00
10.55	0.88	0.00	0.00	13.15	2.55	0.00	0.00
10.60	0.89	0.00	0.00	13.20	2.56	0.00	0.00
10.65	0.91	0.00	0.00	13.25	2.57	0.00	0.00
10.70	0.92	0.00	0.00	13.30	2.58	0.00	0.00
10.75	0.93	0.00	0.00	13.35	2.59	0.00	0.00
10.80	0.94	0.00	0.00	13.40	2.61	0.00	0.00
10.85	0.95	0.00	0.00	13.45	2.62	0.00	0.00
10.90	0.97	0.00	0.00	13.50	2.63	0.00	0.00
10.95	0.98	0.00	0.00	13.55	2.64	0.00	0.00
11.00	0.99	0.00	0.00	13.60	2.64	0.00	0.00
11.05	1.01	0.00	0.00	13.65	2.65	0.00	0.00
11.10	1.02	0.00	0.00	13.70	2.66	0.00	0.00
11.15	1.04	0.00	0.00	13.75	2.67	0.00	0.00
11.20	1.06	0.00	0.00	13.80	2.68	0.00	0.00
11.25	1.08	0.00	0.00	13.85	2.69	0.00	0.00
11.30	1.09	0.00	0.00	13.90	2.70	0.00	0.00
11.35	1.11	0.00	0.00	13.95	2.71	0.00	0.00
11.40	1.13	0.00	0.00	14.00	2.72	0.00	0.00
11.45	1.15	0.00	0.00	14.05	2.72	0.00	0.00
11.50	1.17	0.00	0.00	14.10	2.73	0.00	0.00
11.55	1.20	0.00	0.00	14.15	2.74	0.00	0.00
11.60	1.23	0.00	0.00	14.20	2.75	0.00	0.00
11.65	1.25	0.00	0.00	14.25	2.76	0.00	0.00
11.70	1.28	0.00	0.00	14.30	2.76	0.00	0.00
11.75	1.32	0.00	0.00	14.35	2.77	0.00	0.00
11.80	1.36	0.00	0.00	14.40	2.78	0.00	0.00
11.85	1.42	0.00	0.00	14.45	2.79	0.00	0.00
11.90	1.48	0.00	0.00	14.50	2.79	0.00	0.00
11.95	1.58	0.00	0.00	14.55	2.80	0.00	0.00
12.00	1.68	0.00	0.00	14.60	2.81	0.00	0.00
12.05	1.85	0.00	0.00	14.65	2.81	0.00	0.00
12.10	2.02	0.00	0.00	14.70	2.82	0.00	0.00
12.15	2.08	0.00	0.00	14.75	2.83	0.00	0.00
12.20	2.14	0.00	0.00	14.80	2.83	0.00	0.00
12.25	2.18	0.00	0.00	14.85	2.84	0.00	0.00
12.30	2.22	0.00	0.00	14.90	2.85	0.00	0.00
12.35	2.25	0.00	0.00	14.95	2.85	0.00	0.00
12.40	2.27	0.00	0.00	15.00	2.86	0.00	0.00
12.45	2.30	0.00	0.00	15.05	2.86	0.00	0.00
12.50	2.33	0.00	0.00	15.10	2.87	0.00	0.00
12.55	2.35	0.00	0.00	15.15	2.87	0.00	0.00
12.60	2.37	0.00	0.00	15.20	2.88	0.00	0.00
12.65	2.39	0.00	0.00	15.25	2.89	0.00	0.00
12.70	2.41	0.00	0.00	15.30	2.89	0.00	0.00
12.75	2.42	0.00	0.00	15.35	2.90	0.00	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	0.00	0.00	18.00	3.14	0.00	0.00
15.45	2.91	0.00	0.00	18.05	3.14	0.00	0.00
15.50	2.91	0.00	0.00	18.10	3.15	0.00	0.00
15.55	2.92	0.00	0.00	18.15	3.15	0.00	0.00
15.60	2.92	0.00	0.00	18.20	3.15	0.00	0.00
15.65	2.93	0.00	0.00	18.25	3.16	0.00	0.00
15.70	2.94	0.00	0.00	18.30	3.16	0.00	0.00
15.75	2.94	0.00	0.00	18.35	3.16	0.00	0.00
15.80	2.95	0.00	0.00	18.40	3.17	0.00	0.00
15.85	2.95	0.00	0.00	18.45	3.17	0.00	0.00
15.90	2.96	0.00	0.00	18.50	3.17	0.00	0.00
15.95	2.96	0.00	0.00	18.55	3.18	0.00	0.00
16.00	2.97	0.00	0.00	18.60	3.18	0.00	0.00
16.05	2.97	0.00	0.00	18.65	3.18	0.00	0.00
16.10	2.98	0.00	0.00	18.70	3.19	0.00	0.00
16.15	2.98	0.00	0.00	18.75	3.19	0.00	0.00
16.20	2.99	0.00	0.00	18.80	3.20	0.00	0.00
16.25	2.99	0.00	0.00	18.85	3.20	0.00	0.00
16.30	3.00	0.00	0.00	18.90	3.20	0.00	0.00
16.35	3.00	0.00	0.00	18.95	3.21	0.00	0.00
16.40	3.01	0.00	0.00	19.00	3.21	0.00	0.00
16.45	3.01	0.00	0.00	19.05	3.21	0.00	0.00
16.50	3.02	0.00	0.00	19.10	3.22	0.00	0.00
16.55	3.02	0.00	0.00	19.15	3.22	0.00	0.00
16.60	3.02	0.00	0.00	19.20	3.22	0.00	0.00
16.65	3.03	0.00	0.00	19.25	3.23	0.00	0.00
16.70	3.03	0.00	0.00	19.30	3.23	0.00	0.00
16.75	3.04	0.00	0.00	19.35	3.23	0.00	0.00
16.80	3.04	0.00	0.00	19.40	3.24	0.00	0.00
16.85	3.05	0.00	0.00	19.45	3.24	0.00	0.00
16.90	3.05	0.00	0.00	19.50	3.24	0.00	0.00
16.95	3.06	0.00	0.00	19.55	3.25	0.00	0.00
17.00	3.06	0.00	0.00	19.60	3.25	0.00	0.00
17.05	3.06	0.00	0.00	19.65	3.25	0.00	0.00
17.10	3.07	0.00	0.00	19.70	3.26	0.00	0.00
17.15	3.07	0.00	0.00	19.75	3.26	0.00	0.00
17.20	3.08	0.00	0.00	19.80	3.26	0.00	0.00
17.25	3.08	0.00	0.00	19.85	3.26	0.00	0.00
17.30	3.09	0.00	0.00	19.90	3.27	0.00	0.00
17.35	3.09	0.00	0.00	19.95	3.27	0.00	0.00
17.40	3.09	0.00	0.00	20.00	3.27	0.00	0.00
17.45	3.10	0.00	0.00	20.05	3.28	0.00	0.00
17.50	3.10	0.00	0.00	20.10	3.28	0.00	0.00
17.55	3.11	0.00	0.00	20.15	3.28	0.00	0.00
17.60	3.11	0.00	0.00	20.20	3.29	0.00	0.00
17.65	3.11	0.00	0.00	20.25	3.29	0.00	0.00
17.70	3.12	0.00	0.00	20.30	3.29	0.00	0.00
17.75	3.12	0.00	0.00	20.35	3.30	0.00	0.00
17.80	3.12	0.00	0.00	20.40	3.30	0.00	0.00
17.85	3.13	0.00	0.00	20.45	3.30	0.00	0.00
17.90	3.13	0.00	0.00	20.50	3.31	0.00	0.00
17.95	3.14	0.00	0.00	20.55	3.31	0.00	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	0.00	0.00	23.20	3.46	0.01	0.01
20.65	3.32	0.00	0.00	23.25	3.46	0.01	0.01
20.70	3.32	0.00	0.00	23.30	3.46	0.01	0.01
20.75	3.32	0.00	0.00	23.35	3.47	0.01	0.01
20.80	3.32	0.00	0.00	23.40	3.47	0.01	0.01
20.85	3.33	0.00	0.00	23.45	3.47	0.01	0.01
20.90	3.33	0.00	0.00	23.50	3.47	0.01	0.01
20.95	3.33	0.00	0.00	23.55	3.48	0.01	0.01
21.00	3.34	0.00	0.00	23.60	3.48	0.01	0.01
21.05	3.34	0.00	0.00	23.65	3.48	0.01	0.01
21.10	3.34	0.00	0.00	23.70	3.48	0.01	0.01
21.15	3.35	0.00	0.00	23.75	3.49	0.01	0.01
21.20	3.35	0.00	0.00	23.80	3.49	0.01	0.01
21.25	3.35	0.00	0.00	23.85	3.49	0.01	0.01
21.30	3.35	0.00	0.00	23.90	3.49	0.01	0.01
21.35	3.36	0.00	0.00	23.95	3.50	0.01	0.01
21.40	3.36	0.00	0.00	24.00	3.50	0.01	0.01
21.45	3.36	0.00	0.00	24.05	3.50	0.01	0.01
21.50	3.37	0.00	0.00	24.10	3.50	0.01	0.01
21.55	3.37	0.00	0.01	24.15	3.50	0.01	0.01
21.60	3.37	0.00	0.01	24.20	3.50	0.01	0.01
21.65	3.37	0.00	0.01	24.25	3.50	0.01	0.00
21.70	3.38	0.00	0.01	24.30	3.50	0.01	0.00
21.75	3.38	0.00	0.01	24.35	3.50	0.01	0.00
21.80	3.38	0.00	0.01	24.40	3.50	0.01	0.00
21.85	3.39	0.00	0.01	24.45	3.50	0.01	0.00
21.90	3.39	0.00	0.01	24.50	3.50	0.01	0.00
21.95	3.39	0.00	0.01	24.55	3.50	0.01	0.00
22.00	3.39	0.00	0.01	24.60	3.50	0.01	0.00
22.05	3.40	0.00	0.01	24.65	3.50	0.01	0.00
22.10	3.40	0.00	0.01	24.70	3.50	0.01	0.00
22.15	3.40	0.00	0.01	24.75	3.50	0.01	0.00
22.20	3.41	0.00	0.01	24.80	3.50	0.01	0.00
22.25	3.41	0.00	0.01	24.85	3.50	0.01	0.00
22.30	3.41	0.01	0.01	24.90	3.50	0.01	0.00
22.35	3.41	0.01	0.01	24.95	3.50	0.01	0.00
22.40	3.42	0.01	0.01	25.00	3.50	0.01	0.00
22.45	3.42	0.01	0.01	25.05	3.50	0.01	0.00
22.50	3.42	0.01	0.01	25.10	3.50	0.01	0.00
22.55	3.42	0.01	0.01	25.15	3.50	0.01	0.00
22.60	3.43	0.01	0.01	25.20	3.50	0.01	0.00
22.65	3.43	0.01	0.01	25.25	3.50	0.01	0.00
22.70	3.43	0.01	0.01	25.30	3.50	0.01	0.00
22.75	3.44	0.01	0.01	25.35	3.50	0.01	0.00
22.80	3.44	0.01	0.01	25.40	3.50	0.01	0.00
22.85	3.44	0.01	0.01	25.45	3.50	0.01	0.00
22.90	3.44	0.01	0.01	25.50	3.50	0.01	0.00
22.95	3.45	0.01	0.01	25.55	3.50	0.01	0.00
23.00	3.45	0.01	0.01	25.60	3.50	0.01	0.00
23.05	3.45	0.01	0.01	25.65	3.50	0.01	0.00
23.10	3.45	0.01	0.01	25.70	3.50	0.01	0.00
23.15	3.46	0.01	0.01	25.75	3.50	0.01	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	0.01	0.00	28.40	3.50	0.01	0.00
25.85	3.50	0.01	0.00	28.45	3.50	0.01	0.00
25.90	3.50	0.01	0.00	28.50	3.50	0.01	0.00
25.95	3.50	0.01	0.00	28.55	3.50	0.01	0.00
26.00	3.50	0.01	0.00	28.60	3.50	0.01	0.00
26.05	3.50	0.01	0.00	28.65	3.50	0.01	0.00
26.10	3.50	0.01	0.00	28.70	3.50	0.01	0.00
26.15	3.50	0.01	0.00	28.75	3.50	0.01	0.00
26.20	3.50	0.01	0.00	28.80	3.50	0.01	0.00
26.25	3.50	0.01	0.00	28.85	3.50	0.01	0.00
26.30	3.50	0.01	0.00	28.90	3.50	0.01	0.00
26.35	3.50	0.01	0.00	28.95	3.50	0.01	0.00
26.40	3.50	0.01	0.00	29.00	3.50	0.01	0.00
26.45	3.50	0.01	0.00	29.05	3.50	0.01	0.00
26.50	3.50	0.01	0.00	29.10	3.50	0.01	0.00
26.55	3.50	0.01	0.00	29.15	3.50	0.01	0.00
26.60	3.50	0.01	0.00	29.20	3.50	0.01	0.00
26.65	3.50	0.01	0.00	29.25	3.50	0.01	0.00
26.70	3.50	0.01	0.00	29.30	3.50	0.01	0.00
26.75	3.50	0.01	0.00	29.35	3.50	0.01	0.00
26.80	3.50	0.01	0.00	29.40	3.50	0.01	0.00
26.85	3.50	0.01	0.00	29.45	3.50	0.01	0.00
26.90	3.50	0.01	0.00	29.50	3.50	0.01	0.00
26.95	3.50	0.01	0.00	29.55	3.50	0.01	0.00
27.00	3.50	0.01	0.00	29.60	3.50	0.01	0.00
27.05	3.50	0.01	0.00	29.65	3.50	0.01	0.00
27.10	3.50	0.01	0.00	29.70	3.50	0.01	0.00
27.15	3.50	0.01	0.00	29.75	3.50	0.01	0.00
27.20	3.50	0.01	0.00	29.80	3.50	0.01	0.00
27.25	3.50	0.01	0.00	29.85	3.50	0.01	0.00
27.30	3.50	0.01	0.00	29.90	3.50	0.01	0.00
27.35	3.50	0.01	0.00	29.95	3.50	0.01	0.00
27.40	3.50	0.01	0.00	30.00	3.50	0.01	0.00
27.45	3.50	0.01	0.00				
27.50	3.50	0.01	0.00				
27.55	3.50	0.01	0.00				
27.60	3.50	0.01	0.00				
27.65	3.50	0.01	0.00				
27.70	3.50	0.01	0.00				
27.75	3.50	0.01	0.00				
27.80	3.50	0.01	0.00				
27.85	3.50	0.01	0.00				
27.90	3.50	0.01	0.00				
27.95	3.50	0.01	0.00				
28.00	3.50	0.01	0.00				
28.05	3.50	0.01	0.00				
28.10	3.50	0.01	0.00				
28.15	3.50	0.01	0.00				
28.20	3.50	0.01	0.00				
28.25	3.50	0.01	0.00				
28.30	3.50	0.01	0.00				
28.35	3.50	0.01	0.00				

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Summary for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp

Runoff = 2.23 cfs @ 12.19 hrs, Volume= 0.288 af, Depth> 3.14"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D 2 year Rainfall=3.50"

Area (ac)	CN	Description
* 0.300	98	Pavement
* 0.200	98	Driveways
* 0.600	98	Roof
1.100	98	Weighted Average
1.100		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.14	0.06	7.60	0.49	0.31	0.09
5.05	0.29	0.14	0.06	7.65	0.50	0.32	0.09
5.10	0.30	0.14	0.06	7.70	0.50	0.32	0.09
5.15	0.30	0.15	0.06	7.75	0.51	0.33	0.09
5.20	0.30	0.15	0.06	7.80	0.51	0.33	0.09
5.25	0.31	0.15	0.06	7.85	0.52	0.33	0.10
5.30	0.31	0.15	0.06	7.90	0.52	0.34	0.10
5.35	0.32	0.16	0.06	7.95	0.53	0.34	0.10
5.40	0.32	0.16	0.06	8.00	0.53	0.35	0.10
5.45	0.32	0.16	0.06	8.05	0.54	0.35	0.10
5.50	0.33	0.17	0.06	8.10	0.54	0.36	0.10
5.55	0.33	0.17	0.06	8.15	0.55	0.36	0.10
5.60	0.33	0.17	0.06	8.20	0.55	0.37	0.10
5.65	0.34	0.17	0.06	8.25	0.56	0.37	0.10
5.70	0.34	0.18	0.06	8.30	0.56	0.38	0.10
5.75	0.34	0.18	0.06	8.35	0.57	0.38	0.10
5.80	0.35	0.18	0.06	8.40	0.58	0.39	0.11
5.85	0.35	0.19	0.06	8.45	0.58	0.39	0.11
5.90	0.35	0.19	0.06	8.50	0.59	0.40	0.11
5.95	0.36	0.19	0.06	8.55	0.59	0.40	0.11
6.00	0.36	0.20	0.07	8.60	0.60	0.41	0.11
6.05	0.36	0.20	0.07	8.65	0.60	0.41	0.11
6.10	0.37	0.20	0.07	8.70	0.61	0.42	0.11
6.15	0.37	0.20	0.07	8.75	0.61	0.42	0.11
6.20	0.38	0.21	0.07	8.80	0.62	0.43	0.11
6.25	0.38	0.21	0.07	8.85	0.63	0.43	0.11
6.30	0.38	0.21	0.07	8.90	0.63	0.44	0.11
6.35	0.39	0.22	0.07	8.95	0.64	0.44	0.12
6.40	0.39	0.22	0.07	9.00	0.64	0.45	0.12
6.45	0.39	0.22	0.07	9.05	0.65	0.45	0.12
6.50	0.40	0.23	0.07	9.10	0.65	0.46	0.12
6.55	0.40	0.23	0.07	9.15	0.66	0.47	0.12
6.60	0.41	0.23	0.07	9.20	0.67	0.47	0.12
6.65	0.41	0.24	0.07	9.25	0.67	0.48	0.12
6.70	0.41	0.24	0.08	9.30	0.68	0.48	0.13
6.75	0.42	0.25	0.08	9.35	0.69	0.49	0.13
6.80	0.42	0.25	0.08	9.40	0.69	0.50	0.13
6.85	0.43	0.25	0.08	9.45	0.70	0.50	0.13
6.90	0.43	0.26	0.08	9.50	0.71	0.51	0.14
6.95	0.44	0.26	0.08	9.55	0.71	0.52	0.14
7.00	0.44	0.26	0.08	9.60	0.72	0.52	0.14
7.05	0.44	0.27	0.08	9.65	0.73	0.53	0.14
7.10	0.45	0.27	0.08	9.70	0.74	0.54	0.15
7.15	0.45	0.28	0.08	9.75	0.74	0.55	0.15
7.20	0.46	0.28	0.08	9.80	0.75	0.55	0.15
7.25	0.46	0.28	0.08	9.85	0.76	0.56	0.15
7.30	0.47	0.29	0.09	9.90	0.77	0.57	0.16
7.35	0.47	0.29	0.09	9.95	0.78	0.58	0.16
7.40	0.48	0.30	0.09	10.00	0.78	0.58	0.16
7.45	0.48	0.30	0.09	10.05	0.79	0.59	0.17
7.50	0.48	0.30	0.09	10.10	0.80	0.60	0.17
7.55	0.49	0.31	0.09	10.15	0.81	0.61	0.17

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.62	0.17	12.80	2.44	2.21	0.57
10.25	0.83	0.63	0.18	12.85	2.46	2.23	0.52
10.30	0.84	0.63	0.18	12.90	2.48	2.25	0.48
10.35	0.85	0.64	0.18	12.95	2.49	2.26	0.45
10.40	0.86	0.65	0.18	13.00	2.51	2.28	0.43
10.45	0.86	0.66	0.19	13.05	2.52	2.29	0.40
10.50	0.87	0.67	0.19	13.10	2.53	2.30	0.38
10.55	0.88	0.68	0.19	13.15	2.55	2.32	0.36
10.60	0.89	0.69	0.20	13.20	2.56	2.33	0.34
10.65	0.91	0.70	0.20	13.25	2.57	2.34	0.33
10.70	0.92	0.71	0.21	13.30	2.58	2.35	0.31
10.75	0.93	0.72	0.22	13.35	2.59	2.36	0.30
10.80	0.94	0.73	0.22	13.40	2.61	2.38	0.29
10.85	0.95	0.75	0.23	13.45	2.62	2.39	0.28
10.90	0.97	0.76	0.24	13.50	2.63	2.40	0.27
10.95	0.98	0.77	0.25	13.55	2.64	2.41	0.26
11.00	0.99	0.79	0.26	13.60	2.64	2.41	0.25
11.05	1.01	0.80	0.27	13.65	2.65	2.42	0.24
11.10	1.02	0.81	0.28	13.70	2.66	2.43	0.23
11.15	1.04	0.83	0.29	13.75	2.67	2.44	0.22
11.20	1.06	0.85	0.30	13.80	2.68	2.45	0.22
11.25	1.08	0.86	0.31	13.85	2.69	2.46	0.21
11.30	1.09	0.88	0.33	13.90	2.70	2.47	0.21
11.35	1.11	0.90	0.34	13.95	2.71	2.48	0.20
11.40	1.13	0.92	0.36	14.00	2.72	2.48	0.20
11.45	1.15	0.94	0.37	14.05	2.72	2.49	0.20
11.50	1.17	0.96	0.38	14.10	2.73	2.50	0.19
11.55	1.20	0.99	0.40	14.15	2.74	2.51	0.19
11.60	1.23	1.01	0.43	14.20	2.75	2.52	0.19
11.65	1.25	1.04	0.46	14.25	2.76	2.52	0.18
11.70	1.28	1.07	0.50	14.30	2.76	2.53	0.18
11.75	1.32	1.11	0.53	14.35	2.77	2.54	0.18
11.80	1.36	1.14	0.58	14.40	2.78	2.55	0.18
11.85	1.42	1.20	0.65	14.45	2.79	2.55	0.17
11.90	1.48	1.26	0.75	14.50	2.79	2.56	0.17
11.95	1.58	1.35	0.88	14.55	2.80	2.57	0.17
12.00	1.68	1.45	1.08	14.60	2.81	2.58	0.17
12.05	1.85	1.63	1.36	14.65	2.81	2.58	0.16
12.10	2.02	1.80	1.75	14.70	2.82	2.59	0.16
12.15	2.08	1.86	2.15	14.75	2.83	2.60	0.16
12.20	2.14	1.91	2.22	14.80	2.83	2.60	0.15
12.25	2.18	1.95	2.04	14.85	2.84	2.61	0.15
12.30	2.22	1.99	1.81	14.90	2.85	2.61	0.15
12.35	2.25	2.02	1.60	14.95	2.85	2.62	0.15
12.40	2.27	2.05	1.41	15.00	2.86	2.63	0.14
12.45	2.30	2.07	1.24	15.05	2.86	2.63	0.14
12.50	2.33	2.10	1.10	15.10	2.87	2.64	0.14
12.55	2.35	2.12	0.98	15.15	2.87	2.64	0.14
12.60	2.37	2.14	0.87	15.20	2.88	2.65	0.13
12.65	2.39	2.16	0.78	15.25	2.89	2.65	0.13
12.70	2.41	2.18	0.69	15.30	2.89	2.66	0.13
12.75	2.42	2.20	0.62	15.35	2.90	2.67	0.13

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	2.67	0.13	18.00	3.14	2.91	0.08
15.45	2.91	2.68	0.13	18.05	3.14	2.91	0.08
15.50	2.91	2.68	0.13	18.10	3.15	2.91	0.08
15.55	2.92	2.69	0.12	18.15	3.15	2.92	0.08
15.60	2.92	2.69	0.12	18.20	3.15	2.92	0.08
15.65	2.93	2.70	0.12	18.25	3.16	2.92	0.08
15.70	2.94	2.70	0.12	18.30	3.16	2.93	0.08
15.75	2.94	2.71	0.12	18.35	3.16	2.93	0.08
15.80	2.95	2.71	0.12	18.40	3.17	2.94	0.08
15.85	2.95	2.72	0.12	18.45	3.17	2.94	0.08
15.90	2.96	2.72	0.12	18.50	3.17	2.94	0.08
15.95	2.96	2.73	0.12	18.55	3.18	2.95	0.08
16.00	2.97	2.73	0.12	18.60	3.18	2.95	0.08
16.05	2.97	2.74	0.12	18.65	3.18	2.95	0.08
16.10	2.98	2.74	0.11	18.70	3.19	2.96	0.08
16.15	2.98	2.75	0.11	18.75	3.19	2.96	0.08
16.20	2.99	2.75	0.11	18.80	3.20	2.96	0.08
16.25	2.99	2.76	0.11	18.85	3.20	2.97	0.08
16.30	3.00	2.76	0.11	18.90	3.20	2.97	0.08
16.35	3.00	2.77	0.11	18.95	3.21	2.97	0.08
16.40	3.01	2.77	0.11	19.00	3.21	2.98	0.08
16.45	3.01	2.78	0.11	19.05	3.21	2.98	0.08
16.50	3.02	2.78	0.11	19.10	3.22	2.98	0.08
16.55	3.02	2.79	0.11	19.15	3.22	2.99	0.07
16.60	3.02	2.79	0.11	19.20	3.22	2.99	0.07
16.65	3.03	2.80	0.11	19.25	3.23	2.99	0.07
16.70	3.03	2.80	0.10	19.30	3.23	3.00	0.07
16.75	3.04	2.81	0.10	19.35	3.23	3.00	0.07
16.80	3.04	2.81	0.10	19.40	3.24	3.00	0.07
16.85	3.05	2.82	0.10	19.45	3.24	3.01	0.07
16.90	3.05	2.82	0.10	19.50	3.24	3.01	0.07
16.95	3.06	2.82	0.10	19.55	3.25	3.01	0.07
17.00	3.06	2.83	0.10	19.60	3.25	3.02	0.07
17.05	3.06	2.83	0.10	19.65	3.25	3.02	0.07
17.10	3.07	2.84	0.10	19.70	3.26	3.02	0.07
17.15	3.07	2.84	0.10	19.75	3.26	3.03	0.07
17.20	3.08	2.85	0.10	19.80	3.26	3.03	0.07
17.25	3.08	2.85	0.10	19.85	3.26	3.03	0.07
17.30	3.09	2.85	0.09	19.90	3.27	3.04	0.07
17.35	3.09	2.86	0.09	19.95	3.27	3.04	0.07
17.40	3.09	2.86	0.09	20.00	3.27	3.04	0.07
17.45	3.10	2.87	0.09	20.05	3.28	3.04	0.07
17.50	3.10	2.87	0.09	20.10	3.28	3.05	0.07
17.55	3.11	2.87	0.09	20.15	3.28	3.05	0.07
17.60	3.11	2.88	0.09	20.20	3.29	3.05	0.07
17.65	3.11	2.88	0.09	20.25	3.29	3.06	0.07
17.70	3.12	2.89	0.09	20.30	3.29	3.06	0.07
17.75	3.12	2.89	0.09	20.35	3.30	3.06	0.07
17.80	3.12	2.89	0.09	20.40	3.30	3.07	0.07
17.85	3.13	2.90	0.09	20.45	3.30	3.07	0.07
17.90	3.13	2.90	0.09	20.50	3.31	3.07	0.07
17.95	3.14	2.90	0.08	20.55	3.31	3.08	0.07

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	3.08	0.07	23.20	3.46	3.23	0.06
20.65	3.32	3.08	0.07	23.25	3.46	3.23	0.06
20.70	3.32	3.09	0.07	23.30	3.46	3.23	0.06
20.75	3.32	3.09	0.07	23.35	3.47	3.23	0.06
20.80	3.32	3.09	0.07	23.40	3.47	3.24	0.06
20.85	3.33	3.09	0.07	23.45	3.47	3.24	0.06
20.90	3.33	3.10	0.07	23.50	3.47	3.24	0.06
20.95	3.33	3.10	0.07	23.55	3.48	3.24	0.06
21.00	3.34	3.10	0.07	23.60	3.48	3.25	0.06
21.05	3.34	3.11	0.07	23.65	3.48	3.25	0.06
21.10	3.34	3.11	0.07	23.70	3.48	3.25	0.06
21.15	3.35	3.11	0.07	23.75	3.49	3.25	0.06
21.20	3.35	3.12	0.07	23.80	3.49	3.26	0.06
21.25	3.35	3.12	0.07	23.85	3.49	3.26	0.06
21.30	3.35	3.12	0.07	23.90	3.49	3.26	0.06
21.35	3.36	3.12	0.07	23.95	3.50	3.26	0.06
21.40	3.36	3.13	0.07	24.00	3.50	3.27	0.06
21.45	3.36	3.13	0.07	24.05	3.50	3.27	0.05
21.50	3.37	3.13	0.07	24.10	3.50	3.27	0.05
21.55	3.37	3.14	0.07	24.15	3.50	3.27	0.04
21.60	3.37	3.14	0.07	24.20	3.50	3.27	0.03
21.65	3.37	3.14	0.06	24.25	3.50	3.27	0.02
21.70	3.38	3.14	0.06	24.30	3.50	3.27	0.02
21.75	3.38	3.15	0.06	24.35	3.50	3.27	0.01
21.80	3.38	3.15	0.06	24.40	3.50	3.27	0.01
21.85	3.39	3.15	0.06	24.45	3.50	3.27	0.01
21.90	3.39	3.16	0.06	24.50	3.50	3.27	0.01
21.95	3.39	3.16	0.06	24.55	3.50	3.27	0.00
22.00	3.39	3.16	0.06	24.60	3.50	3.27	0.00
22.05	3.40	3.16	0.06	24.65	3.50	3.27	0.00
22.10	3.40	3.17	0.06	24.70	3.50	3.27	0.00
22.15	3.40	3.17	0.06	24.75	3.50	3.27	0.00
22.20	3.41	3.17	0.06	24.80	3.50	3.27	0.00
22.25	3.41	3.18	0.06	24.85	3.50	3.27	0.00
22.30	3.41	3.18	0.06	24.90	3.50	3.27	0.00
22.35	3.41	3.18	0.06	24.95	3.50	3.27	0.00
22.40	3.42	3.18	0.06	25.00	3.50	3.27	0.00
22.45	3.42	3.19	0.06	25.05	3.50	3.27	0.00
22.50	3.42	3.19	0.06	25.10	3.50	3.27	0.00
22.55	3.42	3.19	0.06	25.15	3.50	3.27	0.00
22.60	3.43	3.19	0.06	25.20	3.50	3.27	0.00
22.65	3.43	3.20	0.06	25.25	3.50	3.27	0.00
22.70	3.43	3.20	0.06	25.30	3.50	3.27	0.00
22.75	3.44	3.20	0.06	25.35	3.50	3.27	0.00
22.80	3.44	3.21	0.06	25.40	3.50	3.27	0.00
22.85	3.44	3.21	0.06	25.45	3.50	3.27	0.00
22.90	3.44	3.21	0.06	25.50	3.50	3.27	0.00
22.95	3.45	3.21	0.06	25.55	3.50	3.27	0.00
23.00	3.45	3.22	0.06	25.60	3.50	3.27	0.00
23.05	3.45	3.22	0.06	25.65	3.50	3.27	0.00
23.10	3.45	3.22	0.06	25.70	3.50	3.27	0.00
23.15	3.46	3.22	0.06	25.75	3.50	3.27	0.00

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NRCC 24-hr D 2 year Rainfall=3.50"

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	3.27	0.00	28.40	3.50	3.27	0.00
25.85	3.50	3.27	0.00	28.45	3.50	3.27	0.00
25.90	3.50	3.27	0.00	28.50	3.50	3.27	0.00
25.95	3.50	3.27	0.00	28.55	3.50	3.27	0.00
26.00	3.50	3.27	0.00	28.60	3.50	3.27	0.00
26.05	3.50	3.27	0.00	28.65	3.50	3.27	0.00
26.10	3.50	3.27	0.00	28.70	3.50	3.27	0.00
26.15	3.50	3.27	0.00	28.75	3.50	3.27	0.00
26.20	3.50	3.27	0.00	28.80	3.50	3.27	0.00
26.25	3.50	3.27	0.00	28.85	3.50	3.27	0.00
26.30	3.50	3.27	0.00	28.90	3.50	3.27	0.00
26.35	3.50	3.27	0.00	28.95	3.50	3.27	0.00
26.40	3.50	3.27	0.00	29.00	3.50	3.27	0.00
26.45	3.50	3.27	0.00	29.05	3.50	3.27	0.00
26.50	3.50	3.27	0.00	29.10	3.50	3.27	0.00
26.55	3.50	3.27	0.00	29.15	3.50	3.27	0.00
26.60	3.50	3.27	0.00	29.20	3.50	3.27	0.00
26.65	3.50	3.27	0.00	29.25	3.50	3.27	0.00
26.70	3.50	3.27	0.00	29.30	3.50	3.27	0.00
26.75	3.50	3.27	0.00	29.35	3.50	3.27	0.00
26.80	3.50	3.27	0.00	29.40	3.50	3.27	0.00
26.85	3.50	3.27	0.00	29.45	3.50	3.27	0.00
26.90	3.50	3.27	0.00	29.50	3.50	3.27	0.00
26.95	3.50	3.27	0.00	29.55	3.50	3.27	0.00
27.00	3.50	3.27	0.00	29.60	3.50	3.27	0.00
27.05	3.50	3.27	0.00	29.65	3.50	3.27	0.00
27.10	3.50	3.27	0.00	29.70	3.50	3.27	0.00
27.15	3.50	3.27	0.00	29.75	3.50	3.27	0.00
27.20	3.50	3.27	0.00	29.80	3.50	3.27	0.00
27.25	3.50	3.27	0.00	29.85	3.50	3.27	0.00
27.30	3.50	3.27	0.00	29.90	3.50	3.27	0.00
27.35	3.50	3.27	0.00	29.95	3.50	3.27	0.00
27.40	3.50	3.27	0.00	30.00	3.50	3.27	0.00
27.45	3.50	3.27	0.00				
27.50	3.50	3.27	0.00				
27.55	3.50	3.27	0.00				
27.60	3.50	3.27	0.00				
27.65	3.50	3.27	0.00				
27.70	3.50	3.27	0.00				
27.75	3.50	3.27	0.00				
27.80	3.50	3.27	0.00				
27.85	3.50	3.27	0.00				
27.90	3.50	3.27	0.00				
27.95	3.50	3.27	0.00				
28.00	3.50	3.27	0.00				
28.05	3.50	3.27	0.00				
28.10	3.50	3.27	0.00				
28.15	3.50	3.27	0.00				
28.20	3.50	3.27	0.00				
28.25	3.50	3.27	0.00				
28.30	3.50	3.27	0.00				
28.35	3.50	3.27	0.00				

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Summary for Subcatchment Basin 6 Impervious: Basin 6 Imp

Runoff = 0.81 cfs @ 12.19 hrs, Volume= 0.105 af, Depth> 3.14"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.200	98	Pavement & Sidewalk
* 0.200	98	Roof
0.400	98	Weighted Average
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.14	0.02	7.60	0.49	0.31	0.03
5.05	0.29	0.14	0.02	7.65	0.50	0.32	0.03
5.10	0.30	0.14	0.02	7.70	0.50	0.32	0.03
5.15	0.30	0.15	0.02	7.75	0.51	0.33	0.03
5.20	0.30	0.15	0.02	7.80	0.51	0.33	0.03
5.25	0.31	0.15	0.02	7.85	0.52	0.33	0.03
5.30	0.31	0.15	0.02	7.90	0.52	0.34	0.04
5.35	0.32	0.16	0.02	7.95	0.53	0.34	0.04
5.40	0.32	0.16	0.02	8.00	0.53	0.35	0.04
5.45	0.32	0.16	0.02	8.05	0.54	0.35	0.04
5.50	0.33	0.17	0.02	8.10	0.54	0.36	0.04
5.55	0.33	0.17	0.02	8.15	0.55	0.36	0.04
5.60	0.33	0.17	0.02	8.20	0.55	0.37	0.04
5.65	0.34	0.17	0.02	8.25	0.56	0.37	0.04
5.70	0.34	0.18	0.02	8.30	0.56	0.38	0.04
5.75	0.34	0.18	0.02	8.35	0.57	0.38	0.04
5.80	0.35	0.18	0.02	8.40	0.58	0.39	0.04
5.85	0.35	0.19	0.02	8.45	0.58	0.39	0.04
5.90	0.35	0.19	0.02	8.50	0.59	0.40	0.04
5.95	0.36	0.19	0.02	8.55	0.59	0.40	0.04
6.00	0.36	0.20	0.02	8.60	0.60	0.41	0.04
6.05	0.36	0.20	0.02	8.65	0.60	0.41	0.04
6.10	0.37	0.20	0.02	8.70	0.61	0.42	0.04
6.15	0.37	0.20	0.02	8.75	0.61	0.42	0.04
6.20	0.38	0.21	0.02	8.80	0.62	0.43	0.04
6.25	0.38	0.21	0.02	8.85	0.63	0.43	0.04
6.30	0.38	0.21	0.02	8.90	0.63	0.44	0.04
6.35	0.39	0.22	0.03	8.95	0.64	0.44	0.04
6.40	0.39	0.22	0.03	9.00	0.64	0.45	0.04
6.45	0.39	0.22	0.03	9.05	0.65	0.45	0.04
6.50	0.40	0.23	0.03	9.10	0.65	0.46	0.04
6.55	0.40	0.23	0.03	9.15	0.66	0.47	0.04
6.60	0.41	0.23	0.03	9.20	0.67	0.47	0.04
6.65	0.41	0.24	0.03	9.25	0.67	0.48	0.05
6.70	0.41	0.24	0.03	9.30	0.68	0.48	0.05
6.75	0.42	0.25	0.03	9.35	0.69	0.49	0.05
6.80	0.42	0.25	0.03	9.40	0.69	0.50	0.05
6.85	0.43	0.25	0.03	9.45	0.70	0.50	0.05
6.90	0.43	0.26	0.03	9.50	0.71	0.51	0.05
6.95	0.44	0.26	0.03	9.55	0.71	0.52	0.05
7.00	0.44	0.26	0.03	9.60	0.72	0.52	0.05
7.05	0.44	0.27	0.03	9.65	0.73	0.53	0.05
7.10	0.45	0.27	0.03	9.70	0.74	0.54	0.05
7.15	0.45	0.28	0.03	9.75	0.74	0.55	0.05
7.20	0.46	0.28	0.03	9.80	0.75	0.55	0.06
7.25	0.46	0.28	0.03	9.85	0.76	0.56	0.06
7.30	0.47	0.29	0.03	9.90	0.77	0.57	0.06
7.35	0.47	0.29	0.03	9.95	0.78	0.58	0.06
7.40	0.48	0.30	0.03	10.00	0.78	0.58	0.06
7.45	0.48	0.30	0.03	10.05	0.79	0.59	0.06
7.50	0.48	0.30	0.03	10.10	0.80	0.60	0.06
7.55	0.49	0.31	0.03	10.15	0.81	0.61	0.06

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.62	0.06	12.80	2.44	2.21	0.21
10.25	0.83	0.63	0.06	12.85	2.46	2.23	0.19
10.30	0.84	0.63	0.07	12.90	2.48	2.25	0.18
10.35	0.85	0.64	0.07	12.95	2.49	2.26	0.16
10.40	0.86	0.65	0.07	13.00	2.51	2.28	0.16
10.45	0.86	0.66	0.07	13.05	2.52	2.29	0.15
10.50	0.87	0.67	0.07	13.10	2.53	2.30	0.14
10.55	0.88	0.68	0.07	13.15	2.55	2.32	0.13
10.60	0.89	0.69	0.07	13.20	2.56	2.33	0.12
10.65	0.91	0.70	0.07	13.25	2.57	2.34	0.12
10.70	0.92	0.71	0.08	13.30	2.58	2.35	0.11
10.75	0.93	0.72	0.08	13.35	2.59	2.36	0.11
10.80	0.94	0.73	0.08	13.40	2.61	2.38	0.11
10.85	0.95	0.75	0.08	13.45	2.62	2.39	0.10
10.90	0.97	0.76	0.09	13.50	2.63	2.40	0.10
10.95	0.98	0.77	0.09	13.55	2.64	2.41	0.09
11.00	0.99	0.79	0.09	13.60	2.64	2.41	0.09
11.05	1.01	0.80	0.10	13.65	2.65	2.42	0.09
11.10	1.02	0.81	0.10	13.70	2.66	2.43	0.08
11.15	1.04	0.83	0.10	13.75	2.67	2.44	0.08
11.20	1.06	0.85	0.11	13.80	2.68	2.45	0.08
11.25	1.08	0.86	0.11	13.85	2.69	2.46	0.08
11.30	1.09	0.88	0.12	13.90	2.70	2.47	0.08
11.35	1.11	0.90	0.12	13.95	2.71	2.48	0.07
11.40	1.13	0.92	0.13	14.00	2.72	2.48	0.07
11.45	1.15	0.94	0.13	14.05	2.72	2.49	0.07
11.50	1.17	0.96	0.14	14.10	2.73	2.50	0.07
11.55	1.20	0.99	0.15	14.15	2.74	2.51	0.07
11.60	1.23	1.01	0.16	14.20	2.75	2.52	0.07
11.65	1.25	1.04	0.17	14.25	2.76	2.52	0.07
11.70	1.28	1.07	0.18	14.30	2.76	2.53	0.07
11.75	1.32	1.11	0.19	14.35	2.77	2.54	0.07
11.80	1.36	1.14	0.21	14.40	2.78	2.55	0.06
11.85	1.42	1.20	0.24	14.45	2.79	2.55	0.06
11.90	1.48	1.26	0.27	14.50	2.79	2.56	0.06
11.95	1.58	1.35	0.32	14.55	2.80	2.57	0.06
12.00	1.68	1.45	0.39	14.60	2.81	2.58	0.06
12.05	1.85	1.63	0.49	14.65	2.81	2.58	0.06
12.10	2.02	1.80	0.64	14.70	2.82	2.59	0.06
12.15	2.08	1.86	0.78	14.75	2.83	2.60	0.06
12.20	2.14	1.91	0.81	14.80	2.83	2.60	0.06
12.25	2.18	1.95	0.74	14.85	2.84	2.61	0.06
12.30	2.22	1.99	0.66	14.90	2.85	2.61	0.05
12.35	2.25	2.02	0.58	14.95	2.85	2.62	0.05
12.40	2.27	2.05	0.51	15.00	2.86	2.63	0.05
12.45	2.30	2.07	0.45	15.05	2.86	2.63	0.05
12.50	2.33	2.10	0.40	15.10	2.87	2.64	0.05
12.55	2.35	2.12	0.36	15.15	2.87	2.64	0.05
12.60	2.37	2.14	0.32	15.20	2.88	2.65	0.05
12.65	2.39	2.16	0.28	15.25	2.89	2.65	0.05
12.70	2.41	2.18	0.25	15.30	2.89	2.66	0.05
12.75	2.42	2.20	0.23	15.35	2.90	2.67	0.05

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	2.67	0.05	18.00	3.14	2.91	0.03
15.45	2.91	2.68	0.05	18.05	3.14	2.91	0.03
15.50	2.91	2.68	0.05	18.10	3.15	2.91	0.03
15.55	2.92	2.69	0.05	18.15	3.15	2.92	0.03
15.60	2.92	2.69	0.04	18.20	3.15	2.92	0.03
15.65	2.93	2.70	0.04	18.25	3.16	2.92	0.03
15.70	2.94	2.70	0.04	18.30	3.16	2.93	0.03
15.75	2.94	2.71	0.04	18.35	3.16	2.93	0.03
15.80	2.95	2.71	0.04	18.40	3.17	2.94	0.03
15.85	2.95	2.72	0.04	18.45	3.17	2.94	0.03
15.90	2.96	2.72	0.04	18.50	3.17	2.94	0.03
15.95	2.96	2.73	0.04	18.55	3.18	2.95	0.03
16.00	2.97	2.73	0.04	18.60	3.18	2.95	0.03
16.05	2.97	2.74	0.04	18.65	3.18	2.95	0.03
16.10	2.98	2.74	0.04	18.70	3.19	2.96	0.03
16.15	2.98	2.75	0.04	18.75	3.19	2.96	0.03
16.20	2.99	2.75	0.04	18.80	3.20	2.96	0.03
16.25	2.99	2.76	0.04	18.85	3.20	2.97	0.03
16.30	3.00	2.76	0.04	18.90	3.20	2.97	0.03
16.35	3.00	2.77	0.04	18.95	3.21	2.97	0.03
16.40	3.01	2.77	0.04	19.00	3.21	2.98	0.03
16.45	3.01	2.78	0.04	19.05	3.21	2.98	0.03
16.50	3.02	2.78	0.04	19.10	3.22	2.98	0.03
16.55	3.02	2.79	0.04	19.15	3.22	2.99	0.03
16.60	3.02	2.79	0.04	19.20	3.22	2.99	0.03
16.65	3.03	2.80	0.04	19.25	3.23	2.99	0.03
16.70	3.03	2.80	0.04	19.30	3.23	3.00	0.03
16.75	3.04	2.81	0.04	19.35	3.23	3.00	0.03
16.80	3.04	2.81	0.04	19.40	3.24	3.00	0.03
16.85	3.05	2.82	0.04	19.45	3.24	3.01	0.03
16.90	3.05	2.82	0.04	19.50	3.24	3.01	0.03
16.95	3.06	2.82	0.04	19.55	3.25	3.01	0.03
17.00	3.06	2.83	0.04	19.60	3.25	3.02	0.03
17.05	3.06	2.83	0.04	19.65	3.25	3.02	0.03
17.10	3.07	2.84	0.04	19.70	3.26	3.02	0.03
17.15	3.07	2.84	0.04	19.75	3.26	3.03	0.03
17.20	3.08	2.85	0.04	19.80	3.26	3.03	0.03
17.25	3.08	2.85	0.03	19.85	3.26	3.03	0.03
17.30	3.09	2.85	0.03	19.90	3.27	3.04	0.03
17.35	3.09	2.86	0.03	19.95	3.27	3.04	0.03
17.40	3.09	2.86	0.03	20.00	3.27	3.04	0.03
17.45	3.10	2.87	0.03	20.05	3.28	3.04	0.03
17.50	3.10	2.87	0.03	20.10	3.28	3.05	0.03
17.55	3.11	2.87	0.03	20.15	3.28	3.05	0.03
17.60	3.11	2.88	0.03	20.20	3.29	3.05	0.03
17.65	3.11	2.88	0.03	20.25	3.29	3.06	0.03
17.70	3.12	2.89	0.03	20.30	3.29	3.06	0.03
17.75	3.12	2.89	0.03	20.35	3.30	3.06	0.03
17.80	3.12	2.89	0.03	20.40	3.30	3.07	0.03
17.85	3.13	2.90	0.03	20.45	3.30	3.07	0.03
17.90	3.13	2.90	0.03	20.50	3.31	3.07	0.03
17.95	3.14	2.90	0.03	20.55	3.31	3.08	0.03

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	3.08	0.03	23.20	3.46	3.23	0.02
20.65	3.32	3.08	0.03	23.25	3.46	3.23	0.02
20.70	3.32	3.09	0.02	23.30	3.46	3.23	0.02
20.75	3.32	3.09	0.02	23.35	3.47	3.23	0.02
20.80	3.32	3.09	0.02	23.40	3.47	3.24	0.02
20.85	3.33	3.09	0.02	23.45	3.47	3.24	0.02
20.90	3.33	3.10	0.02	23.50	3.47	3.24	0.02
20.95	3.33	3.10	0.02	23.55	3.48	3.24	0.02
21.00	3.34	3.10	0.02	23.60	3.48	3.25	0.02
21.05	3.34	3.11	0.02	23.65	3.48	3.25	0.02
21.10	3.34	3.11	0.02	23.70	3.48	3.25	0.02
21.15	3.35	3.11	0.02	23.75	3.49	3.25	0.02
21.20	3.35	3.12	0.02	23.80	3.49	3.26	0.02
21.25	3.35	3.12	0.02	23.85	3.49	3.26	0.02
21.30	3.35	3.12	0.02	23.90	3.49	3.26	0.02
21.35	3.36	3.12	0.02	23.95	3.50	3.26	0.02
21.40	3.36	3.13	0.02	24.00	3.50	3.27	0.02
21.45	3.36	3.13	0.02	24.05	3.50	3.27	0.02
21.50	3.37	3.13	0.02	24.10	3.50	3.27	0.02
21.55	3.37	3.14	0.02	24.15	3.50	3.27	0.01
21.60	3.37	3.14	0.02	24.20	3.50	3.27	0.01
21.65	3.37	3.14	0.02	24.25	3.50	3.27	0.01
21.70	3.38	3.14	0.02	24.30	3.50	3.27	0.01
21.75	3.38	3.15	0.02	24.35	3.50	3.27	0.00
21.80	3.38	3.15	0.02	24.40	3.50	3.27	0.00
21.85	3.39	3.15	0.02	24.45	3.50	3.27	0.00
21.90	3.39	3.16	0.02	24.50	3.50	3.27	0.00
21.95	3.39	3.16	0.02	24.55	3.50	3.27	0.00
22.00	3.39	3.16	0.02	24.60	3.50	3.27	0.00
22.05	3.40	3.16	0.02	24.65	3.50	3.27	0.00
22.10	3.40	3.17	0.02	24.70	3.50	3.27	0.00
22.15	3.40	3.17	0.02	24.75	3.50	3.27	0.00
22.20	3.41	3.17	0.02	24.80	3.50	3.27	0.00
22.25	3.41	3.18	0.02	24.85	3.50	3.27	0.00
22.30	3.41	3.18	0.02	24.90	3.50	3.27	0.00
22.35	3.41	3.18	0.02	24.95	3.50	3.27	0.00
22.40	3.42	3.18	0.02	25.00	3.50	3.27	0.00
22.45	3.42	3.19	0.02	25.05	3.50	3.27	0.00
22.50	3.42	3.19	0.02	25.10	3.50	3.27	0.00
22.55	3.42	3.19	0.02	25.15	3.50	3.27	0.00
22.60	3.43	3.19	0.02	25.20	3.50	3.27	0.00
22.65	3.43	3.20	0.02	25.25	3.50	3.27	0.00
22.70	3.43	3.20	0.02	25.30	3.50	3.27	0.00
22.75	3.44	3.20	0.02	25.35	3.50	3.27	0.00
22.80	3.44	3.21	0.02	25.40	3.50	3.27	0.00
22.85	3.44	3.21	0.02	25.45	3.50	3.27	0.00
22.90	3.44	3.21	0.02	25.50	3.50	3.27	0.00
22.95	3.45	3.21	0.02	25.55	3.50	3.27	0.00
23.00	3.45	3.22	0.02	25.60	3.50	3.27	0.00
23.05	3.45	3.22	0.02	25.65	3.50	3.27	0.00
23.10	3.45	3.22	0.02	25.70	3.50	3.27	0.00
23.15	3.46	3.22	0.02	25.75	3.50	3.27	0.00

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	3.27	0.00	28.40	3.50	3.27	0.00
25.85	3.50	3.27	0.00	28.45	3.50	3.27	0.00
25.90	3.50	3.27	0.00	28.50	3.50	3.27	0.00
25.95	3.50	3.27	0.00	28.55	3.50	3.27	0.00
26.00	3.50	3.27	0.00	28.60	3.50	3.27	0.00
26.05	3.50	3.27	0.00	28.65	3.50	3.27	0.00
26.10	3.50	3.27	0.00	28.70	3.50	3.27	0.00
26.15	3.50	3.27	0.00	28.75	3.50	3.27	0.00
26.20	3.50	3.27	0.00	28.80	3.50	3.27	0.00
26.25	3.50	3.27	0.00	28.85	3.50	3.27	0.00
26.30	3.50	3.27	0.00	28.90	3.50	3.27	0.00
26.35	3.50	3.27	0.00	28.95	3.50	3.27	0.00
26.40	3.50	3.27	0.00	29.00	3.50	3.27	0.00
26.45	3.50	3.27	0.00	29.05	3.50	3.27	0.00
26.50	3.50	3.27	0.00	29.10	3.50	3.27	0.00
26.55	3.50	3.27	0.00	29.15	3.50	3.27	0.00
26.60	3.50	3.27	0.00	29.20	3.50	3.27	0.00
26.65	3.50	3.27	0.00	29.25	3.50	3.27	0.00
26.70	3.50	3.27	0.00	29.30	3.50	3.27	0.00
26.75	3.50	3.27	0.00	29.35	3.50	3.27	0.00
26.80	3.50	3.27	0.00	29.40	3.50	3.27	0.00
26.85	3.50	3.27	0.00	29.45	3.50	3.27	0.00
26.90	3.50	3.27	0.00	29.50	3.50	3.27	0.00
26.95	3.50	3.27	0.00	29.55	3.50	3.27	0.00
27.00	3.50	3.27	0.00	29.60	3.50	3.27	0.00
27.05	3.50	3.27	0.00	29.65	3.50	3.27	0.00
27.10	3.50	3.27	0.00	29.70	3.50	3.27	0.00
27.15	3.50	3.27	0.00	29.75	3.50	3.27	0.00
27.20	3.50	3.27	0.00	29.80	3.50	3.27	0.00
27.25	3.50	3.27	0.00	29.85	3.50	3.27	0.00
27.30	3.50	3.27	0.00	29.90	3.50	3.27	0.00
27.35	3.50	3.27	0.00	29.95	3.50	3.27	0.00
27.40	3.50	3.27	0.00	30.00	3.50	3.27	0.00
27.45	3.50	3.27	0.00				
27.50	3.50	3.27	0.00				
27.55	3.50	3.27	0.00				
27.60	3.50	3.27	0.00				
27.65	3.50	3.27	0.00				
27.70	3.50	3.27	0.00				
27.75	3.50	3.27	0.00				
27.80	3.50	3.27	0.00				
27.85	3.50	3.27	0.00				
27.90	3.50	3.27	0.00				
27.95	3.50	3.27	0.00				
28.00	3.50	3.27	0.00				
28.05	3.50	3.27	0.00				
28.10	3.50	3.27	0.00				
28.15	3.50	3.27	0.00				
28.20	3.50	3.27	0.00				
28.25	3.50	3.27	0.00				
28.30	3.50	3.27	0.00				
28.35	3.50	3.27	0.00				

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Summary for Subcatchment Basin 6 Pervious: Basin 6 - Pervious

Runoff = 0.00 cfs @ 24.05 hrs, Volume= 0.001 af, Depth= 0.01"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 1.500	39	lawn, A soils
1.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.29	0.00	0.00	7.60	0.49	0.00	0.00
5.05	0.29	0.00	0.00	7.65	0.50	0.00	0.00
5.10	0.30	0.00	0.00	7.70	0.50	0.00	0.00
5.15	0.30	0.00	0.00	7.75	0.51	0.00	0.00
5.20	0.30	0.00	0.00	7.80	0.51	0.00	0.00
5.25	0.31	0.00	0.00	7.85	0.52	0.00	0.00
5.30	0.31	0.00	0.00	7.90	0.52	0.00	0.00
5.35	0.32	0.00	0.00	7.95	0.53	0.00	0.00
5.40	0.32	0.00	0.00	8.00	0.53	0.00	0.00
5.45	0.32	0.00	0.00	8.05	0.54	0.00	0.00
5.50	0.33	0.00	0.00	8.10	0.54	0.00	0.00
5.55	0.33	0.00	0.00	8.15	0.55	0.00	0.00
5.60	0.33	0.00	0.00	8.20	0.55	0.00	0.00
5.65	0.34	0.00	0.00	8.25	0.56	0.00	0.00
5.70	0.34	0.00	0.00	8.30	0.56	0.00	0.00
5.75	0.34	0.00	0.00	8.35	0.57	0.00	0.00
5.80	0.35	0.00	0.00	8.40	0.58	0.00	0.00
5.85	0.35	0.00	0.00	8.45	0.58	0.00	0.00
5.90	0.35	0.00	0.00	8.50	0.59	0.00	0.00
5.95	0.36	0.00	0.00	8.55	0.59	0.00	0.00
6.00	0.36	0.00	0.00	8.60	0.60	0.00	0.00
6.05	0.36	0.00	0.00	8.65	0.60	0.00	0.00
6.10	0.37	0.00	0.00	8.70	0.61	0.00	0.00
6.15	0.37	0.00	0.00	8.75	0.61	0.00	0.00
6.20	0.38	0.00	0.00	8.80	0.62	0.00	0.00
6.25	0.38	0.00	0.00	8.85	0.63	0.00	0.00
6.30	0.38	0.00	0.00	8.90	0.63	0.00	0.00
6.35	0.39	0.00	0.00	8.95	0.64	0.00	0.00
6.40	0.39	0.00	0.00	9.00	0.64	0.00	0.00
6.45	0.39	0.00	0.00	9.05	0.65	0.00	0.00
6.50	0.40	0.00	0.00	9.10	0.65	0.00	0.00
6.55	0.40	0.00	0.00	9.15	0.66	0.00	0.00
6.60	0.41	0.00	0.00	9.20	0.67	0.00	0.00
6.65	0.41	0.00	0.00	9.25	0.67	0.00	0.00
6.70	0.41	0.00	0.00	9.30	0.68	0.00	0.00
6.75	0.42	0.00	0.00	9.35	0.69	0.00	0.00
6.80	0.42	0.00	0.00	9.40	0.69	0.00	0.00
6.85	0.43	0.00	0.00	9.45	0.70	0.00	0.00
6.90	0.43	0.00	0.00	9.50	0.71	0.00	0.00
6.95	0.44	0.00	0.00	9.55	0.71	0.00	0.00
7.00	0.44	0.00	0.00	9.60	0.72	0.00	0.00
7.05	0.44	0.00	0.00	9.65	0.73	0.00	0.00
7.10	0.45	0.00	0.00	9.70	0.74	0.00	0.00
7.15	0.45	0.00	0.00	9.75	0.74	0.00	0.00
7.20	0.46	0.00	0.00	9.80	0.75	0.00	0.00
7.25	0.46	0.00	0.00	9.85	0.76	0.00	0.00
7.30	0.47	0.00	0.00	9.90	0.77	0.00	0.00
7.35	0.47	0.00	0.00	9.95	0.78	0.00	0.00
7.40	0.48	0.00	0.00	10.00	0.78	0.00	0.00
7.45	0.48	0.00	0.00	10.05	0.79	0.00	0.00
7.50	0.48	0.00	0.00	10.10	0.80	0.00	0.00
7.55	0.49	0.00	0.00	10.15	0.81	0.00	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.82	0.00	0.00	12.80	2.44	0.00	0.00
10.25	0.83	0.00	0.00	12.85	2.46	0.00	0.00
10.30	0.84	0.00	0.00	12.90	2.48	0.00	0.00
10.35	0.85	0.00	0.00	12.95	2.49	0.00	0.00
10.40	0.86	0.00	0.00	13.00	2.51	0.00	0.00
10.45	0.86	0.00	0.00	13.05	2.52	0.00	0.00
10.50	0.87	0.00	0.00	13.10	2.53	0.00	0.00
10.55	0.88	0.00	0.00	13.15	2.55	0.00	0.00
10.60	0.89	0.00	0.00	13.20	2.56	0.00	0.00
10.65	0.91	0.00	0.00	13.25	2.57	0.00	0.00
10.70	0.92	0.00	0.00	13.30	2.58	0.00	0.00
10.75	0.93	0.00	0.00	13.35	2.59	0.00	0.00
10.80	0.94	0.00	0.00	13.40	2.61	0.00	0.00
10.85	0.95	0.00	0.00	13.45	2.62	0.00	0.00
10.90	0.97	0.00	0.00	13.50	2.63	0.00	0.00
10.95	0.98	0.00	0.00	13.55	2.64	0.00	0.00
11.00	0.99	0.00	0.00	13.60	2.64	0.00	0.00
11.05	1.01	0.00	0.00	13.65	2.65	0.00	0.00
11.10	1.02	0.00	0.00	13.70	2.66	0.00	0.00
11.15	1.04	0.00	0.00	13.75	2.67	0.00	0.00
11.20	1.06	0.00	0.00	13.80	2.68	0.00	0.00
11.25	1.08	0.00	0.00	13.85	2.69	0.00	0.00
11.30	1.09	0.00	0.00	13.90	2.70	0.00	0.00
11.35	1.11	0.00	0.00	13.95	2.71	0.00	0.00
11.40	1.13	0.00	0.00	14.00	2.72	0.00	0.00
11.45	1.15	0.00	0.00	14.05	2.72	0.00	0.00
11.50	1.17	0.00	0.00	14.10	2.73	0.00	0.00
11.55	1.20	0.00	0.00	14.15	2.74	0.00	0.00
11.60	1.23	0.00	0.00	14.20	2.75	0.00	0.00
11.65	1.25	0.00	0.00	14.25	2.76	0.00	0.00
11.70	1.28	0.00	0.00	14.30	2.76	0.00	0.00
11.75	1.32	0.00	0.00	14.35	2.77	0.00	0.00
11.80	1.36	0.00	0.00	14.40	2.78	0.00	0.00
11.85	1.42	0.00	0.00	14.45	2.79	0.00	0.00
11.90	1.48	0.00	0.00	14.50	2.79	0.00	0.00
11.95	1.58	0.00	0.00	14.55	2.80	0.00	0.00
12.00	1.68	0.00	0.00	14.60	2.81	0.00	0.00
12.05	1.85	0.00	0.00	14.65	2.81	0.00	0.00
12.10	2.02	0.00	0.00	14.70	2.82	0.00	0.00
12.15	2.08	0.00	0.00	14.75	2.83	0.00	0.00
12.20	2.14	0.00	0.00	14.80	2.83	0.00	0.00
12.25	2.18	0.00	0.00	14.85	2.84	0.00	0.00
12.30	2.22	0.00	0.00	14.90	2.85	0.00	0.00
12.35	2.25	0.00	0.00	14.95	2.85	0.00	0.00
12.40	2.27	0.00	0.00	15.00	2.86	0.00	0.00
12.45	2.30	0.00	0.00	15.05	2.86	0.00	0.00
12.50	2.33	0.00	0.00	15.10	2.87	0.00	0.00
12.55	2.35	0.00	0.00	15.15	2.87	0.00	0.00
12.60	2.37	0.00	0.00	15.20	2.88	0.00	0.00
12.65	2.39	0.00	0.00	15.25	2.89	0.00	0.00
12.70	2.41	0.00	0.00	15.30	2.89	0.00	0.00
12.75	2.42	0.00	0.00	15.35	2.90	0.00	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	2.90	0.00	0.00	18.00	3.14	0.00	0.00
15.45	2.91	0.00	0.00	18.05	3.14	0.00	0.00
15.50	2.91	0.00	0.00	18.10	3.15	0.00	0.00
15.55	2.92	0.00	0.00	18.15	3.15	0.00	0.00
15.60	2.92	0.00	0.00	18.20	3.15	0.00	0.00
15.65	2.93	0.00	0.00	18.25	3.16	0.00	0.00
15.70	2.94	0.00	0.00	18.30	3.16	0.00	0.00
15.75	2.94	0.00	0.00	18.35	3.16	0.00	0.00
15.80	2.95	0.00	0.00	18.40	3.17	0.00	0.00
15.85	2.95	0.00	0.00	18.45	3.17	0.00	0.00
15.90	2.96	0.00	0.00	18.50	3.17	0.00	0.00
15.95	2.96	0.00	0.00	18.55	3.18	0.00	0.00
16.00	2.97	0.00	0.00	18.60	3.18	0.00	0.00
16.05	2.97	0.00	0.00	18.65	3.18	0.00	0.00
16.10	2.98	0.00	0.00	18.70	3.19	0.00	0.00
16.15	2.98	0.00	0.00	18.75	3.19	0.00	0.00
16.20	2.99	0.00	0.00	18.80	3.20	0.00	0.00
16.25	2.99	0.00	0.00	18.85	3.20	0.00	0.00
16.30	3.00	0.00	0.00	18.90	3.20	0.00	0.00
16.35	3.00	0.00	0.00	18.95	3.21	0.00	0.00
16.40	3.01	0.00	0.00	19.00	3.21	0.00	0.00
16.45	3.01	0.00	0.00	19.05	3.21	0.00	0.00
16.50	3.02	0.00	0.00	19.10	3.22	0.00	0.00
16.55	3.02	0.00	0.00	19.15	3.22	0.00	0.00
16.60	3.02	0.00	0.00	19.20	3.22	0.00	0.00
16.65	3.03	0.00	0.00	19.25	3.23	0.00	0.00
16.70	3.03	0.00	0.00	19.30	3.23	0.00	0.00
16.75	3.04	0.00	0.00	19.35	3.23	0.00	0.00
16.80	3.04	0.00	0.00	19.40	3.24	0.00	0.00
16.85	3.05	0.00	0.00	19.45	3.24	0.00	0.00
16.90	3.05	0.00	0.00	19.50	3.24	0.00	0.00
16.95	3.06	0.00	0.00	19.55	3.25	0.00	0.00
17.00	3.06	0.00	0.00	19.60	3.25	0.00	0.00
17.05	3.06	0.00	0.00	19.65	3.25	0.00	0.00
17.10	3.07	0.00	0.00	19.70	3.26	0.00	0.00
17.15	3.07	0.00	0.00	19.75	3.26	0.00	0.00
17.20	3.08	0.00	0.00	19.80	3.26	0.00	0.00
17.25	3.08	0.00	0.00	19.85	3.26	0.00	0.00
17.30	3.09	0.00	0.00	19.90	3.27	0.00	0.00
17.35	3.09	0.00	0.00	19.95	3.27	0.00	0.00
17.40	3.09	0.00	0.00	20.00	3.27	0.00	0.00
17.45	3.10	0.00	0.00	20.05	3.28	0.00	0.00
17.50	3.10	0.00	0.00	20.10	3.28	0.00	0.00
17.55	3.11	0.00	0.00	20.15	3.28	0.00	0.00
17.60	3.11	0.00	0.00	20.20	3.29	0.00	0.00
17.65	3.11	0.00	0.00	20.25	3.29	0.00	0.00
17.70	3.12	0.00	0.00	20.30	3.29	0.00	0.00
17.75	3.12	0.00	0.00	20.35	3.30	0.00	0.00
17.80	3.12	0.00	0.00	20.40	3.30	0.00	0.00
17.85	3.13	0.00	0.00	20.45	3.30	0.00	0.00
17.90	3.13	0.00	0.00	20.50	3.31	0.00	0.00
17.95	3.14	0.00	0.00	20.55	3.31	0.00	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	3.31	0.00	0.00	23.20	3.46	0.01	0.00
20.65	3.32	0.00	0.00	23.25	3.46	0.01	0.00
20.70	3.32	0.00	0.00	23.30	3.46	0.01	0.00
20.75	3.32	0.00	0.00	23.35	3.47	0.01	0.00
20.80	3.32	0.00	0.00	23.40	3.47	0.01	0.00
20.85	3.33	0.00	0.00	23.45	3.47	0.01	0.00
20.90	3.33	0.00	0.00	23.50	3.47	0.01	0.00
20.95	3.33	0.00	0.00	23.55	3.48	0.01	0.00
21.00	3.34	0.00	0.00	23.60	3.48	0.01	0.00
21.05	3.34	0.00	0.00	23.65	3.48	0.01	0.00
21.10	3.34	0.00	0.00	23.70	3.48	0.01	0.00
21.15	3.35	0.00	0.00	23.75	3.49	0.01	0.00
21.20	3.35	0.00	0.00	23.80	3.49	0.01	0.00
21.25	3.35	0.00	0.00	23.85	3.49	0.01	0.00
21.30	3.35	0.00	0.00	23.90	3.49	0.01	0.00
21.35	3.36	0.00	0.00	23.95	3.50	0.01	0.00
21.40	3.36	0.00	0.00	24.00	3.50	0.01	0.00
21.45	3.36	0.00	0.00	24.05	3.50	0.01	0.00
21.50	3.37	0.00	0.00	24.10	3.50	0.01	0.00
21.55	3.37	0.00	0.00	24.15	3.50	0.01	0.00
21.60	3.37	0.00	0.00	24.20	3.50	0.01	0.00
21.65	3.37	0.00	0.00	24.25	3.50	0.01	0.00
21.70	3.38	0.00	0.00	24.30	3.50	0.01	0.00
21.75	3.38	0.00	0.00	24.35	3.50	0.01	0.00
21.80	3.38	0.00	0.00	24.40	3.50	0.01	0.00
21.85	3.39	0.00	0.00	24.45	3.50	0.01	0.00
21.90	3.39	0.00	0.00	24.50	3.50	0.01	0.00
21.95	3.39	0.00	0.00	24.55	3.50	0.01	0.00
22.00	3.39	0.00	0.00	24.60	3.50	0.01	0.00
22.05	3.40	0.00	0.00	24.65	3.50	0.01	0.00
22.10	3.40	0.00	0.00	24.70	3.50	0.01	0.00
22.15	3.40	0.00	0.00	24.75	3.50	0.01	0.00
22.20	3.41	0.00	0.00	24.80	3.50	0.01	0.00
22.25	3.41	0.00	0.00	24.85	3.50	0.01	0.00
22.30	3.41	0.01	0.00	24.90	3.50	0.01	0.00
22.35	3.41	0.01	0.00	24.95	3.50	0.01	0.00
22.40	3.42	0.01	0.00	25.00	3.50	0.01	0.00
22.45	3.42	0.01	0.00	25.05	3.50	0.01	0.00
22.50	3.42	0.01	0.00	25.10	3.50	0.01	0.00
22.55	3.42	0.01	0.00	25.15	3.50	0.01	0.00
22.60	3.43	0.01	0.00	25.20	3.50	0.01	0.00
22.65	3.43	0.01	0.00	25.25	3.50	0.01	0.00
22.70	3.43	0.01	0.00	25.30	3.50	0.01	0.00
22.75	3.44	0.01	0.00	25.35	3.50	0.01	0.00
22.80	3.44	0.01	0.00	25.40	3.50	0.01	0.00
22.85	3.44	0.01	0.00	25.45	3.50	0.01	0.00
22.90	3.44	0.01	0.00	25.50	3.50	0.01	0.00
22.95	3.45	0.01	0.00	25.55	3.50	0.01	0.00
23.00	3.45	0.01	0.00	25.60	3.50	0.01	0.00
23.05	3.45	0.01	0.00	25.65	3.50	0.01	0.00
23.10	3.45	0.01	0.00	25.70	3.50	0.01	0.00
23.15	3.46	0.01	0.00	25.75	3.50	0.01	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	3.50	0.01	0.00	28.40	3.50	0.01	0.00
25.85	3.50	0.01	0.00	28.45	3.50	0.01	0.00
25.90	3.50	0.01	0.00	28.50	3.50	0.01	0.00
25.95	3.50	0.01	0.00	28.55	3.50	0.01	0.00
26.00	3.50	0.01	0.00	28.60	3.50	0.01	0.00
26.05	3.50	0.01	0.00	28.65	3.50	0.01	0.00
26.10	3.50	0.01	0.00	28.70	3.50	0.01	0.00
26.15	3.50	0.01	0.00	28.75	3.50	0.01	0.00
26.20	3.50	0.01	0.00	28.80	3.50	0.01	0.00
26.25	3.50	0.01	0.00	28.85	3.50	0.01	0.00
26.30	3.50	0.01	0.00	28.90	3.50	0.01	0.00
26.35	3.50	0.01	0.00	28.95	3.50	0.01	0.00
26.40	3.50	0.01	0.00	29.00	3.50	0.01	0.00
26.45	3.50	0.01	0.00	29.05	3.50	0.01	0.00
26.50	3.50	0.01	0.00	29.10	3.50	0.01	0.00
26.55	3.50	0.01	0.00	29.15	3.50	0.01	0.00
26.60	3.50	0.01	0.00	29.20	3.50	0.01	0.00
26.65	3.50	0.01	0.00	29.25	3.50	0.01	0.00
26.70	3.50	0.01	0.00	29.30	3.50	0.01	0.00
26.75	3.50	0.01	0.00	29.35	3.50	0.01	0.00
26.80	3.50	0.01	0.00	29.40	3.50	0.01	0.00
26.85	3.50	0.01	0.00	29.45	3.50	0.01	0.00
26.90	3.50	0.01	0.00	29.50	3.50	0.01	0.00
26.95	3.50	0.01	0.00	29.55	3.50	0.01	0.00
27.00	3.50	0.01	0.00	29.60	3.50	0.01	0.00
27.05	3.50	0.01	0.00	29.65	3.50	0.01	0.00
27.10	3.50	0.01	0.00	29.70	3.50	0.01	0.00
27.15	3.50	0.01	0.00	29.75	3.50	0.01	0.00
27.20	3.50	0.01	0.00	29.80	3.50	0.01	0.00
27.25	3.50	0.01	0.00	29.85	3.50	0.01	0.00
27.30	3.50	0.01	0.00	29.90	3.50	0.01	0.00
27.35	3.50	0.01	0.00	29.95	3.50	0.01	0.00
27.40	3.50	0.01	0.00	30.00	3.50	0.01	0.00
27.45	3.50	0.01	0.00				
27.50	3.50	0.01	0.00				
27.55	3.50	0.01	0.00				
27.60	3.50	0.01	0.00				
27.65	3.50	0.01	0.00				
27.70	3.50	0.01	0.00				
27.75	3.50	0.01	0.00				
27.80	3.50	0.01	0.00				
27.85	3.50	0.01	0.00				
27.90	3.50	0.01	0.00				
27.95	3.50	0.01	0.00				
28.00	3.50	0.01	0.00				
28.05	3.50	0.01	0.00				
28.10	3.50	0.01	0.00				
28.15	3.50	0.01	0.00				
28.20	3.50	0.01	0.00				
28.25	3.50	0.01	0.00				
28.30	3.50	0.01	0.00				
28.35	3.50	0.01	0.00				

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Summary for Reach Site: Site

Inflow Area = 17.000 ac, 29.12% Impervious, Inflow Depth = 0.00" for 2 year event

Inflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Outflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs

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Hydrograph for Reach Site: Site

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
5.00	0.00		0.00	7.60	0.00		0.00
5.05	0.00		0.00	7.65	0.00		0.00
5.10	0.00		0.00	7.70	0.00		0.00
5.15	0.00		0.00	7.75	0.00		0.00
5.20	0.00		0.00	7.80	0.00		0.00
5.25	0.00		0.00	7.85	0.00		0.00
5.30	0.00		0.00	7.90	0.00		0.00
5.35	0.00		0.00	7.95	0.00		0.00
5.40	0.00		0.00	8.00	0.00		0.00
5.45	0.00		0.00	8.05	0.00		0.00
5.50	0.00		0.00	8.10	0.00		0.00
5.55	0.00		0.00	8.15	0.00		0.00
5.60	0.00		0.00	8.20	0.00		0.00
5.65	0.00		0.00	8.25	0.00		0.00
5.70	0.00		0.00	8.30	0.00		0.00
5.75	0.00		0.00	8.35	0.00		0.00
5.80	0.00		0.00	8.40	0.00		0.00
5.85	0.00		0.00	8.45	0.00		0.00
5.90	0.00		0.00	8.50	0.00		0.00
5.95	0.00		0.00	8.55	0.00		0.00
6.00	0.00		0.00	8.60	0.00		0.00
6.05	0.00		0.00	8.65	0.00		0.00
6.10	0.00		0.00	8.70	0.00		0.00
6.15	0.00		0.00	8.75	0.00		0.00
6.20	0.00		0.00	8.80	0.00		0.00
6.25	0.00		0.00	8.85	0.00		0.00
6.30	0.00		0.00	8.90	0.00		0.00
6.35	0.00		0.00	8.95	0.00		0.00
6.40	0.00		0.00	9.00	0.00		0.00
6.45	0.00		0.00	9.05	0.00		0.00
6.50	0.00		0.00	9.10	0.00		0.00
6.55	0.00		0.00	9.15	0.00		0.00
6.60	0.00		0.00	9.20	0.00		0.00
6.65	0.00		0.00	9.25	0.00		0.00
6.70	0.00		0.00	9.30	0.00		0.00
6.75	0.00		0.00	9.35	0.00		0.00
6.80	0.00		0.00	9.40	0.00		0.00
6.85	0.00		0.00	9.45	0.00		0.00
6.90	0.00		0.00	9.50	0.00		0.00
6.95	0.00		0.00	9.55	0.00		0.00
7.00	0.00		0.00	9.60	0.00		0.00
7.05	0.00		0.00	9.65	0.00		0.00
7.10	0.00		0.00	9.70	0.00		0.00
7.15	0.00		0.00	9.75	0.00		0.00
7.20	0.00		0.00	9.80	0.00		0.00
7.25	0.00		0.00	9.85	0.00		0.00
7.30	0.00		0.00	9.90	0.00		0.00
7.35	0.00		0.00	9.95	0.00		0.00
7.40	0.00		0.00	10.00	0.00		0.00
7.45	0.00		0.00	10.05	0.00		0.00
7.50	0.00		0.00	10.10	0.00		0.00
7.55	0.00		0.00	10.15	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
10.20	0.00		0.00	12.80	0.00		0.00
10.25	0.00		0.00	12.85	0.00		0.00
10.30	0.00		0.00	12.90	0.00		0.00
10.35	0.00		0.00	12.95	0.00		0.00
10.40	0.00		0.00	13.00	0.00		0.00
10.45	0.00		0.00	13.05	0.00		0.00
10.50	0.00		0.00	13.10	0.00		0.00
10.55	0.00		0.00	13.15	0.00		0.00
10.60	0.00		0.00	13.20	0.00		0.00
10.65	0.00		0.00	13.25	0.00		0.00
10.70	0.00		0.00	13.30	0.00		0.00
10.75	0.00		0.00	13.35	0.00		0.00
10.80	0.00		0.00	13.40	0.00		0.00
10.85	0.00		0.00	13.45	0.00		0.00
10.90	0.00		0.00	13.50	0.00		0.00
10.95	0.00		0.00	13.55	0.00		0.00
11.00	0.00		0.00	13.60	0.00		0.00
11.05	0.00		0.00	13.65	0.00		0.00
11.10	0.00		0.00	13.70	0.00		0.00
11.15	0.00		0.00	13.75	0.00		0.00
11.20	0.00		0.00	13.80	0.00		0.00
11.25	0.00		0.00	13.85	0.00		0.00
11.30	0.00		0.00	13.90	0.00		0.00
11.35	0.00		0.00	13.95	0.00		0.00
11.40	0.00		0.00	14.00	0.00		0.00
11.45	0.00		0.00	14.05	0.00		0.00
11.50	0.00		0.00	14.10	0.00		0.00
11.55	0.00		0.00	14.15	0.00		0.00
11.60	0.00		0.00	14.20	0.00		0.00
11.65	0.00		0.00	14.25	0.00		0.00
11.70	0.00		0.00	14.30	0.00		0.00
11.75	0.00		0.00	14.35	0.00		0.00
11.80	0.00		0.00	14.40	0.00		0.00
11.85	0.00		0.00	14.45	0.00		0.00
11.90	0.00		0.00	14.50	0.00		0.00
11.95	0.00		0.00	14.55	0.00		0.00
12.00	0.00		0.00	14.60	0.00		0.00
12.05	0.00		0.00	14.65	0.00		0.00
12.10	0.00		0.00	14.70	0.00		0.00
12.15	0.00		0.00	14.75	0.00		0.00
12.20	0.00		0.00	14.80	0.00		0.00
12.25	0.00		0.00	14.85	0.00		0.00
12.30	0.00		0.00	14.90	0.00		0.00
12.35	0.00		0.00	14.95	0.00		0.00
12.40	0.00		0.00	15.00	0.00		0.00
12.45	0.00		0.00	15.05	0.00		0.00
12.50	0.00		0.00	15.10	0.00		0.00
12.55	0.00		0.00	15.15	0.00		0.00
12.60	0.00		0.00	15.20	0.00		0.00
12.65	0.00		0.00	15.25	0.00		0.00
12.70	0.00		0.00	15.30	0.00		0.00
12.75	0.00		0.00	15.35	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
15.40	0.00		0.00	18.00	0.00		0.00
15.45	0.00		0.00	18.05	0.00		0.00
15.50	0.00		0.00	18.10	0.00		0.00
15.55	0.00		0.00	18.15	0.00		0.00
15.60	0.00		0.00	18.20	0.00		0.00
15.65	0.00		0.00	18.25	0.00		0.00
15.70	0.00		0.00	18.30	0.00		0.00
15.75	0.00		0.00	18.35	0.00		0.00
15.80	0.00		0.00	18.40	0.00		0.00
15.85	0.00		0.00	18.45	0.00		0.00
15.90	0.00		0.00	18.50	0.00		0.00
15.95	0.00		0.00	18.55	0.00		0.00
16.00	0.00		0.00	18.60	0.00		0.00
16.05	0.00		0.00	18.65	0.00		0.00
16.10	0.00		0.00	18.70	0.00		0.00
16.15	0.00		0.00	18.75	0.00		0.00
16.20	0.00		0.00	18.80	0.00		0.00
16.25	0.00		0.00	18.85	0.00		0.00
16.30	0.00		0.00	18.90	0.00		0.00
16.35	0.00		0.00	18.95	0.00		0.00
16.40	0.00		0.00	19.00	0.00		0.00
16.45	0.00		0.00	19.05	0.00		0.00
16.50	0.00		0.00	19.10	0.00		0.00
16.55	0.00		0.00	19.15	0.00		0.00
16.60	0.00		0.00	19.20	0.00		0.00
16.65	0.00		0.00	19.25	0.00		0.00
16.70	0.00		0.00	19.30	0.00		0.00
16.75	0.00		0.00	19.35	0.00		0.00
16.80	0.00		0.00	19.40	0.00		0.00
16.85	0.00		0.00	19.45	0.00		0.00
16.90	0.00		0.00	19.50	0.00		0.00
16.95	0.00		0.00	19.55	0.00		0.00
17.00	0.00		0.00	19.60	0.00		0.00
17.05	0.00		0.00	19.65	0.00		0.00
17.10	0.00		0.00	19.70	0.00		0.00
17.15	0.00		0.00	19.75	0.00		0.00
17.20	0.00		0.00	19.80	0.00		0.00
17.25	0.00		0.00	19.85	0.00		0.00
17.30	0.00		0.00	19.90	0.00		0.00
17.35	0.00		0.00	19.95	0.00		0.00
17.40	0.00		0.00	20.00	0.00		0.00
17.45	0.00		0.00	20.05	0.00		0.00
17.50	0.00		0.00	20.10	0.00		0.00
17.55	0.00		0.00	20.15	0.00		0.00
17.60	0.00		0.00	20.20	0.00		0.00
17.65	0.00		0.00	20.25	0.00		0.00
17.70	0.00		0.00	20.30	0.00		0.00
17.75	0.00		0.00	20.35	0.00		0.00
17.80	0.00		0.00	20.40	0.00		0.00
17.85	0.00		0.00	20.45	0.00		0.00
17.90	0.00		0.00	20.50	0.00		0.00
17.95	0.00		0.00	20.55	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
20.60	0.00		0.00	23.20	0.00		0.00
20.65	0.00		0.00	23.25	0.00		0.00
20.70	0.00		0.00	23.30	0.00		0.00
20.75	0.00		0.00	23.35	0.00		0.00
20.80	0.00		0.00	23.40	0.00		0.00
20.85	0.00		0.00	23.45	0.00		0.00
20.90	0.00		0.00	23.50	0.00		0.00
20.95	0.00		0.00	23.55	0.00		0.00
21.00	0.00		0.00	23.60	0.00		0.00
21.05	0.00		0.00	23.65	0.00		0.00
21.10	0.00		0.00	23.70	0.00		0.00
21.15	0.00		0.00	23.75	0.00		0.00
21.20	0.00		0.00	23.80	0.00		0.00
21.25	0.00		0.00	23.85	0.00		0.00
21.30	0.00		0.00	23.90	0.00		0.00
21.35	0.00		0.00	23.95	0.00		0.00
21.40	0.00		0.00	24.00	0.00		0.00
21.45	0.00		0.00	24.05	0.00		0.00
21.50	0.00		0.00	24.10	0.00		0.00
21.55	0.00		0.00	24.15	0.00		0.00
21.60	0.00		0.00	24.20	0.00		0.00
21.65	0.00		0.00	24.25	0.00		0.00
21.70	0.00		0.00	24.30	0.00		0.00
21.75	0.00		0.00	24.35	0.00		0.00
21.80	0.00		0.00	24.40	0.00		0.00
21.85	0.00		0.00	24.45	0.00		0.00
21.90	0.00		0.00	24.50	0.00		0.00
21.95	0.00		0.00	24.55	0.00		0.00
22.00	0.00		0.00	24.60	0.00		0.00
22.05	0.00		0.00	24.65	0.00		0.00
22.10	0.00		0.00	24.70	0.00		0.00
22.15	0.00		0.00	24.75	0.00		0.00
22.20	0.00		0.00	24.80	0.00		0.00
22.25	0.00		0.00	24.85	0.00		0.00
22.30	0.00		0.00	24.90	0.00		0.00
22.35	0.00		0.00	24.95	0.00		0.00
22.40	0.00		0.00	25.00	0.00		0.00
22.45	0.00		0.00	25.05	0.00		0.00
22.50	0.00		0.00	25.10	0.00		0.00
22.55	0.00		0.00	25.15	0.00		0.00
22.60	0.00		0.00	25.20	0.00		0.00
22.65	0.00		0.00	25.25	0.00		0.00
22.70	0.00		0.00	25.30	0.00		0.00
22.75	0.00		0.00	25.35	0.00		0.00
22.80	0.00		0.00	25.40	0.00		0.00
22.85	0.00		0.00	25.45	0.00		0.00
22.90	0.00		0.00	25.50	0.00		0.00
22.95	0.00		0.00	25.55	0.00		0.00
23.00	0.00		0.00	25.60	0.00		0.00
23.05	0.00		0.00	25.65	0.00		0.00
23.10	0.00		0.00	25.70	0.00		0.00
23.15	0.00		0.00	25.75	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
25.80	0.00		0.00	28.40	0.00		0.00
25.85	0.00		0.00	28.45	0.00		0.00
25.90	0.00		0.00	28.50	0.00		0.00
25.95	0.00		0.00	28.55	0.00		0.00
26.00	0.00		0.00	28.60	0.00		0.00
26.05	0.00		0.00	28.65	0.00		0.00
26.10	0.00		0.00	28.70	0.00		0.00
26.15	0.00		0.00	28.75	0.00		0.00
26.20	0.00		0.00	28.80	0.00		0.00
26.25	0.00		0.00	28.85	0.00		0.00
26.30	0.00		0.00	28.90	0.00		0.00
26.35	0.00		0.00	28.95	0.00		0.00
26.40	0.00		0.00	29.00	0.00		0.00
26.45	0.00		0.00	29.05	0.00		0.00
26.50	0.00		0.00	29.10	0.00		0.00
26.55	0.00		0.00	29.15	0.00		0.00
26.60	0.00		0.00	29.20	0.00		0.00
26.65	0.00		0.00	29.25	0.00		0.00
26.70	0.00		0.00	29.30	0.00		0.00
26.75	0.00		0.00	29.35	0.00		0.00
26.80	0.00		0.00	29.40	0.00		0.00
26.85	0.00		0.00	29.45	0.00		0.00
26.90	0.00		0.00	29.50	0.00		0.00
26.95	0.00		0.00	29.55	0.00		0.00
27.00	0.00		0.00	29.60	0.00		0.00
27.05	0.00		0.00	29.65	0.00		0.00
27.10	0.00		0.00	29.70	0.00		0.00
27.15	0.00		0.00	29.75	0.00		0.00
27.20	0.00		0.00	29.80	0.00		0.00
27.25	0.00		0.00	29.85	0.00		0.00
27.30	0.00		0.00	29.90	0.00		0.00
27.35	0.00		0.00	29.95	0.00		0.00
27.40	0.00		0.00	30.00	0.00		0.00
27.45	0.00		0.00				
27.50	0.00		0.00				
27.55	0.00		0.00				
27.60	0.00		0.00				
27.65	0.00		0.00				
27.70	0.00		0.00				
27.75	0.00		0.00				
27.80	0.00		0.00				
27.85	0.00		0.00				
27.90	0.00		0.00				
27.95	0.00		0.00				
28.00	0.00		0.00				
28.05	0.00		0.00				
28.10	0.00		0.00				
28.15	0.00		0.00				
28.20	0.00		0.00				
28.25	0.00		0.00				
28.30	0.00		0.00				
28.35	0.00		0.00				

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Summary for Pond Basin 1: Basin 1

Inflow Area = 3.200 ac, 34.38% Impervious, Inflow Depth > 1.09" for 2 year event
 Inflow = 2.23 cfs @ 12.19 hrs, Volume= 0.290 af
 Outflow = 0.33 cfs @ 13.24 hrs, Volume= 0.290 af, Atten= 85%, Lag= 62.8 min
 Discarded = 0.33 cfs @ 13.24 hrs, Volume= 0.290 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 90.29' @ 13.24 hrs Surf.Area= 0.115 ac Storage= 0.112 af

Plug-Flow detention time= 156.2 min calculated for 0.290 af (100% of inflow)
 Center-of-Mass det. time= 155.4 min (948.2 - 792.7)

Volume	Invert	Avail.Storage	Storage Description
#1	89.00'	0.885 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
89.00	0.050	0.000	0.000
90.00	0.100	0.075	0.075
91.00	0.150	0.125	0.200
92.00	0.200	0.175	0.375
93.00	0.250	0.225	0.600
94.00	0.320	0.285	0.885

Device	Routing	Invert	Outlet Devices
#1	Discarded	89.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 87.00'
#2	Primary	90.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	93.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.33 cfs @ 13.24 hrs HW=90.29' (Free Discharge)
 ↳1=Exfiltration (Controls 0.33 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=89.00' (Free Discharge)
 ↳2=Orifice/Grate (Controls 0.00 cfs)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 1: Basin 1

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.06	0.000	89.00	0.00	0.00	0.00
5.05	0.06	0.000	89.00	0.01	0.01	0.00
5.10	0.06	0.001	89.01	0.01	0.01	0.00
5.15	0.06	0.001	89.01	0.02	0.02	0.00
5.20	0.06	0.001	89.01	0.02	0.02	0.00
5.25	0.06	0.001	89.01	0.03	0.03	0.00
5.30	0.06	0.001	89.01	0.03	0.03	0.00
5.35	0.06	0.001	89.02	0.04	0.04	0.00
5.40	0.06	0.001	89.02	0.04	0.04	0.00
5.45	0.06	0.001	89.02	0.04	0.04	0.00
5.50	0.06	0.001	89.02	0.04	0.04	0.00
5.55	0.06	0.002	89.02	0.04	0.04	0.00
5.60	0.06	0.002	89.02	0.05	0.05	0.00
5.65	0.06	0.002	89.02	0.05	0.05	0.00
5.70	0.06	0.002	89.02	0.05	0.05	0.00
5.75	0.06	0.002	89.02	0.05	0.05	0.00
5.80	0.06	0.002	89.02	0.05	0.05	0.00
5.85	0.06	0.002	89.03	0.05	0.05	0.00
5.90	0.06	0.002	89.03	0.06	0.06	0.00
5.95	0.06	0.002	89.03	0.06	0.06	0.00
6.00	0.07	0.002	89.03	0.06	0.06	0.00
6.05	0.07	0.002	89.03	0.06	0.06	0.00
6.10	0.07	0.002	89.03	0.06	0.06	0.00
6.15	0.07	0.002	89.03	0.06	0.06	0.00
6.20	0.07	0.002	89.03	0.06	0.06	0.00
6.25	0.07	0.002	89.03	0.06	0.06	0.00
6.30	0.07	0.002	89.03	0.06	0.06	0.00
6.35	0.07	0.002	89.03	0.06	0.06	0.00
6.40	0.07	0.002	89.03	0.06	0.06	0.00
6.45	0.07	0.002	89.03	0.06	0.06	0.00
6.50	0.07	0.002	89.03	0.07	0.07	0.00
6.55	0.07	0.002	89.03	0.07	0.07	0.00
6.60	0.07	0.002	89.03	0.07	0.07	0.00
6.65	0.07	0.002	89.03	0.07	0.07	0.00
6.70	0.08	0.002	89.03	0.07	0.07	0.00
6.75	0.08	0.002	89.03	0.07	0.07	0.00
6.80	0.08	0.002	89.03	0.07	0.07	0.00
6.85	0.08	0.002	89.03	0.07	0.07	0.00
6.90	0.08	0.002	89.03	0.07	0.07	0.00
6.95	0.08	0.003	89.03	0.07	0.07	0.00
7.00	0.08	0.003	89.03	0.07	0.07	0.00
7.05	0.08	0.003	89.03	0.07	0.07	0.00
7.10	0.08	0.003	89.03	0.08	0.08	0.00
7.15	0.08	0.003	89.04	0.08	0.08	0.00
7.20	0.08	0.003	89.04	0.08	0.08	0.00
7.25	0.08	0.003	89.04	0.08	0.08	0.00
7.30	0.09	0.003	89.04	0.08	0.08	0.00
7.35	0.09	0.003	89.04	0.08	0.08	0.00
7.40	0.09	0.003	89.04	0.08	0.08	0.00
7.45	0.09	0.003	89.04	0.08	0.08	0.00
7.50	0.09	0.003	89.04	0.08	0.08	0.00
7.55	0.09	0.003	89.04	0.08	0.08	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.09	0.003	89.04	0.08	0.08	0.00
7.65	0.09	0.003	89.04	0.08	0.08	0.00
7.70	0.09	0.003	89.04	0.09	0.09	0.00
7.75	0.09	0.003	89.04	0.09	0.09	0.00
7.80	0.09	0.003	89.04	0.09	0.09	0.00
7.85	0.10	0.003	89.04	0.09	0.09	0.00
7.90	0.10	0.003	89.04	0.09	0.09	0.00
7.95	0.10	0.003	89.04	0.09	0.09	0.00
8.00	0.10	0.003	89.04	0.09	0.09	0.00
8.05	0.10	0.003	89.04	0.09	0.09	0.00
8.10	0.10	0.003	89.04	0.09	0.09	0.00
8.15	0.10	0.003	89.04	0.09	0.09	0.00
8.20	0.10	0.003	89.04	0.09	0.09	0.00
8.25	0.10	0.003	89.04	0.10	0.10	0.00
8.30	0.10	0.003	89.04	0.10	0.10	0.00
8.35	0.10	0.003	89.04	0.10	0.10	0.00
8.40	0.11	0.003	89.05	0.10	0.10	0.00
8.45	0.11	0.003	89.05	0.10	0.10	0.00
8.50	0.11	0.003	89.05	0.10	0.10	0.00
8.55	0.11	0.003	89.05	0.10	0.10	0.00
8.60	0.11	0.004	89.05	0.10	0.10	0.00
8.65	0.11	0.004	89.05	0.10	0.10	0.00
8.70	0.11	0.004	89.05	0.10	0.10	0.00
8.75	0.11	0.004	89.05	0.10	0.10	0.00
8.80	0.11	0.004	89.05	0.11	0.11	0.00
8.85	0.11	0.004	89.05	0.11	0.11	0.00
8.90	0.11	0.004	89.05	0.11	0.11	0.00
8.95	0.12	0.004	89.05	0.11	0.11	0.00
9.00	0.12	0.004	89.05	0.11	0.11	0.00
9.05	0.12	0.004	89.05	0.11	0.11	0.00
9.10	0.12	0.004	89.05	0.11	0.11	0.00
9.15	0.12	0.004	89.05	0.11	0.11	0.00
9.20	0.12	0.004	89.05	0.11	0.11	0.00
9.25	0.12	0.004	89.05	0.11	0.11	0.00
9.30	0.13	0.004	89.05	0.11	0.11	0.00
9.35	0.13	0.004	89.05	0.11	0.11	0.00
9.40	0.13	0.004	89.06	0.11	0.11	0.00
9.45	0.13	0.004	89.06	0.11	0.11	0.00
9.50	0.14	0.004	89.06	0.11	0.11	0.00
9.55	0.14	0.005	89.06	0.11	0.11	0.00
9.60	0.14	0.005	89.06	0.11	0.11	0.00
9.65	0.14	0.005	89.06	0.11	0.11	0.00
9.70	0.15	0.005	89.07	0.11	0.11	0.00
9.75	0.15	0.005	89.07	0.11	0.11	0.00
9.80	0.15	0.005	89.07	0.11	0.11	0.00
9.85	0.15	0.005	89.07	0.11	0.11	0.00
9.90	0.16	0.006	89.07	0.11	0.11	0.00
9.95	0.16	0.006	89.08	0.11	0.11	0.00
10.00	0.16	0.006	89.08	0.11	0.11	0.00
10.05	0.17	0.006	89.08	0.11	0.11	0.00
10.10	0.17	0.006	89.09	0.11	0.11	0.00
10.15	0.17	0.007	89.09	0.11	0.11	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.17	0.007	89.09	0.11	0.11	0.00
10.25	0.18	0.007	89.09	0.12	0.12	0.00
10.30	0.18	0.007	89.10	0.12	0.12	0.00
10.35	0.18	0.008	89.10	0.12	0.12	0.00
10.40	0.18	0.008	89.11	0.12	0.12	0.00
10.45	0.19	0.008	89.11	0.12	0.12	0.00
10.50	0.19	0.008	89.11	0.12	0.12	0.00
10.55	0.19	0.009	89.12	0.12	0.12	0.00
10.60	0.20	0.009	89.12	0.12	0.12	0.00
10.65	0.20	0.009	89.13	0.12	0.12	0.00
10.70	0.21	0.010	89.13	0.12	0.12	0.00
10.75	0.22	0.010	89.14	0.12	0.12	0.00
10.80	0.22	0.011	89.14	0.12	0.12	0.00
10.85	0.23	0.011	89.15	0.12	0.12	0.00
10.90	0.24	0.011	89.15	0.12	0.12	0.00
10.95	0.25	0.012	89.16	0.13	0.13	0.00
11.00	0.26	0.012	89.17	0.13	0.13	0.00
11.05	0.27	0.013	89.17	0.13	0.13	0.00
11.10	0.28	0.014	89.18	0.13	0.13	0.00
11.15	0.29	0.014	89.19	0.13	0.13	0.00
11.20	0.30	0.015	89.20	0.13	0.13	0.00
11.25	0.31	0.016	89.21	0.13	0.13	0.00
11.30	0.33	0.016	89.22	0.13	0.13	0.00
11.35	0.34	0.017	89.23	0.14	0.14	0.00
11.40	0.36	0.018	89.24	0.14	0.14	0.00
11.45	0.37	0.019	89.25	0.14	0.14	0.00
11.50	0.38	0.020	89.27	0.14	0.14	0.00
11.55	0.40	0.021	89.28	0.14	0.14	0.00
11.60	0.43	0.022	89.30	0.15	0.15	0.00
11.65	0.46	0.023	89.31	0.15	0.15	0.00
11.70	0.50	0.025	89.33	0.15	0.15	0.00
11.75	0.53	0.026	89.35	0.16	0.16	0.00
11.80	0.58	0.028	89.37	0.16	0.16	0.00
11.85	0.65	0.030	89.40	0.16	0.16	0.00
11.90	0.75	0.032	89.43	0.17	0.17	0.00
11.95	0.88	0.035	89.46	0.17	0.17	0.00
12.00	1.08	0.038	89.50	0.18	0.18	0.00
12.05	1.36	0.042	89.56	0.19	0.19	0.00
12.10	1.75	0.048	89.64	0.21	0.21	0.00
12.15	2.15	0.055	89.73	0.22	0.22	0.00
12.20	2.22	0.063	89.84	0.24	0.24	0.00
12.25	2.04	0.071	89.94	0.26	0.26	0.00
12.30	1.81	0.078	90.02	0.28	0.28	0.00
12.35	1.60	0.083	90.07	0.29	0.29	0.00
12.40	1.41	0.088	90.11	0.29	0.29	0.00
12.45	1.24	0.093	90.14	0.30	0.30	0.00
12.50	1.10	0.096	90.17	0.31	0.31	0.00
12.55	0.98	0.099	90.19	0.31	0.31	0.00
12.60	0.87	0.102	90.21	0.31	0.31	0.00
12.65	0.78	0.104	90.23	0.32	0.32	0.00
12.70	0.69	0.106	90.25	0.32	0.32	0.00
12.75	0.62	0.107	90.26	0.32	0.32	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.57	0.108	90.27	0.32	0.32	0.00
12.85	0.52	0.109	90.27	0.33	0.33	0.00
12.90	0.48	0.110	90.28	0.33	0.33	0.00
12.95	0.45	0.110	90.28	0.33	0.33	0.00
13.00	0.43	0.111	90.29	0.33	0.33	0.00
13.05	0.40	0.111	90.29	0.33	0.33	0.00
13.10	0.38	0.111	90.29	0.33	0.33	0.00
13.15	0.36	0.112	90.29	0.33	0.33	0.00
13.20	0.34	0.112	90.29	0.33	0.33	0.00
13.25	0.33	0.112	90.29	0.33	0.33	0.00
13.30	0.31	0.112	90.29	0.33	0.33	0.00
13.35	0.30	0.112	90.29	0.33	0.33	0.00
13.40	0.29	0.111	90.29	0.33	0.33	0.00
13.45	0.28	0.111	90.29	0.33	0.33	0.00
13.50	0.27	0.111	90.29	0.33	0.33	0.00
13.55	0.26	0.111	90.29	0.33	0.33	0.00
13.60	0.25	0.110	90.28	0.33	0.33	0.00
13.65	0.24	0.110	90.28	0.33	0.33	0.00
13.70	0.23	0.110	90.28	0.33	0.33	0.00
13.75	0.22	0.109	90.27	0.33	0.33	0.00
13.80	0.22	0.109	90.27	0.33	0.33	0.00
13.85	0.21	0.108	90.27	0.32	0.32	0.00
13.90	0.21	0.108	90.26	0.32	0.32	0.00
13.95	0.20	0.107	90.26	0.32	0.32	0.00
14.00	0.20	0.107	90.26	0.32	0.32	0.00
14.05	0.20	0.106	90.25	0.32	0.32	0.00
14.10	0.19	0.106	90.25	0.32	0.32	0.00
14.15	0.19	0.105	90.24	0.32	0.32	0.00
14.20	0.19	0.105	90.24	0.32	0.32	0.00
14.25	0.18	0.104	90.23	0.32	0.32	0.00
14.30	0.18	0.104	90.23	0.32	0.32	0.00
14.35	0.18	0.103	90.23	0.32	0.32	0.00
14.40	0.18	0.103	90.22	0.32	0.32	0.00
14.45	0.17	0.102	90.22	0.31	0.31	0.00
14.50	0.17	0.101	90.21	0.31	0.31	0.00
14.55	0.17	0.101	90.21	0.31	0.31	0.00
14.60	0.17	0.100	90.20	0.31	0.31	0.00
14.65	0.16	0.100	90.20	0.31	0.31	0.00
14.70	0.16	0.099	90.19	0.31	0.31	0.00
14.75	0.16	0.098	90.19	0.31	0.31	0.00
14.80	0.15	0.098	90.18	0.31	0.31	0.00
14.85	0.15	0.097	90.18	0.31	0.31	0.00
14.90	0.15	0.096	90.17	0.31	0.31	0.00
14.95	0.15	0.096	90.17	0.30	0.30	0.00
15.00	0.14	0.095	90.16	0.30	0.30	0.00
15.05	0.14	0.095	90.16	0.30	0.30	0.00
15.10	0.14	0.094	90.15	0.30	0.30	0.00
15.15	0.14	0.093	90.15	0.30	0.30	0.00
15.20	0.13	0.092	90.14	0.30	0.30	0.00
15.25	0.13	0.092	90.13	0.30	0.30	0.00
15.30	0.13	0.091	90.13	0.30	0.30	0.00
15.35	0.13	0.090	90.12	0.30	0.30	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.13	0.090	90.12	0.30	0.30	0.00
15.45	0.13	0.089	90.11	0.29	0.29	0.00
15.50	0.13	0.088	90.11	0.29	0.29	0.00
15.55	0.12	0.088	90.10	0.29	0.29	0.00
15.60	0.12	0.087	90.10	0.29	0.29	0.00
15.65	0.12	0.086	90.09	0.29	0.29	0.00
15.70	0.12	0.086	90.08	0.29	0.29	0.00
15.75	0.12	0.085	90.08	0.29	0.29	0.00
15.80	0.12	0.084	90.07	0.29	0.29	0.00
15.85	0.12	0.083	90.07	0.29	0.29	0.00
15.90	0.12	0.083	90.06	0.28	0.28	0.00
15.95	0.12	0.082	90.06	0.28	0.28	0.00
16.00	0.12	0.081	90.05	0.28	0.28	0.00
16.05	0.12	0.081	90.05	0.28	0.28	0.00
16.10	0.11	0.080	90.04	0.28	0.28	0.00
16.15	0.11	0.079	90.03	0.28	0.28	0.00
16.20	0.11	0.079	90.03	0.28	0.28	0.00
16.25	0.11	0.078	90.02	0.28	0.28	0.00
16.30	0.11	0.077	90.02	0.28	0.28	0.00
16.35	0.11	0.077	90.01	0.28	0.28	0.00
16.40	0.11	0.076	90.01	0.27	0.27	0.00
16.45	0.11	0.075	90.00	0.27	0.27	0.00
16.50	0.11	0.075	89.99	0.27	0.27	0.00
16.55	0.11	0.074	89.99	0.27	0.27	0.00
16.60	0.11	0.073	89.98	0.27	0.27	0.00
16.65	0.11	0.073	89.97	0.27	0.27	0.00
16.70	0.10	0.072	89.96	0.26	0.26	0.00
16.75	0.10	0.071	89.95	0.26	0.26	0.00
16.80	0.10	0.071	89.94	0.26	0.26	0.00
16.85	0.10	0.070	89.93	0.26	0.26	0.00
16.90	0.10	0.069	89.92	0.26	0.26	0.00
16.95	0.10	0.069	89.92	0.26	0.26	0.00
17.00	0.10	0.068	89.91	0.26	0.26	0.00
17.05	0.10	0.067	89.90	0.25	0.25	0.00
17.10	0.10	0.067	89.89	0.25	0.25	0.00
17.15	0.10	0.066	89.88	0.25	0.25	0.00
17.20	0.10	0.065	89.87	0.25	0.25	0.00
17.25	0.10	0.065	89.86	0.25	0.25	0.00
17.30	0.09	0.064	89.86	0.25	0.25	0.00
17.35	0.09	0.064	89.85	0.24	0.24	0.00
17.40	0.09	0.063	89.84	0.24	0.24	0.00
17.45	0.09	0.062	89.83	0.24	0.24	0.00
17.50	0.09	0.062	89.82	0.24	0.24	0.00
17.55	0.09	0.061	89.82	0.24	0.24	0.00
17.60	0.09	0.061	89.81	0.24	0.24	0.00
17.65	0.09	0.060	89.80	0.24	0.24	0.00
17.70	0.09	0.059	89.79	0.23	0.23	0.00
17.75	0.09	0.059	89.78	0.23	0.23	0.00
17.80	0.09	0.058	89.78	0.23	0.23	0.00
17.85	0.09	0.058	89.77	0.23	0.23	0.00
17.90	0.09	0.057	89.76	0.23	0.23	0.00
17.95	0.08	0.056	89.75	0.23	0.23	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.08	0.056	89.74	0.22	0.22	0.00
18.05	0.08	0.055	89.74	0.22	0.22	0.00
18.10	0.08	0.055	89.73	0.22	0.22	0.00
18.15	0.08	0.054	89.72	0.22	0.22	0.00
18.20	0.08	0.053	89.71	0.22	0.22	0.00
18.25	0.08	0.053	89.71	0.22	0.22	0.00
18.30	0.08	0.052	89.70	0.22	0.22	0.00
18.35	0.08	0.052	89.69	0.22	0.22	0.00
18.40	0.08	0.051	89.68	0.21	0.21	0.00
18.45	0.08	0.051	89.68	0.21	0.21	0.00
18.50	0.08	0.050	89.67	0.21	0.21	0.00
18.55	0.08	0.050	89.66	0.21	0.21	0.00
18.60	0.08	0.049	89.65	0.21	0.21	0.00
18.65	0.08	0.048	89.65	0.21	0.21	0.00
18.70	0.08	0.048	89.64	0.21	0.21	0.00
18.75	0.08	0.047	89.63	0.20	0.20	0.00
18.80	0.08	0.047	89.62	0.20	0.20	0.00
18.85	0.08	0.046	89.62	0.20	0.20	0.00
18.90	0.08	0.046	89.61	0.20	0.20	0.00
18.95	0.08	0.045	89.60	0.20	0.20	0.00
19.00	0.08	0.045	89.60	0.20	0.20	0.00
19.05	0.08	0.044	89.59	0.20	0.20	0.00
19.10	0.08	0.044	89.58	0.20	0.20	0.00
19.15	0.08	0.043	89.58	0.20	0.20	0.00
19.20	0.08	0.043	89.57	0.19	0.19	0.00
19.25	0.08	0.042	89.56	0.19	0.19	0.00
19.30	0.08	0.042	89.56	0.19	0.19	0.00
19.35	0.08	0.041	89.55	0.19	0.19	0.00
19.40	0.08	0.041	89.55	0.19	0.19	0.00
19.45	0.07	0.040	89.54	0.19	0.19	0.00
19.50	0.07	0.040	89.53	0.19	0.19	0.00
19.55	0.07	0.039	89.53	0.19	0.19	0.00
19.60	0.07	0.039	89.52	0.19	0.19	0.00
19.65	0.07	0.039	89.51	0.18	0.18	0.00
19.70	0.07	0.038	89.51	0.18	0.18	0.00
19.75	0.07	0.038	89.50	0.18	0.18	0.00
19.80	0.07	0.037	89.50	0.18	0.18	0.00
19.85	0.07	0.037	89.49	0.18	0.18	0.00
19.90	0.07	0.036	89.48	0.18	0.18	0.00
19.95	0.07	0.036	89.48	0.18	0.18	0.00
20.00	0.07	0.035	89.47	0.18	0.18	0.00
20.05	0.07	0.035	89.47	0.18	0.18	0.00
20.10	0.07	0.035	89.46	0.18	0.18	0.00
20.15	0.07	0.034	89.46	0.17	0.17	0.00
20.20	0.07	0.034	89.45	0.17	0.17	0.00
20.25	0.07	0.033	89.45	0.17	0.17	0.00
20.30	0.07	0.033	89.44	0.17	0.17	0.00
20.35	0.07	0.033	89.43	0.17	0.17	0.00
20.40	0.07	0.032	89.43	0.17	0.17	0.00
20.45	0.07	0.032	89.42	0.17	0.17	0.00
20.50	0.07	0.031	89.42	0.17	0.17	0.00
20.55	0.07	0.031	89.41	0.17	0.17	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.07	0.031	89.41	0.17	0.17	0.00
20.65	0.07	0.030	89.40	0.17	0.17	0.00
20.70	0.07	0.030	89.40	0.16	0.16	0.00
20.75	0.07	0.029	89.39	0.16	0.16	0.00
20.80	0.07	0.029	89.39	0.16	0.16	0.00
20.85	0.07	0.029	89.38	0.16	0.16	0.00
20.90	0.07	0.028	89.38	0.16	0.16	0.00
20.95	0.07	0.028	89.37	0.16	0.16	0.00
21.00	0.07	0.028	89.37	0.16	0.16	0.00
21.05	0.07	0.027	89.36	0.16	0.16	0.00
21.10	0.07	0.027	89.36	0.16	0.16	0.00
21.15	0.07	0.026	89.35	0.16	0.16	0.00
21.20	0.07	0.026	89.35	0.16	0.16	0.00
21.25	0.07	0.026	89.34	0.16	0.16	0.00
21.30	0.07	0.025	89.34	0.15	0.15	0.00
21.35	0.07	0.025	89.33	0.15	0.15	0.00
21.40	0.07	0.025	89.33	0.15	0.15	0.00
21.45	0.07	0.024	89.32	0.15	0.15	0.00
21.50	0.07	0.024	89.32	0.15	0.15	0.00
21.55	0.07	0.024	89.32	0.15	0.15	0.00
21.60	0.07	0.023	89.31	0.15	0.15	0.00
21.65	0.07	0.023	89.31	0.15	0.15	0.00
21.70	0.07	0.023	89.30	0.15	0.15	0.00
21.75	0.07	0.022	89.30	0.15	0.15	0.00
21.80	0.07	0.022	89.29	0.15	0.15	0.00
21.85	0.07	0.022	89.29	0.15	0.15	0.00
21.90	0.07	0.021	89.28	0.15	0.15	0.00
21.95	0.07	0.021	89.28	0.14	0.14	0.00
22.00	0.07	0.021	89.28	0.14	0.14	0.00
22.05	0.07	0.020	89.27	0.14	0.14	0.00
22.10	0.07	0.020	89.27	0.14	0.14	0.00
22.15	0.07	0.020	89.26	0.14	0.14	0.00
22.20	0.07	0.019	89.26	0.14	0.14	0.00
22.25	0.07	0.019	89.26	0.14	0.14	0.00
22.30	0.07	0.019	89.25	0.14	0.14	0.00
22.35	0.07	0.019	89.25	0.14	0.14	0.00
22.40	0.07	0.018	89.24	0.14	0.14	0.00
22.45	0.07	0.018	89.24	0.14	0.14	0.00
22.50	0.07	0.018	89.23	0.14	0.14	0.00
22.55	0.06	0.017	89.23	0.14	0.14	0.00
22.60	0.06	0.017	89.23	0.14	0.14	0.00
22.65	0.06	0.017	89.22	0.14	0.14	0.00
22.70	0.06	0.016	89.22	0.13	0.13	0.00
22.75	0.06	0.016	89.22	0.13	0.13	0.00
22.80	0.06	0.016	89.21	0.13	0.13	0.00
22.85	0.06	0.016	89.21	0.13	0.13	0.00
22.90	0.06	0.015	89.20	0.13	0.13	0.00
22.95	0.06	0.015	89.20	0.13	0.13	0.00
23.00	0.06	0.015	89.20	0.13	0.13	0.00
23.05	0.06	0.014	89.19	0.13	0.13	0.00
23.10	0.06	0.014	89.19	0.13	0.13	0.00
23.15	0.06	0.014	89.19	0.13	0.13	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.06	0.014	89.18	0.13	0.13	0.00
23.25	0.06	0.013	89.18	0.13	0.13	0.00
23.30	0.06	0.013	89.17	0.13	0.13	0.00
23.35	0.06	0.013	89.17	0.13	0.13	0.00
23.40	0.06	0.013	89.17	0.13	0.13	0.00
23.45	0.06	0.012	89.16	0.13	0.13	0.00
23.50	0.06	0.012	89.16	0.13	0.13	0.00
23.55	0.06	0.012	89.16	0.12	0.12	0.00
23.60	0.06	0.011	89.15	0.12	0.12	0.00
23.65	0.06	0.011	89.15	0.12	0.12	0.00
23.70	0.06	0.011	89.15	0.12	0.12	0.00
23.75	0.06	0.011	89.14	0.12	0.12	0.00
23.80	0.06	0.010	89.14	0.12	0.12	0.00
23.85	0.06	0.010	89.14	0.12	0.12	0.00
23.90	0.06	0.010	89.13	0.12	0.12	0.00
23.95	0.06	0.010	89.13	0.12	0.12	0.00
24.00	0.06	0.009	89.13	0.12	0.12	0.00
24.05	0.06	0.009	89.12	0.12	0.12	0.00
24.10	0.05	0.009	89.12	0.12	0.12	0.00
24.15	0.04	0.009	89.11	0.12	0.12	0.00
24.20	0.03	0.008	89.11	0.12	0.12	0.00
24.25	0.03	0.008	89.11	0.12	0.12	0.00
24.30	0.02	0.008	89.10	0.12	0.12	0.00
24.35	0.02	0.007	89.10	0.12	0.12	0.00
24.40	0.01	0.007	89.09	0.11	0.11	0.00
24.45	0.01	0.006	89.08	0.11	0.11	0.00
24.50	0.01	0.006	89.08	0.11	0.11	0.00
24.55	0.01	0.005	89.07	0.11	0.11	0.00
24.60	0.01	0.005	89.07	0.11	0.11	0.00
24.65	0.00	0.005	89.06	0.11	0.11	0.00
24.70	0.00	0.004	89.06	0.11	0.11	0.00
24.75	0.00	0.004	89.05	0.11	0.11	0.00
24.80	0.00	0.003	89.04	0.10	0.10	0.00
24.85	0.00	0.003	89.04	0.08	0.08	0.00
24.90	0.00	0.003	89.03	0.08	0.08	0.00
24.95	0.00	0.002	89.03	0.07	0.07	0.00
25.00	0.00	0.002	89.03	0.06	0.06	0.00
25.05	0.00	0.002	89.02	0.05	0.05	0.00
25.10	0.00	0.002	89.02	0.05	0.05	0.00
25.15	0.00	0.001	89.02	0.04	0.04	0.00
25.20	0.00	0.001	89.02	0.04	0.04	0.00
25.25	0.00	0.001	89.02	0.03	0.03	0.00
25.30	0.00	0.001	89.01	0.03	0.03	0.00
25.35	0.00	0.001	89.01	0.03	0.03	0.00
25.40	0.00	0.001	89.01	0.02	0.02	0.00
25.45	0.00	0.001	89.01	0.02	0.02	0.00
25.50	0.00	0.001	89.01	0.02	0.02	0.00
25.55	0.00	0.001	89.01	0.02	0.02	0.00
25.60	0.00	0.001	89.01	0.01	0.01	0.00
25.65	0.00	0.000	89.01	0.01	0.01	0.00
25.70	0.00	0.000	89.01	0.01	0.01	0.00
25.75	0.00	0.000	89.01	0.01	0.01	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	89.00	0.01	0.01	0.00
25.85	0.00	0.000	89.00	0.01	0.01	0.00
25.90	0.00	0.000	89.00	0.01	0.01	0.00
25.95	0.00	0.000	89.00	0.01	0.01	0.00
26.00	0.00	0.000	89.00	0.01	0.01	0.00
26.05	0.00	0.000	89.00	0.01	0.01	0.00
26.10	0.00	0.000	89.00	0.00	0.00	0.00
26.15	0.00	0.000	89.00	0.00	0.00	0.00
26.20	0.00	0.000	89.00	0.00	0.00	0.00
26.25	0.00	0.000	89.00	0.00	0.00	0.00
26.30	0.00	0.000	89.00	0.00	0.00	0.00
26.35	0.00	0.000	89.00	0.00	0.00	0.00
26.40	0.00	0.000	89.00	0.00	0.00	0.00
26.45	0.00	0.000	89.00	0.00	0.00	0.00
26.50	0.00	0.000	89.00	0.00	0.00	0.00
26.55	0.00	0.000	89.00	0.00	0.00	0.00
26.60	0.00	0.000	89.00	0.00	0.00	0.00
26.65	0.00	0.000	89.00	0.00	0.00	0.00
26.70	0.00	0.000	89.00	0.00	0.00	0.00
26.75	0.00	0.000	89.00	0.00	0.00	0.00
26.80	0.00	0.000	89.00	0.00	0.00	0.00
26.85	0.00	0.000	89.00	0.00	0.00	0.00
26.90	0.00	0.000	89.00	0.00	0.00	0.00
26.95	0.00	0.000	89.00	0.00	0.00	0.00
27.00	0.00	0.000	89.00	0.00	0.00	0.00
27.05	0.00	0.000	89.00	0.00	0.00	0.00
27.10	0.00	0.000	89.00	0.00	0.00	0.00
27.15	0.00	0.000	89.00	0.00	0.00	0.00
27.20	0.00	0.000	89.00	0.00	0.00	0.00
27.25	0.00	0.000	89.00	0.00	0.00	0.00
27.30	0.00	0.000	89.00	0.00	0.00	0.00
27.35	0.00	0.000	89.00	0.00	0.00	0.00
27.40	0.00	0.000	89.00	0.00	0.00	0.00
27.45	0.00	0.000	89.00	0.00	0.00	0.00
27.50	0.00	0.000	89.00	0.00	0.00	0.00
27.55	0.00	0.000	89.00	0.00	0.00	0.00
27.60	0.00	0.000	89.00	0.00	0.00	0.00
27.65	0.00	0.000	89.00	0.00	0.00	0.00
27.70	0.00	0.000	89.00	0.00	0.00	0.00
27.75	0.00	0.000	89.00	0.00	0.00	0.00
27.80	0.00	0.000	89.00	0.00	0.00	0.00
27.85	0.00	0.000	89.00	0.00	0.00	0.00
27.90	0.00	0.000	89.00	0.00	0.00	0.00
27.95	0.00	0.000	89.00	0.00	0.00	0.00
28.00	0.00	0.000	89.00	0.00	0.00	0.00
28.05	0.00	0.000	89.00	0.00	0.00	0.00
28.10	0.00	0.000	89.00	0.00	0.00	0.00
28.15	0.00	0.000	89.00	0.00	0.00	0.00
28.20	0.00	0.000	89.00	0.00	0.00	0.00
28.25	0.00	0.000	89.00	0.00	0.00	0.00
28.30	0.00	0.000	89.00	0.00	0.00	0.00
28.35	0.00	0.000	89.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	89.00	0.00	0.00	0.00
28.45	0.00	0.000	89.00	0.00	0.00	0.00
28.50	0.00	0.000	89.00	0.00	0.00	0.00
28.55	0.00	0.000	89.00	0.00	0.00	0.00
28.60	0.00	0.000	89.00	0.00	0.00	0.00
28.65	0.00	0.000	89.00	0.00	0.00	0.00
28.70	0.00	0.000	89.00	0.00	0.00	0.00
28.75	0.00	0.000	89.00	0.00	0.00	0.00
28.80	0.00	0.000	89.00	0.00	0.00	0.00
28.85	0.00	0.000	89.00	0.00	0.00	0.00
28.90	0.00	0.000	89.00	0.00	0.00	0.00
28.95	0.00	0.000	89.00	0.00	0.00	0.00
29.00	0.00	0.000	89.00	0.00	0.00	0.00
29.05	0.00	0.000	89.00	0.00	0.00	0.00
29.10	0.00	0.000	89.00	0.00	0.00	0.00
29.15	0.00	0.000	89.00	0.00	0.00	0.00
29.20	0.00	0.000	89.00	0.00	0.00	0.00
29.25	0.00	0.000	89.00	0.00	0.00	0.00
29.30	0.00	0.000	89.00	0.00	0.00	0.00
29.35	0.00	0.000	89.00	0.00	0.00	0.00
29.40	0.00	0.000	89.00	0.00	0.00	0.00
29.45	0.00	0.000	89.00	0.00	0.00	0.00
29.50	0.00	0.000	89.00	0.00	0.00	0.00
29.55	0.00	0.000	89.00	0.00	0.00	0.00
29.60	0.00	0.000	89.00	0.00	0.00	0.00
29.65	0.00	0.000	89.00	0.00	0.00	0.00
29.70	0.00	0.000	89.00	0.00	0.00	0.00
29.75	0.00	0.000	89.00	0.00	0.00	0.00
29.80	0.00	0.000	89.00	0.00	0.00	0.00
29.85	0.00	0.000	89.00	0.00	0.00	0.00
29.90	0.00	0.000	89.00	0.00	0.00	0.00
29.95	0.00	0.000	89.00	0.00	0.00	0.00
30.00	0.00	0.000	89.00	0.00	0.00	0.00

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Summary for Pond Basin 2: Basin 2

Inflow Area = 3.200 ac, 35.94% Impervious, Inflow Depth > 1.14" for 2 year event
 Inflow = 2.33 cfs @ 12.19 hrs, Volume= 0.303 af
 Outflow = 0.38 cfs @ 13.14 hrs, Volume= 0.303 af, Atten= 84%, Lag= 56.8 min
 Discarded = 0.38 cfs @ 13.14 hrs, Volume= 0.303 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 87.86' @ 13.14 hrs Surf.Area= 0.142 ac Storage= 0.103 af

Plug-Flow detention time= 108.8 min calculated for 0.303 af (100% of inflow)
 Center-of-Mass det. time= 108.1 min (900.6 - 792.6)

Volume	Invert	Avail.Storage	Storage Description
#1	87.00'	1.330 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
87.00	0.090	0.000	0.000
88.00	0.150	0.120	0.120
89.00	0.230	0.190	0.310
90.00	0.300	0.265	0.575
91.00	0.380	0.340	0.915
92.00	0.450	0.415	1.330

Device	Routing	Invert	Outlet Devices
#1	Discarded	87.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 85.00'
#2	Primary	88.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	91.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.38 cfs @ 13.14 hrs HW=87.86' (Free Discharge)
 ↳1=Exfiltration (Controls 0.38 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=87.00' (Free Discharge)
 ↳2=Orifice/Grate (Controls 0.00 cfs)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 2: Basin 2

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.06	0.000	87.00	0.00	0.00	0.00
5.05	0.06	0.000	87.00	0.01	0.01	0.00
5.10	0.06	0.001	87.00	0.02	0.02	0.00
5.15	0.06	0.001	87.01	0.02	0.02	0.00
5.20	0.06	0.001	87.01	0.03	0.03	0.00
5.25	0.06	0.001	87.01	0.03	0.03	0.00
5.30	0.06	0.001	87.01	0.04	0.04	0.00
5.35	0.06	0.001	87.01	0.04	0.04	0.00
5.40	0.06	0.001	87.01	0.04	0.04	0.00
5.45	0.06	0.001	87.01	0.04	0.04	0.00
5.50	0.06	0.001	87.01	0.05	0.05	0.00
5.55	0.06	0.002	87.01	0.05	0.05	0.00
5.60	0.07	0.002	87.01	0.05	0.05	0.00
5.65	0.07	0.002	87.01	0.05	0.05	0.00
5.70	0.07	0.002	87.01	0.05	0.05	0.00
5.75	0.07	0.002	87.01	0.06	0.06	0.00
5.80	0.07	0.002	87.01	0.06	0.06	0.00
5.85	0.07	0.002	87.02	0.06	0.06	0.00
5.90	0.07	0.002	87.02	0.06	0.06	0.00
5.95	0.07	0.002	87.02	0.06	0.06	0.00
6.00	0.07	0.002	87.02	0.06	0.06	0.00
6.05	0.07	0.002	87.02	0.06	0.06	0.00
6.10	0.07	0.002	87.02	0.06	0.06	0.00
6.15	0.07	0.002	87.02	0.06	0.06	0.00
6.20	0.07	0.002	87.02	0.06	0.06	0.00
6.25	0.07	0.002	87.02	0.07	0.07	0.00
6.30	0.07	0.002	87.02	0.07	0.07	0.00
6.35	0.07	0.002	87.02	0.07	0.07	0.00
6.40	0.07	0.002	87.02	0.07	0.07	0.00
6.45	0.07	0.002	87.02	0.07	0.07	0.00
6.50	0.08	0.002	87.02	0.07	0.07	0.00
6.55	0.08	0.002	87.02	0.07	0.07	0.00
6.60	0.08	0.002	87.02	0.07	0.07	0.00
6.65	0.08	0.002	87.02	0.07	0.07	0.00
6.70	0.08	0.002	87.02	0.07	0.07	0.00
6.75	0.08	0.002	87.02	0.07	0.07	0.00
6.80	0.08	0.002	87.02	0.07	0.07	0.00
6.85	0.08	0.002	87.02	0.07	0.07	0.00
6.90	0.08	0.002	87.02	0.08	0.08	0.00
6.95	0.08	0.002	87.02	0.08	0.08	0.00
7.00	0.08	0.002	87.02	0.08	0.08	0.00
7.05	0.09	0.002	87.02	0.08	0.08	0.00
7.10	0.09	0.002	87.02	0.08	0.08	0.00
7.15	0.09	0.003	87.02	0.08	0.08	0.00
7.20	0.09	0.003	87.02	0.08	0.08	0.00
7.25	0.09	0.003	87.02	0.08	0.08	0.00
7.30	0.09	0.003	87.02	0.08	0.08	0.00
7.35	0.09	0.003	87.02	0.08	0.08	0.00
7.40	0.09	0.003	87.02	0.08	0.08	0.00
7.45	0.09	0.003	87.02	0.09	0.09	0.00
7.50	0.09	0.003	87.02	0.09	0.09	0.00
7.55	0.09	0.003	87.02	0.09	0.09	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.10	0.003	87.02	0.09	0.09	0.00
7.65	0.10	0.003	87.02	0.09	0.09	0.00
7.70	0.10	0.003	87.02	0.09	0.09	0.00
7.75	0.10	0.003	87.02	0.09	0.09	0.00
7.80	0.10	0.003	87.02	0.09	0.09	0.00
7.85	0.10	0.003	87.02	0.09	0.09	0.00
7.90	0.10	0.003	87.02	0.09	0.09	0.00
7.95	0.10	0.003	87.02	0.09	0.09	0.00
8.00	0.10	0.003	87.02	0.10	0.10	0.00
8.05	0.10	0.003	87.03	0.10	0.10	0.00
8.10	0.10	0.003	87.03	0.10	0.10	0.00
8.15	0.11	0.003	87.03	0.10	0.10	0.00
8.20	0.11	0.003	87.03	0.10	0.10	0.00
8.25	0.11	0.003	87.03	0.10	0.10	0.00
8.30	0.11	0.003	87.03	0.10	0.10	0.00
8.35	0.11	0.003	87.03	0.10	0.10	0.00
8.40	0.11	0.003	87.03	0.10	0.10	0.00
8.45	0.11	0.003	87.03	0.10	0.10	0.00
8.50	0.11	0.003	87.03	0.11	0.11	0.00
8.55	0.11	0.003	87.03	0.11	0.11	0.00
8.60	0.11	0.003	87.03	0.11	0.11	0.00
8.65	0.11	0.003	87.03	0.11	0.11	0.00
8.70	0.12	0.003	87.03	0.11	0.11	0.00
8.75	0.12	0.003	87.03	0.11	0.11	0.00
8.80	0.12	0.003	87.03	0.11	0.11	0.00
8.85	0.12	0.003	87.03	0.11	0.11	0.00
8.90	0.12	0.004	87.03	0.11	0.11	0.00
8.95	0.12	0.004	87.03	0.11	0.11	0.00
9.00	0.12	0.004	87.03	0.11	0.11	0.00
9.05	0.12	0.004	87.03	0.12	0.12	0.00
9.10	0.12	0.004	87.03	0.12	0.12	0.00
9.15	0.13	0.004	87.03	0.12	0.12	0.00
9.20	0.13	0.004	87.03	0.12	0.12	0.00
9.25	0.13	0.004	87.03	0.12	0.12	0.00
9.30	0.13	0.004	87.03	0.12	0.12	0.00
9.35	0.13	0.004	87.03	0.12	0.12	0.00
9.40	0.14	0.004	87.03	0.12	0.12	0.00
9.45	0.14	0.004	87.03	0.13	0.13	0.00
9.50	0.14	0.004	87.03	0.13	0.13	0.00
9.55	0.14	0.004	87.03	0.13	0.13	0.00
9.60	0.15	0.004	87.03	0.13	0.13	0.00
9.65	0.15	0.004	87.03	0.13	0.13	0.00
9.70	0.15	0.004	87.04	0.14	0.14	0.00
9.75	0.16	0.004	87.04	0.14	0.14	0.00
9.80	0.16	0.004	87.04	0.14	0.14	0.00
9.85	0.16	0.004	87.04	0.14	0.14	0.00
9.90	0.16	0.005	87.04	0.15	0.15	0.00
9.95	0.17	0.005	87.04	0.15	0.15	0.00
10.00	0.17	0.005	87.04	0.15	0.15	0.00
10.05	0.17	0.005	87.04	0.15	0.15	0.00
10.10	0.18	0.005	87.04	0.16	0.16	0.00
10.15	0.18	0.005	87.04	0.16	0.16	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.18	0.005	87.04	0.16	0.16	0.00
10.25	0.18	0.005	87.04	0.16	0.16	0.00
10.30	0.19	0.005	87.04	0.17	0.17	0.00
10.35	0.19	0.005	87.04	0.17	0.17	0.00
10.40	0.19	0.005	87.04	0.17	0.17	0.00
10.45	0.20	0.005	87.05	0.17	0.17	0.00
10.50	0.20	0.006	87.05	0.18	0.18	0.00
10.55	0.20	0.006	87.05	0.18	0.18	0.00
10.60	0.21	0.006	87.05	0.18	0.18	0.00
10.65	0.21	0.006	87.05	0.19	0.19	0.00
10.70	0.22	0.006	87.05	0.19	0.19	0.00
10.75	0.23	0.006	87.05	0.19	0.19	0.00
10.80	0.23	0.006	87.05	0.19	0.19	0.00
10.85	0.24	0.006	87.05	0.19	0.19	0.00
10.90	0.25	0.007	87.06	0.19	0.19	0.00
10.95	0.26	0.007	87.06	0.19	0.19	0.00
11.00	0.27	0.007	87.06	0.19	0.19	0.00
11.05	0.28	0.007	87.06	0.19	0.19	0.00
11.10	0.29	0.008	87.07	0.20	0.20	0.00
11.15	0.30	0.008	87.07	0.20	0.20	0.00
11.20	0.31	0.009	87.07	0.20	0.20	0.00
11.25	0.33	0.009	87.08	0.20	0.20	0.00
11.30	0.34	0.010	87.08	0.20	0.20	0.00
11.35	0.36	0.010	87.09	0.20	0.20	0.00
11.40	0.37	0.011	87.09	0.20	0.20	0.00
11.45	0.39	0.012	87.10	0.20	0.20	0.00
11.50	0.40	0.013	87.11	0.20	0.20	0.00
11.55	0.42	0.013	87.11	0.21	0.21	0.00
11.60	0.45	0.014	87.12	0.21	0.21	0.00
11.65	0.48	0.015	87.13	0.21	0.21	0.00
11.70	0.52	0.017	87.14	0.21	0.21	0.00
11.75	0.55	0.018	87.15	0.21	0.21	0.00
11.80	0.61	0.020	87.16	0.22	0.22	0.00
11.85	0.68	0.021	87.18	0.22	0.22	0.00
11.90	0.78	0.023	87.19	0.22	0.22	0.00
11.95	0.92	0.026	87.22	0.23	0.23	0.00
12.00	1.13	0.029	87.24	0.23	0.23	0.00
12.05	1.42	0.033	87.28	0.24	0.24	0.00
12.10	1.83	0.039	87.33	0.25	0.25	0.00
12.15	2.24	0.047	87.39	0.27	0.27	0.00
12.20	2.32	0.055	87.46	0.28	0.28	0.00
12.25	2.13	0.063	87.52	0.30	0.30	0.00
12.30	1.90	0.070	87.58	0.31	0.31	0.00
12.35	1.68	0.076	87.63	0.33	0.33	0.00
12.40	1.47	0.081	87.68	0.34	0.34	0.00
12.45	1.29	0.085	87.71	0.34	0.34	0.00
12.50	1.15	0.089	87.74	0.35	0.35	0.00
12.55	1.02	0.092	87.77	0.36	0.36	0.00
12.60	0.91	0.095	87.79	0.36	0.36	0.00
12.65	0.81	0.097	87.80	0.37	0.37	0.00
12.70	0.72	0.098	87.82	0.37	0.37	0.00
12.75	0.65	0.100	87.83	0.37	0.37	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.59	0.101	87.84	0.38	0.38	0.00
12.85	0.54	0.101	87.84	0.38	0.38	0.00
12.90	0.51	0.102	87.85	0.38	0.38	0.00
12.95	0.47	0.102	87.85	0.38	0.38	0.00
13.00	0.45	0.103	87.86	0.38	0.38	0.00
13.05	0.42	0.103	87.86	0.38	0.38	0.00
13.10	0.40	0.103	87.86	0.38	0.38	0.00
13.15	0.38	0.103	87.86	0.38	0.38	0.00
13.20	0.36	0.103	87.86	0.38	0.38	0.00
13.25	0.34	0.103	87.86	0.38	0.38	0.00
13.30	0.33	0.103	87.86	0.38	0.38	0.00
13.35	0.31	0.102	87.85	0.38	0.38	0.00
13.40	0.30	0.102	87.85	0.38	0.38	0.00
13.45	0.29	0.102	87.85	0.38	0.38	0.00
13.50	0.28	0.101	87.84	0.38	0.38	0.00
13.55	0.27	0.101	87.84	0.38	0.38	0.00
13.60	0.26	0.101	87.84	0.38	0.38	0.00
13.65	0.25	0.100	87.83	0.38	0.38	0.00
13.70	0.24	0.099	87.83	0.37	0.37	0.00
13.75	0.23	0.099	87.82	0.37	0.37	0.00
13.80	0.23	0.098	87.82	0.37	0.37	0.00
13.85	0.22	0.098	87.81	0.37	0.37	0.00
13.90	0.22	0.097	87.81	0.37	0.37	0.00
13.95	0.21	0.096	87.80	0.37	0.37	0.00
14.00	0.21	0.096	87.80	0.37	0.37	0.00
14.05	0.21	0.095	87.79	0.37	0.37	0.00
14.10	0.20	0.095	87.79	0.36	0.36	0.00
14.15	0.20	0.094	87.78	0.36	0.36	0.00
14.20	0.20	0.093	87.78	0.36	0.36	0.00
14.25	0.19	0.092	87.77	0.36	0.36	0.00
14.30	0.19	0.092	87.76	0.36	0.36	0.00
14.35	0.19	0.091	87.76	0.36	0.36	0.00
14.40	0.18	0.090	87.75	0.36	0.36	0.00
14.45	0.18	0.090	87.75	0.35	0.35	0.00
14.50	0.18	0.089	87.74	0.35	0.35	0.00
14.55	0.18	0.088	87.74	0.35	0.35	0.00
14.60	0.17	0.088	87.73	0.35	0.35	0.00
14.65	0.17	0.087	87.72	0.35	0.35	0.00
14.70	0.17	0.086	87.72	0.35	0.35	0.00
14.75	0.16	0.085	87.71	0.34	0.34	0.00
14.80	0.16	0.085	87.70	0.34	0.34	0.00
14.85	0.16	0.084	87.70	0.34	0.34	0.00
14.90	0.16	0.083	87.69	0.34	0.34	0.00
14.95	0.15	0.082	87.69	0.34	0.34	0.00
15.00	0.15	0.082	87.68	0.34	0.34	0.00
15.05	0.15	0.081	87.67	0.34	0.34	0.00
15.10	0.14	0.080	87.67	0.33	0.33	0.00
15.15	0.14	0.079	87.66	0.33	0.33	0.00
15.20	0.14	0.078	87.65	0.33	0.33	0.00
15.25	0.14	0.078	87.65	0.33	0.33	0.00
15.30	0.14	0.077	87.64	0.33	0.33	0.00
15.35	0.13	0.076	87.63	0.33	0.33	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.13	0.075	87.63	0.32	0.32	0.00
15.45	0.13	0.074	87.62	0.32	0.32	0.00
15.50	0.13	0.074	87.61	0.32	0.32	0.00
15.55	0.13	0.073	87.61	0.32	0.32	0.00
15.60	0.13	0.072	87.60	0.32	0.32	0.00
15.65	0.13	0.071	87.59	0.32	0.32	0.00
15.70	0.13	0.071	87.59	0.31	0.31	0.00
15.75	0.13	0.070	87.58	0.31	0.31	0.00
15.80	0.12	0.069	87.57	0.31	0.31	0.00
15.85	0.12	0.068	87.57	0.31	0.31	0.00
15.90	0.12	0.067	87.56	0.31	0.31	0.00
15.95	0.12	0.067	87.56	0.31	0.31	0.00
16.00	0.12	0.066	87.55	0.31	0.31	0.00
16.05	0.12	0.065	87.54	0.30	0.30	0.00
16.10	0.12	0.064	87.54	0.30	0.30	0.00
16.15	0.12	0.064	87.53	0.30	0.30	0.00
16.20	0.12	0.063	87.52	0.30	0.30	0.00
16.25	0.12	0.062	87.52	0.30	0.30	0.00
16.30	0.12	0.061	87.51	0.30	0.30	0.00
16.35	0.12	0.061	87.51	0.29	0.29	0.00
16.40	0.11	0.060	87.50	0.29	0.29	0.00
16.45	0.11	0.059	87.49	0.29	0.29	0.00
16.50	0.11	0.058	87.49	0.29	0.29	0.00
16.55	0.11	0.058	87.48	0.29	0.29	0.00
16.60	0.11	0.057	87.48	0.29	0.29	0.00
16.65	0.11	0.056	87.47	0.29	0.29	0.00
16.70	0.11	0.056	87.46	0.28	0.28	0.00
16.75	0.11	0.055	87.46	0.28	0.28	0.00
16.80	0.11	0.054	87.45	0.28	0.28	0.00
16.85	0.11	0.053	87.44	0.28	0.28	0.00
16.90	0.11	0.053	87.44	0.28	0.28	0.00
16.95	0.11	0.052	87.43	0.28	0.28	0.00
17.00	0.10	0.051	87.43	0.28	0.28	0.00
17.05	0.10	0.051	87.42	0.28	0.28	0.00
17.10	0.10	0.050	87.42	0.27	0.27	0.00
17.15	0.10	0.049	87.41	0.27	0.27	0.00
17.20	0.10	0.048	87.40	0.27	0.27	0.00
17.25	0.10	0.048	87.40	0.27	0.27	0.00
17.30	0.10	0.047	87.39	0.27	0.27	0.00
17.35	0.10	0.046	87.39	0.27	0.27	0.00
17.40	0.10	0.046	87.38	0.27	0.27	0.00
17.45	0.10	0.045	87.37	0.26	0.26	0.00
17.50	0.10	0.044	87.37	0.26	0.26	0.00
17.55	0.09	0.044	87.36	0.26	0.26	0.00
17.60	0.09	0.043	87.36	0.26	0.26	0.00
17.65	0.09	0.042	87.35	0.26	0.26	0.00
17.70	0.09	0.041	87.35	0.26	0.26	0.00
17.75	0.09	0.041	87.34	0.26	0.26	0.00
17.80	0.09	0.040	87.33	0.26	0.26	0.00
17.85	0.09	0.039	87.33	0.25	0.25	0.00
17.90	0.09	0.039	87.32	0.25	0.25	0.00
17.95	0.09	0.038	87.32	0.25	0.25	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.09	0.037	87.31	0.25	0.25	0.00
18.05	0.09	0.037	87.31	0.25	0.25	0.00
18.10	0.09	0.036	87.30	0.25	0.25	0.00
18.15	0.08	0.035	87.30	0.25	0.25	0.00
18.20	0.08	0.035	87.29	0.24	0.24	0.00
18.25	0.08	0.034	87.28	0.24	0.24	0.00
18.30	0.08	0.033	87.28	0.24	0.24	0.00
18.35	0.08	0.033	87.27	0.24	0.24	0.00
18.40	0.08	0.032	87.27	0.24	0.24	0.00
18.45	0.08	0.031	87.26	0.24	0.24	0.00
18.50	0.08	0.031	87.26	0.24	0.24	0.00
18.55	0.08	0.030	87.25	0.24	0.24	0.00
18.60	0.08	0.030	87.25	0.24	0.24	0.00
18.65	0.08	0.029	87.24	0.23	0.23	0.00
18.70	0.08	0.028	87.24	0.23	0.23	0.00
18.75	0.08	0.028	87.23	0.23	0.23	0.00
18.80	0.08	0.027	87.23	0.23	0.23	0.00
18.85	0.08	0.026	87.22	0.23	0.23	0.00
18.90	0.08	0.026	87.21	0.23	0.23	0.00
18.95	0.08	0.025	87.21	0.23	0.23	0.00
19.00	0.08	0.025	87.20	0.23	0.23	0.00
19.05	0.08	0.024	87.20	0.22	0.22	0.00
19.10	0.08	0.023	87.19	0.22	0.22	0.00
19.15	0.08	0.023	87.19	0.22	0.22	0.00
19.20	0.08	0.022	87.19	0.22	0.22	0.00
19.25	0.08	0.022	87.18	0.22	0.22	0.00
19.30	0.08	0.021	87.18	0.22	0.22	0.00
19.35	0.08	0.020	87.17	0.22	0.22	0.00
19.40	0.08	0.020	87.17	0.22	0.22	0.00
19.45	0.08	0.019	87.16	0.22	0.22	0.00
19.50	0.08	0.019	87.16	0.22	0.22	0.00
19.55	0.08	0.018	87.15	0.21	0.21	0.00
19.60	0.08	0.018	87.15	0.21	0.21	0.00
19.65	0.08	0.017	87.14	0.21	0.21	0.00
19.70	0.08	0.017	87.14	0.21	0.21	0.00
19.75	0.08	0.016	87.13	0.21	0.21	0.00
19.80	0.08	0.015	87.13	0.21	0.21	0.00
19.85	0.08	0.015	87.12	0.21	0.21	0.00
19.90	0.08	0.014	87.12	0.21	0.21	0.00
19.95	0.08	0.014	87.11	0.21	0.21	0.00
20.00	0.08	0.013	87.11	0.21	0.21	0.00
20.05	0.08	0.013	87.11	0.20	0.20	0.00
20.10	0.08	0.012	87.10	0.20	0.20	0.00
20.15	0.08	0.012	87.10	0.20	0.20	0.00
20.20	0.08	0.011	87.09	0.20	0.20	0.00
20.25	0.08	0.011	87.09	0.20	0.20	0.00
20.30	0.08	0.010	87.08	0.20	0.20	0.00
20.35	0.08	0.010	87.08	0.20	0.20	0.00
20.40	0.08	0.009	87.08	0.20	0.20	0.00
20.45	0.08	0.009	87.07	0.20	0.20	0.00
20.50	0.07	0.008	87.07	0.20	0.20	0.00
20.55	0.07	0.008	87.06	0.19	0.19	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.07	0.007	87.06	0.19	0.19	0.00
20.65	0.07	0.007	87.06	0.19	0.19	0.00
20.70	0.07	0.006	87.05	0.19	0.19	0.00
20.75	0.07	0.006	87.05	0.18	0.18	0.00
20.80	0.07	0.005	87.04	0.17	0.17	0.00
20.85	0.07	0.005	87.04	0.16	0.16	0.00
20.90	0.07	0.005	87.04	0.15	0.15	0.00
20.95	0.07	0.004	87.04	0.14	0.14	0.00
21.00	0.07	0.004	87.03	0.13	0.13	0.00
21.05	0.07	0.004	87.03	0.12	0.12	0.00
21.10	0.07	0.004	87.03	0.12	0.12	0.00
21.15	0.07	0.003	87.03	0.11	0.11	0.00
21.20	0.07	0.003	87.03	0.11	0.11	0.00
21.25	0.07	0.003	87.03	0.10	0.10	0.00
21.30	0.07	0.003	87.03	0.10	0.10	0.00
21.35	0.07	0.003	87.02	0.09	0.09	0.00
21.40	0.07	0.003	87.02	0.09	0.09	0.00
21.45	0.07	0.003	87.02	0.09	0.09	0.00
21.50	0.07	0.003	87.02	0.09	0.09	0.00
21.55	0.07	0.003	87.02	0.09	0.09	0.00
21.60	0.07	0.003	87.02	0.08	0.08	0.00
21.65	0.07	0.003	87.02	0.08	0.08	0.00
21.70	0.07	0.003	87.02	0.08	0.08	0.00
21.75	0.07	0.002	87.02	0.08	0.08	0.00
21.80	0.07	0.002	87.02	0.08	0.08	0.00
21.85	0.07	0.002	87.02	0.08	0.08	0.00
21.90	0.07	0.002	87.02	0.08	0.08	0.00
21.95	0.07	0.002	87.02	0.08	0.08	0.00
22.00	0.07	0.002	87.02	0.07	0.07	0.00
22.05	0.07	0.002	87.02	0.07	0.07	0.00
22.10	0.07	0.002	87.02	0.07	0.07	0.00
22.15	0.07	0.002	87.02	0.07	0.07	0.00
22.20	0.07	0.002	87.02	0.07	0.07	0.00
22.25	0.07	0.002	87.02	0.07	0.07	0.00
22.30	0.07	0.002	87.02	0.07	0.07	0.00
22.35	0.07	0.002	87.02	0.07	0.07	0.00
22.40	0.07	0.002	87.02	0.07	0.07	0.00
22.45	0.07	0.002	87.02	0.07	0.07	0.00
22.50	0.07	0.002	87.02	0.07	0.07	0.00
22.55	0.07	0.002	87.02	0.07	0.07	0.00
22.60	0.07	0.002	87.02	0.07	0.07	0.00
22.65	0.07	0.002	87.02	0.07	0.07	0.00
22.70	0.07	0.002	87.02	0.07	0.07	0.00
22.75	0.07	0.002	87.02	0.07	0.07	0.00
22.80	0.07	0.002	87.02	0.07	0.07	0.00
22.85	0.07	0.002	87.02	0.07	0.07	0.00
22.90	0.07	0.002	87.02	0.07	0.07	0.00
22.95	0.07	0.002	87.02	0.07	0.07	0.00
23.00	0.07	0.002	87.02	0.07	0.07	0.00
23.05	0.07	0.002	87.02	0.07	0.07	0.00
23.10	0.07	0.002	87.02	0.07	0.07	0.00
23.15	0.07	0.002	87.02	0.07	0.07	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.07	0.002	87.02	0.07	0.07	0.00
23.25	0.06	0.002	87.02	0.07	0.07	0.00
23.30	0.06	0.002	87.02	0.07	0.07	0.00
23.35	0.06	0.002	87.02	0.07	0.07	0.00
23.40	0.06	0.002	87.02	0.07	0.07	0.00
23.45	0.06	0.002	87.02	0.07	0.07	0.00
23.50	0.06	0.002	87.02	0.07	0.07	0.00
23.55	0.06	0.002	87.02	0.07	0.07	0.00
23.60	0.06	0.002	87.02	0.07	0.07	0.00
23.65	0.06	0.002	87.02	0.06	0.06	0.00
23.70	0.06	0.002	87.02	0.06	0.06	0.00
23.75	0.06	0.002	87.02	0.06	0.06	0.00
23.80	0.06	0.002	87.02	0.06	0.06	0.00
23.85	0.06	0.002	87.02	0.06	0.06	0.00
23.90	0.06	0.002	87.02	0.06	0.06	0.00
23.95	0.06	0.002	87.02	0.06	0.06	0.00
24.00	0.06	0.002	87.02	0.06	0.06	0.00
24.05	0.06	0.002	87.02	0.06	0.06	0.00
24.10	0.05	0.002	87.02	0.06	0.06	0.00
24.15	0.04	0.002	87.02	0.06	0.06	0.00
24.20	0.03	0.002	87.02	0.06	0.06	0.00
24.25	0.03	0.002	87.01	0.05	0.05	0.00
24.30	0.02	0.002	87.01	0.05	0.05	0.00
24.35	0.02	0.001	87.01	0.05	0.05	0.00
24.40	0.01	0.001	87.01	0.04	0.04	0.00
24.45	0.01	0.001	87.01	0.04	0.04	0.00
24.50	0.01	0.001	87.01	0.04	0.04	0.00
24.55	0.01	0.001	87.01	0.03	0.03	0.00
24.60	0.01	0.001	87.01	0.03	0.03	0.00
24.65	0.00	0.001	87.01	0.03	0.03	0.00
24.70	0.00	0.001	87.01	0.02	0.02	0.00
24.75	0.00	0.001	87.01	0.02	0.02	0.00
24.80	0.00	0.001	87.00	0.02	0.02	0.00
24.85	0.00	0.001	87.00	0.02	0.02	0.00
24.90	0.00	0.000	87.00	0.01	0.01	0.00
24.95	0.00	0.000	87.00	0.01	0.01	0.00
25.00	0.00	0.000	87.00	0.01	0.01	0.00
25.05	0.00	0.000	87.00	0.01	0.01	0.00
25.10	0.00	0.000	87.00	0.01	0.01	0.00
25.15	0.00	0.000	87.00	0.01	0.01	0.00
25.20	0.00	0.000	87.00	0.01	0.01	0.00
25.25	0.00	0.000	87.00	0.01	0.01	0.00
25.30	0.00	0.000	87.00	0.01	0.01	0.00
25.35	0.00	0.000	87.00	0.00	0.00	0.00
25.40	0.00	0.000	87.00	0.00	0.00	0.00
25.45	0.00	0.000	87.00	0.00	0.00	0.00
25.50	0.00	0.000	87.00	0.00	0.00	0.00
25.55	0.00	0.000	87.00	0.00	0.00	0.00
25.60	0.00	0.000	87.00	0.00	0.00	0.00
25.65	0.00	0.000	87.00	0.00	0.00	0.00
25.70	0.00	0.000	87.00	0.00	0.00	0.00
25.75	0.00	0.000	87.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	87.00	0.00	0.00	0.00
25.85	0.00	0.000	87.00	0.00	0.00	0.00
25.90	0.00	0.000	87.00	0.00	0.00	0.00
25.95	0.00	0.000	87.00	0.00	0.00	0.00
26.00	0.00	0.000	87.00	0.00	0.00	0.00
26.05	0.00	0.000	87.00	0.00	0.00	0.00
26.10	0.00	0.000	87.00	0.00	0.00	0.00
26.15	0.00	0.000	87.00	0.00	0.00	0.00
26.20	0.00	0.000	87.00	0.00	0.00	0.00
26.25	0.00	0.000	87.00	0.00	0.00	0.00
26.30	0.00	0.000	87.00	0.00	0.00	0.00
26.35	0.00	0.000	87.00	0.00	0.00	0.00
26.40	0.00	0.000	87.00	0.00	0.00	0.00
26.45	0.00	0.000	87.00	0.00	0.00	0.00
26.50	0.00	0.000	87.00	0.00	0.00	0.00
26.55	0.00	0.000	87.00	0.00	0.00	0.00
26.60	0.00	0.000	87.00	0.00	0.00	0.00
26.65	0.00	0.000	87.00	0.00	0.00	0.00
26.70	0.00	0.000	87.00	0.00	0.00	0.00
26.75	0.00	0.000	87.00	0.00	0.00	0.00
26.80	0.00	0.000	87.00	0.00	0.00	0.00
26.85	0.00	0.000	87.00	0.00	0.00	0.00
26.90	0.00	0.000	87.00	0.00	0.00	0.00
26.95	0.00	0.000	87.00	0.00	0.00	0.00
27.00	0.00	0.000	87.00	0.00	0.00	0.00
27.05	0.00	0.000	87.00	0.00	0.00	0.00
27.10	0.00	0.000	87.00	0.00	0.00	0.00
27.15	0.00	0.000	87.00	0.00	0.00	0.00
27.20	0.00	0.000	87.00	0.00	0.00	0.00
27.25	0.00	0.000	87.00	0.00	0.00	0.00
27.30	0.00	0.000	87.00	0.00	0.00	0.00
27.35	0.00	0.000	87.00	0.00	0.00	0.00
27.40	0.00	0.000	87.00	0.00	0.00	0.00
27.45	0.00	0.000	87.00	0.00	0.00	0.00
27.50	0.00	0.000	87.00	0.00	0.00	0.00
27.55	0.00	0.000	87.00	0.00	0.00	0.00
27.60	0.00	0.000	87.00	0.00	0.00	0.00
27.65	0.00	0.000	87.00	0.00	0.00	0.00
27.70	0.00	0.000	87.00	0.00	0.00	0.00
27.75	0.00	0.000	87.00	0.00	0.00	0.00
27.80	0.00	0.000	87.00	0.00	0.00	0.00
27.85	0.00	0.000	87.00	0.00	0.00	0.00
27.90	0.00	0.000	87.00	0.00	0.00	0.00
27.95	0.00	0.000	87.00	0.00	0.00	0.00
28.00	0.00	0.000	87.00	0.00	0.00	0.00
28.05	0.00	0.000	87.00	0.00	0.00	0.00
28.10	0.00	0.000	87.00	0.00	0.00	0.00
28.15	0.00	0.000	87.00	0.00	0.00	0.00
28.20	0.00	0.000	87.00	0.00	0.00	0.00
28.25	0.00	0.000	87.00	0.00	0.00	0.00
28.30	0.00	0.000	87.00	0.00	0.00	0.00
28.35	0.00	0.000	87.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	87.00	0.00	0.00	0.00
28.45	0.00	0.000	87.00	0.00	0.00	0.00
28.50	0.00	0.000	87.00	0.00	0.00	0.00
28.55	0.00	0.000	87.00	0.00	0.00	0.00
28.60	0.00	0.000	87.00	0.00	0.00	0.00
28.65	0.00	0.000	87.00	0.00	0.00	0.00
28.70	0.00	0.000	87.00	0.00	0.00	0.00
28.75	0.00	0.000	87.00	0.00	0.00	0.00
28.80	0.00	0.000	87.00	0.00	0.00	0.00
28.85	0.00	0.000	87.00	0.00	0.00	0.00
28.90	0.00	0.000	87.00	0.00	0.00	0.00
28.95	0.00	0.000	87.00	0.00	0.00	0.00
29.00	0.00	0.000	87.00	0.00	0.00	0.00
29.05	0.00	0.000	87.00	0.00	0.00	0.00
29.10	0.00	0.000	87.00	0.00	0.00	0.00
29.15	0.00	0.000	87.00	0.00	0.00	0.00
29.20	0.00	0.000	87.00	0.00	0.00	0.00
29.25	0.00	0.000	87.00	0.00	0.00	0.00
29.30	0.00	0.000	87.00	0.00	0.00	0.00
29.35	0.00	0.000	87.00	0.00	0.00	0.00
29.40	0.00	0.000	87.00	0.00	0.00	0.00
29.45	0.00	0.000	87.00	0.00	0.00	0.00
29.50	0.00	0.000	87.00	0.00	0.00	0.00
29.55	0.00	0.000	87.00	0.00	0.00	0.00
29.60	0.00	0.000	87.00	0.00	0.00	0.00
29.65	0.00	0.000	87.00	0.00	0.00	0.00
29.70	0.00	0.000	87.00	0.00	0.00	0.00
29.75	0.00	0.000	87.00	0.00	0.00	0.00
29.80	0.00	0.000	87.00	0.00	0.00	0.00
29.85	0.00	0.000	87.00	0.00	0.00	0.00
29.90	0.00	0.000	87.00	0.00	0.00	0.00
29.95	0.00	0.000	87.00	0.00	0.00	0.00
30.00	0.00	0.000	87.00	0.00	0.00	0.00

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Summary for Pond Basin 3: Basin 3

Inflow Area = 4.500 ac, 26.67% Impervious, Inflow Depth > 0.84" for 2 year event
 Inflow = 2.43 cfs @ 12.19 hrs, Volume= 0.317 af
 Outflow = 0.53 cfs @ 12.89 hrs, Volume= 0.317 af, Atten= 78%, Lag= 42.3 min
 Discarded = 0.53 cfs @ 12.89 hrs, Volume= 0.317 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 86.35' @ 12.89 hrs Surf.Area= 0.228 ac Storage= 0.084 af

Plug-Flow detention time= 53.0 min calculated for 0.316 af (100% of inflow)
 Center-of-Mass det. time= 52.5 min (846.5 - 794.0)

Volume	Invert	Avail.Storage	Storage Description
#1	86.00'	1.950 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
86.00	0.200	0.000	0.000
87.00	0.280	0.240	0.240
88.00	0.360	0.320	0.560
89.00	0.420	0.390	0.950
90.00	0.500	0.460	1.410
91.00	0.580	0.540	1.950

Device	Routing	Invert	Outlet Devices
#1	Discarded	86.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 84.00'
#2	Primary	87.00'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	88.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.53 cfs @ 12.89 hrs HW=86.35' (Free Discharge)
 ↳1=Exfiltration (Controls 0.53 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=86.00' (Free Discharge)
 ↳2=Orifice/Grate (Controls 0.00 cfs)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 3: Basin 3

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.06	0.000	86.00	0.00	0.00	0.00
5.05	0.06	0.000	86.00	0.01	0.01	0.00
5.10	0.06	0.001	86.00	0.02	0.02	0.00
5.15	0.06	0.001	86.00	0.03	0.03	0.00
5.20	0.06	0.001	86.00	0.03	0.03	0.00
5.25	0.07	0.001	86.00	0.04	0.04	0.00
5.30	0.07	0.001	86.00	0.04	0.04	0.00
5.35	0.07	0.001	86.01	0.04	0.04	0.00
5.40	0.07	0.001	86.01	0.05	0.05	0.00
5.45	0.07	0.001	86.01	0.05	0.05	0.00
5.50	0.07	0.001	86.01	0.05	0.05	0.00
5.55	0.07	0.002	86.01	0.05	0.05	0.00
5.60	0.07	0.002	86.01	0.06	0.06	0.00
5.65	0.07	0.002	86.01	0.06	0.06	0.00
5.70	0.07	0.002	86.01	0.06	0.06	0.00
5.75	0.07	0.002	86.01	0.06	0.06	0.00
5.80	0.07	0.002	86.01	0.06	0.06	0.00
5.85	0.07	0.002	86.01	0.06	0.06	0.00
5.90	0.07	0.002	86.01	0.06	0.06	0.00
5.95	0.07	0.002	86.01	0.06	0.06	0.00
6.00	0.07	0.002	86.01	0.07	0.07	0.00
6.05	0.07	0.002	86.01	0.07	0.07	0.00
6.10	0.07	0.002	86.01	0.07	0.07	0.00
6.15	0.07	0.002	86.01	0.07	0.07	0.00
6.20	0.07	0.002	86.01	0.07	0.07	0.00
6.25	0.07	0.002	86.01	0.07	0.07	0.00
6.30	0.07	0.002	86.01	0.07	0.07	0.00
6.35	0.08	0.002	86.01	0.07	0.07	0.00
6.40	0.08	0.002	86.01	0.07	0.07	0.00
6.45	0.08	0.002	86.01	0.07	0.07	0.00
6.50	0.08	0.002	86.01	0.07	0.07	0.00
6.55	0.08	0.002	86.01	0.07	0.07	0.00
6.60	0.08	0.002	86.01	0.07	0.07	0.00
6.65	0.08	0.002	86.01	0.08	0.08	0.00
6.70	0.08	0.002	86.01	0.08	0.08	0.00
6.75	0.08	0.002	86.01	0.08	0.08	0.00
6.80	0.08	0.002	86.01	0.08	0.08	0.00
6.85	0.08	0.002	86.01	0.08	0.08	0.00
6.90	0.09	0.002	86.01	0.08	0.08	0.00
6.95	0.09	0.002	86.01	0.08	0.08	0.00
7.00	0.09	0.002	86.01	0.08	0.08	0.00
7.05	0.09	0.002	86.01	0.08	0.08	0.00
7.10	0.09	0.002	86.01	0.08	0.08	0.00
7.15	0.09	0.002	86.01	0.08	0.08	0.00
7.20	0.09	0.002	86.01	0.09	0.09	0.00
7.25	0.09	0.002	86.01	0.09	0.09	0.00
7.30	0.09	0.002	86.01	0.09	0.09	0.00
7.35	0.09	0.003	86.01	0.09	0.09	0.00
7.40	0.10	0.003	86.01	0.09	0.09	0.00
7.45	0.10	0.003	86.01	0.09	0.09	0.00
7.50	0.10	0.003	86.01	0.09	0.09	0.00
7.55	0.10	0.003	86.01	0.09	0.09	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.10	0.003	86.01	0.09	0.09	0.00
7.65	0.10	0.003	86.01	0.09	0.09	0.00
7.70	0.10	0.003	86.01	0.09	0.09	0.00
7.75	0.10	0.003	86.01	0.10	0.10	0.00
7.80	0.10	0.003	86.01	0.10	0.10	0.00
7.85	0.10	0.003	86.01	0.10	0.10	0.00
7.90	0.11	0.003	86.01	0.10	0.10	0.00
7.95	0.11	0.003	86.01	0.10	0.10	0.00
8.00	0.11	0.003	86.01	0.10	0.10	0.00
8.05	0.11	0.003	86.01	0.10	0.10	0.00
8.10	0.11	0.003	86.01	0.10	0.10	0.00
8.15	0.11	0.003	86.01	0.10	0.10	0.00
8.20	0.11	0.003	86.01	0.10	0.10	0.00
8.25	0.11	0.003	86.01	0.11	0.11	0.00
8.30	0.11	0.003	86.01	0.11	0.11	0.00
8.35	0.11	0.003	86.01	0.11	0.11	0.00
8.40	0.11	0.003	86.01	0.11	0.11	0.00
8.45	0.12	0.003	86.01	0.11	0.11	0.00
8.50	0.12	0.003	86.01	0.11	0.11	0.00
8.55	0.12	0.003	86.01	0.11	0.11	0.00
8.60	0.12	0.003	86.01	0.11	0.11	0.00
8.65	0.12	0.003	86.01	0.11	0.11	0.00
8.70	0.12	0.003	86.01	0.11	0.11	0.00
8.75	0.12	0.003	86.01	0.12	0.12	0.00
8.80	0.12	0.003	86.01	0.12	0.12	0.00
8.85	0.12	0.003	86.01	0.12	0.12	0.00
8.90	0.12	0.003	86.01	0.12	0.12	0.00
8.95	0.13	0.003	86.01	0.12	0.12	0.00
9.00	0.13	0.003	86.01	0.12	0.12	0.00
9.05	0.13	0.003	86.01	0.12	0.12	0.00
9.10	0.13	0.003	86.01	0.12	0.12	0.00
9.15	0.13	0.004	86.01	0.12	0.12	0.00
9.20	0.13	0.004	86.01	0.12	0.12	0.00
9.25	0.14	0.004	86.01	0.13	0.13	0.00
9.30	0.14	0.004	86.02	0.13	0.13	0.00
9.35	0.14	0.004	86.02	0.13	0.13	0.00
9.40	0.14	0.004	86.02	0.13	0.13	0.00
9.45	0.15	0.004	86.02	0.13	0.13	0.00
9.50	0.15	0.004	86.02	0.13	0.13	0.00
9.55	0.15	0.004	86.02	0.14	0.14	0.00
9.60	0.15	0.004	86.02	0.14	0.14	0.00
9.65	0.16	0.004	86.02	0.14	0.14	0.00
9.70	0.16	0.004	86.02	0.14	0.14	0.00
9.75	0.16	0.004	86.02	0.15	0.15	0.00
9.80	0.17	0.004	86.02	0.15	0.15	0.00
9.85	0.17	0.004	86.02	0.15	0.15	0.00
9.90	0.17	0.004	86.02	0.15	0.15	0.00
9.95	0.17	0.004	86.02	0.16	0.16	0.00
10.00	0.18	0.005	86.02	0.16	0.16	0.00
10.05	0.18	0.005	86.02	0.16	0.16	0.00
10.10	0.18	0.005	86.02	0.16	0.16	0.00
10.15	0.19	0.005	86.02	0.17	0.17	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.19	0.005	86.02	0.17	0.17	0.00
10.25	0.19	0.005	86.02	0.17	0.17	0.00
10.30	0.20	0.005	86.02	0.18	0.18	0.00
10.35	0.20	0.005	86.02	0.18	0.18	0.00
10.40	0.20	0.005	86.02	0.18	0.18	0.00
10.45	0.20	0.005	86.02	0.18	0.18	0.00
10.50	0.21	0.005	86.02	0.19	0.19	0.00
10.55	0.21	0.005	86.02	0.19	0.19	0.00
10.60	0.22	0.005	86.02	0.19	0.19	0.00
10.65	0.22	0.006	86.02	0.20	0.20	0.00
10.70	0.23	0.006	86.02	0.20	0.20	0.00
10.75	0.24	0.006	86.02	0.20	0.20	0.00
10.80	0.24	0.006	86.02	0.21	0.21	0.00
10.85	0.25	0.006	86.03	0.21	0.21	0.00
10.90	0.26	0.006	86.03	0.22	0.22	0.00
10.95	0.27	0.006	86.03	0.23	0.23	0.00
11.00	0.28	0.007	86.03	0.23	0.23	0.00
11.05	0.29	0.007	86.03	0.24	0.24	0.00
11.10	0.30	0.007	86.03	0.25	0.25	0.00
11.15	0.31	0.007	86.03	0.26	0.26	0.00
11.20	0.33	0.008	86.03	0.26	0.26	0.00
11.25	0.34	0.008	86.03	0.27	0.27	0.00
11.30	0.36	0.008	86.03	0.28	0.28	0.00
11.35	0.37	0.008	86.04	0.30	0.30	0.00
11.40	0.39	0.009	86.04	0.31	0.31	0.00
11.45	0.40	0.009	86.04	0.32	0.32	0.00
11.50	0.42	0.009	86.04	0.33	0.33	0.00
11.55	0.44	0.010	86.04	0.34	0.34	0.00
11.60	0.47	0.010	86.04	0.36	0.36	0.00
11.65	0.51	0.011	86.04	0.38	0.38	0.00
11.70	0.54	0.011	86.05	0.40	0.40	0.00
11.75	0.58	0.012	86.05	0.42	0.42	0.00
11.80	0.63	0.013	86.05	0.42	0.42	0.00
11.85	0.71	0.014	86.06	0.42	0.42	0.00
11.90	0.81	0.015	86.06	0.43	0.43	0.00
11.95	0.96	0.017	86.07	0.43	0.43	0.00
12.00	1.18	0.020	86.08	0.43	0.43	0.00
12.05	1.48	0.023	86.10	0.44	0.44	0.00
12.10	1.91	0.028	86.12	0.45	0.45	0.00
12.15	2.34	0.035	86.15	0.46	0.46	0.00
12.20	2.42	0.043	86.18	0.47	0.47	0.00
12.25	2.22	0.051	86.21	0.48	0.48	0.00
12.30	1.98	0.058	86.24	0.49	0.49	0.00
12.35	1.75	0.063	86.26	0.50	0.50	0.00
12.40	1.54	0.068	86.28	0.51	0.51	0.00
12.45	1.35	0.072	86.30	0.51	0.51	0.00
12.50	1.20	0.075	86.31	0.52	0.52	0.00
12.55	1.07	0.077	86.32	0.52	0.52	0.00
12.60	0.95	0.079	86.33	0.53	0.53	0.00
12.65	0.85	0.081	86.34	0.53	0.53	0.00
12.70	0.76	0.082	86.34	0.53	0.53	0.00
12.75	0.68	0.083	86.35	0.53	0.53	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.62	0.083	86.35	0.53	0.53	0.00
12.85	0.57	0.084	86.35	0.53	0.53	0.00
12.90	0.53	0.084	86.35	0.53	0.53	0.00
12.95	0.49	0.084	86.35	0.53	0.53	0.00
13.00	0.47	0.083	86.35	0.53	0.53	0.00
13.05	0.44	0.083	86.35	0.53	0.53	0.00
13.10	0.41	0.083	86.34	0.53	0.53	0.00
13.15	0.39	0.082	86.34	0.53	0.53	0.00
13.20	0.37	0.081	86.34	0.53	0.53	0.00
13.25	0.36	0.081	86.34	0.53	0.53	0.00
13.30	0.34	0.080	86.33	0.53	0.53	0.00
13.35	0.33	0.079	86.33	0.53	0.53	0.00
13.40	0.32	0.078	86.33	0.53	0.53	0.00
13.45	0.30	0.077	86.32	0.52	0.52	0.00
13.50	0.29	0.077	86.32	0.52	0.52	0.00
13.55	0.28	0.076	86.31	0.52	0.52	0.00
13.60	0.27	0.075	86.31	0.52	0.52	0.00
13.65	0.26	0.074	86.31	0.52	0.52	0.00
13.70	0.25	0.072	86.30	0.52	0.52	0.00
13.75	0.24	0.071	86.30	0.51	0.51	0.00
13.80	0.24	0.070	86.29	0.51	0.51	0.00
13.85	0.23	0.069	86.29	0.51	0.51	0.00
13.90	0.23	0.068	86.28	0.51	0.51	0.00
13.95	0.22	0.067	86.28	0.51	0.51	0.00
14.00	0.22	0.066	86.27	0.50	0.50	0.00
14.05	0.21	0.064	86.27	0.50	0.50	0.00
14.10	0.21	0.063	86.26	0.50	0.50	0.00
14.15	0.21	0.062	86.26	0.50	0.50	0.00
14.20	0.20	0.061	86.25	0.50	0.50	0.00
14.25	0.20	0.060	86.25	0.50	0.50	0.00
14.30	0.20	0.058	86.24	0.49	0.49	0.00
14.35	0.20	0.057	86.24	0.49	0.49	0.00
14.40	0.19	0.056	86.23	0.49	0.49	0.00
14.45	0.19	0.055	86.23	0.49	0.49	0.00
14.50	0.19	0.053	86.22	0.49	0.49	0.00
14.55	0.18	0.052	86.22	0.48	0.48	0.00
14.60	0.18	0.051	86.21	0.48	0.48	0.00
14.65	0.18	0.050	86.21	0.48	0.48	0.00
14.70	0.17	0.048	86.20	0.48	0.48	0.00
14.75	0.17	0.047	86.20	0.48	0.48	0.00
14.80	0.17	0.046	86.19	0.47	0.47	0.00
14.85	0.17	0.045	86.19	0.47	0.47	0.00
14.90	0.16	0.043	86.18	0.47	0.47	0.00
14.95	0.16	0.042	86.18	0.47	0.47	0.00
15.00	0.16	0.041	86.17	0.47	0.47	0.00
15.05	0.15	0.040	86.17	0.46	0.46	0.00
15.10	0.15	0.038	86.16	0.46	0.46	0.00
15.15	0.15	0.037	86.15	0.46	0.46	0.00
15.20	0.15	0.036	86.15	0.46	0.46	0.00
15.25	0.14	0.034	86.14	0.46	0.46	0.00
15.30	0.14	0.033	86.14	0.45	0.45	0.00
15.35	0.14	0.032	86.13	0.45	0.45	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.14	0.031	86.13	0.45	0.45	0.00
15.45	0.14	0.029	86.12	0.45	0.45	0.00
15.50	0.14	0.028	86.12	0.45	0.45	0.00
15.55	0.14	0.027	86.11	0.44	0.44	0.00
15.60	0.13	0.025	86.11	0.44	0.44	0.00
15.65	0.13	0.024	86.10	0.44	0.44	0.00
15.70	0.13	0.023	86.10	0.44	0.44	0.00
15.75	0.13	0.022	86.09	0.44	0.44	0.00
15.80	0.13	0.020	86.09	0.43	0.43	0.00
15.85	0.13	0.019	86.08	0.43	0.43	0.00
15.90	0.13	0.018	86.07	0.43	0.43	0.00
15.95	0.13	0.017	86.07	0.43	0.43	0.00
16.00	0.13	0.015	86.06	0.43	0.43	0.00
16.05	0.13	0.014	86.06	0.42	0.42	0.00
16.10	0.12	0.013	86.05	0.42	0.42	0.00
16.15	0.12	0.012	86.05	0.41	0.41	0.00
16.20	0.12	0.011	86.04	0.37	0.37	0.00
16.25	0.12	0.010	86.04	0.34	0.34	0.00
16.30	0.12	0.009	86.04	0.31	0.31	0.00
16.35	0.12	0.008	86.03	0.28	0.28	0.00
16.40	0.12	0.007	86.03	0.26	0.26	0.00
16.45	0.12	0.007	86.03	0.24	0.24	0.00
16.50	0.12	0.006	86.03	0.23	0.23	0.00
16.55	0.12	0.006	86.03	0.21	0.21	0.00
16.60	0.12	0.006	86.02	0.20	0.20	0.00
16.65	0.12	0.005	86.02	0.19	0.19	0.00
16.70	0.11	0.005	86.02	0.18	0.18	0.00
16.75	0.11	0.005	86.02	0.17	0.17	0.00
16.80	0.11	0.005	86.02	0.16	0.16	0.00
16.85	0.11	0.004	86.02	0.15	0.15	0.00
16.90	0.11	0.004	86.02	0.15	0.15	0.00
16.95	0.11	0.004	86.02	0.14	0.14	0.00
17.00	0.11	0.004	86.02	0.14	0.14	0.00
17.05	0.11	0.004	86.02	0.13	0.13	0.00
17.10	0.11	0.004	86.02	0.13	0.13	0.00
17.15	0.11	0.004	86.02	0.13	0.13	0.00
17.20	0.11	0.004	86.01	0.12	0.12	0.00
17.25	0.10	0.003	86.01	0.12	0.12	0.00
17.30	0.10	0.003	86.01	0.12	0.12	0.00
17.35	0.10	0.003	86.01	0.12	0.12	0.00
17.40	0.10	0.003	86.01	0.12	0.12	0.00
17.45	0.10	0.003	86.01	0.11	0.11	0.00
17.50	0.10	0.003	86.01	0.11	0.11	0.00
17.55	0.10	0.003	86.01	0.11	0.11	0.00
17.60	0.10	0.003	86.01	0.11	0.11	0.00
17.65	0.10	0.003	86.01	0.11	0.11	0.00
17.70	0.10	0.003	86.01	0.11	0.11	0.00
17.75	0.10	0.003	86.01	0.10	0.10	0.00
17.80	0.09	0.003	86.01	0.10	0.10	0.00
17.85	0.09	0.003	86.01	0.10	0.10	0.00
17.90	0.09	0.003	86.01	0.10	0.10	0.00
17.95	0.09	0.003	86.01	0.10	0.10	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.09	0.003	86.01	0.10	0.10	0.00
18.05	0.09	0.003	86.01	0.10	0.10	0.00
18.10	0.09	0.003	86.01	0.10	0.10	0.00
18.15	0.09	0.003	86.01	0.10	0.10	0.00
18.20	0.09	0.003	86.01	0.09	0.09	0.00
18.25	0.09	0.003	86.01	0.09	0.09	0.00
18.30	0.09	0.003	86.01	0.09	0.09	0.00
18.35	0.09	0.003	86.01	0.09	0.09	0.00
18.40	0.09	0.003	86.01	0.09	0.09	0.00
18.45	0.09	0.003	86.01	0.09	0.09	0.00
18.50	0.09	0.003	86.01	0.09	0.09	0.00
18.55	0.09	0.003	86.01	0.09	0.09	0.00
18.60	0.08	0.003	86.01	0.09	0.09	0.00
18.65	0.08	0.003	86.01	0.09	0.09	0.00
18.70	0.08	0.002	86.01	0.09	0.09	0.00
18.75	0.08	0.002	86.01	0.09	0.09	0.00
18.80	0.08	0.002	86.01	0.09	0.09	0.00
18.85	0.08	0.002	86.01	0.09	0.09	0.00
18.90	0.08	0.002	86.01	0.09	0.09	0.00
18.95	0.08	0.002	86.01	0.09	0.09	0.00
19.00	0.08	0.002	86.01	0.09	0.09	0.00
19.05	0.08	0.002	86.01	0.09	0.09	0.00
19.10	0.08	0.002	86.01	0.08	0.08	0.00
19.15	0.08	0.002	86.01	0.08	0.08	0.00
19.20	0.08	0.002	86.01	0.08	0.08	0.00
19.25	0.08	0.002	86.01	0.08	0.08	0.00
19.30	0.08	0.002	86.01	0.08	0.08	0.00
19.35	0.08	0.002	86.01	0.08	0.08	0.00
19.40	0.08	0.002	86.01	0.08	0.08	0.00
19.45	0.08	0.002	86.01	0.08	0.08	0.00
19.50	0.08	0.002	86.01	0.08	0.08	0.00
19.55	0.08	0.002	86.01	0.08	0.08	0.00
19.60	0.08	0.002	86.01	0.08	0.08	0.00
19.65	0.08	0.002	86.01	0.08	0.08	0.00
19.70	0.08	0.002	86.01	0.08	0.08	0.00
19.75	0.08	0.002	86.01	0.08	0.08	0.00
19.80	0.08	0.002	86.01	0.08	0.08	0.00
19.85	0.08	0.002	86.01	0.08	0.08	0.00
19.90	0.08	0.002	86.01	0.08	0.08	0.00
19.95	0.08	0.002	86.01	0.08	0.08	0.00
20.00	0.08	0.002	86.01	0.08	0.08	0.00
20.05	0.08	0.002	86.01	0.08	0.08	0.00
20.10	0.08	0.002	86.01	0.08	0.08	0.00
20.15	0.08	0.002	86.01	0.08	0.08	0.00
20.20	0.08	0.002	86.01	0.08	0.08	0.00
20.25	0.08	0.002	86.01	0.08	0.08	0.00
20.30	0.08	0.002	86.01	0.08	0.08	0.00
20.35	0.08	0.002	86.01	0.08	0.08	0.00
20.40	0.08	0.002	86.01	0.08	0.08	0.00
20.45	0.08	0.002	86.01	0.08	0.08	0.00
20.50	0.08	0.002	86.01	0.08	0.08	0.00
20.55	0.08	0.002	86.01	0.08	0.08	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.08	0.002	86.01	0.08	0.08	0.00
20.65	0.08	0.002	86.01	0.08	0.08	0.00
20.70	0.08	0.002	86.01	0.08	0.08	0.00
20.75	0.08	0.002	86.01	0.08	0.08	0.00
20.80	0.08	0.002	86.01	0.08	0.08	0.00
20.85	0.08	0.002	86.01	0.08	0.08	0.00
20.90	0.08	0.002	86.01	0.08	0.08	0.00
20.95	0.08	0.002	86.01	0.08	0.08	0.00
21.00	0.08	0.002	86.01	0.08	0.08	0.00
21.05	0.08	0.002	86.01	0.08	0.08	0.00
21.10	0.08	0.002	86.01	0.08	0.08	0.00
21.15	0.08	0.002	86.01	0.08	0.08	0.00
21.20	0.08	0.002	86.01	0.08	0.08	0.00
21.25	0.08	0.002	86.01	0.08	0.08	0.00
21.30	0.08	0.002	86.01	0.08	0.08	0.00
21.35	0.08	0.002	86.01	0.08	0.08	0.00
21.40	0.08	0.002	86.01	0.08	0.08	0.00
21.45	0.08	0.002	86.01	0.08	0.08	0.00
21.50	0.08	0.002	86.01	0.08	0.08	0.00
21.55	0.08	0.002	86.01	0.08	0.08	0.00
21.60	0.08	0.002	86.01	0.08	0.08	0.00
21.65	0.08	0.002	86.01	0.08	0.08	0.00
21.70	0.08	0.002	86.01	0.08	0.08	0.00
21.75	0.08	0.002	86.01	0.08	0.08	0.00
21.80	0.08	0.002	86.01	0.08	0.08	0.00
21.85	0.08	0.002	86.01	0.08	0.08	0.00
21.90	0.07	0.002	86.01	0.08	0.08	0.00
21.95	0.07	0.002	86.01	0.08	0.08	0.00
22.00	0.07	0.002	86.01	0.08	0.08	0.00
22.05	0.07	0.002	86.01	0.08	0.08	0.00
22.10	0.07	0.002	86.01	0.08	0.08	0.00
22.15	0.07	0.002	86.01	0.08	0.08	0.00
22.20	0.07	0.002	86.01	0.08	0.08	0.00
22.25	0.07	0.002	86.01	0.07	0.07	0.00
22.30	0.07	0.002	86.01	0.07	0.07	0.00
22.35	0.07	0.002	86.01	0.07	0.07	0.00
22.40	0.07	0.002	86.01	0.07	0.07	0.00
22.45	0.07	0.002	86.01	0.07	0.07	0.00
22.50	0.07	0.002	86.01	0.07	0.07	0.00
22.55	0.07	0.002	86.01	0.07	0.07	0.00
22.60	0.07	0.002	86.01	0.07	0.07	0.00
22.65	0.07	0.002	86.01	0.07	0.07	0.00
22.70	0.07	0.002	86.01	0.07	0.07	0.00
22.75	0.07	0.002	86.01	0.07	0.07	0.00
22.80	0.07	0.002	86.01	0.07	0.07	0.00
22.85	0.07	0.002	86.01	0.07	0.07	0.00
22.90	0.07	0.002	86.01	0.07	0.07	0.00
22.95	0.07	0.002	86.01	0.07	0.07	0.00
23.00	0.07	0.002	86.01	0.07	0.07	0.00
23.05	0.07	0.002	86.01	0.07	0.07	0.00
23.10	0.07	0.002	86.01	0.07	0.07	0.00
23.15	0.07	0.002	86.01	0.07	0.07	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.07	0.002	86.01	0.07	0.07	0.00
23.25	0.07	0.002	86.01	0.07	0.07	0.00
23.30	0.07	0.002	86.01	0.07	0.07	0.00
23.35	0.07	0.002	86.01	0.07	0.07	0.00
23.40	0.07	0.002	86.01	0.07	0.07	0.00
23.45	0.07	0.002	86.01	0.07	0.07	0.00
23.50	0.07	0.002	86.01	0.07	0.07	0.00
23.55	0.07	0.002	86.01	0.07	0.07	0.00
23.60	0.07	0.002	86.01	0.07	0.07	0.00
23.65	0.07	0.002	86.01	0.07	0.07	0.00
23.70	0.07	0.002	86.01	0.07	0.07	0.00
23.75	0.07	0.002	86.01	0.07	0.07	0.00
23.80	0.07	0.002	86.01	0.07	0.07	0.00
23.85	0.07	0.002	86.01	0.07	0.07	0.00
23.90	0.07	0.002	86.01	0.07	0.07	0.00
23.95	0.07	0.002	86.01	0.07	0.07	0.00
24.00	0.07	0.002	86.01	0.07	0.07	0.00
24.05	0.07	0.002	86.01	0.07	0.07	0.00
24.10	0.06	0.002	86.01	0.07	0.07	0.00
24.15	0.05	0.002	86.01	0.07	0.07	0.00
24.20	0.04	0.002	86.01	0.06	0.06	0.00
24.25	0.03	0.002	86.01	0.06	0.06	0.00
24.30	0.02	0.002	86.01	0.05	0.05	0.00
24.35	0.02	0.001	86.01	0.05	0.05	0.00
24.40	0.02	0.001	86.01	0.05	0.05	0.00
24.45	0.01	0.001	86.00	0.04	0.04	0.00
24.50	0.01	0.001	86.00	0.04	0.04	0.00
24.55	0.01	0.001	86.00	0.03	0.03	0.00
24.60	0.01	0.001	86.00	0.03	0.03	0.00
24.65	0.01	0.001	86.00	0.03	0.03	0.00
24.70	0.00	0.001	86.00	0.02	0.02	0.00
24.75	0.00	0.001	86.00	0.02	0.02	0.00
24.80	0.00	0.001	86.00	0.02	0.02	0.00
24.85	0.00	0.000	86.00	0.02	0.02	0.00
24.90	0.00	0.000	86.00	0.01	0.01	0.00
24.95	0.00	0.000	86.00	0.01	0.01	0.00
25.00	0.00	0.000	86.00	0.01	0.01	0.00
25.05	0.00	0.000	86.00	0.01	0.01	0.00
25.10	0.00	0.000	86.00	0.01	0.01	0.00
25.15	0.00	0.000	86.00	0.01	0.01	0.00
25.20	0.00	0.000	86.00	0.01	0.01	0.00
25.25	0.00	0.000	86.00	0.01	0.01	0.00
25.30	0.00	0.000	86.00	0.01	0.01	0.00
25.35	0.00	0.000	86.00	0.00	0.00	0.00
25.40	0.00	0.000	86.00	0.00	0.00	0.00
25.45	0.00	0.000	86.00	0.00	0.00	0.00
25.50	0.00	0.000	86.00	0.00	0.00	0.00
25.55	0.00	0.000	86.00	0.00	0.00	0.00
25.60	0.00	0.000	86.00	0.00	0.00	0.00
25.65	0.00	0.000	86.00	0.00	0.00	0.00
25.70	0.00	0.000	86.00	0.00	0.00	0.00
25.75	0.00	0.000	86.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	86.00	0.00	0.00	0.00
25.85	0.00	0.000	86.00	0.00	0.00	0.00
25.90	0.00	0.000	86.00	0.00	0.00	0.00
25.95	0.00	0.000	86.00	0.00	0.00	0.00
26.00	0.00	0.000	86.00	0.00	0.00	0.00
26.05	0.00	0.000	86.00	0.00	0.00	0.00
26.10	0.00	0.000	86.00	0.00	0.00	0.00
26.15	0.00	0.000	86.00	0.00	0.00	0.00
26.20	0.00	0.000	86.00	0.00	0.00	0.00
26.25	0.00	0.000	86.00	0.00	0.00	0.00
26.30	0.00	0.000	86.00	0.00	0.00	0.00
26.35	0.00	0.000	86.00	0.00	0.00	0.00
26.40	0.00	0.000	86.00	0.00	0.00	0.00
26.45	0.00	0.000	86.00	0.00	0.00	0.00
26.50	0.00	0.000	86.00	0.00	0.00	0.00
26.55	0.00	0.000	86.00	0.00	0.00	0.00
26.60	0.00	0.000	86.00	0.00	0.00	0.00
26.65	0.00	0.000	86.00	0.00	0.00	0.00
26.70	0.00	0.000	86.00	0.00	0.00	0.00
26.75	0.00	0.000	86.00	0.00	0.00	0.00
26.80	0.00	0.000	86.00	0.00	0.00	0.00
26.85	0.00	0.000	86.00	0.00	0.00	0.00
26.90	0.00	0.000	86.00	0.00	0.00	0.00
26.95	0.00	0.000	86.00	0.00	0.00	0.00
27.00	0.00	0.000	86.00	0.00	0.00	0.00
27.05	0.00	0.000	86.00	0.00	0.00	0.00
27.10	0.00	0.000	86.00	0.00	0.00	0.00
27.15	0.00	0.000	86.00	0.00	0.00	0.00
27.20	0.00	0.000	86.00	0.00	0.00	0.00
27.25	0.00	0.000	86.00	0.00	0.00	0.00
27.30	0.00	0.000	86.00	0.00	0.00	0.00
27.35	0.00	0.000	86.00	0.00	0.00	0.00
27.40	0.00	0.000	86.00	0.00	0.00	0.00
27.45	0.00	0.000	86.00	0.00	0.00	0.00
27.50	0.00	0.000	86.00	0.00	0.00	0.00
27.55	0.00	0.000	86.00	0.00	0.00	0.00
27.60	0.00	0.000	86.00	0.00	0.00	0.00
27.65	0.00	0.000	86.00	0.00	0.00	0.00
27.70	0.00	0.000	86.00	0.00	0.00	0.00
27.75	0.00	0.000	86.00	0.00	0.00	0.00
27.80	0.00	0.000	86.00	0.00	0.00	0.00
27.85	0.00	0.000	86.00	0.00	0.00	0.00
27.90	0.00	0.000	86.00	0.00	0.00	0.00
27.95	0.00	0.000	86.00	0.00	0.00	0.00
28.00	0.00	0.000	86.00	0.00	0.00	0.00
28.05	0.00	0.000	86.00	0.00	0.00	0.00
28.10	0.00	0.000	86.00	0.00	0.00	0.00
28.15	0.00	0.000	86.00	0.00	0.00	0.00
28.20	0.00	0.000	86.00	0.00	0.00	0.00
28.25	0.00	0.000	86.00	0.00	0.00	0.00
28.30	0.00	0.000	86.00	0.00	0.00	0.00
28.35	0.00	0.000	86.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	86.00	0.00	0.00	0.00
28.45	0.00	0.000	86.00	0.00	0.00	0.00
28.50	0.00	0.000	86.00	0.00	0.00	0.00
28.55	0.00	0.000	86.00	0.00	0.00	0.00
28.60	0.00	0.000	86.00	0.00	0.00	0.00
28.65	0.00	0.000	86.00	0.00	0.00	0.00
28.70	0.00	0.000	86.00	0.00	0.00	0.00
28.75	0.00	0.000	86.00	0.00	0.00	0.00
28.80	0.00	0.000	86.00	0.00	0.00	0.00
28.85	0.00	0.000	86.00	0.00	0.00	0.00
28.90	0.00	0.000	86.00	0.00	0.00	0.00
28.95	0.00	0.000	86.00	0.00	0.00	0.00
29.00	0.00	0.000	86.00	0.00	0.00	0.00
29.05	0.00	0.000	86.00	0.00	0.00	0.00
29.10	0.00	0.000	86.00	0.00	0.00	0.00
29.15	0.00	0.000	86.00	0.00	0.00	0.00
29.20	0.00	0.000	86.00	0.00	0.00	0.00
29.25	0.00	0.000	86.00	0.00	0.00	0.00
29.30	0.00	0.000	86.00	0.00	0.00	0.00
29.35	0.00	0.000	86.00	0.00	0.00	0.00
29.40	0.00	0.000	86.00	0.00	0.00	0.00
29.45	0.00	0.000	86.00	0.00	0.00	0.00
29.50	0.00	0.000	86.00	0.00	0.00	0.00
29.55	0.00	0.000	86.00	0.00	0.00	0.00
29.60	0.00	0.000	86.00	0.00	0.00	0.00
29.65	0.00	0.000	86.00	0.00	0.00	0.00
29.70	0.00	0.000	86.00	0.00	0.00	0.00
29.75	0.00	0.000	86.00	0.00	0.00	0.00
29.80	0.00	0.000	86.00	0.00	0.00	0.00
29.85	0.00	0.000	86.00	0.00	0.00	0.00
29.90	0.00	0.000	86.00	0.00	0.00	0.00
29.95	0.00	0.000	86.00	0.00	0.00	0.00
30.00	0.00	0.000	86.00	0.00	0.00	0.00

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Summary for Pond Basin 4 & 5: Basin 4 & 5

Inflow Area = 4.200 ac, 26.19% Impervious, Inflow Depth > 0.83" for 2 year event
 Inflow = 2.23 cfs @ 12.19 hrs, Volume= 0.290 af
 Outflow = 0.37 cfs @ 13.13 hrs, Volume= 0.290 af, Atten= 84%, Lag= 56.6 min
 Discarded = 0.37 cfs @ 13.13 hrs, Volume= 0.290 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 88.92' @ 13.13 hrs Surf.Area= 0.135 ac Storage= 0.101 af

Plug-Flow detention time= 115.0 min calculated for 0.290 af (100% of inflow)
 Center-of-Mass det. time= 114.4 min (908.4 - 794.0)

Volume	Invert	Avail.Storage	Storage Description
#1	88.00'	1.690 af	Rain Garden Basin 4 & 5 (Prismatic) Listed below

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
88.00	0.080	0.000	0.000
89.00	0.140	0.110	0.110
90.00	0.210	0.175	0.285
91.00	0.280	0.245	0.530
92.00	0.350	0.315	0.845
93.00	0.420	0.385	1.230
94.00	0.500	0.460	1.690

Device	Routing	Invert	Outlet Devices
#1	Discarded	88.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 86.00'
#2	Primary	89.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	91.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.37 cfs @ 13.13 hrs HW=88.91' (Free Discharge)

↑1=Exfiltration (Controls 0.37 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=88.00' (Free Discharge)

↑2=Orifice/Grate (Controls 0.00 cfs)

↑3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.06	0.000	88.00	0.00	0.00	0.00
5.05	0.06	0.000	88.00	0.01	0.01	0.00
5.10	0.06	0.001	88.00	0.01	0.01	0.00
5.15	0.06	0.001	88.01	0.02	0.02	0.00
5.20	0.06	0.001	88.01	0.02	0.02	0.00
5.25	0.06	0.001	88.01	0.03	0.03	0.00
5.30	0.06	0.001	88.01	0.03	0.03	0.00
5.35	0.06	0.001	88.01	0.03	0.03	0.00
5.40	0.06	0.001	88.01	0.04	0.04	0.00
5.45	0.06	0.001	88.01	0.04	0.04	0.00
5.50	0.06	0.002	88.01	0.04	0.04	0.00
5.55	0.06	0.002	88.01	0.04	0.04	0.00
5.60	0.06	0.002	88.02	0.04	0.04	0.00
5.65	0.06	0.002	88.02	0.05	0.05	0.00
5.70	0.06	0.002	88.02	0.05	0.05	0.00
5.75	0.06	0.002	88.02	0.05	0.05	0.00
5.80	0.06	0.002	88.02	0.05	0.05	0.00
5.85	0.06	0.002	88.02	0.05	0.05	0.00
5.90	0.06	0.002	88.02	0.05	0.05	0.00
5.95	0.06	0.002	88.02	0.05	0.05	0.00
6.00	0.07	0.002	88.02	0.06	0.06	0.00
6.05	0.07	0.002	88.02	0.06	0.06	0.00
6.10	0.07	0.002	88.02	0.06	0.06	0.00
6.15	0.07	0.002	88.02	0.06	0.06	0.00
6.20	0.07	0.002	88.02	0.06	0.06	0.00
6.25	0.07	0.002	88.02	0.06	0.06	0.00
6.30	0.07	0.002	88.02	0.06	0.06	0.00
6.35	0.07	0.002	88.02	0.06	0.06	0.00
6.40	0.07	0.002	88.02	0.06	0.06	0.00
6.45	0.07	0.002	88.02	0.06	0.06	0.00
6.50	0.07	0.002	88.02	0.06	0.06	0.00
6.55	0.07	0.002	88.02	0.07	0.07	0.00
6.60	0.07	0.003	88.02	0.07	0.07	0.00
6.65	0.07	0.003	88.02	0.07	0.07	0.00
6.70	0.08	0.003	88.02	0.07	0.07	0.00
6.75	0.08	0.003	88.02	0.07	0.07	0.00
6.80	0.08	0.003	88.02	0.07	0.07	0.00
6.85	0.08	0.003	88.02	0.07	0.07	0.00
6.90	0.08	0.003	88.02	0.07	0.07	0.00
6.95	0.08	0.003	88.02	0.07	0.07	0.00
7.00	0.08	0.003	88.03	0.07	0.07	0.00
7.05	0.08	0.003	88.03	0.07	0.07	0.00
7.10	0.08	0.003	88.03	0.07	0.07	0.00
7.15	0.08	0.003	88.03	0.08	0.08	0.00
7.20	0.08	0.003	88.03	0.08	0.08	0.00
7.25	0.08	0.003	88.03	0.08	0.08	0.00
7.30	0.09	0.003	88.03	0.08	0.08	0.00
7.35	0.09	0.003	88.03	0.08	0.08	0.00
7.40	0.09	0.003	88.03	0.08	0.08	0.00
7.45	0.09	0.003	88.03	0.08	0.08	0.00
7.50	0.09	0.003	88.03	0.08	0.08	0.00
7.55	0.09	0.003	88.03	0.08	0.08	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.09	0.003	88.03	0.08	0.08	0.00
7.65	0.09	0.003	88.03	0.08	0.08	0.00
7.70	0.09	0.003	88.03	0.08	0.08	0.00
7.75	0.09	0.003	88.03	0.09	0.09	0.00
7.80	0.09	0.003	88.03	0.09	0.09	0.00
7.85	0.10	0.003	88.03	0.09	0.09	0.00
7.90	0.10	0.003	88.03	0.09	0.09	0.00
7.95	0.10	0.003	88.03	0.09	0.09	0.00
8.00	0.10	0.003	88.03	0.09	0.09	0.00
8.05	0.10	0.003	88.03	0.09	0.09	0.00
8.10	0.10	0.003	88.03	0.09	0.09	0.00
8.15	0.10	0.004	88.03	0.09	0.09	0.00
8.20	0.10	0.004	88.03	0.09	0.09	0.00
8.25	0.10	0.004	88.03	0.09	0.09	0.00
8.30	0.10	0.004	88.03	0.10	0.10	0.00
8.35	0.10	0.004	88.03	0.10	0.10	0.00
8.40	0.11	0.004	88.03	0.10	0.10	0.00
8.45	0.11	0.004	88.03	0.10	0.10	0.00
8.50	0.11	0.004	88.03	0.10	0.10	0.00
8.55	0.11	0.004	88.03	0.10	0.10	0.00
8.60	0.11	0.004	88.03	0.10	0.10	0.00
8.65	0.11	0.004	88.04	0.10	0.10	0.00
8.70	0.11	0.004	88.04	0.10	0.10	0.00
8.75	0.11	0.004	88.04	0.10	0.10	0.00
8.80	0.11	0.004	88.04	0.10	0.10	0.00
8.85	0.11	0.004	88.04	0.11	0.11	0.00
8.90	0.11	0.004	88.04	0.11	0.11	0.00
8.95	0.12	0.004	88.04	0.11	0.11	0.00
9.00	0.12	0.004	88.04	0.11	0.11	0.00
9.05	0.12	0.004	88.04	0.11	0.11	0.00
9.10	0.12	0.004	88.04	0.11	0.11	0.00
9.15	0.12	0.004	88.04	0.11	0.11	0.00
9.20	0.12	0.004	88.04	0.11	0.11	0.00
9.25	0.12	0.004	88.04	0.11	0.11	0.00
9.30	0.13	0.004	88.04	0.11	0.11	0.00
9.35	0.13	0.004	88.04	0.12	0.12	0.00
9.40	0.13	0.004	88.04	0.12	0.12	0.00
9.45	0.13	0.005	88.04	0.12	0.12	0.00
9.50	0.14	0.005	88.04	0.12	0.12	0.00
9.55	0.14	0.005	88.04	0.12	0.12	0.00
9.60	0.14	0.005	88.04	0.12	0.12	0.00
9.65	0.14	0.005	88.04	0.13	0.13	0.00
9.70	0.15	0.005	88.04	0.13	0.13	0.00
9.75	0.15	0.005	88.04	0.13	0.13	0.00
9.80	0.15	0.005	88.05	0.13	0.13	0.00
9.85	0.15	0.005	88.05	0.13	0.13	0.00
9.90	0.16	0.005	88.05	0.14	0.14	0.00
9.95	0.16	0.005	88.05	0.14	0.14	0.00
10.00	0.16	0.005	88.05	0.14	0.14	0.00
10.05	0.17	0.005	88.05	0.14	0.14	0.00
10.10	0.17	0.006	88.05	0.15	0.15	0.00
10.15	0.17	0.006	88.05	0.15	0.15	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.17	0.006	88.05	0.15	0.15	0.00
10.25	0.18	0.006	88.05	0.15	0.15	0.00
10.30	0.18	0.006	88.05	0.16	0.16	0.00
10.35	0.18	0.006	88.05	0.16	0.16	0.00
10.40	0.18	0.006	88.06	0.16	0.16	0.00
10.45	0.19	0.006	88.06	0.16	0.16	0.00
10.50	0.19	0.006	88.06	0.17	0.17	0.00
10.55	0.19	0.006	88.06	0.17	0.17	0.00
10.60	0.20	0.007	88.06	0.17	0.17	0.00
10.65	0.20	0.007	88.06	0.17	0.17	0.00
10.70	0.21	0.007	88.06	0.17	0.17	0.00
10.75	0.22	0.007	88.06	0.17	0.17	0.00
10.80	0.22	0.007	88.06	0.17	0.17	0.00
10.85	0.23	0.007	88.07	0.17	0.17	0.00
10.90	0.24	0.008	88.07	0.18	0.18	0.00
10.95	0.25	0.008	88.07	0.18	0.18	0.00
11.00	0.26	0.008	88.07	0.18	0.18	0.00
11.05	0.27	0.009	88.08	0.18	0.18	0.00
11.10	0.28	0.009	88.08	0.18	0.18	0.00
11.15	0.29	0.009	88.08	0.18	0.18	0.00
11.20	0.30	0.010	88.09	0.18	0.18	0.00
11.25	0.31	0.010	88.09	0.18	0.18	0.00
11.30	0.33	0.011	88.10	0.18	0.18	0.00
11.35	0.34	0.012	88.10	0.18	0.18	0.00
11.40	0.36	0.012	88.11	0.18	0.18	0.00
11.45	0.37	0.013	88.12	0.19	0.19	0.00
11.50	0.38	0.014	88.13	0.19	0.19	0.00
11.55	0.40	0.015	88.13	0.19	0.19	0.00
11.60	0.43	0.016	88.14	0.19	0.19	0.00
11.65	0.46	0.017	88.15	0.19	0.19	0.00
11.70	0.50	0.018	88.16	0.19	0.19	0.00
11.75	0.53	0.019	88.17	0.20	0.20	0.00
11.80	0.58	0.021	88.19	0.20	0.20	0.00
11.85	0.65	0.022	88.20	0.20	0.20	0.00
11.90	0.75	0.024	88.22	0.21	0.21	0.00
11.95	0.88	0.027	88.24	0.21	0.21	0.00
12.00	1.08	0.030	88.27	0.22	0.22	0.00
12.05	1.36	0.034	88.31	0.23	0.23	0.00
12.10	1.75	0.040	88.36	0.24	0.24	0.00
12.15	2.15	0.047	88.42	0.25	0.25	0.00
12.20	2.22	0.055	88.50	0.27	0.27	0.00
12.25	2.04	0.062	88.57	0.28	0.28	0.00
12.30	1.81	0.069	88.63	0.30	0.30	0.00
12.35	1.60	0.075	88.68	0.31	0.31	0.00
12.40	1.41	0.080	88.72	0.32	0.32	0.00
12.45	1.24	0.084	88.76	0.33	0.33	0.00
12.50	1.10	0.087	88.79	0.34	0.34	0.00
12.55	0.98	0.090	88.82	0.34	0.34	0.00
12.60	0.87	0.093	88.84	0.35	0.35	0.00
12.65	0.78	0.094	88.86	0.35	0.35	0.00
12.70	0.69	0.096	88.87	0.36	0.36	0.00
12.75	0.62	0.097	88.88	0.36	0.36	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.57	0.098	88.89	0.36	0.36	0.00
12.85	0.52	0.099	88.90	0.36	0.36	0.00
12.90	0.48	0.100	88.91	0.36	0.36	0.00
12.95	0.45	0.100	88.91	0.37	0.37	0.00
13.00	0.43	0.100	88.91	0.37	0.37	0.00
13.05	0.40	0.101	88.91	0.37	0.37	0.00
13.10	0.38	0.101	88.91	0.37	0.37	0.00
13.15	0.36	0.101	88.92	0.37	0.37	0.00
13.20	0.34	0.101	88.91	0.37	0.37	0.00
13.25	0.33	0.100	88.91	0.37	0.37	0.00
13.30	0.31	0.100	88.91	0.37	0.37	0.00
13.35	0.30	0.100	88.91	0.36	0.36	0.00
13.40	0.29	0.100	88.91	0.36	0.36	0.00
13.45	0.28	0.099	88.90	0.36	0.36	0.00
13.50	0.27	0.099	88.90	0.36	0.36	0.00
13.55	0.26	0.099	88.90	0.36	0.36	0.00
13.60	0.25	0.098	88.89	0.36	0.36	0.00
13.65	0.24	0.098	88.89	0.36	0.36	0.00
13.70	0.23	0.097	88.88	0.36	0.36	0.00
13.75	0.22	0.097	88.88	0.36	0.36	0.00
13.80	0.22	0.096	88.87	0.36	0.36	0.00
13.85	0.21	0.095	88.87	0.35	0.35	0.00
13.90	0.21	0.095	88.86	0.35	0.35	0.00
13.95	0.20	0.094	88.86	0.35	0.35	0.00
14.00	0.20	0.094	88.85	0.35	0.35	0.00
14.05	0.20	0.093	88.85	0.35	0.35	0.00
14.10	0.19	0.092	88.84	0.35	0.35	0.00
14.15	0.19	0.092	88.83	0.35	0.35	0.00
14.20	0.19	0.091	88.83	0.35	0.35	0.00
14.25	0.18	0.090	88.82	0.34	0.34	0.00
14.30	0.18	0.090	88.82	0.34	0.34	0.00
14.35	0.18	0.089	88.81	0.34	0.34	0.00
14.40	0.18	0.088	88.80	0.34	0.34	0.00
14.45	0.17	0.088	88.80	0.34	0.34	0.00
14.50	0.17	0.087	88.79	0.34	0.34	0.00
14.55	0.17	0.086	88.79	0.34	0.34	0.00
14.60	0.17	0.086	88.78	0.33	0.33	0.00
14.65	0.16	0.085	88.77	0.33	0.33	0.00
14.70	0.16	0.084	88.77	0.33	0.33	0.00
14.75	0.16	0.084	88.76	0.33	0.33	0.00
14.80	0.15	0.083	88.75	0.33	0.33	0.00
14.85	0.15	0.082	88.75	0.33	0.33	0.00
14.90	0.15	0.081	88.74	0.32	0.32	0.00
14.95	0.15	0.081	88.73	0.32	0.32	0.00
15.00	0.14	0.080	88.73	0.32	0.32	0.00
15.05	0.14	0.079	88.72	0.32	0.32	0.00
15.10	0.14	0.079	88.71	0.32	0.32	0.00
15.15	0.14	0.078	88.71	0.32	0.32	0.00
15.20	0.13	0.077	88.70	0.31	0.31	0.00
15.25	0.13	0.076	88.69	0.31	0.31	0.00
15.30	0.13	0.076	88.69	0.31	0.31	0.00
15.35	0.13	0.075	88.68	0.31	0.31	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.13	0.074	88.67	0.31	0.31	0.00
15.45	0.13	0.073	88.67	0.31	0.31	0.00
15.50	0.13	0.073	88.66	0.31	0.31	0.00
15.55	0.12	0.072	88.65	0.30	0.30	0.00
15.60	0.12	0.071	88.65	0.30	0.30	0.00
15.65	0.12	0.070	88.64	0.30	0.30	0.00
15.70	0.12	0.070	88.63	0.30	0.30	0.00
15.75	0.12	0.069	88.63	0.30	0.30	0.00
15.80	0.12	0.068	88.62	0.30	0.30	0.00
15.85	0.12	0.067	88.61	0.29	0.29	0.00
15.90	0.12	0.067	88.61	0.29	0.29	0.00
15.95	0.12	0.066	88.60	0.29	0.29	0.00
16.00	0.12	0.065	88.59	0.29	0.29	0.00
16.05	0.12	0.065	88.59	0.29	0.29	0.00
16.10	0.11	0.064	88.58	0.29	0.29	0.00
16.15	0.11	0.063	88.57	0.29	0.29	0.00
16.20	0.11	0.062	88.57	0.28	0.28	0.00
16.25	0.11	0.062	88.56	0.28	0.28	0.00
16.30	0.11	0.061	88.55	0.28	0.28	0.00
16.35	0.11	0.060	88.55	0.28	0.28	0.00
16.40	0.11	0.060	88.54	0.28	0.28	0.00
16.45	0.11	0.059	88.54	0.28	0.28	0.00
16.50	0.11	0.058	88.53	0.27	0.27	0.00
16.55	0.11	0.058	88.52	0.27	0.27	0.00
16.60	0.11	0.057	88.52	0.27	0.27	0.00
16.65	0.11	0.056	88.51	0.27	0.27	0.00
16.70	0.10	0.056	88.50	0.27	0.27	0.00
16.75	0.10	0.055	88.50	0.27	0.27	0.00
16.80	0.10	0.054	88.49	0.27	0.27	0.00
16.85	0.10	0.053	88.49	0.27	0.27	0.00
16.90	0.10	0.053	88.48	0.26	0.26	0.00
16.95	0.10	0.052	88.47	0.26	0.26	0.00
17.00	0.10	0.051	88.47	0.26	0.26	0.00
17.05	0.10	0.051	88.46	0.26	0.26	0.00
17.10	0.10	0.050	88.46	0.26	0.26	0.00
17.15	0.10	0.049	88.45	0.26	0.26	0.00
17.20	0.10	0.049	88.44	0.26	0.26	0.00
17.25	0.10	0.048	88.44	0.25	0.25	0.00
17.30	0.09	0.048	88.43	0.25	0.25	0.00
17.35	0.09	0.047	88.43	0.25	0.25	0.00
17.40	0.09	0.046	88.42	0.25	0.25	0.00
17.45	0.09	0.046	88.41	0.25	0.25	0.00
17.50	0.09	0.045	88.41	0.25	0.25	0.00
17.55	0.09	0.044	88.40	0.25	0.25	0.00
17.60	0.09	0.044	88.40	0.25	0.25	0.00
17.65	0.09	0.043	88.39	0.24	0.24	0.00
17.70	0.09	0.042	88.38	0.24	0.24	0.00
17.75	0.09	0.042	88.38	0.24	0.24	0.00
17.80	0.09	0.041	88.37	0.24	0.24	0.00
17.85	0.09	0.040	88.37	0.24	0.24	0.00
17.90	0.09	0.040	88.36	0.24	0.24	0.00
17.95	0.08	0.039	88.36	0.24	0.24	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.08	0.039	88.35	0.23	0.23	0.00
18.05	0.08	0.038	88.34	0.23	0.23	0.00
18.10	0.08	0.037	88.34	0.23	0.23	0.00
18.15	0.08	0.037	88.33	0.23	0.23	0.00
18.20	0.08	0.036	88.33	0.23	0.23	0.00
18.25	0.08	0.035	88.32	0.23	0.23	0.00
18.30	0.08	0.035	88.32	0.23	0.23	0.00
18.35	0.08	0.034	88.31	0.23	0.23	0.00
18.40	0.08	0.034	88.31	0.23	0.23	0.00
18.45	0.08	0.033	88.30	0.22	0.22	0.00
18.50	0.08	0.032	88.29	0.22	0.22	0.00
18.55	0.08	0.032	88.29	0.22	0.22	0.00
18.60	0.08	0.031	88.28	0.22	0.22	0.00
18.65	0.08	0.031	88.28	0.22	0.22	0.00
18.70	0.08	0.030	88.27	0.22	0.22	0.00
18.75	0.08	0.029	88.27	0.22	0.22	0.00
18.80	0.08	0.029	88.26	0.22	0.22	0.00
18.85	0.08	0.028	88.26	0.21	0.21	0.00
18.90	0.08	0.028	88.25	0.21	0.21	0.00
18.95	0.08	0.027	88.25	0.21	0.21	0.00
19.00	0.08	0.027	88.24	0.21	0.21	0.00
19.05	0.08	0.026	88.24	0.21	0.21	0.00
19.10	0.08	0.026	88.23	0.21	0.21	0.00
19.15	0.08	0.025	88.23	0.21	0.21	0.00
19.20	0.08	0.024	88.22	0.21	0.21	0.00
19.25	0.08	0.024	88.22	0.21	0.21	0.00
19.30	0.08	0.023	88.21	0.21	0.21	0.00
19.35	0.08	0.023	88.21	0.20	0.20	0.00
19.40	0.08	0.022	88.20	0.20	0.20	0.00
19.45	0.08	0.022	88.20	0.20	0.20	0.00
19.50	0.08	0.021	88.19	0.20	0.20	0.00
19.55	0.08	0.021	88.19	0.20	0.20	0.00
19.60	0.08	0.020	88.18	0.20	0.20	0.00
19.65	0.08	0.020	88.18	0.20	0.20	0.00
19.70	0.08	0.019	88.18	0.20	0.20	0.00
19.75	0.08	0.019	88.17	0.20	0.20	0.00
19.80	0.08	0.018	88.17	0.20	0.20	0.00
19.85	0.07	0.018	88.16	0.19	0.19	0.00
19.90	0.07	0.017	88.16	0.19	0.19	0.00
19.95	0.07	0.017	88.15	0.19	0.19	0.00
20.00	0.07	0.016	88.15	0.19	0.19	0.00
20.05	0.07	0.016	88.14	0.19	0.19	0.00
20.10	0.07	0.015	88.14	0.19	0.19	0.00
20.15	0.07	0.015	88.14	0.19	0.19	0.00
20.20	0.07	0.014	88.13	0.19	0.19	0.00
20.25	0.07	0.014	88.13	0.19	0.19	0.00
20.30	0.07	0.013	88.12	0.19	0.19	0.00
20.35	0.07	0.013	88.12	0.19	0.19	0.00
20.40	0.07	0.013	88.11	0.18	0.18	0.00
20.45	0.07	0.012	88.11	0.18	0.18	0.00
20.50	0.07	0.012	88.11	0.18	0.18	0.00
20.55	0.07	0.011	88.10	0.18	0.18	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.07	0.011	88.10	0.18	0.18	0.00
20.65	0.07	0.010	88.09	0.18	0.18	0.00
20.70	0.07	0.010	88.09	0.18	0.18	0.00
20.75	0.07	0.009	88.09	0.18	0.18	0.00
20.80	0.07	0.009	88.08	0.18	0.18	0.00
20.85	0.07	0.009	88.08	0.18	0.18	0.00
20.90	0.07	0.008	88.07	0.18	0.18	0.00
20.95	0.07	0.008	88.07	0.18	0.18	0.00
21.00	0.07	0.007	88.07	0.17	0.17	0.00
21.05	0.07	0.007	88.06	0.17	0.17	0.00
21.10	0.07	0.006	88.06	0.17	0.17	0.00
21.15	0.07	0.006	88.05	0.16	0.16	0.00
21.20	0.07	0.006	88.05	0.15	0.15	0.00
21.25	0.07	0.005	88.05	0.14	0.14	0.00
21.30	0.07	0.005	88.05	0.13	0.13	0.00
21.35	0.07	0.005	88.04	0.13	0.13	0.00
21.40	0.07	0.005	88.04	0.12	0.12	0.00
21.45	0.07	0.004	88.04	0.12	0.12	0.00
21.50	0.07	0.004	88.04	0.11	0.11	0.00
21.55	0.07	0.004	88.04	0.11	0.11	0.00
21.60	0.07	0.004	88.04	0.10	0.10	0.00
21.65	0.07	0.004	88.03	0.10	0.10	0.00
21.70	0.07	0.004	88.03	0.10	0.10	0.00
21.75	0.07	0.004	88.03	0.09	0.09	0.00
21.80	0.07	0.003	88.03	0.09	0.09	0.00
21.85	0.07	0.003	88.03	0.09	0.09	0.00
21.90	0.07	0.003	88.03	0.09	0.09	0.00
21.95	0.07	0.003	88.03	0.09	0.09	0.00
22.00	0.07	0.003	88.03	0.08	0.08	0.00
22.05	0.07	0.003	88.03	0.08	0.08	0.00
22.10	0.07	0.003	88.03	0.08	0.08	0.00
22.15	0.07	0.003	88.03	0.08	0.08	0.00
22.20	0.07	0.003	88.03	0.08	0.08	0.00
22.25	0.07	0.003	88.03	0.08	0.08	0.00
22.30	0.07	0.003	88.03	0.08	0.08	0.00
22.35	0.07	0.003	88.03	0.08	0.08	0.00
22.40	0.07	0.003	88.03	0.07	0.07	0.00
22.45	0.07	0.003	88.03	0.07	0.07	0.00
22.50	0.07	0.003	88.03	0.07	0.07	0.00
22.55	0.07	0.003	88.03	0.07	0.07	0.00
22.60	0.07	0.003	88.02	0.07	0.07	0.00
22.65	0.07	0.003	88.02	0.07	0.07	0.00
22.70	0.07	0.003	88.02	0.07	0.07	0.00
22.75	0.07	0.003	88.02	0.07	0.07	0.00
22.80	0.07	0.003	88.02	0.07	0.07	0.00
22.85	0.07	0.003	88.02	0.07	0.07	0.00
22.90	0.07	0.003	88.02	0.07	0.07	0.00
22.95	0.07	0.003	88.02	0.07	0.07	0.00
23.00	0.07	0.003	88.02	0.07	0.07	0.00
23.05	0.07	0.003	88.02	0.07	0.07	0.00
23.10	0.07	0.003	88.02	0.07	0.07	0.00
23.15	0.07	0.003	88.02	0.07	0.07	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.06	0.003	88.02	0.07	0.07	0.00
23.25	0.06	0.003	88.02	0.07	0.07	0.00
23.30	0.06	0.003	88.02	0.07	0.07	0.00
23.35	0.06	0.003	88.02	0.07	0.07	0.00
23.40	0.06	0.003	88.02	0.07	0.07	0.00
23.45	0.06	0.003	88.02	0.07	0.07	0.00
23.50	0.06	0.003	88.02	0.07	0.07	0.00
23.55	0.06	0.002	88.02	0.07	0.07	0.00
23.60	0.06	0.002	88.02	0.07	0.07	0.00
23.65	0.06	0.002	88.02	0.07	0.07	0.00
23.70	0.06	0.002	88.02	0.06	0.06	0.00
23.75	0.06	0.002	88.02	0.06	0.06	0.00
23.80	0.06	0.002	88.02	0.06	0.06	0.00
23.85	0.06	0.002	88.02	0.06	0.06	0.00
23.90	0.06	0.002	88.02	0.06	0.06	0.00
23.95	0.06	0.002	88.02	0.06	0.06	0.00
24.00	0.06	0.002	88.02	0.06	0.06	0.00
24.05	0.06	0.002	88.02	0.06	0.06	0.00
24.10	0.05	0.002	88.02	0.06	0.06	0.00
24.15	0.04	0.002	88.02	0.06	0.06	0.00
24.20	0.03	0.002	88.02	0.06	0.06	0.00
24.25	0.03	0.002	88.02	0.06	0.06	0.00
24.30	0.02	0.002	88.02	0.05	0.05	0.00
24.35	0.02	0.002	88.02	0.05	0.05	0.00
24.40	0.01	0.002	88.02	0.05	0.05	0.00
24.45	0.01	0.002	88.01	0.04	0.04	0.00
24.50	0.01	0.001	88.01	0.04	0.04	0.00
24.55	0.01	0.001	88.01	0.04	0.04	0.00
24.60	0.00	0.001	88.01	0.03	0.03	0.00
24.65	0.00	0.001	88.01	0.03	0.03	0.00
24.70	0.00	0.001	88.01	0.03	0.03	0.00
24.75	0.00	0.001	88.01	0.02	0.02	0.00
24.80	0.00	0.001	88.01	0.02	0.02	0.00
24.85	0.00	0.001	88.01	0.02	0.02	0.00
24.90	0.00	0.001	88.01	0.02	0.02	0.00
24.95	0.00	0.001	88.01	0.02	0.02	0.00
25.00	0.00	0.001	88.01	0.01	0.01	0.00
25.05	0.00	0.000	88.00	0.01	0.01	0.00
25.10	0.00	0.000	88.00	0.01	0.01	0.00
25.15	0.00	0.000	88.00	0.01	0.01	0.00
25.20	0.00	0.000	88.00	0.01	0.01	0.00
25.25	0.00	0.000	88.00	0.01	0.01	0.00
25.30	0.00	0.000	88.00	0.01	0.01	0.00
25.35	0.00	0.000	88.00	0.01	0.01	0.00
25.40	0.00	0.000	88.00	0.01	0.01	0.00
25.45	0.00	0.000	88.00	0.01	0.01	0.00
25.50	0.00	0.000	88.00	0.01	0.01	0.00
25.55	0.00	0.000	88.00	0.00	0.00	0.00
25.60	0.00	0.000	88.00	0.00	0.00	0.00
25.65	0.00	0.000	88.00	0.00	0.00	0.00
25.70	0.00	0.000	88.00	0.00	0.00	0.00
25.75	0.00	0.000	88.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	88.00	0.00	0.00	0.00
25.85	0.00	0.000	88.00	0.00	0.00	0.00
25.90	0.00	0.000	88.00	0.00	0.00	0.00
25.95	0.00	0.000	88.00	0.00	0.00	0.00
26.00	0.00	0.000	88.00	0.00	0.00	0.00
26.05	0.00	0.000	88.00	0.00	0.00	0.00
26.10	0.00	0.000	88.00	0.00	0.00	0.00
26.15	0.00	0.000	88.00	0.00	0.00	0.00
26.20	0.00	0.000	88.00	0.00	0.00	0.00
26.25	0.00	0.000	88.00	0.00	0.00	0.00
26.30	0.00	0.000	88.00	0.00	0.00	0.00
26.35	0.00	0.000	88.00	0.00	0.00	0.00
26.40	0.00	0.000	88.00	0.00	0.00	0.00
26.45	0.00	0.000	88.00	0.00	0.00	0.00
26.50	0.00	0.000	88.00	0.00	0.00	0.00
26.55	0.00	0.000	88.00	0.00	0.00	0.00
26.60	0.00	0.000	88.00	0.00	0.00	0.00
26.65	0.00	0.000	88.00	0.00	0.00	0.00
26.70	0.00	0.000	88.00	0.00	0.00	0.00
26.75	0.00	0.000	88.00	0.00	0.00	0.00
26.80	0.00	0.000	88.00	0.00	0.00	0.00
26.85	0.00	0.000	88.00	0.00	0.00	0.00
26.90	0.00	0.000	88.00	0.00	0.00	0.00
26.95	0.00	0.000	88.00	0.00	0.00	0.00
27.00	0.00	0.000	88.00	0.00	0.00	0.00
27.05	0.00	0.000	88.00	0.00	0.00	0.00
27.10	0.00	0.000	88.00	0.00	0.00	0.00
27.15	0.00	0.000	88.00	0.00	0.00	0.00
27.20	0.00	0.000	88.00	0.00	0.00	0.00
27.25	0.00	0.000	88.00	0.00	0.00	0.00
27.30	0.00	0.000	88.00	0.00	0.00	0.00
27.35	0.00	0.000	88.00	0.00	0.00	0.00
27.40	0.00	0.000	88.00	0.00	0.00	0.00
27.45	0.00	0.000	88.00	0.00	0.00	0.00
27.50	0.00	0.000	88.00	0.00	0.00	0.00
27.55	0.00	0.000	88.00	0.00	0.00	0.00
27.60	0.00	0.000	88.00	0.00	0.00	0.00
27.65	0.00	0.000	88.00	0.00	0.00	0.00
27.70	0.00	0.000	88.00	0.00	0.00	0.00
27.75	0.00	0.000	88.00	0.00	0.00	0.00
27.80	0.00	0.000	88.00	0.00	0.00	0.00
27.85	0.00	0.000	88.00	0.00	0.00	0.00
27.90	0.00	0.000	88.00	0.00	0.00	0.00
27.95	0.00	0.000	88.00	0.00	0.00	0.00
28.00	0.00	0.000	88.00	0.00	0.00	0.00
28.05	0.00	0.000	88.00	0.00	0.00	0.00
28.10	0.00	0.000	88.00	0.00	0.00	0.00
28.15	0.00	0.000	88.00	0.00	0.00	0.00
28.20	0.00	0.000	88.00	0.00	0.00	0.00
28.25	0.00	0.000	88.00	0.00	0.00	0.00
28.30	0.00	0.000	88.00	0.00	0.00	0.00
28.35	0.00	0.000	88.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	88.00	0.00	0.00	0.00
28.45	0.00	0.000	88.00	0.00	0.00	0.00
28.50	0.00	0.000	88.00	0.00	0.00	0.00
28.55	0.00	0.000	88.00	0.00	0.00	0.00
28.60	0.00	0.000	88.00	0.00	0.00	0.00
28.65	0.00	0.000	88.00	0.00	0.00	0.00
28.70	0.00	0.000	88.00	0.00	0.00	0.00
28.75	0.00	0.000	88.00	0.00	0.00	0.00
28.80	0.00	0.000	88.00	0.00	0.00	0.00
28.85	0.00	0.000	88.00	0.00	0.00	0.00
28.90	0.00	0.000	88.00	0.00	0.00	0.00
28.95	0.00	0.000	88.00	0.00	0.00	0.00
29.00	0.00	0.000	88.00	0.00	0.00	0.00
29.05	0.00	0.000	88.00	0.00	0.00	0.00
29.10	0.00	0.000	88.00	0.00	0.00	0.00
29.15	0.00	0.000	88.00	0.00	0.00	0.00
29.20	0.00	0.000	88.00	0.00	0.00	0.00
29.25	0.00	0.000	88.00	0.00	0.00	0.00
29.30	0.00	0.000	88.00	0.00	0.00	0.00
29.35	0.00	0.000	88.00	0.00	0.00	0.00
29.40	0.00	0.000	88.00	0.00	0.00	0.00
29.45	0.00	0.000	88.00	0.00	0.00	0.00
29.50	0.00	0.000	88.00	0.00	0.00	0.00
29.55	0.00	0.000	88.00	0.00	0.00	0.00
29.60	0.00	0.000	88.00	0.00	0.00	0.00
29.65	0.00	0.000	88.00	0.00	0.00	0.00
29.70	0.00	0.000	88.00	0.00	0.00	0.00
29.75	0.00	0.000	88.00	0.00	0.00	0.00
29.80	0.00	0.000	88.00	0.00	0.00	0.00
29.85	0.00	0.000	88.00	0.00	0.00	0.00
29.90	0.00	0.000	88.00	0.00	0.00	0.00
29.95	0.00	0.000	88.00	0.00	0.00	0.00
30.00	0.00	0.000	88.00	0.00	0.00	0.00

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Summary for Pond Basin 6: Basin 6

Inflow Area = 1.900 ac, 21.05% Impervious, Inflow Depth > 0.67" for 2 year event
 Inflow = 0.81 cfs @ 12.19 hrs, Volume= 0.106 af
 Outflow = 0.34 cfs @ 12.58 hrs, Volume= 0.106 af, Atten= 59%, Lag= 23.2 min
 Discarded = 0.34 cfs @ 12.58 hrs, Volume= 0.106 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 92.08' @ 12.58 hrs Surf.Area= 0.162 ac Storage= 0.018 af

Plug-Flow detention time= 25.1 min calculated for 0.106 af (100% of inflow)
 Center-of-Mass det. time= 24.4 min (819.9 - 795.5)

Volume	Invert	Avail.Storage	Storage Description
#1	92.00'	1.350 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
92.00	0.150	0.000	0.000
93.00	0.300	0.225	0.225
94.00	0.350	0.325	0.550
95.00	0.400	0.375	0.925
96.00	0.450	0.425	1.350

Device	Routing	Invert	Outlet Devices
#1	Discarded	92.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 89.00'
#2	Primary	93.00'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	94.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.34 cfs @ 12.58 hrs HW=92.08' (Free Discharge)
 ↳1=Exfiltration (Controls 0.34 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=92.00' (Free Discharge)
 ↳2=Orifice/Grate (Controls 0.00 cfs)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 6: Basin 6

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.02	0.000	92.00	0.00	0.00	0.00
5.05	0.02	0.000	92.00	0.00	0.00	0.00
5.10	0.02	0.000	92.00	0.01	0.01	0.00
5.15	0.02	0.000	92.00	0.01	0.01	0.00
5.20	0.02	0.000	92.00	0.01	0.01	0.00
5.25	0.02	0.000	92.00	0.01	0.01	0.00
5.30	0.02	0.000	92.00	0.01	0.01	0.00
5.35	0.02	0.000	92.00	0.01	0.01	0.00
5.40	0.02	0.000	92.00	0.02	0.02	0.00
5.45	0.02	0.000	92.00	0.02	0.02	0.00
5.50	0.02	0.000	92.00	0.02	0.02	0.00
5.55	0.02	0.001	92.00	0.02	0.02	0.00
5.60	0.02	0.001	92.00	0.02	0.02	0.00
5.65	0.02	0.001	92.00	0.02	0.02	0.00
5.70	0.02	0.001	92.00	0.02	0.02	0.00
5.75	0.02	0.001	92.00	0.02	0.02	0.00
5.80	0.02	0.001	92.00	0.02	0.02	0.00
5.85	0.02	0.001	92.00	0.02	0.02	0.00
5.90	0.02	0.001	92.00	0.02	0.02	0.00
5.95	0.02	0.001	92.00	0.02	0.02	0.00
6.00	0.02	0.001	92.00	0.02	0.02	0.00
6.05	0.02	0.001	92.00	0.02	0.02	0.00
6.10	0.02	0.001	92.00	0.02	0.02	0.00
6.15	0.02	0.001	92.00	0.02	0.02	0.00
6.20	0.02	0.001	92.00	0.02	0.02	0.00
6.25	0.02	0.001	92.00	0.02	0.02	0.00
6.30	0.02	0.001	92.00	0.02	0.02	0.00
6.35	0.03	0.001	92.00	0.02	0.02	0.00
6.40	0.03	0.001	92.00	0.02	0.02	0.00
6.45	0.03	0.001	92.00	0.02	0.02	0.00
6.50	0.03	0.001	92.00	0.02	0.02	0.00
6.55	0.03	0.001	92.00	0.02	0.02	0.00
6.60	0.03	0.001	92.00	0.02	0.02	0.00
6.65	0.03	0.001	92.00	0.03	0.03	0.00
6.70	0.03	0.001	92.00	0.03	0.03	0.00
6.75	0.03	0.001	92.00	0.03	0.03	0.00
6.80	0.03	0.001	92.00	0.03	0.03	0.00
6.85	0.03	0.001	92.00	0.03	0.03	0.00
6.90	0.03	0.001	92.00	0.03	0.03	0.00
6.95	0.03	0.001	92.00	0.03	0.03	0.00
7.00	0.03	0.001	92.00	0.03	0.03	0.00
7.05	0.03	0.001	92.00	0.03	0.03	0.00
7.10	0.03	0.001	92.00	0.03	0.03	0.00
7.15	0.03	0.001	92.00	0.03	0.03	0.00
7.20	0.03	0.001	92.00	0.03	0.03	0.00
7.25	0.03	0.001	92.00	0.03	0.03	0.00
7.30	0.03	0.001	92.00	0.03	0.03	0.00
7.35	0.03	0.001	92.00	0.03	0.03	0.00
7.40	0.03	0.001	92.00	0.03	0.03	0.00
7.45	0.03	0.001	92.00	0.03	0.03	0.00
7.50	0.03	0.001	92.00	0.03	0.03	0.00
7.55	0.03	0.001	92.00	0.03	0.03	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.03	0.001	92.00	0.03	0.03	0.00
7.65	0.03	0.001	92.00	0.03	0.03	0.00
7.70	0.03	0.001	92.00	0.03	0.03	0.00
7.75	0.03	0.001	92.00	0.03	0.03	0.00
7.80	0.03	0.001	92.00	0.03	0.03	0.00
7.85	0.03	0.001	92.00	0.03	0.03	0.00
7.90	0.04	0.001	92.00	0.03	0.03	0.00
7.95	0.04	0.001	92.00	0.03	0.03	0.00
8.00	0.04	0.001	92.00	0.03	0.03	0.00
8.05	0.04	0.001	92.00	0.03	0.03	0.00
8.10	0.04	0.001	92.00	0.03	0.03	0.00
8.15	0.04	0.001	92.00	0.03	0.03	0.00
8.20	0.04	0.001	92.00	0.03	0.03	0.00
8.25	0.04	0.001	92.00	0.04	0.04	0.00
8.30	0.04	0.001	92.00	0.04	0.04	0.00
8.35	0.04	0.001	92.00	0.04	0.04	0.00
8.40	0.04	0.001	92.00	0.04	0.04	0.00
8.45	0.04	0.001	92.00	0.04	0.04	0.00
8.50	0.04	0.001	92.00	0.04	0.04	0.00
8.55	0.04	0.001	92.00	0.04	0.04	0.00
8.60	0.04	0.001	92.00	0.04	0.04	0.00
8.65	0.04	0.001	92.00	0.04	0.04	0.00
8.70	0.04	0.001	92.00	0.04	0.04	0.00
8.75	0.04	0.001	92.00	0.04	0.04	0.00
8.80	0.04	0.001	92.00	0.04	0.04	0.00
8.85	0.04	0.001	92.00	0.04	0.04	0.00
8.90	0.04	0.001	92.00	0.04	0.04	0.00
8.95	0.04	0.001	92.00	0.04	0.04	0.00
9.00	0.04	0.001	92.01	0.04	0.04	0.00
9.05	0.04	0.001	92.01	0.04	0.04	0.00
9.10	0.04	0.001	92.01	0.04	0.04	0.00
9.15	0.04	0.001	92.01	0.04	0.04	0.00
9.20	0.04	0.001	92.01	0.04	0.04	0.00
9.25	0.05	0.001	92.01	0.04	0.04	0.00
9.30	0.05	0.001	92.01	0.04	0.04	0.00
9.35	0.05	0.001	92.01	0.04	0.04	0.00
9.40	0.05	0.001	92.01	0.04	0.04	0.00
9.45	0.05	0.001	92.01	0.04	0.04	0.00
9.50	0.05	0.001	92.01	0.04	0.04	0.00
9.55	0.05	0.001	92.01	0.05	0.05	0.00
9.60	0.05	0.001	92.01	0.05	0.05	0.00
9.65	0.05	0.001	92.01	0.05	0.05	0.00
9.70	0.05	0.001	92.01	0.05	0.05	0.00
9.75	0.05	0.001	92.01	0.05	0.05	0.00
9.80	0.06	0.001	92.01	0.05	0.05	0.00
9.85	0.06	0.001	92.01	0.05	0.05	0.00
9.90	0.06	0.001	92.01	0.05	0.05	0.00
9.95	0.06	0.001	92.01	0.05	0.05	0.00
10.00	0.06	0.001	92.01	0.05	0.05	0.00
10.05	0.06	0.002	92.01	0.05	0.05	0.00
10.10	0.06	0.002	92.01	0.05	0.05	0.00
10.15	0.06	0.002	92.01	0.06	0.06	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.06	0.002	92.01	0.06	0.06	0.00
10.25	0.06	0.002	92.01	0.06	0.06	0.00
10.30	0.07	0.002	92.01	0.06	0.06	0.00
10.35	0.07	0.002	92.01	0.06	0.06	0.00
10.40	0.07	0.002	92.01	0.06	0.06	0.00
10.45	0.07	0.002	92.01	0.06	0.06	0.00
10.50	0.07	0.002	92.01	0.06	0.06	0.00
10.55	0.07	0.002	92.01	0.06	0.06	0.00
10.60	0.07	0.002	92.01	0.06	0.06	0.00
10.65	0.07	0.002	92.01	0.07	0.07	0.00
10.70	0.08	0.002	92.01	0.07	0.07	0.00
10.75	0.08	0.002	92.01	0.07	0.07	0.00
10.80	0.08	0.002	92.01	0.07	0.07	0.00
10.85	0.08	0.002	92.01	0.07	0.07	0.00
10.90	0.09	0.002	92.01	0.07	0.07	0.00
10.95	0.09	0.002	92.01	0.08	0.08	0.00
11.00	0.09	0.002	92.01	0.08	0.08	0.00
11.05	0.10	0.002	92.01	0.08	0.08	0.00
11.10	0.10	0.002	92.01	0.08	0.08	0.00
11.15	0.10	0.002	92.01	0.09	0.09	0.00
11.20	0.11	0.002	92.01	0.09	0.09	0.00
11.25	0.11	0.003	92.01	0.09	0.09	0.00
11.30	0.12	0.003	92.01	0.09	0.09	0.00
11.35	0.12	0.003	92.01	0.10	0.10	0.00
11.40	0.13	0.003	92.01	0.10	0.10	0.00
11.45	0.13	0.003	92.01	0.11	0.11	0.00
11.50	0.14	0.003	92.01	0.11	0.11	0.00
11.55	0.15	0.003	92.01	0.11	0.11	0.00
11.60	0.16	0.003	92.02	0.12	0.12	0.00
11.65	0.17	0.004	92.02	0.13	0.13	0.00
11.70	0.18	0.004	92.02	0.13	0.13	0.00
11.75	0.19	0.004	92.02	0.14	0.14	0.00
11.80	0.21	0.004	92.02	0.15	0.15	0.00
11.85	0.24	0.004	92.02	0.16	0.16	0.00
11.90	0.27	0.005	92.02	0.17	0.17	0.00
11.95	0.32	0.005	92.02	0.19	0.19	0.00
12.00	0.39	0.006	92.03	0.21	0.21	0.00
12.05	0.49	0.007	92.03	0.24	0.24	0.00
12.10	0.64	0.008	92.04	0.29	0.29	0.00
12.15	0.78	0.010	92.04	0.32	0.32	0.00
12.20	0.81	0.012	92.05	0.32	0.32	0.00
12.25	0.74	0.014	92.06	0.33	0.33	0.00
12.30	0.66	0.015	92.07	0.33	0.33	0.00
12.35	0.58	0.016	92.07	0.33	0.33	0.00
12.40	0.51	0.017	92.08	0.33	0.33	0.00
12.45	0.45	0.018	92.08	0.33	0.33	0.00
12.50	0.40	0.018	92.08	0.34	0.34	0.00
12.55	0.36	0.018	92.08	0.34	0.34	0.00
12.60	0.32	0.018	92.08	0.34	0.34	0.00
12.65	0.28	0.018	92.08	0.34	0.34	0.00
12.70	0.25	0.018	92.08	0.33	0.33	0.00
12.75	0.23	0.018	92.08	0.33	0.33	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.21	0.017	92.08	0.33	0.33	0.00
12.85	0.19	0.017	92.07	0.33	0.33	0.00
12.90	0.18	0.016	92.07	0.33	0.33	0.00
12.95	0.16	0.015	92.07	0.33	0.33	0.00
13.00	0.16	0.015	92.06	0.33	0.33	0.00
13.05	0.15	0.014	92.06	0.33	0.33	0.00
13.10	0.14	0.013	92.06	0.33	0.33	0.00
13.15	0.13	0.012	92.05	0.32	0.32	0.00
13.20	0.12	0.011	92.05	0.32	0.32	0.00
13.25	0.12	0.011	92.05	0.32	0.32	0.00
13.30	0.11	0.010	92.04	0.32	0.32	0.00
13.35	0.11	0.009	92.04	0.32	0.32	0.00
13.40	0.11	0.008	92.04	0.29	0.29	0.00
13.45	0.10	0.007	92.03	0.26	0.26	0.00
13.50	0.10	0.007	92.03	0.24	0.24	0.00
13.55	0.09	0.006	92.03	0.22	0.22	0.00
13.60	0.09	0.006	92.03	0.20	0.20	0.00
13.65	0.09	0.005	92.02	0.19	0.19	0.00
13.70	0.08	0.005	92.02	0.17	0.17	0.00
13.75	0.08	0.005	92.02	0.16	0.16	0.00
13.80	0.08	0.004	92.02	0.15	0.15	0.00
13.85	0.08	0.004	92.02	0.14	0.14	0.00
13.90	0.08	0.004	92.02	0.13	0.13	0.00
13.95	0.07	0.003	92.02	0.12	0.12	0.00
14.00	0.07	0.003	92.01	0.12	0.12	0.00
14.05	0.07	0.003	92.01	0.11	0.11	0.00
14.10	0.07	0.003	92.01	0.11	0.11	0.00
14.15	0.07	0.003	92.01	0.10	0.10	0.00
14.20	0.07	0.003	92.01	0.10	0.10	0.00
14.25	0.07	0.003	92.01	0.09	0.09	0.00
14.30	0.07	0.003	92.01	0.09	0.09	0.00
14.35	0.07	0.002	92.01	0.09	0.09	0.00
14.40	0.06	0.002	92.01	0.08	0.08	0.00
14.45	0.06	0.002	92.01	0.08	0.08	0.00
14.50	0.06	0.002	92.01	0.08	0.08	0.00
14.55	0.06	0.002	92.01	0.08	0.08	0.00
14.60	0.06	0.002	92.01	0.07	0.07	0.00
14.65	0.06	0.002	92.01	0.07	0.07	0.00
14.70	0.06	0.002	92.01	0.07	0.07	0.00
14.75	0.06	0.002	92.01	0.07	0.07	0.00
14.80	0.06	0.002	92.01	0.07	0.07	0.00
14.85	0.06	0.002	92.01	0.07	0.07	0.00
14.90	0.05	0.002	92.01	0.06	0.06	0.00
14.95	0.05	0.002	92.01	0.06	0.06	0.00
15.00	0.05	0.002	92.01	0.06	0.06	0.00
15.05	0.05	0.002	92.01	0.06	0.06	0.00
15.10	0.05	0.002	92.01	0.06	0.06	0.00
15.15	0.05	0.002	92.01	0.06	0.06	0.00
15.20	0.05	0.002	92.01	0.06	0.06	0.00
15.25	0.05	0.002	92.01	0.06	0.06	0.00
15.30	0.05	0.002	92.01	0.05	0.05	0.00
15.35	0.05	0.002	92.01	0.05	0.05	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.05	0.001	92.01	0.05	0.05	0.00
15.45	0.05	0.001	92.01	0.05	0.05	0.00
15.50	0.05	0.001	92.01	0.05	0.05	0.00
15.55	0.05	0.001	92.01	0.05	0.05	0.00
15.60	0.04	0.001	92.01	0.05	0.05	0.00
15.65	0.04	0.001	92.01	0.05	0.05	0.00
15.70	0.04	0.001	92.01	0.05	0.05	0.00
15.75	0.04	0.001	92.01	0.05	0.05	0.00
15.80	0.04	0.001	92.01	0.05	0.05	0.00
15.85	0.04	0.001	92.01	0.05	0.05	0.00
15.90	0.04	0.001	92.01	0.05	0.05	0.00
15.95	0.04	0.001	92.01	0.05	0.05	0.00
16.00	0.04	0.001	92.01	0.05	0.05	0.00
16.05	0.04	0.001	92.01	0.04	0.04	0.00
16.10	0.04	0.001	92.01	0.04	0.04	0.00
16.15	0.04	0.001	92.01	0.04	0.04	0.00
16.20	0.04	0.001	92.01	0.04	0.04	0.00
16.25	0.04	0.001	92.01	0.04	0.04	0.00
16.30	0.04	0.001	92.01	0.04	0.04	0.00
16.35	0.04	0.001	92.01	0.04	0.04	0.00
16.40	0.04	0.001	92.01	0.04	0.04	0.00
16.45	0.04	0.001	92.01	0.04	0.04	0.00
16.50	0.04	0.001	92.01	0.04	0.04	0.00
16.55	0.04	0.001	92.01	0.04	0.04	0.00
16.60	0.04	0.001	92.01	0.04	0.04	0.00
16.65	0.04	0.001	92.01	0.04	0.04	0.00
16.70	0.04	0.001	92.01	0.04	0.04	0.00
16.75	0.04	0.001	92.01	0.04	0.04	0.00
16.80	0.04	0.001	92.00	0.04	0.04	0.00
16.85	0.04	0.001	92.00	0.04	0.04	0.00
16.90	0.04	0.001	92.00	0.04	0.04	0.00
16.95	0.04	0.001	92.00	0.04	0.04	0.00
17.00	0.04	0.001	92.00	0.04	0.04	0.00
17.05	0.04	0.001	92.00	0.04	0.04	0.00
17.10	0.04	0.001	92.00	0.04	0.04	0.00
17.15	0.04	0.001	92.00	0.04	0.04	0.00
17.20	0.04	0.001	92.00	0.04	0.04	0.00
17.25	0.03	0.001	92.00	0.04	0.04	0.00
17.30	0.03	0.001	92.00	0.04	0.04	0.00
17.35	0.03	0.001	92.00	0.04	0.04	0.00
17.40	0.03	0.001	92.00	0.04	0.04	0.00
17.45	0.03	0.001	92.00	0.04	0.04	0.00
17.50	0.03	0.001	92.00	0.04	0.04	0.00
17.55	0.03	0.001	92.00	0.04	0.04	0.00
17.60	0.03	0.001	92.00	0.03	0.03	0.00
17.65	0.03	0.001	92.00	0.03	0.03	0.00
17.70	0.03	0.001	92.00	0.03	0.03	0.00
17.75	0.03	0.001	92.00	0.03	0.03	0.00
17.80	0.03	0.001	92.00	0.03	0.03	0.00
17.85	0.03	0.001	92.00	0.03	0.03	0.00
17.90	0.03	0.001	92.00	0.03	0.03	0.00
17.95	0.03	0.001	92.00	0.03	0.03	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.03	0.001	92.00	0.03	0.03	0.00
18.05	0.03	0.001	92.00	0.03	0.03	0.00
18.10	0.03	0.001	92.00	0.03	0.03	0.00
18.15	0.03	0.001	92.00	0.03	0.03	0.00
18.20	0.03	0.001	92.00	0.03	0.03	0.00
18.25	0.03	0.001	92.00	0.03	0.03	0.00
18.30	0.03	0.001	92.00	0.03	0.03	0.00
18.35	0.03	0.001	92.00	0.03	0.03	0.00
18.40	0.03	0.001	92.00	0.03	0.03	0.00
18.45	0.03	0.001	92.00	0.03	0.03	0.00
18.50	0.03	0.001	92.00	0.03	0.03	0.00
18.55	0.03	0.001	92.00	0.03	0.03	0.00
18.60	0.03	0.001	92.00	0.03	0.03	0.00
18.65	0.03	0.001	92.00	0.03	0.03	0.00
18.70	0.03	0.001	92.00	0.03	0.03	0.00
18.75	0.03	0.001	92.00	0.03	0.03	0.00
18.80	0.03	0.001	92.00	0.03	0.03	0.00
18.85	0.03	0.001	92.00	0.03	0.03	0.00
18.90	0.03	0.001	92.00	0.03	0.03	0.00
18.95	0.03	0.001	92.00	0.03	0.03	0.00
19.00	0.03	0.001	92.00	0.03	0.03	0.00
19.05	0.03	0.001	92.00	0.03	0.03	0.00
19.10	0.03	0.001	92.00	0.03	0.03	0.00
19.15	0.03	0.001	92.00	0.03	0.03	0.00
19.20	0.03	0.001	92.00	0.03	0.03	0.00
19.25	0.03	0.001	92.00	0.03	0.03	0.00
19.30	0.03	0.001	92.00	0.03	0.03	0.00
19.35	0.03	0.001	92.00	0.03	0.03	0.00
19.40	0.03	0.001	92.00	0.03	0.03	0.00
19.45	0.03	0.001	92.00	0.03	0.03	0.00
19.50	0.03	0.001	92.00	0.03	0.03	0.00
19.55	0.03	0.001	92.00	0.03	0.03	0.00
19.60	0.03	0.001	92.00	0.03	0.03	0.00
19.65	0.03	0.001	92.00	0.03	0.03	0.00
19.70	0.03	0.001	92.00	0.03	0.03	0.00
19.75	0.03	0.001	92.00	0.03	0.03	0.00
19.80	0.03	0.001	92.00	0.03	0.03	0.00
19.85	0.03	0.001	92.00	0.03	0.03	0.00
19.90	0.03	0.001	92.00	0.03	0.03	0.00
19.95	0.03	0.001	92.00	0.03	0.03	0.00
20.00	0.03	0.001	92.00	0.03	0.03	0.00
20.05	0.03	0.001	92.00	0.03	0.03	0.00
20.10	0.03	0.001	92.00	0.03	0.03	0.00
20.15	0.03	0.001	92.00	0.03	0.03	0.00
20.20	0.03	0.001	92.00	0.03	0.03	0.00
20.25	0.03	0.001	92.00	0.03	0.03	0.00
20.30	0.03	0.001	92.00	0.03	0.03	0.00
20.35	0.03	0.001	92.00	0.03	0.03	0.00
20.40	0.03	0.001	92.00	0.03	0.03	0.00
20.45	0.03	0.001	92.00	0.03	0.03	0.00
20.50	0.03	0.001	92.00	0.03	0.03	0.00
20.55	0.03	0.001	92.00	0.03	0.03	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.03	0.001	92.00	0.03	0.03	0.00
20.65	0.03	0.001	92.00	0.03	0.03	0.00
20.70	0.03	0.001	92.00	0.03	0.03	0.00
20.75	0.03	0.001	92.00	0.03	0.03	0.00
20.80	0.03	0.001	92.00	0.03	0.03	0.00
20.85	0.03	0.001	92.00	0.03	0.03	0.00
20.90	0.03	0.001	92.00	0.03	0.03	0.00
20.95	0.03	0.001	92.00	0.03	0.03	0.00
21.00	0.03	0.001	92.00	0.03	0.03	0.00
21.05	0.03	0.001	92.00	0.03	0.03	0.00
21.10	0.03	0.001	92.00	0.03	0.03	0.00
21.15	0.03	0.001	92.00	0.03	0.03	0.00
21.20	0.03	0.001	92.00	0.03	0.03	0.00
21.25	0.03	0.001	92.00	0.03	0.03	0.00
21.30	0.03	0.001	92.00	0.03	0.03	0.00
21.35	0.03	0.001	92.00	0.03	0.03	0.00
21.40	0.03	0.001	92.00	0.03	0.03	0.00
21.45	0.03	0.001	92.00	0.03	0.03	0.00
21.50	0.03	0.001	92.00	0.03	0.03	0.00
21.55	0.03	0.001	92.00	0.03	0.03	0.00
21.60	0.03	0.001	92.00	0.03	0.03	0.00
21.65	0.03	0.001	92.00	0.03	0.03	0.00
21.70	0.03	0.001	92.00	0.03	0.03	0.00
21.75	0.03	0.001	92.00	0.03	0.03	0.00
21.80	0.03	0.001	92.00	0.03	0.03	0.00
21.85	0.03	0.001	92.00	0.03	0.03	0.00
21.90	0.03	0.001	92.00	0.03	0.03	0.00
21.95	0.03	0.001	92.00	0.03	0.03	0.00
22.00	0.03	0.001	92.00	0.03	0.03	0.00
22.05	0.03	0.001	92.00	0.03	0.03	0.00
22.10	0.03	0.001	92.00	0.03	0.03	0.00
22.15	0.03	0.001	92.00	0.03	0.03	0.00
22.20	0.03	0.001	92.00	0.03	0.03	0.00
22.25	0.03	0.001	92.00	0.03	0.03	0.00
22.30	0.03	0.001	92.00	0.03	0.03	0.00
22.35	0.03	0.001	92.00	0.03	0.03	0.00
22.40	0.03	0.001	92.00	0.03	0.03	0.00
22.45	0.03	0.001	92.00	0.03	0.03	0.00
22.50	0.03	0.001	92.00	0.03	0.03	0.00
22.55	0.02	0.001	92.00	0.03	0.03	0.00
22.60	0.02	0.001	92.00	0.03	0.03	0.00
22.65	0.02	0.001	92.00	0.03	0.03	0.00
22.70	0.02	0.001	92.00	0.03	0.03	0.00
22.75	0.02	0.001	92.00	0.03	0.03	0.00
22.80	0.02	0.001	92.00	0.03	0.03	0.00
22.85	0.02	0.001	92.00	0.03	0.03	0.00
22.90	0.02	0.001	92.00	0.02	0.02	0.00
22.95	0.02	0.001	92.00	0.02	0.02	0.00
23.00	0.02	0.001	92.00	0.02	0.02	0.00
23.05	0.02	0.001	92.00	0.02	0.02	0.00
23.10	0.02	0.001	92.00	0.02	0.02	0.00
23.15	0.02	0.001	92.00	0.02	0.02	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.02	0.001	92.00	0.02	0.02	0.00
23.25	0.02	0.001	92.00	0.02	0.02	0.00
23.30	0.02	0.001	92.00	0.02	0.02	0.00
23.35	0.02	0.001	92.00	0.02	0.02	0.00
23.40	0.02	0.001	92.00	0.02	0.02	0.00
23.45	0.02	0.001	92.00	0.02	0.02	0.00
23.50	0.02	0.001	92.00	0.02	0.02	0.00
23.55	0.02	0.001	92.00	0.02	0.02	0.00
23.60	0.02	0.001	92.00	0.02	0.02	0.00
23.65	0.02	0.001	92.00	0.02	0.02	0.00
23.70	0.02	0.001	92.00	0.02	0.02	0.00
23.75	0.02	0.001	92.00	0.02	0.02	0.00
23.80	0.02	0.001	92.00	0.02	0.02	0.00
23.85	0.02	0.001	92.00	0.02	0.02	0.00
23.90	0.02	0.001	92.00	0.02	0.02	0.00
23.95	0.02	0.001	92.00	0.02	0.02	0.00
24.00	0.02	0.001	92.00	0.02	0.02	0.00
24.05	0.02	0.001	92.00	0.02	0.02	0.00
24.10	0.02	0.001	92.00	0.02	0.02	0.00
24.15	0.02	0.001	92.00	0.02	0.02	0.00
24.20	0.01	0.001	92.00	0.02	0.02	0.00
24.25	0.01	0.001	92.00	0.02	0.02	0.00
24.30	0.01	0.001	92.00	0.02	0.02	0.00
24.35	0.01	0.000	92.00	0.02	0.02	0.00
24.40	0.01	0.000	92.00	0.02	0.02	0.00
24.45	0.00	0.000	92.00	0.01	0.01	0.00
24.50	0.00	0.000	92.00	0.01	0.01	0.00
24.55	0.00	0.000	92.00	0.01	0.01	0.00
24.60	0.00	0.000	92.00	0.01	0.01	0.00
24.65	0.00	0.000	92.00	0.01	0.01	0.00
24.70	0.00	0.000	92.00	0.01	0.01	0.00
24.75	0.00	0.000	92.00	0.01	0.01	0.00
24.80	0.00	0.000	92.00	0.01	0.01	0.00
24.85	0.00	0.000	92.00	0.01	0.01	0.00
24.90	0.00	0.000	92.00	0.01	0.01	0.00
24.95	0.00	0.000	92.00	0.00	0.00	0.00
25.00	0.00	0.000	92.00	0.00	0.00	0.00
25.05	0.00	0.000	92.00	0.00	0.00	0.00
25.10	0.00	0.000	92.00	0.00	0.00	0.00
25.15	0.00	0.000	92.00	0.00	0.00	0.00
25.20	0.00	0.000	92.00	0.00	0.00	0.00
25.25	0.00	0.000	92.00	0.00	0.00	0.00
25.30	0.00	0.000	92.00	0.00	0.00	0.00
25.35	0.00	0.000	92.00	0.00	0.00	0.00
25.40	0.00	0.000	92.00	0.00	0.00	0.00
25.45	0.00	0.000	92.00	0.00	0.00	0.00
25.50	0.00	0.000	92.00	0.00	0.00	0.00
25.55	0.00	0.000	92.00	0.00	0.00	0.00
25.60	0.00	0.000	92.00	0.00	0.00	0.00
25.65	0.00	0.000	92.00	0.00	0.00	0.00
25.70	0.00	0.000	92.00	0.00	0.00	0.00
25.75	0.00	0.000	92.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	92.00	0.00	0.00	0.00
25.85	0.00	0.000	92.00	0.00	0.00	0.00
25.90	0.00	0.000	92.00	0.00	0.00	0.00
25.95	0.00	0.000	92.00	0.00	0.00	0.00
26.00	0.00	0.000	92.00	0.00	0.00	0.00
26.05	0.00	0.000	92.00	0.00	0.00	0.00
26.10	0.00	0.000	92.00	0.00	0.00	0.00
26.15	0.00	0.000	92.00	0.00	0.00	0.00
26.20	0.00	0.000	92.00	0.00	0.00	0.00
26.25	0.00	0.000	92.00	0.00	0.00	0.00
26.30	0.00	0.000	92.00	0.00	0.00	0.00
26.35	0.00	0.000	92.00	0.00	0.00	0.00
26.40	0.00	0.000	92.00	0.00	0.00	0.00
26.45	0.00	0.000	92.00	0.00	0.00	0.00
26.50	0.00	0.000	92.00	0.00	0.00	0.00
26.55	0.00	0.000	92.00	0.00	0.00	0.00
26.60	0.00	0.000	92.00	0.00	0.00	0.00
26.65	0.00	0.000	92.00	0.00	0.00	0.00
26.70	0.00	0.000	92.00	0.00	0.00	0.00
26.75	0.00	0.000	92.00	0.00	0.00	0.00
26.80	0.00	0.000	92.00	0.00	0.00	0.00
26.85	0.00	0.000	92.00	0.00	0.00	0.00
26.90	0.00	0.000	92.00	0.00	0.00	0.00
26.95	0.00	0.000	92.00	0.00	0.00	0.00
27.00	0.00	0.000	92.00	0.00	0.00	0.00
27.05	0.00	0.000	92.00	0.00	0.00	0.00
27.10	0.00	0.000	92.00	0.00	0.00	0.00
27.15	0.00	0.000	92.00	0.00	0.00	0.00
27.20	0.00	0.000	92.00	0.00	0.00	0.00
27.25	0.00	0.000	92.00	0.00	0.00	0.00
27.30	0.00	0.000	92.00	0.00	0.00	0.00
27.35	0.00	0.000	92.00	0.00	0.00	0.00
27.40	0.00	0.000	92.00	0.00	0.00	0.00
27.45	0.00	0.000	92.00	0.00	0.00	0.00
27.50	0.00	0.000	92.00	0.00	0.00	0.00
27.55	0.00	0.000	92.00	0.00	0.00	0.00
27.60	0.00	0.000	92.00	0.00	0.00	0.00
27.65	0.00	0.000	92.00	0.00	0.00	0.00
27.70	0.00	0.000	92.00	0.00	0.00	0.00
27.75	0.00	0.000	92.00	0.00	0.00	0.00
27.80	0.00	0.000	92.00	0.00	0.00	0.00
27.85	0.00	0.000	92.00	0.00	0.00	0.00
27.90	0.00	0.000	92.00	0.00	0.00	0.00
27.95	0.00	0.000	92.00	0.00	0.00	0.00
28.00	0.00	0.000	92.00	0.00	0.00	0.00
28.05	0.00	0.000	92.00	0.00	0.00	0.00
28.10	0.00	0.000	92.00	0.00	0.00	0.00
28.15	0.00	0.000	92.00	0.00	0.00	0.00
28.20	0.00	0.000	92.00	0.00	0.00	0.00
28.25	0.00	0.000	92.00	0.00	0.00	0.00
28.30	0.00	0.000	92.00	0.00	0.00	0.00
28.35	0.00	0.000	92.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	92.00	0.00	0.00	0.00
28.45	0.00	0.000	92.00	0.00	0.00	0.00
28.50	0.00	0.000	92.00	0.00	0.00	0.00
28.55	0.00	0.000	92.00	0.00	0.00	0.00
28.60	0.00	0.000	92.00	0.00	0.00	0.00
28.65	0.00	0.000	92.00	0.00	0.00	0.00
28.70	0.00	0.000	92.00	0.00	0.00	0.00
28.75	0.00	0.000	92.00	0.00	0.00	0.00
28.80	0.00	0.000	92.00	0.00	0.00	0.00
28.85	0.00	0.000	92.00	0.00	0.00	0.00
28.90	0.00	0.000	92.00	0.00	0.00	0.00
28.95	0.00	0.000	92.00	0.00	0.00	0.00
29.00	0.00	0.000	92.00	0.00	0.00	0.00
29.05	0.00	0.000	92.00	0.00	0.00	0.00
29.10	0.00	0.000	92.00	0.00	0.00	0.00
29.15	0.00	0.000	92.00	0.00	0.00	0.00
29.20	0.00	0.000	92.00	0.00	0.00	0.00
29.25	0.00	0.000	92.00	0.00	0.00	0.00
29.30	0.00	0.000	92.00	0.00	0.00	0.00
29.35	0.00	0.000	92.00	0.00	0.00	0.00
29.40	0.00	0.000	92.00	0.00	0.00	0.00
29.45	0.00	0.000	92.00	0.00	0.00	0.00
29.50	0.00	0.000	92.00	0.00	0.00	0.00
29.55	0.00	0.000	92.00	0.00	0.00	0.00
29.60	0.00	0.000	92.00	0.00	0.00	0.00
29.65	0.00	0.000	92.00	0.00	0.00	0.00
29.70	0.00	0.000	92.00	0.00	0.00	0.00
29.75	0.00	0.000	92.00	0.00	0.00	0.00
29.80	0.00	0.000	92.00	0.00	0.00	0.00
29.85	0.00	0.000	92.00	0.00	0.00	0.00
29.90	0.00	0.000	92.00	0.00	0.00	0.00
29.95	0.00	0.000	92.00	0.00	0.00	0.00
30.00	0.00	0.000	92.00	0.00	0.00	0.00

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Time span=5.00-30.00 hrs, dt=0.05 hrs, 501 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment Basin 1 Imp: Basin 1 Imp Runoff Area=0.600 ac 100.00% Impervious Runoff Depth>4.93"
Tc=10.0 min CN=98 Runoff=1.89 cfs 0.247 af

Subcatchment Basin 1 Pervious: Basin 1 - Runoff Area=2.100 ac 0.00% Impervious Runoff Depth=0.29"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.08 cfs 0.051 af

Subcatchment Basin 1 Roof: Basin 1 Roof Runoff Area=0.500 ac 100.00% Impervious Runoff Depth>4.93"
Tc=10.0 min CN=98 Runoff=1.58 cfs 0.206 af

Subcatchment Basin 2 Impervious: Basin Runoff Area=0.800 ac 100.00% Impervious Runoff Depth>4.93"
Tc=10.0 min CN=98 Runoff=2.53 cfs 0.329 af

Subcatchment Basin 2 Pervious: Basin 2 - Runoff Area=2.050 ac 0.00% Impervious Runoff Depth=0.29"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.07 cfs 0.050 af

Subcatchment Basin 2 Roof: Basin 2 Roof Runoff Area=0.350 ac 100.00% Impervious Runoff Depth>4.93"
Tc=10.0 min CN=98 Runoff=1.10 cfs 0.144 af

Subcatchment Basin 3 Impervious: Basin Runoff Area=1.200 ac 100.00% Impervious Runoff Depth>4.93"
Tc=10.0 min CN=98 Runoff=3.79 cfs 0.493 af

Subcatchment Basin 3 Pervious: Basin 3 - Runoff Area=3.300 ac 0.00% Impervious Runoff Depth=0.29"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.12 cfs 0.081 af

Subcatchment Basin 4 & 5 - Pervious: Basin Runoff Area=3.100 ac 0.00% Impervious Runoff Depth=0.29"
Flow Length=1,440' Tc=17.3 min CN=39 Runoff=0.12 cfs 0.076 af

Subcatchment Basin 4 & 5- Impervious: Runoff Area=1.100 ac 100.00% Impervious Runoff Depth>4.93"
Tc=10.0 min CN=98 Runoff=3.47 cfs 0.452 af

Subcatchment Basin 6 Impervious: Basin Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>4.93"
Tc=10.0 min CN=98 Runoff=1.26 cfs 0.164 af

Subcatchment Basin 6 Pervious: Basin 6 - Runoff Area=1.500 ac 0.00% Impervious Runoff Depth=0.29"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.05 cfs 0.037 af

Reach Site: Site Inflow=0.13 cfs 0.028 af
Outflow=0.13 cfs 0.028 af

Pond Basin 1: Basin 1 Peak Elev=90.92' Storage=0.190 af Inflow=3.47 cfs 0.504 af
Discarded=0.46 cfs 0.476 af Primary=0.13 cfs 0.028 af Outflow=0.59 cfs 0.504 af

Pond Basin 2: Basin 2 Peak Elev=88.35' Storage=0.186 af Inflow=3.63 cfs 0.523 af
Discarded=0.53 cfs 0.523 af Primary=0.00 cfs 0.000 af Outflow=0.53 cfs 0.523 af

Pond Basin 3: Basin 3 Peak Elev=86.66' Storage=0.159 af Inflow=3.79 cfs 0.574 af
Discarded=0.66 cfs 0.574 af Primary=0.00 cfs 0.000 af Outflow=0.66 cfs 0.574 af

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Pond Basin 4 & 5: Basin 4 & 5

Peak Elev=89.43' Storage=0.186 af Inflow=3.47 cfs 0.528 af
Discarded=0.51 cfs 0.528 af Primary=0.00 cfs 0.000 af Outflow=0.51 cfs 0.528 af

Pond Basin 6: Basin 6

Peak Elev=92.16' Storage=0.037 af Inflow=1.26 cfs 0.201 af
Discarded=0.37 cfs 0.201 af Primary=0.00 cfs 0.000 af Outflow=0.37 cfs 0.201 af

Total Runoff Area = 17.000 ac Runoff Volume = 2.330 af Average Runoff Depth = 1.64"
70.88% Pervious = 12.050 ac 29.12% Impervious = 4.950 ac

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Summary for Subcatchment Basin 1 Imp: Basin 1 Imp

Runoff = 1.89 cfs @ 12.19 hrs, Volume= 0.247 af, Depth> 4.93"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D 10 year Rainfall=5.42"

Area (ac)	CN	Description
* 0.350	98	Pavement & Sidewalk
* 0.250	98	Driveways
0.600	98	Weighted Average
0.600		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.27	0.05	7.60	0.77	0.57	0.08
5.05	0.46	0.28	0.06	7.65	0.77	0.57	0.08
5.10	0.46	0.28	0.06	7.70	0.78	0.58	0.08
5.15	0.47	0.29	0.06	7.75	0.79	0.59	0.08
5.20	0.47	0.29	0.06	7.80	0.80	0.59	0.08
5.25	0.48	0.30	0.06	7.85	0.80	0.60	0.09
5.30	0.48	0.30	0.06	7.90	0.81	0.61	0.09
5.35	0.49	0.31	0.06	7.95	0.82	0.62	0.09
5.40	0.49	0.31	0.06	8.00	0.83	0.62	0.09
5.45	0.50	0.32	0.06	8.05	0.83	0.63	0.09
5.50	0.50	0.32	0.06	8.10	0.84	0.64	0.09
5.55	0.51	0.33	0.06	8.15	0.85	0.65	0.09
5.60	0.51	0.33	0.06	8.20	0.86	0.65	0.09
5.65	0.52	0.34	0.06	8.25	0.87	0.66	0.09
5.70	0.53	0.34	0.06	8.30	0.87	0.67	0.09
5.75	0.53	0.35	0.06	8.35	0.88	0.68	0.09
5.80	0.54	0.35	0.06	8.40	0.89	0.69	0.09
5.85	0.54	0.36	0.06	8.45	0.90	0.69	0.09
5.90	0.55	0.36	0.06	8.50	0.91	0.70	0.09
5.95	0.55	0.37	0.06	8.55	0.92	0.71	0.10
6.00	0.56	0.37	0.06	8.60	0.92	0.72	0.10
6.05	0.56	0.38	0.06	8.65	0.93	0.73	0.10
6.10	0.57	0.38	0.06	8.70	0.94	0.73	0.10
6.15	0.58	0.39	0.06	8.75	0.95	0.74	0.10
6.20	0.58	0.39	0.06	8.80	0.96	0.75	0.10
6.25	0.59	0.40	0.06	8.85	0.97	0.76	0.10
6.30	0.59	0.40	0.06	8.90	0.98	0.77	0.10
6.35	0.60	0.41	0.06	8.95	0.99	0.78	0.10
6.40	0.60	0.41	0.06	9.00	0.99	0.79	0.10
6.45	0.61	0.42	0.06	9.05	1.00	0.79	0.10
6.50	0.62	0.43	0.07	9.10	1.01	0.80	0.10
6.55	0.62	0.43	0.07	9.15	1.02	0.81	0.11
6.60	0.63	0.44	0.07	9.20	1.03	0.82	0.11
6.65	0.64	0.44	0.07	9.25	1.04	0.83	0.11
6.70	0.64	0.45	0.07	9.30	1.05	0.84	0.11
6.75	0.65	0.45	0.07	9.35	1.06	0.85	0.11
6.80	0.65	0.46	0.07	9.40	1.07	0.86	0.11
6.85	0.66	0.47	0.07	9.45	1.08	0.87	0.12
6.90	0.67	0.47	0.07	9.50	1.10	0.88	0.12
6.95	0.67	0.48	0.07	9.55	1.11	0.89	0.12
7.00	0.68	0.49	0.07	9.60	1.12	0.91	0.12
7.05	0.69	0.49	0.07	9.65	1.13	0.92	0.13
7.10	0.69	0.50	0.07	9.70	1.14	0.93	0.13
7.15	0.70	0.50	0.07	9.75	1.15	0.94	0.13
7.20	0.71	0.51	0.08	9.80	1.17	0.95	0.13
7.25	0.72	0.52	0.08	9.85	1.18	0.96	0.13
7.30	0.72	0.52	0.08	9.90	1.19	0.98	0.14
7.35	0.73	0.53	0.08	9.95	1.20	0.99	0.14
7.40	0.74	0.54	0.08	10.00	1.22	1.00	0.14
7.45	0.74	0.54	0.08	10.05	1.23	1.01	0.14
7.50	0.75	0.55	0.08	10.10	1.24	1.03	0.15
7.55	0.76	0.56	0.08	10.15	1.26	1.04	0.15

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	1.05	0.15	12.80	3.78	3.55	0.48
10.25	1.28	1.07	0.15	12.85	3.81	3.57	0.44
10.30	1.30	1.08	0.15	12.90	3.83	3.60	0.41
10.35	1.31	1.09	0.16	12.95	3.86	3.62	0.38
10.40	1.32	1.11	0.16	13.00	3.88	3.65	0.36
10.45	1.34	1.12	0.16	13.05	3.90	3.67	0.34
10.50	1.35	1.14	0.16	13.10	3.92	3.69	0.32
10.55	1.37	1.15	0.17	13.15	3.94	3.71	0.30
10.60	1.39	1.17	0.17	13.20	3.96	3.73	0.29
10.65	1.40	1.18	0.17	13.25	3.98	3.75	0.28
10.70	1.42	1.20	0.18	13.30	4.00	3.76	0.27
10.75	1.44	1.22	0.19	13.35	4.02	3.78	0.25
10.80	1.46	1.24	0.19	13.40	4.03	3.80	0.25
10.85	1.48	1.26	0.20	13.45	4.05	3.82	0.24
10.90	1.50	1.28	0.21	13.50	4.07	3.83	0.23
10.95	1.52	1.30	0.21	13.55	4.08	3.85	0.22
11.00	1.54	1.32	0.22	13.60	4.10	3.86	0.21
11.05	1.56	1.34	0.23	13.65	4.11	3.87	0.20
11.10	1.59	1.37	0.24	13.70	4.12	3.89	0.20
11.15	1.61	1.39	0.25	13.75	4.14	3.90	0.19
11.20	1.64	1.42	0.26	13.80	4.15	3.92	0.18
11.25	1.66	1.44	0.27	13.85	4.16	3.93	0.18
11.30	1.69	1.47	0.28	13.90	4.18	3.94	0.18
11.35	1.72	1.50	0.29	13.95	4.19	3.96	0.17
11.40	1.75	1.53	0.30	14.00	4.20	3.97	0.17
11.45	1.78	1.56	0.32	14.05	4.22	3.98	0.17
11.50	1.82	1.59	0.33	14.10	4.23	3.99	0.16
11.55	1.86	1.63	0.34	14.15	4.24	4.01	0.16
11.60	1.90	1.67	0.37	14.20	4.25	4.02	0.16
11.65	1.94	1.72	0.40	14.25	4.27	4.03	0.16
11.70	1.99	1.76	0.42	14.30	4.28	4.04	0.15
11.75	2.05	1.82	0.45	14.35	4.29	4.05	0.15
11.80	2.11	1.88	0.50	14.40	4.30	4.07	0.15
11.85	2.20	1.97	0.55	14.45	4.31	4.08	0.15
11.90	2.28	2.06	0.64	14.50	4.32	4.09	0.14
11.95	2.44	2.21	0.75	14.55	4.34	4.10	0.14
12.00	2.60	2.37	0.92	14.60	4.35	4.11	0.14
12.05	2.87	2.63	1.16	14.65	4.36	4.12	0.14
12.10	3.14	2.90	1.49	14.70	4.37	4.13	0.14
12.15	3.22	2.99	1.83	14.75	4.38	4.14	0.13
12.20	3.31	3.08	1.89	14.80	4.39	4.15	0.13
12.25	3.37	3.14	1.73	14.85	4.40	4.16	0.13
12.30	3.43	3.20	1.54	14.90	4.41	4.17	0.13
12.35	3.48	3.24	1.36	14.95	4.42	4.18	0.12
12.40	3.52	3.29	1.20	15.00	4.43	4.19	0.12
12.45	3.56	3.33	1.05	15.05	4.43	4.20	0.12
12.50	3.60	3.37	0.93	15.10	4.44	4.21	0.12
12.55	3.64	3.40	0.83	15.15	4.45	4.22	0.12
12.60	3.67	3.43	0.74	15.20	4.46	4.22	0.11
12.65	3.70	3.46	0.66	15.25	4.47	4.23	0.11
12.70	3.73	3.49	0.59	15.30	4.48	4.24	0.11
12.75	3.76	3.52	0.53	15.35	4.49	4.25	0.11

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	4.26	0.11	18.00	4.86	4.63	0.07
15.45	4.50	4.27	0.11	18.05	4.87	4.63	0.07
15.50	4.51	4.28	0.11	18.10	4.87	4.64	0.07
15.55	4.52	4.28	0.11	18.15	4.88	4.64	0.07
15.60	4.53	4.29	0.10	18.20	4.88	4.65	0.07
15.65	4.54	4.30	0.10	18.25	4.89	4.65	0.07
15.70	4.55	4.31	0.10	18.30	4.89	4.66	0.07
15.75	4.55	4.32	0.10	18.35	4.90	4.66	0.07
15.80	4.56	4.33	0.10	18.40	4.91	4.67	0.07
15.85	4.57	4.33	0.10	18.45	4.91	4.67	0.07
15.90	4.58	4.34	0.10	18.50	4.92	4.68	0.07
15.95	4.59	4.35	0.10	18.55	4.92	4.68	0.07
16.00	4.59	4.36	0.10	18.60	4.93	4.69	0.07
16.05	4.60	4.37	0.10	18.65	4.93	4.70	0.07
16.10	4.61	4.37	0.10	18.70	4.94	4.70	0.07
16.15	4.62	4.38	0.10	18.75	4.94	4.71	0.06
16.20	4.62	4.39	0.10	18.80	4.95	4.71	0.06
16.25	4.63	4.40	0.09	18.85	4.95	4.72	0.06
16.30	4.64	4.40	0.09	18.90	4.96	4.72	0.06
16.35	4.65	4.41	0.09	18.95	4.96	4.73	0.06
16.40	4.65	4.42	0.09	19.00	4.97	4.73	0.06
16.45	4.66	4.43	0.09	19.05	4.97	4.74	0.06
16.50	4.67	4.43	0.09	19.10	4.98	4.74	0.06
16.55	4.68	4.44	0.09	19.15	4.98	4.75	0.06
16.60	4.68	4.45	0.09	19.20	4.99	4.75	0.06
16.65	4.69	4.45	0.09	19.25	5.00	4.76	0.06
16.70	4.70	4.46	0.09	19.30	5.00	4.76	0.06
16.75	4.70	4.47	0.09	19.35	5.01	4.77	0.06
16.80	4.71	4.48	0.09	19.40	5.01	4.77	0.06
16.85	4.72	4.48	0.09	19.45	5.02	4.78	0.06
16.90	4.73	4.49	0.09	19.50	5.02	4.78	0.06
16.95	4.73	4.50	0.09	19.55	5.03	4.79	0.06
17.00	4.74	4.50	0.08	19.60	5.03	4.79	0.06
17.05	4.75	4.51	0.08	19.65	5.04	4.80	0.06
17.10	4.75	4.52	0.08	19.70	5.04	4.80	0.06
17.15	4.76	4.52	0.08	19.75	5.05	4.81	0.06
17.20	4.77	4.53	0.08	19.80	5.05	4.81	0.06
17.25	4.77	4.54	0.08	19.85	5.06	4.82	0.06
17.30	4.78	4.54	0.08	19.90	5.06	4.82	0.06
17.35	4.78	4.55	0.08	19.95	5.07	4.83	0.06
17.40	4.79	4.55	0.08	20.00	5.07	4.83	0.06
17.45	4.80	4.56	0.08	20.05	5.08	4.84	0.06
17.50	4.80	4.57	0.08	20.10	5.08	4.84	0.06
17.55	4.81	4.57	0.08	20.15	5.09	4.85	0.06
17.60	4.82	4.58	0.08	20.20	5.09	4.85	0.06
17.65	4.82	4.58	0.08	20.25	5.10	4.86	0.06
17.70	4.83	4.59	0.07	20.30	5.10	4.86	0.06
17.75	4.83	4.60	0.07	20.35	5.10	4.87	0.06
17.80	4.84	4.60	0.07	20.40	5.11	4.87	0.06
17.85	4.84	4.61	0.07	20.45	5.11	4.88	0.06
17.90	4.85	4.61	0.07	20.50	5.12	4.88	0.06
17.95	4.86	4.62	0.07	20.55	5.12	4.89	0.06

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	4.89	0.06	23.20	5.36	5.12	0.05
20.65	5.13	4.90	0.06	23.25	5.36	5.12	0.05
20.70	5.14	4.90	0.06	23.30	5.37	5.13	0.05
20.75	5.14	4.91	0.06	23.35	5.37	5.13	0.05
20.80	5.15	4.91	0.06	23.40	5.37	5.14	0.05
20.85	5.15	4.92	0.06	23.45	5.38	5.14	0.05
20.90	5.16	4.92	0.06	23.50	5.38	5.14	0.05
20.95	5.16	4.92	0.06	23.55	5.39	5.15	0.05
21.00	5.17	4.93	0.06	23.60	5.39	5.15	0.05
21.05	5.17	4.93	0.06	23.65	5.39	5.16	0.05
21.10	5.18	4.94	0.06	23.70	5.40	5.16	0.05
21.15	5.18	4.94	0.06	23.75	5.40	5.16	0.05
21.20	5.19	4.95	0.06	23.80	5.40	5.17	0.05
21.25	5.19	4.95	0.06	23.85	5.41	5.17	0.05
21.30	5.19	4.96	0.06	23.90	5.41	5.17	0.05
21.35	5.20	4.96	0.06	23.95	5.42	5.18	0.05
21.40	5.20	4.97	0.06	24.00	5.42	5.18	0.05
21.45	5.21	4.97	0.06	24.05	5.42	5.18	0.05
21.50	5.21	4.98	0.06	24.10	5.42	5.18	0.04
21.55	5.22	4.98	0.06	24.15	5.42	5.18	0.03
21.60	5.22	4.98	0.06	24.20	5.42	5.18	0.02
21.65	5.23	4.99	0.05	24.25	5.42	5.18	0.02
21.70	5.23	4.99	0.05	24.30	5.42	5.18	0.01
21.75	5.23	5.00	0.05	24.35	5.42	5.18	0.01
21.80	5.24	5.00	0.05	24.40	5.42	5.18	0.01
21.85	5.24	5.01	0.05	24.45	5.42	5.18	0.01
21.90	5.25	5.01	0.05	24.50	5.42	5.18	0.00
21.95	5.25	5.02	0.05	24.55	5.42	5.18	0.00
22.00	5.26	5.02	0.05	24.60	5.42	5.18	0.00
22.05	5.26	5.02	0.05	24.65	5.42	5.18	0.00
22.10	5.27	5.03	0.05	24.70	5.42	5.18	0.00
22.15	5.27	5.03	0.05	24.75	5.42	5.18	0.00
22.20	5.27	5.04	0.05	24.80	5.42	5.18	0.00
22.25	5.28	5.04	0.05	24.85	5.42	5.18	0.00
22.30	5.28	5.05	0.05	24.90	5.42	5.18	0.00
22.35	5.29	5.05	0.05	24.95	5.42	5.18	0.00
22.40	5.29	5.05	0.05	25.00	5.42	5.18	0.00
22.45	5.30	5.06	0.05	25.05	5.42	5.18	0.00
22.50	5.30	5.06	0.05	25.10	5.42	5.18	0.00
22.55	5.30	5.07	0.05	25.15	5.42	5.18	0.00
22.60	5.31	5.07	0.05	25.20	5.42	5.18	0.00
22.65	5.31	5.07	0.05	25.25	5.42	5.18	0.00
22.70	5.32	5.08	0.05	25.30	5.42	5.18	0.00
22.75	5.32	5.08	0.05	25.35	5.42	5.18	0.00
22.80	5.32	5.09	0.05	25.40	5.42	5.18	0.00
22.85	5.33	5.09	0.05	25.45	5.42	5.18	0.00
22.90	5.33	5.10	0.05	25.50	5.42	5.18	0.00
22.95	5.34	5.10	0.05	25.55	5.42	5.18	0.00
23.00	5.34	5.10	0.05	25.60	5.42	5.18	0.00
23.05	5.35	5.11	0.05	25.65	5.42	5.18	0.00
23.10	5.35	5.11	0.05	25.70	5.42	5.18	0.00
23.15	5.35	5.12	0.05	25.75	5.42	5.18	0.00

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	5.18	0.00	28.40	5.42	5.18	0.00
25.85	5.42	5.18	0.00	28.45	5.42	5.18	0.00
25.90	5.42	5.18	0.00	28.50	5.42	5.18	0.00
25.95	5.42	5.18	0.00	28.55	5.42	5.18	0.00
26.00	5.42	5.18	0.00	28.60	5.42	5.18	0.00
26.05	5.42	5.18	0.00	28.65	5.42	5.18	0.00
26.10	5.42	5.18	0.00	28.70	5.42	5.18	0.00
26.15	5.42	5.18	0.00	28.75	5.42	5.18	0.00
26.20	5.42	5.18	0.00	28.80	5.42	5.18	0.00
26.25	5.42	5.18	0.00	28.85	5.42	5.18	0.00
26.30	5.42	5.18	0.00	28.90	5.42	5.18	0.00
26.35	5.42	5.18	0.00	28.95	5.42	5.18	0.00
26.40	5.42	5.18	0.00	29.00	5.42	5.18	0.00
26.45	5.42	5.18	0.00	29.05	5.42	5.18	0.00
26.50	5.42	5.18	0.00	29.10	5.42	5.18	0.00
26.55	5.42	5.18	0.00	29.15	5.42	5.18	0.00
26.60	5.42	5.18	0.00	29.20	5.42	5.18	0.00
26.65	5.42	5.18	0.00	29.25	5.42	5.18	0.00
26.70	5.42	5.18	0.00	29.30	5.42	5.18	0.00
26.75	5.42	5.18	0.00	29.35	5.42	5.18	0.00
26.80	5.42	5.18	0.00	29.40	5.42	5.18	0.00
26.85	5.42	5.18	0.00	29.45	5.42	5.18	0.00
26.90	5.42	5.18	0.00	29.50	5.42	5.18	0.00
26.95	5.42	5.18	0.00	29.55	5.42	5.18	0.00
27.00	5.42	5.18	0.00	29.60	5.42	5.18	0.00
27.05	5.42	5.18	0.00	29.65	5.42	5.18	0.00
27.10	5.42	5.18	0.00	29.70	5.42	5.18	0.00
27.15	5.42	5.18	0.00	29.75	5.42	5.18	0.00
27.20	5.42	5.18	0.00	29.80	5.42	5.18	0.00
27.25	5.42	5.18	0.00	29.85	5.42	5.18	0.00
27.30	5.42	5.18	0.00	29.90	5.42	5.18	0.00
27.35	5.42	5.18	0.00	29.95	5.42	5.18	0.00
27.40	5.42	5.18	0.00	30.00	5.42	5.18	0.00
27.45	5.42	5.18	0.00				
27.50	5.42	5.18	0.00				
27.55	5.42	5.18	0.00				
27.60	5.42	5.18	0.00				
27.65	5.42	5.18	0.00				
27.70	5.42	5.18	0.00				
27.75	5.42	5.18	0.00				
27.80	5.42	5.18	0.00				
27.85	5.42	5.18	0.00				
27.90	5.42	5.18	0.00				
27.95	5.42	5.18	0.00				
28.00	5.42	5.18	0.00				
28.05	5.42	5.18	0.00				
28.10	5.42	5.18	0.00				
28.15	5.42	5.18	0.00				
28.20	5.42	5.18	0.00				
28.25	5.42	5.18	0.00				
28.30	5.42	5.18	0.00				
28.35	5.42	5.18	0.00				

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Summary for Subcatchment Basin 1 Pervious: Basin 1 - Pervious

Runoff = 0.08 cfs @ 13.62 hrs, Volume= 0.051 af, Depth= 0.29"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D 10 year Rainfall=5.42"

Area (ac)	CN	Description
* 2.100	39	lawn, A soils
2.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.00	0.00	7.60	0.77	0.00	0.00
5.05	0.46	0.00	0.00	7.65	0.77	0.00	0.00
5.10	0.46	0.00	0.00	7.70	0.78	0.00	0.00
5.15	0.47	0.00	0.00	7.75	0.79	0.00	0.00
5.20	0.47	0.00	0.00	7.80	0.80	0.00	0.00
5.25	0.48	0.00	0.00	7.85	0.80	0.00	0.00
5.30	0.48	0.00	0.00	7.90	0.81	0.00	0.00
5.35	0.49	0.00	0.00	7.95	0.82	0.00	0.00
5.40	0.49	0.00	0.00	8.00	0.83	0.00	0.00
5.45	0.50	0.00	0.00	8.05	0.83	0.00	0.00
5.50	0.50	0.00	0.00	8.10	0.84	0.00	0.00
5.55	0.51	0.00	0.00	8.15	0.85	0.00	0.00
5.60	0.51	0.00	0.00	8.20	0.86	0.00	0.00
5.65	0.52	0.00	0.00	8.25	0.87	0.00	0.00
5.70	0.53	0.00	0.00	8.30	0.87	0.00	0.00
5.75	0.53	0.00	0.00	8.35	0.88	0.00	0.00
5.80	0.54	0.00	0.00	8.40	0.89	0.00	0.00
5.85	0.54	0.00	0.00	8.45	0.90	0.00	0.00
5.90	0.55	0.00	0.00	8.50	0.91	0.00	0.00
5.95	0.55	0.00	0.00	8.55	0.92	0.00	0.00
6.00	0.56	0.00	0.00	8.60	0.92	0.00	0.00
6.05	0.56	0.00	0.00	8.65	0.93	0.00	0.00
6.10	0.57	0.00	0.00	8.70	0.94	0.00	0.00
6.15	0.58	0.00	0.00	8.75	0.95	0.00	0.00
6.20	0.58	0.00	0.00	8.80	0.96	0.00	0.00
6.25	0.59	0.00	0.00	8.85	0.97	0.00	0.00
6.30	0.59	0.00	0.00	8.90	0.98	0.00	0.00
6.35	0.60	0.00	0.00	8.95	0.99	0.00	0.00
6.40	0.60	0.00	0.00	9.00	0.99	0.00	0.00
6.45	0.61	0.00	0.00	9.05	1.00	0.00	0.00
6.50	0.62	0.00	0.00	9.10	1.01	0.00	0.00
6.55	0.62	0.00	0.00	9.15	1.02	0.00	0.00
6.60	0.63	0.00	0.00	9.20	1.03	0.00	0.00
6.65	0.64	0.00	0.00	9.25	1.04	0.00	0.00
6.70	0.64	0.00	0.00	9.30	1.05	0.00	0.00
6.75	0.65	0.00	0.00	9.35	1.06	0.00	0.00
6.80	0.65	0.00	0.00	9.40	1.07	0.00	0.00
6.85	0.66	0.00	0.00	9.45	1.08	0.00	0.00
6.90	0.67	0.00	0.00	9.50	1.10	0.00	0.00
6.95	0.67	0.00	0.00	9.55	1.11	0.00	0.00
7.00	0.68	0.00	0.00	9.60	1.12	0.00	0.00
7.05	0.69	0.00	0.00	9.65	1.13	0.00	0.00
7.10	0.69	0.00	0.00	9.70	1.14	0.00	0.00
7.15	0.70	0.00	0.00	9.75	1.15	0.00	0.00
7.20	0.71	0.00	0.00	9.80	1.17	0.00	0.00
7.25	0.72	0.00	0.00	9.85	1.18	0.00	0.00
7.30	0.72	0.00	0.00	9.90	1.19	0.00	0.00
7.35	0.73	0.00	0.00	9.95	1.20	0.00	0.00
7.40	0.74	0.00	0.00	10.00	1.22	0.00	0.00
7.45	0.74	0.00	0.00	10.05	1.23	0.00	0.00
7.50	0.75	0.00	0.00	10.10	1.24	0.00	0.00
7.55	0.76	0.00	0.00	10.15	1.26	0.00	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	0.00	0.00	12.80	3.78	0.03	0.05
10.25	1.28	0.00	0.00	12.85	3.81	0.03	0.05
10.30	1.30	0.00	0.00	12.90	3.83	0.03	0.06
10.35	1.31	0.00	0.00	12.95	3.86	0.03	0.06
10.40	1.32	0.00	0.00	13.00	3.88	0.03	0.06
10.45	1.34	0.00	0.00	13.05	3.90	0.04	0.06
10.50	1.35	0.00	0.00	13.10	3.92	0.04	0.07
10.55	1.37	0.00	0.00	13.15	3.94	0.04	0.07
10.60	1.39	0.00	0.00	13.20	3.96	0.04	0.07
10.65	1.40	0.00	0.00	13.25	3.98	0.04	0.07
10.70	1.42	0.00	0.00	13.30	4.00	0.05	0.07
10.75	1.44	0.00	0.00	13.35	4.02	0.05	0.07
10.80	1.46	0.00	0.00	13.40	4.03	0.05	0.07
10.85	1.48	0.00	0.00	13.45	4.05	0.05	0.07
10.90	1.50	0.00	0.00	13.50	4.07	0.05	0.07
10.95	1.52	0.00	0.00	13.55	4.08	0.05	0.08
11.00	1.54	0.00	0.00	13.60	4.10	0.06	0.08
11.05	1.56	0.00	0.00	13.65	4.11	0.06	0.08
11.10	1.59	0.00	0.00	13.70	4.12	0.06	0.08
11.15	1.61	0.00	0.00	13.75	4.14	0.06	0.07
11.20	1.64	0.00	0.00	13.80	4.15	0.06	0.07
11.25	1.66	0.00	0.00	13.85	4.16	0.06	0.07
11.30	1.69	0.00	0.00	13.90	4.18	0.07	0.07
11.35	1.72	0.00	0.00	13.95	4.19	0.07	0.07
11.40	1.75	0.00	0.00	14.00	4.20	0.07	0.07
11.45	1.78	0.00	0.00	14.05	4.22	0.07	0.07
11.50	1.82	0.00	0.00	14.10	4.23	0.07	0.07
11.55	1.86	0.00	0.00	14.15	4.24	0.07	0.07
11.60	1.90	0.00	0.00	14.20	4.25	0.08	0.07
11.65	1.94	0.00	0.00	14.25	4.27	0.08	0.07
11.70	1.99	0.00	0.00	14.30	4.28	0.08	0.07
11.75	2.05	0.00	0.00	14.35	4.29	0.08	0.07
11.80	2.11	0.00	0.00	14.40	4.30	0.08	0.07
11.85	2.20	0.00	0.00	14.45	4.31	0.08	0.07
11.90	2.28	0.00	0.00	14.50	4.32	0.08	0.07
11.95	2.44	0.00	0.00	14.55	4.34	0.09	0.07
12.00	2.60	0.00	0.00	14.60	4.35	0.09	0.07
12.05	2.87	0.00	0.00	14.65	4.36	0.09	0.07
12.10	3.14	0.00	0.00	14.70	4.37	0.09	0.07
12.15	3.22	0.00	0.00	14.75	4.38	0.09	0.07
12.20	3.31	0.00	0.00	14.80	4.39	0.09	0.07
12.25	3.37	0.00	0.00	14.85	4.40	0.10	0.07
12.30	3.43	0.01	0.00	14.90	4.41	0.10	0.07
12.35	3.48	0.01	0.01	14.95	4.42	0.10	0.07
12.40	3.52	0.01	0.01	15.00	4.43	0.10	0.07
12.45	3.56	0.01	0.01	15.05	4.43	0.10	0.06
12.50	3.60	0.01	0.02	15.10	4.44	0.10	0.06
12.55	3.64	0.02	0.03	15.15	4.45	0.10	0.06
12.60	3.67	0.02	0.03	15.20	4.46	0.10	0.06
12.65	3.70	0.02	0.04	15.25	4.47	0.11	0.06
12.70	3.73	0.02	0.04	15.30	4.48	0.11	0.06
12.75	3.76	0.02	0.05	15.35	4.49	0.11	0.06

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	0.11	0.06	18.00	4.86	0.17	0.05
15.45	4.50	0.11	0.06	18.05	4.87	0.17	0.05
15.50	4.51	0.11	0.06	18.10	4.87	0.18	0.05
15.55	4.52	0.11	0.06	18.15	4.88	0.18	0.05
15.60	4.53	0.12	0.06	18.20	4.88	0.18	0.05
15.65	4.54	0.12	0.06	18.25	4.89	0.18	0.05
15.70	4.55	0.12	0.06	18.30	4.89	0.18	0.05
15.75	4.55	0.12	0.06	18.35	4.90	0.18	0.05
15.80	4.56	0.12	0.06	18.40	4.91	0.18	0.05
15.85	4.57	0.12	0.06	18.45	4.91	0.18	0.05
15.90	4.58	0.12	0.06	18.50	4.92	0.18	0.05
15.95	4.59	0.12	0.06	18.55	4.92	0.18	0.05
16.00	4.59	0.13	0.06	18.60	4.93	0.19	0.05
16.05	4.60	0.13	0.06	18.65	4.93	0.19	0.05
16.10	4.61	0.13	0.06	18.70	4.94	0.19	0.05
16.15	4.62	0.13	0.06	18.75	4.94	0.19	0.05
16.20	4.62	0.13	0.06	18.80	4.95	0.19	0.05
16.25	4.63	0.13	0.06	18.85	4.95	0.19	0.05
16.30	4.64	0.13	0.06	18.90	4.96	0.19	0.05
16.35	4.65	0.13	0.06	18.95	4.96	0.19	0.04
16.40	4.65	0.14	0.06	19.00	4.97	0.19	0.04
16.45	4.66	0.14	0.06	19.05	4.97	0.19	0.04
16.50	4.67	0.14	0.06	19.10	4.98	0.20	0.04
16.55	4.68	0.14	0.06	19.15	4.98	0.20	0.04
16.60	4.68	0.14	0.05	19.20	4.99	0.20	0.04
16.65	4.69	0.14	0.05	19.25	5.00	0.20	0.04
16.70	4.70	0.14	0.05	19.30	5.00	0.20	0.04
16.75	4.70	0.14	0.05	19.35	5.01	0.20	0.04
16.80	4.71	0.15	0.05	19.40	5.01	0.20	0.04
16.85	4.72	0.15	0.05	19.45	5.02	0.20	0.04
16.90	4.73	0.15	0.05	19.50	5.02	0.20	0.04
16.95	4.73	0.15	0.05	19.55	5.03	0.21	0.04
17.00	4.74	0.15	0.05	19.60	5.03	0.21	0.04
17.05	4.75	0.15	0.05	19.65	5.04	0.21	0.04
17.10	4.75	0.15	0.05	19.70	5.04	0.21	0.04
17.15	4.76	0.15	0.05	19.75	5.05	0.21	0.04
17.20	4.77	0.16	0.05	19.80	5.05	0.21	0.04
17.25	4.77	0.16	0.05	19.85	5.06	0.21	0.04
17.30	4.78	0.16	0.05	19.90	5.06	0.21	0.04
17.35	4.78	0.16	0.05	19.95	5.07	0.21	0.04
17.40	4.79	0.16	0.05	20.00	5.07	0.21	0.04
17.45	4.80	0.16	0.05	20.05	5.08	0.22	0.04
17.50	4.80	0.16	0.05	20.10	5.08	0.22	0.04
17.55	4.81	0.16	0.05	20.15	5.09	0.22	0.04
17.60	4.82	0.16	0.05	20.20	5.09	0.22	0.04
17.65	4.82	0.17	0.05	20.25	5.10	0.22	0.04
17.70	4.83	0.17	0.05	20.30	5.10	0.22	0.04
17.75	4.83	0.17	0.05	20.35	5.10	0.22	0.04
17.80	4.84	0.17	0.05	20.40	5.11	0.22	0.04
17.85	4.84	0.17	0.05	20.45	5.11	0.22	0.04
17.90	4.85	0.17	0.05	20.50	5.12	0.22	0.04
17.95	4.86	0.17	0.05	20.55	5.12	0.23	0.04

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	0.23	0.04	23.20	5.36	0.28	0.04
20.65	5.13	0.23	0.04	23.25	5.36	0.28	0.04
20.70	5.14	0.23	0.04	23.30	5.37	0.28	0.04
20.75	5.14	0.23	0.04	23.35	5.37	0.28	0.04
20.80	5.15	0.23	0.04	23.40	5.37	0.28	0.04
20.85	5.15	0.23	0.04	23.45	5.38	0.28	0.04
20.90	5.16	0.23	0.04	23.50	5.38	0.28	0.04
20.95	5.16	0.23	0.04	23.55	5.39	0.28	0.04
21.00	5.17	0.24	0.04	23.60	5.39	0.29	0.04
21.05	5.17	0.24	0.04	23.65	5.39	0.29	0.04
21.10	5.18	0.24	0.04	23.70	5.40	0.29	0.04
21.15	5.18	0.24	0.04	23.75	5.40	0.29	0.04
21.20	5.19	0.24	0.04	23.80	5.40	0.29	0.04
21.25	5.19	0.24	0.04	23.85	5.41	0.29	0.04
21.30	5.19	0.24	0.04	23.90	5.41	0.29	0.04
21.35	5.20	0.24	0.04	23.95	5.42	0.29	0.04
21.40	5.20	0.24	0.04	24.00	5.42	0.29	0.04
21.45	5.21	0.24	0.04	24.05	5.42	0.29	0.04
21.50	5.21	0.25	0.04	24.10	5.42	0.29	0.04
21.55	5.22	0.25	0.04	24.15	5.42	0.29	0.04
21.60	5.22	0.25	0.04	24.20	5.42	0.29	0.04
21.65	5.23	0.25	0.04	24.25	5.42	0.29	0.04
21.70	5.23	0.25	0.04	24.30	5.42	0.29	0.03
21.75	5.23	0.25	0.04	24.35	5.42	0.29	0.03
21.80	5.24	0.25	0.04	24.40	5.42	0.29	0.03
21.85	5.24	0.25	0.04	24.45	5.42	0.29	0.02
21.90	5.25	0.25	0.04	24.50	5.42	0.29	0.02
21.95	5.25	0.25	0.04	24.55	5.42	0.29	0.02
22.00	5.26	0.25	0.04	24.60	5.42	0.29	0.02
22.05	5.26	0.26	0.04	24.65	5.42	0.29	0.02
22.10	5.27	0.26	0.04	24.70	5.42	0.29	0.02
22.15	5.27	0.26	0.04	24.75	5.42	0.29	0.01
22.20	5.27	0.26	0.04	24.80	5.42	0.29	0.01
22.25	5.28	0.26	0.04	24.85	5.42	0.29	0.01
22.30	5.28	0.26	0.04	24.90	5.42	0.29	0.01
22.35	5.29	0.26	0.04	24.95	5.42	0.29	0.01
22.40	5.29	0.26	0.04	25.00	5.42	0.29	0.01
22.45	5.30	0.26	0.04	25.05	5.42	0.29	0.01
22.50	5.30	0.26	0.04	25.10	5.42	0.29	0.01
22.55	5.30	0.27	0.04	25.15	5.42	0.29	0.01
22.60	5.31	0.27	0.04	25.20	5.42	0.29	0.01
22.65	5.31	0.27	0.04	25.25	5.42	0.29	0.01
22.70	5.32	0.27	0.04	25.30	5.42	0.29	0.00
22.75	5.32	0.27	0.04	25.35	5.42	0.29	0.00
22.80	5.32	0.27	0.04	25.40	5.42	0.29	0.00
22.85	5.33	0.27	0.04	25.45	5.42	0.29	0.00
22.90	5.33	0.27	0.04	25.50	5.42	0.29	0.00
22.95	5.34	0.27	0.04	25.55	5.42	0.29	0.00
23.00	5.34	0.27	0.04	25.60	5.42	0.29	0.00
23.05	5.35	0.28	0.04	25.65	5.42	0.29	0.00
23.10	5.35	0.28	0.04	25.70	5.42	0.29	0.00
23.15	5.35	0.28	0.04	25.75	5.42	0.29	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	0.29	0.00	28.40	5.42	0.29	0.00
25.85	5.42	0.29	0.00	28.45	5.42	0.29	0.00
25.90	5.42	0.29	0.00	28.50	5.42	0.29	0.00
25.95	5.42	0.29	0.00	28.55	5.42	0.29	0.00
26.00	5.42	0.29	0.00	28.60	5.42	0.29	0.00
26.05	5.42	0.29	0.00	28.65	5.42	0.29	0.00
26.10	5.42	0.29	0.00	28.70	5.42	0.29	0.00
26.15	5.42	0.29	0.00	28.75	5.42	0.29	0.00
26.20	5.42	0.29	0.00	28.80	5.42	0.29	0.00
26.25	5.42	0.29	0.00	28.85	5.42	0.29	0.00
26.30	5.42	0.29	0.00	28.90	5.42	0.29	0.00
26.35	5.42	0.29	0.00	28.95	5.42	0.29	0.00
26.40	5.42	0.29	0.00	29.00	5.42	0.29	0.00
26.45	5.42	0.29	0.00	29.05	5.42	0.29	0.00
26.50	5.42	0.29	0.00	29.10	5.42	0.29	0.00
26.55	5.42	0.29	0.00	29.15	5.42	0.29	0.00
26.60	5.42	0.29	0.00	29.20	5.42	0.29	0.00
26.65	5.42	0.29	0.00	29.25	5.42	0.29	0.00
26.70	5.42	0.29	0.00	29.30	5.42	0.29	0.00
26.75	5.42	0.29	0.00	29.35	5.42	0.29	0.00
26.80	5.42	0.29	0.00	29.40	5.42	0.29	0.00
26.85	5.42	0.29	0.00	29.45	5.42	0.29	0.00
26.90	5.42	0.29	0.00	29.50	5.42	0.29	0.00
26.95	5.42	0.29	0.00	29.55	5.42	0.29	0.00
27.00	5.42	0.29	0.00	29.60	5.42	0.29	0.00
27.05	5.42	0.29	0.00	29.65	5.42	0.29	0.00
27.10	5.42	0.29	0.00	29.70	5.42	0.29	0.00
27.15	5.42	0.29	0.00	29.75	5.42	0.29	0.00
27.20	5.42	0.29	0.00	29.80	5.42	0.29	0.00
27.25	5.42	0.29	0.00	29.85	5.42	0.29	0.00
27.30	5.42	0.29	0.00	29.90	5.42	0.29	0.00
27.35	5.42	0.29	0.00	29.95	5.42	0.29	0.00
27.40	5.42	0.29	0.00	30.00	5.42	0.29	0.00
27.45	5.42	0.29	0.00				
27.50	5.42	0.29	0.00				
27.55	5.42	0.29	0.00				
27.60	5.42	0.29	0.00				
27.65	5.42	0.29	0.00				
27.70	5.42	0.29	0.00				
27.75	5.42	0.29	0.00				
27.80	5.42	0.29	0.00				
27.85	5.42	0.29	0.00				
27.90	5.42	0.29	0.00				
27.95	5.42	0.29	0.00				
28.00	5.42	0.29	0.00				
28.05	5.42	0.29	0.00				
28.10	5.42	0.29	0.00				
28.15	5.42	0.29	0.00				
28.20	5.42	0.29	0.00				
28.25	5.42	0.29	0.00				
28.30	5.42	0.29	0.00				
28.35	5.42	0.29	0.00				

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Summary for Subcatchment Basin 1 Roof: Basin 1 Roof

Runoff = 1.58 cfs @ 12.19 hrs, Volume= 0.206 af, Depth> 4.93"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D 10 year Rainfall=5.42"

Area (ac)	CN	Description
* 0.500	98	Roof
0.500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.27	0.05	7.60	0.77	0.57	0.07
5.05	0.46	0.28	0.05	7.65	0.77	0.57	0.07
5.10	0.46	0.28	0.05	7.70	0.78	0.58	0.07
5.15	0.47	0.29	0.05	7.75	0.79	0.59	0.07
5.20	0.47	0.29	0.05	7.80	0.80	0.59	0.07
5.25	0.48	0.30	0.05	7.85	0.80	0.60	0.07
5.30	0.48	0.30	0.05	7.90	0.81	0.61	0.07
5.35	0.49	0.31	0.05	7.95	0.82	0.62	0.07
5.40	0.49	0.31	0.05	8.00	0.83	0.62	0.07
5.45	0.50	0.32	0.05	8.05	0.83	0.63	0.07
5.50	0.50	0.32	0.05	8.10	0.84	0.64	0.07
5.55	0.51	0.33	0.05	8.15	0.85	0.65	0.07
5.60	0.51	0.33	0.05	8.20	0.86	0.65	0.08
5.65	0.52	0.34	0.05	8.25	0.87	0.66	0.08
5.70	0.53	0.34	0.05	8.30	0.87	0.67	0.08
5.75	0.53	0.35	0.05	8.35	0.88	0.68	0.08
5.80	0.54	0.35	0.05	8.40	0.89	0.69	0.08
5.85	0.54	0.36	0.05	8.45	0.90	0.69	0.08
5.90	0.55	0.36	0.05	8.50	0.91	0.70	0.08
5.95	0.55	0.37	0.05	8.55	0.92	0.71	0.08
6.00	0.56	0.37	0.05	8.60	0.92	0.72	0.08
6.05	0.56	0.38	0.05	8.65	0.93	0.73	0.08
6.10	0.57	0.38	0.05	8.70	0.94	0.73	0.08
6.15	0.58	0.39	0.05	8.75	0.95	0.74	0.08
6.20	0.58	0.39	0.05	8.80	0.96	0.75	0.08
6.25	0.59	0.40	0.05	8.85	0.97	0.76	0.08
6.30	0.59	0.40	0.05	8.90	0.98	0.77	0.08
6.35	0.60	0.41	0.05	8.95	0.99	0.78	0.08
6.40	0.60	0.41	0.05	9.00	0.99	0.79	0.08
6.45	0.61	0.42	0.05	9.05	1.00	0.79	0.09
6.50	0.62	0.43	0.05	9.10	1.01	0.80	0.09
6.55	0.62	0.43	0.06	9.15	1.02	0.81	0.09
6.60	0.63	0.44	0.06	9.20	1.03	0.82	0.09
6.65	0.64	0.44	0.06	9.25	1.04	0.83	0.09
6.70	0.64	0.45	0.06	9.30	1.05	0.84	0.09
6.75	0.65	0.45	0.06	9.35	1.06	0.85	0.09
6.80	0.65	0.46	0.06	9.40	1.07	0.86	0.10
6.85	0.66	0.47	0.06	9.45	1.08	0.87	0.10
6.90	0.67	0.47	0.06	9.50	1.10	0.88	0.10
6.95	0.67	0.48	0.06	9.55	1.11	0.89	0.10
7.00	0.68	0.49	0.06	9.60	1.12	0.91	0.10
7.05	0.69	0.49	0.06	9.65	1.13	0.92	0.10
7.10	0.69	0.50	0.06	9.70	1.14	0.93	0.11
7.15	0.70	0.50	0.06	9.75	1.15	0.94	0.11
7.20	0.71	0.51	0.06	9.80	1.17	0.95	0.11
7.25	0.72	0.52	0.06	9.85	1.18	0.96	0.11
7.30	0.72	0.52	0.06	9.90	1.19	0.98	0.11
7.35	0.73	0.53	0.06	9.95	1.20	0.99	0.12
7.40	0.74	0.54	0.07	10.00	1.22	1.00	0.12
7.45	0.74	0.54	0.07	10.05	1.23	1.01	0.12
7.50	0.75	0.55	0.07	10.10	1.24	1.03	0.12
7.55	0.76	0.56	0.07	10.15	1.26	1.04	0.12

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	1.05	0.13	12.80	3.78	3.55	0.40
10.25	1.28	1.07	0.13	12.85	3.81	3.57	0.37
10.30	1.30	1.08	0.13	12.90	3.83	3.60	0.34
10.35	1.31	1.09	0.13	12.95	3.86	3.62	0.32
10.40	1.32	1.11	0.13	13.00	3.88	3.65	0.30
10.45	1.34	1.12	0.13	13.05	3.90	3.67	0.28
10.50	1.35	1.14	0.14	13.10	3.92	3.69	0.27
10.55	1.37	1.15	0.14	13.15	3.94	3.71	0.25
10.60	1.39	1.17	0.14	13.20	3.96	3.73	0.24
10.65	1.40	1.18	0.15	13.25	3.98	3.75	0.23
10.70	1.42	1.20	0.15	13.30	4.00	3.76	0.22
10.75	1.44	1.22	0.16	13.35	4.02	3.78	0.21
10.80	1.46	1.24	0.16	13.40	4.03	3.80	0.20
10.85	1.48	1.26	0.17	13.45	4.05	3.82	0.20
10.90	1.50	1.28	0.17	13.50	4.07	3.83	0.19
10.95	1.52	1.30	0.18	13.55	4.08	3.85	0.18
11.00	1.54	1.32	0.18	13.60	4.10	3.86	0.18
11.05	1.56	1.34	0.19	13.65	4.11	3.87	0.17
11.10	1.59	1.37	0.20	13.70	4.12	3.89	0.16
11.15	1.61	1.39	0.21	13.75	4.14	3.90	0.16
11.20	1.64	1.42	0.22	13.80	4.15	3.92	0.15
11.25	1.66	1.44	0.22	13.85	4.16	3.93	0.15
11.30	1.69	1.47	0.23	13.90	4.18	3.94	0.15
11.35	1.72	1.50	0.24	13.95	4.19	3.96	0.14
11.40	1.75	1.53	0.25	14.00	4.20	3.97	0.14
11.45	1.78	1.56	0.26	14.05	4.22	3.98	0.14
11.50	1.82	1.59	0.27	14.10	4.23	3.99	0.14
11.55	1.86	1.63	0.29	14.15	4.24	4.01	0.13
11.60	1.90	1.67	0.31	14.20	4.25	4.02	0.13
11.65	1.94	1.72	0.33	14.25	4.27	4.03	0.13
11.70	1.99	1.76	0.35	14.30	4.28	4.04	0.13
11.75	2.05	1.82	0.38	14.35	4.29	4.05	0.13
11.80	2.11	1.88	0.41	14.40	4.30	4.07	0.12
11.85	2.20	1.97	0.46	14.45	4.31	4.08	0.12
11.90	2.28	2.06	0.53	14.50	4.32	4.09	0.12
11.95	2.44	2.21	0.62	14.55	4.34	4.10	0.12
12.00	2.60	2.37	0.77	14.60	4.35	4.11	0.12
12.05	2.87	2.63	0.96	14.65	4.36	4.12	0.11
12.10	3.14	2.90	1.24	14.70	4.37	4.13	0.11
12.15	3.22	2.99	1.52	14.75	4.38	4.14	0.11
12.20	3.31	3.08	1.57	14.80	4.39	4.15	0.11
12.25	3.37	3.14	1.44	14.85	4.40	4.16	0.11
12.30	3.43	3.20	1.28	14.90	4.41	4.17	0.11
12.35	3.48	3.24	1.13	14.95	4.42	4.18	0.10
12.40	3.52	3.29	1.00	15.00	4.43	4.19	0.10
12.45	3.56	3.33	0.88	15.05	4.43	4.20	0.10
12.50	3.60	3.37	0.78	15.10	4.44	4.21	0.10
12.55	3.64	3.40	0.69	15.15	4.45	4.22	0.10
12.60	3.67	3.43	0.62	15.20	4.46	4.22	0.09
12.65	3.70	3.46	0.55	15.25	4.47	4.23	0.09
12.70	3.73	3.49	0.49	15.30	4.48	4.24	0.09
12.75	3.76	3.52	0.44	15.35	4.49	4.25	0.09

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	4.26	0.09	18.00	4.86	4.63	0.06
15.45	4.50	4.27	0.09	18.05	4.87	4.63	0.06
15.50	4.51	4.28	0.09	18.10	4.87	4.64	0.06
15.55	4.52	4.28	0.09	18.15	4.88	4.64	0.06
15.60	4.53	4.29	0.09	18.20	4.88	4.65	0.06
15.65	4.54	4.30	0.09	18.25	4.89	4.65	0.06
15.70	4.55	4.31	0.09	18.30	4.89	4.66	0.06
15.75	4.55	4.32	0.08	18.35	4.90	4.66	0.06
15.80	4.56	4.33	0.08	18.40	4.91	4.67	0.06
15.85	4.57	4.33	0.08	18.45	4.91	4.67	0.06
15.90	4.58	4.34	0.08	18.50	4.92	4.68	0.05
15.95	4.59	4.35	0.08	18.55	4.92	4.68	0.05
16.00	4.59	4.36	0.08	18.60	4.93	4.69	0.05
16.05	4.60	4.37	0.08	18.65	4.93	4.70	0.05
16.10	4.61	4.37	0.08	18.70	4.94	4.70	0.05
16.15	4.62	4.38	0.08	18.75	4.94	4.71	0.05
16.20	4.62	4.39	0.08	18.80	4.95	4.71	0.05
16.25	4.63	4.40	0.08	18.85	4.95	4.72	0.05
16.30	4.64	4.40	0.08	18.90	4.96	4.72	0.05
16.35	4.65	4.41	0.08	18.95	4.96	4.73	0.05
16.40	4.65	4.42	0.08	19.00	4.97	4.73	0.05
16.45	4.66	4.43	0.08	19.05	4.97	4.74	0.05
16.50	4.67	4.43	0.08	19.10	4.98	4.74	0.05
16.55	4.68	4.44	0.08	19.15	4.98	4.75	0.05
16.60	4.68	4.45	0.08	19.20	4.99	4.75	0.05
16.65	4.69	4.45	0.07	19.25	5.00	4.76	0.05
16.70	4.70	4.46	0.07	19.30	5.00	4.76	0.05
16.75	4.70	4.47	0.07	19.35	5.01	4.77	0.05
16.80	4.71	4.48	0.07	19.40	5.01	4.77	0.05
16.85	4.72	4.48	0.07	19.45	5.02	4.78	0.05
16.90	4.73	4.49	0.07	19.50	5.02	4.78	0.05
16.95	4.73	4.50	0.07	19.55	5.03	4.79	0.05
17.00	4.74	4.50	0.07	19.60	5.03	4.79	0.05
17.05	4.75	4.51	0.07	19.65	5.04	4.80	0.05
17.10	4.75	4.52	0.07	19.70	5.04	4.80	0.05
17.15	4.76	4.52	0.07	19.75	5.05	4.81	0.05
17.20	4.77	4.53	0.07	19.80	5.05	4.81	0.05
17.25	4.77	4.54	0.07	19.85	5.06	4.82	0.05
17.30	4.78	4.54	0.07	19.90	5.06	4.82	0.05
17.35	4.78	4.55	0.07	19.95	5.07	4.83	0.05
17.40	4.79	4.55	0.07	20.00	5.07	4.83	0.05
17.45	4.80	4.56	0.07	20.05	5.08	4.84	0.05
17.50	4.80	4.57	0.06	20.10	5.08	4.84	0.05
17.55	4.81	4.57	0.06	20.15	5.09	4.85	0.05
17.60	4.82	4.58	0.06	20.20	5.09	4.85	0.05
17.65	4.82	4.58	0.06	20.25	5.10	4.86	0.05
17.70	4.83	4.59	0.06	20.30	5.10	4.86	0.05
17.75	4.83	4.60	0.06	20.35	5.10	4.87	0.05
17.80	4.84	4.60	0.06	20.40	5.11	4.87	0.05
17.85	4.84	4.61	0.06	20.45	5.11	4.88	0.05
17.90	4.85	4.61	0.06	20.50	5.12	4.88	0.05
17.95	4.86	4.62	0.06	20.55	5.12	4.89	0.05

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	4.89	0.05	23.20	5.36	5.12	0.04
20.65	5.13	4.90	0.05	23.25	5.36	5.12	0.04
20.70	5.14	4.90	0.05	23.30	5.37	5.13	0.04
20.75	5.14	4.91	0.05	23.35	5.37	5.13	0.04
20.80	5.15	4.91	0.05	23.40	5.37	5.14	0.04
20.85	5.15	4.92	0.05	23.45	5.38	5.14	0.04
20.90	5.16	4.92	0.05	23.50	5.38	5.14	0.04
20.95	5.16	4.92	0.05	23.55	5.39	5.15	0.04
21.00	5.17	4.93	0.05	23.60	5.39	5.15	0.04
21.05	5.17	4.93	0.05	23.65	5.39	5.16	0.04
21.10	5.18	4.94	0.05	23.70	5.40	5.16	0.04
21.15	5.18	4.94	0.05	23.75	5.40	5.16	0.04
21.20	5.19	4.95	0.05	23.80	5.40	5.17	0.04
21.25	5.19	4.95	0.05	23.85	5.41	5.17	0.04
21.30	5.19	4.96	0.05	23.90	5.41	5.17	0.04
21.35	5.20	4.96	0.05	23.95	5.42	5.18	0.04
21.40	5.20	4.97	0.05	24.00	5.42	5.18	0.04
21.45	5.21	4.97	0.05	24.05	5.42	5.18	0.04
21.50	5.21	4.98	0.05	24.10	5.42	5.18	0.03
21.55	5.22	4.98	0.05	24.15	5.42	5.18	0.03
21.60	5.22	4.98	0.05	24.20	5.42	5.18	0.02
21.65	5.23	4.99	0.05	24.25	5.42	5.18	0.02
21.70	5.23	4.99	0.05	24.30	5.42	5.18	0.01
21.75	5.23	5.00	0.05	24.35	5.42	5.18	0.01
21.80	5.24	5.00	0.05	24.40	5.42	5.18	0.01
21.85	5.24	5.01	0.05	24.45	5.42	5.18	0.01
21.90	5.25	5.01	0.04	24.50	5.42	5.18	0.00
21.95	5.25	5.02	0.04	24.55	5.42	5.18	0.00
22.00	5.26	5.02	0.04	24.60	5.42	5.18	0.00
22.05	5.26	5.02	0.04	24.65	5.42	5.18	0.00
22.10	5.27	5.03	0.04	24.70	5.42	5.18	0.00
22.15	5.27	5.03	0.04	24.75	5.42	5.18	0.00
22.20	5.27	5.04	0.04	24.80	5.42	5.18	0.00
22.25	5.28	5.04	0.04	24.85	5.42	5.18	0.00
22.30	5.28	5.05	0.04	24.90	5.42	5.18	0.00
22.35	5.29	5.05	0.04	24.95	5.42	5.18	0.00
22.40	5.29	5.05	0.04	25.00	5.42	5.18	0.00
22.45	5.30	5.06	0.04	25.05	5.42	5.18	0.00
22.50	5.30	5.06	0.04	25.10	5.42	5.18	0.00
22.55	5.30	5.07	0.04	25.15	5.42	5.18	0.00
22.60	5.31	5.07	0.04	25.20	5.42	5.18	0.00
22.65	5.31	5.07	0.04	25.25	5.42	5.18	0.00
22.70	5.32	5.08	0.04	25.30	5.42	5.18	0.00
22.75	5.32	5.08	0.04	25.35	5.42	5.18	0.00
22.80	5.32	5.09	0.04	25.40	5.42	5.18	0.00
22.85	5.33	5.09	0.04	25.45	5.42	5.18	0.00
22.90	5.33	5.10	0.04	25.50	5.42	5.18	0.00
22.95	5.34	5.10	0.04	25.55	5.42	5.18	0.00
23.00	5.34	5.10	0.04	25.60	5.42	5.18	0.00
23.05	5.35	5.11	0.04	25.65	5.42	5.18	0.00
23.10	5.35	5.11	0.04	25.70	5.42	5.18	0.00
23.15	5.35	5.12	0.04	25.75	5.42	5.18	0.00

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	5.18	0.00	28.40	5.42	5.18	0.00
25.85	5.42	5.18	0.00	28.45	5.42	5.18	0.00
25.90	5.42	5.18	0.00	28.50	5.42	5.18	0.00
25.95	5.42	5.18	0.00	28.55	5.42	5.18	0.00
26.00	5.42	5.18	0.00	28.60	5.42	5.18	0.00
26.05	5.42	5.18	0.00	28.65	5.42	5.18	0.00
26.10	5.42	5.18	0.00	28.70	5.42	5.18	0.00
26.15	5.42	5.18	0.00	28.75	5.42	5.18	0.00
26.20	5.42	5.18	0.00	28.80	5.42	5.18	0.00
26.25	5.42	5.18	0.00	28.85	5.42	5.18	0.00
26.30	5.42	5.18	0.00	28.90	5.42	5.18	0.00
26.35	5.42	5.18	0.00	28.95	5.42	5.18	0.00
26.40	5.42	5.18	0.00	29.00	5.42	5.18	0.00
26.45	5.42	5.18	0.00	29.05	5.42	5.18	0.00
26.50	5.42	5.18	0.00	29.10	5.42	5.18	0.00
26.55	5.42	5.18	0.00	29.15	5.42	5.18	0.00
26.60	5.42	5.18	0.00	29.20	5.42	5.18	0.00
26.65	5.42	5.18	0.00	29.25	5.42	5.18	0.00
26.70	5.42	5.18	0.00	29.30	5.42	5.18	0.00
26.75	5.42	5.18	0.00	29.35	5.42	5.18	0.00
26.80	5.42	5.18	0.00	29.40	5.42	5.18	0.00
26.85	5.42	5.18	0.00	29.45	5.42	5.18	0.00
26.90	5.42	5.18	0.00	29.50	5.42	5.18	0.00
26.95	5.42	5.18	0.00	29.55	5.42	5.18	0.00
27.00	5.42	5.18	0.00	29.60	5.42	5.18	0.00
27.05	5.42	5.18	0.00	29.65	5.42	5.18	0.00
27.10	5.42	5.18	0.00	29.70	5.42	5.18	0.00
27.15	5.42	5.18	0.00	29.75	5.42	5.18	0.00
27.20	5.42	5.18	0.00	29.80	5.42	5.18	0.00
27.25	5.42	5.18	0.00	29.85	5.42	5.18	0.00
27.30	5.42	5.18	0.00	29.90	5.42	5.18	0.00
27.35	5.42	5.18	0.00	29.95	5.42	5.18	0.00
27.40	5.42	5.18	0.00	30.00	5.42	5.18	0.00
27.45	5.42	5.18	0.00				
27.50	5.42	5.18	0.00				
27.55	5.42	5.18	0.00				
27.60	5.42	5.18	0.00				
27.65	5.42	5.18	0.00				
27.70	5.42	5.18	0.00				
27.75	5.42	5.18	0.00				
27.80	5.42	5.18	0.00				
27.85	5.42	5.18	0.00				
27.90	5.42	5.18	0.00				
27.95	5.42	5.18	0.00				
28.00	5.42	5.18	0.00				
28.05	5.42	5.18	0.00				
28.10	5.42	5.18	0.00				
28.15	5.42	5.18	0.00				
28.20	5.42	5.18	0.00				
28.25	5.42	5.18	0.00				
28.30	5.42	5.18	0.00				
28.35	5.42	5.18	0.00				

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Summary for Subcatchment Basin 2 Impervious: Basin 2 Imp

Runoff = 2.53 cfs @ 12.19 hrs, Volume= 0.329 af, Depth> 4.93"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.500	98	Pavement & Sidewalk
* 0.300	98	Driveways
0.800	98	Weighted Average
0.800		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.27	0.07	7.60	0.77	0.57	0.11
5.05	0.46	0.28	0.07	7.65	0.77	0.57	0.11
5.10	0.46	0.28	0.07	7.70	0.78	0.58	0.11
5.15	0.47	0.29	0.07	7.75	0.79	0.59	0.11
5.20	0.47	0.29	0.07	7.80	0.80	0.59	0.11
5.25	0.48	0.30	0.07	7.85	0.80	0.60	0.11
5.30	0.48	0.30	0.08	7.90	0.81	0.61	0.11
5.35	0.49	0.31	0.08	7.95	0.82	0.62	0.12
5.40	0.49	0.31	0.08	8.00	0.83	0.62	0.12
5.45	0.50	0.32	0.08	8.05	0.83	0.63	0.12
5.50	0.50	0.32	0.08	8.10	0.84	0.64	0.12
5.55	0.51	0.33	0.08	8.15	0.85	0.65	0.12
5.60	0.51	0.33	0.08	8.20	0.86	0.65	0.12
5.65	0.52	0.34	0.08	8.25	0.87	0.66	0.12
5.70	0.53	0.34	0.08	8.30	0.87	0.67	0.12
5.75	0.53	0.35	0.08	8.35	0.88	0.68	0.12
5.80	0.54	0.35	0.08	8.40	0.89	0.69	0.12
5.85	0.54	0.36	0.08	8.45	0.90	0.69	0.13
5.90	0.55	0.36	0.08	8.50	0.91	0.70	0.13
5.95	0.55	0.37	0.08	8.55	0.92	0.71	0.13
6.00	0.56	0.37	0.08	8.60	0.92	0.72	0.13
6.05	0.56	0.38	0.08	8.65	0.93	0.73	0.13
6.10	0.57	0.38	0.08	8.70	0.94	0.73	0.13
6.15	0.58	0.39	0.08	8.75	0.95	0.74	0.13
6.20	0.58	0.39	0.08	8.80	0.96	0.75	0.13
6.25	0.59	0.40	0.08	8.85	0.97	0.76	0.13
6.30	0.59	0.40	0.08	8.90	0.98	0.77	0.13
6.35	0.60	0.41	0.08	8.95	0.99	0.78	0.13
6.40	0.60	0.41	0.09	9.00	0.99	0.79	0.14
6.45	0.61	0.42	0.09	9.05	1.00	0.79	0.14
6.50	0.62	0.43	0.09	9.10	1.01	0.80	0.14
6.55	0.62	0.43	0.09	9.15	1.02	0.81	0.14
6.60	0.63	0.44	0.09	9.20	1.03	0.82	0.14
6.65	0.64	0.44	0.09	9.25	1.04	0.83	0.14
6.70	0.64	0.45	0.09	9.30	1.05	0.84	0.15
6.75	0.65	0.45	0.09	9.35	1.06	0.85	0.15
6.80	0.65	0.46	0.09	9.40	1.07	0.86	0.15
6.85	0.66	0.47	0.09	9.45	1.08	0.87	0.16
6.90	0.67	0.47	0.09	9.50	1.10	0.88	0.16
6.95	0.67	0.48	0.10	9.55	1.11	0.89	0.16
7.00	0.68	0.49	0.10	9.60	1.12	0.91	0.16
7.05	0.69	0.49	0.10	9.65	1.13	0.92	0.17
7.10	0.69	0.50	0.10	9.70	1.14	0.93	0.17
7.15	0.70	0.50	0.10	9.75	1.15	0.94	0.17
7.20	0.71	0.51	0.10	9.80	1.17	0.95	0.18
7.25	0.72	0.52	0.10	9.85	1.18	0.96	0.18
7.30	0.72	0.52	0.10	9.90	1.19	0.98	0.18
7.35	0.73	0.53	0.10	9.95	1.20	0.99	0.19
7.40	0.74	0.54	0.10	10.00	1.22	1.00	0.19
7.45	0.74	0.54	0.11	10.05	1.23	1.01	0.19
7.50	0.75	0.55	0.11	10.10	1.24	1.03	0.19
7.55	0.76	0.56	0.11	10.15	1.26	1.04	0.20

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	1.05	0.20	12.80	3.78	3.55	0.64
10.25	1.28	1.07	0.20	12.85	3.81	3.57	0.59
10.30	1.30	1.08	0.21	12.90	3.83	3.60	0.55
10.35	1.31	1.09	0.21	12.95	3.86	3.62	0.51
10.40	1.32	1.11	0.21	13.00	3.88	3.65	0.48
10.45	1.34	1.12	0.22	13.05	3.90	3.67	0.45
10.50	1.35	1.14	0.22	13.10	3.92	3.69	0.43
10.55	1.37	1.15	0.22	13.15	3.94	3.71	0.41
10.60	1.39	1.17	0.23	13.20	3.96	3.73	0.38
10.65	1.40	1.18	0.23	13.25	3.98	3.75	0.37
10.70	1.42	1.20	0.24	13.30	4.00	3.76	0.35
10.75	1.44	1.22	0.25	13.35	4.02	3.78	0.34
10.80	1.46	1.24	0.26	13.40	4.03	3.80	0.33
10.85	1.48	1.26	0.27	13.45	4.05	3.82	0.31
10.90	1.50	1.28	0.28	13.50	4.07	3.83	0.30
10.95	1.52	1.30	0.29	13.55	4.08	3.85	0.29
11.00	1.54	1.32	0.29	13.60	4.10	3.86	0.28
11.05	1.56	1.34	0.31	13.65	4.11	3.87	0.27
11.10	1.59	1.37	0.32	13.70	4.12	3.89	0.26
11.15	1.61	1.39	0.33	13.75	4.14	3.90	0.25
11.20	1.64	1.42	0.34	13.80	4.15	3.92	0.25
11.25	1.66	1.44	0.36	13.85	4.16	3.93	0.24
11.30	1.69	1.47	0.37	13.90	4.18	3.94	0.24
11.35	1.72	1.50	0.39	13.95	4.19	3.96	0.23
11.40	1.75	1.53	0.41	14.00	4.20	3.97	0.23
11.45	1.78	1.56	0.42	14.05	4.22	3.98	0.22
11.50	1.82	1.59	0.44	14.10	4.23	3.99	0.22
11.55	1.86	1.63	0.46	14.15	4.24	4.01	0.22
11.60	1.90	1.67	0.49	14.20	4.25	4.02	0.21
11.65	1.94	1.72	0.53	14.25	4.27	4.03	0.21
11.70	1.99	1.76	0.57	14.30	4.28	4.04	0.21
11.75	2.05	1.82	0.60	14.35	4.29	4.05	0.20
11.80	2.11	1.88	0.66	14.40	4.30	4.07	0.20
11.85	2.20	1.97	0.74	14.45	4.31	4.08	0.20
11.90	2.28	2.06	0.85	14.50	4.32	4.09	0.19
11.95	2.44	2.21	1.00	14.55	4.34	4.10	0.19
12.00	2.60	2.37	1.23	14.60	4.35	4.11	0.19
12.05	2.87	2.63	1.54	14.65	4.36	4.12	0.18
12.10	3.14	2.90	1.99	14.70	4.37	4.13	0.18
12.15	3.22	2.99	2.43	14.75	4.38	4.14	0.18
12.20	3.31	3.08	2.52	14.80	4.39	4.15	0.17
12.25	3.37	3.14	2.31	14.85	4.40	4.16	0.17
12.30	3.43	3.20	2.06	14.90	4.41	4.17	0.17
12.35	3.48	3.24	1.82	14.95	4.42	4.18	0.17
12.40	3.52	3.29	1.60	15.00	4.43	4.19	0.16
12.45	3.56	3.33	1.40	15.05	4.43	4.20	0.16
12.50	3.60	3.37	1.24	15.10	4.44	4.21	0.16
12.55	3.64	3.40	1.11	15.15	4.45	4.22	0.15
12.60	3.67	3.43	0.99	15.20	4.46	4.22	0.15
12.65	3.70	3.46	0.88	15.25	4.47	4.23	0.15
12.70	3.73	3.49	0.78	15.30	4.48	4.24	0.15
12.75	3.76	3.52	0.71	15.35	4.49	4.25	0.15

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	4.26	0.14	18.00	4.86	4.63	0.09
15.45	4.50	4.27	0.14	18.05	4.87	4.63	0.09
15.50	4.51	4.28	0.14	18.10	4.87	4.64	0.09
15.55	4.52	4.28	0.14	18.15	4.88	4.64	0.09
15.60	4.53	4.29	0.14	18.20	4.88	4.65	0.09
15.65	4.54	4.30	0.14	18.25	4.89	4.65	0.09
15.70	4.55	4.31	0.14	18.30	4.89	4.66	0.09
15.75	4.55	4.32	0.14	18.35	4.90	4.66	0.09
15.80	4.56	4.33	0.13	18.40	4.91	4.67	0.09
15.85	4.57	4.33	0.13	18.45	4.91	4.67	0.09
15.90	4.58	4.34	0.13	18.50	4.92	4.68	0.09
15.95	4.59	4.35	0.13	18.55	4.92	4.68	0.09
16.00	4.59	4.36	0.13	18.60	4.93	4.69	0.09
16.05	4.60	4.37	0.13	18.65	4.93	4.70	0.09
16.10	4.61	4.37	0.13	18.70	4.94	4.70	0.09
16.15	4.62	4.38	0.13	18.75	4.94	4.71	0.09
16.20	4.62	4.39	0.13	18.80	4.95	4.71	0.09
16.25	4.63	4.40	0.13	18.85	4.95	4.72	0.09
16.30	4.64	4.40	0.13	18.90	4.96	4.72	0.09
16.35	4.65	4.41	0.12	18.95	4.96	4.73	0.09
16.40	4.65	4.42	0.12	19.00	4.97	4.73	0.09
16.45	4.66	4.43	0.12	19.05	4.97	4.74	0.09
16.50	4.67	4.43	0.12	19.10	4.98	4.74	0.08
16.55	4.68	4.44	0.12	19.15	4.98	4.75	0.08
16.60	4.68	4.45	0.12	19.20	4.99	4.75	0.08
16.65	4.69	4.45	0.12	19.25	5.00	4.76	0.08
16.70	4.70	4.46	0.12	19.30	5.00	4.76	0.08
16.75	4.70	4.47	0.12	19.35	5.01	4.77	0.08
16.80	4.71	4.48	0.12	19.40	5.01	4.77	0.08
16.85	4.72	4.48	0.12	19.45	5.02	4.78	0.08
16.90	4.73	4.49	0.11	19.50	5.02	4.78	0.08
16.95	4.73	4.50	0.11	19.55	5.03	4.79	0.08
17.00	4.74	4.50	0.11	19.60	5.03	4.79	0.08
17.05	4.75	4.51	0.11	19.65	5.04	4.80	0.08
17.10	4.75	4.52	0.11	19.70	5.04	4.80	0.08
17.15	4.76	4.52	0.11	19.75	5.05	4.81	0.08
17.20	4.77	4.53	0.11	19.80	5.05	4.81	0.08
17.25	4.77	4.54	0.11	19.85	5.06	4.82	0.08
17.30	4.78	4.54	0.11	19.90	5.06	4.82	0.08
17.35	4.78	4.55	0.11	19.95	5.07	4.83	0.08
17.40	4.79	4.55	0.11	20.00	5.07	4.83	0.08
17.45	4.80	4.56	0.10	20.05	5.08	4.84	0.08
17.50	4.80	4.57	0.10	20.10	5.08	4.84	0.08
17.55	4.81	4.57	0.10	20.15	5.09	4.85	0.08
17.60	4.82	4.58	0.10	20.20	5.09	4.85	0.08
17.65	4.82	4.58	0.10	20.25	5.10	4.86	0.08
17.70	4.83	4.59	0.10	20.30	5.10	4.86	0.08
17.75	4.83	4.60	0.10	20.35	5.10	4.87	0.08
17.80	4.84	4.60	0.10	20.40	5.11	4.87	0.08
17.85	4.84	4.61	0.10	20.45	5.11	4.88	0.08
17.90	4.85	4.61	0.10	20.50	5.12	4.88	0.08
17.95	4.86	4.62	0.10	20.55	5.12	4.89	0.08

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	4.89	0.08	23.20	5.36	5.12	0.07
20.65	5.13	4.90	0.08	23.25	5.36	5.12	0.07
20.70	5.14	4.90	0.08	23.30	5.37	5.13	0.07
20.75	5.14	4.91	0.08	23.35	5.37	5.13	0.07
20.80	5.15	4.91	0.08	23.40	5.37	5.14	0.06
20.85	5.15	4.92	0.08	23.45	5.38	5.14	0.06
20.90	5.16	4.92	0.08	23.50	5.38	5.14	0.06
20.95	5.16	4.92	0.08	23.55	5.39	5.15	0.06
21.00	5.17	4.93	0.08	23.60	5.39	5.15	0.06
21.05	5.17	4.93	0.08	23.65	5.39	5.16	0.06
21.10	5.18	4.94	0.08	23.70	5.40	5.16	0.06
21.15	5.18	4.94	0.08	23.75	5.40	5.16	0.06
21.20	5.19	4.95	0.08	23.80	5.40	5.17	0.06
21.25	5.19	4.95	0.07	23.85	5.41	5.17	0.06
21.30	5.19	4.96	0.07	23.90	5.41	5.17	0.06
21.35	5.20	4.96	0.07	23.95	5.42	5.18	0.06
21.40	5.20	4.97	0.07	24.00	5.42	5.18	0.06
21.45	5.21	4.97	0.07	24.05	5.42	5.18	0.06
21.50	5.21	4.98	0.07	24.10	5.42	5.18	0.05
21.55	5.22	4.98	0.07	24.15	5.42	5.18	0.04
21.60	5.22	4.98	0.07	24.20	5.42	5.18	0.03
21.65	5.23	4.99	0.07	24.25	5.42	5.18	0.03
21.70	5.23	4.99	0.07	24.30	5.42	5.18	0.02
21.75	5.23	5.00	0.07	24.35	5.42	5.18	0.01
21.80	5.24	5.00	0.07	24.40	5.42	5.18	0.01
21.85	5.24	5.01	0.07	24.45	5.42	5.18	0.01
21.90	5.25	5.01	0.07	24.50	5.42	5.18	0.01
21.95	5.25	5.02	0.07	24.55	5.42	5.18	0.00
22.00	5.26	5.02	0.07	24.60	5.42	5.18	0.00
22.05	5.26	5.02	0.07	24.65	5.42	5.18	0.00
22.10	5.27	5.03	0.07	24.70	5.42	5.18	0.00
22.15	5.27	5.03	0.07	24.75	5.42	5.18	0.00
22.20	5.27	5.04	0.07	24.80	5.42	5.18	0.00
22.25	5.28	5.04	0.07	24.85	5.42	5.18	0.00
22.30	5.28	5.05	0.07	24.90	5.42	5.18	0.00
22.35	5.29	5.05	0.07	24.95	5.42	5.18	0.00
22.40	5.29	5.05	0.07	25.00	5.42	5.18	0.00
22.45	5.30	5.06	0.07	25.05	5.42	5.18	0.00
22.50	5.30	5.06	0.07	25.10	5.42	5.18	0.00
22.55	5.30	5.07	0.07	25.15	5.42	5.18	0.00
22.60	5.31	5.07	0.07	25.20	5.42	5.18	0.00
22.65	5.31	5.07	0.07	25.25	5.42	5.18	0.00
22.70	5.32	5.08	0.07	25.30	5.42	5.18	0.00
22.75	5.32	5.08	0.07	25.35	5.42	5.18	0.00
22.80	5.32	5.09	0.07	25.40	5.42	5.18	0.00
22.85	5.33	5.09	0.07	25.45	5.42	5.18	0.00
22.90	5.33	5.10	0.07	25.50	5.42	5.18	0.00
22.95	5.34	5.10	0.07	25.55	5.42	5.18	0.00
23.00	5.34	5.10	0.07	25.60	5.42	5.18	0.00
23.05	5.35	5.11	0.07	25.65	5.42	5.18	0.00
23.10	5.35	5.11	0.07	25.70	5.42	5.18	0.00
23.15	5.35	5.12	0.07	25.75	5.42	5.18	0.00

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	5.18	0.00	28.40	5.42	5.18	0.00
25.85	5.42	5.18	0.00	28.45	5.42	5.18	0.00
25.90	5.42	5.18	0.00	28.50	5.42	5.18	0.00
25.95	5.42	5.18	0.00	28.55	5.42	5.18	0.00
26.00	5.42	5.18	0.00	28.60	5.42	5.18	0.00
26.05	5.42	5.18	0.00	28.65	5.42	5.18	0.00
26.10	5.42	5.18	0.00	28.70	5.42	5.18	0.00
26.15	5.42	5.18	0.00	28.75	5.42	5.18	0.00
26.20	5.42	5.18	0.00	28.80	5.42	5.18	0.00
26.25	5.42	5.18	0.00	28.85	5.42	5.18	0.00
26.30	5.42	5.18	0.00	28.90	5.42	5.18	0.00
26.35	5.42	5.18	0.00	28.95	5.42	5.18	0.00
26.40	5.42	5.18	0.00	29.00	5.42	5.18	0.00
26.45	5.42	5.18	0.00	29.05	5.42	5.18	0.00
26.50	5.42	5.18	0.00	29.10	5.42	5.18	0.00
26.55	5.42	5.18	0.00	29.15	5.42	5.18	0.00
26.60	5.42	5.18	0.00	29.20	5.42	5.18	0.00
26.65	5.42	5.18	0.00	29.25	5.42	5.18	0.00
26.70	5.42	5.18	0.00	29.30	5.42	5.18	0.00
26.75	5.42	5.18	0.00	29.35	5.42	5.18	0.00
26.80	5.42	5.18	0.00	29.40	5.42	5.18	0.00
26.85	5.42	5.18	0.00	29.45	5.42	5.18	0.00
26.90	5.42	5.18	0.00	29.50	5.42	5.18	0.00
26.95	5.42	5.18	0.00	29.55	5.42	5.18	0.00
27.00	5.42	5.18	0.00	29.60	5.42	5.18	0.00
27.05	5.42	5.18	0.00	29.65	5.42	5.18	0.00
27.10	5.42	5.18	0.00	29.70	5.42	5.18	0.00
27.15	5.42	5.18	0.00	29.75	5.42	5.18	0.00
27.20	5.42	5.18	0.00	29.80	5.42	5.18	0.00
27.25	5.42	5.18	0.00	29.85	5.42	5.18	0.00
27.30	5.42	5.18	0.00	29.90	5.42	5.18	0.00
27.35	5.42	5.18	0.00	29.95	5.42	5.18	0.00
27.40	5.42	5.18	0.00	30.00	5.42	5.18	0.00
27.45	5.42	5.18	0.00				
27.50	5.42	5.18	0.00				
27.55	5.42	5.18	0.00				
27.60	5.42	5.18	0.00				
27.65	5.42	5.18	0.00				
27.70	5.42	5.18	0.00				
27.75	5.42	5.18	0.00				
27.80	5.42	5.18	0.00				
27.85	5.42	5.18	0.00				
27.90	5.42	5.18	0.00				
27.95	5.42	5.18	0.00				
28.00	5.42	5.18	0.00				
28.05	5.42	5.18	0.00				
28.10	5.42	5.18	0.00				
28.15	5.42	5.18	0.00				
28.20	5.42	5.18	0.00				
28.25	5.42	5.18	0.00				
28.30	5.42	5.18	0.00				
28.35	5.42	5.18	0.00				

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Summary for Subcatchment Basin 2 Pervious: Basin 2 - Pervious

Runoff = 0.07 cfs @ 13.62 hrs, Volume= 0.050 af, Depth= 0.29"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 2.050	39	lawn, A soils
2.050		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.00	0.00	7.60	0.77	0.00	0.00
5.05	0.46	0.00	0.00	7.65	0.77	0.00	0.00
5.10	0.46	0.00	0.00	7.70	0.78	0.00	0.00
5.15	0.47	0.00	0.00	7.75	0.79	0.00	0.00
5.20	0.47	0.00	0.00	7.80	0.80	0.00	0.00
5.25	0.48	0.00	0.00	7.85	0.80	0.00	0.00
5.30	0.48	0.00	0.00	7.90	0.81	0.00	0.00
5.35	0.49	0.00	0.00	7.95	0.82	0.00	0.00
5.40	0.49	0.00	0.00	8.00	0.83	0.00	0.00
5.45	0.50	0.00	0.00	8.05	0.83	0.00	0.00
5.50	0.50	0.00	0.00	8.10	0.84	0.00	0.00
5.55	0.51	0.00	0.00	8.15	0.85	0.00	0.00
5.60	0.51	0.00	0.00	8.20	0.86	0.00	0.00
5.65	0.52	0.00	0.00	8.25	0.87	0.00	0.00
5.70	0.53	0.00	0.00	8.30	0.87	0.00	0.00
5.75	0.53	0.00	0.00	8.35	0.88	0.00	0.00
5.80	0.54	0.00	0.00	8.40	0.89	0.00	0.00
5.85	0.54	0.00	0.00	8.45	0.90	0.00	0.00
5.90	0.55	0.00	0.00	8.50	0.91	0.00	0.00
5.95	0.55	0.00	0.00	8.55	0.92	0.00	0.00
6.00	0.56	0.00	0.00	8.60	0.92	0.00	0.00
6.05	0.56	0.00	0.00	8.65	0.93	0.00	0.00
6.10	0.57	0.00	0.00	8.70	0.94	0.00	0.00
6.15	0.58	0.00	0.00	8.75	0.95	0.00	0.00
6.20	0.58	0.00	0.00	8.80	0.96	0.00	0.00
6.25	0.59	0.00	0.00	8.85	0.97	0.00	0.00
6.30	0.59	0.00	0.00	8.90	0.98	0.00	0.00
6.35	0.60	0.00	0.00	8.95	0.99	0.00	0.00
6.40	0.60	0.00	0.00	9.00	0.99	0.00	0.00
6.45	0.61	0.00	0.00	9.05	1.00	0.00	0.00
6.50	0.62	0.00	0.00	9.10	1.01	0.00	0.00
6.55	0.62	0.00	0.00	9.15	1.02	0.00	0.00
6.60	0.63	0.00	0.00	9.20	1.03	0.00	0.00
6.65	0.64	0.00	0.00	9.25	1.04	0.00	0.00
6.70	0.64	0.00	0.00	9.30	1.05	0.00	0.00
6.75	0.65	0.00	0.00	9.35	1.06	0.00	0.00
6.80	0.65	0.00	0.00	9.40	1.07	0.00	0.00
6.85	0.66	0.00	0.00	9.45	1.08	0.00	0.00
6.90	0.67	0.00	0.00	9.50	1.10	0.00	0.00
6.95	0.67	0.00	0.00	9.55	1.11	0.00	0.00
7.00	0.68	0.00	0.00	9.60	1.12	0.00	0.00
7.05	0.69	0.00	0.00	9.65	1.13	0.00	0.00
7.10	0.69	0.00	0.00	9.70	1.14	0.00	0.00
7.15	0.70	0.00	0.00	9.75	1.15	0.00	0.00
7.20	0.71	0.00	0.00	9.80	1.17	0.00	0.00
7.25	0.72	0.00	0.00	9.85	1.18	0.00	0.00
7.30	0.72	0.00	0.00	9.90	1.19	0.00	0.00
7.35	0.73	0.00	0.00	9.95	1.20	0.00	0.00
7.40	0.74	0.00	0.00	10.00	1.22	0.00	0.00
7.45	0.74	0.00	0.00	10.05	1.23	0.00	0.00
7.50	0.75	0.00	0.00	10.10	1.24	0.00	0.00
7.55	0.76	0.00	0.00	10.15	1.26	0.00	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	0.00	0.00	12.80	3.78	0.03	0.05
10.25	1.28	0.00	0.00	12.85	3.81	0.03	0.05
10.30	1.30	0.00	0.00	12.90	3.83	0.03	0.05
10.35	1.31	0.00	0.00	12.95	3.86	0.03	0.06
10.40	1.32	0.00	0.00	13.00	3.88	0.03	0.06
10.45	1.34	0.00	0.00	13.05	3.90	0.04	0.06
10.50	1.35	0.00	0.00	13.10	3.92	0.04	0.06
10.55	1.37	0.00	0.00	13.15	3.94	0.04	0.07
10.60	1.39	0.00	0.00	13.20	3.96	0.04	0.07
10.65	1.40	0.00	0.00	13.25	3.98	0.04	0.07
10.70	1.42	0.00	0.00	13.30	4.00	0.05	0.07
10.75	1.44	0.00	0.00	13.35	4.02	0.05	0.07
10.80	1.46	0.00	0.00	13.40	4.03	0.05	0.07
10.85	1.48	0.00	0.00	13.45	4.05	0.05	0.07
10.90	1.50	0.00	0.00	13.50	4.07	0.05	0.07
10.95	1.52	0.00	0.00	13.55	4.08	0.05	0.07
11.00	1.54	0.00	0.00	13.60	4.10	0.06	0.07
11.05	1.56	0.00	0.00	13.65	4.11	0.06	0.07
11.10	1.59	0.00	0.00	13.70	4.12	0.06	0.07
11.15	1.61	0.00	0.00	13.75	4.14	0.06	0.07
11.20	1.64	0.00	0.00	13.80	4.15	0.06	0.07
11.25	1.66	0.00	0.00	13.85	4.16	0.06	0.07
11.30	1.69	0.00	0.00	13.90	4.18	0.07	0.07
11.35	1.72	0.00	0.00	13.95	4.19	0.07	0.07
11.40	1.75	0.00	0.00	14.00	4.20	0.07	0.07
11.45	1.78	0.00	0.00	14.05	4.22	0.07	0.07
11.50	1.82	0.00	0.00	14.10	4.23	0.07	0.07
11.55	1.86	0.00	0.00	14.15	4.24	0.07	0.07
11.60	1.90	0.00	0.00	14.20	4.25	0.08	0.07
11.65	1.94	0.00	0.00	14.25	4.27	0.08	0.07
11.70	1.99	0.00	0.00	14.30	4.28	0.08	0.07
11.75	2.05	0.00	0.00	14.35	4.29	0.08	0.07
11.80	2.11	0.00	0.00	14.40	4.30	0.08	0.07
11.85	2.20	0.00	0.00	14.45	4.31	0.08	0.07
11.90	2.28	0.00	0.00	14.50	4.32	0.08	0.07
11.95	2.44	0.00	0.00	14.55	4.34	0.09	0.07
12.00	2.60	0.00	0.00	14.60	4.35	0.09	0.07
12.05	2.87	0.00	0.00	14.65	4.36	0.09	0.07
12.10	3.14	0.00	0.00	14.70	4.37	0.09	0.07
12.15	3.22	0.00	0.00	14.75	4.38	0.09	0.07
12.20	3.31	0.00	0.00	14.80	4.39	0.09	0.07
12.25	3.37	0.00	0.00	14.85	4.40	0.10	0.07
12.30	3.43	0.01	0.00	14.90	4.41	0.10	0.06
12.35	3.48	0.01	0.01	14.95	4.42	0.10	0.06
12.40	3.52	0.01	0.01	15.00	4.43	0.10	0.06
12.45	3.56	0.01	0.01	15.05	4.43	0.10	0.06
12.50	3.60	0.01	0.02	15.10	4.44	0.10	0.06
12.55	3.64	0.02	0.02	15.15	4.45	0.10	0.06
12.60	3.67	0.02	0.03	15.20	4.46	0.10	0.06
12.65	3.70	0.02	0.04	15.25	4.47	0.11	0.06
12.70	3.73	0.02	0.04	15.30	4.48	0.11	0.06
12.75	3.76	0.02	0.04	15.35	4.49	0.11	0.06

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	0.11	0.06	18.00	4.86	0.17	0.05
15.45	4.50	0.11	0.06	18.05	4.87	0.17	0.05
15.50	4.51	0.11	0.06	18.10	4.87	0.18	0.05
15.55	4.52	0.11	0.06	18.15	4.88	0.18	0.05
15.60	4.53	0.12	0.06	18.20	4.88	0.18	0.05
15.65	4.54	0.12	0.06	18.25	4.89	0.18	0.05
15.70	4.55	0.12	0.06	18.30	4.89	0.18	0.05
15.75	4.55	0.12	0.06	18.35	4.90	0.18	0.05
15.80	4.56	0.12	0.06	18.40	4.91	0.18	0.05
15.85	4.57	0.12	0.06	18.45	4.91	0.18	0.05
15.90	4.58	0.12	0.06	18.50	4.92	0.18	0.05
15.95	4.59	0.12	0.06	18.55	4.92	0.18	0.04
16.00	4.59	0.13	0.06	18.60	4.93	0.19	0.04
16.05	4.60	0.13	0.06	18.65	4.93	0.19	0.04
16.10	4.61	0.13	0.06	18.70	4.94	0.19	0.04
16.15	4.62	0.13	0.06	18.75	4.94	0.19	0.04
16.20	4.62	0.13	0.05	18.80	4.95	0.19	0.04
16.25	4.63	0.13	0.05	18.85	4.95	0.19	0.04
16.30	4.64	0.13	0.05	18.90	4.96	0.19	0.04
16.35	4.65	0.13	0.05	18.95	4.96	0.19	0.04
16.40	4.65	0.14	0.05	19.00	4.97	0.19	0.04
16.45	4.66	0.14	0.05	19.05	4.97	0.19	0.04
16.50	4.67	0.14	0.05	19.10	4.98	0.20	0.04
16.55	4.68	0.14	0.05	19.15	4.98	0.20	0.04
16.60	4.68	0.14	0.05	19.20	4.99	0.20	0.04
16.65	4.69	0.14	0.05	19.25	5.00	0.20	0.04
16.70	4.70	0.14	0.05	19.30	5.00	0.20	0.04
16.75	4.70	0.14	0.05	19.35	5.01	0.20	0.04
16.80	4.71	0.15	0.05	19.40	5.01	0.20	0.04
16.85	4.72	0.15	0.05	19.45	5.02	0.20	0.04
16.90	4.73	0.15	0.05	19.50	5.02	0.20	0.04
16.95	4.73	0.15	0.05	19.55	5.03	0.21	0.04
17.00	4.74	0.15	0.05	19.60	5.03	0.21	0.04
17.05	4.75	0.15	0.05	19.65	5.04	0.21	0.04
17.10	4.75	0.15	0.05	19.70	5.04	0.21	0.04
17.15	4.76	0.15	0.05	19.75	5.05	0.21	0.04
17.20	4.77	0.16	0.05	19.80	5.05	0.21	0.04
17.25	4.77	0.16	0.05	19.85	5.06	0.21	0.04
17.30	4.78	0.16	0.05	19.90	5.06	0.21	0.04
17.35	4.78	0.16	0.05	19.95	5.07	0.21	0.04
17.40	4.79	0.16	0.05	20.00	5.07	0.21	0.04
17.45	4.80	0.16	0.05	20.05	5.08	0.22	0.04
17.50	4.80	0.16	0.05	20.10	5.08	0.22	0.04
17.55	4.81	0.16	0.05	20.15	5.09	0.22	0.04
17.60	4.82	0.16	0.05	20.20	5.09	0.22	0.04
17.65	4.82	0.17	0.05	20.25	5.10	0.22	0.04
17.70	4.83	0.17	0.05	20.30	5.10	0.22	0.04
17.75	4.83	0.17	0.05	20.35	5.10	0.22	0.04
17.80	4.84	0.17	0.05	20.40	5.11	0.22	0.04
17.85	4.84	0.17	0.05	20.45	5.11	0.22	0.04
17.90	4.85	0.17	0.05	20.50	5.12	0.22	0.04
17.95	4.86	0.17	0.05	20.55	5.12	0.23	0.04

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	0.23	0.04	23.20	5.36	0.28	0.04
20.65	5.13	0.23	0.04	23.25	5.36	0.28	0.04
20.70	5.14	0.23	0.04	23.30	5.37	0.28	0.04
20.75	5.14	0.23	0.04	23.35	5.37	0.28	0.04
20.80	5.15	0.23	0.04	23.40	5.37	0.28	0.04
20.85	5.15	0.23	0.04	23.45	5.38	0.28	0.04
20.90	5.16	0.23	0.04	23.50	5.38	0.28	0.04
20.95	5.16	0.23	0.04	23.55	5.39	0.28	0.04
21.00	5.17	0.24	0.04	23.60	5.39	0.29	0.04
21.05	5.17	0.24	0.04	23.65	5.39	0.29	0.04
21.10	5.18	0.24	0.04	23.70	5.40	0.29	0.04
21.15	5.18	0.24	0.04	23.75	5.40	0.29	0.04
21.20	5.19	0.24	0.04	23.80	5.40	0.29	0.04
21.25	5.19	0.24	0.04	23.85	5.41	0.29	0.04
21.30	5.19	0.24	0.04	23.90	5.41	0.29	0.04
21.35	5.20	0.24	0.04	23.95	5.42	0.29	0.04
21.40	5.20	0.24	0.04	24.00	5.42	0.29	0.04
21.45	5.21	0.24	0.04	24.05	5.42	0.29	0.04
21.50	5.21	0.25	0.04	24.10	5.42	0.29	0.04
21.55	5.22	0.25	0.04	24.15	5.42	0.29	0.04
21.60	5.22	0.25	0.04	24.20	5.42	0.29	0.04
21.65	5.23	0.25	0.04	24.25	5.42	0.29	0.03
21.70	5.23	0.25	0.04	24.30	5.42	0.29	0.03
21.75	5.23	0.25	0.04	24.35	5.42	0.29	0.03
21.80	5.24	0.25	0.04	24.40	5.42	0.29	0.03
21.85	5.24	0.25	0.04	24.45	5.42	0.29	0.02
21.90	5.25	0.25	0.04	24.50	5.42	0.29	0.02
21.95	5.25	0.25	0.04	24.55	5.42	0.29	0.02
22.00	5.26	0.25	0.04	24.60	5.42	0.29	0.02
22.05	5.26	0.26	0.04	24.65	5.42	0.29	0.02
22.10	5.27	0.26	0.04	24.70	5.42	0.29	0.01
22.15	5.27	0.26	0.04	24.75	5.42	0.29	0.01
22.20	5.27	0.26	0.04	24.80	5.42	0.29	0.01
22.25	5.28	0.26	0.04	24.85	5.42	0.29	0.01
22.30	5.28	0.26	0.04	24.90	5.42	0.29	0.01
22.35	5.29	0.26	0.04	24.95	5.42	0.29	0.01
22.40	5.29	0.26	0.04	25.00	5.42	0.29	0.01
22.45	5.30	0.26	0.04	25.05	5.42	0.29	0.01
22.50	5.30	0.26	0.04	25.10	5.42	0.29	0.01
22.55	5.30	0.27	0.04	25.15	5.42	0.29	0.01
22.60	5.31	0.27	0.04	25.20	5.42	0.29	0.01
22.65	5.31	0.27	0.04	25.25	5.42	0.29	0.00
22.70	5.32	0.27	0.04	25.30	5.42	0.29	0.00
22.75	5.32	0.27	0.04	25.35	5.42	0.29	0.00
22.80	5.32	0.27	0.04	25.40	5.42	0.29	0.00
22.85	5.33	0.27	0.04	25.45	5.42	0.29	0.00
22.90	5.33	0.27	0.04	25.50	5.42	0.29	0.00
22.95	5.34	0.27	0.04	25.55	5.42	0.29	0.00
23.00	5.34	0.27	0.04	25.60	5.42	0.29	0.00
23.05	5.35	0.28	0.04	25.65	5.42	0.29	0.00
23.10	5.35	0.28	0.04	25.70	5.42	0.29	0.00
23.15	5.35	0.28	0.04	25.75	5.42	0.29	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	0.29	0.00	28.40	5.42	0.29	0.00
25.85	5.42	0.29	0.00	28.45	5.42	0.29	0.00
25.90	5.42	0.29	0.00	28.50	5.42	0.29	0.00
25.95	5.42	0.29	0.00	28.55	5.42	0.29	0.00
26.00	5.42	0.29	0.00	28.60	5.42	0.29	0.00
26.05	5.42	0.29	0.00	28.65	5.42	0.29	0.00
26.10	5.42	0.29	0.00	28.70	5.42	0.29	0.00
26.15	5.42	0.29	0.00	28.75	5.42	0.29	0.00
26.20	5.42	0.29	0.00	28.80	5.42	0.29	0.00
26.25	5.42	0.29	0.00	28.85	5.42	0.29	0.00
26.30	5.42	0.29	0.00	28.90	5.42	0.29	0.00
26.35	5.42	0.29	0.00	28.95	5.42	0.29	0.00
26.40	5.42	0.29	0.00	29.00	5.42	0.29	0.00
26.45	5.42	0.29	0.00	29.05	5.42	0.29	0.00
26.50	5.42	0.29	0.00	29.10	5.42	0.29	0.00
26.55	5.42	0.29	0.00	29.15	5.42	0.29	0.00
26.60	5.42	0.29	0.00	29.20	5.42	0.29	0.00
26.65	5.42	0.29	0.00	29.25	5.42	0.29	0.00
26.70	5.42	0.29	0.00	29.30	5.42	0.29	0.00
26.75	5.42	0.29	0.00	29.35	5.42	0.29	0.00
26.80	5.42	0.29	0.00	29.40	5.42	0.29	0.00
26.85	5.42	0.29	0.00	29.45	5.42	0.29	0.00
26.90	5.42	0.29	0.00	29.50	5.42	0.29	0.00
26.95	5.42	0.29	0.00	29.55	5.42	0.29	0.00
27.00	5.42	0.29	0.00	29.60	5.42	0.29	0.00
27.05	5.42	0.29	0.00	29.65	5.42	0.29	0.00
27.10	5.42	0.29	0.00	29.70	5.42	0.29	0.00
27.15	5.42	0.29	0.00	29.75	5.42	0.29	0.00
27.20	5.42	0.29	0.00	29.80	5.42	0.29	0.00
27.25	5.42	0.29	0.00	29.85	5.42	0.29	0.00
27.30	5.42	0.29	0.00	29.90	5.42	0.29	0.00
27.35	5.42	0.29	0.00	29.95	5.42	0.29	0.00
27.40	5.42	0.29	0.00	30.00	5.42	0.29	0.00
27.45	5.42	0.29	0.00				
27.50	5.42	0.29	0.00				
27.55	5.42	0.29	0.00				
27.60	5.42	0.29	0.00				
27.65	5.42	0.29	0.00				
27.70	5.42	0.29	0.00				
27.75	5.42	0.29	0.00				
27.80	5.42	0.29	0.00				
27.85	5.42	0.29	0.00				
27.90	5.42	0.29	0.00				
27.95	5.42	0.29	0.00				
28.00	5.42	0.29	0.00				
28.05	5.42	0.29	0.00				
28.10	5.42	0.29	0.00				
28.15	5.42	0.29	0.00				
28.20	5.42	0.29	0.00				
28.25	5.42	0.29	0.00				
28.30	5.42	0.29	0.00				
28.35	5.42	0.29	0.00				

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Summary for Subcatchment Basin 2 Roof: Basin 2 Roof

Runoff = 1.10 cfs @ 12.19 hrs, Volume= 0.144 af, Depth> 4.93"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D 10 year Rainfall=5.42"

Area (ac)	CN	Description
* 0.350	98	Roof
0.350		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.27	0.03	7.60	0.77	0.57	0.05
5.05	0.46	0.28	0.03	7.65	0.77	0.57	0.05
5.10	0.46	0.28	0.03	7.70	0.78	0.58	0.05
5.15	0.47	0.29	0.03	7.75	0.79	0.59	0.05
5.20	0.47	0.29	0.03	7.80	0.80	0.59	0.05
5.25	0.48	0.30	0.03	7.85	0.80	0.60	0.05
5.30	0.48	0.30	0.03	7.90	0.81	0.61	0.05
5.35	0.49	0.31	0.03	7.95	0.82	0.62	0.05
5.40	0.49	0.31	0.03	8.00	0.83	0.62	0.05
5.45	0.50	0.32	0.03	8.05	0.83	0.63	0.05
5.50	0.50	0.32	0.03	8.10	0.84	0.64	0.05
5.55	0.51	0.33	0.03	8.15	0.85	0.65	0.05
5.60	0.51	0.33	0.03	8.20	0.86	0.65	0.05
5.65	0.52	0.34	0.03	8.25	0.87	0.66	0.05
5.70	0.53	0.34	0.03	8.30	0.87	0.67	0.05
5.75	0.53	0.35	0.03	8.35	0.88	0.68	0.05
5.80	0.54	0.35	0.03	8.40	0.89	0.69	0.05
5.85	0.54	0.36	0.03	8.45	0.90	0.69	0.05
5.90	0.55	0.36	0.03	8.50	0.91	0.70	0.06
5.95	0.55	0.37	0.03	8.55	0.92	0.71	0.06
6.00	0.56	0.37	0.04	8.60	0.92	0.72	0.06
6.05	0.56	0.38	0.04	8.65	0.93	0.73	0.06
6.10	0.57	0.38	0.04	8.70	0.94	0.73	0.06
6.15	0.58	0.39	0.04	8.75	0.95	0.74	0.06
6.20	0.58	0.39	0.04	8.80	0.96	0.75	0.06
6.25	0.59	0.40	0.04	8.85	0.97	0.76	0.06
6.30	0.59	0.40	0.04	8.90	0.98	0.77	0.06
6.35	0.60	0.41	0.04	8.95	0.99	0.78	0.06
6.40	0.60	0.41	0.04	9.00	0.99	0.79	0.06
6.45	0.61	0.42	0.04	9.05	1.00	0.79	0.06
6.50	0.62	0.43	0.04	9.10	1.01	0.80	0.06
6.55	0.62	0.43	0.04	9.15	1.02	0.81	0.06
6.60	0.63	0.44	0.04	9.20	1.03	0.82	0.06
6.65	0.64	0.44	0.04	9.25	1.04	0.83	0.06
6.70	0.64	0.45	0.04	9.30	1.05	0.84	0.06
6.75	0.65	0.45	0.04	9.35	1.06	0.85	0.07
6.80	0.65	0.46	0.04	9.40	1.07	0.86	0.07
6.85	0.66	0.47	0.04	9.45	1.08	0.87	0.07
6.90	0.67	0.47	0.04	9.50	1.10	0.88	0.07
6.95	0.67	0.48	0.04	9.55	1.11	0.89	0.07
7.00	0.68	0.49	0.04	9.60	1.12	0.91	0.07
7.05	0.69	0.49	0.04	9.65	1.13	0.92	0.07
7.10	0.69	0.50	0.04	9.70	1.14	0.93	0.07
7.15	0.70	0.50	0.04	9.75	1.15	0.94	0.08
7.20	0.71	0.51	0.04	9.80	1.17	0.95	0.08
7.25	0.72	0.52	0.04	9.85	1.18	0.96	0.08
7.30	0.72	0.52	0.04	9.90	1.19	0.98	0.08
7.35	0.73	0.53	0.05	9.95	1.20	0.99	0.08
7.40	0.74	0.54	0.05	10.00	1.22	1.00	0.08
7.45	0.74	0.54	0.05	10.05	1.23	1.01	0.08
7.50	0.75	0.55	0.05	10.10	1.24	1.03	0.08
7.55	0.76	0.56	0.05	10.15	1.26	1.04	0.09

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	1.05	0.09	12.80	3.78	3.55	0.28
10.25	1.28	1.07	0.09	12.85	3.81	3.57	0.26
10.30	1.30	1.08	0.09	12.90	3.83	3.60	0.24
10.35	1.31	1.09	0.09	12.95	3.86	3.62	0.22
10.40	1.32	1.11	0.09	13.00	3.88	3.65	0.21
10.45	1.34	1.12	0.09	13.05	3.90	3.67	0.20
10.50	1.35	1.14	0.10	13.10	3.92	3.69	0.19
10.55	1.37	1.15	0.10	13.15	3.94	3.71	0.18
10.60	1.39	1.17	0.10	13.20	3.96	3.73	0.17
10.65	1.40	1.18	0.10	13.25	3.98	3.75	0.16
10.70	1.42	1.20	0.11	13.30	4.00	3.76	0.15
10.75	1.44	1.22	0.11	13.35	4.02	3.78	0.15
10.80	1.46	1.24	0.11	13.40	4.03	3.80	0.14
10.85	1.48	1.26	0.12	13.45	4.05	3.82	0.14
10.90	1.50	1.28	0.12	13.50	4.07	3.83	0.13
10.95	1.52	1.30	0.12	13.55	4.08	3.85	0.13
11.00	1.54	1.32	0.13	13.60	4.10	3.86	0.12
11.05	1.56	1.34	0.13	13.65	4.11	3.87	0.12
11.10	1.59	1.37	0.14	13.70	4.12	3.89	0.11
11.15	1.61	1.39	0.14	13.75	4.14	3.90	0.11
11.20	1.64	1.42	0.15	13.80	4.15	3.92	0.11
11.25	1.66	1.44	0.16	13.85	4.16	3.93	0.11
11.30	1.69	1.47	0.16	13.90	4.18	3.94	0.10
11.35	1.72	1.50	0.17	13.95	4.19	3.96	0.10
11.40	1.75	1.53	0.18	14.00	4.20	3.97	0.10
11.45	1.78	1.56	0.18	14.05	4.22	3.98	0.10
11.50	1.82	1.59	0.19	14.10	4.23	3.99	0.10
11.55	1.86	1.63	0.20	14.15	4.24	4.01	0.09
11.60	1.90	1.67	0.21	14.20	4.25	4.02	0.09
11.65	1.94	1.72	0.23	14.25	4.27	4.03	0.09
11.70	1.99	1.76	0.25	14.30	4.28	4.04	0.09
11.75	2.05	1.82	0.26	14.35	4.29	4.05	0.09
11.80	2.11	1.88	0.29	14.40	4.30	4.07	0.09
11.85	2.20	1.97	0.32	14.45	4.31	4.08	0.09
11.90	2.28	2.06	0.37	14.50	4.32	4.09	0.08
11.95	2.44	2.21	0.44	14.55	4.34	4.10	0.08
12.00	2.60	2.37	0.54	14.60	4.35	4.11	0.08
12.05	2.87	2.63	0.68	14.65	4.36	4.12	0.08
12.10	3.14	2.90	0.87	14.70	4.37	4.13	0.08
12.15	3.22	2.99	1.07	14.75	4.38	4.14	0.08
12.20	3.31	3.08	1.10	14.80	4.39	4.15	0.08
12.25	3.37	3.14	1.01	14.85	4.40	4.16	0.08
12.30	3.43	3.20	0.90	14.90	4.41	4.17	0.07
12.35	3.48	3.24	0.79	14.95	4.42	4.18	0.07
12.40	3.52	3.29	0.70	15.00	4.43	4.19	0.07
12.45	3.56	3.33	0.61	15.05	4.43	4.20	0.07
12.50	3.60	3.37	0.54	15.10	4.44	4.21	0.07
12.55	3.64	3.40	0.49	15.15	4.45	4.22	0.07
12.60	3.67	3.43	0.43	15.20	4.46	4.22	0.07
12.65	3.70	3.46	0.38	15.25	4.47	4.23	0.07
12.70	3.73	3.49	0.34	15.30	4.48	4.24	0.06
12.75	3.76	3.52	0.31	15.35	4.49	4.25	0.06

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	4.26	0.06	18.00	4.86	4.63	0.04
15.45	4.50	4.27	0.06	18.05	4.87	4.63	0.04
15.50	4.51	4.28	0.06	18.10	4.87	4.64	0.04
15.55	4.52	4.28	0.06	18.15	4.88	4.64	0.04
15.60	4.53	4.29	0.06	18.20	4.88	4.65	0.04
15.65	4.54	4.30	0.06	18.25	4.89	4.65	0.04
15.70	4.55	4.31	0.06	18.30	4.89	4.66	0.04
15.75	4.55	4.32	0.06	18.35	4.90	4.66	0.04
15.80	4.56	4.33	0.06	18.40	4.91	4.67	0.04
15.85	4.57	4.33	0.06	18.45	4.91	4.67	0.04
15.90	4.58	4.34	0.06	18.50	4.92	4.68	0.04
15.95	4.59	4.35	0.06	18.55	4.92	4.68	0.04
16.00	4.59	4.36	0.06	18.60	4.93	4.69	0.04
16.05	4.60	4.37	0.06	18.65	4.93	4.70	0.04
16.10	4.61	4.37	0.06	18.70	4.94	4.70	0.04
16.15	4.62	4.38	0.06	18.75	4.94	4.71	0.04
16.20	4.62	4.39	0.06	18.80	4.95	4.71	0.04
16.25	4.63	4.40	0.06	18.85	4.95	4.72	0.04
16.30	4.64	4.40	0.05	18.90	4.96	4.72	0.04
16.35	4.65	4.41	0.05	18.95	4.96	4.73	0.04
16.40	4.65	4.42	0.05	19.00	4.97	4.73	0.04
16.45	4.66	4.43	0.05	19.05	4.97	4.74	0.04
16.50	4.67	4.43	0.05	19.10	4.98	4.74	0.04
16.55	4.68	4.44	0.05	19.15	4.98	4.75	0.04
16.60	4.68	4.45	0.05	19.20	4.99	4.75	0.04
16.65	4.69	4.45	0.05	19.25	5.00	4.76	0.04
16.70	4.70	4.46	0.05	19.30	5.00	4.76	0.04
16.75	4.70	4.47	0.05	19.35	5.01	4.77	0.04
16.80	4.71	4.48	0.05	19.40	5.01	4.77	0.04
16.85	4.72	4.48	0.05	19.45	5.02	4.78	0.04
16.90	4.73	4.49	0.05	19.50	5.02	4.78	0.04
16.95	4.73	4.50	0.05	19.55	5.03	4.79	0.04
17.00	4.74	4.50	0.05	19.60	5.03	4.79	0.04
17.05	4.75	4.51	0.05	19.65	5.04	4.80	0.04
17.10	4.75	4.52	0.05	19.70	5.04	4.80	0.04
17.15	4.76	4.52	0.05	19.75	5.05	4.81	0.04
17.20	4.77	4.53	0.05	19.80	5.05	4.81	0.04
17.25	4.77	4.54	0.05	19.85	5.06	4.82	0.04
17.30	4.78	4.54	0.05	19.90	5.06	4.82	0.04
17.35	4.78	4.55	0.05	19.95	5.07	4.83	0.04
17.40	4.79	4.55	0.05	20.00	5.07	4.83	0.04
17.45	4.80	4.56	0.05	20.05	5.08	4.84	0.04
17.50	4.80	4.57	0.05	20.10	5.08	4.84	0.04
17.55	4.81	4.57	0.04	20.15	5.09	4.85	0.04
17.60	4.82	4.58	0.04	20.20	5.09	4.85	0.03
17.65	4.82	4.58	0.04	20.25	5.10	4.86	0.03
17.70	4.83	4.59	0.04	20.30	5.10	4.86	0.03
17.75	4.83	4.60	0.04	20.35	5.10	4.87	0.03
17.80	4.84	4.60	0.04	20.40	5.11	4.87	0.03
17.85	4.84	4.61	0.04	20.45	5.11	4.88	0.03
17.90	4.85	4.61	0.04	20.50	5.12	4.88	0.03
17.95	4.86	4.62	0.04	20.55	5.12	4.89	0.03

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	4.89	0.03	23.20	5.36	5.12	0.03
20.65	5.13	4.90	0.03	23.25	5.36	5.12	0.03
20.70	5.14	4.90	0.03	23.30	5.37	5.13	0.03
20.75	5.14	4.91	0.03	23.35	5.37	5.13	0.03
20.80	5.15	4.91	0.03	23.40	5.37	5.14	0.03
20.85	5.15	4.92	0.03	23.45	5.38	5.14	0.03
20.90	5.16	4.92	0.03	23.50	5.38	5.14	0.03
20.95	5.16	4.92	0.03	23.55	5.39	5.15	0.03
21.00	5.17	4.93	0.03	23.60	5.39	5.15	0.03
21.05	5.17	4.93	0.03	23.65	5.39	5.16	0.03
21.10	5.18	4.94	0.03	23.70	5.40	5.16	0.03
21.15	5.18	4.94	0.03	23.75	5.40	5.16	0.03
21.20	5.19	4.95	0.03	23.80	5.40	5.17	0.03
21.25	5.19	4.95	0.03	23.85	5.41	5.17	0.03
21.30	5.19	4.96	0.03	23.90	5.41	5.17	0.03
21.35	5.20	4.96	0.03	23.95	5.42	5.18	0.03
21.40	5.20	4.97	0.03	24.00	5.42	5.18	0.03
21.45	5.21	4.97	0.03	24.05	5.42	5.18	0.03
21.50	5.21	4.98	0.03	24.10	5.42	5.18	0.02
21.55	5.22	4.98	0.03	24.15	5.42	5.18	0.02
21.60	5.22	4.98	0.03	24.20	5.42	5.18	0.01
21.65	5.23	4.99	0.03	24.25	5.42	5.18	0.01
21.70	5.23	4.99	0.03	24.30	5.42	5.18	0.01
21.75	5.23	5.00	0.03	24.35	5.42	5.18	0.01
21.80	5.24	5.00	0.03	24.40	5.42	5.18	0.00
21.85	5.24	5.01	0.03	24.45	5.42	5.18	0.00
21.90	5.25	5.01	0.03	24.50	5.42	5.18	0.00
21.95	5.25	5.02	0.03	24.55	5.42	5.18	0.00
22.00	5.26	5.02	0.03	24.60	5.42	5.18	0.00
22.05	5.26	5.02	0.03	24.65	5.42	5.18	0.00
22.10	5.27	5.03	0.03	24.70	5.42	5.18	0.00
22.15	5.27	5.03	0.03	24.75	5.42	5.18	0.00
22.20	5.27	5.04	0.03	24.80	5.42	5.18	0.00
22.25	5.28	5.04	0.03	24.85	5.42	5.18	0.00
22.30	5.28	5.05	0.03	24.90	5.42	5.18	0.00
22.35	5.29	5.05	0.03	24.95	5.42	5.18	0.00
22.40	5.29	5.05	0.03	25.00	5.42	5.18	0.00
22.45	5.30	5.06	0.03	25.05	5.42	5.18	0.00
22.50	5.30	5.06	0.03	25.10	5.42	5.18	0.00
22.55	5.30	5.07	0.03	25.15	5.42	5.18	0.00
22.60	5.31	5.07	0.03	25.20	5.42	5.18	0.00
22.65	5.31	5.07	0.03	25.25	5.42	5.18	0.00
22.70	5.32	5.08	0.03	25.30	5.42	5.18	0.00
22.75	5.32	5.08	0.03	25.35	5.42	5.18	0.00
22.80	5.32	5.09	0.03	25.40	5.42	5.18	0.00
22.85	5.33	5.09	0.03	25.45	5.42	5.18	0.00
22.90	5.33	5.10	0.03	25.50	5.42	5.18	0.00
22.95	5.34	5.10	0.03	25.55	5.42	5.18	0.00
23.00	5.34	5.10	0.03	25.60	5.42	5.18	0.00
23.05	5.35	5.11	0.03	25.65	5.42	5.18	0.00
23.10	5.35	5.11	0.03	25.70	5.42	5.18	0.00
23.15	5.35	5.12	0.03	25.75	5.42	5.18	0.00

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	5.18	0.00	28.40	5.42	5.18	0.00
25.85	5.42	5.18	0.00	28.45	5.42	5.18	0.00
25.90	5.42	5.18	0.00	28.50	5.42	5.18	0.00
25.95	5.42	5.18	0.00	28.55	5.42	5.18	0.00
26.00	5.42	5.18	0.00	28.60	5.42	5.18	0.00
26.05	5.42	5.18	0.00	28.65	5.42	5.18	0.00
26.10	5.42	5.18	0.00	28.70	5.42	5.18	0.00
26.15	5.42	5.18	0.00	28.75	5.42	5.18	0.00
26.20	5.42	5.18	0.00	28.80	5.42	5.18	0.00
26.25	5.42	5.18	0.00	28.85	5.42	5.18	0.00
26.30	5.42	5.18	0.00	28.90	5.42	5.18	0.00
26.35	5.42	5.18	0.00	28.95	5.42	5.18	0.00
26.40	5.42	5.18	0.00	29.00	5.42	5.18	0.00
26.45	5.42	5.18	0.00	29.05	5.42	5.18	0.00
26.50	5.42	5.18	0.00	29.10	5.42	5.18	0.00
26.55	5.42	5.18	0.00	29.15	5.42	5.18	0.00
26.60	5.42	5.18	0.00	29.20	5.42	5.18	0.00
26.65	5.42	5.18	0.00	29.25	5.42	5.18	0.00
26.70	5.42	5.18	0.00	29.30	5.42	5.18	0.00
26.75	5.42	5.18	0.00	29.35	5.42	5.18	0.00
26.80	5.42	5.18	0.00	29.40	5.42	5.18	0.00
26.85	5.42	5.18	0.00	29.45	5.42	5.18	0.00
26.90	5.42	5.18	0.00	29.50	5.42	5.18	0.00
26.95	5.42	5.18	0.00	29.55	5.42	5.18	0.00
27.00	5.42	5.18	0.00	29.60	5.42	5.18	0.00
27.05	5.42	5.18	0.00	29.65	5.42	5.18	0.00
27.10	5.42	5.18	0.00	29.70	5.42	5.18	0.00
27.15	5.42	5.18	0.00	29.75	5.42	5.18	0.00
27.20	5.42	5.18	0.00	29.80	5.42	5.18	0.00
27.25	5.42	5.18	0.00	29.85	5.42	5.18	0.00
27.30	5.42	5.18	0.00	29.90	5.42	5.18	0.00
27.35	5.42	5.18	0.00	29.95	5.42	5.18	0.00
27.40	5.42	5.18	0.00	30.00	5.42	5.18	0.00
27.45	5.42	5.18	0.00				
27.50	5.42	5.18	0.00				
27.55	5.42	5.18	0.00				
27.60	5.42	5.18	0.00				
27.65	5.42	5.18	0.00				
27.70	5.42	5.18	0.00				
27.75	5.42	5.18	0.00				
27.80	5.42	5.18	0.00				
27.85	5.42	5.18	0.00				
27.90	5.42	5.18	0.00				
27.95	5.42	5.18	0.00				
28.00	5.42	5.18	0.00				
28.05	5.42	5.18	0.00				
28.10	5.42	5.18	0.00				
28.15	5.42	5.18	0.00				
28.20	5.42	5.18	0.00				
28.25	5.42	5.18	0.00				
28.30	5.42	5.18	0.00				
28.35	5.42	5.18	0.00				

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Summary for Subcatchment Basin 3 Impervious: Basin 3 Impervious

Runoff = 3.79 cfs @ 12.19 hrs, Volume= 0.493 af, Depth> 4.93"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.550	98	Pavement & Sidewalk
* 0.250	98	Driveways
* 0.400	98	Roof
1.200	98	Weighted Average
1.200		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.27	0.11	7.60	0.77	0.57	0.16
5.05	0.46	0.28	0.11	7.65	0.77	0.57	0.16
5.10	0.46	0.28	0.11	7.70	0.78	0.58	0.17
5.15	0.47	0.29	0.11	7.75	0.79	0.59	0.17
5.20	0.47	0.29	0.11	7.80	0.80	0.59	0.17
5.25	0.48	0.30	0.11	7.85	0.80	0.60	0.17
5.30	0.48	0.30	0.11	7.90	0.81	0.61	0.17
5.35	0.49	0.31	0.11	7.95	0.82	0.62	0.17
5.40	0.49	0.31	0.11	8.00	0.83	0.62	0.17
5.45	0.50	0.32	0.11	8.05	0.83	0.63	0.18
5.50	0.50	0.32	0.12	8.10	0.84	0.64	0.18
5.55	0.51	0.33	0.12	8.15	0.85	0.65	0.18
5.60	0.51	0.33	0.12	8.20	0.86	0.65	0.18
5.65	0.52	0.34	0.12	8.25	0.87	0.66	0.18
5.70	0.53	0.34	0.12	8.30	0.87	0.67	0.18
5.75	0.53	0.35	0.12	8.35	0.88	0.68	0.18
5.80	0.54	0.35	0.12	8.40	0.89	0.69	0.19
5.85	0.54	0.36	0.12	8.45	0.90	0.69	0.19
5.90	0.55	0.36	0.12	8.50	0.91	0.70	0.19
5.95	0.55	0.37	0.12	8.55	0.92	0.71	0.19
6.00	0.56	0.37	0.12	8.60	0.92	0.72	0.19
6.05	0.56	0.38	0.12	8.65	0.93	0.73	0.19
6.10	0.57	0.38	0.12	8.70	0.94	0.73	0.19
6.15	0.58	0.39	0.12	8.75	0.95	0.74	0.20
6.20	0.58	0.39	0.12	8.80	0.96	0.75	0.20
6.25	0.59	0.40	0.12	8.85	0.97	0.76	0.20
6.30	0.59	0.40	0.13	8.90	0.98	0.77	0.20
6.35	0.60	0.41	0.13	8.95	0.99	0.78	0.20
6.40	0.60	0.41	0.13	9.00	0.99	0.79	0.20
6.45	0.61	0.42	0.13	9.05	1.00	0.79	0.21
6.50	0.62	0.43	0.13	9.10	1.01	0.80	0.21
6.55	0.62	0.43	0.13	9.15	1.02	0.81	0.21
6.60	0.63	0.44	0.13	9.20	1.03	0.82	0.21
6.65	0.64	0.44	0.14	9.25	1.04	0.83	0.22
6.70	0.64	0.45	0.14	9.30	1.05	0.84	0.22
6.75	0.65	0.45	0.14	9.35	1.06	0.85	0.22
6.80	0.65	0.46	0.14	9.40	1.07	0.86	0.23
6.85	0.66	0.47	0.14	9.45	1.08	0.87	0.23
6.90	0.67	0.47	0.14	9.50	1.10	0.88	0.24
6.95	0.67	0.48	0.14	9.55	1.11	0.89	0.24
7.00	0.68	0.49	0.15	9.60	1.12	0.91	0.25
7.05	0.69	0.49	0.15	9.65	1.13	0.92	0.25
7.10	0.69	0.50	0.15	9.70	1.14	0.93	0.25
7.15	0.70	0.50	0.15	9.75	1.15	0.94	0.26
7.20	0.71	0.51	0.15	9.80	1.17	0.95	0.26
7.25	0.72	0.52	0.15	9.85	1.18	0.96	0.27
7.30	0.72	0.52	0.15	9.90	1.19	0.98	0.27
7.35	0.73	0.53	0.16	9.95	1.20	0.99	0.28
7.40	0.74	0.54	0.16	10.00	1.22	1.00	0.28
7.45	0.74	0.54	0.16	10.05	1.23	1.01	0.29
7.50	0.75	0.55	0.16	10.10	1.24	1.03	0.29
7.55	0.76	0.56	0.16	10.15	1.26	1.04	0.30

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	1.05	0.30	12.80	3.78	3.55	0.96
10.25	1.28	1.07	0.31	12.85	3.81	3.57	0.88
10.30	1.30	1.08	0.31	12.90	3.83	3.60	0.82
10.35	1.31	1.09	0.31	12.95	3.86	3.62	0.77
10.40	1.32	1.11	0.32	13.00	3.88	3.65	0.72
10.45	1.34	1.12	0.32	13.05	3.90	3.67	0.68
10.50	1.35	1.14	0.33	13.10	3.92	3.69	0.64
10.55	1.37	1.15	0.33	13.15	3.94	3.71	0.61
10.60	1.39	1.17	0.34	13.20	3.96	3.73	0.58
10.65	1.40	1.18	0.35	13.25	3.98	3.75	0.55
10.70	1.42	1.20	0.36	13.30	4.00	3.76	0.53
10.75	1.44	1.22	0.37	13.35	4.02	3.78	0.51
10.80	1.46	1.24	0.39	13.40	4.03	3.80	0.49
10.85	1.48	1.26	0.40	13.45	4.05	3.82	0.47
10.90	1.50	1.28	0.41	13.50	4.07	3.83	0.45
10.95	1.52	1.30	0.43	13.55	4.08	3.85	0.44
11.00	1.54	1.32	0.44	13.60	4.10	3.86	0.42
11.05	1.56	1.34	0.46	13.65	4.11	3.87	0.40
11.10	1.59	1.37	0.48	13.70	4.12	3.89	0.39
11.15	1.61	1.39	0.50	13.75	4.14	3.90	0.38
11.20	1.64	1.42	0.52	13.80	4.15	3.92	0.37
11.25	1.66	1.44	0.54	13.85	4.16	3.93	0.36
11.30	1.69	1.47	0.56	13.90	4.18	3.94	0.35
11.35	1.72	1.50	0.59	13.95	4.19	3.96	0.35
11.40	1.75	1.53	0.61	14.00	4.20	3.97	0.34
11.45	1.78	1.56	0.63	14.05	4.22	3.98	0.33
11.50	1.82	1.59	0.66	14.10	4.23	3.99	0.33
11.55	1.86	1.63	0.69	14.15	4.24	4.01	0.32
11.60	1.90	1.67	0.73	14.20	4.25	4.02	0.32
11.65	1.94	1.72	0.79	14.25	4.27	4.03	0.31
11.70	1.99	1.76	0.85	14.30	4.28	4.04	0.31
11.75	2.05	1.82	0.91	14.35	4.29	4.05	0.30
11.80	2.11	1.88	0.99	14.40	4.30	4.07	0.30
11.85	2.20	1.97	1.11	14.45	4.31	4.08	0.29
11.90	2.28	2.06	1.27	14.50	4.32	4.09	0.29
11.95	2.44	2.21	1.50	14.55	4.34	4.10	0.29
12.00	2.60	2.37	1.84	14.60	4.35	4.11	0.28
12.05	2.87	2.63	2.32	14.65	4.36	4.12	0.28
12.10	3.14	2.90	2.99	14.70	4.37	4.13	0.27
12.15	3.22	2.99	3.65	14.75	4.38	4.14	0.27
12.20	3.31	3.08	3.78	14.80	4.39	4.15	0.26
12.25	3.37	3.14	3.46	14.85	4.40	4.16	0.26
12.30	3.43	3.20	3.08	14.90	4.41	4.17	0.25
12.35	3.48	3.24	2.72	14.95	4.42	4.18	0.25
12.40	3.52	3.29	2.39	15.00	4.43	4.19	0.24
12.45	3.56	3.33	2.10	15.05	4.43	4.20	0.24
12.50	3.60	3.37	1.86	15.10	4.44	4.21	0.23
12.55	3.64	3.40	1.66	15.15	4.45	4.22	0.23
12.60	3.67	3.43	1.48	15.20	4.46	4.22	0.23
12.65	3.70	3.46	1.32	15.25	4.47	4.23	0.22
12.70	3.73	3.49	1.18	15.30	4.48	4.24	0.22
12.75	3.76	3.52	1.06	15.35	4.49	4.25	0.22

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	4.26	0.22	18.00	4.86	4.63	0.14
15.45	4.50	4.27	0.21	18.05	4.87	4.63	0.14
15.50	4.51	4.28	0.21	18.10	4.87	4.64	0.14
15.55	4.52	4.28	0.21	18.15	4.88	4.64	0.14
15.60	4.53	4.29	0.21	18.20	4.88	4.65	0.14
15.65	4.54	4.30	0.21	18.25	4.89	4.65	0.14
15.70	4.55	4.31	0.21	18.30	4.89	4.66	0.13
15.75	4.55	4.32	0.20	18.35	4.90	4.66	0.13
15.80	4.56	4.33	0.20	18.40	4.91	4.67	0.13
15.85	4.57	4.33	0.20	18.45	4.91	4.67	0.13
15.90	4.58	4.34	0.20	18.50	4.92	4.68	0.13
15.95	4.59	4.35	0.20	18.55	4.92	4.68	0.13
16.00	4.59	4.36	0.20	18.60	4.93	4.69	0.13
16.05	4.60	4.37	0.20	18.65	4.93	4.70	0.13
16.10	4.61	4.37	0.19	18.70	4.94	4.70	0.13
16.15	4.62	4.38	0.19	18.75	4.94	4.71	0.13
16.20	4.62	4.39	0.19	18.80	4.95	4.71	0.13
16.25	4.63	4.40	0.19	18.85	4.95	4.72	0.13
16.30	4.64	4.40	0.19	18.90	4.96	4.72	0.13
16.35	4.65	4.41	0.19	18.95	4.96	4.73	0.13
16.40	4.65	4.42	0.19	19.00	4.97	4.73	0.13
16.45	4.66	4.43	0.18	19.05	4.97	4.74	0.13
16.50	4.67	4.43	0.18	19.10	4.98	4.74	0.13
16.55	4.68	4.44	0.18	19.15	4.98	4.75	0.13
16.60	4.68	4.45	0.18	19.20	4.99	4.75	0.13
16.65	4.69	4.45	0.18	19.25	5.00	4.76	0.13
16.70	4.70	4.46	0.18	19.30	5.00	4.76	0.13
16.75	4.70	4.47	0.18	19.35	5.01	4.77	0.13
16.80	4.71	4.48	0.17	19.40	5.01	4.77	0.13
16.85	4.72	4.48	0.17	19.45	5.02	4.78	0.12
16.90	4.73	4.49	0.17	19.50	5.02	4.78	0.12
16.95	4.73	4.50	0.17	19.55	5.03	4.79	0.12
17.00	4.74	4.50	0.17	19.60	5.03	4.79	0.12
17.05	4.75	4.51	0.17	19.65	5.04	4.80	0.12
17.10	4.75	4.52	0.17	19.70	5.04	4.80	0.12
17.15	4.76	4.52	0.16	19.75	5.05	4.81	0.12
17.20	4.77	4.53	0.16	19.80	5.05	4.81	0.12
17.25	4.77	4.54	0.16	19.85	5.06	4.82	0.12
17.30	4.78	4.54	0.16	19.90	5.06	4.82	0.12
17.35	4.78	4.55	0.16	19.95	5.07	4.83	0.12
17.40	4.79	4.55	0.16	20.00	5.07	4.83	0.12
17.45	4.80	4.56	0.16	20.05	5.08	4.84	0.12
17.50	4.80	4.57	0.16	20.10	5.08	4.84	0.12
17.55	4.81	4.57	0.15	20.15	5.09	4.85	0.12
17.60	4.82	4.58	0.15	20.20	5.09	4.85	0.12
17.65	4.82	4.58	0.15	20.25	5.10	4.86	0.12
17.70	4.83	4.59	0.15	20.30	5.10	4.86	0.12
17.75	4.83	4.60	0.15	20.35	5.10	4.87	0.12
17.80	4.84	4.60	0.15	20.40	5.11	4.87	0.12
17.85	4.84	4.61	0.15	20.45	5.11	4.88	0.12
17.90	4.85	4.61	0.14	20.50	5.12	4.88	0.12
17.95	4.86	4.62	0.14	20.55	5.12	4.89	0.12

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	4.89	0.12	23.20	5.36	5.12	0.10
20.65	5.13	4.90	0.12	23.25	5.36	5.12	0.10
20.70	5.14	4.90	0.12	23.30	5.37	5.13	0.10
20.75	5.14	4.91	0.12	23.35	5.37	5.13	0.10
20.80	5.15	4.91	0.12	23.40	5.37	5.14	0.10
20.85	5.15	4.92	0.12	23.45	5.38	5.14	0.10
20.90	5.16	4.92	0.11	23.50	5.38	5.14	0.10
20.95	5.16	4.92	0.11	23.55	5.39	5.15	0.10
21.00	5.17	4.93	0.11	23.60	5.39	5.15	0.10
21.05	5.17	4.93	0.11	23.65	5.39	5.16	0.10
21.10	5.18	4.94	0.11	23.70	5.40	5.16	0.10
21.15	5.18	4.94	0.11	23.75	5.40	5.16	0.10
21.20	5.19	4.95	0.11	23.80	5.40	5.17	0.09
21.25	5.19	4.95	0.11	23.85	5.41	5.17	0.09
21.30	5.19	4.96	0.11	23.90	5.41	5.17	0.09
21.35	5.20	4.96	0.11	23.95	5.42	5.18	0.09
21.40	5.20	4.97	0.11	24.00	5.42	5.18	0.09
21.45	5.21	4.97	0.11	24.05	5.42	5.18	0.09
21.50	5.21	4.98	0.11	24.10	5.42	5.18	0.08
21.55	5.22	4.98	0.11	24.15	5.42	5.18	0.06
21.60	5.22	4.98	0.11	24.20	5.42	5.18	0.05
21.65	5.23	4.99	0.11	24.25	5.42	5.18	0.04
21.70	5.23	4.99	0.11	24.30	5.42	5.18	0.03
21.75	5.23	5.00	0.11	24.35	5.42	5.18	0.02
21.80	5.24	5.00	0.11	24.40	5.42	5.18	0.02
21.85	5.24	5.01	0.11	24.45	5.42	5.18	0.01
21.90	5.25	5.01	0.11	24.50	5.42	5.18	0.01
21.95	5.25	5.02	0.11	24.55	5.42	5.18	0.01
22.00	5.26	5.02	0.11	24.60	5.42	5.18	0.00
22.05	5.26	5.02	0.11	24.65	5.42	5.18	0.00
22.10	5.27	5.03	0.11	24.70	5.42	5.18	0.00
22.15	5.27	5.03	0.11	24.75	5.42	5.18	0.00
22.20	5.27	5.04	0.11	24.80	5.42	5.18	0.00
22.25	5.28	5.04	0.11	24.85	5.42	5.18	0.00
22.30	5.28	5.05	0.11	24.90	5.42	5.18	0.00
22.35	5.29	5.05	0.10	24.95	5.42	5.18	0.00
22.40	5.29	5.05	0.10	25.00	5.42	5.18	0.00
22.45	5.30	5.06	0.10	25.05	5.42	5.18	0.00
22.50	5.30	5.06	0.10	25.10	5.42	5.18	0.00
22.55	5.30	5.07	0.10	25.15	5.42	5.18	0.00
22.60	5.31	5.07	0.10	25.20	5.42	5.18	0.00
22.65	5.31	5.07	0.10	25.25	5.42	5.18	0.00
22.70	5.32	5.08	0.10	25.30	5.42	5.18	0.00
22.75	5.32	5.08	0.10	25.35	5.42	5.18	0.00
22.80	5.32	5.09	0.10	25.40	5.42	5.18	0.00
22.85	5.33	5.09	0.10	25.45	5.42	5.18	0.00
22.90	5.33	5.10	0.10	25.50	5.42	5.18	0.00
22.95	5.34	5.10	0.10	25.55	5.42	5.18	0.00
23.00	5.34	5.10	0.10	25.60	5.42	5.18	0.00
23.05	5.35	5.11	0.10	25.65	5.42	5.18	0.00
23.10	5.35	5.11	0.10	25.70	5.42	5.18	0.00
23.15	5.35	5.12	0.10	25.75	5.42	5.18	0.00

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	5.18	0.00	28.40	5.42	5.18	0.00
25.85	5.42	5.18	0.00	28.45	5.42	5.18	0.00
25.90	5.42	5.18	0.00	28.50	5.42	5.18	0.00
25.95	5.42	5.18	0.00	28.55	5.42	5.18	0.00
26.00	5.42	5.18	0.00	28.60	5.42	5.18	0.00
26.05	5.42	5.18	0.00	28.65	5.42	5.18	0.00
26.10	5.42	5.18	0.00	28.70	5.42	5.18	0.00
26.15	5.42	5.18	0.00	28.75	5.42	5.18	0.00
26.20	5.42	5.18	0.00	28.80	5.42	5.18	0.00
26.25	5.42	5.18	0.00	28.85	5.42	5.18	0.00
26.30	5.42	5.18	0.00	28.90	5.42	5.18	0.00
26.35	5.42	5.18	0.00	28.95	5.42	5.18	0.00
26.40	5.42	5.18	0.00	29.00	5.42	5.18	0.00
26.45	5.42	5.18	0.00	29.05	5.42	5.18	0.00
26.50	5.42	5.18	0.00	29.10	5.42	5.18	0.00
26.55	5.42	5.18	0.00	29.15	5.42	5.18	0.00
26.60	5.42	5.18	0.00	29.20	5.42	5.18	0.00
26.65	5.42	5.18	0.00	29.25	5.42	5.18	0.00
26.70	5.42	5.18	0.00	29.30	5.42	5.18	0.00
26.75	5.42	5.18	0.00	29.35	5.42	5.18	0.00
26.80	5.42	5.18	0.00	29.40	5.42	5.18	0.00
26.85	5.42	5.18	0.00	29.45	5.42	5.18	0.00
26.90	5.42	5.18	0.00	29.50	5.42	5.18	0.00
26.95	5.42	5.18	0.00	29.55	5.42	5.18	0.00
27.00	5.42	5.18	0.00	29.60	5.42	5.18	0.00
27.05	5.42	5.18	0.00	29.65	5.42	5.18	0.00
27.10	5.42	5.18	0.00	29.70	5.42	5.18	0.00
27.15	5.42	5.18	0.00	29.75	5.42	5.18	0.00
27.20	5.42	5.18	0.00	29.80	5.42	5.18	0.00
27.25	5.42	5.18	0.00	29.85	5.42	5.18	0.00
27.30	5.42	5.18	0.00	29.90	5.42	5.18	0.00
27.35	5.42	5.18	0.00	29.95	5.42	5.18	0.00
27.40	5.42	5.18	0.00	30.00	5.42	5.18	0.00
27.45	5.42	5.18	0.00				
27.50	5.42	5.18	0.00				
27.55	5.42	5.18	0.00				
27.60	5.42	5.18	0.00				
27.65	5.42	5.18	0.00				
27.70	5.42	5.18	0.00				
27.75	5.42	5.18	0.00				
27.80	5.42	5.18	0.00				
27.85	5.42	5.18	0.00				
27.90	5.42	5.18	0.00				
27.95	5.42	5.18	0.00				
28.00	5.42	5.18	0.00				
28.05	5.42	5.18	0.00				
28.10	5.42	5.18	0.00				
28.15	5.42	5.18	0.00				
28.20	5.42	5.18	0.00				
28.25	5.42	5.18	0.00				
28.30	5.42	5.18	0.00				
28.35	5.42	5.18	0.00				

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Summary for Subcatchment Basin 3 Pervious: Basin 3 - Pervious

Runoff = 0.12 cfs @ 13.62 hrs, Volume= 0.081 af, Depth= 0.29"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 3.300	39	lawn, A soils
3.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.00	0.00	7.60	0.77	0.00	0.00
5.05	0.46	0.00	0.00	7.65	0.77	0.00	0.00
5.10	0.46	0.00	0.00	7.70	0.78	0.00	0.00
5.15	0.47	0.00	0.00	7.75	0.79	0.00	0.00
5.20	0.47	0.00	0.00	7.80	0.80	0.00	0.00
5.25	0.48	0.00	0.00	7.85	0.80	0.00	0.00
5.30	0.48	0.00	0.00	7.90	0.81	0.00	0.00
5.35	0.49	0.00	0.00	7.95	0.82	0.00	0.00
5.40	0.49	0.00	0.00	8.00	0.83	0.00	0.00
5.45	0.50	0.00	0.00	8.05	0.83	0.00	0.00
5.50	0.50	0.00	0.00	8.10	0.84	0.00	0.00
5.55	0.51	0.00	0.00	8.15	0.85	0.00	0.00
5.60	0.51	0.00	0.00	8.20	0.86	0.00	0.00
5.65	0.52	0.00	0.00	8.25	0.87	0.00	0.00
5.70	0.53	0.00	0.00	8.30	0.87	0.00	0.00
5.75	0.53	0.00	0.00	8.35	0.88	0.00	0.00
5.80	0.54	0.00	0.00	8.40	0.89	0.00	0.00
5.85	0.54	0.00	0.00	8.45	0.90	0.00	0.00
5.90	0.55	0.00	0.00	8.50	0.91	0.00	0.00
5.95	0.55	0.00	0.00	8.55	0.92	0.00	0.00
6.00	0.56	0.00	0.00	8.60	0.92	0.00	0.00
6.05	0.56	0.00	0.00	8.65	0.93	0.00	0.00
6.10	0.57	0.00	0.00	8.70	0.94	0.00	0.00
6.15	0.58	0.00	0.00	8.75	0.95	0.00	0.00
6.20	0.58	0.00	0.00	8.80	0.96	0.00	0.00
6.25	0.59	0.00	0.00	8.85	0.97	0.00	0.00
6.30	0.59	0.00	0.00	8.90	0.98	0.00	0.00
6.35	0.60	0.00	0.00	8.95	0.99	0.00	0.00
6.40	0.60	0.00	0.00	9.00	0.99	0.00	0.00
6.45	0.61	0.00	0.00	9.05	1.00	0.00	0.00
6.50	0.62	0.00	0.00	9.10	1.01	0.00	0.00
6.55	0.62	0.00	0.00	9.15	1.02	0.00	0.00
6.60	0.63	0.00	0.00	9.20	1.03	0.00	0.00
6.65	0.64	0.00	0.00	9.25	1.04	0.00	0.00
6.70	0.64	0.00	0.00	9.30	1.05	0.00	0.00
6.75	0.65	0.00	0.00	9.35	1.06	0.00	0.00
6.80	0.65	0.00	0.00	9.40	1.07	0.00	0.00
6.85	0.66	0.00	0.00	9.45	1.08	0.00	0.00
6.90	0.67	0.00	0.00	9.50	1.10	0.00	0.00
6.95	0.67	0.00	0.00	9.55	1.11	0.00	0.00
7.00	0.68	0.00	0.00	9.60	1.12	0.00	0.00
7.05	0.69	0.00	0.00	9.65	1.13	0.00	0.00
7.10	0.69	0.00	0.00	9.70	1.14	0.00	0.00
7.15	0.70	0.00	0.00	9.75	1.15	0.00	0.00
7.20	0.71	0.00	0.00	9.80	1.17	0.00	0.00
7.25	0.72	0.00	0.00	9.85	1.18	0.00	0.00
7.30	0.72	0.00	0.00	9.90	1.19	0.00	0.00
7.35	0.73	0.00	0.00	9.95	1.20	0.00	0.00
7.40	0.74	0.00	0.00	10.00	1.22	0.00	0.00
7.45	0.74	0.00	0.00	10.05	1.23	0.00	0.00
7.50	0.75	0.00	0.00	10.10	1.24	0.00	0.00
7.55	0.76	0.00	0.00	10.15	1.26	0.00	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	0.00	0.00	12.80	3.78	0.03	0.08
10.25	1.28	0.00	0.00	12.85	3.81	0.03	0.08
10.30	1.30	0.00	0.00	12.90	3.83	0.03	0.09
10.35	1.31	0.00	0.00	12.95	3.86	0.03	0.09
10.40	1.32	0.00	0.00	13.00	3.88	0.03	0.10
10.45	1.34	0.00	0.00	13.05	3.90	0.04	0.10
10.50	1.35	0.00	0.00	13.10	3.92	0.04	0.10
10.55	1.37	0.00	0.00	13.15	3.94	0.04	0.11
10.60	1.39	0.00	0.00	13.20	3.96	0.04	0.11
10.65	1.40	0.00	0.00	13.25	3.98	0.04	0.11
10.70	1.42	0.00	0.00	13.30	4.00	0.05	0.11
10.75	1.44	0.00	0.00	13.35	4.02	0.05	0.11
10.80	1.46	0.00	0.00	13.40	4.03	0.05	0.12
10.85	1.48	0.00	0.00	13.45	4.05	0.05	0.12
10.90	1.50	0.00	0.00	13.50	4.07	0.05	0.12
10.95	1.52	0.00	0.00	13.55	4.08	0.05	0.12
11.00	1.54	0.00	0.00	13.60	4.10	0.06	0.12
11.05	1.56	0.00	0.00	13.65	4.11	0.06	0.12
11.10	1.59	0.00	0.00	13.70	4.12	0.06	0.12
11.15	1.61	0.00	0.00	13.75	4.14	0.06	0.12
11.20	1.64	0.00	0.00	13.80	4.15	0.06	0.12
11.25	1.66	0.00	0.00	13.85	4.16	0.06	0.12
11.30	1.69	0.00	0.00	13.90	4.18	0.07	0.12
11.35	1.72	0.00	0.00	13.95	4.19	0.07	0.12
11.40	1.75	0.00	0.00	14.00	4.20	0.07	0.12
11.45	1.78	0.00	0.00	14.05	4.22	0.07	0.11
11.50	1.82	0.00	0.00	14.10	4.23	0.07	0.11
11.55	1.86	0.00	0.00	14.15	4.24	0.07	0.11
11.60	1.90	0.00	0.00	14.20	4.25	0.08	0.11
11.65	1.94	0.00	0.00	14.25	4.27	0.08	0.11
11.70	1.99	0.00	0.00	14.30	4.28	0.08	0.11
11.75	2.05	0.00	0.00	14.35	4.29	0.08	0.11
11.80	2.11	0.00	0.00	14.40	4.30	0.08	0.11
11.85	2.20	0.00	0.00	14.45	4.31	0.08	0.11
11.90	2.28	0.00	0.00	14.50	4.32	0.08	0.11
11.95	2.44	0.00	0.00	14.55	4.34	0.09	0.11
12.00	2.60	0.00	0.00	14.60	4.35	0.09	0.11
12.05	2.87	0.00	0.00	14.65	4.36	0.09	0.11
12.10	3.14	0.00	0.00	14.70	4.37	0.09	0.11
12.15	3.22	0.00	0.00	14.75	4.38	0.09	0.11
12.20	3.31	0.00	0.00	14.80	4.39	0.09	0.11
12.25	3.37	0.00	0.00	14.85	4.40	0.10	0.11
12.30	3.43	0.01	0.00	14.90	4.41	0.10	0.10
12.35	3.48	0.01	0.01	14.95	4.42	0.10	0.10
12.40	3.52	0.01	0.01	15.00	4.43	0.10	0.10
12.45	3.56	0.01	0.02	15.05	4.43	0.10	0.10
12.50	3.60	0.01	0.03	15.10	4.44	0.10	0.10
12.55	3.64	0.02	0.04	15.15	4.45	0.10	0.10
12.60	3.67	0.02	0.05	15.20	4.46	0.10	0.10
12.65	3.70	0.02	0.06	15.25	4.47	0.11	0.10
12.70	3.73	0.02	0.06	15.30	4.48	0.11	0.10
12.75	3.76	0.02	0.07	15.35	4.49	0.11	0.10

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	0.11	0.10	18.00	4.86	0.17	0.08
15.45	4.50	0.11	0.10	18.05	4.87	0.17	0.08
15.50	4.51	0.11	0.09	18.10	4.87	0.18	0.08
15.55	4.52	0.11	0.09	18.15	4.88	0.18	0.08
15.60	4.53	0.12	0.09	18.20	4.88	0.18	0.07
15.65	4.54	0.12	0.09	18.25	4.89	0.18	0.07
15.70	4.55	0.12	0.09	18.30	4.89	0.18	0.07
15.75	4.55	0.12	0.09	18.35	4.90	0.18	0.07
15.80	4.56	0.12	0.09	18.40	4.91	0.18	0.07
15.85	4.57	0.12	0.09	18.45	4.91	0.18	0.07
15.90	4.58	0.12	0.09	18.50	4.92	0.18	0.07
15.95	4.59	0.12	0.09	18.55	4.92	0.18	0.07
16.00	4.59	0.13	0.09	18.60	4.93	0.19	0.07
16.05	4.60	0.13	0.09	18.65	4.93	0.19	0.07
16.10	4.61	0.13	0.09	18.70	4.94	0.19	0.07
16.15	4.62	0.13	0.09	18.75	4.94	0.19	0.07
16.20	4.62	0.13	0.09	18.80	4.95	0.19	0.07
16.25	4.63	0.13	0.09	18.85	4.95	0.19	0.07
16.30	4.64	0.13	0.09	18.90	4.96	0.19	0.07
16.35	4.65	0.13	0.09	18.95	4.96	0.19	0.07
16.40	4.65	0.14	0.09	19.00	4.97	0.19	0.07
16.45	4.66	0.14	0.09	19.05	4.97	0.19	0.07
16.50	4.67	0.14	0.09	19.10	4.98	0.20	0.07
16.55	4.68	0.14	0.09	19.15	4.98	0.20	0.07
16.60	4.68	0.14	0.09	19.20	4.99	0.20	0.07
16.65	4.69	0.14	0.09	19.25	5.00	0.20	0.07
16.70	4.70	0.14	0.09	19.30	5.00	0.20	0.07
16.75	4.70	0.14	0.09	19.35	5.01	0.20	0.07
16.80	4.71	0.15	0.09	19.40	5.01	0.20	0.07
16.85	4.72	0.15	0.08	19.45	5.02	0.20	0.07
16.90	4.73	0.15	0.08	19.50	5.02	0.20	0.07
16.95	4.73	0.15	0.08	19.55	5.03	0.21	0.07
17.00	4.74	0.15	0.08	19.60	5.03	0.21	0.07
17.05	4.75	0.15	0.08	19.65	5.04	0.21	0.07
17.10	4.75	0.15	0.08	19.70	5.04	0.21	0.07
17.15	4.76	0.15	0.08	19.75	5.05	0.21	0.07
17.20	4.77	0.16	0.08	19.80	5.05	0.21	0.07
17.25	4.77	0.16	0.08	19.85	5.06	0.21	0.07
17.30	4.78	0.16	0.08	19.90	5.06	0.21	0.07
17.35	4.78	0.16	0.08	19.95	5.07	0.21	0.07
17.40	4.79	0.16	0.08	20.00	5.07	0.21	0.07
17.45	4.80	0.16	0.08	20.05	5.08	0.22	0.07
17.50	4.80	0.16	0.08	20.10	5.08	0.22	0.07
17.55	4.81	0.16	0.08	20.15	5.09	0.22	0.07
17.60	4.82	0.16	0.08	20.20	5.09	0.22	0.07
17.65	4.82	0.17	0.08	20.25	5.10	0.22	0.07
17.70	4.83	0.17	0.08	20.30	5.10	0.22	0.07
17.75	4.83	0.17	0.08	20.35	5.10	0.22	0.07
17.80	4.84	0.17	0.08	20.40	5.11	0.22	0.07
17.85	4.84	0.17	0.08	20.45	5.11	0.22	0.07
17.90	4.85	0.17	0.08	20.50	5.12	0.22	0.07
17.95	4.86	0.17	0.08	20.55	5.12	0.23	0.07

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	0.23	0.07	23.20	5.36	0.28	0.06
20.65	5.13	0.23	0.07	23.25	5.36	0.28	0.06
20.70	5.14	0.23	0.07	23.30	5.37	0.28	0.06
20.75	5.14	0.23	0.07	23.35	5.37	0.28	0.06
20.80	5.15	0.23	0.07	23.40	5.37	0.28	0.06
20.85	5.15	0.23	0.07	23.45	5.38	0.28	0.06
20.90	5.16	0.23	0.07	23.50	5.38	0.28	0.06
20.95	5.16	0.23	0.07	23.55	5.39	0.28	0.06
21.00	5.17	0.24	0.07	23.60	5.39	0.29	0.06
21.05	5.17	0.24	0.07	23.65	5.39	0.29	0.06
21.10	5.18	0.24	0.07	23.70	5.40	0.29	0.06
21.15	5.18	0.24	0.07	23.75	5.40	0.29	0.06
21.20	5.19	0.24	0.07	23.80	5.40	0.29	0.06
21.25	5.19	0.24	0.07	23.85	5.41	0.29	0.06
21.30	5.19	0.24	0.07	23.90	5.41	0.29	0.06
21.35	5.20	0.24	0.07	23.95	5.42	0.29	0.06
21.40	5.20	0.24	0.07	24.00	5.42	0.29	0.06
21.45	5.21	0.24	0.07	24.05	5.42	0.29	0.06
21.50	5.21	0.25	0.07	24.10	5.42	0.29	0.06
21.55	5.22	0.25	0.07	24.15	5.42	0.29	0.06
21.60	5.22	0.25	0.07	24.20	5.42	0.29	0.06
21.65	5.23	0.25	0.07	24.25	5.42	0.29	0.06
21.70	5.23	0.25	0.07	24.30	5.42	0.29	0.05
21.75	5.23	0.25	0.07	24.35	5.42	0.29	0.05
21.80	5.24	0.25	0.07	24.40	5.42	0.29	0.04
21.85	5.24	0.25	0.07	24.45	5.42	0.29	0.04
21.90	5.25	0.25	0.07	24.50	5.42	0.29	0.04
21.95	5.25	0.25	0.07	24.55	5.42	0.29	0.03
22.00	5.26	0.25	0.07	24.60	5.42	0.29	0.03
22.05	5.26	0.26	0.07	24.65	5.42	0.29	0.03
22.10	5.27	0.26	0.07	24.70	5.42	0.29	0.02
22.15	5.27	0.26	0.07	24.75	5.42	0.29	0.02
22.20	5.27	0.26	0.07	24.80	5.42	0.29	0.02
22.25	5.28	0.26	0.07	24.85	5.42	0.29	0.02
22.30	5.28	0.26	0.07	24.90	5.42	0.29	0.02
22.35	5.29	0.26	0.07	24.95	5.42	0.29	0.01
22.40	5.29	0.26	0.07	25.00	5.42	0.29	0.01
22.45	5.30	0.26	0.07	25.05	5.42	0.29	0.01
22.50	5.30	0.26	0.07	25.10	5.42	0.29	0.01
22.55	5.30	0.27	0.07	25.15	5.42	0.29	0.01
22.60	5.31	0.27	0.07	25.20	5.42	0.29	0.01
22.65	5.31	0.27	0.07	25.25	5.42	0.29	0.01
22.70	5.32	0.27	0.07	25.30	5.42	0.29	0.01
22.75	5.32	0.27	0.07	25.35	5.42	0.29	0.01
22.80	5.32	0.27	0.07	25.40	5.42	0.29	0.01
22.85	5.33	0.27	0.07	25.45	5.42	0.29	0.01
22.90	5.33	0.27	0.06	25.50	5.42	0.29	0.00
22.95	5.34	0.27	0.06	25.55	5.42	0.29	0.00
23.00	5.34	0.27	0.06	25.60	5.42	0.29	0.00
23.05	5.35	0.28	0.06	25.65	5.42	0.29	0.00
23.10	5.35	0.28	0.06	25.70	5.42	0.29	0.00
23.15	5.35	0.28	0.06	25.75	5.42	0.29	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	0.29	0.00	28.40	5.42	0.29	0.00
25.85	5.42	0.29	0.00	28.45	5.42	0.29	0.00
25.90	5.42	0.29	0.00	28.50	5.42	0.29	0.00
25.95	5.42	0.29	0.00	28.55	5.42	0.29	0.00
26.00	5.42	0.29	0.00	28.60	5.42	0.29	0.00
26.05	5.42	0.29	0.00	28.65	5.42	0.29	0.00
26.10	5.42	0.29	0.00	28.70	5.42	0.29	0.00
26.15	5.42	0.29	0.00	28.75	5.42	0.29	0.00
26.20	5.42	0.29	0.00	28.80	5.42	0.29	0.00
26.25	5.42	0.29	0.00	28.85	5.42	0.29	0.00
26.30	5.42	0.29	0.00	28.90	5.42	0.29	0.00
26.35	5.42	0.29	0.00	28.95	5.42	0.29	0.00
26.40	5.42	0.29	0.00	29.00	5.42	0.29	0.00
26.45	5.42	0.29	0.00	29.05	5.42	0.29	0.00
26.50	5.42	0.29	0.00	29.10	5.42	0.29	0.00
26.55	5.42	0.29	0.00	29.15	5.42	0.29	0.00
26.60	5.42	0.29	0.00	29.20	5.42	0.29	0.00
26.65	5.42	0.29	0.00	29.25	5.42	0.29	0.00
26.70	5.42	0.29	0.00	29.30	5.42	0.29	0.00
26.75	5.42	0.29	0.00	29.35	5.42	0.29	0.00
26.80	5.42	0.29	0.00	29.40	5.42	0.29	0.00
26.85	5.42	0.29	0.00	29.45	5.42	0.29	0.00
26.90	5.42	0.29	0.00	29.50	5.42	0.29	0.00
26.95	5.42	0.29	0.00	29.55	5.42	0.29	0.00
27.00	5.42	0.29	0.00	29.60	5.42	0.29	0.00
27.05	5.42	0.29	0.00	29.65	5.42	0.29	0.00
27.10	5.42	0.29	0.00	29.70	5.42	0.29	0.00
27.15	5.42	0.29	0.00	29.75	5.42	0.29	0.00
27.20	5.42	0.29	0.00	29.80	5.42	0.29	0.00
27.25	5.42	0.29	0.00	29.85	5.42	0.29	0.00
27.30	5.42	0.29	0.00	29.90	5.42	0.29	0.00
27.35	5.42	0.29	0.00	29.95	5.42	0.29	0.00
27.40	5.42	0.29	0.00	30.00	5.42	0.29	0.00
27.45	5.42	0.29	0.00				
27.50	5.42	0.29	0.00				
27.55	5.42	0.29	0.00				
27.60	5.42	0.29	0.00				
27.65	5.42	0.29	0.00				
27.70	5.42	0.29	0.00				
27.75	5.42	0.29	0.00				
27.80	5.42	0.29	0.00				
27.85	5.42	0.29	0.00				
27.90	5.42	0.29	0.00				
27.95	5.42	0.29	0.00				
28.00	5.42	0.29	0.00				
28.05	5.42	0.29	0.00				
28.10	5.42	0.29	0.00				
28.15	5.42	0.29	0.00				
28.20	5.42	0.29	0.00				
28.25	5.42	0.29	0.00				
28.30	5.42	0.29	0.00				
28.35	5.42	0.29	0.00				

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Summary for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious

Runoff = 0.12 cfs @ 13.30 hrs, Volume= 0.076 af, Depth= 0.29"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D 10 year Rainfall=5.42"

Area (ac)	CN	Description
* 3.000	39	Lawn. A Soils
* 0.100	30	Woods A soils
3.100	39	Weighted Average
3.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	640	0.0100	1.61		Shallow Concentrated Flow, shallow concentrated Unpaved Kv= 16.1 fps
10.7	800	0.0060	1.25		Shallow Concentrated Flow, shallow concentrated Unpaved Kv= 16.1 fps
17.3	1,440	Total			

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.00	0.00	7.60	0.77	0.00	0.00
5.05	0.46	0.00	0.00	7.65	0.77	0.00	0.00
5.10	0.46	0.00	0.00	7.70	0.78	0.00	0.00
5.15	0.47	0.00	0.00	7.75	0.79	0.00	0.00
5.20	0.47	0.00	0.00	7.80	0.80	0.00	0.00
5.25	0.48	0.00	0.00	7.85	0.80	0.00	0.00
5.30	0.48	0.00	0.00	7.90	0.81	0.00	0.00
5.35	0.49	0.00	0.00	7.95	0.82	0.00	0.00
5.40	0.49	0.00	0.00	8.00	0.83	0.00	0.00
5.45	0.50	0.00	0.00	8.05	0.83	0.00	0.00
5.50	0.50	0.00	0.00	8.10	0.84	0.00	0.00
5.55	0.51	0.00	0.00	8.15	0.85	0.00	0.00
5.60	0.51	0.00	0.00	8.20	0.86	0.00	0.00
5.65	0.52	0.00	0.00	8.25	0.87	0.00	0.00
5.70	0.53	0.00	0.00	8.30	0.87	0.00	0.00
5.75	0.53	0.00	0.00	8.35	0.88	0.00	0.00
5.80	0.54	0.00	0.00	8.40	0.89	0.00	0.00
5.85	0.54	0.00	0.00	8.45	0.90	0.00	0.00
5.90	0.55	0.00	0.00	8.50	0.91	0.00	0.00
5.95	0.55	0.00	0.00	8.55	0.92	0.00	0.00
6.00	0.56	0.00	0.00	8.60	0.92	0.00	0.00
6.05	0.56	0.00	0.00	8.65	0.93	0.00	0.00
6.10	0.57	0.00	0.00	8.70	0.94	0.00	0.00
6.15	0.58	0.00	0.00	8.75	0.95	0.00	0.00
6.20	0.58	0.00	0.00	8.80	0.96	0.00	0.00
6.25	0.59	0.00	0.00	8.85	0.97	0.00	0.00
6.30	0.59	0.00	0.00	8.90	0.98	0.00	0.00
6.35	0.60	0.00	0.00	8.95	0.99	0.00	0.00
6.40	0.60	0.00	0.00	9.00	0.99	0.00	0.00
6.45	0.61	0.00	0.00	9.05	1.00	0.00	0.00
6.50	0.62	0.00	0.00	9.10	1.01	0.00	0.00
6.55	0.62	0.00	0.00	9.15	1.02	0.00	0.00
6.60	0.63	0.00	0.00	9.20	1.03	0.00	0.00
6.65	0.64	0.00	0.00	9.25	1.04	0.00	0.00
6.70	0.64	0.00	0.00	9.30	1.05	0.00	0.00
6.75	0.65	0.00	0.00	9.35	1.06	0.00	0.00
6.80	0.65	0.00	0.00	9.40	1.07	0.00	0.00
6.85	0.66	0.00	0.00	9.45	1.08	0.00	0.00
6.90	0.67	0.00	0.00	9.50	1.10	0.00	0.00
6.95	0.67	0.00	0.00	9.55	1.11	0.00	0.00
7.00	0.68	0.00	0.00	9.60	1.12	0.00	0.00
7.05	0.69	0.00	0.00	9.65	1.13	0.00	0.00
7.10	0.69	0.00	0.00	9.70	1.14	0.00	0.00
7.15	0.70	0.00	0.00	9.75	1.15	0.00	0.00
7.20	0.71	0.00	0.00	9.80	1.17	0.00	0.00
7.25	0.72	0.00	0.00	9.85	1.18	0.00	0.00
7.30	0.72	0.00	0.00	9.90	1.19	0.00	0.00
7.35	0.73	0.00	0.00	9.95	1.20	0.00	0.00
7.40	0.74	0.00	0.00	10.00	1.22	0.00	0.00
7.45	0.74	0.00	0.00	10.05	1.23	0.00	0.00
7.50	0.75	0.00	0.00	10.10	1.24	0.00	0.00
7.55	0.76	0.00	0.00	10.15	1.26	0.00	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	0.00	0.00	12.80	3.78	0.03	0.10
10.25	1.28	0.00	0.00	12.85	3.81	0.03	0.11
10.30	1.30	0.00	0.00	12.90	3.83	0.03	0.11
10.35	1.31	0.00	0.00	12.95	3.86	0.03	0.11
10.40	1.32	0.00	0.00	13.00	3.88	0.03	0.11
10.45	1.34	0.00	0.00	13.05	3.90	0.04	0.12
10.50	1.35	0.00	0.00	13.10	3.92	0.04	0.12
10.55	1.37	0.00	0.00	13.15	3.94	0.04	0.12
10.60	1.39	0.00	0.00	13.20	3.96	0.04	0.12
10.65	1.40	0.00	0.00	13.25	3.98	0.04	0.12
10.70	1.42	0.00	0.00	13.30	4.00	0.05	0.12
10.75	1.44	0.00	0.00	13.35	4.02	0.05	0.12
10.80	1.46	0.00	0.00	13.40	4.03	0.05	0.12
10.85	1.48	0.00	0.00	13.45	4.05	0.05	0.12
10.90	1.50	0.00	0.00	13.50	4.07	0.05	0.12
10.95	1.52	0.00	0.00	13.55	4.08	0.05	0.12
11.00	1.54	0.00	0.00	13.60	4.10	0.06	0.12
11.05	1.56	0.00	0.00	13.65	4.11	0.06	0.11
11.10	1.59	0.00	0.00	13.70	4.12	0.06	0.11
11.15	1.61	0.00	0.00	13.75	4.14	0.06	0.11
11.20	1.64	0.00	0.00	13.80	4.15	0.06	0.11
11.25	1.66	0.00	0.00	13.85	4.16	0.06	0.11
11.30	1.69	0.00	0.00	13.90	4.18	0.07	0.11
11.35	1.72	0.00	0.00	13.95	4.19	0.07	0.11
11.40	1.75	0.00	0.00	14.00	4.20	0.07	0.11
11.45	1.78	0.00	0.00	14.05	4.22	0.07	0.11
11.50	1.82	0.00	0.00	14.10	4.23	0.07	0.11
11.55	1.86	0.00	0.00	14.15	4.24	0.07	0.10
11.60	1.90	0.00	0.00	14.20	4.25	0.08	0.10
11.65	1.94	0.00	0.00	14.25	4.27	0.08	0.10
11.70	1.99	0.00	0.00	14.30	4.28	0.08	0.10
11.75	2.05	0.00	0.00	14.35	4.29	0.08	0.10
11.80	2.11	0.00	0.00	14.40	4.30	0.08	0.10
11.85	2.20	0.00	0.00	14.45	4.31	0.08	0.10
11.90	2.28	0.00	0.00	14.50	4.32	0.08	0.10
11.95	2.44	0.00	0.00	14.55	4.34	0.09	0.10
12.00	2.60	0.00	0.00	14.60	4.35	0.09	0.10
12.05	2.87	0.00	0.00	14.65	4.36	0.09	0.10
12.10	3.14	0.00	0.00	14.70	4.37	0.09	0.10
12.15	3.22	0.00	0.00	14.75	4.38	0.09	0.10
12.20	3.31	0.00	0.00	14.80	4.39	0.09	0.10
12.25	3.37	0.00	0.00	14.85	4.40	0.10	0.10
12.30	3.43	0.01	0.01	14.90	4.41	0.10	0.09
12.35	3.48	0.01	0.02	14.95	4.42	0.10	0.09
12.40	3.52	0.01	0.04	15.00	4.43	0.10	0.09
12.45	3.56	0.01	0.05	15.05	4.43	0.10	0.09
12.50	3.60	0.01	0.06	15.10	4.44	0.10	0.09
12.55	3.64	0.02	0.07	15.15	4.45	0.10	0.09
12.60	3.67	0.02	0.08	15.20	4.46	0.10	0.09
12.65	3.70	0.02	0.08	15.25	4.47	0.11	0.09
12.70	3.73	0.02	0.09	15.30	4.48	0.11	0.09
12.75	3.76	0.02	0.10	15.35	4.49	0.11	0.09

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	0.11	0.09	18.00	4.86	0.17	0.07
15.45	4.50	0.11	0.09	18.05	4.87	0.17	0.07
15.50	4.51	0.11	0.09	18.10	4.87	0.18	0.07
15.55	4.52	0.11	0.08	18.15	4.88	0.18	0.07
15.60	4.53	0.12	0.08	18.20	4.88	0.18	0.07
15.65	4.54	0.12	0.08	18.25	4.89	0.18	0.07
15.70	4.55	0.12	0.08	18.30	4.89	0.18	0.07
15.75	4.55	0.12	0.08	18.35	4.90	0.18	0.07
15.80	4.56	0.12	0.08	18.40	4.91	0.18	0.07
15.85	4.57	0.12	0.08	18.45	4.91	0.18	0.07
15.90	4.58	0.12	0.08	18.50	4.92	0.18	0.07
15.95	4.59	0.12	0.08	18.55	4.92	0.18	0.07
16.00	4.59	0.13	0.08	18.60	4.93	0.19	0.07
16.05	4.60	0.13	0.08	18.65	4.93	0.19	0.07
16.10	4.61	0.13	0.08	18.70	4.94	0.19	0.07
16.15	4.62	0.13	0.08	18.75	4.94	0.19	0.07
16.20	4.62	0.13	0.08	18.80	4.95	0.19	0.07
16.25	4.63	0.13	0.08	18.85	4.95	0.19	0.07
16.30	4.64	0.13	0.08	18.90	4.96	0.19	0.07
16.35	4.65	0.13	0.08	18.95	4.96	0.19	0.07
16.40	4.65	0.14	0.08	19.00	4.97	0.19	0.07
16.45	4.66	0.14	0.08	19.05	4.97	0.19	0.07
16.50	4.67	0.14	0.08	19.10	4.98	0.20	0.07
16.55	4.68	0.14	0.08	19.15	4.98	0.20	0.07
16.60	4.68	0.14	0.08	19.20	4.99	0.20	0.07
16.65	4.69	0.14	0.08	19.25	5.00	0.20	0.07
16.70	4.70	0.14	0.08	19.30	5.00	0.20	0.07
16.75	4.70	0.14	0.08	19.35	5.01	0.20	0.07
16.80	4.71	0.15	0.08	19.40	5.01	0.20	0.07
16.85	4.72	0.15	0.08	19.45	5.02	0.20	0.07
16.90	4.73	0.15	0.08	19.50	5.02	0.20	0.07
16.95	4.73	0.15	0.08	19.55	5.03	0.21	0.07
17.00	4.74	0.15	0.08	19.60	5.03	0.21	0.07
17.05	4.75	0.15	0.08	19.65	5.04	0.21	0.07
17.10	4.75	0.15	0.08	19.70	5.04	0.21	0.06
17.15	4.76	0.15	0.08	19.75	5.05	0.21	0.06
17.20	4.77	0.16	0.08	19.80	5.05	0.21	0.06
17.25	4.77	0.16	0.08	19.85	5.06	0.21	0.06
17.30	4.78	0.16	0.08	19.90	5.06	0.21	0.06
17.35	4.78	0.16	0.08	19.95	5.07	0.21	0.06
17.40	4.79	0.16	0.07	20.00	5.07	0.21	0.06
17.45	4.80	0.16	0.07	20.05	5.08	0.22	0.06
17.50	4.80	0.16	0.07	20.10	5.08	0.22	0.06
17.55	4.81	0.16	0.07	20.15	5.09	0.22	0.06
17.60	4.82	0.16	0.07	20.20	5.09	0.22	0.06
17.65	4.82	0.17	0.07	20.25	5.10	0.22	0.06
17.70	4.83	0.17	0.07	20.30	5.10	0.22	0.06
17.75	4.83	0.17	0.07	20.35	5.10	0.22	0.06
17.80	4.84	0.17	0.07	20.40	5.11	0.22	0.06
17.85	4.84	0.17	0.07	20.45	5.11	0.22	0.06
17.90	4.85	0.17	0.07	20.50	5.12	0.22	0.06
17.95	4.86	0.17	0.07	20.55	5.12	0.23	0.06

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	0.23	0.06	23.20	5.36	0.28	0.06
20.65	5.13	0.23	0.06	23.25	5.36	0.28	0.06
20.70	5.14	0.23	0.06	23.30	5.37	0.28	0.06
20.75	5.14	0.23	0.06	23.35	5.37	0.28	0.06
20.80	5.15	0.23	0.06	23.40	5.37	0.28	0.06
20.85	5.15	0.23	0.06	23.45	5.38	0.28	0.06
20.90	5.16	0.23	0.06	23.50	5.38	0.28	0.06
20.95	5.16	0.23	0.06	23.55	5.39	0.28	0.06
21.00	5.17	0.24	0.06	23.60	5.39	0.29	0.06
21.05	5.17	0.24	0.06	23.65	5.39	0.29	0.06
21.10	5.18	0.24	0.06	23.70	5.40	0.29	0.06
21.15	5.18	0.24	0.06	23.75	5.40	0.29	0.06
21.20	5.19	0.24	0.06	23.80	5.40	0.29	0.06
21.25	5.19	0.24	0.06	23.85	5.41	0.29	0.06
21.30	5.19	0.24	0.06	23.90	5.41	0.29	0.06
21.35	5.20	0.24	0.06	23.95	5.42	0.29	0.06
21.40	5.20	0.24	0.06	24.00	5.42	0.29	0.06
21.45	5.21	0.24	0.06	24.05	5.42	0.29	0.06
21.50	5.21	0.25	0.06	24.10	5.42	0.29	0.06
21.55	5.22	0.25	0.06	24.15	5.42	0.29	0.05
21.60	5.22	0.25	0.06	24.20	5.42	0.29	0.05
21.65	5.23	0.25	0.06	24.25	5.42	0.29	0.04
21.70	5.23	0.25	0.06	24.30	5.42	0.29	0.03
21.75	5.23	0.25	0.06	24.35	5.42	0.29	0.03
21.80	5.24	0.25	0.06	24.40	5.42	0.29	0.03
21.85	5.24	0.25	0.06	24.45	5.42	0.29	0.02
21.90	5.25	0.25	0.06	24.50	5.42	0.29	0.02
21.95	5.25	0.25	0.06	24.55	5.42	0.29	0.02
22.00	5.26	0.25	0.06	24.60	5.42	0.29	0.01
22.05	5.26	0.26	0.06	24.65	5.42	0.29	0.01
22.10	5.27	0.26	0.06	24.70	5.42	0.29	0.01
22.15	5.27	0.26	0.06	24.75	5.42	0.29	0.01
22.20	5.27	0.26	0.06	24.80	5.42	0.29	0.01
22.25	5.28	0.26	0.06	24.85	5.42	0.29	0.01
22.30	5.28	0.26	0.06	24.90	5.42	0.29	0.01
22.35	5.29	0.26	0.06	24.95	5.42	0.29	0.00
22.40	5.29	0.26	0.06	25.00	5.42	0.29	0.00
22.45	5.30	0.26	0.06	25.05	5.42	0.29	0.00
22.50	5.30	0.26	0.06	25.10	5.42	0.29	0.00
22.55	5.30	0.27	0.06	25.15	5.42	0.29	0.00
22.60	5.31	0.27	0.06	25.20	5.42	0.29	0.00
22.65	5.31	0.27	0.06	25.25	5.42	0.29	0.00
22.70	5.32	0.27	0.06	25.30	5.42	0.29	0.00
22.75	5.32	0.27	0.06	25.35	5.42	0.29	0.00
22.80	5.32	0.27	0.06	25.40	5.42	0.29	0.00
22.85	5.33	0.27	0.06	25.45	5.42	0.29	0.00
22.90	5.33	0.27	0.06	25.50	5.42	0.29	0.00
22.95	5.34	0.27	0.06	25.55	5.42	0.29	0.00
23.00	5.34	0.27	0.06	25.60	5.42	0.29	0.00
23.05	5.35	0.28	0.06	25.65	5.42	0.29	0.00
23.10	5.35	0.28	0.06	25.70	5.42	0.29	0.00
23.15	5.35	0.28	0.06	25.75	5.42	0.29	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	0.29	0.00	28.40	5.42	0.29	0.00
25.85	5.42	0.29	0.00	28.45	5.42	0.29	0.00
25.90	5.42	0.29	0.00	28.50	5.42	0.29	0.00
25.95	5.42	0.29	0.00	28.55	5.42	0.29	0.00
26.00	5.42	0.29	0.00	28.60	5.42	0.29	0.00
26.05	5.42	0.29	0.00	28.65	5.42	0.29	0.00
26.10	5.42	0.29	0.00	28.70	5.42	0.29	0.00
26.15	5.42	0.29	0.00	28.75	5.42	0.29	0.00
26.20	5.42	0.29	0.00	28.80	5.42	0.29	0.00
26.25	5.42	0.29	0.00	28.85	5.42	0.29	0.00
26.30	5.42	0.29	0.00	28.90	5.42	0.29	0.00
26.35	5.42	0.29	0.00	28.95	5.42	0.29	0.00
26.40	5.42	0.29	0.00	29.00	5.42	0.29	0.00
26.45	5.42	0.29	0.00	29.05	5.42	0.29	0.00
26.50	5.42	0.29	0.00	29.10	5.42	0.29	0.00
26.55	5.42	0.29	0.00	29.15	5.42	0.29	0.00
26.60	5.42	0.29	0.00	29.20	5.42	0.29	0.00
26.65	5.42	0.29	0.00	29.25	5.42	0.29	0.00
26.70	5.42	0.29	0.00	29.30	5.42	0.29	0.00
26.75	5.42	0.29	0.00	29.35	5.42	0.29	0.00
26.80	5.42	0.29	0.00	29.40	5.42	0.29	0.00
26.85	5.42	0.29	0.00	29.45	5.42	0.29	0.00
26.90	5.42	0.29	0.00	29.50	5.42	0.29	0.00
26.95	5.42	0.29	0.00	29.55	5.42	0.29	0.00
27.00	5.42	0.29	0.00	29.60	5.42	0.29	0.00
27.05	5.42	0.29	0.00	29.65	5.42	0.29	0.00
27.10	5.42	0.29	0.00	29.70	5.42	0.29	0.00
27.15	5.42	0.29	0.00	29.75	5.42	0.29	0.00
27.20	5.42	0.29	0.00	29.80	5.42	0.29	0.00
27.25	5.42	0.29	0.00	29.85	5.42	0.29	0.00
27.30	5.42	0.29	0.00	29.90	5.42	0.29	0.00
27.35	5.42	0.29	0.00	29.95	5.42	0.29	0.00
27.40	5.42	0.29	0.00	30.00	5.42	0.29	0.00
27.45	5.42	0.29	0.00				
27.50	5.42	0.29	0.00				
27.55	5.42	0.29	0.00				
27.60	5.42	0.29	0.00				
27.65	5.42	0.29	0.00				
27.70	5.42	0.29	0.00				
27.75	5.42	0.29	0.00				
27.80	5.42	0.29	0.00				
27.85	5.42	0.29	0.00				
27.90	5.42	0.29	0.00				
27.95	5.42	0.29	0.00				
28.00	5.42	0.29	0.00				
28.05	5.42	0.29	0.00				
28.10	5.42	0.29	0.00				
28.15	5.42	0.29	0.00				
28.20	5.42	0.29	0.00				
28.25	5.42	0.29	0.00				
28.30	5.42	0.29	0.00				
28.35	5.42	0.29	0.00				

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Summary for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp

Runoff = 3.47 cfs @ 12.19 hrs, Volume= 0.452 af, Depth> 4.93"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.300	98	Pavement
* 0.200	98	Driveways
* 0.600	98	Roof
1.100	98	Weighted Average
1.100		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.27	0.10	7.60	0.77	0.57	0.15
5.05	0.46	0.28	0.10	7.65	0.77	0.57	0.15
5.10	0.46	0.28	0.10	7.70	0.78	0.58	0.15
5.15	0.47	0.29	0.10	7.75	0.79	0.59	0.15
5.20	0.47	0.29	0.10	7.80	0.80	0.59	0.15
5.25	0.48	0.30	0.10	7.85	0.80	0.60	0.16
5.30	0.48	0.30	0.10	7.90	0.81	0.61	0.16
5.35	0.49	0.31	0.10	7.95	0.82	0.62	0.16
5.40	0.49	0.31	0.10	8.00	0.83	0.62	0.16
5.45	0.50	0.32	0.11	8.05	0.83	0.63	0.16
5.50	0.50	0.32	0.11	8.10	0.84	0.64	0.16
5.55	0.51	0.33	0.11	8.15	0.85	0.65	0.16
5.60	0.51	0.33	0.11	8.20	0.86	0.65	0.17
5.65	0.52	0.34	0.11	8.25	0.87	0.66	0.17
5.70	0.53	0.34	0.11	8.30	0.87	0.67	0.17
5.75	0.53	0.35	0.11	8.35	0.88	0.68	0.17
5.80	0.54	0.35	0.11	8.40	0.89	0.69	0.17
5.85	0.54	0.36	0.11	8.45	0.90	0.69	0.17
5.90	0.55	0.36	0.11	8.50	0.91	0.70	0.17
5.95	0.55	0.37	0.11	8.55	0.92	0.71	0.17
6.00	0.56	0.37	0.11	8.60	0.92	0.72	0.18
6.05	0.56	0.38	0.11	8.65	0.93	0.73	0.18
6.10	0.57	0.38	0.11	8.70	0.94	0.73	0.18
6.15	0.58	0.39	0.11	8.75	0.95	0.74	0.18
6.20	0.58	0.39	0.11	8.80	0.96	0.75	0.18
6.25	0.59	0.40	0.11	8.85	0.97	0.76	0.18
6.30	0.59	0.40	0.12	8.90	0.98	0.77	0.18
6.35	0.60	0.41	0.12	8.95	0.99	0.78	0.19
6.40	0.60	0.41	0.12	9.00	0.99	0.79	0.19
6.45	0.61	0.42	0.12	9.05	1.00	0.79	0.19
6.50	0.62	0.43	0.12	9.10	1.01	0.80	0.19
6.55	0.62	0.43	0.12	9.15	1.02	0.81	0.19
6.60	0.63	0.44	0.12	9.20	1.03	0.82	0.20
6.65	0.64	0.44	0.12	9.25	1.04	0.83	0.20
6.70	0.64	0.45	0.13	9.30	1.05	0.84	0.20
6.75	0.65	0.45	0.13	9.35	1.06	0.85	0.21
6.80	0.65	0.46	0.13	9.40	1.07	0.86	0.21
6.85	0.66	0.47	0.13	9.45	1.08	0.87	0.21
6.90	0.67	0.47	0.13	9.50	1.10	0.88	0.22
6.95	0.67	0.48	0.13	9.55	1.11	0.89	0.22
7.00	0.68	0.49	0.13	9.60	1.12	0.91	0.23
7.05	0.69	0.49	0.13	9.65	1.13	0.92	0.23
7.10	0.69	0.50	0.14	9.70	1.14	0.93	0.23
7.15	0.70	0.50	0.14	9.75	1.15	0.94	0.24
7.20	0.71	0.51	0.14	9.80	1.17	0.95	0.24
7.25	0.72	0.52	0.14	9.85	1.18	0.96	0.25
7.30	0.72	0.52	0.14	9.90	1.19	0.98	0.25
7.35	0.73	0.53	0.14	9.95	1.20	0.99	0.25
7.40	0.74	0.54	0.14	10.00	1.22	1.00	0.26
7.45	0.74	0.54	0.15	10.05	1.23	1.01	0.26
7.50	0.75	0.55	0.15	10.10	1.24	1.03	0.27
7.55	0.76	0.56	0.15	10.15	1.26	1.04	0.27

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	1.05	0.28	12.80	3.78	3.55	0.88
10.25	1.28	1.07	0.28	12.85	3.81	3.57	0.81
10.30	1.30	1.08	0.28	12.90	3.83	3.60	0.75
10.35	1.31	1.09	0.29	12.95	3.86	3.62	0.70
10.40	1.32	1.11	0.29	13.00	3.88	3.65	0.66
10.45	1.34	1.12	0.30	13.05	3.90	3.67	0.63
10.50	1.35	1.14	0.30	13.10	3.92	3.69	0.59
10.55	1.37	1.15	0.31	13.15	3.94	3.71	0.56
10.60	1.39	1.17	0.31	13.20	3.96	3.73	0.53
10.65	1.40	1.18	0.32	13.25	3.98	3.75	0.51
10.70	1.42	1.20	0.33	13.30	4.00	3.76	0.49
10.75	1.44	1.22	0.34	13.35	4.02	3.78	0.47
10.80	1.46	1.24	0.35	13.40	4.03	3.80	0.45
10.85	1.48	1.26	0.37	13.45	4.05	3.82	0.43
10.90	1.50	1.28	0.38	13.50	4.07	3.83	0.42
10.95	1.52	1.30	0.39	13.55	4.08	3.85	0.40
11.00	1.54	1.32	0.41	13.60	4.10	3.86	0.39
11.05	1.56	1.34	0.42	13.65	4.11	3.87	0.37
11.10	1.59	1.37	0.44	13.70	4.12	3.89	0.36
11.15	1.61	1.39	0.45	13.75	4.14	3.90	0.35
11.20	1.64	1.42	0.47	13.80	4.15	3.92	0.34
11.25	1.66	1.44	0.49	13.85	4.16	3.93	0.33
11.30	1.69	1.47	0.51	13.90	4.18	3.94	0.32
11.35	1.72	1.50	0.54	13.95	4.19	3.96	0.32
11.40	1.75	1.53	0.56	14.00	4.20	3.97	0.31
11.45	1.78	1.56	0.58	14.05	4.22	3.98	0.31
11.50	1.82	1.59	0.60	14.10	4.23	3.99	0.30
11.55	1.86	1.63	0.63	14.15	4.24	4.01	0.30
11.60	1.90	1.67	0.67	14.20	4.25	4.02	0.29
11.65	1.94	1.72	0.73	14.25	4.27	4.03	0.29
11.70	1.99	1.76	0.78	14.30	4.28	4.04	0.28
11.75	2.05	1.82	0.83	14.35	4.29	4.05	0.28
11.80	2.11	1.88	0.91	14.40	4.30	4.07	0.27
11.85	2.20	1.97	1.02	14.45	4.31	4.08	0.27
11.90	2.28	2.06	1.17	14.50	4.32	4.09	0.27
11.95	2.44	2.21	1.37	14.55	4.34	4.10	0.26
12.00	2.60	2.37	1.69	14.60	4.35	4.11	0.26
12.05	2.87	2.63	2.12	14.65	4.36	4.12	0.25
12.10	3.14	2.90	2.74	14.70	4.37	4.13	0.25
12.15	3.22	2.99	3.35	14.75	4.38	4.14	0.24
12.20	3.31	3.08	3.46	14.80	4.39	4.15	0.24
12.25	3.37	3.14	3.18	14.85	4.40	4.16	0.24
12.30	3.43	3.20	2.83	14.90	4.41	4.17	0.23
12.35	3.48	3.24	2.50	14.95	4.42	4.18	0.23
12.40	3.52	3.29	2.19	15.00	4.43	4.19	0.22
12.45	3.56	3.33	1.93	15.05	4.43	4.20	0.22
12.50	3.60	3.37	1.71	15.10	4.44	4.21	0.22
12.55	3.64	3.40	1.53	15.15	4.45	4.22	0.21
12.60	3.67	3.43	1.36	15.20	4.46	4.22	0.21
12.65	3.70	3.46	1.21	15.25	4.47	4.23	0.20
12.70	3.73	3.49	1.08	15.30	4.48	4.24	0.20
12.75	3.76	3.52	0.97	15.35	4.49	4.25	0.20

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	4.26	0.20	18.00	4.86	4.63	0.13
15.45	4.50	4.27	0.20	18.05	4.87	4.63	0.13
15.50	4.51	4.28	0.19	18.10	4.87	4.64	0.13
15.55	4.52	4.28	0.19	18.15	4.88	4.64	0.13
15.60	4.53	4.29	0.19	18.20	4.88	4.65	0.12
15.65	4.54	4.30	0.19	18.25	4.89	4.65	0.12
15.70	4.55	4.31	0.19	18.30	4.89	4.66	0.12
15.75	4.55	4.32	0.19	18.35	4.90	4.66	0.12
15.80	4.56	4.33	0.19	18.40	4.91	4.67	0.12
15.85	4.57	4.33	0.18	18.45	4.91	4.67	0.12
15.90	4.58	4.34	0.18	18.50	4.92	4.68	0.12
15.95	4.59	4.35	0.18	18.55	4.92	4.68	0.12
16.00	4.59	4.36	0.18	18.60	4.93	4.69	0.12
16.05	4.60	4.37	0.18	18.65	4.93	4.70	0.12
16.10	4.61	4.37	0.18	18.70	4.94	4.70	0.12
16.15	4.62	4.38	0.18	18.75	4.94	4.71	0.12
16.20	4.62	4.39	0.18	18.80	4.95	4.71	0.12
16.25	4.63	4.40	0.17	18.85	4.95	4.72	0.12
16.30	4.64	4.40	0.17	18.90	4.96	4.72	0.12
16.35	4.65	4.41	0.17	18.95	4.96	4.73	0.12
16.40	4.65	4.42	0.17	19.00	4.97	4.73	0.12
16.45	4.66	4.43	0.17	19.05	4.97	4.74	0.12
16.50	4.67	4.43	0.17	19.10	4.98	4.74	0.12
16.55	4.68	4.44	0.17	19.15	4.98	4.75	0.12
16.60	4.68	4.45	0.17	19.20	4.99	4.75	0.12
16.65	4.69	4.45	0.16	19.25	5.00	4.76	0.12
16.70	4.70	4.46	0.16	19.30	5.00	4.76	0.12
16.75	4.70	4.47	0.16	19.35	5.01	4.77	0.12
16.80	4.71	4.48	0.16	19.40	5.01	4.77	0.11
16.85	4.72	4.48	0.16	19.45	5.02	4.78	0.11
16.90	4.73	4.49	0.16	19.50	5.02	4.78	0.11
16.95	4.73	4.50	0.16	19.55	5.03	4.79	0.11
17.00	4.74	4.50	0.15	19.60	5.03	4.79	0.11
17.05	4.75	4.51	0.15	19.65	5.04	4.80	0.11
17.10	4.75	4.52	0.15	19.70	5.04	4.80	0.11
17.15	4.76	4.52	0.15	19.75	5.05	4.81	0.11
17.20	4.77	4.53	0.15	19.80	5.05	4.81	0.11
17.25	4.77	4.54	0.15	19.85	5.06	4.82	0.11
17.30	4.78	4.54	0.15	19.90	5.06	4.82	0.11
17.35	4.78	4.55	0.15	19.95	5.07	4.83	0.11
17.40	4.79	4.55	0.14	20.00	5.07	4.83	0.11
17.45	4.80	4.56	0.14	20.05	5.08	4.84	0.11
17.50	4.80	4.57	0.14	20.10	5.08	4.84	0.11
17.55	4.81	4.57	0.14	20.15	5.09	4.85	0.11
17.60	4.82	4.58	0.14	20.20	5.09	4.85	0.11
17.65	4.82	4.58	0.14	20.25	5.10	4.86	0.11
17.70	4.83	4.59	0.14	20.30	5.10	4.86	0.11
17.75	4.83	4.60	0.14	20.35	5.10	4.87	0.11
17.80	4.84	4.60	0.13	20.40	5.11	4.87	0.11
17.85	4.84	4.61	0.13	20.45	5.11	4.88	0.11
17.90	4.85	4.61	0.13	20.50	5.12	4.88	0.11
17.95	4.86	4.62	0.13	20.55	5.12	4.89	0.11

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	4.89	0.11	23.20	5.36	5.12	0.09
20.65	5.13	4.90	0.11	23.25	5.36	5.12	0.09
20.70	5.14	4.90	0.11	23.30	5.37	5.13	0.09
20.75	5.14	4.91	0.11	23.35	5.37	5.13	0.09
20.80	5.15	4.91	0.11	23.40	5.37	5.14	0.09
20.85	5.15	4.92	0.11	23.45	5.38	5.14	0.09
20.90	5.16	4.92	0.11	23.50	5.38	5.14	0.09
20.95	5.16	4.92	0.10	23.55	5.39	5.15	0.09
21.00	5.17	4.93	0.10	23.60	5.39	5.15	0.09
21.05	5.17	4.93	0.10	23.65	5.39	5.16	0.09
21.10	5.18	4.94	0.10	23.70	5.40	5.16	0.09
21.15	5.18	4.94	0.10	23.75	5.40	5.16	0.09
21.20	5.19	4.95	0.10	23.80	5.40	5.17	0.09
21.25	5.19	4.95	0.10	23.85	5.41	5.17	0.09
21.30	5.19	4.96	0.10	23.90	5.41	5.17	0.09
21.35	5.20	4.96	0.10	23.95	5.42	5.18	0.09
21.40	5.20	4.97	0.10	24.00	5.42	5.18	0.09
21.45	5.21	4.97	0.10	24.05	5.42	5.18	0.08
21.50	5.21	4.98	0.10	24.10	5.42	5.18	0.07
21.55	5.22	4.98	0.10	24.15	5.42	5.18	0.06
21.60	5.22	4.98	0.10	24.20	5.42	5.18	0.04
21.65	5.23	4.99	0.10	24.25	5.42	5.18	0.03
21.70	5.23	4.99	0.10	24.30	5.42	5.18	0.03
21.75	5.23	5.00	0.10	24.35	5.42	5.18	0.02
21.80	5.24	5.00	0.10	24.40	5.42	5.18	0.02
21.85	5.24	5.01	0.10	24.45	5.42	5.18	0.01
21.90	5.25	5.01	0.10	24.50	5.42	5.18	0.01
21.95	5.25	5.02	0.10	24.55	5.42	5.18	0.01
22.00	5.26	5.02	0.10	24.60	5.42	5.18	0.00
22.05	5.26	5.02	0.10	24.65	5.42	5.18	0.00
22.10	5.27	5.03	0.10	24.70	5.42	5.18	0.00
22.15	5.27	5.03	0.10	24.75	5.42	5.18	0.00
22.20	5.27	5.04	0.10	24.80	5.42	5.18	0.00
22.25	5.28	5.04	0.10	24.85	5.42	5.18	0.00
22.30	5.28	5.05	0.10	24.90	5.42	5.18	0.00
22.35	5.29	5.05	0.10	24.95	5.42	5.18	0.00
22.40	5.29	5.05	0.10	25.00	5.42	5.18	0.00
22.45	5.30	5.06	0.10	25.05	5.42	5.18	0.00
22.50	5.30	5.06	0.10	25.10	5.42	5.18	0.00
22.55	5.30	5.07	0.09	25.15	5.42	5.18	0.00
22.60	5.31	5.07	0.09	25.20	5.42	5.18	0.00
22.65	5.31	5.07	0.09	25.25	5.42	5.18	0.00
22.70	5.32	5.08	0.09	25.30	5.42	5.18	0.00
22.75	5.32	5.08	0.09	25.35	5.42	5.18	0.00
22.80	5.32	5.09	0.09	25.40	5.42	5.18	0.00
22.85	5.33	5.09	0.09	25.45	5.42	5.18	0.00
22.90	5.33	5.10	0.09	25.50	5.42	5.18	0.00
22.95	5.34	5.10	0.09	25.55	5.42	5.18	0.00
23.00	5.34	5.10	0.09	25.60	5.42	5.18	0.00
23.05	5.35	5.11	0.09	25.65	5.42	5.18	0.00
23.10	5.35	5.11	0.09	25.70	5.42	5.18	0.00
23.15	5.35	5.12	0.09	25.75	5.42	5.18	0.00

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	5.18	0.00	28.40	5.42	5.18	0.00
25.85	5.42	5.18	0.00	28.45	5.42	5.18	0.00
25.90	5.42	5.18	0.00	28.50	5.42	5.18	0.00
25.95	5.42	5.18	0.00	28.55	5.42	5.18	0.00
26.00	5.42	5.18	0.00	28.60	5.42	5.18	0.00
26.05	5.42	5.18	0.00	28.65	5.42	5.18	0.00
26.10	5.42	5.18	0.00	28.70	5.42	5.18	0.00
26.15	5.42	5.18	0.00	28.75	5.42	5.18	0.00
26.20	5.42	5.18	0.00	28.80	5.42	5.18	0.00
26.25	5.42	5.18	0.00	28.85	5.42	5.18	0.00
26.30	5.42	5.18	0.00	28.90	5.42	5.18	0.00
26.35	5.42	5.18	0.00	28.95	5.42	5.18	0.00
26.40	5.42	5.18	0.00	29.00	5.42	5.18	0.00
26.45	5.42	5.18	0.00	29.05	5.42	5.18	0.00
26.50	5.42	5.18	0.00	29.10	5.42	5.18	0.00
26.55	5.42	5.18	0.00	29.15	5.42	5.18	0.00
26.60	5.42	5.18	0.00	29.20	5.42	5.18	0.00
26.65	5.42	5.18	0.00	29.25	5.42	5.18	0.00
26.70	5.42	5.18	0.00	29.30	5.42	5.18	0.00
26.75	5.42	5.18	0.00	29.35	5.42	5.18	0.00
26.80	5.42	5.18	0.00	29.40	5.42	5.18	0.00
26.85	5.42	5.18	0.00	29.45	5.42	5.18	0.00
26.90	5.42	5.18	0.00	29.50	5.42	5.18	0.00
26.95	5.42	5.18	0.00	29.55	5.42	5.18	0.00
27.00	5.42	5.18	0.00	29.60	5.42	5.18	0.00
27.05	5.42	5.18	0.00	29.65	5.42	5.18	0.00
27.10	5.42	5.18	0.00	29.70	5.42	5.18	0.00
27.15	5.42	5.18	0.00	29.75	5.42	5.18	0.00
27.20	5.42	5.18	0.00	29.80	5.42	5.18	0.00
27.25	5.42	5.18	0.00	29.85	5.42	5.18	0.00
27.30	5.42	5.18	0.00	29.90	5.42	5.18	0.00
27.35	5.42	5.18	0.00	29.95	5.42	5.18	0.00
27.40	5.42	5.18	0.00	30.00	5.42	5.18	0.00
27.45	5.42	5.18	0.00				
27.50	5.42	5.18	0.00				
27.55	5.42	5.18	0.00				
27.60	5.42	5.18	0.00				
27.65	5.42	5.18	0.00				
27.70	5.42	5.18	0.00				
27.75	5.42	5.18	0.00				
27.80	5.42	5.18	0.00				
27.85	5.42	5.18	0.00				
27.90	5.42	5.18	0.00				
27.95	5.42	5.18	0.00				
28.00	5.42	5.18	0.00				
28.05	5.42	5.18	0.00				
28.10	5.42	5.18	0.00				
28.15	5.42	5.18	0.00				
28.20	5.42	5.18	0.00				
28.25	5.42	5.18	0.00				
28.30	5.42	5.18	0.00				
28.35	5.42	5.18	0.00				

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Summary for Subcatchment Basin 6 Impervious: Basin 6 Imp

Runoff = 1.26 cfs @ 12.19 hrs, Volume= 0.164 af, Depth> 4.93"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.200	98	Pavement & Sidewalk
* 0.200	98	Roof
0.400	98	Weighted Average
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.27	0.04	7.60	0.77	0.57	0.05
5.05	0.46	0.28	0.04	7.65	0.77	0.57	0.05
5.10	0.46	0.28	0.04	7.70	0.78	0.58	0.06
5.15	0.47	0.29	0.04	7.75	0.79	0.59	0.06
5.20	0.47	0.29	0.04	7.80	0.80	0.59	0.06
5.25	0.48	0.30	0.04	7.85	0.80	0.60	0.06
5.30	0.48	0.30	0.04	7.90	0.81	0.61	0.06
5.35	0.49	0.31	0.04	7.95	0.82	0.62	0.06
5.40	0.49	0.31	0.04	8.00	0.83	0.62	0.06
5.45	0.50	0.32	0.04	8.05	0.83	0.63	0.06
5.50	0.50	0.32	0.04	8.10	0.84	0.64	0.06
5.55	0.51	0.33	0.04	8.15	0.85	0.65	0.06
5.60	0.51	0.33	0.04	8.20	0.86	0.65	0.06
5.65	0.52	0.34	0.04	8.25	0.87	0.66	0.06
5.70	0.53	0.34	0.04	8.30	0.87	0.67	0.06
5.75	0.53	0.35	0.04	8.35	0.88	0.68	0.06
5.80	0.54	0.35	0.04	8.40	0.89	0.69	0.06
5.85	0.54	0.36	0.04	8.45	0.90	0.69	0.06
5.90	0.55	0.36	0.04	8.50	0.91	0.70	0.06
5.95	0.55	0.37	0.04	8.55	0.92	0.71	0.06
6.00	0.56	0.37	0.04	8.60	0.92	0.72	0.06
6.05	0.56	0.38	0.04	8.65	0.93	0.73	0.06
6.10	0.57	0.38	0.04	8.70	0.94	0.73	0.06
6.15	0.58	0.39	0.04	8.75	0.95	0.74	0.07
6.20	0.58	0.39	0.04	8.80	0.96	0.75	0.07
6.25	0.59	0.40	0.04	8.85	0.97	0.76	0.07
6.30	0.59	0.40	0.04	8.90	0.98	0.77	0.07
6.35	0.60	0.41	0.04	8.95	0.99	0.78	0.07
6.40	0.60	0.41	0.04	9.00	0.99	0.79	0.07
6.45	0.61	0.42	0.04	9.05	1.00	0.79	0.07
6.50	0.62	0.43	0.04	9.10	1.01	0.80	0.07
6.55	0.62	0.43	0.04	9.15	1.02	0.81	0.07
6.60	0.63	0.44	0.04	9.20	1.03	0.82	0.07
6.65	0.64	0.44	0.05	9.25	1.04	0.83	0.07
6.70	0.64	0.45	0.05	9.30	1.05	0.84	0.07
6.75	0.65	0.45	0.05	9.35	1.06	0.85	0.07
6.80	0.65	0.46	0.05	9.40	1.07	0.86	0.08
6.85	0.66	0.47	0.05	9.45	1.08	0.87	0.08
6.90	0.67	0.47	0.05	9.50	1.10	0.88	0.08
6.95	0.67	0.48	0.05	9.55	1.11	0.89	0.08
7.00	0.68	0.49	0.05	9.60	1.12	0.91	0.08
7.05	0.69	0.49	0.05	9.65	1.13	0.92	0.08
7.10	0.69	0.50	0.05	9.70	1.14	0.93	0.08
7.15	0.70	0.50	0.05	9.75	1.15	0.94	0.09
7.20	0.71	0.51	0.05	9.80	1.17	0.95	0.09
7.25	0.72	0.52	0.05	9.85	1.18	0.96	0.09
7.30	0.72	0.52	0.05	9.90	1.19	0.98	0.09
7.35	0.73	0.53	0.05	9.95	1.20	0.99	0.09
7.40	0.74	0.54	0.05	10.00	1.22	1.00	0.09
7.45	0.74	0.54	0.05	10.05	1.23	1.01	0.10
7.50	0.75	0.55	0.05	10.10	1.24	1.03	0.10
7.55	0.76	0.56	0.05	10.15	1.26	1.04	0.10

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	1.05	0.10	12.80	3.78	3.55	0.32
10.25	1.28	1.07	0.10	12.85	3.81	3.57	0.29
10.30	1.30	1.08	0.10	12.90	3.83	3.60	0.27
10.35	1.31	1.09	0.10	12.95	3.86	3.62	0.26
10.40	1.32	1.11	0.11	13.00	3.88	3.65	0.24
10.45	1.34	1.12	0.11	13.05	3.90	3.67	0.23
10.50	1.35	1.14	0.11	13.10	3.92	3.69	0.21
10.55	1.37	1.15	0.11	13.15	3.94	3.71	0.20
10.60	1.39	1.17	0.11	13.20	3.96	3.73	0.19
10.65	1.40	1.18	0.12	13.25	3.98	3.75	0.18
10.70	1.42	1.20	0.12	13.30	4.00	3.76	0.18
10.75	1.44	1.22	0.12	13.35	4.02	3.78	0.17
10.80	1.46	1.24	0.13	13.40	4.03	3.80	0.16
10.85	1.48	1.26	0.13	13.45	4.05	3.82	0.16
10.90	1.50	1.28	0.14	13.50	4.07	3.83	0.15
10.95	1.52	1.30	0.14	13.55	4.08	3.85	0.15
11.00	1.54	1.32	0.15	13.60	4.10	3.86	0.14
11.05	1.56	1.34	0.15	13.65	4.11	3.87	0.13
11.10	1.59	1.37	0.16	13.70	4.12	3.89	0.13
11.15	1.61	1.39	0.17	13.75	4.14	3.90	0.13
11.20	1.64	1.42	0.17	13.80	4.15	3.92	0.12
11.25	1.66	1.44	0.18	13.85	4.16	3.93	0.12
11.30	1.69	1.47	0.19	13.90	4.18	3.94	0.12
11.35	1.72	1.50	0.20	13.95	4.19	3.96	0.12
11.40	1.75	1.53	0.20	14.00	4.20	3.97	0.11
11.45	1.78	1.56	0.21	14.05	4.22	3.98	0.11
11.50	1.82	1.59	0.22	14.10	4.23	3.99	0.11
11.55	1.86	1.63	0.23	14.15	4.24	4.01	0.11
11.60	1.90	1.67	0.24	14.20	4.25	4.02	0.11
11.65	1.94	1.72	0.26	14.25	4.27	4.03	0.10
11.70	1.99	1.76	0.28	14.30	4.28	4.04	0.10
11.75	2.05	1.82	0.30	14.35	4.29	4.05	0.10
11.80	2.11	1.88	0.33	14.40	4.30	4.07	0.10
11.85	2.20	1.97	0.37	14.45	4.31	4.08	0.10
11.90	2.28	2.06	0.42	14.50	4.32	4.09	0.10
11.95	2.44	2.21	0.50	14.55	4.34	4.10	0.10
12.00	2.60	2.37	0.61	14.60	4.35	4.11	0.09
12.05	2.87	2.63	0.77	14.65	4.36	4.12	0.09
12.10	3.14	2.90	1.00	14.70	4.37	4.13	0.09
12.15	3.22	2.99	1.22	14.75	4.38	4.14	0.09
12.20	3.31	3.08	1.26	14.80	4.39	4.15	0.09
12.25	3.37	3.14	1.15	14.85	4.40	4.16	0.09
12.30	3.43	3.20	1.03	14.90	4.41	4.17	0.08
12.35	3.48	3.24	0.91	14.95	4.42	4.18	0.08
12.40	3.52	3.29	0.80	15.00	4.43	4.19	0.08
12.45	3.56	3.33	0.70	15.05	4.43	4.20	0.08
12.50	3.60	3.37	0.62	15.10	4.44	4.21	0.08
12.55	3.64	3.40	0.55	15.15	4.45	4.22	0.08
12.60	3.67	3.43	0.49	15.20	4.46	4.22	0.08
12.65	3.70	3.46	0.44	15.25	4.47	4.23	0.07
12.70	3.73	3.49	0.39	15.30	4.48	4.24	0.07
12.75	3.76	3.52	0.35	15.35	4.49	4.25	0.07

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	4.26	0.07	18.00	4.86	4.63	0.05
15.45	4.50	4.27	0.07	18.05	4.87	4.63	0.05
15.50	4.51	4.28	0.07	18.10	4.87	4.64	0.05
15.55	4.52	4.28	0.07	18.15	4.88	4.64	0.05
15.60	4.53	4.29	0.07	18.20	4.88	4.65	0.05
15.65	4.54	4.30	0.07	18.25	4.89	4.65	0.05
15.70	4.55	4.31	0.07	18.30	4.89	4.66	0.04
15.75	4.55	4.32	0.07	18.35	4.90	4.66	0.04
15.80	4.56	4.33	0.07	18.40	4.91	4.67	0.04
15.85	4.57	4.33	0.07	18.45	4.91	4.67	0.04
15.90	4.58	4.34	0.07	18.50	4.92	4.68	0.04
15.95	4.59	4.35	0.07	18.55	4.92	4.68	0.04
16.00	4.59	4.36	0.07	18.60	4.93	4.69	0.04
16.05	4.60	4.37	0.07	18.65	4.93	4.70	0.04
16.10	4.61	4.37	0.06	18.70	4.94	4.70	0.04
16.15	4.62	4.38	0.06	18.75	4.94	4.71	0.04
16.20	4.62	4.39	0.06	18.80	4.95	4.71	0.04
16.25	4.63	4.40	0.06	18.85	4.95	4.72	0.04
16.30	4.64	4.40	0.06	18.90	4.96	4.72	0.04
16.35	4.65	4.41	0.06	18.95	4.96	4.73	0.04
16.40	4.65	4.42	0.06	19.00	4.97	4.73	0.04
16.45	4.66	4.43	0.06	19.05	4.97	4.74	0.04
16.50	4.67	4.43	0.06	19.10	4.98	4.74	0.04
16.55	4.68	4.44	0.06	19.15	4.98	4.75	0.04
16.60	4.68	4.45	0.06	19.20	4.99	4.75	0.04
16.65	4.69	4.45	0.06	19.25	5.00	4.76	0.04
16.70	4.70	4.46	0.06	19.30	5.00	4.76	0.04
16.75	4.70	4.47	0.06	19.35	5.01	4.77	0.04
16.80	4.71	4.48	0.06	19.40	5.01	4.77	0.04
16.85	4.72	4.48	0.06	19.45	5.02	4.78	0.04
16.90	4.73	4.49	0.06	19.50	5.02	4.78	0.04
16.95	4.73	4.50	0.06	19.55	5.03	4.79	0.04
17.00	4.74	4.50	0.06	19.60	5.03	4.79	0.04
17.05	4.75	4.51	0.06	19.65	5.04	4.80	0.04
17.10	4.75	4.52	0.06	19.70	5.04	4.80	0.04
17.15	4.76	4.52	0.05	19.75	5.05	4.81	0.04
17.20	4.77	4.53	0.05	19.80	5.05	4.81	0.04
17.25	4.77	4.54	0.05	19.85	5.06	4.82	0.04
17.30	4.78	4.54	0.05	19.90	5.06	4.82	0.04
17.35	4.78	4.55	0.05	19.95	5.07	4.83	0.04
17.40	4.79	4.55	0.05	20.00	5.07	4.83	0.04
17.45	4.80	4.56	0.05	20.05	5.08	4.84	0.04
17.50	4.80	4.57	0.05	20.10	5.08	4.84	0.04
17.55	4.81	4.57	0.05	20.15	5.09	4.85	0.04
17.60	4.82	4.58	0.05	20.20	5.09	4.85	0.04
17.65	4.82	4.58	0.05	20.25	5.10	4.86	0.04
17.70	4.83	4.59	0.05	20.30	5.10	4.86	0.04
17.75	4.83	4.60	0.05	20.35	5.10	4.87	0.04
17.80	4.84	4.60	0.05	20.40	5.11	4.87	0.04
17.85	4.84	4.61	0.05	20.45	5.11	4.88	0.04
17.90	4.85	4.61	0.05	20.50	5.12	4.88	0.04
17.95	4.86	4.62	0.05	20.55	5.12	4.89	0.04

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	4.89	0.04	23.20	5.36	5.12	0.03
20.65	5.13	4.90	0.04	23.25	5.36	5.12	0.03
20.70	5.14	4.90	0.04	23.30	5.37	5.13	0.03
20.75	5.14	4.91	0.04	23.35	5.37	5.13	0.03
20.80	5.15	4.91	0.04	23.40	5.37	5.14	0.03
20.85	5.15	4.92	0.04	23.45	5.38	5.14	0.03
20.90	5.16	4.92	0.04	23.50	5.38	5.14	0.03
20.95	5.16	4.92	0.04	23.55	5.39	5.15	0.03
21.00	5.17	4.93	0.04	23.60	5.39	5.15	0.03
21.05	5.17	4.93	0.04	23.65	5.39	5.16	0.03
21.10	5.18	4.94	0.04	23.70	5.40	5.16	0.03
21.15	5.18	4.94	0.04	23.75	5.40	5.16	0.03
21.20	5.19	4.95	0.04	23.80	5.40	5.17	0.03
21.25	5.19	4.95	0.04	23.85	5.41	5.17	0.03
21.30	5.19	4.96	0.04	23.90	5.41	5.17	0.03
21.35	5.20	4.96	0.04	23.95	5.42	5.18	0.03
21.40	5.20	4.97	0.04	24.00	5.42	5.18	0.03
21.45	5.21	4.97	0.04	24.05	5.42	5.18	0.03
21.50	5.21	4.98	0.04	24.10	5.42	5.18	0.03
21.55	5.22	4.98	0.04	24.15	5.42	5.18	0.02
21.60	5.22	4.98	0.04	24.20	5.42	5.18	0.02
21.65	5.23	4.99	0.04	24.25	5.42	5.18	0.01
21.70	5.23	4.99	0.04	24.30	5.42	5.18	0.01
21.75	5.23	5.00	0.04	24.35	5.42	5.18	0.01
21.80	5.24	5.00	0.04	24.40	5.42	5.18	0.01
21.85	5.24	5.01	0.04	24.45	5.42	5.18	0.00
21.90	5.25	5.01	0.04	24.50	5.42	5.18	0.00
21.95	5.25	5.02	0.04	24.55	5.42	5.18	0.00
22.00	5.26	5.02	0.04	24.60	5.42	5.18	0.00
22.05	5.26	5.02	0.04	24.65	5.42	5.18	0.00
22.10	5.27	5.03	0.04	24.70	5.42	5.18	0.00
22.15	5.27	5.03	0.04	24.75	5.42	5.18	0.00
22.20	5.27	5.04	0.04	24.80	5.42	5.18	0.00
22.25	5.28	5.04	0.04	24.85	5.42	5.18	0.00
22.30	5.28	5.05	0.04	24.90	5.42	5.18	0.00
22.35	5.29	5.05	0.03	24.95	5.42	5.18	0.00
22.40	5.29	5.05	0.03	25.00	5.42	5.18	0.00
22.45	5.30	5.06	0.03	25.05	5.42	5.18	0.00
22.50	5.30	5.06	0.03	25.10	5.42	5.18	0.00
22.55	5.30	5.07	0.03	25.15	5.42	5.18	0.00
22.60	5.31	5.07	0.03	25.20	5.42	5.18	0.00
22.65	5.31	5.07	0.03	25.25	5.42	5.18	0.00
22.70	5.32	5.08	0.03	25.30	5.42	5.18	0.00
22.75	5.32	5.08	0.03	25.35	5.42	5.18	0.00
22.80	5.32	5.09	0.03	25.40	5.42	5.18	0.00
22.85	5.33	5.09	0.03	25.45	5.42	5.18	0.00
22.90	5.33	5.10	0.03	25.50	5.42	5.18	0.00
22.95	5.34	5.10	0.03	25.55	5.42	5.18	0.00
23.00	5.34	5.10	0.03	25.60	5.42	5.18	0.00
23.05	5.35	5.11	0.03	25.65	5.42	5.18	0.00
23.10	5.35	5.11	0.03	25.70	5.42	5.18	0.00
23.15	5.35	5.12	0.03	25.75	5.42	5.18	0.00

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	5.18	0.00	28.40	5.42	5.18	0.00
25.85	5.42	5.18	0.00	28.45	5.42	5.18	0.00
25.90	5.42	5.18	0.00	28.50	5.42	5.18	0.00
25.95	5.42	5.18	0.00	28.55	5.42	5.18	0.00
26.00	5.42	5.18	0.00	28.60	5.42	5.18	0.00
26.05	5.42	5.18	0.00	28.65	5.42	5.18	0.00
26.10	5.42	5.18	0.00	28.70	5.42	5.18	0.00
26.15	5.42	5.18	0.00	28.75	5.42	5.18	0.00
26.20	5.42	5.18	0.00	28.80	5.42	5.18	0.00
26.25	5.42	5.18	0.00	28.85	5.42	5.18	0.00
26.30	5.42	5.18	0.00	28.90	5.42	5.18	0.00
26.35	5.42	5.18	0.00	28.95	5.42	5.18	0.00
26.40	5.42	5.18	0.00	29.00	5.42	5.18	0.00
26.45	5.42	5.18	0.00	29.05	5.42	5.18	0.00
26.50	5.42	5.18	0.00	29.10	5.42	5.18	0.00
26.55	5.42	5.18	0.00	29.15	5.42	5.18	0.00
26.60	5.42	5.18	0.00	29.20	5.42	5.18	0.00
26.65	5.42	5.18	0.00	29.25	5.42	5.18	0.00
26.70	5.42	5.18	0.00	29.30	5.42	5.18	0.00
26.75	5.42	5.18	0.00	29.35	5.42	5.18	0.00
26.80	5.42	5.18	0.00	29.40	5.42	5.18	0.00
26.85	5.42	5.18	0.00	29.45	5.42	5.18	0.00
26.90	5.42	5.18	0.00	29.50	5.42	5.18	0.00
26.95	5.42	5.18	0.00	29.55	5.42	5.18	0.00
27.00	5.42	5.18	0.00	29.60	5.42	5.18	0.00
27.05	5.42	5.18	0.00	29.65	5.42	5.18	0.00
27.10	5.42	5.18	0.00	29.70	5.42	5.18	0.00
27.15	5.42	5.18	0.00	29.75	5.42	5.18	0.00
27.20	5.42	5.18	0.00	29.80	5.42	5.18	0.00
27.25	5.42	5.18	0.00	29.85	5.42	5.18	0.00
27.30	5.42	5.18	0.00	29.90	5.42	5.18	0.00
27.35	5.42	5.18	0.00	29.95	5.42	5.18	0.00
27.40	5.42	5.18	0.00	30.00	5.42	5.18	0.00
27.45	5.42	5.18	0.00				
27.50	5.42	5.18	0.00				
27.55	5.42	5.18	0.00				
27.60	5.42	5.18	0.00				
27.65	5.42	5.18	0.00				
27.70	5.42	5.18	0.00				
27.75	5.42	5.18	0.00				
27.80	5.42	5.18	0.00				
27.85	5.42	5.18	0.00				
27.90	5.42	5.18	0.00				
27.95	5.42	5.18	0.00				
28.00	5.42	5.18	0.00				
28.05	5.42	5.18	0.00				
28.10	5.42	5.18	0.00				
28.15	5.42	5.18	0.00				
28.20	5.42	5.18	0.00				
28.25	5.42	5.18	0.00				
28.30	5.42	5.18	0.00				
28.35	5.42	5.18	0.00				

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Summary for Subcatchment Basin 6 Pervious: Basin 6 - Pervious

Runoff = 0.05 cfs @ 13.62 hrs, Volume= 0.037 af, Depth= 0.29"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 1.500	39	lawn, A soils
1.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.45	0.00	0.00	7.60	0.77	0.00	0.00
5.05	0.46	0.00	0.00	7.65	0.77	0.00	0.00
5.10	0.46	0.00	0.00	7.70	0.78	0.00	0.00
5.15	0.47	0.00	0.00	7.75	0.79	0.00	0.00
5.20	0.47	0.00	0.00	7.80	0.80	0.00	0.00
5.25	0.48	0.00	0.00	7.85	0.80	0.00	0.00
5.30	0.48	0.00	0.00	7.90	0.81	0.00	0.00
5.35	0.49	0.00	0.00	7.95	0.82	0.00	0.00
5.40	0.49	0.00	0.00	8.00	0.83	0.00	0.00
5.45	0.50	0.00	0.00	8.05	0.83	0.00	0.00
5.50	0.50	0.00	0.00	8.10	0.84	0.00	0.00
5.55	0.51	0.00	0.00	8.15	0.85	0.00	0.00
5.60	0.51	0.00	0.00	8.20	0.86	0.00	0.00
5.65	0.52	0.00	0.00	8.25	0.87	0.00	0.00
5.70	0.53	0.00	0.00	8.30	0.87	0.00	0.00
5.75	0.53	0.00	0.00	8.35	0.88	0.00	0.00
5.80	0.54	0.00	0.00	8.40	0.89	0.00	0.00
5.85	0.54	0.00	0.00	8.45	0.90	0.00	0.00
5.90	0.55	0.00	0.00	8.50	0.91	0.00	0.00
5.95	0.55	0.00	0.00	8.55	0.92	0.00	0.00
6.00	0.56	0.00	0.00	8.60	0.92	0.00	0.00
6.05	0.56	0.00	0.00	8.65	0.93	0.00	0.00
6.10	0.57	0.00	0.00	8.70	0.94	0.00	0.00
6.15	0.58	0.00	0.00	8.75	0.95	0.00	0.00
6.20	0.58	0.00	0.00	8.80	0.96	0.00	0.00
6.25	0.59	0.00	0.00	8.85	0.97	0.00	0.00
6.30	0.59	0.00	0.00	8.90	0.98	0.00	0.00
6.35	0.60	0.00	0.00	8.95	0.99	0.00	0.00
6.40	0.60	0.00	0.00	9.00	0.99	0.00	0.00
6.45	0.61	0.00	0.00	9.05	1.00	0.00	0.00
6.50	0.62	0.00	0.00	9.10	1.01	0.00	0.00
6.55	0.62	0.00	0.00	9.15	1.02	0.00	0.00
6.60	0.63	0.00	0.00	9.20	1.03	0.00	0.00
6.65	0.64	0.00	0.00	9.25	1.04	0.00	0.00
6.70	0.64	0.00	0.00	9.30	1.05	0.00	0.00
6.75	0.65	0.00	0.00	9.35	1.06	0.00	0.00
6.80	0.65	0.00	0.00	9.40	1.07	0.00	0.00
6.85	0.66	0.00	0.00	9.45	1.08	0.00	0.00
6.90	0.67	0.00	0.00	9.50	1.10	0.00	0.00
6.95	0.67	0.00	0.00	9.55	1.11	0.00	0.00
7.00	0.68	0.00	0.00	9.60	1.12	0.00	0.00
7.05	0.69	0.00	0.00	9.65	1.13	0.00	0.00
7.10	0.69	0.00	0.00	9.70	1.14	0.00	0.00
7.15	0.70	0.00	0.00	9.75	1.15	0.00	0.00
7.20	0.71	0.00	0.00	9.80	1.17	0.00	0.00
7.25	0.72	0.00	0.00	9.85	1.18	0.00	0.00
7.30	0.72	0.00	0.00	9.90	1.19	0.00	0.00
7.35	0.73	0.00	0.00	9.95	1.20	0.00	0.00
7.40	0.74	0.00	0.00	10.00	1.22	0.00	0.00
7.45	0.74	0.00	0.00	10.05	1.23	0.00	0.00
7.50	0.75	0.00	0.00	10.10	1.24	0.00	0.00
7.55	0.76	0.00	0.00	10.15	1.26	0.00	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.27	0.00	0.00	12.80	3.78	0.03	0.04
10.25	1.28	0.00	0.00	12.85	3.81	0.03	0.04
10.30	1.30	0.00	0.00	12.90	3.83	0.03	0.04
10.35	1.31	0.00	0.00	12.95	3.86	0.03	0.04
10.40	1.32	0.00	0.00	13.00	3.88	0.03	0.04
10.45	1.34	0.00	0.00	13.05	3.90	0.04	0.05
10.50	1.35	0.00	0.00	13.10	3.92	0.04	0.05
10.55	1.37	0.00	0.00	13.15	3.94	0.04	0.05
10.60	1.39	0.00	0.00	13.20	3.96	0.04	0.05
10.65	1.40	0.00	0.00	13.25	3.98	0.04	0.05
10.70	1.42	0.00	0.00	13.30	4.00	0.05	0.05
10.75	1.44	0.00	0.00	13.35	4.02	0.05	0.05
10.80	1.46	0.00	0.00	13.40	4.03	0.05	0.05
10.85	1.48	0.00	0.00	13.45	4.05	0.05	0.05
10.90	1.50	0.00	0.00	13.50	4.07	0.05	0.05
10.95	1.52	0.00	0.00	13.55	4.08	0.05	0.05
11.00	1.54	0.00	0.00	13.60	4.10	0.06	0.05
11.05	1.56	0.00	0.00	13.65	4.11	0.06	0.05
11.10	1.59	0.00	0.00	13.70	4.12	0.06	0.05
11.15	1.61	0.00	0.00	13.75	4.14	0.06	0.05
11.20	1.64	0.00	0.00	13.80	4.15	0.06	0.05
11.25	1.66	0.00	0.00	13.85	4.16	0.06	0.05
11.30	1.69	0.00	0.00	13.90	4.18	0.07	0.05
11.35	1.72	0.00	0.00	13.95	4.19	0.07	0.05
11.40	1.75	0.00	0.00	14.00	4.20	0.07	0.05
11.45	1.78	0.00	0.00	14.05	4.22	0.07	0.05
11.50	1.82	0.00	0.00	14.10	4.23	0.07	0.05
11.55	1.86	0.00	0.00	14.15	4.24	0.07	0.05
11.60	1.90	0.00	0.00	14.20	4.25	0.08	0.05
11.65	1.94	0.00	0.00	14.25	4.27	0.08	0.05
11.70	1.99	0.00	0.00	14.30	4.28	0.08	0.05
11.75	2.05	0.00	0.00	14.35	4.29	0.08	0.05
11.80	2.11	0.00	0.00	14.40	4.30	0.08	0.05
11.85	2.20	0.00	0.00	14.45	4.31	0.08	0.05
11.90	2.28	0.00	0.00	14.50	4.32	0.08	0.05
11.95	2.44	0.00	0.00	14.55	4.34	0.09	0.05
12.00	2.60	0.00	0.00	14.60	4.35	0.09	0.05
12.05	2.87	0.00	0.00	14.65	4.36	0.09	0.05
12.10	3.14	0.00	0.00	14.70	4.37	0.09	0.05
12.15	3.22	0.00	0.00	14.75	4.38	0.09	0.05
12.20	3.31	0.00	0.00	14.80	4.39	0.09	0.05
12.25	3.37	0.00	0.00	14.85	4.40	0.10	0.05
12.30	3.43	0.01	0.00	14.90	4.41	0.10	0.05
12.35	3.48	0.01	0.00	14.95	4.42	0.10	0.05
12.40	3.52	0.01	0.01	15.00	4.43	0.10	0.05
12.45	3.56	0.01	0.01	15.05	4.43	0.10	0.05
12.50	3.60	0.01	0.01	15.10	4.44	0.10	0.05
12.55	3.64	0.02	0.02	15.15	4.45	0.10	0.05
12.60	3.67	0.02	0.02	15.20	4.46	0.10	0.05
12.65	3.70	0.02	0.03	15.25	4.47	0.11	0.04
12.70	3.73	0.02	0.03	15.30	4.48	0.11	0.04
12.75	3.76	0.02	0.03	15.35	4.49	0.11	0.04

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	4.50	0.11	0.04	18.00	4.86	0.17	0.03
15.45	4.50	0.11	0.04	18.05	4.87	0.17	0.03
15.50	4.51	0.11	0.04	18.10	4.87	0.18	0.03
15.55	4.52	0.11	0.04	18.15	4.88	0.18	0.03
15.60	4.53	0.12	0.04	18.20	4.88	0.18	0.03
15.65	4.54	0.12	0.04	18.25	4.89	0.18	0.03
15.70	4.55	0.12	0.04	18.30	4.89	0.18	0.03
15.75	4.55	0.12	0.04	18.35	4.90	0.18	0.03
15.80	4.56	0.12	0.04	18.40	4.91	0.18	0.03
15.85	4.57	0.12	0.04	18.45	4.91	0.18	0.03
15.90	4.58	0.12	0.04	18.50	4.92	0.18	0.03
15.95	4.59	0.12	0.04	18.55	4.92	0.18	0.03
16.00	4.59	0.13	0.04	18.60	4.93	0.19	0.03
16.05	4.60	0.13	0.04	18.65	4.93	0.19	0.03
16.10	4.61	0.13	0.04	18.70	4.94	0.19	0.03
16.15	4.62	0.13	0.04	18.75	4.94	0.19	0.03
16.20	4.62	0.13	0.04	18.80	4.95	0.19	0.03
16.25	4.63	0.13	0.04	18.85	4.95	0.19	0.03
16.30	4.64	0.13	0.04	18.90	4.96	0.19	0.03
16.35	4.65	0.13	0.04	18.95	4.96	0.19	0.03
16.40	4.65	0.14	0.04	19.00	4.97	0.19	0.03
16.45	4.66	0.14	0.04	19.05	4.97	0.19	0.03
16.50	4.67	0.14	0.04	19.10	4.98	0.20	0.03
16.55	4.68	0.14	0.04	19.15	4.98	0.20	0.03
16.60	4.68	0.14	0.04	19.20	4.99	0.20	0.03
16.65	4.69	0.14	0.04	19.25	5.00	0.20	0.03
16.70	4.70	0.14	0.04	19.30	5.00	0.20	0.03
16.75	4.70	0.14	0.04	19.35	5.01	0.20	0.03
16.80	4.71	0.15	0.04	19.40	5.01	0.20	0.03
16.85	4.72	0.15	0.04	19.45	5.02	0.20	0.03
16.90	4.73	0.15	0.04	19.50	5.02	0.20	0.03
16.95	4.73	0.15	0.04	19.55	5.03	0.21	0.03
17.00	4.74	0.15	0.04	19.60	5.03	0.21	0.03
17.05	4.75	0.15	0.04	19.65	5.04	0.21	0.03
17.10	4.75	0.15	0.04	19.70	5.04	0.21	0.03
17.15	4.76	0.15	0.04	19.75	5.05	0.21	0.03
17.20	4.77	0.16	0.04	19.80	5.05	0.21	0.03
17.25	4.77	0.16	0.04	19.85	5.06	0.21	0.03
17.30	4.78	0.16	0.04	19.90	5.06	0.21	0.03
17.35	4.78	0.16	0.04	19.95	5.07	0.21	0.03
17.40	4.79	0.16	0.04	20.00	5.07	0.21	0.03
17.45	4.80	0.16	0.04	20.05	5.08	0.22	0.03
17.50	4.80	0.16	0.04	20.10	5.08	0.22	0.03
17.55	4.81	0.16	0.04	20.15	5.09	0.22	0.03
17.60	4.82	0.16	0.04	20.20	5.09	0.22	0.03
17.65	4.82	0.17	0.04	20.25	5.10	0.22	0.03
17.70	4.83	0.17	0.04	20.30	5.10	0.22	0.03
17.75	4.83	0.17	0.04	20.35	5.10	0.22	0.03
17.80	4.84	0.17	0.04	20.40	5.11	0.22	0.03
17.85	4.84	0.17	0.04	20.45	5.11	0.22	0.03
17.90	4.85	0.17	0.04	20.50	5.12	0.22	0.03
17.95	4.86	0.17	0.03	20.55	5.12	0.23	0.03

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.13	0.23	0.03	23.20	5.36	0.28	0.03
20.65	5.13	0.23	0.03	23.25	5.36	0.28	0.03
20.70	5.14	0.23	0.03	23.30	5.37	0.28	0.03
20.75	5.14	0.23	0.03	23.35	5.37	0.28	0.03
20.80	5.15	0.23	0.03	23.40	5.37	0.28	0.03
20.85	5.15	0.23	0.03	23.45	5.38	0.28	0.03
20.90	5.16	0.23	0.03	23.50	5.38	0.28	0.03
20.95	5.16	0.23	0.03	23.55	5.39	0.28	0.03
21.00	5.17	0.24	0.03	23.60	5.39	0.29	0.03
21.05	5.17	0.24	0.03	23.65	5.39	0.29	0.03
21.10	5.18	0.24	0.03	23.70	5.40	0.29	0.03
21.15	5.18	0.24	0.03	23.75	5.40	0.29	0.03
21.20	5.19	0.24	0.03	23.80	5.40	0.29	0.03
21.25	5.19	0.24	0.03	23.85	5.41	0.29	0.03
21.30	5.19	0.24	0.03	23.90	5.41	0.29	0.03
21.35	5.20	0.24	0.03	23.95	5.42	0.29	0.03
21.40	5.20	0.24	0.03	24.00	5.42	0.29	0.03
21.45	5.21	0.24	0.03	24.05	5.42	0.29	0.03
21.50	5.21	0.25	0.03	24.10	5.42	0.29	0.03
21.55	5.22	0.25	0.03	24.15	5.42	0.29	0.03
21.60	5.22	0.25	0.03	24.20	5.42	0.29	0.03
21.65	5.23	0.25	0.03	24.25	5.42	0.29	0.03
21.70	5.23	0.25	0.03	24.30	5.42	0.29	0.02
21.75	5.23	0.25	0.03	24.35	5.42	0.29	0.02
21.80	5.24	0.25	0.03	24.40	5.42	0.29	0.02
21.85	5.24	0.25	0.03	24.45	5.42	0.29	0.02
21.90	5.25	0.25	0.03	24.50	5.42	0.29	0.02
21.95	5.25	0.25	0.03	24.55	5.42	0.29	0.01
22.00	5.26	0.25	0.03	24.60	5.42	0.29	0.01
22.05	5.26	0.26	0.03	24.65	5.42	0.29	0.01
22.10	5.27	0.26	0.03	24.70	5.42	0.29	0.01
22.15	5.27	0.26	0.03	24.75	5.42	0.29	0.01
22.20	5.27	0.26	0.03	24.80	5.42	0.29	0.01
22.25	5.28	0.26	0.03	24.85	5.42	0.29	0.01
22.30	5.28	0.26	0.03	24.90	5.42	0.29	0.01
22.35	5.29	0.26	0.03	24.95	5.42	0.29	0.01
22.40	5.29	0.26	0.03	25.00	5.42	0.29	0.01
22.45	5.30	0.26	0.03	25.05	5.42	0.29	0.01
22.50	5.30	0.26	0.03	25.10	5.42	0.29	0.00
22.55	5.30	0.27	0.03	25.15	5.42	0.29	0.00
22.60	5.31	0.27	0.03	25.20	5.42	0.29	0.00
22.65	5.31	0.27	0.03	25.25	5.42	0.29	0.00
22.70	5.32	0.27	0.03	25.30	5.42	0.29	0.00
22.75	5.32	0.27	0.03	25.35	5.42	0.29	0.00
22.80	5.32	0.27	0.03	25.40	5.42	0.29	0.00
22.85	5.33	0.27	0.03	25.45	5.42	0.29	0.00
22.90	5.33	0.27	0.03	25.50	5.42	0.29	0.00
22.95	5.34	0.27	0.03	25.55	5.42	0.29	0.00
23.00	5.34	0.27	0.03	25.60	5.42	0.29	0.00
23.05	5.35	0.28	0.03	25.65	5.42	0.29	0.00
23.10	5.35	0.28	0.03	25.70	5.42	0.29	0.00
23.15	5.35	0.28	0.03	25.75	5.42	0.29	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	5.42	0.29	0.00	28.40	5.42	0.29	0.00
25.85	5.42	0.29	0.00	28.45	5.42	0.29	0.00
25.90	5.42	0.29	0.00	28.50	5.42	0.29	0.00
25.95	5.42	0.29	0.00	28.55	5.42	0.29	0.00
26.00	5.42	0.29	0.00	28.60	5.42	0.29	0.00
26.05	5.42	0.29	0.00	28.65	5.42	0.29	0.00
26.10	5.42	0.29	0.00	28.70	5.42	0.29	0.00
26.15	5.42	0.29	0.00	28.75	5.42	0.29	0.00
26.20	5.42	0.29	0.00	28.80	5.42	0.29	0.00
26.25	5.42	0.29	0.00	28.85	5.42	0.29	0.00
26.30	5.42	0.29	0.00	28.90	5.42	0.29	0.00
26.35	5.42	0.29	0.00	28.95	5.42	0.29	0.00
26.40	5.42	0.29	0.00	29.00	5.42	0.29	0.00
26.45	5.42	0.29	0.00	29.05	5.42	0.29	0.00
26.50	5.42	0.29	0.00	29.10	5.42	0.29	0.00
26.55	5.42	0.29	0.00	29.15	5.42	0.29	0.00
26.60	5.42	0.29	0.00	29.20	5.42	0.29	0.00
26.65	5.42	0.29	0.00	29.25	5.42	0.29	0.00
26.70	5.42	0.29	0.00	29.30	5.42	0.29	0.00
26.75	5.42	0.29	0.00	29.35	5.42	0.29	0.00
26.80	5.42	0.29	0.00	29.40	5.42	0.29	0.00
26.85	5.42	0.29	0.00	29.45	5.42	0.29	0.00
26.90	5.42	0.29	0.00	29.50	5.42	0.29	0.00
26.95	5.42	0.29	0.00	29.55	5.42	0.29	0.00
27.00	5.42	0.29	0.00	29.60	5.42	0.29	0.00
27.05	5.42	0.29	0.00	29.65	5.42	0.29	0.00
27.10	5.42	0.29	0.00	29.70	5.42	0.29	0.00
27.15	5.42	0.29	0.00	29.75	5.42	0.29	0.00
27.20	5.42	0.29	0.00	29.80	5.42	0.29	0.00
27.25	5.42	0.29	0.00	29.85	5.42	0.29	0.00
27.30	5.42	0.29	0.00	29.90	5.42	0.29	0.00
27.35	5.42	0.29	0.00	29.95	5.42	0.29	0.00
27.40	5.42	0.29	0.00	30.00	5.42	0.29	0.00
27.45	5.42	0.29	0.00				
27.50	5.42	0.29	0.00				
27.55	5.42	0.29	0.00				
27.60	5.42	0.29	0.00				
27.65	5.42	0.29	0.00				
27.70	5.42	0.29	0.00				
27.75	5.42	0.29	0.00				
27.80	5.42	0.29	0.00				
27.85	5.42	0.29	0.00				
27.90	5.42	0.29	0.00				
27.95	5.42	0.29	0.00				
28.00	5.42	0.29	0.00				
28.05	5.42	0.29	0.00				
28.10	5.42	0.29	0.00				
28.15	5.42	0.29	0.00				
28.20	5.42	0.29	0.00				
28.25	5.42	0.29	0.00				
28.30	5.42	0.29	0.00				
28.35	5.42	0.29	0.00				

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Summary for Reach Site: Site

Inflow Area = 17.000 ac, 29.12% Impervious, Inflow Depth = 0.02" for 10 year event

Inflow = 0.13 cfs @ 13.22 hrs, Volume= 0.028 af

Outflow = 0.13 cfs @ 13.22 hrs, Volume= 0.028 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs

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Hydrograph for Reach Site: Site

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
5.00	0.00		0.00	7.60	0.00		0.00
5.05	0.00		0.00	7.65	0.00		0.00
5.10	0.00		0.00	7.70	0.00		0.00
5.15	0.00		0.00	7.75	0.00		0.00
5.20	0.00		0.00	7.80	0.00		0.00
5.25	0.00		0.00	7.85	0.00		0.00
5.30	0.00		0.00	7.90	0.00		0.00
5.35	0.00		0.00	7.95	0.00		0.00
5.40	0.00		0.00	8.00	0.00		0.00
5.45	0.00		0.00	8.05	0.00		0.00
5.50	0.00		0.00	8.10	0.00		0.00
5.55	0.00		0.00	8.15	0.00		0.00
5.60	0.00		0.00	8.20	0.00		0.00
5.65	0.00		0.00	8.25	0.00		0.00
5.70	0.00		0.00	8.30	0.00		0.00
5.75	0.00		0.00	8.35	0.00		0.00
5.80	0.00		0.00	8.40	0.00		0.00
5.85	0.00		0.00	8.45	0.00		0.00
5.90	0.00		0.00	8.50	0.00		0.00
5.95	0.00		0.00	8.55	0.00		0.00
6.00	0.00		0.00	8.60	0.00		0.00
6.05	0.00		0.00	8.65	0.00		0.00
6.10	0.00		0.00	8.70	0.00		0.00
6.15	0.00		0.00	8.75	0.00		0.00
6.20	0.00		0.00	8.80	0.00		0.00
6.25	0.00		0.00	8.85	0.00		0.00
6.30	0.00		0.00	8.90	0.00		0.00
6.35	0.00		0.00	8.95	0.00		0.00
6.40	0.00		0.00	9.00	0.00		0.00
6.45	0.00		0.00	9.05	0.00		0.00
6.50	0.00		0.00	9.10	0.00		0.00
6.55	0.00		0.00	9.15	0.00		0.00
6.60	0.00		0.00	9.20	0.00		0.00
6.65	0.00		0.00	9.25	0.00		0.00
6.70	0.00		0.00	9.30	0.00		0.00
6.75	0.00		0.00	9.35	0.00		0.00
6.80	0.00		0.00	9.40	0.00		0.00
6.85	0.00		0.00	9.45	0.00		0.00
6.90	0.00		0.00	9.50	0.00		0.00
6.95	0.00		0.00	9.55	0.00		0.00
7.00	0.00		0.00	9.60	0.00		0.00
7.05	0.00		0.00	9.65	0.00		0.00
7.10	0.00		0.00	9.70	0.00		0.00
7.15	0.00		0.00	9.75	0.00		0.00
7.20	0.00		0.00	9.80	0.00		0.00
7.25	0.00		0.00	9.85	0.00		0.00
7.30	0.00		0.00	9.90	0.00		0.00
7.35	0.00		0.00	9.95	0.00		0.00
7.40	0.00		0.00	10.00	0.00		0.00
7.45	0.00		0.00	10.05	0.00		0.00
7.50	0.00		0.00	10.10	0.00		0.00
7.55	0.00		0.00	10.15	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
10.20	0.00		0.00	12.80	0.12		0.12
10.25	0.00		0.00	12.85	0.12		0.12
10.30	0.00		0.00	12.90	0.12		0.12
10.35	0.00		0.00	12.95	0.12		0.12
10.40	0.00		0.00	13.00	0.13		0.13
10.45	0.00		0.00	13.05	0.13		0.13
10.50	0.00		0.00	13.10	0.13		0.13
10.55	0.00		0.00	13.15	0.13		0.13
10.60	0.00		0.00	13.20	0.13		0.13
10.65	0.00		0.00	13.25	0.13		0.13
10.70	0.00		0.00	13.30	0.13		0.13
10.75	0.00		0.00	13.35	0.13		0.13
10.80	0.00		0.00	13.40	0.13		0.13
10.85	0.00		0.00	13.45	0.13		0.13
10.90	0.00		0.00	13.50	0.13		0.13
10.95	0.00		0.00	13.55	0.13		0.13
11.00	0.00		0.00	13.60	0.12		0.12
11.05	0.00		0.00	13.65	0.12		0.12
11.10	0.00		0.00	13.70	0.12		0.12
11.15	0.00		0.00	13.75	0.12		0.12
11.20	0.00		0.00	13.80	0.12		0.12
11.25	0.00		0.00	13.85	0.12		0.12
11.30	0.00		0.00	13.90	0.12		0.12
11.35	0.00		0.00	13.95	0.12		0.12
11.40	0.00		0.00	14.00	0.11		0.11
11.45	0.00		0.00	14.05	0.11		0.11
11.50	0.00		0.00	14.10	0.11		0.11
11.55	0.00		0.00	14.15	0.11		0.11
11.60	0.00		0.00	14.20	0.11		0.11
11.65	0.00		0.00	14.25	0.11		0.11
11.70	0.00		0.00	14.30	0.11		0.11
11.75	0.00		0.00	14.35	0.10		0.10
11.80	0.00		0.00	14.40	0.10		0.10
11.85	0.00		0.00	14.45	0.10		0.10
11.90	0.00		0.00	14.50	0.10		0.10
11.95	0.00		0.00	14.55	0.10		0.10
12.00	0.00		0.00	14.60	0.09		0.09
12.05	0.00		0.00	14.65	0.09		0.09
12.10	0.00		0.00	14.70	0.09		0.09
12.15	0.00		0.00	14.75	0.09		0.09
12.20	0.00		0.00	14.80	0.09		0.09
12.25	0.00		0.00	14.85	0.08		0.08
12.30	0.00		0.00	14.90	0.08		0.08
12.35	0.01		0.01	14.95	0.08		0.08
12.40	0.03		0.03	15.00	0.08		0.08
12.45	0.06		0.06	15.05	0.07		0.07
12.50	0.08		0.08	15.10	0.07		0.07
12.55	0.09		0.09	15.15	0.07		0.07
12.60	0.10		0.10	15.20	0.07		0.07
12.65	0.11		0.11	15.25	0.06		0.06
12.70	0.11		0.11	15.30	0.06		0.06
12.75	0.12		0.12	15.35	0.06		0.06

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
15.40	0.05		0.05	18.00	0.00		0.00
15.45	0.05		0.05	18.05	0.00		0.00
15.50	0.05		0.05	18.10	0.00		0.00
15.55	0.04		0.04	18.15	0.00		0.00
15.60	0.04		0.04	18.20	0.00		0.00
15.65	0.04		0.04	18.25	0.00		0.00
15.70	0.04		0.04	18.30	0.00		0.00
15.75	0.03		0.03	18.35	0.00		0.00
15.80	0.03		0.03	18.40	0.00		0.00
15.85	0.03		0.03	18.45	0.00		0.00
15.90	0.02		0.02	18.50	0.00		0.00
15.95	0.02		0.02	18.55	0.00		0.00
16.00	0.02		0.02	18.60	0.00		0.00
16.05	0.02		0.02	18.65	0.00		0.00
16.10	0.02		0.02	18.70	0.00		0.00
16.15	0.02		0.02	18.75	0.00		0.00
16.20	0.01		0.01	18.80	0.00		0.00
16.25	0.01		0.01	18.85	0.00		0.00
16.30	0.01		0.01	18.90	0.00		0.00
16.35	0.01		0.01	18.95	0.00		0.00
16.40	0.01		0.01	19.00	0.00		0.00
16.45	0.01		0.01	19.05	0.00		0.00
16.50	0.00		0.00	19.10	0.00		0.00
16.55	0.00		0.00	19.15	0.00		0.00
16.60	0.00		0.00	19.20	0.00		0.00
16.65	0.00		0.00	19.25	0.00		0.00
16.70	0.00		0.00	19.30	0.00		0.00
16.75	0.00		0.00	19.35	0.00		0.00
16.80	0.00		0.00	19.40	0.00		0.00
16.85	0.00		0.00	19.45	0.00		0.00
16.90	0.00		0.00	19.50	0.00		0.00
16.95	0.00		0.00	19.55	0.00		0.00
17.00	0.00		0.00	19.60	0.00		0.00
17.05	0.00		0.00	19.65	0.00		0.00
17.10	0.00		0.00	19.70	0.00		0.00
17.15	0.00		0.00	19.75	0.00		0.00
17.20	0.00		0.00	19.80	0.00		0.00
17.25	0.00		0.00	19.85	0.00		0.00
17.30	0.00		0.00	19.90	0.00		0.00
17.35	0.00		0.00	19.95	0.00		0.00
17.40	0.00		0.00	20.00	0.00		0.00
17.45	0.00		0.00	20.05	0.00		0.00
17.50	0.00		0.00	20.10	0.00		0.00
17.55	0.00		0.00	20.15	0.00		0.00
17.60	0.00		0.00	20.20	0.00		0.00
17.65	0.00		0.00	20.25	0.00		0.00
17.70	0.00		0.00	20.30	0.00		0.00
17.75	0.00		0.00	20.35	0.00		0.00
17.80	0.00		0.00	20.40	0.00		0.00
17.85	0.00		0.00	20.45	0.00		0.00
17.90	0.00		0.00	20.50	0.00		0.00
17.95	0.00		0.00	20.55	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
20.60	0.00		0.00	23.20	0.00		0.00
20.65	0.00		0.00	23.25	0.00		0.00
20.70	0.00		0.00	23.30	0.00		0.00
20.75	0.00		0.00	23.35	0.00		0.00
20.80	0.00		0.00	23.40	0.00		0.00
20.85	0.00		0.00	23.45	0.00		0.00
20.90	0.00		0.00	23.50	0.00		0.00
20.95	0.00		0.00	23.55	0.00		0.00
21.00	0.00		0.00	23.60	0.00		0.00
21.05	0.00		0.00	23.65	0.00		0.00
21.10	0.00		0.00	23.70	0.00		0.00
21.15	0.00		0.00	23.75	0.00		0.00
21.20	0.00		0.00	23.80	0.00		0.00
21.25	0.00		0.00	23.85	0.00		0.00
21.30	0.00		0.00	23.90	0.00		0.00
21.35	0.00		0.00	23.95	0.00		0.00
21.40	0.00		0.00	24.00	0.00		0.00
21.45	0.00		0.00	24.05	0.00		0.00
21.50	0.00		0.00	24.10	0.00		0.00
21.55	0.00		0.00	24.15	0.00		0.00
21.60	0.00		0.00	24.20	0.00		0.00
21.65	0.00		0.00	24.25	0.00		0.00
21.70	0.00		0.00	24.30	0.00		0.00
21.75	0.00		0.00	24.35	0.00		0.00
21.80	0.00		0.00	24.40	0.00		0.00
21.85	0.00		0.00	24.45	0.00		0.00
21.90	0.00		0.00	24.50	0.00		0.00
21.95	0.00		0.00	24.55	0.00		0.00
22.00	0.00		0.00	24.60	0.00		0.00
22.05	0.00		0.00	24.65	0.00		0.00
22.10	0.00		0.00	24.70	0.00		0.00
22.15	0.00		0.00	24.75	0.00		0.00
22.20	0.00		0.00	24.80	0.00		0.00
22.25	0.00		0.00	24.85	0.00		0.00
22.30	0.00		0.00	24.90	0.00		0.00
22.35	0.00		0.00	24.95	0.00		0.00
22.40	0.00		0.00	25.00	0.00		0.00
22.45	0.00		0.00	25.05	0.00		0.00
22.50	0.00		0.00	25.10	0.00		0.00
22.55	0.00		0.00	25.15	0.00		0.00
22.60	0.00		0.00	25.20	0.00		0.00
22.65	0.00		0.00	25.25	0.00		0.00
22.70	0.00		0.00	25.30	0.00		0.00
22.75	0.00		0.00	25.35	0.00		0.00
22.80	0.00		0.00	25.40	0.00		0.00
22.85	0.00		0.00	25.45	0.00		0.00
22.90	0.00		0.00	25.50	0.00		0.00
22.95	0.00		0.00	25.55	0.00		0.00
23.00	0.00		0.00	25.60	0.00		0.00
23.05	0.00		0.00	25.65	0.00		0.00
23.10	0.00		0.00	25.70	0.00		0.00
23.15	0.00		0.00	25.75	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
25.80	0.00		0.00	28.40	0.00		0.00
25.85	0.00		0.00	28.45	0.00		0.00
25.90	0.00		0.00	28.50	0.00		0.00
25.95	0.00		0.00	28.55	0.00		0.00
26.00	0.00		0.00	28.60	0.00		0.00
26.05	0.00		0.00	28.65	0.00		0.00
26.10	0.00		0.00	28.70	0.00		0.00
26.15	0.00		0.00	28.75	0.00		0.00
26.20	0.00		0.00	28.80	0.00		0.00
26.25	0.00		0.00	28.85	0.00		0.00
26.30	0.00		0.00	28.90	0.00		0.00
26.35	0.00		0.00	28.95	0.00		0.00
26.40	0.00		0.00	29.00	0.00		0.00
26.45	0.00		0.00	29.05	0.00		0.00
26.50	0.00		0.00	29.10	0.00		0.00
26.55	0.00		0.00	29.15	0.00		0.00
26.60	0.00		0.00	29.20	0.00		0.00
26.65	0.00		0.00	29.25	0.00		0.00
26.70	0.00		0.00	29.30	0.00		0.00
26.75	0.00		0.00	29.35	0.00		0.00
26.80	0.00		0.00	29.40	0.00		0.00
26.85	0.00		0.00	29.45	0.00		0.00
26.90	0.00		0.00	29.50	0.00		0.00
26.95	0.00		0.00	29.55	0.00		0.00
27.00	0.00		0.00	29.60	0.00		0.00
27.05	0.00		0.00	29.65	0.00		0.00
27.10	0.00		0.00	29.70	0.00		0.00
27.15	0.00		0.00	29.75	0.00		0.00
27.20	0.00		0.00	29.80	0.00		0.00
27.25	0.00		0.00	29.85	0.00		0.00
27.30	0.00		0.00	29.90	0.00		0.00
27.35	0.00		0.00	29.95	0.00		0.00
27.40	0.00		0.00	30.00	0.00		0.00
27.45	0.00		0.00				
27.50	0.00		0.00				
27.55	0.00		0.00				
27.60	0.00		0.00				
27.65	0.00		0.00				
27.70	0.00		0.00				
27.75	0.00		0.00				
27.80	0.00		0.00				
27.85	0.00		0.00				
27.90	0.00		0.00				
27.95	0.00		0.00				
28.00	0.00		0.00				
28.05	0.00		0.00				
28.10	0.00		0.00				
28.15	0.00		0.00				
28.20	0.00		0.00				
28.25	0.00		0.00				
28.30	0.00		0.00				
28.35	0.00		0.00				

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Summary for Pond Basin 1: Basin 1

Inflow Area = 3.200 ac, 34.38% Impervious, Inflow Depth > 1.89" for 10 year event
 Inflow = 3.47 cfs @ 12.19 hrs, Volume= 0.504 af
 Outflow = 0.59 cfs @ 13.22 hrs, Volume= 0.504 af, Atten= 83%, Lag= 62.1 min
 Discarded = 0.46 cfs @ 13.22 hrs, Volume= 0.476 af
 Primary = 0.13 cfs @ 13.22 hrs, Volume= 0.028 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 90.92' @ 13.22 hrs Surf.Area= 0.146 ac Storage= 0.190 af

Plug-Flow detention time= 201.0 min calculated for 0.503 af (100% of inflow)
 Center-of-Mass det. time= 200.4 min (1,016.9 - 816.5)

Volume	Invert	Avail.Storage	Storage Description
#1	89.00'	0.885 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
89.00	0.050	0.000	0.000
90.00	0.100	0.075	0.075
91.00	0.150	0.125	0.200
92.00	0.200	0.175	0.375
93.00	0.250	0.225	0.600
94.00	0.320	0.285	0.885

Device	Routing	Invert	Outlet Devices
#1	Discarded	89.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 87.00'
#2	Primary	90.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	93.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.46 cfs @ 13.22 hrs HW=90.92' (Free Discharge)
 ↳ **1=Exfiltration** (Controls 0.46 cfs)

Primary OutFlow Max=0.13 cfs @ 13.22 hrs HW=90.92' (Free Discharge)
 ↳ **2=Orifice/Grate** (Orifice Controls 0.13 cfs @ 2.61 fps)
 ↳ **3=Orifice/Grate** (Controls 0.00 cfs)

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Hydrograph for Pond Basin 1: Basin 1

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.10	0.000	89.00	0.01	0.01	0.00
5.05	0.10	0.001	89.01	0.02	0.02	0.00
5.10	0.10	0.001	89.01	0.03	0.03	0.00
5.15	0.10	0.001	89.02	0.03	0.03	0.00
5.20	0.10	0.001	89.02	0.04	0.04	0.00
5.25	0.10	0.002	89.02	0.05	0.05	0.00
5.30	0.10	0.002	89.03	0.06	0.06	0.00
5.35	0.10	0.002	89.03	0.06	0.06	0.00
5.40	0.10	0.002	89.03	0.07	0.07	0.00
5.45	0.11	0.002	89.03	0.07	0.07	0.00
5.50	0.11	0.003	89.03	0.07	0.07	0.00
5.55	0.11	0.003	89.04	0.08	0.08	0.00
5.60	0.11	0.003	89.04	0.08	0.08	0.00
5.65	0.11	0.003	89.04	0.08	0.08	0.00
5.70	0.11	0.003	89.04	0.09	0.09	0.00
5.75	0.11	0.003	89.04	0.09	0.09	0.00
5.80	0.11	0.003	89.04	0.09	0.09	0.00
5.85	0.11	0.003	89.04	0.09	0.09	0.00
5.90	0.11	0.003	89.04	0.09	0.09	0.00
5.95	0.11	0.003	89.04	0.10	0.10	0.00
6.00	0.11	0.003	89.05	0.10	0.10	0.00
6.05	0.11	0.003	89.05	0.10	0.10	0.00
6.10	0.11	0.003	89.05	0.10	0.10	0.00
6.15	0.11	0.004	89.05	0.10	0.10	0.00
6.20	0.11	0.004	89.05	0.10	0.10	0.00
6.25	0.11	0.004	89.05	0.10	0.10	0.00
6.30	0.12	0.004	89.05	0.11	0.11	0.00
6.35	0.12	0.004	89.05	0.11	0.11	0.00
6.40	0.12	0.004	89.05	0.11	0.11	0.00
6.45	0.12	0.004	89.05	0.11	0.11	0.00
6.50	0.12	0.004	89.05	0.11	0.11	0.00
6.55	0.12	0.004	89.05	0.11	0.11	0.00
6.60	0.12	0.004	89.05	0.11	0.11	0.00
6.65	0.12	0.004	89.05	0.11	0.11	0.00
6.70	0.13	0.004	89.05	0.11	0.11	0.00
6.75	0.13	0.004	89.05	0.11	0.11	0.00
6.80	0.13	0.004	89.06	0.11	0.11	0.00
6.85	0.13	0.004	89.06	0.11	0.11	0.00
6.90	0.13	0.004	89.06	0.11	0.11	0.00
6.95	0.13	0.004	89.06	0.11	0.11	0.00
7.00	0.13	0.005	89.06	0.11	0.11	0.00
7.05	0.13	0.005	89.06	0.11	0.11	0.00
7.10	0.14	0.005	89.06	0.11	0.11	0.00
7.15	0.14	0.005	89.06	0.11	0.11	0.00
7.20	0.14	0.005	89.07	0.11	0.11	0.00
7.25	0.14	0.005	89.07	0.11	0.11	0.00
7.30	0.14	0.005	89.07	0.11	0.11	0.00
7.35	0.14	0.005	89.07	0.11	0.11	0.00
7.40	0.14	0.005	89.07	0.11	0.11	0.00
7.45	0.15	0.006	89.07	0.11	0.11	0.00
7.50	0.15	0.006	89.08	0.11	0.11	0.00
7.55	0.15	0.006	89.08	0.11	0.11	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.15	0.006	89.08	0.11	0.11	0.00
7.65	0.15	0.006	89.08	0.11	0.11	0.00
7.70	0.15	0.006	89.08	0.11	0.11	0.00
7.75	0.15	0.006	89.09	0.11	0.11	0.00
7.80	0.15	0.007	89.09	0.11	0.11	0.00
7.85	0.16	0.007	89.09	0.11	0.11	0.00
7.90	0.16	0.007	89.09	0.12	0.12	0.00
7.95	0.16	0.007	89.10	0.12	0.12	0.00
8.00	0.16	0.007	89.10	0.12	0.12	0.00
8.05	0.16	0.008	89.10	0.12	0.12	0.00
8.10	0.16	0.008	89.10	0.12	0.12	0.00
8.15	0.16	0.008	89.11	0.12	0.12	0.00
8.20	0.17	0.008	89.11	0.12	0.12	0.00
8.25	0.17	0.008	89.11	0.12	0.12	0.00
8.30	0.17	0.009	89.11	0.12	0.12	0.00
8.35	0.17	0.009	89.12	0.12	0.12	0.00
8.40	0.17	0.009	89.12	0.12	0.12	0.00
8.45	0.17	0.009	89.12	0.12	0.12	0.00
8.50	0.17	0.009	89.12	0.12	0.12	0.00
8.55	0.17	0.010	89.13	0.12	0.12	0.00
8.60	0.18	0.010	89.13	0.12	0.12	0.00
8.65	0.18	0.010	89.13	0.12	0.12	0.00
8.70	0.18	0.010	89.14	0.12	0.12	0.00
8.75	0.18	0.010	89.14	0.12	0.12	0.00
8.80	0.18	0.011	89.14	0.12	0.12	0.00
8.85	0.18	0.011	89.15	0.12	0.12	0.00
8.90	0.18	0.011	89.15	0.12	0.12	0.00
8.95	0.19	0.011	89.15	0.12	0.12	0.00
9.00	0.19	0.012	89.16	0.12	0.12	0.00
9.05	0.19	0.012	89.16	0.13	0.13	0.00
9.10	0.19	0.012	89.16	0.13	0.13	0.00
9.15	0.19	0.013	89.17	0.13	0.13	0.00
9.20	0.20	0.013	89.17	0.13	0.13	0.00
9.25	0.20	0.013	89.17	0.13	0.13	0.00
9.30	0.20	0.013	89.18	0.13	0.13	0.00
9.35	0.21	0.014	89.18	0.13	0.13	0.00
9.40	0.21	0.014	89.19	0.13	0.13	0.00
9.45	0.21	0.014	89.19	0.13	0.13	0.00
9.50	0.22	0.015	89.20	0.13	0.13	0.00
9.55	0.22	0.015	89.20	0.13	0.13	0.00
9.60	0.23	0.015	89.21	0.13	0.13	0.00
9.65	0.23	0.016	89.21	0.13	0.13	0.00
9.70	0.23	0.016	89.22	0.13	0.13	0.00
9.75	0.24	0.017	89.22	0.14	0.14	0.00
9.80	0.24	0.017	89.23	0.14	0.14	0.00
9.85	0.25	0.018	89.23	0.14	0.14	0.00
9.90	0.25	0.018	89.24	0.14	0.14	0.00
9.95	0.25	0.018	89.25	0.14	0.14	0.00
10.00	0.26	0.019	89.25	0.14	0.14	0.00
10.05	0.26	0.019	89.26	0.14	0.14	0.00
10.10	0.27	0.020	89.27	0.14	0.14	0.00
10.15	0.27	0.020	89.27	0.14	0.14	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.28	0.021	89.28	0.14	0.14	0.00
10.25	0.28	0.022	89.29	0.15	0.15	0.00
10.30	0.28	0.022	89.29	0.15	0.15	0.00
10.35	0.29	0.023	89.30	0.15	0.15	0.00
10.40	0.29	0.023	89.31	0.15	0.15	0.00
10.45	0.30	0.024	89.32	0.15	0.15	0.00
10.50	0.30	0.024	89.33	0.15	0.15	0.00
10.55	0.31	0.025	89.33	0.15	0.15	0.00
10.60	0.31	0.026	89.34	0.16	0.16	0.00
10.65	0.32	0.026	89.35	0.16	0.16	0.00
10.70	0.33	0.027	89.36	0.16	0.16	0.00
10.75	0.34	0.028	89.37	0.16	0.16	0.00
10.80	0.35	0.029	89.38	0.16	0.16	0.00
10.85	0.37	0.029	89.39	0.16	0.16	0.00
10.90	0.38	0.030	89.40	0.17	0.17	0.00
10.95	0.39	0.031	89.42	0.17	0.17	0.00
11.00	0.41	0.032	89.43	0.17	0.17	0.00
11.05	0.42	0.033	89.44	0.17	0.17	0.00
11.10	0.44	0.034	89.46	0.17	0.17	0.00
11.15	0.45	0.035	89.47	0.18	0.18	0.00
11.20	0.47	0.036	89.49	0.18	0.18	0.00
11.25	0.49	0.038	89.50	0.18	0.18	0.00
11.30	0.51	0.039	89.52	0.19	0.19	0.00
11.35	0.54	0.040	89.54	0.19	0.19	0.00
11.40	0.56	0.042	89.56	0.19	0.19	0.00
11.45	0.58	0.043	89.58	0.20	0.20	0.00
11.50	0.60	0.045	89.60	0.20	0.20	0.00
11.55	0.63	0.047	89.62	0.20	0.20	0.00
11.60	0.67	0.049	89.65	0.21	0.21	0.00
11.65	0.73	0.051	89.68	0.21	0.21	0.00
11.70	0.78	0.053	89.71	0.22	0.22	0.00
11.75	0.83	0.055	89.74	0.22	0.22	0.00
11.80	0.91	0.058	89.77	0.23	0.23	0.00
11.85	1.02	0.061	89.81	0.24	0.24	0.00
11.90	1.17	0.064	89.86	0.25	0.25	0.00
11.95	1.37	0.069	89.92	0.26	0.26	0.00
12.00	1.69	0.074	89.99	0.27	0.27	0.00
12.05	2.12	0.081	90.05	0.28	0.28	0.00
12.10	2.74	0.090	90.12	0.30	0.30	0.00
12.15	3.35	0.101	90.21	0.31	0.31	0.00
12.20	3.46	0.114	90.31	0.33	0.33	0.00
12.25	3.18	0.126	90.41	0.35	0.35	0.00
12.30	2.83	0.137	90.49	0.37	0.37	0.00
12.35	2.50	0.146	90.57	0.40	0.39	0.01
12.40	2.20	0.154	90.63	0.43	0.40	0.03
12.45	1.94	0.161	90.69	0.47	0.41	0.06
12.50	1.73	0.166	90.73	0.50	0.42	0.08
12.55	1.55	0.171	90.77	0.52	0.43	0.09
12.60	1.39	0.175	90.80	0.53	0.44	0.10
12.65	1.24	0.178	90.83	0.55	0.44	0.11
12.70	1.12	0.181	90.85	0.56	0.45	0.11
12.75	1.01	0.183	90.86	0.56	0.45	0.12

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.93	0.185	90.88	0.57	0.45	0.12
12.85	0.86	0.186	90.89	0.58	0.45	0.12
12.90	0.81	0.187	90.90	0.58	0.46	0.12
12.95	0.76	0.188	90.90	0.58	0.46	0.12
13.00	0.72	0.189	90.91	0.58	0.46	0.13
13.05	0.69	0.189	90.91	0.59	0.46	0.13
13.10	0.66	0.189	90.92	0.59	0.46	0.13
13.15	0.63	0.190	90.92	0.59	0.46	0.13
13.20	0.60	0.190	90.92	0.59	0.46	0.13
13.25	0.58	0.190	90.92	0.59	0.46	0.13
13.30	0.56	0.190	90.92	0.59	0.46	0.13
13.35	0.54	0.189	90.92	0.59	0.46	0.13
13.40	0.52	0.189	90.91	0.59	0.46	0.13
13.45	0.51	0.189	90.91	0.59	0.46	0.13
13.50	0.49	0.189	90.91	0.58	0.46	0.13
13.55	0.48	0.188	90.91	0.58	0.46	0.13
13.60	0.46	0.188	90.90	0.58	0.46	0.12
13.65	0.45	0.187	90.90	0.58	0.46	0.12
13.70	0.43	0.187	90.89	0.58	0.46	0.12
13.75	0.42	0.186	90.89	0.58	0.45	0.12
13.80	0.41	0.185	90.88	0.57	0.45	0.12
13.85	0.40	0.185	90.88	0.57	0.45	0.12
13.90	0.40	0.184	90.87	0.57	0.45	0.12
13.95	0.39	0.183	90.87	0.57	0.45	0.12
14.00	0.38	0.183	90.86	0.56	0.45	0.11
14.05	0.38	0.182	90.85	0.56	0.45	0.11
14.10	0.37	0.181	90.85	0.56	0.45	0.11
14.15	0.37	0.180	90.84	0.55	0.44	0.11
14.20	0.36	0.180	90.84	0.55	0.44	0.11
14.25	0.36	0.179	90.83	0.55	0.44	0.11
14.30	0.35	0.178	90.82	0.55	0.44	0.11
14.35	0.35	0.177	90.82	0.54	0.44	0.10
14.40	0.34	0.176	90.81	0.54	0.44	0.10
14.45	0.34	0.176	90.80	0.54	0.44	0.10
14.50	0.34	0.175	90.80	0.53	0.43	0.10
14.55	0.33	0.174	90.79	0.53	0.43	0.10
14.60	0.33	0.173	90.78	0.53	0.43	0.09
14.65	0.32	0.172	90.78	0.52	0.43	0.09
14.70	0.32	0.171	90.77	0.52	0.43	0.09
14.75	0.31	0.171	90.76	0.52	0.43	0.09
14.80	0.31	0.170	90.76	0.51	0.43	0.09
14.85	0.30	0.169	90.75	0.51	0.42	0.08
14.90	0.30	0.168	90.74	0.50	0.42	0.08
14.95	0.29	0.167	90.74	0.50	0.42	0.08
15.00	0.29	0.166	90.73	0.50	0.42	0.08
15.05	0.28	0.165	90.72	0.49	0.42	0.07
15.10	0.28	0.165	90.72	0.49	0.42	0.07
15.15	0.27	0.164	90.71	0.48	0.42	0.07
15.20	0.27	0.163	90.70	0.48	0.41	0.07
15.25	0.27	0.162	90.70	0.48	0.41	0.06
15.30	0.26	0.161	90.69	0.47	0.41	0.06
15.35	0.26	0.160	90.68	0.47	0.41	0.06

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.26	0.159	90.68	0.46	0.41	0.05
15.45	0.26	0.159	90.67	0.46	0.41	0.05
15.50	0.25	0.158	90.66	0.45	0.41	0.05
15.55	0.25	0.157	90.66	0.45	0.40	0.04
15.60	0.25	0.156	90.65	0.44	0.40	0.04
15.65	0.25	0.155	90.64	0.44	0.40	0.04
15.70	0.25	0.155	90.64	0.44	0.40	0.04
15.75	0.25	0.154	90.63	0.43	0.40	0.03
15.80	0.24	0.153	90.62	0.43	0.40	0.03
15.85	0.24	0.152	90.62	0.42	0.40	0.03
15.90	0.24	0.152	90.61	0.42	0.40	0.02
15.95	0.24	0.151	90.61	0.42	0.39	0.02
16.00	0.24	0.150	90.60	0.41	0.39	0.02
16.05	0.24	0.149	90.60	0.41	0.39	0.02
16.10	0.23	0.149	90.59	0.41	0.39	0.02
16.15	0.23	0.148	90.58	0.40	0.39	0.02
16.20	0.23	0.147	90.58	0.40	0.39	0.01
16.25	0.23	0.147	90.57	0.40	0.39	0.01
16.30	0.23	0.146	90.57	0.40	0.39	0.01
16.35	0.23	0.145	90.56	0.39	0.38	0.01
16.40	0.23	0.144	90.56	0.39	0.38	0.01
16.45	0.22	0.144	90.55	0.39	0.38	0.01
16.50	0.22	0.143	90.55	0.39	0.38	0.00
16.55	0.22	0.142	90.54	0.38	0.38	0.00
16.60	0.22	0.142	90.53	0.38	0.38	0.00
16.65	0.22	0.141	90.53	0.38	0.38	0.00
16.70	0.22	0.140	90.52	0.38	0.38	0.00
16.75	0.22	0.140	90.52	0.38	0.38	0.00
16.80	0.21	0.139	90.51	0.38	0.37	0.00
16.85	0.21	0.138	90.51	0.37	0.37	0.00
16.90	0.21	0.138	90.50	0.37	0.37	0.00
16.95	0.21	0.137	90.50	0.37	0.37	0.00
17.00	0.21	0.136	90.49	0.37	0.37	0.00
17.05	0.21	0.136	90.49	0.37	0.37	0.00
17.10	0.21	0.135	90.48	0.37	0.37	0.00
17.15	0.20	0.134	90.48	0.37	0.37	0.00
17.20	0.20	0.134	90.47	0.37	0.37	0.00
17.25	0.20	0.133	90.46	0.36	0.36	0.00
17.30	0.20	0.132	90.46	0.36	0.36	0.00
17.35	0.20	0.132	90.45	0.36	0.36	0.00
17.40	0.20	0.131	90.45	0.36	0.36	0.00
17.45	0.19	0.130	90.44	0.36	0.36	0.00
17.50	0.19	0.130	90.44	0.36	0.36	0.00
17.55	0.19	0.129	90.43	0.36	0.36	0.00
17.60	0.19	0.128	90.43	0.36	0.36	0.00
17.65	0.19	0.128	90.42	0.36	0.36	0.00
17.70	0.19	0.127	90.42	0.35	0.35	0.00
17.75	0.19	0.126	90.41	0.35	0.35	0.00
17.80	0.18	0.126	90.40	0.35	0.35	0.00
17.85	0.18	0.125	90.40	0.35	0.35	0.00
17.90	0.18	0.124	90.39	0.35	0.35	0.00
17.95	0.18	0.123	90.39	0.35	0.35	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.18	0.123	90.38	0.35	0.35	0.00
18.05	0.18	0.122	90.38	0.35	0.35	0.00
18.10	0.18	0.121	90.37	0.35	0.35	0.00
18.15	0.17	0.121	90.36	0.34	0.34	0.00
18.20	0.17	0.120	90.36	0.34	0.34	0.00
18.25	0.17	0.119	90.35	0.34	0.34	0.00
18.30	0.17	0.118	90.35	0.34	0.34	0.00
18.35	0.17	0.118	90.34	0.34	0.34	0.00
18.40	0.17	0.117	90.34	0.34	0.34	0.00
18.45	0.17	0.116	90.33	0.34	0.34	0.00
18.50	0.17	0.116	90.33	0.34	0.34	0.00
18.55	0.17	0.115	90.32	0.34	0.34	0.00
18.60	0.17	0.114	90.31	0.33	0.33	0.00
18.65	0.17	0.114	90.31	0.33	0.33	0.00
18.70	0.16	0.113	90.30	0.33	0.33	0.00
18.75	0.16	0.112	90.30	0.33	0.33	0.00
18.80	0.16	0.112	90.29	0.33	0.33	0.00
18.85	0.16	0.111	90.29	0.33	0.33	0.00
18.90	0.16	0.110	90.28	0.33	0.33	0.00
18.95	0.16	0.109	90.28	0.33	0.33	0.00
19.00	0.16	0.109	90.27	0.33	0.33	0.00
19.05	0.16	0.108	90.27	0.32	0.32	0.00
19.10	0.16	0.107	90.26	0.32	0.32	0.00
19.15	0.16	0.107	90.25	0.32	0.32	0.00
19.20	0.16	0.106	90.25	0.32	0.32	0.00
19.25	0.16	0.105	90.24	0.32	0.32	0.00
19.30	0.16	0.105	90.24	0.32	0.32	0.00
19.35	0.16	0.104	90.23	0.32	0.32	0.00
19.40	0.16	0.103	90.23	0.32	0.32	0.00
19.45	0.16	0.103	90.22	0.32	0.32	0.00
19.50	0.16	0.102	90.22	0.31	0.31	0.00
19.55	0.16	0.102	90.21	0.31	0.31	0.00
19.60	0.16	0.101	90.21	0.31	0.31	0.00
19.65	0.16	0.100	90.20	0.31	0.31	0.00
19.70	0.16	0.100	90.20	0.31	0.31	0.00
19.75	0.16	0.099	90.19	0.31	0.31	0.00
19.80	0.16	0.098	90.19	0.31	0.31	0.00
19.85	0.16	0.098	90.18	0.31	0.31	0.00
19.90	0.16	0.097	90.18	0.31	0.31	0.00
19.95	0.16	0.096	90.17	0.31	0.31	0.00
20.00	0.16	0.096	90.17	0.30	0.30	0.00
20.05	0.15	0.095	90.16	0.30	0.30	0.00
20.10	0.15	0.095	90.16	0.30	0.30	0.00
20.15	0.15	0.094	90.15	0.30	0.30	0.00
20.20	0.15	0.093	90.15	0.30	0.30	0.00
20.25	0.15	0.093	90.14	0.30	0.30	0.00
20.30	0.15	0.092	90.14	0.30	0.30	0.00
20.35	0.15	0.092	90.13	0.30	0.30	0.00
20.40	0.15	0.091	90.13	0.30	0.30	0.00
20.45	0.15	0.090	90.12	0.30	0.30	0.00
20.50	0.15	0.090	90.12	0.30	0.30	0.00
20.55	0.15	0.089	90.11	0.29	0.29	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.15	0.089	90.11	0.29	0.29	0.00
20.65	0.15	0.088	90.10	0.29	0.29	0.00
20.70	0.15	0.087	90.10	0.29	0.29	0.00
20.75	0.15	0.087	90.09	0.29	0.29	0.00
20.80	0.15	0.086	90.09	0.29	0.29	0.00
20.85	0.15	0.086	90.09	0.29	0.29	0.00
20.90	0.15	0.085	90.08	0.29	0.29	0.00
20.95	0.15	0.085	90.08	0.29	0.29	0.00
21.00	0.15	0.084	90.07	0.29	0.29	0.00
21.05	0.15	0.083	90.07	0.29	0.29	0.00
21.10	0.15	0.083	90.06	0.28	0.28	0.00
21.15	0.15	0.082	90.06	0.28	0.28	0.00
21.20	0.15	0.082	90.05	0.28	0.28	0.00
21.25	0.15	0.081	90.05	0.28	0.28	0.00
21.30	0.15	0.081	90.04	0.28	0.28	0.00
21.35	0.15	0.080	90.04	0.28	0.28	0.00
21.40	0.15	0.079	90.04	0.28	0.28	0.00
21.45	0.14	0.079	90.03	0.28	0.28	0.00
21.50	0.14	0.078	90.03	0.28	0.28	0.00
21.55	0.14	0.078	90.02	0.28	0.28	0.00
21.60	0.14	0.077	90.02	0.28	0.28	0.00
21.65	0.14	0.077	90.01	0.28	0.28	0.00
21.70	0.14	0.076	90.01	0.27	0.27	0.00
21.75	0.14	0.076	90.00	0.27	0.27	0.00
21.80	0.14	0.075	90.00	0.27	0.27	0.00
21.85	0.14	0.075	89.99	0.27	0.27	0.00
21.90	0.14	0.074	89.99	0.27	0.27	0.00
21.95	0.14	0.073	89.98	0.27	0.27	0.00
22.00	0.14	0.073	89.97	0.27	0.27	0.00
22.05	0.14	0.072	89.97	0.27	0.27	0.00
22.10	0.14	0.072	89.96	0.26	0.26	0.00
22.15	0.14	0.071	89.95	0.26	0.26	0.00
22.20	0.14	0.071	89.95	0.26	0.26	0.00
22.25	0.14	0.070	89.94	0.26	0.26	0.00
22.30	0.14	0.070	89.93	0.26	0.26	0.00
22.35	0.14	0.069	89.92	0.26	0.26	0.00
22.40	0.14	0.069	89.92	0.26	0.26	0.00
22.45	0.14	0.068	89.91	0.26	0.26	0.00
22.50	0.14	0.068	89.91	0.25	0.25	0.00
22.55	0.14	0.067	89.90	0.25	0.25	0.00
22.60	0.14	0.067	89.89	0.25	0.25	0.00
22.65	0.14	0.066	89.89	0.25	0.25	0.00
22.70	0.14	0.066	89.88	0.25	0.25	0.00
22.75	0.14	0.066	89.87	0.25	0.25	0.00
22.80	0.13	0.065	89.87	0.25	0.25	0.00
22.85	0.13	0.065	89.86	0.25	0.25	0.00
22.90	0.13	0.064	89.85	0.25	0.25	0.00
22.95	0.13	0.064	89.85	0.24	0.24	0.00
23.00	0.13	0.063	89.84	0.24	0.24	0.00
23.05	0.13	0.063	89.84	0.24	0.24	0.00
23.10	0.13	0.062	89.83	0.24	0.24	0.00
23.15	0.13	0.062	89.82	0.24	0.24	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.13	0.061	89.82	0.24	0.24	0.00
23.25	0.13	0.061	89.81	0.24	0.24	0.00
23.30	0.13	0.061	89.81	0.24	0.24	0.00
23.35	0.13	0.060	89.80	0.24	0.24	0.00
23.40	0.13	0.060	89.80	0.23	0.23	0.00
23.45	0.13	0.059	89.79	0.23	0.23	0.00
23.50	0.13	0.059	89.78	0.23	0.23	0.00
23.55	0.13	0.058	89.78	0.23	0.23	0.00
23.60	0.13	0.058	89.77	0.23	0.23	0.00
23.65	0.13	0.058	89.77	0.23	0.23	0.00
23.70	0.13	0.057	89.76	0.23	0.23	0.00
23.75	0.13	0.057	89.76	0.23	0.23	0.00
23.80	0.13	0.056	89.75	0.23	0.23	0.00
23.85	0.13	0.056	89.75	0.23	0.23	0.00
23.90	0.13	0.055	89.74	0.22	0.22	0.00
23.95	0.13	0.055	89.73	0.22	0.22	0.00
24.00	0.13	0.055	89.73	0.22	0.22	0.00
24.05	0.12	0.054	89.72	0.22	0.22	0.00
24.10	0.11	0.054	89.72	0.22	0.22	0.00
24.15	0.10	0.053	89.71	0.22	0.22	0.00
24.20	0.08	0.053	89.70	0.22	0.22	0.00
24.25	0.07	0.052	89.70	0.22	0.22	0.00
24.30	0.06	0.052	89.69	0.21	0.21	0.00
24.35	0.05	0.051	89.68	0.21	0.21	0.00
24.40	0.04	0.050	89.67	0.21	0.21	0.00
24.45	0.04	0.050	89.66	0.21	0.21	0.00
24.50	0.03	0.049	89.65	0.21	0.21	0.00
24.55	0.03	0.048	89.64	0.21	0.21	0.00
24.60	0.02	0.047	89.63	0.20	0.20	0.00
24.65	0.02	0.047	89.62	0.20	0.20	0.00
24.70	0.02	0.046	89.61	0.20	0.20	0.00
24.75	0.02	0.045	89.60	0.20	0.20	0.00
24.80	0.01	0.044	89.59	0.20	0.20	0.00
24.85	0.01	0.044	89.58	0.20	0.20	0.00
24.90	0.01	0.043	89.57	0.19	0.19	0.00
24.95	0.01	0.042	89.56	0.19	0.19	0.00
25.00	0.01	0.041	89.55	0.19	0.19	0.00
25.05	0.01	0.041	89.54	0.19	0.19	0.00
25.10	0.01	0.040	89.53	0.19	0.19	0.00
25.15	0.01	0.039	89.52	0.19	0.19	0.00
25.20	0.01	0.038	89.51	0.18	0.18	0.00
25.25	0.01	0.038	89.50	0.18	0.18	0.00
25.30	0.00	0.037	89.49	0.18	0.18	0.00
25.35	0.00	0.036	89.48	0.18	0.18	0.00
25.40	0.00	0.035	89.47	0.18	0.18	0.00
25.45	0.00	0.035	89.46	0.18	0.18	0.00
25.50	0.00	0.034	89.45	0.17	0.17	0.00
25.55	0.00	0.033	89.44	0.17	0.17	0.00
25.60	0.00	0.033	89.43	0.17	0.17	0.00
25.65	0.00	0.032	89.43	0.17	0.17	0.00
25.70	0.00	0.031	89.42	0.17	0.17	0.00
25.75	0.00	0.031	89.41	0.17	0.17	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.030	89.40	0.16	0.16	0.00
25.85	0.00	0.029	89.39	0.16	0.16	0.00
25.90	0.00	0.029	89.38	0.16	0.16	0.00
25.95	0.00	0.028	89.37	0.16	0.16	0.00
26.00	0.00	0.027	89.36	0.16	0.16	0.00
26.05	0.00	0.027	89.35	0.16	0.16	0.00
26.10	0.00	0.026	89.35	0.16	0.16	0.00
26.15	0.00	0.025	89.34	0.15	0.15	0.00
26.20	0.00	0.025	89.33	0.15	0.15	0.00
26.25	0.00	0.024	89.32	0.15	0.15	0.00
26.30	0.00	0.023	89.31	0.15	0.15	0.00
26.35	0.00	0.023	89.30	0.15	0.15	0.00
26.40	0.00	0.022	89.30	0.15	0.15	0.00
26.45	0.00	0.022	89.29	0.15	0.15	0.00
26.50	0.00	0.021	89.28	0.14	0.14	0.00
26.55	0.00	0.020	89.27	0.14	0.14	0.00
26.60	0.00	0.020	89.26	0.14	0.14	0.00
26.65	0.00	0.019	89.26	0.14	0.14	0.00
26.70	0.00	0.019	89.25	0.14	0.14	0.00
26.75	0.00	0.018	89.24	0.14	0.14	0.00
26.80	0.00	0.017	89.23	0.14	0.14	0.00
26.85	0.00	0.017	89.23	0.14	0.14	0.00
26.90	0.00	0.016	89.22	0.13	0.13	0.00
26.95	0.00	0.016	89.21	0.13	0.13	0.00
27.00	0.00	0.015	89.20	0.13	0.13	0.00
27.05	0.00	0.015	89.20	0.13	0.13	0.00
27.10	0.00	0.014	89.19	0.13	0.13	0.00
27.15	0.00	0.014	89.18	0.13	0.13	0.00
27.20	0.00	0.013	89.17	0.13	0.13	0.00
27.25	0.00	0.013	89.17	0.13	0.13	0.00
27.30	0.00	0.012	89.16	0.13	0.13	0.00
27.35	0.00	0.012	89.15	0.12	0.12	0.00
27.40	0.00	0.011	89.15	0.12	0.12	0.00
27.45	0.00	0.011	89.14	0.12	0.12	0.00
27.50	0.00	0.010	89.13	0.12	0.12	0.00
27.55	0.00	0.010	89.13	0.12	0.12	0.00
27.60	0.00	0.009	89.12	0.12	0.12	0.00
27.65	0.00	0.009	89.11	0.12	0.12	0.00
27.70	0.00	0.008	89.11	0.12	0.12	0.00
27.75	0.00	0.008	89.10	0.12	0.12	0.00
27.80	0.00	0.007	89.09	0.12	0.12	0.00
27.85	0.00	0.007	89.09	0.11	0.11	0.00
27.90	0.00	0.006	89.08	0.11	0.11	0.00
27.95	0.00	0.006	89.08	0.11	0.11	0.00
28.00	0.00	0.005	89.07	0.11	0.11	0.00
28.05	0.00	0.005	89.06	0.11	0.11	0.00
28.10	0.00	0.004	89.06	0.11	0.11	0.00
28.15	0.00	0.004	89.05	0.11	0.11	0.00
28.20	0.00	0.003	89.05	0.10	0.10	0.00
28.25	0.00	0.003	89.04	0.09	0.09	0.00
28.30	0.00	0.003	89.04	0.08	0.08	0.00
28.35	0.00	0.002	89.03	0.07	0.07	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.002	89.03	0.06	0.06	0.00
28.45	0.00	0.002	89.03	0.05	0.05	0.00
28.50	0.00	0.002	89.02	0.05	0.05	0.00
28.55	0.00	0.001	89.02	0.04	0.04	0.00
28.60	0.00	0.001	89.02	0.04	0.04	0.00
28.65	0.00	0.001	89.02	0.03	0.03	0.00
28.70	0.00	0.001	89.01	0.03	0.03	0.00
28.75	0.00	0.001	89.01	0.03	0.03	0.00
28.80	0.00	0.001	89.01	0.02	0.02	0.00
28.85	0.00	0.001	89.01	0.02	0.02	0.00
28.90	0.00	0.001	89.01	0.02	0.02	0.00
28.95	0.00	0.001	89.01	0.02	0.02	0.00
29.00	0.00	0.001	89.01	0.01	0.01	0.00
29.05	0.00	0.000	89.01	0.01	0.01	0.00
29.10	0.00	0.000	89.01	0.01	0.01	0.00
29.15	0.00	0.000	89.00	0.01	0.01	0.00
29.20	0.00	0.000	89.00	0.01	0.01	0.00
29.25	0.00	0.000	89.00	0.01	0.01	0.00
29.30	0.00	0.000	89.00	0.01	0.01	0.00
29.35	0.00	0.000	89.00	0.01	0.01	0.00
29.40	0.00	0.000	89.00	0.01	0.01	0.00
29.45	0.00	0.000	89.00	0.00	0.00	0.00
29.50	0.00	0.000	89.00	0.00	0.00	0.00
29.55	0.00	0.000	89.00	0.00	0.00	0.00
29.60	0.00	0.000	89.00	0.00	0.00	0.00
29.65	0.00	0.000	89.00	0.00	0.00	0.00
29.70	0.00	0.000	89.00	0.00	0.00	0.00
29.75	0.00	0.000	89.00	0.00	0.00	0.00
29.80	0.00	0.000	89.00	0.00	0.00	0.00
29.85	0.00	0.000	89.00	0.00	0.00	0.00
29.90	0.00	0.000	89.00	0.00	0.00	0.00
29.95	0.00	0.000	89.00	0.00	0.00	0.00
30.00	0.00	0.000	89.00	0.00	0.00	0.00

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Summary for Pond Basin 2: Basin 2

Inflow Area = 3.200 ac, 35.94% Impervious, Inflow Depth > 1.96" for 10 year event
 Inflow = 3.63 cfs @ 12.19 hrs, Volume= 0.523 af
 Outflow = 0.53 cfs @ 13.45 hrs, Volume= 0.523 af, Atten= 86%, Lag= 75.7 min
 Discarded = 0.53 cfs @ 13.45 hrs, Volume= 0.523 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 88.35' @ 13.45 hrs Surf.Area= 0.178 ac Storage= 0.186 af

Plug-Flow detention time= 167.6 min calculated for 0.523 af (100% of inflow)
 Center-of-Mass det. time= 166.9 min (981.7 - 814.7)

Volume	Invert	Avail.Storage	Storage Description
#1	87.00'	1.330 af	Rain Garden Basin (Prismatic) Listed below

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
87.00	0.090	0.000	0.000
88.00	0.150	0.120	0.120
89.00	0.230	0.190	0.310
90.00	0.300	0.265	0.575
91.00	0.380	0.340	0.915
92.00	0.450	0.415	1.330

Device	Routing	Invert	Outlet Devices
#1	Discarded	87.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 85.00'
#2	Primary	88.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	91.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.53 cfs @ 13.45 hrs HW=88.35' (Free Discharge)
 ↳1=Exfiltration (Controls 0.53 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=87.00' (Free Discharge)
 ↳2=Orifice/Grate (Controls 0.00 cfs)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 2: Basin 2

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.10	0.000	87.00	0.01	0.01	0.00
5.05	0.11	0.001	87.00	0.02	0.02	0.00
5.10	0.11	0.001	87.01	0.03	0.03	0.00
5.15	0.11	0.001	87.01	0.04	0.04	0.00
5.20	0.11	0.001	87.01	0.05	0.05	0.00
5.25	0.11	0.002	87.01	0.05	0.05	0.00
5.30	0.11	0.002	87.02	0.06	0.06	0.00
5.35	0.11	0.002	87.02	0.07	0.07	0.00
5.40	0.11	0.002	87.02	0.07	0.07	0.00
5.45	0.11	0.002	87.02	0.08	0.08	0.00
5.50	0.11	0.003	87.02	0.08	0.08	0.00
5.55	0.11	0.003	87.02	0.08	0.08	0.00
5.60	0.11	0.003	87.02	0.09	0.09	0.00
5.65	0.11	0.003	87.02	0.09	0.09	0.00
5.70	0.11	0.003	87.02	0.09	0.09	0.00
5.75	0.11	0.003	87.02	0.10	0.10	0.00
5.80	0.11	0.003	87.03	0.10	0.10	0.00
5.85	0.11	0.003	87.03	0.10	0.10	0.00
5.90	0.11	0.003	87.03	0.10	0.10	0.00
5.95	0.11	0.003	87.03	0.10	0.10	0.00
6.00	0.12	0.003	87.03	0.10	0.10	0.00
6.05	0.12	0.003	87.03	0.11	0.11	0.00
6.10	0.12	0.003	87.03	0.11	0.11	0.00
6.15	0.12	0.003	87.03	0.11	0.11	0.00
6.20	0.12	0.003	87.03	0.11	0.11	0.00
6.25	0.12	0.003	87.03	0.11	0.11	0.00
6.30	0.12	0.003	87.03	0.11	0.11	0.00
6.35	0.12	0.004	87.03	0.11	0.11	0.00
6.40	0.12	0.004	87.03	0.11	0.11	0.00
6.45	0.12	0.004	87.03	0.12	0.12	0.00
6.50	0.13	0.004	87.03	0.12	0.12	0.00
6.55	0.13	0.004	87.03	0.12	0.12	0.00
6.60	0.13	0.004	87.03	0.12	0.12	0.00
6.65	0.13	0.004	87.03	0.12	0.12	0.00
6.70	0.13	0.004	87.03	0.12	0.12	0.00
6.75	0.13	0.004	87.03	0.12	0.12	0.00
6.80	0.13	0.004	87.03	0.12	0.12	0.00
6.85	0.14	0.004	87.03	0.13	0.13	0.00
6.90	0.14	0.004	87.03	0.13	0.13	0.00
6.95	0.14	0.004	87.03	0.13	0.13	0.00
7.00	0.14	0.004	87.03	0.13	0.13	0.00
7.05	0.14	0.004	87.03	0.13	0.13	0.00
7.10	0.14	0.004	87.03	0.13	0.13	0.00
7.15	0.14	0.004	87.03	0.13	0.13	0.00
7.20	0.14	0.004	87.04	0.13	0.13	0.00
7.25	0.15	0.004	87.04	0.14	0.14	0.00
7.30	0.15	0.004	87.04	0.14	0.14	0.00
7.35	0.15	0.004	87.04	0.14	0.14	0.00
7.40	0.15	0.004	87.04	0.14	0.14	0.00
7.45	0.15	0.004	87.04	0.14	0.14	0.00
7.50	0.15	0.004	87.04	0.14	0.14	0.00
7.55	0.15	0.005	87.04	0.14	0.14	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.16	0.005	87.04	0.15	0.15	0.00
7.65	0.16	0.005	87.04	0.15	0.15	0.00
7.70	0.16	0.005	87.04	0.15	0.15	0.00
7.75	0.16	0.005	87.04	0.15	0.15	0.00
7.80	0.16	0.005	87.04	0.15	0.15	0.00
7.85	0.16	0.005	87.04	0.15	0.15	0.00
7.90	0.16	0.005	87.04	0.15	0.15	0.00
7.95	0.17	0.005	87.04	0.16	0.16	0.00
8.00	0.17	0.005	87.04	0.16	0.16	0.00
8.05	0.17	0.005	87.04	0.16	0.16	0.00
8.10	0.17	0.005	87.04	0.16	0.16	0.00
8.15	0.17	0.005	87.04	0.16	0.16	0.00
8.20	0.17	0.005	87.04	0.16	0.16	0.00
8.25	0.17	0.005	87.04	0.16	0.16	0.00
8.30	0.18	0.005	87.04	0.17	0.17	0.00
8.35	0.18	0.005	87.04	0.17	0.17	0.00
8.40	0.18	0.005	87.04	0.17	0.17	0.00
8.45	0.18	0.005	87.04	0.17	0.17	0.00
8.50	0.18	0.005	87.04	0.17	0.17	0.00
8.55	0.18	0.005	87.04	0.17	0.17	0.00
8.60	0.18	0.005	87.05	0.17	0.17	0.00
8.65	0.19	0.005	87.05	0.17	0.17	0.00
8.70	0.19	0.006	87.05	0.18	0.18	0.00
8.75	0.19	0.006	87.05	0.18	0.18	0.00
8.80	0.19	0.006	87.05	0.18	0.18	0.00
8.85	0.19	0.006	87.05	0.18	0.18	0.00
8.90	0.19	0.006	87.05	0.18	0.18	0.00
8.95	0.19	0.006	87.05	0.18	0.18	0.00
9.00	0.20	0.006	87.05	0.18	0.18	0.00
9.05	0.20	0.006	87.05	0.19	0.19	0.00
9.10	0.20	0.006	87.05	0.19	0.19	0.00
9.15	0.20	0.006	87.05	0.19	0.19	0.00
9.20	0.20	0.006	87.05	0.19	0.19	0.00
9.25	0.21	0.006	87.05	0.19	0.19	0.00
9.30	0.21	0.006	87.05	0.19	0.19	0.00
9.35	0.21	0.006	87.05	0.19	0.19	0.00
9.40	0.22	0.006	87.05	0.19	0.19	0.00
9.45	0.22	0.006	87.05	0.19	0.19	0.00
9.50	0.23	0.007	87.05	0.19	0.19	0.00
9.55	0.23	0.007	87.06	0.19	0.19	0.00
9.60	0.24	0.007	87.06	0.19	0.19	0.00
9.65	0.24	0.007	87.06	0.19	0.19	0.00
9.70	0.24	0.007	87.06	0.19	0.19	0.00
9.75	0.25	0.007	87.06	0.19	0.19	0.00
9.80	0.25	0.008	87.06	0.20	0.20	0.00
9.85	0.26	0.008	87.07	0.20	0.20	0.00
9.90	0.26	0.008	87.07	0.20	0.20	0.00
9.95	0.27	0.008	87.07	0.20	0.20	0.00
10.00	0.27	0.009	87.07	0.20	0.20	0.00
10.05	0.27	0.009	87.08	0.20	0.20	0.00
10.10	0.28	0.009	87.08	0.20	0.20	0.00
10.15	0.28	0.010	87.08	0.20	0.20	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.29	0.010	87.08	0.20	0.20	0.00
10.25	0.29	0.010	87.09	0.20	0.20	0.00
10.30	0.30	0.011	87.09	0.20	0.20	0.00
10.35	0.30	0.011	87.09	0.20	0.20	0.00
10.40	0.31	0.012	87.10	0.20	0.20	0.00
10.45	0.31	0.012	87.10	0.20	0.20	0.00
10.50	0.31	0.013	87.10	0.20	0.20	0.00
10.55	0.32	0.013	87.11	0.20	0.20	0.00
10.60	0.33	0.014	87.11	0.21	0.21	0.00
10.65	0.34	0.014	87.12	0.21	0.21	0.00
10.70	0.35	0.015	87.12	0.21	0.21	0.00
10.75	0.36	0.015	87.13	0.21	0.21	0.00
10.80	0.37	0.016	87.13	0.21	0.21	0.00
10.85	0.38	0.016	87.14	0.21	0.21	0.00
10.90	0.40	0.017	87.14	0.21	0.21	0.00
10.95	0.41	0.018	87.15	0.21	0.21	0.00
11.00	0.42	0.019	87.16	0.22	0.22	0.00
11.05	0.44	0.020	87.16	0.22	0.22	0.00
11.10	0.46	0.021	87.17	0.22	0.22	0.00
11.15	0.47	0.022	87.18	0.22	0.22	0.00
11.20	0.49	0.023	87.19	0.22	0.22	0.00
11.25	0.52	0.024	87.20	0.22	0.22	0.00
11.30	0.54	0.025	87.21	0.23	0.23	0.00
11.35	0.56	0.027	87.22	0.23	0.23	0.00
11.40	0.58	0.028	87.23	0.23	0.23	0.00
11.45	0.61	0.029	87.25	0.23	0.23	0.00
11.50	0.63	0.031	87.26	0.24	0.24	0.00
11.55	0.66	0.033	87.27	0.24	0.24	0.00
11.60	0.70	0.035	87.29	0.24	0.24	0.00
11.65	0.76	0.037	87.30	0.25	0.25	0.00
11.70	0.81	0.039	87.32	0.25	0.25	0.00
11.75	0.87	0.041	87.34	0.26	0.26	0.00
11.80	0.95	0.044	87.37	0.26	0.26	0.00
11.85	1.06	0.047	87.39	0.27	0.27	0.00
11.90	1.22	0.050	87.42	0.28	0.28	0.00
11.95	1.43	0.055	87.46	0.28	0.28	0.00
12.00	1.76	0.060	87.50	0.29	0.29	0.00
12.05	2.22	0.067	87.56	0.31	0.31	0.00
12.10	2.86	0.076	87.64	0.33	0.33	0.00
12.15	3.50	0.088	87.73	0.35	0.35	0.00
12.20	3.62	0.101	87.84	0.38	0.38	0.00
12.25	3.32	0.114	87.95	0.41	0.41	0.00
12.30	2.96	0.125	88.03	0.43	0.43	0.00
12.35	2.61	0.135	88.08	0.44	0.44	0.00
12.40	2.30	0.143	88.12	0.46	0.46	0.00
12.45	2.03	0.150	88.16	0.47	0.47	0.00
12.50	1.80	0.156	88.19	0.48	0.48	0.00
12.55	1.62	0.161	88.22	0.48	0.48	0.00
12.60	1.45	0.166	88.24	0.49	0.49	0.00
12.65	1.30	0.169	88.26	0.50	0.50	0.00
12.70	1.17	0.172	88.28	0.50	0.50	0.00
12.75	1.06	0.175	88.29	0.51	0.51	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.97	0.177	88.30	0.51	0.51	0.00
12.85	0.90	0.179	88.31	0.51	0.51	0.00
12.90	0.84	0.180	88.32	0.52	0.52	0.00
12.95	0.79	0.182	88.32	0.52	0.52	0.00
13.00	0.75	0.183	88.33	0.52	0.52	0.00
13.05	0.72	0.183	88.33	0.52	0.52	0.00
13.10	0.68	0.184	88.34	0.52	0.52	0.00
13.15	0.65	0.185	88.34	0.52	0.52	0.00
13.20	0.62	0.185	88.34	0.52	0.52	0.00
13.25	0.60	0.186	88.35	0.52	0.52	0.00
13.30	0.58	0.186	88.35	0.52	0.52	0.00
13.35	0.56	0.186	88.35	0.53	0.53	0.00
13.40	0.54	0.186	88.35	0.53	0.53	0.00
13.45	0.53	0.186	88.35	0.53	0.53	0.00
13.50	0.51	0.186	88.35	0.53	0.53	0.00
13.55	0.49	0.186	88.35	0.53	0.53	0.00
13.60	0.48	0.186	88.35	0.52	0.52	0.00
13.65	0.46	0.186	88.35	0.52	0.52	0.00
13.70	0.45	0.185	88.34	0.52	0.52	0.00
13.75	0.44	0.185	88.34	0.52	0.52	0.00
13.80	0.43	0.185	88.34	0.52	0.52	0.00
13.85	0.42	0.184	88.34	0.52	0.52	0.00
13.90	0.41	0.184	88.34	0.52	0.52	0.00
13.95	0.40	0.183	88.33	0.52	0.52	0.00
14.00	0.40	0.183	88.33	0.52	0.52	0.00
14.05	0.39	0.182	88.33	0.52	0.52	0.00
14.10	0.39	0.182	88.33	0.52	0.52	0.00
14.15	0.38	0.181	88.32	0.52	0.52	0.00
14.20	0.38	0.181	88.32	0.52	0.52	0.00
14.25	0.37	0.180	88.32	0.52	0.52	0.00
14.30	0.37	0.179	88.31	0.51	0.51	0.00
14.35	0.36	0.179	88.31	0.51	0.51	0.00
14.40	0.36	0.178	88.31	0.51	0.51	0.00
14.45	0.35	0.178	88.30	0.51	0.51	0.00
14.50	0.35	0.177	88.30	0.51	0.51	0.00
14.55	0.34	0.176	88.30	0.51	0.51	0.00
14.60	0.34	0.175	88.29	0.51	0.51	0.00
14.65	0.33	0.175	88.29	0.51	0.51	0.00
14.70	0.33	0.174	88.28	0.51	0.51	0.00
14.75	0.32	0.173	88.28	0.50	0.50	0.00
14.80	0.32	0.173	88.28	0.50	0.50	0.00
14.85	0.31	0.172	88.27	0.50	0.50	0.00
14.90	0.31	0.171	88.27	0.50	0.50	0.00
14.95	0.30	0.170	88.26	0.50	0.50	0.00
15.00	0.30	0.169	88.26	0.50	0.50	0.00
15.05	0.29	0.169	88.26	0.50	0.50	0.00
15.10	0.29	0.168	88.25	0.49	0.49	0.00
15.15	0.28	0.167	88.25	0.49	0.49	0.00
15.20	0.28	0.166	88.24	0.49	0.49	0.00
15.25	0.28	0.165	88.24	0.49	0.49	0.00
15.30	0.27	0.164	88.23	0.49	0.49	0.00
15.35	0.27	0.163	88.23	0.49	0.49	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.27	0.162	88.22	0.49	0.49	0.00
15.45	0.26	0.161	88.22	0.48	0.48	0.00
15.50	0.26	0.161	88.21	0.48	0.48	0.00
15.55	0.26	0.160	88.21	0.48	0.48	0.00
15.60	0.26	0.159	88.20	0.48	0.48	0.00
15.65	0.26	0.158	88.20	0.48	0.48	0.00
15.70	0.25	0.157	88.19	0.48	0.48	0.00
15.75	0.25	0.156	88.19	0.48	0.48	0.00
15.80	0.25	0.155	88.18	0.47	0.47	0.00
15.85	0.25	0.154	88.18	0.47	0.47	0.00
15.90	0.25	0.153	88.17	0.47	0.47	0.00
15.95	0.25	0.152	88.17	0.47	0.47	0.00
16.00	0.24	0.151	88.16	0.47	0.47	0.00
16.05	0.24	0.150	88.16	0.47	0.47	0.00
16.10	0.24	0.149	88.15	0.46	0.46	0.00
16.15	0.24	0.149	88.15	0.46	0.46	0.00
16.20	0.24	0.148	88.15	0.46	0.46	0.00
16.25	0.24	0.147	88.14	0.46	0.46	0.00
16.30	0.24	0.146	88.14	0.46	0.46	0.00
16.35	0.23	0.145	88.13	0.46	0.46	0.00
16.40	0.23	0.144	88.13	0.46	0.46	0.00
16.45	0.23	0.143	88.12	0.45	0.45	0.00
16.50	0.23	0.142	88.12	0.45	0.45	0.00
16.55	0.23	0.141	88.11	0.45	0.45	0.00
16.60	0.23	0.140	88.11	0.45	0.45	0.00
16.65	0.22	0.139	88.10	0.45	0.45	0.00
16.70	0.22	0.138	88.10	0.45	0.45	0.00
16.75	0.22	0.137	88.09	0.45	0.45	0.00
16.80	0.22	0.136	88.09	0.44	0.44	0.00
16.85	0.22	0.136	88.08	0.44	0.44	0.00
16.90	0.22	0.135	88.08	0.44	0.44	0.00
16.95	0.22	0.134	88.07	0.44	0.44	0.00
17.00	0.21	0.133	88.07	0.44	0.44	0.00
17.05	0.21	0.132	88.06	0.44	0.44	0.00
17.10	0.21	0.131	88.06	0.44	0.44	0.00
17.15	0.21	0.130	88.05	0.43	0.43	0.00
17.20	0.21	0.129	88.05	0.43	0.43	0.00
17.25	0.21	0.128	88.04	0.43	0.43	0.00
17.30	0.20	0.127	88.04	0.43	0.43	0.00
17.35	0.20	0.126	88.03	0.43	0.43	0.00
17.40	0.20	0.125	88.03	0.43	0.43	0.00
17.45	0.20	0.124	88.02	0.42	0.42	0.00
17.50	0.20	0.124	88.02	0.42	0.42	0.00
17.55	0.20	0.123	88.01	0.42	0.42	0.00
17.60	0.20	0.122	88.01	0.42	0.42	0.00
17.65	0.19	0.121	88.00	0.42	0.42	0.00
17.70	0.19	0.120	88.00	0.42	0.42	0.00
17.75	0.19	0.119	87.99	0.42	0.42	0.00
17.80	0.19	0.118	87.98	0.41	0.41	0.00
17.85	0.19	0.117	87.98	0.41	0.41	0.00
17.90	0.19	0.116	87.97	0.41	0.41	0.00
17.95	0.18	0.115	87.96	0.41	0.41	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.18	0.114	87.95	0.41	0.41	0.00
18.05	0.18	0.113	87.94	0.40	0.40	0.00
18.10	0.18	0.112	87.94	0.40	0.40	0.00
18.15	0.18	0.112	87.93	0.40	0.40	0.00
18.20	0.18	0.111	87.92	0.40	0.40	0.00
18.25	0.18	0.110	87.91	0.40	0.40	0.00
18.30	0.17	0.109	87.91	0.39	0.39	0.00
18.35	0.17	0.108	87.90	0.39	0.39	0.00
18.40	0.17	0.107	87.89	0.39	0.39	0.00
18.45	0.17	0.106	87.88	0.39	0.39	0.00
18.50	0.17	0.105	87.88	0.39	0.39	0.00
18.55	0.17	0.104	87.87	0.38	0.38	0.00
18.60	0.17	0.103	87.86	0.38	0.38	0.00
18.65	0.17	0.103	87.85	0.38	0.38	0.00
18.70	0.17	0.102	87.85	0.38	0.38	0.00
18.75	0.17	0.101	87.84	0.38	0.38	0.00
18.80	0.17	0.100	87.83	0.38	0.38	0.00
18.85	0.17	0.099	87.83	0.37	0.37	0.00
18.90	0.17	0.098	87.82	0.37	0.37	0.00
18.95	0.17	0.097	87.81	0.37	0.37	0.00
19.00	0.17	0.097	87.80	0.37	0.37	0.00
19.05	0.17	0.096	87.80	0.37	0.37	0.00
19.10	0.17	0.095	87.79	0.36	0.36	0.00
19.15	0.17	0.094	87.78	0.36	0.36	0.00
19.20	0.16	0.093	87.78	0.36	0.36	0.00
19.25	0.16	0.092	87.77	0.36	0.36	0.00
19.30	0.16	0.092	87.76	0.36	0.36	0.00
19.35	0.16	0.091	87.76	0.36	0.36	0.00
19.40	0.16	0.090	87.75	0.35	0.35	0.00
19.45	0.16	0.089	87.74	0.35	0.35	0.00
19.50	0.16	0.089	87.74	0.35	0.35	0.00
19.55	0.16	0.088	87.73	0.35	0.35	0.00
19.60	0.16	0.087	87.72	0.35	0.35	0.00
19.65	0.16	0.086	87.72	0.35	0.35	0.00
19.70	0.16	0.085	87.71	0.34	0.34	0.00
19.75	0.16	0.085	87.71	0.34	0.34	0.00
19.80	0.16	0.084	87.70	0.34	0.34	0.00
19.85	0.16	0.083	87.69	0.34	0.34	0.00
19.90	0.16	0.082	87.69	0.34	0.34	0.00
19.95	0.16	0.082	87.68	0.34	0.34	0.00
20.00	0.16	0.081	87.67	0.34	0.34	0.00
20.05	0.16	0.080	87.67	0.33	0.33	0.00
20.10	0.16	0.080	87.66	0.33	0.33	0.00
20.15	0.16	0.079	87.66	0.33	0.33	0.00
20.20	0.16	0.078	87.65	0.33	0.33	0.00
20.25	0.16	0.077	87.64	0.33	0.33	0.00
20.30	0.16	0.077	87.64	0.33	0.33	0.00
20.35	0.16	0.076	87.63	0.33	0.33	0.00
20.40	0.16	0.075	87.63	0.32	0.32	0.00
20.45	0.16	0.075	87.62	0.32	0.32	0.00
20.50	0.16	0.074	87.62	0.32	0.32	0.00
20.55	0.16	0.073	87.61	0.32	0.32	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.15	0.073	87.60	0.32	0.32	0.00
20.65	0.15	0.072	87.60	0.32	0.32	0.00
20.70	0.15	0.071	87.59	0.32	0.32	0.00
20.75	0.15	0.071	87.59	0.31	0.31	0.00
20.80	0.15	0.070	87.58	0.31	0.31	0.00
20.85	0.15	0.069	87.58	0.31	0.31	0.00
20.90	0.15	0.069	87.57	0.31	0.31	0.00
20.95	0.15	0.068	87.57	0.31	0.31	0.00
21.00	0.15	0.067	87.56	0.31	0.31	0.00
21.05	0.15	0.067	87.55	0.31	0.31	0.00
21.10	0.15	0.066	87.55	0.31	0.31	0.00
21.15	0.15	0.065	87.54	0.30	0.30	0.00
21.20	0.15	0.065	87.54	0.30	0.30	0.00
21.25	0.15	0.064	87.53	0.30	0.30	0.00
21.30	0.15	0.063	87.53	0.30	0.30	0.00
21.35	0.15	0.063	87.52	0.30	0.30	0.00
21.40	0.15	0.062	87.52	0.30	0.30	0.00
21.45	0.15	0.062	87.51	0.30	0.30	0.00
21.50	0.15	0.061	87.51	0.30	0.30	0.00
21.55	0.15	0.060	87.50	0.29	0.29	0.00
21.60	0.15	0.060	87.50	0.29	0.29	0.00
21.65	0.15	0.059	87.49	0.29	0.29	0.00
21.70	0.15	0.059	87.49	0.29	0.29	0.00
21.75	0.15	0.058	87.48	0.29	0.29	0.00
21.80	0.15	0.057	87.48	0.29	0.29	0.00
21.85	0.15	0.057	87.47	0.29	0.29	0.00
21.90	0.14	0.056	87.47	0.29	0.29	0.00
21.95	0.14	0.056	87.46	0.28	0.28	0.00
22.00	0.14	0.055	87.46	0.28	0.28	0.00
22.05	0.14	0.054	87.45	0.28	0.28	0.00
22.10	0.14	0.054	87.45	0.28	0.28	0.00
22.15	0.14	0.053	87.44	0.28	0.28	0.00
22.20	0.14	0.053	87.44	0.28	0.28	0.00
22.25	0.14	0.052	87.43	0.28	0.28	0.00
22.30	0.14	0.052	87.43	0.28	0.28	0.00
22.35	0.14	0.051	87.43	0.28	0.28	0.00
22.40	0.14	0.051	87.42	0.28	0.28	0.00
22.45	0.14	0.050	87.42	0.27	0.27	0.00
22.50	0.14	0.049	87.41	0.27	0.27	0.00
22.55	0.14	0.049	87.41	0.27	0.27	0.00
22.60	0.14	0.048	87.40	0.27	0.27	0.00
22.65	0.14	0.048	87.40	0.27	0.27	0.00
22.70	0.14	0.047	87.39	0.27	0.27	0.00
22.75	0.14	0.047	87.39	0.27	0.27	0.00
22.80	0.14	0.046	87.38	0.27	0.27	0.00
22.85	0.14	0.046	87.38	0.27	0.27	0.00
22.90	0.14	0.045	87.38	0.26	0.26	0.00
22.95	0.14	0.045	87.37	0.26	0.26	0.00
23.00	0.14	0.044	87.37	0.26	0.26	0.00
23.05	0.14	0.044	87.36	0.26	0.26	0.00
23.10	0.14	0.043	87.36	0.26	0.26	0.00
23.15	0.14	0.042	87.35	0.26	0.26	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.13	0.042	87.35	0.26	0.26	0.00
23.25	0.13	0.041	87.35	0.26	0.26	0.00
23.30	0.13	0.041	87.34	0.26	0.26	0.00
23.35	0.13	0.040	87.34	0.26	0.26	0.00
23.40	0.13	0.040	87.33	0.25	0.25	0.00
23.45	0.13	0.039	87.33	0.25	0.25	0.00
23.50	0.13	0.039	87.32	0.25	0.25	0.00
23.55	0.13	0.038	87.32	0.25	0.25	0.00
23.60	0.13	0.038	87.32	0.25	0.25	0.00
23.65	0.13	0.037	87.31	0.25	0.25	0.00
23.70	0.13	0.037	87.31	0.25	0.25	0.00
23.75	0.13	0.036	87.30	0.25	0.25	0.00
23.80	0.13	0.036	87.30	0.25	0.25	0.00
23.85	0.13	0.036	87.30	0.25	0.25	0.00
23.90	0.13	0.035	87.29	0.25	0.25	0.00
23.95	0.13	0.035	87.29	0.24	0.24	0.00
24.00	0.13	0.034	87.28	0.24	0.24	0.00
24.05	0.13	0.034	87.28	0.24	0.24	0.00
24.10	0.12	0.033	87.28	0.24	0.24	0.00
24.15	0.10	0.033	87.27	0.24	0.24	0.00
24.20	0.08	0.032	87.27	0.24	0.24	0.00
24.25	0.07	0.031	87.26	0.24	0.24	0.00
24.30	0.06	0.031	87.25	0.24	0.24	0.00
24.35	0.05	0.030	87.25	0.24	0.24	0.00
24.40	0.04	0.029	87.24	0.23	0.23	0.00
24.45	0.04	0.028	87.24	0.23	0.23	0.00
24.50	0.03	0.027	87.23	0.23	0.23	0.00
24.55	0.03	0.027	87.22	0.23	0.23	0.00
24.60	0.02	0.026	87.21	0.23	0.23	0.00
24.65	0.02	0.025	87.21	0.23	0.23	0.00
24.70	0.02	0.024	87.20	0.22	0.22	0.00
24.75	0.02	0.023	87.19	0.22	0.22	0.00
24.80	0.01	0.022	87.19	0.22	0.22	0.00
24.85	0.01	0.021	87.18	0.22	0.22	0.00
24.90	0.01	0.021	87.17	0.22	0.22	0.00
24.95	0.01	0.020	87.16	0.22	0.22	0.00
25.00	0.01	0.019	87.16	0.22	0.22	0.00
25.05	0.01	0.018	87.15	0.21	0.21	0.00
25.10	0.01	0.017	87.14	0.21	0.21	0.00
25.15	0.01	0.016	87.14	0.21	0.21	0.00
25.20	0.01	0.015	87.13	0.21	0.21	0.00
25.25	0.00	0.015	87.12	0.21	0.21	0.00
25.30	0.00	0.014	87.11	0.21	0.21	0.00
25.35	0.00	0.013	87.11	0.20	0.20	0.00
25.40	0.00	0.012	87.10	0.20	0.20	0.00
25.45	0.00	0.011	87.09	0.20	0.20	0.00
25.50	0.00	0.011	87.09	0.20	0.20	0.00
25.55	0.00	0.010	87.08	0.20	0.20	0.00
25.60	0.00	0.009	87.07	0.20	0.20	0.00
25.65	0.00	0.008	87.07	0.20	0.20	0.00
25.70	0.00	0.007	87.06	0.19	0.19	0.00
25.75	0.00	0.006	87.05	0.19	0.19	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.006	87.05	0.18	0.18	0.00
25.85	0.00	0.005	87.04	0.16	0.16	0.00
25.90	0.00	0.004	87.04	0.14	0.14	0.00
25.95	0.00	0.004	87.03	0.12	0.12	0.00
26.00	0.00	0.003	87.03	0.11	0.11	0.00
26.05	0.00	0.003	87.02	0.09	0.09	0.00
26.10	0.00	0.003	87.02	0.08	0.08	0.00
26.15	0.00	0.002	87.02	0.07	0.07	0.00
26.20	0.00	0.002	87.02	0.06	0.06	0.00
26.25	0.00	0.002	87.01	0.06	0.06	0.00
26.30	0.00	0.002	87.01	0.05	0.05	0.00
26.35	0.00	0.001	87.01	0.04	0.04	0.00
26.40	0.00	0.001	87.01	0.04	0.04	0.00
26.45	0.00	0.001	87.01	0.03	0.03	0.00
26.50	0.00	0.001	87.01	0.03	0.03	0.00
26.55	0.00	0.001	87.01	0.03	0.03	0.00
26.60	0.00	0.001	87.01	0.02	0.02	0.00
26.65	0.00	0.001	87.01	0.02	0.02	0.00
26.70	0.00	0.001	87.00	0.02	0.02	0.00
26.75	0.00	0.000	87.00	0.02	0.02	0.00
26.80	0.00	0.000	87.00	0.01	0.01	0.00
26.85	0.00	0.000	87.00	0.01	0.01	0.00
26.90	0.00	0.000	87.00	0.01	0.01	0.00
26.95	0.00	0.000	87.00	0.01	0.01	0.00
27.00	0.00	0.000	87.00	0.01	0.01	0.00
27.05	0.00	0.000	87.00	0.01	0.01	0.00
27.10	0.00	0.000	87.00	0.01	0.01	0.00
27.15	0.00	0.000	87.00	0.01	0.01	0.00
27.20	0.00	0.000	87.00	0.00	0.00	0.00
27.25	0.00	0.000	87.00	0.00	0.00	0.00
27.30	0.00	0.000	87.00	0.00	0.00	0.00
27.35	0.00	0.000	87.00	0.00	0.00	0.00
27.40	0.00	0.000	87.00	0.00	0.00	0.00
27.45	0.00	0.000	87.00	0.00	0.00	0.00
27.50	0.00	0.000	87.00	0.00	0.00	0.00
27.55	0.00	0.000	87.00	0.00	0.00	0.00
27.60	0.00	0.000	87.00	0.00	0.00	0.00
27.65	0.00	0.000	87.00	0.00	0.00	0.00
27.70	0.00	0.000	87.00	0.00	0.00	0.00
27.75	0.00	0.000	87.00	0.00	0.00	0.00
27.80	0.00	0.000	87.00	0.00	0.00	0.00
27.85	0.00	0.000	87.00	0.00	0.00	0.00
27.90	0.00	0.000	87.00	0.00	0.00	0.00
27.95	0.00	0.000	87.00	0.00	0.00	0.00
28.00	0.00	0.000	87.00	0.00	0.00	0.00
28.05	0.00	0.000	87.00	0.00	0.00	0.00
28.10	0.00	0.000	87.00	0.00	0.00	0.00
28.15	0.00	0.000	87.00	0.00	0.00	0.00
28.20	0.00	0.000	87.00	0.00	0.00	0.00
28.25	0.00	0.000	87.00	0.00	0.00	0.00
28.30	0.00	0.000	87.00	0.00	0.00	0.00
28.35	0.00	0.000	87.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	87.00	0.00	0.00	0.00
28.45	0.00	0.000	87.00	0.00	0.00	0.00
28.50	0.00	0.000	87.00	0.00	0.00	0.00
28.55	0.00	0.000	87.00	0.00	0.00	0.00
28.60	0.00	0.000	87.00	0.00	0.00	0.00
28.65	0.00	0.000	87.00	0.00	0.00	0.00
28.70	0.00	0.000	87.00	0.00	0.00	0.00
28.75	0.00	0.000	87.00	0.00	0.00	0.00
28.80	0.00	0.000	87.00	0.00	0.00	0.00
28.85	0.00	0.000	87.00	0.00	0.00	0.00
28.90	0.00	0.000	87.00	0.00	0.00	0.00
28.95	0.00	0.000	87.00	0.00	0.00	0.00
29.00	0.00	0.000	87.00	0.00	0.00	0.00
29.05	0.00	0.000	87.00	0.00	0.00	0.00
29.10	0.00	0.000	87.00	0.00	0.00	0.00
29.15	0.00	0.000	87.00	0.00	0.00	0.00
29.20	0.00	0.000	87.00	0.00	0.00	0.00
29.25	0.00	0.000	87.00	0.00	0.00	0.00
29.30	0.00	0.000	87.00	0.00	0.00	0.00
29.35	0.00	0.000	87.00	0.00	0.00	0.00
29.40	0.00	0.000	87.00	0.00	0.00	0.00
29.45	0.00	0.000	87.00	0.00	0.00	0.00
29.50	0.00	0.000	87.00	0.00	0.00	0.00
29.55	0.00	0.000	87.00	0.00	0.00	0.00
29.60	0.00	0.000	87.00	0.00	0.00	0.00
29.65	0.00	0.000	87.00	0.00	0.00	0.00
29.70	0.00	0.000	87.00	0.00	0.00	0.00
29.75	0.00	0.000	87.00	0.00	0.00	0.00
29.80	0.00	0.000	87.00	0.00	0.00	0.00
29.85	0.00	0.000	87.00	0.00	0.00	0.00
29.90	0.00	0.000	87.00	0.00	0.00	0.00
29.95	0.00	0.000	87.00	0.00	0.00	0.00
30.00	0.00	0.000	87.00	0.00	0.00	0.00

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Summary for Pond Basin 3: Basin 3

Inflow Area = 4.500 ac, 26.67% Impervious, Inflow Depth > 1.53" for 10 year event
 Inflow = 3.79 cfs @ 12.19 hrs, Volume= 0.574 af
 Outflow = 0.66 cfs @ 13.26 hrs, Volume= 0.574 af, Atten= 83%, Lag= 64.4 min
 Discarded = 0.66 cfs @ 13.26 hrs, Volume= 0.574 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 86.66' @ 13.26 hrs Surf.Area= 0.253 ac Storage= 0.159 af

Plug-Flow detention time= 91.6 min calculated for 0.573 af (100% of inflow)
 Center-of-Mass det. time= 91.1 min (918.8 - 827.8)

Volume	Invert	Avail.Storage	Storage Description
#1	86.00'	1.950 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
86.00	0.200	0.000	0.000
87.00	0.280	0.240	0.240
88.00	0.360	0.320	0.560
89.00	0.420	0.390	0.950
90.00	0.500	0.460	1.410
91.00	0.580	0.540	1.950

Device	Routing	Invert	Outlet Devices
#1	Discarded	86.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 84.00'
#2	Primary	87.00'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	88.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.66 cfs @ 13.26 hrs HW=86.66' (Free Discharge)
 ↑1=Exfiltration (Controls 0.66 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=86.00' (Free Discharge)
 ↑2=Orifice/Grate (Controls 0.00 cfs)
 ↑3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 3: Basin 3

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.11	0.000	86.00	0.01	0.01	0.00
5.05	0.11	0.001	86.00	0.02	0.02	0.00
5.10	0.11	0.001	86.00	0.03	0.03	0.00
5.15	0.11	0.001	86.01	0.04	0.04	0.00
5.20	0.11	0.002	86.01	0.05	0.05	0.00
5.25	0.11	0.002	86.01	0.06	0.06	0.00
5.30	0.11	0.002	86.01	0.07	0.07	0.00
5.35	0.11	0.002	86.01	0.07	0.07	0.00
5.40	0.11	0.002	86.01	0.08	0.08	0.00
5.45	0.11	0.002	86.01	0.08	0.08	0.00
5.50	0.12	0.003	86.01	0.09	0.09	0.00
5.55	0.12	0.003	86.01	0.09	0.09	0.00
5.60	0.12	0.003	86.01	0.10	0.10	0.00
5.65	0.12	0.003	86.01	0.10	0.10	0.00
5.70	0.12	0.003	86.01	0.10	0.10	0.00
5.75	0.12	0.003	86.01	0.10	0.10	0.00
5.80	0.12	0.003	86.01	0.10	0.10	0.00
5.85	0.12	0.003	86.01	0.11	0.11	0.00
5.90	0.12	0.003	86.01	0.11	0.11	0.00
5.95	0.12	0.003	86.01	0.11	0.11	0.00
6.00	0.12	0.003	86.01	0.11	0.11	0.00
6.05	0.12	0.003	86.01	0.11	0.11	0.00
6.10	0.12	0.003	86.01	0.11	0.11	0.00
6.15	0.12	0.003	86.01	0.11	0.11	0.00
6.20	0.12	0.003	86.01	0.12	0.12	0.00
6.25	0.12	0.003	86.01	0.12	0.12	0.00
6.30	0.13	0.003	86.01	0.12	0.12	0.00
6.35	0.13	0.003	86.01	0.12	0.12	0.00
6.40	0.13	0.003	86.01	0.12	0.12	0.00
6.45	0.13	0.003	86.01	0.12	0.12	0.00
6.50	0.13	0.003	86.01	0.12	0.12	0.00
6.55	0.13	0.004	86.01	0.12	0.12	0.00
6.60	0.13	0.004	86.01	0.13	0.13	0.00
6.65	0.14	0.004	86.01	0.13	0.13	0.00
6.70	0.14	0.004	86.02	0.13	0.13	0.00
6.75	0.14	0.004	86.02	0.13	0.13	0.00
6.80	0.14	0.004	86.02	0.13	0.13	0.00
6.85	0.14	0.004	86.02	0.13	0.13	0.00
6.90	0.14	0.004	86.02	0.13	0.13	0.00
6.95	0.14	0.004	86.02	0.13	0.13	0.00
7.00	0.15	0.004	86.02	0.14	0.14	0.00
7.05	0.15	0.004	86.02	0.14	0.14	0.00
7.10	0.15	0.004	86.02	0.14	0.14	0.00
7.15	0.15	0.004	86.02	0.14	0.14	0.00
7.20	0.15	0.004	86.02	0.14	0.14	0.00
7.25	0.15	0.004	86.02	0.14	0.14	0.00
7.30	0.15	0.004	86.02	0.14	0.14	0.00
7.35	0.16	0.004	86.02	0.15	0.15	0.00
7.40	0.16	0.004	86.02	0.15	0.15	0.00
7.45	0.16	0.004	86.02	0.15	0.15	0.00
7.50	0.16	0.004	86.02	0.15	0.15	0.00
7.55	0.16	0.004	86.02	0.15	0.15	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.16	0.004	86.02	0.15	0.15	0.00
7.65	0.16	0.004	86.02	0.15	0.15	0.00
7.70	0.17	0.004	86.02	0.16	0.16	0.00
7.75	0.17	0.004	86.02	0.16	0.16	0.00
7.80	0.17	0.005	86.02	0.16	0.16	0.00
7.85	0.17	0.005	86.02	0.16	0.16	0.00
7.90	0.17	0.005	86.02	0.16	0.16	0.00
7.95	0.17	0.005	86.02	0.16	0.16	0.00
8.00	0.17	0.005	86.02	0.16	0.16	0.00
8.05	0.18	0.005	86.02	0.17	0.17	0.00
8.10	0.18	0.005	86.02	0.17	0.17	0.00
8.15	0.18	0.005	86.02	0.17	0.17	0.00
8.20	0.18	0.005	86.02	0.17	0.17	0.00
8.25	0.18	0.005	86.02	0.17	0.17	0.00
8.30	0.18	0.005	86.02	0.17	0.17	0.00
8.35	0.18	0.005	86.02	0.17	0.17	0.00
8.40	0.19	0.005	86.02	0.18	0.18	0.00
8.45	0.19	0.005	86.02	0.18	0.18	0.00
8.50	0.19	0.005	86.02	0.18	0.18	0.00
8.55	0.19	0.005	86.02	0.18	0.18	0.00
8.60	0.19	0.005	86.02	0.18	0.18	0.00
8.65	0.19	0.005	86.02	0.18	0.18	0.00
8.70	0.19	0.005	86.02	0.18	0.18	0.00
8.75	0.20	0.005	86.02	0.19	0.19	0.00
8.80	0.20	0.005	86.02	0.19	0.19	0.00
8.85	0.20	0.005	86.02	0.19	0.19	0.00
8.90	0.20	0.005	86.02	0.19	0.19	0.00
8.95	0.20	0.005	86.02	0.19	0.19	0.00
9.00	0.20	0.006	86.02	0.19	0.19	0.00
9.05	0.21	0.006	86.02	0.20	0.20	0.00
9.10	0.21	0.006	86.02	0.20	0.20	0.00
9.15	0.21	0.006	86.02	0.20	0.20	0.00
9.20	0.21	0.006	86.02	0.20	0.20	0.00
9.25	0.22	0.006	86.02	0.20	0.20	0.00
9.30	0.22	0.006	86.02	0.20	0.20	0.00
9.35	0.22	0.006	86.02	0.21	0.21	0.00
9.40	0.23	0.006	86.02	0.21	0.21	0.00
9.45	0.23	0.006	86.03	0.21	0.21	0.00
9.50	0.24	0.006	86.03	0.22	0.22	0.00
9.55	0.24	0.006	86.03	0.22	0.22	0.00
9.60	0.25	0.006	86.03	0.22	0.22	0.00
9.65	0.25	0.006	86.03	0.23	0.23	0.00
9.70	0.25	0.007	86.03	0.23	0.23	0.00
9.75	0.26	0.007	86.03	0.23	0.23	0.00
9.80	0.26	0.007	86.03	0.24	0.24	0.00
9.85	0.27	0.007	86.03	0.24	0.24	0.00
9.90	0.27	0.007	86.03	0.24	0.24	0.00
9.95	0.28	0.007	86.03	0.25	0.25	0.00
10.00	0.28	0.007	86.03	0.25	0.25	0.00
10.05	0.29	0.007	86.03	0.26	0.26	0.00
10.10	0.29	0.007	86.03	0.26	0.26	0.00
10.15	0.30	0.008	86.03	0.27	0.27	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.30	0.008	86.03	0.27	0.27	0.00
10.25	0.31	0.008	86.03	0.27	0.27	0.00
10.30	0.31	0.008	86.03	0.28	0.28	0.00
10.35	0.31	0.008	86.03	0.28	0.28	0.00
10.40	0.32	0.008	86.03	0.29	0.29	0.00
10.45	0.32	0.008	86.03	0.29	0.29	0.00
10.50	0.33	0.008	86.04	0.30	0.30	0.00
10.55	0.33	0.009	86.04	0.30	0.30	0.00
10.60	0.34	0.009	86.04	0.31	0.31	0.00
10.65	0.35	0.009	86.04	0.31	0.31	0.00
10.70	0.36	0.009	86.04	0.32	0.32	0.00
10.75	0.37	0.009	86.04	0.32	0.32	0.00
10.80	0.39	0.009	86.04	0.33	0.33	0.00
10.85	0.40	0.010	86.04	0.34	0.34	0.00
10.90	0.41	0.010	86.04	0.35	0.35	0.00
10.95	0.43	0.010	86.04	0.36	0.36	0.00
11.00	0.44	0.010	86.04	0.37	0.37	0.00
11.05	0.46	0.011	86.05	0.38	0.38	0.00
11.10	0.48	0.011	86.05	0.39	0.39	0.00
11.15	0.50	0.012	86.05	0.40	0.40	0.00
11.20	0.52	0.012	86.05	0.42	0.42	0.00
11.25	0.54	0.012	86.05	0.42	0.42	0.00
11.30	0.56	0.013	86.05	0.42	0.42	0.00
11.35	0.59	0.013	86.06	0.42	0.42	0.00
11.40	0.61	0.014	86.06	0.42	0.42	0.00
11.45	0.63	0.015	86.06	0.43	0.43	0.00
11.50	0.66	0.016	86.07	0.43	0.43	0.00
11.55	0.69	0.017	86.07	0.43	0.43	0.00
11.60	0.73	0.018	86.08	0.43	0.43	0.00
11.65	0.79	0.019	86.08	0.43	0.43	0.00
11.70	0.85	0.021	86.09	0.44	0.44	0.00
11.75	0.91	0.023	86.10	0.44	0.44	0.00
11.80	0.99	0.025	86.10	0.44	0.44	0.00
11.85	1.11	0.028	86.11	0.45	0.45	0.00
11.90	1.27	0.031	86.13	0.45	0.45	0.00
11.95	1.50	0.034	86.14	0.46	0.46	0.00
12.00	1.84	0.039	86.16	0.46	0.46	0.00
12.05	2.32	0.046	86.19	0.47	0.47	0.00
12.10	2.99	0.055	86.23	0.49	0.49	0.00
12.15	3.65	0.067	86.28	0.51	0.51	0.00
12.20	3.78	0.080	86.33	0.53	0.53	0.00
12.25	3.47	0.093	86.39	0.55	0.55	0.00
12.30	3.09	0.104	86.43	0.57	0.57	0.00
12.35	2.73	0.114	86.47	0.58	0.58	0.00
12.40	2.41	0.122	86.51	0.60	0.60	0.00
12.45	2.12	0.129	86.54	0.61	0.61	0.00
12.50	1.89	0.134	86.56	0.62	0.62	0.00
12.55	1.70	0.139	86.58	0.63	0.63	0.00
12.60	1.53	0.143	86.60	0.63	0.63	0.00
12.65	1.37	0.147	86.61	0.64	0.64	0.00
12.70	1.24	0.149	86.62	0.64	0.64	0.00
12.75	1.13	0.152	86.63	0.65	0.65	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	1.04	0.153	86.64	0.65	0.65	0.00
12.85	0.97	0.155	86.65	0.65	0.65	0.00
12.90	0.91	0.156	86.65	0.65	0.65	0.00
12.95	0.86	0.157	86.65	0.66	0.66	0.00
13.00	0.82	0.158	86.66	0.66	0.66	0.00
13.05	0.78	0.158	86.66	0.66	0.66	0.00
13.10	0.75	0.159	86.66	0.66	0.66	0.00
13.15	0.71	0.159	86.66	0.66	0.66	0.00
13.20	0.69	0.159	86.66	0.66	0.66	0.00
13.25	0.66	0.159	86.66	0.66	0.66	0.00
13.30	0.64	0.159	86.66	0.66	0.66	0.00
13.35	0.62	0.159	86.66	0.66	0.66	0.00
13.40	0.61	0.159	86.66	0.66	0.66	0.00
13.45	0.59	0.159	86.66	0.66	0.66	0.00
13.50	0.57	0.159	86.66	0.66	0.66	0.00
13.55	0.56	0.158	86.66	0.66	0.66	0.00
13.60	0.54	0.158	86.66	0.66	0.66	0.00
13.65	0.52	0.157	86.65	0.66	0.66	0.00
13.70	0.51	0.157	86.65	0.65	0.65	0.00
13.75	0.50	0.156	86.65	0.65	0.65	0.00
13.80	0.49	0.155	86.65	0.65	0.65	0.00
13.85	0.48	0.155	86.64	0.65	0.65	0.00
13.90	0.47	0.154	86.64	0.65	0.65	0.00
13.95	0.46	0.153	86.64	0.65	0.65	0.00
14.00	0.45	0.152	86.63	0.65	0.65	0.00
14.05	0.45	0.152	86.63	0.65	0.65	0.00
14.10	0.44	0.151	86.63	0.64	0.64	0.00
14.15	0.44	0.150	86.62	0.64	0.64	0.00
14.20	0.43	0.149	86.62	0.64	0.64	0.00
14.25	0.43	0.148	86.62	0.64	0.64	0.00
14.30	0.42	0.147	86.61	0.64	0.64	0.00
14.35	0.42	0.146	86.61	0.64	0.64	0.00
14.40	0.41	0.145	86.61	0.64	0.64	0.00
14.45	0.40	0.144	86.60	0.63	0.63	0.00
14.50	0.40	0.144	86.60	0.63	0.63	0.00
14.55	0.39	0.143	86.59	0.63	0.63	0.00
14.60	0.39	0.142	86.59	0.63	0.63	0.00
14.65	0.38	0.141	86.59	0.63	0.63	0.00
14.70	0.38	0.140	86.58	0.63	0.63	0.00
14.75	0.37	0.139	86.58	0.62	0.62	0.00
14.80	0.37	0.137	86.57	0.62	0.62	0.00
14.85	0.36	0.136	86.57	0.62	0.62	0.00
14.90	0.36	0.135	86.56	0.62	0.62	0.00
14.95	0.35	0.134	86.56	0.62	0.62	0.00
15.00	0.35	0.133	86.55	0.62	0.62	0.00
15.05	0.34	0.132	86.55	0.61	0.61	0.00
15.10	0.34	0.131	86.55	0.61	0.61	0.00
15.15	0.33	0.130	86.54	0.61	0.61	0.00
15.20	0.33	0.129	86.54	0.61	0.61	0.00
15.25	0.32	0.127	86.53	0.61	0.61	0.00
15.30	0.32	0.126	86.53	0.60	0.60	0.00
15.35	0.31	0.125	86.52	0.60	0.60	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.31	0.124	86.52	0.60	0.60	0.00
15.45	0.31	0.123	86.51	0.60	0.60	0.00
15.50	0.31	0.122	86.51	0.60	0.60	0.00
15.55	0.30	0.120	86.50	0.59	0.59	0.00
15.60	0.30	0.119	86.50	0.59	0.59	0.00
15.65	0.30	0.118	86.49	0.59	0.59	0.00
15.70	0.30	0.117	86.49	0.59	0.59	0.00
15.75	0.30	0.116	86.48	0.59	0.59	0.00
15.80	0.29	0.114	86.48	0.58	0.58	0.00
15.85	0.29	0.113	86.47	0.58	0.58	0.00
15.90	0.29	0.112	86.47	0.58	0.58	0.00
15.95	0.29	0.111	86.46	0.58	0.58	0.00
16.00	0.29	0.110	86.46	0.58	0.58	0.00
16.05	0.28	0.108	86.45	0.57	0.57	0.00
16.10	0.28	0.107	86.45	0.57	0.57	0.00
16.15	0.28	0.106	86.44	0.57	0.57	0.00
16.20	0.28	0.105	86.44	0.57	0.57	0.00
16.25	0.28	0.104	86.43	0.57	0.57	0.00
16.30	0.28	0.102	86.43	0.56	0.56	0.00
16.35	0.27	0.101	86.42	0.56	0.56	0.00
16.40	0.27	0.100	86.42	0.56	0.56	0.00
16.45	0.27	0.099	86.41	0.56	0.56	0.00
16.50	0.27	0.098	86.41	0.56	0.56	0.00
16.55	0.27	0.096	86.40	0.55	0.55	0.00
16.60	0.27	0.095	86.40	0.55	0.55	0.00
16.65	0.26	0.094	86.39	0.55	0.55	0.00
16.70	0.26	0.093	86.39	0.55	0.55	0.00
16.75	0.26	0.092	86.38	0.55	0.55	0.00
16.80	0.26	0.091	86.38	0.54	0.54	0.00
16.85	0.26	0.089	86.37	0.54	0.54	0.00
16.90	0.26	0.088	86.37	0.54	0.54	0.00
16.95	0.25	0.087	86.36	0.54	0.54	0.00
17.00	0.25	0.086	86.36	0.54	0.54	0.00
17.05	0.25	0.085	86.35	0.54	0.54	0.00
17.10	0.25	0.083	86.35	0.53	0.53	0.00
17.15	0.25	0.082	86.34	0.53	0.53	0.00
17.20	0.25	0.081	86.34	0.53	0.53	0.00
17.25	0.24	0.080	86.33	0.53	0.53	0.00
17.30	0.24	0.079	86.33	0.53	0.53	0.00
17.35	0.24	0.078	86.32	0.52	0.52	0.00
17.40	0.24	0.076	86.32	0.52	0.52	0.00
17.45	0.24	0.075	86.31	0.52	0.52	0.00
17.50	0.24	0.074	86.31	0.52	0.52	0.00
17.55	0.23	0.073	86.30	0.52	0.52	0.00
17.60	0.23	0.072	86.30	0.51	0.51	0.00
17.65	0.23	0.071	86.29	0.51	0.51	0.00
17.70	0.23	0.069	86.29	0.51	0.51	0.00
17.75	0.23	0.068	86.28	0.51	0.51	0.00
17.80	0.23	0.067	86.28	0.51	0.51	0.00
17.85	0.22	0.066	86.27	0.51	0.51	0.00
17.90	0.22	0.065	86.27	0.50	0.50	0.00
17.95	0.22	0.064	86.27	0.50	0.50	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.22	0.062	86.26	0.50	0.50	0.00
18.05	0.22	0.061	86.26	0.50	0.50	0.00
18.10	0.21	0.060	86.25	0.50	0.50	0.00
18.15	0.21	0.059	86.25	0.49	0.49	0.00
18.20	0.21	0.058	86.24	0.49	0.49	0.00
18.25	0.21	0.057	86.24	0.49	0.49	0.00
18.30	0.21	0.055	86.23	0.49	0.49	0.00
18.35	0.21	0.054	86.23	0.49	0.49	0.00
18.40	0.21	0.053	86.22	0.49	0.49	0.00
18.45	0.21	0.052	86.22	0.48	0.48	0.00
18.50	0.20	0.051	86.21	0.48	0.48	0.00
18.55	0.20	0.050	86.21	0.48	0.48	0.00
18.60	0.20	0.049	86.20	0.48	0.48	0.00
18.65	0.20	0.047	86.20	0.48	0.48	0.00
18.70	0.20	0.046	86.19	0.47	0.47	0.00
18.75	0.20	0.045	86.19	0.47	0.47	0.00
18.80	0.20	0.044	86.18	0.47	0.47	0.00
18.85	0.20	0.043	86.18	0.47	0.47	0.00
18.90	0.20	0.042	86.17	0.47	0.47	0.00
18.95	0.20	0.041	86.17	0.47	0.47	0.00
19.00	0.20	0.040	86.17	0.46	0.46	0.00
19.05	0.20	0.039	86.16	0.46	0.46	0.00
19.10	0.20	0.037	86.16	0.46	0.46	0.00
19.15	0.20	0.036	86.15	0.46	0.46	0.00
19.20	0.20	0.035	86.15	0.46	0.46	0.00
19.25	0.20	0.034	86.14	0.46	0.46	0.00
19.30	0.20	0.033	86.14	0.45	0.45	0.00
19.35	0.20	0.032	86.13	0.45	0.45	0.00
19.40	0.19	0.031	86.13	0.45	0.45	0.00
19.45	0.19	0.030	86.12	0.45	0.45	0.00
19.50	0.19	0.029	86.12	0.45	0.45	0.00
19.55	0.19	0.028	86.12	0.45	0.45	0.00
19.60	0.19	0.027	86.11	0.44	0.44	0.00
19.65	0.19	0.026	86.11	0.44	0.44	0.00
19.70	0.19	0.025	86.10	0.44	0.44	0.00
19.75	0.19	0.024	86.10	0.44	0.44	0.00
19.80	0.19	0.023	86.09	0.44	0.44	0.00
19.85	0.19	0.022	86.09	0.44	0.44	0.00
19.90	0.19	0.021	86.09	0.43	0.43	0.00
19.95	0.19	0.020	86.08	0.43	0.43	0.00
20.00	0.19	0.019	86.08	0.43	0.43	0.00
20.05	0.19	0.018	86.07	0.43	0.43	0.00
20.10	0.19	0.017	86.07	0.43	0.43	0.00
20.15	0.19	0.016	86.07	0.43	0.43	0.00
20.20	0.19	0.015	86.06	0.43	0.43	0.00
20.25	0.19	0.014	86.06	0.42	0.42	0.00
20.30	0.19	0.013	86.05	0.42	0.42	0.00
20.35	0.19	0.012	86.05	0.42	0.42	0.00
20.40	0.19	0.011	86.05	0.38	0.38	0.00
20.45	0.19	0.010	86.04	0.36	0.36	0.00
20.50	0.19	0.010	86.04	0.33	0.33	0.00
20.55	0.19	0.009	86.04	0.31	0.31	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.19	0.008	86.04	0.30	0.30	0.00
20.65	0.19	0.008	86.03	0.28	0.28	0.00
20.70	0.18	0.008	86.03	0.27	0.27	0.00
20.75	0.18	0.007	86.03	0.26	0.26	0.00
20.80	0.18	0.007	86.03	0.25	0.25	0.00
20.85	0.18	0.007	86.03	0.24	0.24	0.00
20.90	0.18	0.007	86.03	0.23	0.23	0.00
20.95	0.18	0.006	86.03	0.22	0.22	0.00
21.00	0.18	0.006	86.03	0.22	0.22	0.00
21.05	0.18	0.006	86.03	0.21	0.21	0.00
21.10	0.18	0.006	86.02	0.21	0.21	0.00
21.15	0.18	0.006	86.02	0.21	0.21	0.00
21.20	0.18	0.006	86.02	0.20	0.20	0.00
21.25	0.18	0.006	86.02	0.20	0.20	0.00
21.30	0.18	0.006	86.02	0.20	0.20	0.00
21.35	0.18	0.006	86.02	0.19	0.19	0.00
21.40	0.18	0.005	86.02	0.19	0.19	0.00
21.45	0.18	0.005	86.02	0.19	0.19	0.00
21.50	0.18	0.005	86.02	0.19	0.19	0.00
21.55	0.18	0.005	86.02	0.19	0.19	0.00
21.60	0.18	0.005	86.02	0.19	0.19	0.00
21.65	0.18	0.005	86.02	0.18	0.18	0.00
21.70	0.18	0.005	86.02	0.18	0.18	0.00
21.75	0.18	0.005	86.02	0.18	0.18	0.00
21.80	0.18	0.005	86.02	0.18	0.18	0.00
21.85	0.18	0.005	86.02	0.18	0.18	0.00
21.90	0.17	0.005	86.02	0.18	0.18	0.00
21.95	0.17	0.005	86.02	0.18	0.18	0.00
22.00	0.17	0.005	86.02	0.18	0.18	0.00
22.05	0.17	0.005	86.02	0.18	0.18	0.00
22.10	0.17	0.005	86.02	0.18	0.18	0.00
22.15	0.17	0.005	86.02	0.18	0.18	0.00
22.20	0.17	0.005	86.02	0.18	0.18	0.00
22.25	0.17	0.005	86.02	0.18	0.18	0.00
22.30	0.17	0.005	86.02	0.18	0.18	0.00
22.35	0.17	0.005	86.02	0.17	0.17	0.00
22.40	0.17	0.005	86.02	0.17	0.17	0.00
22.45	0.17	0.005	86.02	0.17	0.17	0.00
22.50	0.17	0.005	86.02	0.17	0.17	0.00
22.55	0.17	0.005	86.02	0.17	0.17	0.00
22.60	0.17	0.005	86.02	0.17	0.17	0.00
22.65	0.17	0.005	86.02	0.17	0.17	0.00
22.70	0.17	0.005	86.02	0.17	0.17	0.00
22.75	0.17	0.005	86.02	0.17	0.17	0.00
22.80	0.17	0.005	86.02	0.17	0.17	0.00
22.85	0.17	0.005	86.02	0.17	0.17	0.00
22.90	0.17	0.005	86.02	0.17	0.17	0.00
22.95	0.17	0.005	86.02	0.17	0.17	0.00
23.00	0.16	0.005	86.02	0.17	0.17	0.00
23.05	0.16	0.005	86.02	0.17	0.17	0.00
23.10	0.16	0.005	86.02	0.17	0.17	0.00
23.15	0.16	0.005	86.02	0.17	0.17	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.16	0.005	86.02	0.17	0.17	0.00
23.25	0.16	0.005	86.02	0.17	0.17	0.00
23.30	0.16	0.005	86.02	0.17	0.17	0.00
23.35	0.16	0.005	86.02	0.16	0.16	0.00
23.40	0.16	0.005	86.02	0.16	0.16	0.00
23.45	0.16	0.005	86.02	0.16	0.16	0.00
23.50	0.16	0.005	86.02	0.16	0.16	0.00
23.55	0.16	0.005	86.02	0.16	0.16	0.00
23.60	0.16	0.005	86.02	0.16	0.16	0.00
23.65	0.16	0.005	86.02	0.16	0.16	0.00
23.70	0.16	0.005	86.02	0.16	0.16	0.00
23.75	0.16	0.005	86.02	0.16	0.16	0.00
23.80	0.16	0.005	86.02	0.16	0.16	0.00
23.85	0.16	0.005	86.02	0.16	0.16	0.00
23.90	0.16	0.005	86.02	0.16	0.16	0.00
23.95	0.16	0.005	86.02	0.16	0.16	0.00
24.00	0.16	0.005	86.02	0.16	0.16	0.00
24.05	0.15	0.005	86.02	0.16	0.16	0.00
24.10	0.14	0.004	86.02	0.16	0.16	0.00
24.15	0.12	0.004	86.02	0.15	0.15	0.00
24.20	0.11	0.004	86.02	0.15	0.15	0.00
24.25	0.09	0.004	86.02	0.14	0.14	0.00
24.30	0.08	0.004	86.02	0.13	0.13	0.00
24.35	0.07	0.004	86.02	0.13	0.13	0.00
24.40	0.06	0.003	86.01	0.12	0.12	0.00
24.45	0.05	0.003	86.01	0.11	0.11	0.00
24.50	0.04	0.003	86.01	0.10	0.10	0.00
24.55	0.04	0.003	86.01	0.09	0.09	0.00
24.60	0.03	0.002	86.01	0.09	0.09	0.00
24.65	0.03	0.002	86.01	0.08	0.08	0.00
24.70	0.03	0.002	86.01	0.07	0.07	0.00
24.75	0.02	0.002	86.01	0.07	0.07	0.00
24.80	0.02	0.002	86.01	0.06	0.06	0.00
24.85	0.02	0.002	86.01	0.05	0.05	0.00
24.90	0.02	0.001	86.01	0.05	0.05	0.00
24.95	0.01	0.001	86.01	0.04	0.04	0.00
25.00	0.01	0.001	86.00	0.04	0.04	0.00
25.05	0.01	0.001	86.00	0.04	0.04	0.00
25.10	0.01	0.001	86.00	0.03	0.03	0.00
25.15	0.01	0.001	86.00	0.03	0.03	0.00
25.20	0.01	0.001	86.00	0.03	0.03	0.00
25.25	0.01	0.001	86.00	0.02	0.02	0.00
25.30	0.01	0.001	86.00	0.02	0.02	0.00
25.35	0.01	0.001	86.00	0.02	0.02	0.00
25.40	0.01	0.001	86.00	0.02	0.02	0.00
25.45	0.01	0.000	86.00	0.02	0.02	0.00
25.50	0.00	0.000	86.00	0.02	0.02	0.00
25.55	0.00	0.000	86.00	0.01	0.01	0.00
25.60	0.00	0.000	86.00	0.01	0.01	0.00
25.65	0.00	0.000	86.00	0.01	0.01	0.00
25.70	0.00	0.000	86.00	0.01	0.01	0.00
25.75	0.00	0.000	86.00	0.01	0.01	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	86.00	0.01	0.01	0.00
25.85	0.00	0.000	86.00	0.01	0.01	0.00
25.90	0.00	0.000	86.00	0.01	0.01	0.00
25.95	0.00	0.000	86.00	0.01	0.01	0.00
26.00	0.00	0.000	86.00	0.01	0.01	0.00
26.05	0.00	0.000	86.00	0.00	0.00	0.00
26.10	0.00	0.000	86.00	0.00	0.00	0.00
26.15	0.00	0.000	86.00	0.00	0.00	0.00
26.20	0.00	0.000	86.00	0.00	0.00	0.00
26.25	0.00	0.000	86.00	0.00	0.00	0.00
26.30	0.00	0.000	86.00	0.00	0.00	0.00
26.35	0.00	0.000	86.00	0.00	0.00	0.00
26.40	0.00	0.000	86.00	0.00	0.00	0.00
26.45	0.00	0.000	86.00	0.00	0.00	0.00
26.50	0.00	0.000	86.00	0.00	0.00	0.00
26.55	0.00	0.000	86.00	0.00	0.00	0.00
26.60	0.00	0.000	86.00	0.00	0.00	0.00
26.65	0.00	0.000	86.00	0.00	0.00	0.00
26.70	0.00	0.000	86.00	0.00	0.00	0.00
26.75	0.00	0.000	86.00	0.00	0.00	0.00
26.80	0.00	0.000	86.00	0.00	0.00	0.00
26.85	0.00	0.000	86.00	0.00	0.00	0.00
26.90	0.00	0.000	86.00	0.00	0.00	0.00
26.95	0.00	0.000	86.00	0.00	0.00	0.00
27.00	0.00	0.000	86.00	0.00	0.00	0.00
27.05	0.00	0.000	86.00	0.00	0.00	0.00
27.10	0.00	0.000	86.00	0.00	0.00	0.00
27.15	0.00	0.000	86.00	0.00	0.00	0.00
27.20	0.00	0.000	86.00	0.00	0.00	0.00
27.25	0.00	0.000	86.00	0.00	0.00	0.00
27.30	0.00	0.000	86.00	0.00	0.00	0.00
27.35	0.00	0.000	86.00	0.00	0.00	0.00
27.40	0.00	0.000	86.00	0.00	0.00	0.00
27.45	0.00	0.000	86.00	0.00	0.00	0.00
27.50	0.00	0.000	86.00	0.00	0.00	0.00
27.55	0.00	0.000	86.00	0.00	0.00	0.00
27.60	0.00	0.000	86.00	0.00	0.00	0.00
27.65	0.00	0.000	86.00	0.00	0.00	0.00
27.70	0.00	0.000	86.00	0.00	0.00	0.00
27.75	0.00	0.000	86.00	0.00	0.00	0.00
27.80	0.00	0.000	86.00	0.00	0.00	0.00
27.85	0.00	0.000	86.00	0.00	0.00	0.00
27.90	0.00	0.000	86.00	0.00	0.00	0.00
27.95	0.00	0.000	86.00	0.00	0.00	0.00
28.00	0.00	0.000	86.00	0.00	0.00	0.00
28.05	0.00	0.000	86.00	0.00	0.00	0.00
28.10	0.00	0.000	86.00	0.00	0.00	0.00
28.15	0.00	0.000	86.00	0.00	0.00	0.00
28.20	0.00	0.000	86.00	0.00	0.00	0.00
28.25	0.00	0.000	86.00	0.00	0.00	0.00
28.30	0.00	0.000	86.00	0.00	0.00	0.00
28.35	0.00	0.000	86.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	86.00	0.00	0.00	0.00
28.45	0.00	0.000	86.00	0.00	0.00	0.00
28.50	0.00	0.000	86.00	0.00	0.00	0.00
28.55	0.00	0.000	86.00	0.00	0.00	0.00
28.60	0.00	0.000	86.00	0.00	0.00	0.00
28.65	0.00	0.000	86.00	0.00	0.00	0.00
28.70	0.00	0.000	86.00	0.00	0.00	0.00
28.75	0.00	0.000	86.00	0.00	0.00	0.00
28.80	0.00	0.000	86.00	0.00	0.00	0.00
28.85	0.00	0.000	86.00	0.00	0.00	0.00
28.90	0.00	0.000	86.00	0.00	0.00	0.00
28.95	0.00	0.000	86.00	0.00	0.00	0.00
29.00	0.00	0.000	86.00	0.00	0.00	0.00
29.05	0.00	0.000	86.00	0.00	0.00	0.00
29.10	0.00	0.000	86.00	0.00	0.00	0.00
29.15	0.00	0.000	86.00	0.00	0.00	0.00
29.20	0.00	0.000	86.00	0.00	0.00	0.00
29.25	0.00	0.000	86.00	0.00	0.00	0.00
29.30	0.00	0.000	86.00	0.00	0.00	0.00
29.35	0.00	0.000	86.00	0.00	0.00	0.00
29.40	0.00	0.000	86.00	0.00	0.00	0.00
29.45	0.00	0.000	86.00	0.00	0.00	0.00
29.50	0.00	0.000	86.00	0.00	0.00	0.00
29.55	0.00	0.000	86.00	0.00	0.00	0.00
29.60	0.00	0.000	86.00	0.00	0.00	0.00
29.65	0.00	0.000	86.00	0.00	0.00	0.00
29.70	0.00	0.000	86.00	0.00	0.00	0.00
29.75	0.00	0.000	86.00	0.00	0.00	0.00
29.80	0.00	0.000	86.00	0.00	0.00	0.00
29.85	0.00	0.000	86.00	0.00	0.00	0.00
29.90	0.00	0.000	86.00	0.00	0.00	0.00
29.95	0.00	0.000	86.00	0.00	0.00	0.00
30.00	0.00	0.000	86.00	0.00	0.00	0.00

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Summary for Pond Basin 4 & 5: Basin 4 & 5

Inflow Area = 4.200 ac, 26.19% Impervious, Inflow Depth > 1.51" for 10 year event
 Inflow = 3.47 cfs @ 12.19 hrs, Volume= 0.528 af
 Outflow = 0.51 cfs @ 13.58 hrs, Volume= 0.528 af, Atten= 85%, Lag= 83.6 min
 Discarded = 0.51 cfs @ 13.58 hrs, Volume= 0.528 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 89.43' @ 13.58 hrs Surf.Area= 0.170 ac Storage= 0.186 af

Plug-Flow detention time= 180.0 min calculated for 0.528 af (100% of inflow)
 Center-of-Mass det. time= 179.4 min (1,005.8 - 826.4)

Volume	Invert	Avail.Storage	Storage Description
#1	88.00'	1.690 af	Rain Garden Basin 4 & 5 (Prismatic) Listed below

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
88.00	0.080	0.000	0.000
89.00	0.140	0.110	0.110
90.00	0.210	0.175	0.285
91.00	0.280	0.245	0.530
92.00	0.350	0.315	0.845
93.00	0.420	0.385	1.230
94.00	0.500	0.460	1.690

Device	Routing	Invert	Outlet Devices
#1	Discarded	88.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 86.00'
#2	Primary	89.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	91.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.51 cfs @ 13.58 hrs HW=89.43' (Free Discharge)

↑1=Exfiltration (Controls 0.51 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=88.00' (Free Discharge)

↑2=Orifice/Grate (Controls 0.00 cfs)

↑3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.10	0.000	88.00	0.01	0.01	0.00
5.05	0.10	0.001	88.01	0.02	0.02	0.00
5.10	0.10	0.001	88.01	0.02	0.02	0.00
5.15	0.10	0.001	88.01	0.03	0.03	0.00
5.20	0.10	0.001	88.01	0.04	0.04	0.00
5.25	0.10	0.002	88.02	0.05	0.05	0.00
5.30	0.10	0.002	88.02	0.05	0.05	0.00
5.35	0.10	0.002	88.02	0.06	0.06	0.00
5.40	0.10	0.002	88.02	0.06	0.06	0.00
5.45	0.11	0.003	88.02	0.07	0.07	0.00
5.50	0.11	0.003	88.02	0.07	0.07	0.00
5.55	0.11	0.003	88.03	0.07	0.07	0.00
5.60	0.11	0.003	88.03	0.08	0.08	0.00
5.65	0.11	0.003	88.03	0.08	0.08	0.00
5.70	0.11	0.003	88.03	0.08	0.08	0.00
5.75	0.11	0.003	88.03	0.09	0.09	0.00
5.80	0.11	0.003	88.03	0.09	0.09	0.00
5.85	0.11	0.003	88.03	0.09	0.09	0.00
5.90	0.11	0.003	88.03	0.09	0.09	0.00
5.95	0.11	0.004	88.03	0.09	0.09	0.00
6.00	0.11	0.004	88.03	0.10	0.10	0.00
6.05	0.11	0.004	88.03	0.10	0.10	0.00
6.10	0.11	0.004	88.03	0.10	0.10	0.00
6.15	0.11	0.004	88.03	0.10	0.10	0.00
6.20	0.11	0.004	88.03	0.10	0.10	0.00
6.25	0.11	0.004	88.04	0.10	0.10	0.00
6.30	0.12	0.004	88.04	0.10	0.10	0.00
6.35	0.12	0.004	88.04	0.10	0.10	0.00
6.40	0.12	0.004	88.04	0.11	0.11	0.00
6.45	0.12	0.004	88.04	0.11	0.11	0.00
6.50	0.12	0.004	88.04	0.11	0.11	0.00
6.55	0.12	0.004	88.04	0.11	0.11	0.00
6.60	0.12	0.004	88.04	0.11	0.11	0.00
6.65	0.12	0.004	88.04	0.11	0.11	0.00
6.70	0.13	0.004	88.04	0.11	0.11	0.00
6.75	0.13	0.004	88.04	0.11	0.11	0.00
6.80	0.13	0.004	88.04	0.12	0.12	0.00
6.85	0.13	0.004	88.04	0.12	0.12	0.00
6.90	0.13	0.005	88.04	0.12	0.12	0.00
6.95	0.13	0.005	88.04	0.12	0.12	0.00
7.00	0.13	0.005	88.04	0.12	0.12	0.00
7.05	0.13	0.005	88.04	0.12	0.12	0.00
7.10	0.14	0.005	88.04	0.12	0.12	0.00
7.15	0.14	0.005	88.04	0.13	0.13	0.00
7.20	0.14	0.005	88.04	0.13	0.13	0.00
7.25	0.14	0.005	88.04	0.13	0.13	0.00
7.30	0.14	0.005	88.04	0.13	0.13	0.00
7.35	0.14	0.005	88.05	0.13	0.13	0.00
7.40	0.14	0.005	88.05	0.13	0.13	0.00
7.45	0.15	0.005	88.05	0.13	0.13	0.00
7.50	0.15	0.005	88.05	0.13	0.13	0.00
7.55	0.15	0.005	88.05	0.14	0.14	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.15	0.005	88.05	0.14	0.14	0.00
7.65	0.15	0.005	88.05	0.14	0.14	0.00
7.70	0.15	0.005	88.05	0.14	0.14	0.00
7.75	0.15	0.005	88.05	0.14	0.14	0.00
7.80	0.15	0.005	88.05	0.14	0.14	0.00
7.85	0.16	0.005	88.05	0.14	0.14	0.00
7.90	0.16	0.006	88.05	0.14	0.14	0.00
7.95	0.16	0.006	88.05	0.15	0.15	0.00
8.00	0.16	0.006	88.05	0.15	0.15	0.00
8.05	0.16	0.006	88.05	0.15	0.15	0.00
8.10	0.16	0.006	88.05	0.15	0.15	0.00
8.15	0.16	0.006	88.05	0.15	0.15	0.00
8.20	0.17	0.006	88.05	0.15	0.15	0.00
8.25	0.17	0.006	88.05	0.15	0.15	0.00
8.30	0.17	0.006	88.05	0.16	0.16	0.00
8.35	0.17	0.006	88.05	0.16	0.16	0.00
8.40	0.17	0.006	88.05	0.16	0.16	0.00
8.45	0.17	0.006	88.06	0.16	0.16	0.00
8.50	0.17	0.006	88.06	0.16	0.16	0.00
8.55	0.17	0.006	88.06	0.16	0.16	0.00
8.60	0.18	0.006	88.06	0.16	0.16	0.00
8.65	0.18	0.006	88.06	0.16	0.16	0.00
8.70	0.18	0.006	88.06	0.17	0.17	0.00
8.75	0.18	0.006	88.06	0.17	0.17	0.00
8.80	0.18	0.006	88.06	0.17	0.17	0.00
8.85	0.18	0.006	88.06	0.17	0.17	0.00
8.90	0.18	0.007	88.06	0.17	0.17	0.00
8.95	0.19	0.007	88.06	0.17	0.17	0.00
9.00	0.19	0.007	88.06	0.17	0.17	0.00
9.05	0.19	0.007	88.06	0.17	0.17	0.00
9.10	0.19	0.007	88.06	0.17	0.17	0.00
9.15	0.19	0.007	88.06	0.17	0.17	0.00
9.20	0.20	0.007	88.06	0.17	0.17	0.00
9.25	0.20	0.007	88.06	0.17	0.17	0.00
9.30	0.20	0.007	88.06	0.17	0.17	0.00
9.35	0.21	0.007	88.07	0.17	0.17	0.00
9.40	0.21	0.007	88.07	0.17	0.17	0.00
9.45	0.21	0.008	88.07	0.18	0.18	0.00
9.50	0.22	0.008	88.07	0.18	0.18	0.00
9.55	0.22	0.008	88.07	0.18	0.18	0.00
9.60	0.23	0.008	88.07	0.18	0.18	0.00
9.65	0.23	0.008	88.08	0.18	0.18	0.00
9.70	0.23	0.008	88.08	0.18	0.18	0.00
9.75	0.24	0.009	88.08	0.18	0.18	0.00
9.80	0.24	0.009	88.08	0.18	0.18	0.00
9.85	0.25	0.009	88.08	0.18	0.18	0.00
9.90	0.25	0.010	88.09	0.18	0.18	0.00
9.95	0.25	0.010	88.09	0.18	0.18	0.00
10.00	0.26	0.010	88.09	0.18	0.18	0.00
10.05	0.26	0.011	88.10	0.18	0.18	0.00
10.10	0.27	0.011	88.10	0.18	0.18	0.00
10.15	0.27	0.011	88.10	0.18	0.18	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.28	0.012	88.11	0.18	0.18	0.00
10.25	0.28	0.012	88.11	0.18	0.18	0.00
10.30	0.28	0.012	88.11	0.18	0.18	0.00
10.35	0.29	0.013	88.12	0.19	0.19	0.00
10.40	0.29	0.013	88.12	0.19	0.19	0.00
10.45	0.30	0.014	88.12	0.19	0.19	0.00
10.50	0.30	0.014	88.13	0.19	0.19	0.00
10.55	0.31	0.015	88.13	0.19	0.19	0.00
10.60	0.31	0.015	88.14	0.19	0.19	0.00
10.65	0.32	0.016	88.14	0.19	0.19	0.00
10.70	0.33	0.016	88.15	0.19	0.19	0.00
10.75	0.34	0.017	88.15	0.19	0.19	0.00
10.80	0.35	0.017	88.16	0.19	0.19	0.00
10.85	0.37	0.018	88.16	0.20	0.20	0.00
10.90	0.38	0.019	88.17	0.20	0.20	0.00
10.95	0.39	0.020	88.18	0.20	0.20	0.00
11.00	0.41	0.020	88.19	0.20	0.20	0.00
11.05	0.42	0.021	88.19	0.20	0.20	0.00
11.10	0.44	0.022	88.20	0.20	0.20	0.00
11.15	0.45	0.023	88.21	0.20	0.20	0.00
11.20	0.47	0.024	88.22	0.21	0.21	0.00
11.25	0.49	0.025	88.23	0.21	0.21	0.00
11.30	0.51	0.027	88.24	0.21	0.21	0.00
11.35	0.54	0.028	88.25	0.21	0.21	0.00
11.40	0.56	0.029	88.27	0.22	0.22	0.00
11.45	0.58	0.031	88.28	0.22	0.22	0.00
11.50	0.60	0.032	88.29	0.22	0.22	0.00
11.55	0.63	0.034	88.31	0.23	0.23	0.00
11.60	0.67	0.036	88.32	0.23	0.23	0.00
11.65	0.73	0.038	88.34	0.23	0.23	0.00
11.70	0.78	0.040	88.36	0.24	0.24	0.00
11.75	0.83	0.042	88.38	0.24	0.24	0.00
11.80	0.91	0.045	88.41	0.25	0.25	0.00
11.85	1.02	0.048	88.43	0.25	0.25	0.00
11.90	1.17	0.051	88.46	0.26	0.26	0.00
11.95	1.37	0.055	88.50	0.27	0.27	0.00
12.00	1.69	0.060	88.55	0.28	0.28	0.00
12.05	2.12	0.067	88.61	0.29	0.29	0.00
12.10	2.74	0.076	88.69	0.31	0.31	0.00
12.15	3.35	0.087	88.79	0.34	0.34	0.00
12.20	3.46	0.100	88.91	0.36	0.36	0.00
12.25	3.18	0.112	89.01	0.39	0.39	0.00
12.30	2.84	0.123	89.07	0.41	0.41	0.00
12.35	2.52	0.132	89.13	0.42	0.42	0.00
12.40	2.23	0.140	89.17	0.43	0.43	0.00
12.45	1.97	0.147	89.21	0.45	0.45	0.00
12.50	1.76	0.153	89.24	0.45	0.45	0.00
12.55	1.59	0.158	89.27	0.46	0.46	0.00
12.60	1.44	0.162	89.30	0.47	0.47	0.00
12.65	1.29	0.166	89.32	0.48	0.48	0.00
12.70	1.17	0.169	89.34	0.48	0.48	0.00
12.75	1.07	0.172	89.35	0.48	0.48	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.98	0.174	89.36	0.49	0.49	0.00
12.85	0.92	0.176	89.38	0.49	0.49	0.00
12.90	0.86	0.177	89.39	0.49	0.49	0.00
12.95	0.82	0.179	89.39	0.50	0.50	0.00
13.00	0.78	0.180	89.40	0.50	0.50	0.00
13.05	0.74	0.181	89.41	0.50	0.50	0.00
13.10	0.71	0.182	89.41	0.50	0.50	0.00
13.15	0.68	0.183	89.42	0.50	0.50	0.00
13.20	0.65	0.184	89.42	0.50	0.50	0.00
13.25	0.63	0.184	89.42	0.51	0.51	0.00
13.30	0.61	0.185	89.43	0.51	0.51	0.00
13.35	0.59	0.185	89.43	0.51	0.51	0.00
13.40	0.57	0.185	89.43	0.51	0.51	0.00
13.45	0.55	0.185	89.43	0.51	0.51	0.00
13.50	0.54	0.186	89.43	0.51	0.51	0.00
13.55	0.52	0.186	89.43	0.51	0.51	0.00
13.60	0.50	0.186	89.43	0.51	0.51	0.00
13.65	0.49	0.186	89.43	0.51	0.51	0.00
13.70	0.47	0.185	89.43	0.51	0.51	0.00
13.75	0.46	0.185	89.43	0.51	0.51	0.00
13.80	0.45	0.185	89.43	0.51	0.51	0.00
13.85	0.44	0.185	89.43	0.51	0.51	0.00
13.90	0.43	0.185	89.43	0.51	0.51	0.00
13.95	0.42	0.184	89.42	0.51	0.51	0.00
14.00	0.42	0.184	89.42	0.50	0.50	0.00
14.05	0.41	0.184	89.42	0.50	0.50	0.00
14.10	0.41	0.183	89.42	0.50	0.50	0.00
14.15	0.40	0.183	89.42	0.50	0.50	0.00
14.20	0.40	0.182	89.41	0.50	0.50	0.00
14.25	0.39	0.182	89.41	0.50	0.50	0.00
14.30	0.39	0.181	89.41	0.50	0.50	0.00
14.35	0.38	0.181	89.40	0.50	0.50	0.00
14.40	0.38	0.180	89.40	0.50	0.50	0.00
14.45	0.37	0.180	89.40	0.50	0.50	0.00
14.50	0.37	0.179	89.40	0.50	0.50	0.00
14.55	0.36	0.179	89.39	0.50	0.50	0.00
14.60	0.36	0.178	89.39	0.50	0.50	0.00
14.65	0.35	0.178	89.39	0.49	0.49	0.00
14.70	0.35	0.177	89.38	0.49	0.49	0.00
14.75	0.34	0.176	89.38	0.49	0.49	0.00
14.80	0.34	0.176	89.38	0.49	0.49	0.00
14.85	0.33	0.175	89.37	0.49	0.49	0.00
14.90	0.33	0.174	89.37	0.49	0.49	0.00
14.95	0.32	0.174	89.36	0.49	0.49	0.00
15.00	0.32	0.173	89.36	0.49	0.49	0.00
15.05	0.31	0.172	89.36	0.49	0.49	0.00
15.10	0.31	0.172	89.35	0.48	0.48	0.00
15.15	0.30	0.171	89.35	0.48	0.48	0.00
15.20	0.30	0.170	89.34	0.48	0.48	0.00
15.25	0.29	0.169	89.34	0.48	0.48	0.00
15.30	0.29	0.169	89.33	0.48	0.48	0.00
15.35	0.29	0.168	89.33	0.48	0.48	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.28	0.167	89.33	0.48	0.48	0.00
15.45	0.28	0.166	89.32	0.48	0.48	0.00
15.50	0.28	0.165	89.32	0.47	0.47	0.00
15.55	0.28	0.165	89.31	0.47	0.47	0.00
15.60	0.28	0.164	89.31	0.47	0.47	0.00
15.65	0.27	0.163	89.30	0.47	0.47	0.00
15.70	0.27	0.162	89.30	0.47	0.47	0.00
15.75	0.27	0.161	89.29	0.47	0.47	0.00
15.80	0.27	0.160	89.29	0.47	0.47	0.00
15.85	0.27	0.160	89.28	0.47	0.47	0.00
15.90	0.27	0.159	89.28	0.46	0.46	0.00
15.95	0.26	0.158	89.27	0.46	0.46	0.00
16.00	0.26	0.157	89.27	0.46	0.46	0.00
16.05	0.26	0.156	89.26	0.46	0.46	0.00
16.10	0.26	0.156	89.26	0.46	0.46	0.00
16.15	0.26	0.155	89.26	0.46	0.46	0.00
16.20	0.26	0.154	89.25	0.46	0.46	0.00
16.25	0.26	0.153	89.25	0.45	0.45	0.00
16.30	0.25	0.152	89.24	0.45	0.45	0.00
16.35	0.25	0.151	89.24	0.45	0.45	0.00
16.40	0.25	0.151	89.23	0.45	0.45	0.00
16.45	0.25	0.150	89.23	0.45	0.45	0.00
16.50	0.25	0.149	89.22	0.45	0.45	0.00
16.55	0.25	0.148	89.22	0.45	0.45	0.00
16.60	0.24	0.147	89.21	0.45	0.45	0.00
16.65	0.24	0.146	89.21	0.44	0.44	0.00
16.70	0.24	0.146	89.20	0.44	0.44	0.00
16.75	0.24	0.145	89.20	0.44	0.44	0.00
16.80	0.24	0.144	89.19	0.44	0.44	0.00
16.85	0.24	0.143	89.19	0.44	0.44	0.00
16.90	0.24	0.142	89.18	0.44	0.44	0.00
16.95	0.23	0.141	89.18	0.44	0.44	0.00
17.00	0.23	0.141	89.17	0.44	0.44	0.00
17.05	0.23	0.140	89.17	0.43	0.43	0.00
17.10	0.23	0.139	89.17	0.43	0.43	0.00
17.15	0.23	0.138	89.16	0.43	0.43	0.00
17.20	0.23	0.137	89.16	0.43	0.43	0.00
17.25	0.22	0.136	89.15	0.43	0.43	0.00
17.30	0.22	0.136	89.15	0.43	0.43	0.00
17.35	0.22	0.135	89.14	0.43	0.43	0.00
17.40	0.22	0.134	89.14	0.42	0.42	0.00
17.45	0.22	0.133	89.13	0.42	0.42	0.00
17.50	0.22	0.132	89.13	0.42	0.42	0.00
17.55	0.21	0.131	89.12	0.42	0.42	0.00
17.60	0.21	0.130	89.12	0.42	0.42	0.00
17.65	0.21	0.130	89.11	0.42	0.42	0.00
17.70	0.21	0.129	89.11	0.42	0.42	0.00
17.75	0.21	0.128	89.10	0.42	0.42	0.00
17.80	0.21	0.127	89.10	0.41	0.41	0.00
17.85	0.20	0.126	89.09	0.41	0.41	0.00
17.90	0.20	0.125	89.09	0.41	0.41	0.00
17.95	0.20	0.124	89.08	0.41	0.41	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.20	0.124	89.08	0.41	0.41	0.00
18.05	0.20	0.123	89.07	0.41	0.41	0.00
18.10	0.20	0.122	89.07	0.41	0.41	0.00
18.15	0.19	0.121	89.06	0.40	0.40	0.00
18.20	0.19	0.120	89.06	0.40	0.40	0.00
18.25	0.19	0.119	89.05	0.40	0.40	0.00
18.30	0.19	0.118	89.05	0.40	0.40	0.00
18.35	0.19	0.118	89.04	0.40	0.40	0.00
18.40	0.19	0.117	89.04	0.40	0.40	0.00
18.45	0.19	0.116	89.03	0.40	0.40	0.00
18.50	0.19	0.115	89.03	0.40	0.40	0.00
18.55	0.19	0.114	89.02	0.39	0.39	0.00
18.60	0.19	0.113	89.02	0.39	0.39	0.00
18.65	0.19	0.112	89.01	0.39	0.39	0.00
18.70	0.19	0.112	89.01	0.39	0.39	0.00
18.75	0.18	0.111	89.00	0.39	0.39	0.00
18.80	0.18	0.110	89.00	0.39	0.39	0.00
18.85	0.18	0.109	88.99	0.39	0.39	0.00
18.90	0.18	0.108	88.98	0.38	0.38	0.00
18.95	0.18	0.107	88.98	0.38	0.38	0.00
19.00	0.18	0.107	88.97	0.38	0.38	0.00
19.05	0.18	0.106	88.96	0.38	0.38	0.00
19.10	0.18	0.105	88.95	0.38	0.38	0.00
19.15	0.18	0.104	88.95	0.37	0.37	0.00
19.20	0.18	0.103	88.94	0.37	0.37	0.00
19.25	0.18	0.103	88.93	0.37	0.37	0.00
19.30	0.18	0.102	88.93	0.37	0.37	0.00
19.35	0.18	0.101	88.92	0.37	0.37	0.00
19.40	0.18	0.100	88.91	0.37	0.37	0.00
19.45	0.18	0.099	88.90	0.36	0.36	0.00
19.50	0.18	0.099	88.90	0.36	0.36	0.00
19.55	0.18	0.098	88.89	0.36	0.36	0.00
19.60	0.18	0.097	88.88	0.36	0.36	0.00
19.65	0.18	0.096	88.88	0.36	0.36	0.00
19.70	0.18	0.096	88.87	0.36	0.36	0.00
19.75	0.18	0.095	88.86	0.35	0.35	0.00
19.80	0.18	0.094	88.86	0.35	0.35	0.00
19.85	0.18	0.094	88.85	0.35	0.35	0.00
19.90	0.18	0.093	88.84	0.35	0.35	0.00
19.95	0.18	0.092	88.84	0.35	0.35	0.00
20.00	0.18	0.091	88.83	0.35	0.35	0.00
20.05	0.18	0.091	88.82	0.34	0.34	0.00
20.10	0.17	0.090	88.82	0.34	0.34	0.00
20.15	0.17	0.089	88.81	0.34	0.34	0.00
20.20	0.17	0.089	88.81	0.34	0.34	0.00
20.25	0.17	0.088	88.80	0.34	0.34	0.00
20.30	0.17	0.087	88.79	0.34	0.34	0.00
20.35	0.17	0.087	88.79	0.34	0.34	0.00
20.40	0.17	0.086	88.78	0.33	0.33	0.00
20.45	0.17	0.085	88.78	0.33	0.33	0.00
20.50	0.17	0.085	88.77	0.33	0.33	0.00
20.55	0.17	0.084	88.76	0.33	0.33	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.17	0.083	88.76	0.33	0.33	0.00
20.65	0.17	0.083	88.75	0.33	0.33	0.00
20.70	0.17	0.082	88.75	0.33	0.33	0.00
20.75	0.17	0.081	88.74	0.32	0.32	0.00
20.80	0.17	0.081	88.73	0.32	0.32	0.00
20.85	0.17	0.080	88.73	0.32	0.32	0.00
20.90	0.17	0.080	88.72	0.32	0.32	0.00
20.95	0.17	0.079	88.72	0.32	0.32	0.00
21.00	0.17	0.078	88.71	0.32	0.32	0.00
21.05	0.17	0.078	88.71	0.32	0.32	0.00
21.10	0.17	0.077	88.70	0.31	0.31	0.00
21.15	0.17	0.076	88.69	0.31	0.31	0.00
21.20	0.17	0.076	88.69	0.31	0.31	0.00
21.25	0.17	0.075	88.68	0.31	0.31	0.00
21.30	0.17	0.075	88.68	0.31	0.31	0.00
21.35	0.17	0.074	88.67	0.31	0.31	0.00
21.40	0.17	0.073	88.67	0.31	0.31	0.00
21.45	0.16	0.073	88.66	0.31	0.31	0.00
21.50	0.16	0.072	88.66	0.30	0.30	0.00
21.55	0.16	0.072	88.65	0.30	0.30	0.00
21.60	0.16	0.071	88.65	0.30	0.30	0.00
21.65	0.16	0.071	88.64	0.30	0.30	0.00
21.70	0.16	0.070	88.64	0.30	0.30	0.00
21.75	0.16	0.069	88.63	0.30	0.30	0.00
21.80	0.16	0.069	88.63	0.30	0.30	0.00
21.85	0.16	0.068	88.62	0.30	0.30	0.00
21.90	0.16	0.068	88.62	0.29	0.29	0.00
21.95	0.16	0.067	88.61	0.29	0.29	0.00
22.00	0.16	0.067	88.61	0.29	0.29	0.00
22.05	0.16	0.066	88.60	0.29	0.29	0.00
22.10	0.16	0.066	88.60	0.29	0.29	0.00
22.15	0.16	0.065	88.59	0.29	0.29	0.00
22.20	0.16	0.065	88.59	0.29	0.29	0.00
22.25	0.16	0.064	88.58	0.29	0.29	0.00
22.30	0.16	0.063	88.58	0.29	0.29	0.00
22.35	0.16	0.063	88.57	0.28	0.28	0.00
22.40	0.16	0.062	88.57	0.28	0.28	0.00
22.45	0.16	0.062	88.56	0.28	0.28	0.00
22.50	0.16	0.061	88.56	0.28	0.28	0.00
22.55	0.16	0.061	88.55	0.28	0.28	0.00
22.60	0.16	0.060	88.55	0.28	0.28	0.00
22.65	0.16	0.060	88.54	0.28	0.28	0.00
22.70	0.15	0.059	88.54	0.28	0.28	0.00
22.75	0.15	0.059	88.53	0.28	0.28	0.00
22.80	0.15	0.058	88.53	0.28	0.28	0.00
22.85	0.15	0.058	88.53	0.27	0.27	0.00
22.90	0.15	0.057	88.52	0.27	0.27	0.00
22.95	0.15	0.057	88.52	0.27	0.27	0.00
23.00	0.15	0.056	88.51	0.27	0.27	0.00
23.05	0.15	0.056	88.51	0.27	0.27	0.00
23.10	0.15	0.055	88.50	0.27	0.27	0.00
23.15	0.15	0.055	88.50	0.27	0.27	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.15	0.054	88.49	0.27	0.27	0.00
23.25	0.15	0.054	88.49	0.27	0.27	0.00
23.30	0.15	0.053	88.49	0.27	0.27	0.00
23.35	0.15	0.053	88.48	0.26	0.26	0.00
23.40	0.15	0.052	88.48	0.26	0.26	0.00
23.45	0.15	0.052	88.47	0.26	0.26	0.00
23.50	0.15	0.052	88.47	0.26	0.26	0.00
23.55	0.15	0.051	88.46	0.26	0.26	0.00
23.60	0.15	0.051	88.46	0.26	0.26	0.00
23.65	0.15	0.050	88.46	0.26	0.26	0.00
23.70	0.15	0.050	88.45	0.26	0.26	0.00
23.75	0.15	0.049	88.45	0.26	0.26	0.00
23.80	0.15	0.049	88.44	0.26	0.26	0.00
23.85	0.14	0.048	88.44	0.25	0.25	0.00
23.90	0.14	0.048	88.44	0.25	0.25	0.00
23.95	0.14	0.047	88.43	0.25	0.25	0.00
24.00	0.14	0.047	88.43	0.25	0.25	0.00
24.05	0.14	0.047	88.42	0.25	0.25	0.00
24.10	0.13	0.046	88.42	0.25	0.25	0.00
24.15	0.11	0.046	88.41	0.25	0.25	0.00
24.20	0.09	0.045	88.41	0.25	0.25	0.00
24.25	0.07	0.044	88.40	0.25	0.25	0.00
24.30	0.06	0.043	88.40	0.24	0.24	0.00
24.35	0.05	0.043	88.39	0.24	0.24	0.00
24.40	0.04	0.042	88.38	0.24	0.24	0.00
24.45	0.03	0.041	88.37	0.24	0.24	0.00
24.50	0.03	0.040	88.37	0.24	0.24	0.00
24.55	0.02	0.039	88.36	0.24	0.24	0.00
24.60	0.02	0.038	88.35	0.23	0.23	0.00
24.65	0.01	0.038	88.34	0.23	0.23	0.00
24.70	0.01	0.037	88.33	0.23	0.23	0.00
24.75	0.01	0.036	88.32	0.23	0.23	0.00
24.80	0.01	0.035	88.32	0.23	0.23	0.00
24.85	0.01	0.034	88.31	0.23	0.23	0.00
24.90	0.01	0.033	88.30	0.22	0.22	0.00
24.95	0.00	0.032	88.29	0.22	0.22	0.00
25.00	0.00	0.031	88.28	0.22	0.22	0.00
25.05	0.00	0.030	88.28	0.22	0.22	0.00
25.10	0.00	0.029	88.27	0.22	0.22	0.00
25.15	0.00	0.029	88.26	0.22	0.22	0.00
25.20	0.00	0.028	88.25	0.21	0.21	0.00
25.25	0.00	0.027	88.24	0.21	0.21	0.00
25.30	0.00	0.026	88.24	0.21	0.21	0.00
25.35	0.00	0.025	88.23	0.21	0.21	0.00
25.40	0.00	0.024	88.22	0.21	0.21	0.00
25.45	0.00	0.023	88.21	0.21	0.21	0.00
25.50	0.00	0.023	88.20	0.20	0.20	0.00
25.55	0.00	0.022	88.20	0.20	0.20	0.00
25.60	0.00	0.021	88.19	0.20	0.20	0.00
25.65	0.00	0.020	88.18	0.20	0.20	0.00
25.70	0.00	0.019	88.17	0.20	0.20	0.00
25.75	0.00	0.018	88.17	0.20	0.20	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.018	88.16	0.19	0.19	0.00
25.85	0.00	0.017	88.15	0.19	0.19	0.00
25.90	0.00	0.016	88.15	0.19	0.19	0.00
25.95	0.00	0.015	88.14	0.19	0.19	0.00
26.00	0.00	0.014	88.13	0.19	0.19	0.00
26.05	0.00	0.014	88.12	0.19	0.19	0.00
26.10	0.00	0.013	88.12	0.19	0.19	0.00
26.15	0.00	0.012	88.11	0.18	0.18	0.00
26.20	0.00	0.011	88.10	0.18	0.18	0.00
26.25	0.00	0.011	88.10	0.18	0.18	0.00
26.30	0.00	0.010	88.09	0.18	0.18	0.00
26.35	0.00	0.009	88.08	0.18	0.18	0.00
26.40	0.00	0.008	88.08	0.18	0.18	0.00
26.45	0.00	0.008	88.07	0.18	0.18	0.00
26.50	0.00	0.007	88.06	0.17	0.17	0.00
26.55	0.00	0.006	88.06	0.16	0.16	0.00
26.60	0.00	0.006	88.05	0.15	0.15	0.00
26.65	0.00	0.005	88.05	0.13	0.13	0.00
26.70	0.00	0.005	88.04	0.12	0.12	0.00
26.75	0.00	0.004	88.04	0.11	0.11	0.00
26.80	0.00	0.004	88.03	0.10	0.10	0.00
26.85	0.00	0.003	88.03	0.09	0.09	0.00
26.90	0.00	0.003	88.03	0.08	0.08	0.00
26.95	0.00	0.003	88.02	0.07	0.07	0.00
27.00	0.00	0.002	88.02	0.06	0.06	0.00
27.05	0.00	0.002	88.02	0.06	0.06	0.00
27.10	0.00	0.002	88.02	0.05	0.05	0.00
27.15	0.00	0.002	88.02	0.04	0.04	0.00
27.20	0.00	0.002	88.01	0.04	0.04	0.00
27.25	0.00	0.001	88.01	0.04	0.04	0.00
27.30	0.00	0.001	88.01	0.03	0.03	0.00
27.35	0.00	0.001	88.01	0.03	0.03	0.00
27.40	0.00	0.001	88.01	0.03	0.03	0.00
27.45	0.00	0.001	88.01	0.02	0.02	0.00
27.50	0.00	0.001	88.01	0.02	0.02	0.00
27.55	0.00	0.001	88.01	0.02	0.02	0.00
27.60	0.00	0.001	88.01	0.02	0.02	0.00
27.65	0.00	0.001	88.01	0.02	0.02	0.00
27.70	0.00	0.001	88.00	0.01	0.01	0.00
27.75	0.00	0.000	88.00	0.01	0.01	0.00
27.80	0.00	0.000	88.00	0.01	0.01	0.00
27.85	0.00	0.000	88.00	0.01	0.01	0.00
27.90	0.00	0.000	88.00	0.01	0.01	0.00
27.95	0.00	0.000	88.00	0.01	0.01	0.00
28.00	0.00	0.000	88.00	0.01	0.01	0.00
28.05	0.00	0.000	88.00	0.01	0.01	0.00
28.10	0.00	0.000	88.00	0.01	0.01	0.00
28.15	0.00	0.000	88.00	0.01	0.01	0.00
28.20	0.00	0.000	88.00	0.00	0.00	0.00
28.25	0.00	0.000	88.00	0.00	0.00	0.00
28.30	0.00	0.000	88.00	0.00	0.00	0.00
28.35	0.00	0.000	88.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	88.00	0.00	0.00	0.00
28.45	0.00	0.000	88.00	0.00	0.00	0.00
28.50	0.00	0.000	88.00	0.00	0.00	0.00
28.55	0.00	0.000	88.00	0.00	0.00	0.00
28.60	0.00	0.000	88.00	0.00	0.00	0.00
28.65	0.00	0.000	88.00	0.00	0.00	0.00
28.70	0.00	0.000	88.00	0.00	0.00	0.00
28.75	0.00	0.000	88.00	0.00	0.00	0.00
28.80	0.00	0.000	88.00	0.00	0.00	0.00
28.85	0.00	0.000	88.00	0.00	0.00	0.00
28.90	0.00	0.000	88.00	0.00	0.00	0.00
28.95	0.00	0.000	88.00	0.00	0.00	0.00
29.00	0.00	0.000	88.00	0.00	0.00	0.00
29.05	0.00	0.000	88.00	0.00	0.00	0.00
29.10	0.00	0.000	88.00	0.00	0.00	0.00
29.15	0.00	0.000	88.00	0.00	0.00	0.00
29.20	0.00	0.000	88.00	0.00	0.00	0.00
29.25	0.00	0.000	88.00	0.00	0.00	0.00
29.30	0.00	0.000	88.00	0.00	0.00	0.00
29.35	0.00	0.000	88.00	0.00	0.00	0.00
29.40	0.00	0.000	88.00	0.00	0.00	0.00
29.45	0.00	0.000	88.00	0.00	0.00	0.00
29.50	0.00	0.000	88.00	0.00	0.00	0.00
29.55	0.00	0.000	88.00	0.00	0.00	0.00
29.60	0.00	0.000	88.00	0.00	0.00	0.00
29.65	0.00	0.000	88.00	0.00	0.00	0.00
29.70	0.00	0.000	88.00	0.00	0.00	0.00
29.75	0.00	0.000	88.00	0.00	0.00	0.00
29.80	0.00	0.000	88.00	0.00	0.00	0.00
29.85	0.00	0.000	88.00	0.00	0.00	0.00
29.90	0.00	0.000	88.00	0.00	0.00	0.00
29.95	0.00	0.000	88.00	0.00	0.00	0.00
30.00	0.00	0.000	88.00	0.00	0.00	0.00

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Summary for Pond Basin 6: Basin 6

Inflow Area = 1.900 ac, 21.05% Impervious, Inflow Depth > 1.27" for 10 year event
 Inflow = 1.26 cfs @ 12.19 hrs, Volume= 0.201 af
 Outflow = 0.37 cfs @ 12.78 hrs, Volume= 0.201 af, Atten= 71%, Lag= 35.2 min
 Discarded = 0.37 cfs @ 12.78 hrs, Volume= 0.201 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 92.16' @ 12.78 hrs Surf.Area= 0.175 ac Storage= 0.037 af

Plug-Flow detention time= 34.9 min calculated for 0.201 af (100% of inflow)
 Center-of-Mass det. time= 34.5 min (874.4 - 839.9)

Volume	Invert	Avail.Storage	Storage Description
#1	92.00'	1.350 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
92.00	0.150	0.000	0.000
93.00	0.300	0.225	0.225
94.00	0.350	0.325	0.550
95.00	0.400	0.375	0.925
96.00	0.450	0.425	1.350

Device	Routing	Invert	Outlet Devices
#1	Discarded	92.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 89.00'
#2	Primary	93.00'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	94.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.37 cfs @ 12.78 hrs HW=92.16' (Free Discharge)

↑1=Exfiltration (Controls 0.37 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=92.00' (Free Discharge)

↑2=Orifice/Grate (Controls 0.00 cfs)

↑3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 6: Basin 6

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.04	0.000	92.00	0.00	0.00	0.00
5.05	0.04	0.000	92.00	0.01	0.01	0.00
5.10	0.04	0.000	92.00	0.01	0.01	0.00
5.15	0.04	0.000	92.00	0.01	0.01	0.00
5.20	0.04	0.001	92.00	0.02	0.02	0.00
5.25	0.04	0.001	92.00	0.02	0.02	0.00
5.30	0.04	0.001	92.00	0.02	0.02	0.00
5.35	0.04	0.001	92.00	0.02	0.02	0.00
5.40	0.04	0.001	92.00	0.03	0.03	0.00
5.45	0.04	0.001	92.00	0.03	0.03	0.00
5.50	0.04	0.001	92.00	0.03	0.03	0.00
5.55	0.04	0.001	92.00	0.03	0.03	0.00
5.60	0.04	0.001	92.00	0.03	0.03	0.00
5.65	0.04	0.001	92.00	0.03	0.03	0.00
5.70	0.04	0.001	92.00	0.03	0.03	0.00
5.75	0.04	0.001	92.00	0.03	0.03	0.00
5.80	0.04	0.001	92.00	0.04	0.04	0.00
5.85	0.04	0.001	92.00	0.04	0.04	0.00
5.90	0.04	0.001	92.00	0.04	0.04	0.00
5.95	0.04	0.001	92.00	0.04	0.04	0.00
6.00	0.04	0.001	92.00	0.04	0.04	0.00
6.05	0.04	0.001	92.00	0.04	0.04	0.00
6.10	0.04	0.001	92.00	0.04	0.04	0.00
6.15	0.04	0.001	92.00	0.04	0.04	0.00
6.20	0.04	0.001	92.00	0.04	0.04	0.00
6.25	0.04	0.001	92.00	0.04	0.04	0.00
6.30	0.04	0.001	92.00	0.04	0.04	0.00
6.35	0.04	0.001	92.00	0.04	0.04	0.00
6.40	0.04	0.001	92.01	0.04	0.04	0.00
6.45	0.04	0.001	92.01	0.04	0.04	0.00
6.50	0.04	0.001	92.01	0.04	0.04	0.00
6.55	0.04	0.001	92.01	0.04	0.04	0.00
6.60	0.04	0.001	92.01	0.04	0.04	0.00
6.65	0.05	0.001	92.01	0.04	0.04	0.00
6.70	0.05	0.001	92.01	0.04	0.04	0.00
6.75	0.05	0.001	92.01	0.04	0.04	0.00
6.80	0.05	0.001	92.01	0.04	0.04	0.00
6.85	0.05	0.001	92.01	0.04	0.04	0.00
6.90	0.05	0.001	92.01	0.04	0.04	0.00
6.95	0.05	0.001	92.01	0.04	0.04	0.00
7.00	0.05	0.001	92.01	0.05	0.05	0.00
7.05	0.05	0.001	92.01	0.05	0.05	0.00
7.10	0.05	0.001	92.01	0.05	0.05	0.00
7.15	0.05	0.001	92.01	0.05	0.05	0.00
7.20	0.05	0.001	92.01	0.05	0.05	0.00
7.25	0.05	0.001	92.01	0.05	0.05	0.00
7.30	0.05	0.001	92.01	0.05	0.05	0.00
7.35	0.05	0.001	92.01	0.05	0.05	0.00
7.40	0.05	0.001	92.01	0.05	0.05	0.00
7.45	0.05	0.001	92.01	0.05	0.05	0.00
7.50	0.05	0.001	92.01	0.05	0.05	0.00
7.55	0.05	0.001	92.01	0.05	0.05	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.05	0.001	92.01	0.05	0.05	0.00
7.65	0.05	0.001	92.01	0.05	0.05	0.00
7.70	0.06	0.001	92.01	0.05	0.05	0.00
7.75	0.06	0.001	92.01	0.05	0.05	0.00
7.80	0.06	0.001	92.01	0.05	0.05	0.00
7.85	0.06	0.002	92.01	0.05	0.05	0.00
7.90	0.06	0.002	92.01	0.05	0.05	0.00
7.95	0.06	0.002	92.01	0.05	0.05	0.00
8.00	0.06	0.002	92.01	0.05	0.05	0.00
8.05	0.06	0.002	92.01	0.06	0.06	0.00
8.10	0.06	0.002	92.01	0.06	0.06	0.00
8.15	0.06	0.002	92.01	0.06	0.06	0.00
8.20	0.06	0.002	92.01	0.06	0.06	0.00
8.25	0.06	0.002	92.01	0.06	0.06	0.00
8.30	0.06	0.002	92.01	0.06	0.06	0.00
8.35	0.06	0.002	92.01	0.06	0.06	0.00
8.40	0.06	0.002	92.01	0.06	0.06	0.00
8.45	0.06	0.002	92.01	0.06	0.06	0.00
8.50	0.06	0.002	92.01	0.06	0.06	0.00
8.55	0.06	0.002	92.01	0.06	0.06	0.00
8.60	0.06	0.002	92.01	0.06	0.06	0.00
8.65	0.06	0.002	92.01	0.06	0.06	0.00
8.70	0.06	0.002	92.01	0.06	0.06	0.00
8.75	0.07	0.002	92.01	0.06	0.06	0.00
8.80	0.07	0.002	92.01	0.06	0.06	0.00
8.85	0.07	0.002	92.01	0.06	0.06	0.00
8.90	0.07	0.002	92.01	0.06	0.06	0.00
8.95	0.07	0.002	92.01	0.06	0.06	0.00
9.00	0.07	0.002	92.01	0.06	0.06	0.00
9.05	0.07	0.002	92.01	0.07	0.07	0.00
9.10	0.07	0.002	92.01	0.07	0.07	0.00
9.15	0.07	0.002	92.01	0.07	0.07	0.00
9.20	0.07	0.002	92.01	0.07	0.07	0.00
9.25	0.07	0.002	92.01	0.07	0.07	0.00
9.30	0.07	0.002	92.01	0.07	0.07	0.00
9.35	0.07	0.002	92.01	0.07	0.07	0.00
9.40	0.08	0.002	92.01	0.07	0.07	0.00
9.45	0.08	0.002	92.01	0.07	0.07	0.00
9.50	0.08	0.002	92.01	0.07	0.07	0.00
9.55	0.08	0.002	92.01	0.07	0.07	0.00
9.60	0.08	0.002	92.01	0.07	0.07	0.00
9.65	0.08	0.002	92.01	0.08	0.08	0.00
9.70	0.08	0.002	92.01	0.08	0.08	0.00
9.75	0.09	0.002	92.01	0.08	0.08	0.00
9.80	0.09	0.002	92.01	0.08	0.08	0.00
9.85	0.09	0.002	92.01	0.08	0.08	0.00
9.90	0.09	0.002	92.01	0.08	0.08	0.00
9.95	0.09	0.002	92.01	0.08	0.08	0.00
10.00	0.09	0.002	92.01	0.08	0.08	0.00
10.05	0.10	0.002	92.01	0.09	0.09	0.00
10.10	0.10	0.002	92.01	0.09	0.09	0.00
10.15	0.10	0.003	92.01	0.09	0.09	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.10	0.003	92.01	0.09	0.09	0.00
10.25	0.10	0.003	92.01	0.09	0.09	0.00
10.30	0.10	0.003	92.01	0.09	0.09	0.00
10.35	0.10	0.003	92.01	0.09	0.09	0.00
10.40	0.11	0.003	92.01	0.10	0.10	0.00
10.45	0.11	0.003	92.01	0.10	0.10	0.00
10.50	0.11	0.003	92.01	0.10	0.10	0.00
10.55	0.11	0.003	92.01	0.10	0.10	0.00
10.60	0.11	0.003	92.01	0.10	0.10	0.00
10.65	0.12	0.003	92.01	0.10	0.10	0.00
10.70	0.12	0.003	92.01	0.11	0.11	0.00
10.75	0.12	0.003	92.01	0.11	0.11	0.00
10.80	0.13	0.003	92.01	0.11	0.11	0.00
10.85	0.13	0.003	92.01	0.11	0.11	0.00
10.90	0.14	0.003	92.01	0.12	0.12	0.00
10.95	0.14	0.003	92.02	0.12	0.12	0.00
11.00	0.15	0.003	92.02	0.12	0.12	0.00
11.05	0.15	0.004	92.02	0.13	0.13	0.00
11.10	0.16	0.004	92.02	0.13	0.13	0.00
11.15	0.17	0.004	92.02	0.13	0.13	0.00
11.20	0.17	0.004	92.02	0.14	0.14	0.00
11.25	0.18	0.004	92.02	0.14	0.14	0.00
11.30	0.19	0.004	92.02	0.15	0.15	0.00
11.35	0.20	0.004	92.02	0.16	0.16	0.00
11.40	0.20	0.005	92.02	0.16	0.16	0.00
11.45	0.21	0.005	92.02	0.17	0.17	0.00
11.50	0.22	0.005	92.02	0.17	0.17	0.00
11.55	0.23	0.005	92.02	0.18	0.18	0.00
11.60	0.24	0.005	92.02	0.19	0.19	0.00
11.65	0.26	0.006	92.02	0.20	0.20	0.00
11.70	0.28	0.006	92.03	0.21	0.21	0.00
11.75	0.30	0.006	92.03	0.22	0.22	0.00
11.80	0.33	0.007	92.03	0.23	0.23	0.00
11.85	0.37	0.007	92.03	0.25	0.25	0.00
11.90	0.42	0.008	92.03	0.27	0.27	0.00
11.95	0.50	0.008	92.04	0.30	0.30	0.00
12.00	0.61	0.009	92.04	0.32	0.32	0.00
12.05	0.77	0.011	92.05	0.32	0.32	0.00
12.10	1.00	0.013	92.06	0.33	0.33	0.00
12.15	1.22	0.016	92.07	0.33	0.33	0.00
12.20	1.26	0.020	92.09	0.34	0.34	0.00
12.25	1.16	0.024	92.11	0.35	0.35	0.00
12.30	1.03	0.027	92.12	0.35	0.35	0.00
12.35	0.91	0.029	92.13	0.36	0.36	0.00
12.40	0.80	0.031	92.14	0.36	0.36	0.00
12.45	0.71	0.033	92.15	0.36	0.36	0.00
12.50	0.63	0.034	92.15	0.36	0.36	0.00
12.55	0.57	0.035	92.16	0.37	0.37	0.00
12.60	0.52	0.036	92.16	0.37	0.37	0.00
12.65	0.46	0.037	92.16	0.37	0.37	0.00
12.70	0.42	0.037	92.16	0.37	0.37	0.00
12.75	0.38	0.037	92.16	0.37	0.37	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.36	0.037	92.16	0.37	0.37	0.00
12.85	0.33	0.037	92.16	0.37	0.37	0.00
12.90	0.31	0.037	92.16	0.37	0.37	0.00
12.95	0.30	0.036	92.16	0.37	0.37	0.00
13.00	0.28	0.036	92.16	0.37	0.37	0.00
13.05	0.27	0.036	92.16	0.37	0.37	0.00
13.10	0.26	0.035	92.16	0.37	0.37	0.00
13.15	0.25	0.035	92.16	0.37	0.37	0.00
13.20	0.24	0.034	92.15	0.37	0.37	0.00
13.25	0.23	0.034	92.15	0.36	0.36	0.00
13.30	0.23	0.033	92.15	0.36	0.36	0.00
13.35	0.22	0.033	92.15	0.36	0.36	0.00
13.40	0.22	0.032	92.14	0.36	0.36	0.00
13.45	0.21	0.032	92.14	0.36	0.36	0.00
13.50	0.21	0.031	92.14	0.36	0.36	0.00
13.55	0.20	0.030	92.13	0.36	0.36	0.00
13.60	0.19	0.030	92.13	0.36	0.36	0.00
13.65	0.19	0.029	92.13	0.35	0.35	0.00
13.70	0.18	0.028	92.13	0.35	0.35	0.00
13.75	0.18	0.028	92.12	0.35	0.35	0.00
13.80	0.18	0.027	92.12	0.35	0.35	0.00
13.85	0.17	0.026	92.12	0.35	0.35	0.00
13.90	0.17	0.025	92.11	0.35	0.35	0.00
13.95	0.17	0.025	92.11	0.35	0.35	0.00
14.00	0.17	0.024	92.11	0.35	0.35	0.00
14.05	0.16	0.023	92.10	0.34	0.34	0.00
14.10	0.16	0.022	92.10	0.34	0.34	0.00
14.15	0.16	0.022	92.10	0.34	0.34	0.00
14.20	0.16	0.021	92.09	0.34	0.34	0.00
14.25	0.16	0.020	92.09	0.34	0.34	0.00
14.30	0.15	0.019	92.09	0.34	0.34	0.00
14.35	0.15	0.019	92.08	0.34	0.34	0.00
14.40	0.15	0.018	92.08	0.33	0.33	0.00
14.45	0.15	0.017	92.08	0.33	0.33	0.00
14.50	0.15	0.016	92.07	0.33	0.33	0.00
14.55	0.14	0.016	92.07	0.33	0.33	0.00
14.60	0.14	0.015	92.07	0.33	0.33	0.00
14.65	0.14	0.014	92.06	0.33	0.33	0.00
14.70	0.14	0.013	92.06	0.33	0.33	0.00
14.75	0.14	0.012	92.06	0.32	0.32	0.00
14.80	0.14	0.012	92.05	0.32	0.32	0.00
14.85	0.13	0.011	92.05	0.32	0.32	0.00
14.90	0.13	0.010	92.05	0.32	0.32	0.00
14.95	0.13	0.009	92.04	0.32	0.32	0.00
15.00	0.13	0.009	92.04	0.31	0.31	0.00
15.05	0.13	0.008	92.04	0.28	0.28	0.00
15.10	0.12	0.007	92.03	0.26	0.26	0.00
15.15	0.12	0.007	92.03	0.24	0.24	0.00
15.20	0.12	0.006	92.03	0.22	0.22	0.00
15.25	0.12	0.006	92.03	0.21	0.21	0.00
15.30	0.12	0.006	92.02	0.20	0.20	0.00
15.35	0.12	0.005	92.02	0.19	0.19	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.12	0.005	92.02	0.18	0.18	0.00
15.45	0.11	0.005	92.02	0.17	0.17	0.00
15.50	0.11	0.005	92.02	0.16	0.16	0.00
15.55	0.11	0.004	92.02	0.15	0.15	0.00
15.60	0.11	0.004	92.02	0.15	0.15	0.00
15.65	0.11	0.004	92.02	0.14	0.14	0.00
15.70	0.11	0.004	92.02	0.14	0.14	0.00
15.75	0.11	0.004	92.02	0.14	0.14	0.00
15.80	0.11	0.004	92.02	0.13	0.13	0.00
15.85	0.11	0.004	92.02	0.13	0.13	0.00
15.90	0.11	0.004	92.02	0.13	0.13	0.00
15.95	0.11	0.003	92.02	0.12	0.12	0.00
16.00	0.11	0.003	92.02	0.12	0.12	0.00
16.05	0.11	0.003	92.01	0.12	0.12	0.00
16.10	0.11	0.003	92.01	0.12	0.12	0.00
16.15	0.10	0.003	92.01	0.12	0.12	0.00
16.20	0.10	0.003	92.01	0.11	0.11	0.00
16.25	0.10	0.003	92.01	0.11	0.11	0.00
16.30	0.10	0.003	92.01	0.11	0.11	0.00
16.35	0.10	0.003	92.01	0.11	0.11	0.00
16.40	0.10	0.003	92.01	0.11	0.11	0.00
16.45	0.10	0.003	92.01	0.11	0.11	0.00
16.50	0.10	0.003	92.01	0.11	0.11	0.00
16.55	0.10	0.003	92.01	0.11	0.11	0.00
16.60	0.10	0.003	92.01	0.11	0.11	0.00
16.65	0.10	0.003	92.01	0.10	0.10	0.00
16.70	0.10	0.003	92.01	0.10	0.10	0.00
16.75	0.10	0.003	92.01	0.10	0.10	0.00
16.80	0.10	0.003	92.01	0.10	0.10	0.00
16.85	0.10	0.003	92.01	0.10	0.10	0.00
16.90	0.10	0.003	92.01	0.10	0.10	0.00
16.95	0.10	0.003	92.01	0.10	0.10	0.00
17.00	0.09	0.003	92.01	0.10	0.10	0.00
17.05	0.09	0.003	92.01	0.10	0.10	0.00
17.10	0.09	0.003	92.01	0.10	0.10	0.00
17.15	0.09	0.003	92.01	0.10	0.10	0.00
17.20	0.09	0.003	92.01	0.10	0.10	0.00
17.25	0.09	0.003	92.01	0.10	0.10	0.00
17.30	0.09	0.003	92.01	0.10	0.10	0.00
17.35	0.09	0.003	92.01	0.09	0.09	0.00
17.40	0.09	0.003	92.01	0.09	0.09	0.00
17.45	0.09	0.003	92.01	0.09	0.09	0.00
17.50	0.09	0.003	92.01	0.09	0.09	0.00
17.55	0.09	0.003	92.01	0.09	0.09	0.00
17.60	0.09	0.003	92.01	0.09	0.09	0.00
17.65	0.09	0.003	92.01	0.09	0.09	0.00
17.70	0.09	0.003	92.01	0.09	0.09	0.00
17.75	0.09	0.003	92.01	0.09	0.09	0.00
17.80	0.08	0.003	92.01	0.09	0.09	0.00
17.85	0.08	0.002	92.01	0.09	0.09	0.00
17.90	0.08	0.002	92.01	0.09	0.09	0.00
17.95	0.08	0.002	92.01	0.09	0.09	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.08	0.002	92.01	0.09	0.09	0.00
18.05	0.08	0.002	92.01	0.09	0.09	0.00
18.10	0.08	0.002	92.01	0.08	0.08	0.00
18.15	0.08	0.002	92.01	0.08	0.08	0.00
18.20	0.08	0.002	92.01	0.08	0.08	0.00
18.25	0.08	0.002	92.01	0.08	0.08	0.00
18.30	0.08	0.002	92.01	0.08	0.08	0.00
18.35	0.08	0.002	92.01	0.08	0.08	0.00
18.40	0.08	0.002	92.01	0.08	0.08	0.00
18.45	0.08	0.002	92.01	0.08	0.08	0.00
18.50	0.08	0.002	92.01	0.08	0.08	0.00
18.55	0.08	0.002	92.01	0.08	0.08	0.00
18.60	0.08	0.002	92.01	0.08	0.08	0.00
18.65	0.08	0.002	92.01	0.08	0.08	0.00
18.70	0.08	0.002	92.01	0.08	0.08	0.00
18.75	0.08	0.002	92.01	0.08	0.08	0.00
18.80	0.08	0.002	92.01	0.08	0.08	0.00
18.85	0.08	0.002	92.01	0.08	0.08	0.00
18.90	0.08	0.002	92.01	0.08	0.08	0.00
18.95	0.07	0.002	92.01	0.08	0.08	0.00
19.00	0.07	0.002	92.01	0.08	0.08	0.00
19.05	0.07	0.002	92.01	0.08	0.08	0.00
19.10	0.07	0.002	92.01	0.08	0.08	0.00
19.15	0.07	0.002	92.01	0.08	0.08	0.00
19.20	0.07	0.002	92.01	0.08	0.08	0.00
19.25	0.07	0.002	92.01	0.08	0.08	0.00
19.30	0.07	0.002	92.01	0.08	0.08	0.00
19.35	0.07	0.002	92.01	0.07	0.07	0.00
19.40	0.07	0.002	92.01	0.07	0.07	0.00
19.45	0.07	0.002	92.01	0.07	0.07	0.00
19.50	0.07	0.002	92.01	0.07	0.07	0.00
19.55	0.07	0.002	92.01	0.07	0.07	0.00
19.60	0.07	0.002	92.01	0.07	0.07	0.00
19.65	0.07	0.002	92.01	0.07	0.07	0.00
19.70	0.07	0.002	92.01	0.07	0.07	0.00
19.75	0.07	0.002	92.01	0.07	0.07	0.00
19.80	0.07	0.002	92.01	0.07	0.07	0.00
19.85	0.07	0.002	92.01	0.07	0.07	0.00
19.90	0.07	0.002	92.01	0.07	0.07	0.00
19.95	0.07	0.002	92.01	0.07	0.07	0.00
20.00	0.07	0.002	92.01	0.07	0.07	0.00
20.05	0.07	0.002	92.01	0.07	0.07	0.00
20.10	0.07	0.002	92.01	0.07	0.07	0.00
20.15	0.07	0.002	92.01	0.07	0.07	0.00
20.20	0.07	0.002	92.01	0.07	0.07	0.00
20.25	0.07	0.002	92.01	0.07	0.07	0.00
20.30	0.07	0.002	92.01	0.07	0.07	0.00
20.35	0.07	0.002	92.01	0.07	0.07	0.00
20.40	0.07	0.002	92.01	0.07	0.07	0.00
20.45	0.07	0.002	92.01	0.07	0.07	0.00
20.50	0.07	0.002	92.01	0.07	0.07	0.00
20.55	0.07	0.002	92.01	0.07	0.07	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.07	0.002	92.01	0.07	0.07	0.00
20.65	0.07	0.002	92.01	0.07	0.07	0.00
20.70	0.07	0.002	92.01	0.07	0.07	0.00
20.75	0.07	0.002	92.01	0.07	0.07	0.00
20.80	0.07	0.002	92.01	0.07	0.07	0.00
20.85	0.07	0.002	92.01	0.07	0.07	0.00
20.90	0.07	0.002	92.01	0.07	0.07	0.00
20.95	0.07	0.002	92.01	0.07	0.07	0.00
21.00	0.07	0.002	92.01	0.07	0.07	0.00
21.05	0.07	0.002	92.01	0.07	0.07	0.00
21.10	0.07	0.002	92.01	0.07	0.07	0.00
21.15	0.07	0.002	92.01	0.07	0.07	0.00
21.20	0.07	0.002	92.01	0.07	0.07	0.00
21.25	0.07	0.002	92.01	0.07	0.07	0.00
21.30	0.07	0.002	92.01	0.07	0.07	0.00
21.35	0.07	0.002	92.01	0.07	0.07	0.00
21.40	0.07	0.002	92.01	0.07	0.07	0.00
21.45	0.07	0.002	92.01	0.07	0.07	0.00
21.50	0.07	0.002	92.01	0.07	0.07	0.00
21.55	0.07	0.002	92.01	0.07	0.07	0.00
21.60	0.07	0.002	92.01	0.07	0.07	0.00
21.65	0.07	0.002	92.01	0.07	0.07	0.00
21.70	0.07	0.002	92.01	0.07	0.07	0.00
21.75	0.07	0.002	92.01	0.07	0.07	0.00
21.80	0.07	0.002	92.01	0.07	0.07	0.00
21.85	0.07	0.002	92.01	0.07	0.07	0.00
21.90	0.07	0.002	92.01	0.07	0.07	0.00
21.95	0.07	0.002	92.01	0.07	0.07	0.00
22.00	0.07	0.002	92.01	0.07	0.07	0.00
22.05	0.07	0.002	92.01	0.07	0.07	0.00
22.10	0.07	0.002	92.01	0.07	0.07	0.00
22.15	0.07	0.002	92.01	0.07	0.07	0.00
22.20	0.07	0.002	92.01	0.07	0.07	0.00
22.25	0.07	0.002	92.01	0.07	0.07	0.00
22.30	0.07	0.002	92.01	0.07	0.07	0.00
22.35	0.06	0.002	92.01	0.07	0.07	0.00
22.40	0.06	0.002	92.01	0.07	0.07	0.00
22.45	0.06	0.002	92.01	0.07	0.07	0.00
22.50	0.06	0.002	92.01	0.07	0.07	0.00
22.55	0.06	0.002	92.01	0.07	0.07	0.00
22.60	0.06	0.002	92.01	0.07	0.07	0.00
22.65	0.06	0.002	92.01	0.07	0.07	0.00
22.70	0.06	0.002	92.01	0.06	0.06	0.00
22.75	0.06	0.002	92.01	0.06	0.06	0.00
22.80	0.06	0.002	92.01	0.06	0.06	0.00
22.85	0.06	0.002	92.01	0.06	0.06	0.00
22.90	0.06	0.002	92.01	0.06	0.06	0.00
22.95	0.06	0.002	92.01	0.06	0.06	0.00
23.00	0.06	0.002	92.01	0.06	0.06	0.00
23.05	0.06	0.002	92.01	0.06	0.06	0.00
23.10	0.06	0.002	92.01	0.06	0.06	0.00
23.15	0.06	0.002	92.01	0.06	0.06	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.06	0.002	92.01	0.06	0.06	0.00
23.25	0.06	0.002	92.01	0.06	0.06	0.00
23.30	0.06	0.002	92.01	0.06	0.06	0.00
23.35	0.06	0.002	92.01	0.06	0.06	0.00
23.40	0.06	0.002	92.01	0.06	0.06	0.00
23.45	0.06	0.002	92.01	0.06	0.06	0.00
23.50	0.06	0.002	92.01	0.06	0.06	0.00
23.55	0.06	0.002	92.01	0.06	0.06	0.00
23.60	0.06	0.002	92.01	0.06	0.06	0.00
23.65	0.06	0.002	92.01	0.06	0.06	0.00
23.70	0.06	0.002	92.01	0.06	0.06	0.00
23.75	0.06	0.002	92.01	0.06	0.06	0.00
23.80	0.06	0.002	92.01	0.06	0.06	0.00
23.85	0.06	0.002	92.01	0.06	0.06	0.00
23.90	0.06	0.002	92.01	0.06	0.06	0.00
23.95	0.06	0.002	92.01	0.06	0.06	0.00
24.00	0.06	0.002	92.01	0.06	0.06	0.00
24.05	0.06	0.002	92.01	0.06	0.06	0.00
24.10	0.06	0.002	92.01	0.06	0.06	0.00
24.15	0.05	0.002	92.01	0.06	0.06	0.00
24.20	0.04	0.002	92.01	0.06	0.06	0.00
24.25	0.04	0.002	92.01	0.05	0.05	0.00
24.30	0.03	0.001	92.01	0.05	0.05	0.00
24.35	0.03	0.001	92.01	0.05	0.05	0.00
24.40	0.03	0.001	92.01	0.05	0.05	0.00
24.45	0.02	0.001	92.01	0.04	0.04	0.00
24.50	0.02	0.001	92.01	0.04	0.04	0.00
24.55	0.02	0.001	92.00	0.04	0.04	0.00
24.60	0.01	0.001	92.00	0.03	0.03	0.00
24.65	0.01	0.001	92.00	0.03	0.03	0.00
24.70	0.01	0.001	92.00	0.03	0.03	0.00
24.75	0.01	0.001	92.00	0.03	0.03	0.00
24.80	0.01	0.001	92.00	0.02	0.02	0.00
24.85	0.01	0.001	92.00	0.02	0.02	0.00
24.90	0.01	0.001	92.00	0.02	0.02	0.00
24.95	0.01	0.001	92.00	0.02	0.02	0.00
25.00	0.01	0.000	92.00	0.02	0.02	0.00
25.05	0.01	0.000	92.00	0.02	0.02	0.00
25.10	0.00	0.000	92.00	0.01	0.01	0.00
25.15	0.00	0.000	92.00	0.01	0.01	0.00
25.20	0.00	0.000	92.00	0.01	0.01	0.00
25.25	0.00	0.000	92.00	0.01	0.01	0.00
25.30	0.00	0.000	92.00	0.01	0.01	0.00
25.35	0.00	0.000	92.00	0.01	0.01	0.00
25.40	0.00	0.000	92.00	0.01	0.01	0.00
25.45	0.00	0.000	92.00	0.01	0.01	0.00
25.50	0.00	0.000	92.00	0.01	0.01	0.00
25.55	0.00	0.000	92.00	0.01	0.01	0.00
25.60	0.00	0.000	92.00	0.01	0.01	0.00
25.65	0.00	0.000	92.00	0.00	0.00	0.00
25.70	0.00	0.000	92.00	0.00	0.00	0.00
25.75	0.00	0.000	92.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	92.00	0.00	0.00	0.00
25.85	0.00	0.000	92.00	0.00	0.00	0.00
25.90	0.00	0.000	92.00	0.00	0.00	0.00
25.95	0.00	0.000	92.00	0.00	0.00	0.00
26.00	0.00	0.000	92.00	0.00	0.00	0.00
26.05	0.00	0.000	92.00	0.00	0.00	0.00
26.10	0.00	0.000	92.00	0.00	0.00	0.00
26.15	0.00	0.000	92.00	0.00	0.00	0.00
26.20	0.00	0.000	92.00	0.00	0.00	0.00
26.25	0.00	0.000	92.00	0.00	0.00	0.00
26.30	0.00	0.000	92.00	0.00	0.00	0.00
26.35	0.00	0.000	92.00	0.00	0.00	0.00
26.40	0.00	0.000	92.00	0.00	0.00	0.00
26.45	0.00	0.000	92.00	0.00	0.00	0.00
26.50	0.00	0.000	92.00	0.00	0.00	0.00
26.55	0.00	0.000	92.00	0.00	0.00	0.00
26.60	0.00	0.000	92.00	0.00	0.00	0.00
26.65	0.00	0.000	92.00	0.00	0.00	0.00
26.70	0.00	0.000	92.00	0.00	0.00	0.00
26.75	0.00	0.000	92.00	0.00	0.00	0.00
26.80	0.00	0.000	92.00	0.00	0.00	0.00
26.85	0.00	0.000	92.00	0.00	0.00	0.00
26.90	0.00	0.000	92.00	0.00	0.00	0.00
26.95	0.00	0.000	92.00	0.00	0.00	0.00
27.00	0.00	0.000	92.00	0.00	0.00	0.00
27.05	0.00	0.000	92.00	0.00	0.00	0.00
27.10	0.00	0.000	92.00	0.00	0.00	0.00
27.15	0.00	0.000	92.00	0.00	0.00	0.00
27.20	0.00	0.000	92.00	0.00	0.00	0.00
27.25	0.00	0.000	92.00	0.00	0.00	0.00
27.30	0.00	0.000	92.00	0.00	0.00	0.00
27.35	0.00	0.000	92.00	0.00	0.00	0.00
27.40	0.00	0.000	92.00	0.00	0.00	0.00
27.45	0.00	0.000	92.00	0.00	0.00	0.00
27.50	0.00	0.000	92.00	0.00	0.00	0.00
27.55	0.00	0.000	92.00	0.00	0.00	0.00
27.60	0.00	0.000	92.00	0.00	0.00	0.00
27.65	0.00	0.000	92.00	0.00	0.00	0.00
27.70	0.00	0.000	92.00	0.00	0.00	0.00
27.75	0.00	0.000	92.00	0.00	0.00	0.00
27.80	0.00	0.000	92.00	0.00	0.00	0.00
27.85	0.00	0.000	92.00	0.00	0.00	0.00
27.90	0.00	0.000	92.00	0.00	0.00	0.00
27.95	0.00	0.000	92.00	0.00	0.00	0.00
28.00	0.00	0.000	92.00	0.00	0.00	0.00
28.05	0.00	0.000	92.00	0.00	0.00	0.00
28.10	0.00	0.000	92.00	0.00	0.00	0.00
28.15	0.00	0.000	92.00	0.00	0.00	0.00
28.20	0.00	0.000	92.00	0.00	0.00	0.00
28.25	0.00	0.000	92.00	0.00	0.00	0.00
28.30	0.00	0.000	92.00	0.00	0.00	0.00
28.35	0.00	0.000	92.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	92.00	0.00	0.00	0.00
28.45	0.00	0.000	92.00	0.00	0.00	0.00
28.50	0.00	0.000	92.00	0.00	0.00	0.00
28.55	0.00	0.000	92.00	0.00	0.00	0.00
28.60	0.00	0.000	92.00	0.00	0.00	0.00
28.65	0.00	0.000	92.00	0.00	0.00	0.00
28.70	0.00	0.000	92.00	0.00	0.00	0.00
28.75	0.00	0.000	92.00	0.00	0.00	0.00
28.80	0.00	0.000	92.00	0.00	0.00	0.00
28.85	0.00	0.000	92.00	0.00	0.00	0.00
28.90	0.00	0.000	92.00	0.00	0.00	0.00
28.95	0.00	0.000	92.00	0.00	0.00	0.00
29.00	0.00	0.000	92.00	0.00	0.00	0.00
29.05	0.00	0.000	92.00	0.00	0.00	0.00
29.10	0.00	0.000	92.00	0.00	0.00	0.00
29.15	0.00	0.000	92.00	0.00	0.00	0.00
29.20	0.00	0.000	92.00	0.00	0.00	0.00
29.25	0.00	0.000	92.00	0.00	0.00	0.00
29.30	0.00	0.000	92.00	0.00	0.00	0.00
29.35	0.00	0.000	92.00	0.00	0.00	0.00
29.40	0.00	0.000	92.00	0.00	0.00	0.00
29.45	0.00	0.000	92.00	0.00	0.00	0.00
29.50	0.00	0.000	92.00	0.00	0.00	0.00
29.55	0.00	0.000	92.00	0.00	0.00	0.00
29.60	0.00	0.000	92.00	0.00	0.00	0.00
29.65	0.00	0.000	92.00	0.00	0.00	0.00
29.70	0.00	0.000	92.00	0.00	0.00	0.00
29.75	0.00	0.000	92.00	0.00	0.00	0.00
29.80	0.00	0.000	92.00	0.00	0.00	0.00
29.85	0.00	0.000	92.00	0.00	0.00	0.00
29.90	0.00	0.000	92.00	0.00	0.00	0.00
29.95	0.00	0.000	92.00	0.00	0.00	0.00
30.00	0.00	0.000	92.00	0.00	0.00	0.00

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Time span=5.00-30.00 hrs, dt=0.05 hrs, 501 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment Basin 1 Imp: Basin 1 Imp Runoff Area=0.600 ac 100.00% Impervious Runoff Depth>5.66"
Tc=10.0 min CN=98 Runoff=2.17 cfs 0.283 af

Subcatchment Basin 1 Pervious: Basin 1 - Runoff Area=2.100 ac 0.00% Impervious Runoff Depth=0.50"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.17 cfs 0.088 af

Subcatchment Basin 1 Roof: Basin 1 Roof Runoff Area=0.500 ac 100.00% Impervious Runoff Depth>5.66"
Tc=10.0 min CN=98 Runoff=1.81 cfs 0.236 af

Subcatchment Basin 2 Impervious: Basin Runoff Area=0.800 ac 100.00% Impervious Runoff Depth>5.66"
Tc=10.0 min CN=98 Runoff=2.89 cfs 0.377 af

Subcatchment Basin 2 Pervious: Basin 2 - Runoff Area=2.050 ac 0.00% Impervious Runoff Depth=0.50"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.16 cfs 0.086 af

Subcatchment Basin 2 Roof: Basin 2 Roof Runoff Area=0.350 ac 100.00% Impervious Runoff Depth>5.66"
Tc=10.0 min CN=98 Runoff=1.27 cfs 0.165 af

Subcatchment Basin 3 Impervious: Basin Runoff Area=1.200 ac 100.00% Impervious Runoff Depth>5.66"
Tc=10.0 min CN=98 Runoff=4.34 cfs 0.566 af

Subcatchment Basin 3 Pervious: Basin 3 - Runoff Area=3.300 ac 0.00% Impervious Runoff Depth=0.50"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.26 cfs 0.139 af

Subcatchment Basin 4 & 5 - Pervious: Basin Runoff Area=3.100 ac 0.00% Impervious Runoff Depth=0.50"
Flow Length=1,440' Tc=17.3 min CN=39 Runoff=0.28 cfs 0.130 af

Subcatchment Basin 4 & 5- Impervious: Runoff Area=1.100 ac 100.00% Impervious Runoff Depth>5.66"
Tc=10.0 min CN=98 Runoff=3.98 cfs 0.519 af

Subcatchment Basin 6 Impervious: Basin Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>5.66"
Tc=10.0 min CN=98 Runoff=1.45 cfs 0.189 af

Subcatchment Basin 6 Pervious: Basin 6 - Runoff Area=1.500 ac 0.00% Impervious Runoff Depth=0.50"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.12 cfs 0.063 af

Reach Site: Site Inflow=0.25 cfs 0.068 af
Outflow=0.25 cfs 0.068 af

Pond Basin 1: Basin 1 Peak Elev=91.16' Storage=0.228 af Inflow=3.99 cfs 0.607 af
Discarded=0.51 cfs 0.550 af Primary=0.17 cfs 0.057 af Outflow=0.69 cfs 0.606 af

Pond Basin 2: Basin 2 Peak Elev=88.57' Storage=0.229 af Inflow=4.17 cfs 0.629 af
Discarded=0.60 cfs 0.627 af Primary=0.01 cfs 0.001 af Outflow=0.61 cfs 0.629 af

Pond Basin 3: Basin 3 Peak Elev=86.85' Storage=0.205 af Inflow=4.35 cfs 0.705 af
Discarded=0.74 cfs 0.705 af Primary=0.00 cfs 0.000 af Outflow=0.74 cfs 0.705 af

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Pond Basin 4 & 5: Basin 4 & 5

Peak Elev=89.70' Storage=0.232 af Inflow=4.03 cfs 0.649 af
Discarded=0.59 cfs 0.639 af Primary=0.06 cfs 0.010 af Outflow=0.65 cfs 0.649 af

Pond Basin 6: Basin 6

Peak Elev=92.22' Storage=0.049 af Inflow=1.45 cfs 0.252 af
Discarded=0.39 cfs 0.252 af Primary=0.00 cfs 0.000 af Outflow=0.39 cfs 0.252 af

Total Runoff Area = 17.000 ac Runoff Volume = 2.841 af Average Runoff Depth = 2.01"
70.88% Pervious = 12.050 ac 29.12% Impervious = 4.950 ac

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Summary for Subcatchment Basin 1 Imp: Basin 1 Imp

Runoff = 2.17 cfs @ 12.19 hrs, Volume= 0.283 af, Depth> 5.66"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.350	98	Pavement & Sidewalk
* 0.250	98	Driveways
0.600	98	Weighted Average
0.600		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.33	0.06	7.60	0.88	0.67	0.09
5.05	0.52	0.34	0.06	7.65	0.88	0.68	0.09
5.10	0.53	0.34	0.06	7.70	0.89	0.69	0.10
5.15	0.53	0.35	0.07	7.75	0.90	0.70	0.10
5.20	0.54	0.35	0.07	7.80	0.91	0.70	0.10
5.25	0.55	0.36	0.07	7.85	0.92	0.71	0.10
5.30	0.55	0.37	0.07	7.90	0.93	0.72	0.10
5.35	0.56	0.37	0.07	7.95	0.94	0.73	0.10
5.40	0.56	0.38	0.07	8.00	0.95	0.74	0.10
5.45	0.57	0.38	0.07	8.05	0.95	0.75	0.10
5.50	0.58	0.39	0.07	8.10	0.96	0.76	0.10
5.55	0.58	0.39	0.07	8.15	0.97	0.76	0.10
5.60	0.59	0.40	0.07	8.20	0.98	0.77	0.10
5.65	0.59	0.40	0.07	8.25	0.99	0.78	0.10
5.70	0.60	0.41	0.07	8.30	1.00	0.79	0.11
5.75	0.61	0.42	0.07	8.35	1.01	0.80	0.11
5.80	0.61	0.42	0.07	8.40	1.02	0.81	0.11
5.85	0.62	0.43	0.07	8.45	1.03	0.82	0.11
5.90	0.63	0.43	0.07	8.50	1.04	0.83	0.11
5.95	0.63	0.44	0.07	8.55	1.05	0.84	0.11
6.00	0.64	0.45	0.07	8.60	1.06	0.85	0.11
6.05	0.65	0.45	0.07	8.65	1.07	0.86	0.11
6.10	0.65	0.46	0.07	8.70	1.08	0.87	0.11
6.15	0.66	0.46	0.07	8.75	1.09	0.88	0.11
6.20	0.66	0.47	0.07	8.80	1.10	0.89	0.11
6.25	0.67	0.48	0.07	8.85	1.11	0.90	0.11
6.30	0.68	0.48	0.07	8.90	1.12	0.91	0.12
6.35	0.68	0.49	0.07	8.95	1.13	0.92	0.12
6.40	0.69	0.50	0.07	9.00	1.14	0.93	0.12
6.45	0.70	0.50	0.08	9.05	1.15	0.94	0.12
6.50	0.71	0.51	0.08	9.10	1.16	0.95	0.12
6.55	0.71	0.52	0.08	9.15	1.17	0.96	0.12
6.60	0.72	0.52	0.08	9.20	1.18	0.97	0.12
6.65	0.73	0.53	0.08	9.25	1.19	0.98	0.12
6.70	0.73	0.54	0.08	9.30	1.20	0.99	0.13
6.75	0.74	0.54	0.08	9.35	1.22	1.00	0.13
6.80	0.75	0.55	0.08	9.40	1.23	1.01	0.13
6.85	0.76	0.56	0.08	9.45	1.24	1.03	0.13
6.90	0.76	0.56	0.08	9.50	1.25	1.04	0.14
6.95	0.77	0.57	0.08	9.55	1.27	1.05	0.14
7.00	0.78	0.58	0.08	9.60	1.28	1.06	0.14
7.05	0.79	0.59	0.08	9.65	1.29	1.08	0.14
7.10	0.79	0.59	0.09	9.70	1.31	1.09	0.15
7.15	0.80	0.60	0.09	9.75	1.32	1.10	0.15
7.20	0.81	0.61	0.09	9.80	1.33	1.12	0.15
7.25	0.82	0.62	0.09	9.85	1.35	1.13	0.15
7.30	0.83	0.62	0.09	9.90	1.36	1.14	0.16
7.35	0.83	0.63	0.09	9.95	1.38	1.16	0.16
7.40	0.84	0.64	0.09	10.00	1.39	1.17	0.16
7.45	0.85	0.65	0.09	10.05	1.41	1.19	0.16
7.50	0.86	0.65	0.09	10.10	1.42	1.20	0.17
7.55	0.87	0.66	0.09	10.15	1.44	1.22	0.17

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	1.23	0.17	12.80	4.33	4.09	0.55
10.25	1.47	1.25	0.18	12.85	4.36	4.12	0.51
10.30	1.48	1.26	0.18	12.90	4.39	4.15	0.47
10.35	1.50	1.28	0.18	12.95	4.41	4.18	0.44
10.40	1.52	1.30	0.18	13.00	4.44	4.20	0.41
10.45	1.53	1.31	0.19	13.05	4.46	4.23	0.39
10.50	1.55	1.33	0.19	13.10	4.49	4.25	0.37
10.55	1.57	1.35	0.19	13.15	4.51	4.27	0.35
10.60	1.59	1.36	0.20	13.20	4.53	4.30	0.33
10.65	1.60	1.38	0.20	13.25	4.55	4.32	0.32
10.70	1.62	1.40	0.21	13.30	4.58	4.34	0.30
10.75	1.65	1.42	0.21	13.35	4.60	4.36	0.29
10.80	1.67	1.45	0.22	13.40	4.61	4.38	0.28
10.85	1.69	1.47	0.23	13.45	4.63	4.40	0.27
10.90	1.71	1.49	0.24	13.50	4.65	4.41	0.26
10.95	1.74	1.51	0.25	13.55	4.67	4.43	0.25
11.00	1.76	1.54	0.25	13.60	4.68	4.45	0.24
11.05	1.79	1.56	0.26	13.65	4.70	4.46	0.23
11.10	1.81	1.59	0.27	13.70	4.72	4.48	0.22
11.15	1.84	1.62	0.28	13.75	4.73	4.50	0.22
11.20	1.87	1.65	0.30	13.80	4.75	4.51	0.21
11.25	1.90	1.68	0.31	13.85	4.76	4.53	0.21
11.30	1.94	1.71	0.32	13.90	4.78	4.54	0.20
11.35	1.97	1.74	0.34	13.95	4.79	4.56	0.20
11.40	2.00	1.78	0.35	14.00	4.81	4.57	0.19
11.45	2.04	1.81	0.36	14.05	4.82	4.59	0.19
11.50	2.08	1.85	0.38	14.10	4.84	4.60	0.19
11.55	2.12	1.90	0.39	14.15	4.85	4.62	0.18
11.60	2.17	1.95	0.42	14.20	4.87	4.63	0.18
11.65	2.22	2.00	0.45	14.25	4.88	4.64	0.18
11.70	2.27	2.04	0.49	14.30	4.89	4.66	0.18
11.75	2.34	2.11	0.52	14.35	4.91	4.67	0.17
11.80	2.41	2.18	0.57	14.40	4.92	4.68	0.17
11.85	2.51	2.28	0.64	14.45	4.93	4.70	0.17
11.90	2.61	2.38	0.73	14.50	4.95	4.71	0.17
11.95	2.79	2.56	0.86	14.55	4.96	4.72	0.16
12.00	2.97	2.74	1.05	14.60	4.97	4.73	0.16
12.05	3.28	3.05	1.33	14.65	4.98	4.75	0.16
12.10	3.59	3.35	1.71	14.70	5.00	4.76	0.16
12.15	3.69	3.45	2.09	14.75	5.01	4.77	0.15
12.20	3.79	3.55	2.16	14.80	5.02	4.78	0.15
12.25	3.86	3.62	1.98	14.85	5.03	4.79	0.15
12.30	3.93	3.69	1.77	14.90	5.04	4.80	0.14
12.35	3.98	3.74	1.56	14.95	5.05	4.81	0.14
12.40	4.03	3.79	1.37	15.00	5.06	4.83	0.14
12.45	4.08	3.84	1.20	15.05	5.07	4.84	0.14
12.50	4.12	3.89	1.07	15.10	5.08	4.85	0.13
12.55	4.16	3.92	0.95	15.15	5.09	4.86	0.13
12.60	4.20	3.96	0.85	15.20	5.10	4.87	0.13
12.65	4.23	3.99	0.75	15.25	5.11	4.88	0.13
12.70	4.26	4.03	0.67	15.30	5.12	4.89	0.13
12.75	4.30	4.06	0.61	15.35	5.13	4.90	0.12

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	4.91	0.12	18.00	5.56	5.32	0.08
15.45	5.15	4.91	0.12	18.05	5.57	5.33	0.08
15.50	5.16	4.92	0.12	18.10	5.57	5.34	0.08
15.55	5.17	4.93	0.12	18.15	5.58	5.34	0.08
15.60	5.18	4.94	0.12	18.20	5.59	5.35	0.08
15.65	5.19	4.95	0.12	18.25	5.59	5.36	0.08
15.70	5.20	4.96	0.12	18.30	5.60	5.36	0.08
15.75	5.21	4.97	0.12	18.35	5.61	5.37	0.08
15.80	5.22	4.98	0.12	18.40	5.61	5.37	0.08
15.85	5.23	4.99	0.11	18.45	5.62	5.38	0.08
15.90	5.24	5.00	0.11	18.50	5.62	5.39	0.08
15.95	5.25	5.01	0.11	18.55	5.63	5.39	0.08
16.00	5.25	5.02	0.11	18.60	5.64	5.40	0.07
16.05	5.26	5.03	0.11	18.65	5.64	5.40	0.07
16.10	5.27	5.04	0.11	18.70	5.65	5.41	0.07
16.15	5.28	5.04	0.11	18.75	5.65	5.42	0.07
16.20	5.29	5.05	0.11	18.80	5.66	5.42	0.07
16.25	5.30	5.06	0.11	18.85	5.67	5.43	0.07
16.30	5.31	5.07	0.11	18.90	5.67	5.43	0.07
16.35	5.32	5.08	0.11	18.95	5.68	5.44	0.07
16.40	5.32	5.09	0.11	19.00	5.68	5.45	0.07
16.45	5.33	5.10	0.11	19.05	5.69	5.45	0.07
16.50	5.34	5.10	0.10	19.10	5.70	5.46	0.07
16.55	5.35	5.11	0.10	19.15	5.70	5.46	0.07
16.60	5.36	5.12	0.10	19.20	5.71	5.47	0.07
16.65	5.37	5.13	0.10	19.25	5.71	5.48	0.07
16.70	5.37	5.14	0.10	19.30	5.72	5.48	0.07
16.75	5.38	5.14	0.10	19.35	5.73	5.49	0.07
16.80	5.39	5.15	0.10	19.40	5.73	5.49	0.07
16.85	5.40	5.16	0.10	19.45	5.74	5.50	0.07
16.90	5.41	5.17	0.10	19.50	5.74	5.51	0.07
16.95	5.41	5.18	0.10	19.55	5.75	5.51	0.07
17.00	5.42	5.18	0.10	19.60	5.75	5.52	0.07
17.05	5.43	5.19	0.10	19.65	5.76	5.52	0.07
17.10	5.44	5.20	0.10	19.70	5.77	5.53	0.07
17.15	5.44	5.21	0.09	19.75	5.77	5.53	0.07
17.20	5.45	5.21	0.09	19.80	5.78	5.54	0.07
17.25	5.46	5.22	0.09	19.85	5.78	5.55	0.07
17.30	5.47	5.23	0.09	19.90	5.79	5.55	0.07
17.35	5.47	5.24	0.09	19.95	5.79	5.56	0.07
17.40	5.48	5.24	0.09	20.00	5.80	5.56	0.07
17.45	5.49	5.25	0.09	20.05	5.81	5.57	0.07
17.50	5.49	5.26	0.09	20.10	5.81	5.57	0.07
17.55	5.50	5.26	0.09	20.15	5.82	5.58	0.07
17.60	5.51	5.27	0.09	20.20	5.82	5.58	0.07
17.65	5.52	5.28	0.09	20.25	5.83	5.59	0.07
17.70	5.52	5.28	0.09	20.30	5.83	5.60	0.07
17.75	5.53	5.29	0.08	20.35	5.84	5.60	0.07
17.80	5.54	5.30	0.08	20.40	5.85	5.61	0.07
17.85	5.54	5.30	0.08	20.45	5.85	5.61	0.07
17.90	5.55	5.31	0.08	20.50	5.86	5.62	0.07
17.95	5.55	5.32	0.08	20.55	5.86	5.62	0.07

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	5.63	0.07	23.20	6.13	5.89	0.06
20.65	5.87	5.63	0.07	23.25	6.13	5.89	0.06
20.70	5.88	5.64	0.07	23.30	6.14	5.90	0.06
20.75	5.88	5.65	0.07	23.35	6.14	5.90	0.06
20.80	5.89	5.65	0.07	23.40	6.15	5.91	0.06
20.85	5.89	5.66	0.07	23.45	6.15	5.91	0.06
20.90	5.90	5.66	0.07	23.50	6.16	5.92	0.06
20.95	5.90	5.67	0.07	23.55	6.16	5.92	0.06
21.00	5.91	5.67	0.07	23.60	6.16	5.93	0.05
21.05	5.92	5.68	0.07	23.65	6.17	5.93	0.05
21.10	5.92	5.68	0.06	23.70	6.17	5.94	0.05
21.15	5.93	5.69	0.06	23.75	6.18	5.94	0.05
21.20	5.93	5.69	0.06	23.80	6.18	5.94	0.05
21.25	5.94	5.70	0.06	23.85	6.19	5.95	0.05
21.30	5.94	5.70	0.06	23.90	6.19	5.95	0.05
21.35	5.95	5.71	0.06	23.95	6.20	5.96	0.05
21.40	5.95	5.71	0.06	24.00	6.20	5.96	0.05
21.45	5.96	5.72	0.06	24.05	6.20	5.96	0.05
21.50	5.96	5.72	0.06	24.10	6.20	5.96	0.05
21.55	5.97	5.73	0.06	24.15	6.20	5.96	0.04
21.60	5.97	5.73	0.06	24.20	6.20	5.96	0.03
21.65	5.98	5.74	0.06	24.25	6.20	5.96	0.02
21.70	5.98	5.74	0.06	24.30	6.20	5.96	0.02
21.75	5.99	5.75	0.06	24.35	6.20	5.96	0.01
21.80	5.99	5.75	0.06	24.40	6.20	5.96	0.01
21.85	6.00	5.76	0.06	24.45	6.20	5.96	0.01
21.90	6.00	5.77	0.06	24.50	6.20	5.96	0.01
21.95	6.01	5.77	0.06	24.55	6.20	5.96	0.00
22.00	6.01	5.78	0.06	24.60	6.20	5.96	0.00
22.05	6.02	5.78	0.06	24.65	6.20	5.96	0.00
22.10	6.02	5.78	0.06	24.70	6.20	5.96	0.00
22.15	6.03	5.79	0.06	24.75	6.20	5.96	0.00
22.20	6.03	5.79	0.06	24.80	6.20	5.96	0.00
22.25	6.04	5.80	0.06	24.85	6.20	5.96	0.00
22.30	6.04	5.80	0.06	24.90	6.20	5.96	0.00
22.35	6.05	5.81	0.06	24.95	6.20	5.96	0.00
22.40	6.05	5.81	0.06	25.00	6.20	5.96	0.00
22.45	6.06	5.82	0.06	25.05	6.20	5.96	0.00
22.50	6.06	5.82	0.06	25.10	6.20	5.96	0.00
22.55	6.07	5.83	0.06	25.15	6.20	5.96	0.00
22.60	6.07	5.83	0.06	25.20	6.20	5.96	0.00
22.65	6.08	5.84	0.06	25.25	6.20	5.96	0.00
22.70	6.08	5.84	0.06	25.30	6.20	5.96	0.00
22.75	6.09	5.85	0.06	25.35	6.20	5.96	0.00
22.80	6.09	5.85	0.06	25.40	6.20	5.96	0.00
22.85	6.10	5.86	0.06	25.45	6.20	5.96	0.00
22.90	6.10	5.86	0.06	25.50	6.20	5.96	0.00
22.95	6.11	5.87	0.06	25.55	6.20	5.96	0.00
23.00	6.11	5.87	0.06	25.60	6.20	5.96	0.00
23.05	6.11	5.88	0.06	25.65	6.20	5.96	0.00
23.10	6.12	5.88	0.06	25.70	6.20	5.96	0.00
23.15	6.12	5.89	0.06	25.75	6.20	5.96	0.00

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	5.96	0.00	28.40	6.20	5.96	0.00
25.85	6.20	5.96	0.00	28.45	6.20	5.96	0.00
25.90	6.20	5.96	0.00	28.50	6.20	5.96	0.00
25.95	6.20	5.96	0.00	28.55	6.20	5.96	0.00
26.00	6.20	5.96	0.00	28.60	6.20	5.96	0.00
26.05	6.20	5.96	0.00	28.65	6.20	5.96	0.00
26.10	6.20	5.96	0.00	28.70	6.20	5.96	0.00
26.15	6.20	5.96	0.00	28.75	6.20	5.96	0.00
26.20	6.20	5.96	0.00	28.80	6.20	5.96	0.00
26.25	6.20	5.96	0.00	28.85	6.20	5.96	0.00
26.30	6.20	5.96	0.00	28.90	6.20	5.96	0.00
26.35	6.20	5.96	0.00	28.95	6.20	5.96	0.00
26.40	6.20	5.96	0.00	29.00	6.20	5.96	0.00
26.45	6.20	5.96	0.00	29.05	6.20	5.96	0.00
26.50	6.20	5.96	0.00	29.10	6.20	5.96	0.00
26.55	6.20	5.96	0.00	29.15	6.20	5.96	0.00
26.60	6.20	5.96	0.00	29.20	6.20	5.96	0.00
26.65	6.20	5.96	0.00	29.25	6.20	5.96	0.00
26.70	6.20	5.96	0.00	29.30	6.20	5.96	0.00
26.75	6.20	5.96	0.00	29.35	6.20	5.96	0.00
26.80	6.20	5.96	0.00	29.40	6.20	5.96	0.00
26.85	6.20	5.96	0.00	29.45	6.20	5.96	0.00
26.90	6.20	5.96	0.00	29.50	6.20	5.96	0.00
26.95	6.20	5.96	0.00	29.55	6.20	5.96	0.00
27.00	6.20	5.96	0.00	29.60	6.20	5.96	0.00
27.05	6.20	5.96	0.00	29.65	6.20	5.96	0.00
27.10	6.20	5.96	0.00	29.70	6.20	5.96	0.00
27.15	6.20	5.96	0.00	29.75	6.20	5.96	0.00
27.20	6.20	5.96	0.00	29.80	6.20	5.96	0.00
27.25	6.20	5.96	0.00	29.85	6.20	5.96	0.00
27.30	6.20	5.96	0.00	29.90	6.20	5.96	0.00
27.35	6.20	5.96	0.00	29.95	6.20	5.96	0.00
27.40	6.20	5.96	0.00	30.00	6.20	5.96	0.00
27.45	6.20	5.96	0.00				
27.50	6.20	5.96	0.00				
27.55	6.20	5.96	0.00				
27.60	6.20	5.96	0.00				
27.65	6.20	5.96	0.00				
27.70	6.20	5.96	0.00				
27.75	6.20	5.96	0.00				
27.80	6.20	5.96	0.00				
27.85	6.20	5.96	0.00				
27.90	6.20	5.96	0.00				
27.95	6.20	5.96	0.00				
28.00	6.20	5.96	0.00				
28.05	6.20	5.96	0.00				
28.10	6.20	5.96	0.00				
28.15	6.20	5.96	0.00				
28.20	6.20	5.96	0.00				
28.25	6.20	5.96	0.00				
28.30	6.20	5.96	0.00				
28.35	6.20	5.96	0.00				

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Summary for Subcatchment Basin 1 Pervious: Basin 1 - Pervious

Runoff = 0.17 cfs @ 13.15 hrs, Volume= 0.088 af, Depth= 0.50"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 2.100	39	lawn, A soils
2.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.00	0.00	7.60	0.88	0.00	0.00
5.05	0.52	0.00	0.00	7.65	0.88	0.00	0.00
5.10	0.53	0.00	0.00	7.70	0.89	0.00	0.00
5.15	0.53	0.00	0.00	7.75	0.90	0.00	0.00
5.20	0.54	0.00	0.00	7.80	0.91	0.00	0.00
5.25	0.55	0.00	0.00	7.85	0.92	0.00	0.00
5.30	0.55	0.00	0.00	7.90	0.93	0.00	0.00
5.35	0.56	0.00	0.00	7.95	0.94	0.00	0.00
5.40	0.56	0.00	0.00	8.00	0.95	0.00	0.00
5.45	0.57	0.00	0.00	8.05	0.95	0.00	0.00
5.50	0.58	0.00	0.00	8.10	0.96	0.00	0.00
5.55	0.58	0.00	0.00	8.15	0.97	0.00	0.00
5.60	0.59	0.00	0.00	8.20	0.98	0.00	0.00
5.65	0.59	0.00	0.00	8.25	0.99	0.00	0.00
5.70	0.60	0.00	0.00	8.30	1.00	0.00	0.00
5.75	0.61	0.00	0.00	8.35	1.01	0.00	0.00
5.80	0.61	0.00	0.00	8.40	1.02	0.00	0.00
5.85	0.62	0.00	0.00	8.45	1.03	0.00	0.00
5.90	0.63	0.00	0.00	8.50	1.04	0.00	0.00
5.95	0.63	0.00	0.00	8.55	1.05	0.00	0.00
6.00	0.64	0.00	0.00	8.60	1.06	0.00	0.00
6.05	0.65	0.00	0.00	8.65	1.07	0.00	0.00
6.10	0.65	0.00	0.00	8.70	1.08	0.00	0.00
6.15	0.66	0.00	0.00	8.75	1.09	0.00	0.00
6.20	0.66	0.00	0.00	8.80	1.10	0.00	0.00
6.25	0.67	0.00	0.00	8.85	1.11	0.00	0.00
6.30	0.68	0.00	0.00	8.90	1.12	0.00	0.00
6.35	0.68	0.00	0.00	8.95	1.13	0.00	0.00
6.40	0.69	0.00	0.00	9.00	1.14	0.00	0.00
6.45	0.70	0.00	0.00	9.05	1.15	0.00	0.00
6.50	0.71	0.00	0.00	9.10	1.16	0.00	0.00
6.55	0.71	0.00	0.00	9.15	1.17	0.00	0.00
6.60	0.72	0.00	0.00	9.20	1.18	0.00	0.00
6.65	0.73	0.00	0.00	9.25	1.19	0.00	0.00
6.70	0.73	0.00	0.00	9.30	1.20	0.00	0.00
6.75	0.74	0.00	0.00	9.35	1.22	0.00	0.00
6.80	0.75	0.00	0.00	9.40	1.23	0.00	0.00
6.85	0.76	0.00	0.00	9.45	1.24	0.00	0.00
6.90	0.76	0.00	0.00	9.50	1.25	0.00	0.00
6.95	0.77	0.00	0.00	9.55	1.27	0.00	0.00
7.00	0.78	0.00	0.00	9.60	1.28	0.00	0.00
7.05	0.79	0.00	0.00	9.65	1.29	0.00	0.00
7.10	0.79	0.00	0.00	9.70	1.31	0.00	0.00
7.15	0.80	0.00	0.00	9.75	1.32	0.00	0.00
7.20	0.81	0.00	0.00	9.80	1.33	0.00	0.00
7.25	0.82	0.00	0.00	9.85	1.35	0.00	0.00
7.30	0.83	0.00	0.00	9.90	1.36	0.00	0.00
7.35	0.83	0.00	0.00	9.95	1.38	0.00	0.00
7.40	0.84	0.00	0.00	10.00	1.39	0.00	0.00
7.45	0.85	0.00	0.00	10.05	1.41	0.00	0.00
7.50	0.86	0.00	0.00	10.10	1.42	0.00	0.00
7.55	0.87	0.00	0.00	10.15	1.44	0.00	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	0.00	0.00	12.80	4.33	0.09	0.16
10.25	1.47	0.00	0.00	12.85	4.36	0.09	0.16
10.30	1.48	0.00	0.00	12.90	4.39	0.09	0.16
10.35	1.50	0.00	0.00	12.95	4.41	0.10	0.16
10.40	1.52	0.00	0.00	13.00	4.44	0.10	0.17
10.45	1.53	0.00	0.00	13.05	4.46	0.10	0.17
10.50	1.55	0.00	0.00	13.10	4.49	0.11	0.17
10.55	1.57	0.00	0.00	13.15	4.51	0.11	0.17
10.60	1.59	0.00	0.00	13.20	4.53	0.12	0.17
10.65	1.60	0.00	0.00	13.25	4.55	0.12	0.17
10.70	1.62	0.00	0.00	13.30	4.58	0.12	0.17
10.75	1.65	0.00	0.00	13.35	4.60	0.13	0.17
10.80	1.67	0.00	0.00	13.40	4.61	0.13	0.16
10.85	1.69	0.00	0.00	13.45	4.63	0.13	0.16
10.90	1.71	0.00	0.00	13.50	4.65	0.14	0.16
10.95	1.74	0.00	0.00	13.55	4.67	0.14	0.16
11.00	1.76	0.00	0.00	13.60	4.68	0.14	0.16
11.05	1.79	0.00	0.00	13.65	4.70	0.14	0.16
11.10	1.81	0.00	0.00	13.70	4.72	0.15	0.15
11.15	1.84	0.00	0.00	13.75	4.73	0.15	0.15
11.20	1.87	0.00	0.00	13.80	4.75	0.15	0.15
11.25	1.90	0.00	0.00	13.85	4.76	0.15	0.15
11.30	1.94	0.00	0.00	13.90	4.78	0.16	0.14
11.35	1.97	0.00	0.00	13.95	4.79	0.16	0.14
11.40	2.00	0.00	0.00	14.00	4.81	0.16	0.14
11.45	2.04	0.00	0.00	14.05	4.82	0.17	0.14
11.50	2.08	0.00	0.00	14.10	4.84	0.17	0.14
11.55	2.12	0.00	0.00	14.15	4.85	0.17	0.13
11.60	2.17	0.00	0.00	14.20	4.87	0.17	0.13
11.65	2.22	0.00	0.00	14.25	4.88	0.18	0.13
11.70	2.27	0.00	0.00	14.30	4.89	0.18	0.13
11.75	2.34	0.00	0.00	14.35	4.91	0.18	0.13
11.80	2.41	0.00	0.00	14.40	4.92	0.18	0.13
11.85	2.51	0.00	0.00	14.45	4.93	0.19	0.12
11.90	2.61	0.00	0.00	14.50	4.95	0.19	0.12
11.95	2.79	0.00	0.00	14.55	4.96	0.19	0.12
12.00	2.97	0.00	0.00	14.60	4.97	0.19	0.12
12.05	3.28	0.00	0.00	14.65	4.98	0.20	0.12
12.10	3.59	0.01	0.00	14.70	5.00	0.20	0.12
12.15	3.69	0.02	0.00	14.75	5.01	0.20	0.12
12.20	3.79	0.03	0.01	14.80	5.02	0.20	0.12
12.25	3.86	0.03	0.03	14.85	5.03	0.21	0.11
12.30	3.93	0.04	0.04	14.90	5.04	0.21	0.11
12.35	3.98	0.04	0.06	14.95	5.05	0.21	0.11
12.40	4.03	0.05	0.09	15.00	5.06	0.21	0.11
12.45	4.08	0.05	0.10	15.05	5.07	0.21	0.11
12.50	4.12	0.06	0.12	15.10	5.08	0.22	0.11
12.55	4.16	0.06	0.13	15.15	5.09	0.22	0.11
12.60	4.20	0.07	0.14	15.20	5.10	0.22	0.11
12.65	4.23	0.07	0.14	15.25	5.11	0.22	0.10
12.70	4.26	0.08	0.15	15.30	5.12	0.23	0.10
12.75	4.30	0.08	0.15	15.35	5.13	0.23	0.10

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	0.23	0.10	18.00	5.56	0.33	0.07
15.45	5.15	0.23	0.10	18.05	5.57	0.33	0.07
15.50	5.16	0.23	0.10	18.10	5.57	0.33	0.07
15.55	5.17	0.24	0.10	18.15	5.58	0.33	0.07
15.60	5.18	0.24	0.10	18.20	5.59	0.33	0.07
15.65	5.19	0.24	0.10	18.25	5.59	0.34	0.07
15.70	5.20	0.24	0.10	18.30	5.60	0.34	0.07
15.75	5.21	0.24	0.09	18.35	5.61	0.34	0.07
15.80	5.22	0.25	0.09	18.40	5.61	0.34	0.07
15.85	5.23	0.25	0.09	18.45	5.62	0.34	0.07
15.90	5.24	0.25	0.09	18.50	5.62	0.34	0.07
15.95	5.25	0.25	0.09	18.55	5.63	0.34	0.07
16.00	5.25	0.25	0.09	18.60	5.64	0.35	0.07
16.05	5.26	0.26	0.09	18.65	5.64	0.35	0.07
16.10	5.27	0.26	0.09	18.70	5.65	0.35	0.07
16.15	5.28	0.26	0.09	18.75	5.65	0.35	0.07
16.20	5.29	0.26	0.09	18.80	5.66	0.35	0.07
16.25	5.30	0.26	0.09	18.85	5.67	0.35	0.07
16.30	5.31	0.27	0.09	18.90	5.67	0.36	0.07
16.35	5.32	0.27	0.09	18.95	5.68	0.36	0.07
16.40	5.32	0.27	0.09	19.00	5.68	0.36	0.07
16.45	5.33	0.27	0.09	19.05	5.69	0.36	0.07
16.50	5.34	0.27	0.09	19.10	5.70	0.36	0.07
16.55	5.35	0.28	0.09	19.15	5.70	0.36	0.07
16.60	5.36	0.28	0.09	19.20	5.71	0.37	0.07
16.65	5.37	0.28	0.09	19.25	5.71	0.37	0.07
16.70	5.37	0.28	0.09	19.30	5.72	0.37	0.07
16.75	5.38	0.28	0.09	19.35	5.73	0.37	0.07
16.80	5.39	0.29	0.08	19.40	5.73	0.37	0.07
16.85	5.40	0.29	0.08	19.45	5.74	0.37	0.07
16.90	5.41	0.29	0.08	19.50	5.74	0.37	0.07
16.95	5.41	0.29	0.08	19.55	5.75	0.38	0.07
17.00	5.42	0.29	0.08	19.60	5.75	0.38	0.07
17.05	5.43	0.30	0.08	19.65	5.76	0.38	0.07
17.10	5.44	0.30	0.08	19.70	5.77	0.38	0.07
17.15	5.44	0.30	0.08	19.75	5.77	0.38	0.07
17.20	5.45	0.30	0.08	19.80	5.78	0.38	0.07
17.25	5.46	0.30	0.08	19.85	5.78	0.39	0.07
17.30	5.47	0.30	0.08	19.90	5.79	0.39	0.07
17.35	5.47	0.31	0.08	19.95	5.79	0.39	0.07
17.40	5.48	0.31	0.08	20.00	5.80	0.39	0.07
17.45	5.49	0.31	0.08	20.05	5.81	0.39	0.07
17.50	5.49	0.31	0.08	20.10	5.81	0.39	0.07
17.55	5.50	0.31	0.08	20.15	5.82	0.39	0.07
17.60	5.51	0.31	0.08	20.20	5.82	0.40	0.07
17.65	5.52	0.32	0.08	20.25	5.83	0.40	0.07
17.70	5.52	0.32	0.08	20.30	5.83	0.40	0.07
17.75	5.53	0.32	0.08	20.35	5.84	0.40	0.07
17.80	5.54	0.32	0.08	20.40	5.85	0.40	0.07
17.85	5.54	0.32	0.08	20.45	5.85	0.40	0.07
17.90	5.55	0.32	0.08	20.50	5.86	0.41	0.06
17.95	5.55	0.33	0.08	20.55	5.86	0.41	0.06

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	0.41	0.06	23.20	6.13	0.48	0.06
20.65	5.87	0.41	0.06	23.25	6.13	0.48	0.06
20.70	5.88	0.41	0.06	23.30	6.14	0.49	0.06
20.75	5.88	0.41	0.06	23.35	6.14	0.49	0.06
20.80	5.89	0.41	0.06	23.40	6.15	0.49	0.06
20.85	5.89	0.42	0.06	23.45	6.15	0.49	0.06
20.90	5.90	0.42	0.06	23.50	6.16	0.49	0.06
20.95	5.90	0.42	0.06	23.55	6.16	0.49	0.06
21.00	5.91	0.42	0.06	23.60	6.16	0.49	0.06
21.05	5.92	0.42	0.06	23.65	6.17	0.49	0.06
21.10	5.92	0.42	0.06	23.70	6.17	0.50	0.06
21.15	5.93	0.42	0.06	23.75	6.18	0.50	0.06
21.20	5.93	0.43	0.06	23.80	6.18	0.50	0.06
21.25	5.94	0.43	0.06	23.85	6.19	0.50	0.06
21.30	5.94	0.43	0.06	23.90	6.19	0.50	0.06
21.35	5.95	0.43	0.06	23.95	6.20	0.50	0.06
21.40	5.95	0.43	0.06	24.00	6.20	0.50	0.06
21.45	5.96	0.43	0.06	24.05	6.20	0.50	0.06
21.50	5.96	0.43	0.06	24.10	6.20	0.50	0.06
21.55	5.97	0.44	0.06	24.15	6.20	0.50	0.06
21.60	5.97	0.44	0.06	24.20	6.20	0.50	0.05
21.65	5.98	0.44	0.06	24.25	6.20	0.50	0.05
21.70	5.98	0.44	0.06	24.30	6.20	0.50	0.05
21.75	5.99	0.44	0.06	24.35	6.20	0.50	0.04
21.80	5.99	0.44	0.06	24.40	6.20	0.50	0.04
21.85	6.00	0.44	0.06	24.45	6.20	0.50	0.04
21.90	6.00	0.45	0.06	24.50	6.20	0.50	0.03
21.95	6.01	0.45	0.06	24.55	6.20	0.50	0.03
22.00	6.01	0.45	0.06	24.60	6.20	0.50	0.03
22.05	6.02	0.45	0.06	24.65	6.20	0.50	0.02
22.10	6.02	0.45	0.06	24.70	6.20	0.50	0.02
22.15	6.03	0.45	0.06	24.75	6.20	0.50	0.02
22.20	6.03	0.45	0.06	24.80	6.20	0.50	0.02
22.25	6.04	0.46	0.06	24.85	6.20	0.50	0.02
22.30	6.04	0.46	0.06	24.90	6.20	0.50	0.01
22.35	6.05	0.46	0.06	24.95	6.20	0.50	0.01
22.40	6.05	0.46	0.06	25.00	6.20	0.50	0.01
22.45	6.06	0.46	0.06	25.05	6.20	0.50	0.01
22.50	6.06	0.46	0.06	25.10	6.20	0.50	0.01
22.55	6.07	0.46	0.06	25.15	6.20	0.50	0.01
22.60	6.07	0.47	0.06	25.20	6.20	0.50	0.01
22.65	6.08	0.47	0.06	25.25	6.20	0.50	0.01
22.70	6.08	0.47	0.06	25.30	6.20	0.50	0.01
22.75	6.09	0.47	0.06	25.35	6.20	0.50	0.01
22.80	6.09	0.47	0.06	25.40	6.20	0.50	0.01
22.85	6.10	0.47	0.06	25.45	6.20	0.50	0.00
22.90	6.10	0.47	0.06	25.50	6.20	0.50	0.00
22.95	6.11	0.48	0.06	25.55	6.20	0.50	0.00
23.00	6.11	0.48	0.06	25.60	6.20	0.50	0.00
23.05	6.11	0.48	0.06	25.65	6.20	0.50	0.00
23.10	6.12	0.48	0.06	25.70	6.20	0.50	0.00
23.15	6.12	0.48	0.06	25.75	6.20	0.50	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	0.50	0.00	28.40	6.20	0.50	0.00
25.85	6.20	0.50	0.00	28.45	6.20	0.50	0.00
25.90	6.20	0.50	0.00	28.50	6.20	0.50	0.00
25.95	6.20	0.50	0.00	28.55	6.20	0.50	0.00
26.00	6.20	0.50	0.00	28.60	6.20	0.50	0.00
26.05	6.20	0.50	0.00	28.65	6.20	0.50	0.00
26.10	6.20	0.50	0.00	28.70	6.20	0.50	0.00
26.15	6.20	0.50	0.00	28.75	6.20	0.50	0.00
26.20	6.20	0.50	0.00	28.80	6.20	0.50	0.00
26.25	6.20	0.50	0.00	28.85	6.20	0.50	0.00
26.30	6.20	0.50	0.00	28.90	6.20	0.50	0.00
26.35	6.20	0.50	0.00	28.95	6.20	0.50	0.00
26.40	6.20	0.50	0.00	29.00	6.20	0.50	0.00
26.45	6.20	0.50	0.00	29.05	6.20	0.50	0.00
26.50	6.20	0.50	0.00	29.10	6.20	0.50	0.00
26.55	6.20	0.50	0.00	29.15	6.20	0.50	0.00
26.60	6.20	0.50	0.00	29.20	6.20	0.50	0.00
26.65	6.20	0.50	0.00	29.25	6.20	0.50	0.00
26.70	6.20	0.50	0.00	29.30	6.20	0.50	0.00
26.75	6.20	0.50	0.00	29.35	6.20	0.50	0.00
26.80	6.20	0.50	0.00	29.40	6.20	0.50	0.00
26.85	6.20	0.50	0.00	29.45	6.20	0.50	0.00
26.90	6.20	0.50	0.00	29.50	6.20	0.50	0.00
26.95	6.20	0.50	0.00	29.55	6.20	0.50	0.00
27.00	6.20	0.50	0.00	29.60	6.20	0.50	0.00
27.05	6.20	0.50	0.00	29.65	6.20	0.50	0.00
27.10	6.20	0.50	0.00	29.70	6.20	0.50	0.00
27.15	6.20	0.50	0.00	29.75	6.20	0.50	0.00
27.20	6.20	0.50	0.00	29.80	6.20	0.50	0.00
27.25	6.20	0.50	0.00	29.85	6.20	0.50	0.00
27.30	6.20	0.50	0.00	29.90	6.20	0.50	0.00
27.35	6.20	0.50	0.00	29.95	6.20	0.50	0.00
27.40	6.20	0.50	0.00	30.00	6.20	0.50	0.00
27.45	6.20	0.50	0.00				
27.50	6.20	0.50	0.00				
27.55	6.20	0.50	0.00				
27.60	6.20	0.50	0.00				
27.65	6.20	0.50	0.00				
27.70	6.20	0.50	0.00				
27.75	6.20	0.50	0.00				
27.80	6.20	0.50	0.00				
27.85	6.20	0.50	0.00				
27.90	6.20	0.50	0.00				
27.95	6.20	0.50	0.00				
28.00	6.20	0.50	0.00				
28.05	6.20	0.50	0.00				
28.10	6.20	0.50	0.00				
28.15	6.20	0.50	0.00				
28.20	6.20	0.50	0.00				
28.25	6.20	0.50	0.00				
28.30	6.20	0.50	0.00				
28.35	6.20	0.50	0.00				

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Summary for Subcatchment Basin 1 Roof: Basin 1 Roof

Runoff = 1.81 cfs @ 12.19 hrs, Volume= 0.236 af, Depth> 5.66"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.500	98	Roof
0.500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.33	0.05	7.60	0.88	0.67	0.08
5.05	0.52	0.34	0.05	7.65	0.88	0.68	0.08
5.10	0.53	0.34	0.05	7.70	0.89	0.69	0.08
5.15	0.53	0.35	0.05	7.75	0.90	0.70	0.08
5.20	0.54	0.35	0.05	7.80	0.91	0.70	0.08
5.25	0.55	0.36	0.05	7.85	0.92	0.71	0.08
5.30	0.55	0.37	0.06	7.90	0.93	0.72	0.08
5.35	0.56	0.37	0.06	7.95	0.94	0.73	0.08
5.40	0.56	0.38	0.06	8.00	0.95	0.74	0.08
5.45	0.57	0.38	0.06	8.05	0.95	0.75	0.08
5.50	0.58	0.39	0.06	8.10	0.96	0.76	0.09
5.55	0.58	0.39	0.06	8.15	0.97	0.76	0.09
5.60	0.59	0.40	0.06	8.20	0.98	0.77	0.09
5.65	0.59	0.40	0.06	8.25	0.99	0.78	0.09
5.70	0.60	0.41	0.06	8.30	1.00	0.79	0.09
5.75	0.61	0.42	0.06	8.35	1.01	0.80	0.09
5.80	0.61	0.42	0.06	8.40	1.02	0.81	0.09
5.85	0.62	0.43	0.06	8.45	1.03	0.82	0.09
5.90	0.63	0.43	0.06	8.50	1.04	0.83	0.09
5.95	0.63	0.44	0.06	8.55	1.05	0.84	0.09
6.00	0.64	0.45	0.06	8.60	1.06	0.85	0.09
6.05	0.65	0.45	0.06	8.65	1.07	0.86	0.09
6.10	0.65	0.46	0.06	8.70	1.08	0.87	0.09
6.15	0.66	0.46	0.06	8.75	1.09	0.88	0.09
6.20	0.66	0.47	0.06	8.80	1.10	0.89	0.10
6.25	0.67	0.48	0.06	8.85	1.11	0.90	0.10
6.30	0.68	0.48	0.06	8.90	1.12	0.91	0.10
6.35	0.68	0.49	0.06	8.95	1.13	0.92	0.10
6.40	0.69	0.50	0.06	9.00	1.14	0.93	0.10
6.45	0.70	0.50	0.06	9.05	1.15	0.94	0.10
6.50	0.71	0.51	0.06	9.10	1.16	0.95	0.10
6.55	0.71	0.52	0.06	9.15	1.17	0.96	0.10
6.60	0.72	0.52	0.06	9.20	1.18	0.97	0.10
6.65	0.73	0.53	0.07	9.25	1.19	0.98	0.10
6.70	0.73	0.54	0.07	9.30	1.20	0.99	0.11
6.75	0.74	0.54	0.07	9.35	1.22	1.00	0.11
6.80	0.75	0.55	0.07	9.40	1.23	1.01	0.11
6.85	0.76	0.56	0.07	9.45	1.24	1.03	0.11
6.90	0.76	0.56	0.07	9.50	1.25	1.04	0.11
6.95	0.77	0.57	0.07	9.55	1.27	1.05	0.12
7.00	0.78	0.58	0.07	9.60	1.28	1.06	0.12
7.05	0.79	0.59	0.07	9.65	1.29	1.08	0.12
7.10	0.79	0.59	0.07	9.70	1.31	1.09	0.12
7.15	0.80	0.60	0.07	9.75	1.32	1.10	0.12
7.20	0.81	0.61	0.07	9.80	1.33	1.12	0.13
7.25	0.82	0.62	0.07	9.85	1.35	1.13	0.13
7.30	0.83	0.62	0.07	9.90	1.36	1.14	0.13
7.35	0.83	0.63	0.07	9.95	1.38	1.16	0.13
7.40	0.84	0.64	0.08	10.00	1.39	1.17	0.14
7.45	0.85	0.65	0.08	10.05	1.41	1.19	0.14
7.50	0.86	0.65	0.08	10.10	1.42	1.20	0.14
7.55	0.87	0.66	0.08	10.15	1.44	1.22	0.14

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	1.23	0.14	12.80	4.33	4.09	0.46
10.25	1.47	1.25	0.15	12.85	4.36	4.12	0.42
10.30	1.48	1.26	0.15	12.90	4.39	4.15	0.39
10.35	1.50	1.28	0.15	12.95	4.41	4.18	0.37
10.40	1.52	1.30	0.15	13.00	4.44	4.20	0.34
10.45	1.53	1.31	0.15	13.05	4.46	4.23	0.33
10.50	1.55	1.33	0.16	13.10	4.49	4.25	0.31
10.55	1.57	1.35	0.16	13.15	4.51	4.27	0.29
10.60	1.59	1.36	0.16	13.20	4.53	4.30	0.28
10.65	1.60	1.38	0.17	13.25	4.55	4.32	0.26
10.70	1.62	1.40	0.17	13.30	4.58	4.34	0.25
10.75	1.65	1.42	0.18	13.35	4.60	4.36	0.24
10.80	1.67	1.45	0.18	13.40	4.61	4.38	0.23
10.85	1.69	1.47	0.19	13.45	4.63	4.40	0.23
10.90	1.71	1.49	0.20	13.50	4.65	4.41	0.22
10.95	1.74	1.51	0.20	13.55	4.67	4.43	0.21
11.00	1.76	1.54	0.21	13.60	4.68	4.45	0.20
11.05	1.79	1.56	0.22	13.65	4.70	4.46	0.19
11.10	1.81	1.59	0.23	13.70	4.72	4.48	0.19
11.15	1.84	1.62	0.24	13.75	4.73	4.50	0.18
11.20	1.87	1.65	0.25	13.80	4.75	4.51	0.18
11.25	1.90	1.68	0.26	13.85	4.76	4.53	0.17
11.30	1.94	1.71	0.27	13.90	4.78	4.54	0.17
11.35	1.97	1.74	0.28	13.95	4.79	4.56	0.17
11.40	2.00	1.78	0.29	14.00	4.81	4.57	0.16
11.45	2.04	1.81	0.30	14.05	4.82	4.59	0.16
11.50	2.08	1.85	0.31	14.10	4.84	4.60	0.16
11.55	2.12	1.90	0.33	14.15	4.85	4.62	0.15
11.60	2.17	1.95	0.35	14.20	4.87	4.63	0.15
11.65	2.22	2.00	0.38	14.25	4.88	4.64	0.15
11.70	2.27	2.04	0.41	14.30	4.89	4.66	0.15
11.75	2.34	2.11	0.43	14.35	4.91	4.67	0.14
11.80	2.41	2.18	0.47	14.40	4.92	4.68	0.14
11.85	2.51	2.28	0.53	14.45	4.93	4.70	0.14
11.90	2.61	2.38	0.61	14.50	4.95	4.71	0.14
11.95	2.79	2.56	0.71	14.55	4.96	4.72	0.14
12.00	2.97	2.74	0.88	14.60	4.97	4.73	0.13
12.05	3.28	3.05	1.11	14.65	4.98	4.75	0.13
12.10	3.59	3.35	1.43	14.70	5.00	4.76	0.13
12.15	3.69	3.45	1.74	14.75	5.01	4.77	0.13
12.20	3.79	3.55	1.80	14.80	5.02	4.78	0.13
12.25	3.86	3.62	1.65	14.85	5.03	4.79	0.12
12.30	3.93	3.69	1.47	14.90	5.04	4.80	0.12
12.35	3.98	3.74	1.30	14.95	5.05	4.81	0.12
12.40	4.03	3.79	1.14	15.00	5.06	4.83	0.12
12.45	4.08	3.84	1.00	15.05	5.07	4.84	0.11
12.50	4.12	3.89	0.89	15.10	5.08	4.85	0.11
12.55	4.16	3.92	0.79	15.15	5.09	4.86	0.11
12.60	4.20	3.96	0.71	15.20	5.10	4.87	0.11
12.65	4.23	3.99	0.63	15.25	5.11	4.88	0.11
12.70	4.26	4.03	0.56	15.30	5.12	4.89	0.11
12.75	4.30	4.06	0.50	15.35	5.13	4.90	0.10

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	4.91	0.10	18.00	5.56	5.32	0.07
15.45	5.15	4.91	0.10	18.05	5.57	5.33	0.07
15.50	5.16	4.92	0.10	18.10	5.57	5.34	0.07
15.55	5.17	4.93	0.10	18.15	5.58	5.34	0.07
15.60	5.18	4.94	0.10	18.20	5.59	5.35	0.06
15.65	5.19	4.95	0.10	18.25	5.59	5.36	0.06
15.70	5.20	4.96	0.10	18.30	5.60	5.36	0.06
15.75	5.21	4.97	0.10	18.35	5.61	5.37	0.06
15.80	5.22	4.98	0.10	18.40	5.61	5.37	0.06
15.85	5.23	4.99	0.10	18.45	5.62	5.38	0.06
15.90	5.24	5.00	0.10	18.50	5.62	5.39	0.06
15.95	5.25	5.01	0.09	18.55	5.63	5.39	0.06
16.00	5.25	5.02	0.09	18.60	5.64	5.40	0.06
16.05	5.26	5.03	0.09	18.65	5.64	5.40	0.06
16.10	5.27	5.04	0.09	18.70	5.65	5.41	0.06
16.15	5.28	5.04	0.09	18.75	5.65	5.42	0.06
16.20	5.29	5.05	0.09	18.80	5.66	5.42	0.06
16.25	5.30	5.06	0.09	18.85	5.67	5.43	0.06
16.30	5.31	5.07	0.09	18.90	5.67	5.43	0.06
16.35	5.32	5.08	0.09	18.95	5.68	5.44	0.06
16.40	5.32	5.09	0.09	19.00	5.68	5.45	0.06
16.45	5.33	5.10	0.09	19.05	5.69	5.45	0.06
16.50	5.34	5.10	0.09	19.10	5.70	5.46	0.06
16.55	5.35	5.11	0.09	19.15	5.70	5.46	0.06
16.60	5.36	5.12	0.09	19.20	5.71	5.47	0.06
16.65	5.37	5.13	0.09	19.25	5.71	5.48	0.06
16.70	5.37	5.14	0.08	19.30	5.72	5.48	0.06
16.75	5.38	5.14	0.08	19.35	5.73	5.49	0.06
16.80	5.39	5.15	0.08	19.40	5.73	5.49	0.06
16.85	5.40	5.16	0.08	19.45	5.74	5.50	0.06
16.90	5.41	5.17	0.08	19.50	5.74	5.51	0.06
16.95	5.41	5.18	0.08	19.55	5.75	5.51	0.06
17.00	5.42	5.18	0.08	19.60	5.75	5.52	0.06
17.05	5.43	5.19	0.08	19.65	5.76	5.52	0.06
17.10	5.44	5.20	0.08	19.70	5.77	5.53	0.06
17.15	5.44	5.21	0.08	19.75	5.77	5.53	0.06
17.20	5.45	5.21	0.08	19.80	5.78	5.54	0.06
17.25	5.46	5.22	0.08	19.85	5.78	5.55	0.06
17.30	5.47	5.23	0.08	19.90	5.79	5.55	0.06
17.35	5.47	5.24	0.08	19.95	5.79	5.56	0.06
17.40	5.48	5.24	0.08	20.00	5.80	5.56	0.06
17.45	5.49	5.25	0.07	20.05	5.81	5.57	0.06
17.50	5.49	5.26	0.07	20.10	5.81	5.57	0.06
17.55	5.50	5.26	0.07	20.15	5.82	5.58	0.06
17.60	5.51	5.27	0.07	20.20	5.82	5.58	0.06
17.65	5.52	5.28	0.07	20.25	5.83	5.59	0.06
17.70	5.52	5.28	0.07	20.30	5.83	5.60	0.06
17.75	5.53	5.29	0.07	20.35	5.84	5.60	0.06
17.80	5.54	5.30	0.07	20.40	5.85	5.61	0.06
17.85	5.54	5.30	0.07	20.45	5.85	5.61	0.06
17.90	5.55	5.31	0.07	20.50	5.86	5.62	0.06
17.95	5.55	5.32	0.07	20.55	5.86	5.62	0.06

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	5.63	0.06	23.20	6.13	5.89	0.05
20.65	5.87	5.63	0.06	23.25	6.13	5.89	0.05
20.70	5.88	5.64	0.06	23.30	6.14	5.90	0.05
20.75	5.88	5.65	0.06	23.35	6.14	5.90	0.05
20.80	5.89	5.65	0.06	23.40	6.15	5.91	0.05
20.85	5.89	5.66	0.05	23.45	6.15	5.91	0.05
20.90	5.90	5.66	0.05	23.50	6.16	5.92	0.05
20.95	5.90	5.67	0.05	23.55	6.16	5.92	0.05
21.00	5.91	5.67	0.05	23.60	6.16	5.93	0.05
21.05	5.92	5.68	0.05	23.65	6.17	5.93	0.05
21.10	5.92	5.68	0.05	23.70	6.17	5.94	0.05
21.15	5.93	5.69	0.05	23.75	6.18	5.94	0.05
21.20	5.93	5.69	0.05	23.80	6.18	5.94	0.05
21.25	5.94	5.70	0.05	23.85	6.19	5.95	0.05
21.30	5.94	5.70	0.05	23.90	6.19	5.95	0.04
21.35	5.95	5.71	0.05	23.95	6.20	5.96	0.04
21.40	5.95	5.71	0.05	24.00	6.20	5.96	0.04
21.45	5.96	5.72	0.05	24.05	6.20	5.96	0.04
21.50	5.96	5.72	0.05	24.10	6.20	5.96	0.04
21.55	5.97	5.73	0.05	24.15	6.20	5.96	0.03
21.60	5.97	5.73	0.05	24.20	6.20	5.96	0.02
21.65	5.98	5.74	0.05	24.25	6.20	5.96	0.02
21.70	5.98	5.74	0.05	24.30	6.20	5.96	0.01
21.75	5.99	5.75	0.05	24.35	6.20	5.96	0.01
21.80	5.99	5.75	0.05	24.40	6.20	5.96	0.01
21.85	6.00	5.76	0.05	24.45	6.20	5.96	0.01
21.90	6.00	5.77	0.05	24.50	6.20	5.96	0.00
21.95	6.01	5.77	0.05	24.55	6.20	5.96	0.00
22.00	6.01	5.78	0.05	24.60	6.20	5.96	0.00
22.05	6.02	5.78	0.05	24.65	6.20	5.96	0.00
22.10	6.02	5.78	0.05	24.70	6.20	5.96	0.00
22.15	6.03	5.79	0.05	24.75	6.20	5.96	0.00
22.20	6.03	5.79	0.05	24.80	6.20	5.96	0.00
22.25	6.04	5.80	0.05	24.85	6.20	5.96	0.00
22.30	6.04	5.80	0.05	24.90	6.20	5.96	0.00
22.35	6.05	5.81	0.05	24.95	6.20	5.96	0.00
22.40	6.05	5.81	0.05	25.00	6.20	5.96	0.00
22.45	6.06	5.82	0.05	25.05	6.20	5.96	0.00
22.50	6.06	5.82	0.05	25.10	6.20	5.96	0.00
22.55	6.07	5.83	0.05	25.15	6.20	5.96	0.00
22.60	6.07	5.83	0.05	25.20	6.20	5.96	0.00
22.65	6.08	5.84	0.05	25.25	6.20	5.96	0.00
22.70	6.08	5.84	0.05	25.30	6.20	5.96	0.00
22.75	6.09	5.85	0.05	25.35	6.20	5.96	0.00
22.80	6.09	5.85	0.05	25.40	6.20	5.96	0.00
22.85	6.10	5.86	0.05	25.45	6.20	5.96	0.00
22.90	6.10	5.86	0.05	25.50	6.20	5.96	0.00
22.95	6.11	5.87	0.05	25.55	6.20	5.96	0.00
23.00	6.11	5.87	0.05	25.60	6.20	5.96	0.00
23.05	6.11	5.88	0.05	25.65	6.20	5.96	0.00
23.10	6.12	5.88	0.05	25.70	6.20	5.96	0.00
23.15	6.12	5.89	0.05	25.75	6.20	5.96	0.00

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	5.96	0.00	28.40	6.20	5.96	0.00
25.85	6.20	5.96	0.00	28.45	6.20	5.96	0.00
25.90	6.20	5.96	0.00	28.50	6.20	5.96	0.00
25.95	6.20	5.96	0.00	28.55	6.20	5.96	0.00
26.00	6.20	5.96	0.00	28.60	6.20	5.96	0.00
26.05	6.20	5.96	0.00	28.65	6.20	5.96	0.00
26.10	6.20	5.96	0.00	28.70	6.20	5.96	0.00
26.15	6.20	5.96	0.00	28.75	6.20	5.96	0.00
26.20	6.20	5.96	0.00	28.80	6.20	5.96	0.00
26.25	6.20	5.96	0.00	28.85	6.20	5.96	0.00
26.30	6.20	5.96	0.00	28.90	6.20	5.96	0.00
26.35	6.20	5.96	0.00	28.95	6.20	5.96	0.00
26.40	6.20	5.96	0.00	29.00	6.20	5.96	0.00
26.45	6.20	5.96	0.00	29.05	6.20	5.96	0.00
26.50	6.20	5.96	0.00	29.10	6.20	5.96	0.00
26.55	6.20	5.96	0.00	29.15	6.20	5.96	0.00
26.60	6.20	5.96	0.00	29.20	6.20	5.96	0.00
26.65	6.20	5.96	0.00	29.25	6.20	5.96	0.00
26.70	6.20	5.96	0.00	29.30	6.20	5.96	0.00
26.75	6.20	5.96	0.00	29.35	6.20	5.96	0.00
26.80	6.20	5.96	0.00	29.40	6.20	5.96	0.00
26.85	6.20	5.96	0.00	29.45	6.20	5.96	0.00
26.90	6.20	5.96	0.00	29.50	6.20	5.96	0.00
26.95	6.20	5.96	0.00	29.55	6.20	5.96	0.00
27.00	6.20	5.96	0.00	29.60	6.20	5.96	0.00
27.05	6.20	5.96	0.00	29.65	6.20	5.96	0.00
27.10	6.20	5.96	0.00	29.70	6.20	5.96	0.00
27.15	6.20	5.96	0.00	29.75	6.20	5.96	0.00
27.20	6.20	5.96	0.00	29.80	6.20	5.96	0.00
27.25	6.20	5.96	0.00	29.85	6.20	5.96	0.00
27.30	6.20	5.96	0.00	29.90	6.20	5.96	0.00
27.35	6.20	5.96	0.00	29.95	6.20	5.96	0.00
27.40	6.20	5.96	0.00	30.00	6.20	5.96	0.00
27.45	6.20	5.96	0.00				
27.50	6.20	5.96	0.00				
27.55	6.20	5.96	0.00				
27.60	6.20	5.96	0.00				
27.65	6.20	5.96	0.00				
27.70	6.20	5.96	0.00				
27.75	6.20	5.96	0.00				
27.80	6.20	5.96	0.00				
27.85	6.20	5.96	0.00				
27.90	6.20	5.96	0.00				
27.95	6.20	5.96	0.00				
28.00	6.20	5.96	0.00				
28.05	6.20	5.96	0.00				
28.10	6.20	5.96	0.00				
28.15	6.20	5.96	0.00				
28.20	6.20	5.96	0.00				
28.25	6.20	5.96	0.00				
28.30	6.20	5.96	0.00				
28.35	6.20	5.96	0.00				

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Summary for Subcatchment Basin 2 Impervious: Basin 2 Imp

Runoff = 2.89 cfs @ 12.19 hrs, Volume= 0.377 af, Depth> 5.66"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.500	98	Pavement & Sidewalk
* 0.300	98	Driveways
0.800	98	Weighted Average
0.800		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.33	0.09	7.60	0.88	0.67	0.13
5.05	0.52	0.34	0.09	7.65	0.88	0.68	0.13
5.10	0.53	0.34	0.09	7.70	0.89	0.69	0.13
5.15	0.53	0.35	0.09	7.75	0.90	0.70	0.13
5.20	0.54	0.35	0.09	7.80	0.91	0.70	0.13
5.25	0.55	0.36	0.09	7.85	0.92	0.71	0.13
5.30	0.55	0.37	0.09	7.90	0.93	0.72	0.13
5.35	0.56	0.37	0.09	7.95	0.94	0.73	0.13
5.40	0.56	0.38	0.09	8.00	0.95	0.74	0.13
5.45	0.57	0.38	0.09	8.05	0.95	0.75	0.14
5.50	0.58	0.39	0.09	8.10	0.96	0.76	0.14
5.55	0.58	0.39	0.09	8.15	0.97	0.76	0.14
5.60	0.59	0.40	0.09	8.20	0.98	0.77	0.14
5.65	0.59	0.40	0.09	8.25	0.99	0.78	0.14
5.70	0.60	0.41	0.09	8.30	1.00	0.79	0.14
5.75	0.61	0.42	0.09	8.35	1.01	0.80	0.14
5.80	0.61	0.42	0.09	8.40	1.02	0.81	0.14
5.85	0.62	0.43	0.09	8.45	1.03	0.82	0.14
5.90	0.63	0.43	0.09	8.50	1.04	0.83	0.15
5.95	0.63	0.44	0.09	8.55	1.05	0.84	0.15
6.00	0.64	0.45	0.09	8.60	1.06	0.85	0.15
6.05	0.65	0.45	0.09	8.65	1.07	0.86	0.15
6.10	0.65	0.46	0.09	8.70	1.08	0.87	0.15
6.15	0.66	0.46	0.09	8.75	1.09	0.88	0.15
6.20	0.66	0.47	0.10	8.80	1.10	0.89	0.15
6.25	0.67	0.48	0.10	8.85	1.11	0.90	0.15
6.30	0.68	0.48	0.10	8.90	1.12	0.91	0.15
6.35	0.68	0.49	0.10	8.95	1.13	0.92	0.16
6.40	0.69	0.50	0.10	9.00	1.14	0.93	0.16
6.45	0.70	0.50	0.10	9.05	1.15	0.94	0.16
6.50	0.71	0.51	0.10	9.10	1.16	0.95	0.16
6.55	0.71	0.52	0.10	9.15	1.17	0.96	0.16
6.60	0.72	0.52	0.10	9.20	1.18	0.97	0.16
6.65	0.73	0.53	0.10	9.25	1.19	0.98	0.17
6.70	0.73	0.54	0.11	9.30	1.20	0.99	0.17
6.75	0.74	0.54	0.11	9.35	1.22	1.00	0.17
6.80	0.75	0.55	0.11	9.40	1.23	1.01	0.18
6.85	0.76	0.56	0.11	9.45	1.24	1.03	0.18
6.90	0.76	0.56	0.11	9.50	1.25	1.04	0.18
6.95	0.77	0.57	0.11	9.55	1.27	1.05	0.19
7.00	0.78	0.58	0.11	9.60	1.28	1.06	0.19
7.05	0.79	0.59	0.11	9.65	1.29	1.08	0.19
7.10	0.79	0.59	0.11	9.70	1.31	1.09	0.20
7.15	0.80	0.60	0.12	9.75	1.32	1.10	0.20
7.20	0.81	0.61	0.12	9.80	1.33	1.12	0.20
7.25	0.82	0.62	0.12	9.85	1.35	1.13	0.21
7.30	0.83	0.62	0.12	9.90	1.36	1.14	0.21
7.35	0.83	0.63	0.12	9.95	1.38	1.16	0.21
7.40	0.84	0.64	0.12	10.00	1.39	1.17	0.22
7.45	0.85	0.65	0.12	10.05	1.41	1.19	0.22
7.50	0.86	0.65	0.12	10.10	1.42	1.20	0.22
7.55	0.87	0.66	0.12	10.15	1.44	1.22	0.23

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	1.23	0.23	12.80	4.33	4.09	0.73
10.25	1.47	1.25	0.23	12.85	4.36	4.12	0.67
10.30	1.48	1.26	0.24	12.90	4.39	4.15	0.63
10.35	1.50	1.28	0.24	12.95	4.41	4.18	0.59
10.40	1.52	1.30	0.24	13.00	4.44	4.20	0.55
10.45	1.53	1.31	0.25	13.05	4.46	4.23	0.52
10.50	1.55	1.33	0.25	13.10	4.49	4.25	0.49
10.55	1.57	1.35	0.26	13.15	4.51	4.27	0.46
10.60	1.59	1.36	0.26	13.20	4.53	4.30	0.44
10.65	1.60	1.38	0.27	13.25	4.55	4.32	0.42
10.70	1.62	1.40	0.28	13.30	4.58	4.34	0.40
10.75	1.65	1.42	0.29	13.35	4.60	4.36	0.39
10.80	1.67	1.45	0.30	13.40	4.61	4.38	0.37
10.85	1.69	1.47	0.31	13.45	4.63	4.40	0.36
10.90	1.71	1.49	0.32	13.50	4.65	4.41	0.35
10.95	1.74	1.51	0.33	13.55	4.67	4.43	0.33
11.00	1.76	1.54	0.34	13.60	4.68	4.45	0.32
11.05	1.79	1.56	0.35	13.65	4.70	4.46	0.31
11.10	1.81	1.59	0.36	13.70	4.72	4.48	0.30
11.15	1.84	1.62	0.38	13.75	4.73	4.50	0.29
11.20	1.87	1.65	0.40	13.80	4.75	4.51	0.28
11.25	1.90	1.68	0.41	13.85	4.76	4.53	0.28
11.30	1.94	1.71	0.43	13.90	4.78	4.54	0.27
11.35	1.97	1.74	0.45	13.95	4.79	4.56	0.26
11.40	2.00	1.78	0.47	14.00	4.81	4.57	0.26
11.45	2.04	1.81	0.48	14.05	4.82	4.59	0.25
11.50	2.08	1.85	0.50	14.10	4.84	4.60	0.25
11.55	2.12	1.90	0.53	14.15	4.85	4.62	0.25
11.60	2.17	1.95	0.56	14.20	4.87	4.63	0.24
11.65	2.22	2.00	0.61	14.25	4.88	4.64	0.24
11.70	2.27	2.04	0.65	14.30	4.89	4.66	0.24
11.75	2.34	2.11	0.69	14.35	4.91	4.67	0.23
11.80	2.41	2.18	0.76	14.40	4.92	4.68	0.23
11.85	2.51	2.28	0.85	14.45	4.93	4.70	0.22
11.90	2.61	2.38	0.97	14.50	4.95	4.71	0.22
11.95	2.79	2.56	1.14	14.55	4.96	4.72	0.22
12.00	2.97	2.74	1.41	14.60	4.97	4.73	0.21
12.05	3.28	3.05	1.77	14.65	4.98	4.75	0.21
12.10	3.59	3.35	2.28	14.70	5.00	4.76	0.21
12.15	3.69	3.45	2.79	14.75	5.01	4.77	0.20
12.20	3.79	3.55	2.88	14.80	5.02	4.78	0.20
12.25	3.86	3.62	2.65	14.85	5.03	4.79	0.20
12.30	3.93	3.69	2.35	14.90	5.04	4.80	0.19
12.35	3.98	3.74	2.08	14.95	5.05	4.81	0.19
12.40	4.03	3.79	1.83	15.00	5.06	4.83	0.19
12.45	4.08	3.84	1.60	15.05	5.07	4.84	0.18
12.50	4.12	3.89	1.42	15.10	5.08	4.85	0.18
12.55	4.16	3.92	1.27	15.15	5.09	4.86	0.18
12.60	4.20	3.96	1.13	15.20	5.10	4.87	0.17
12.65	4.23	3.99	1.00	15.25	5.11	4.88	0.17
12.70	4.26	4.03	0.90	15.30	5.12	4.89	0.17
12.75	4.30	4.06	0.81	15.35	5.13	4.90	0.17

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	4.91	0.16	18.00	5.56	5.32	0.11
15.45	5.15	4.91	0.16	18.05	5.57	5.33	0.11
15.50	5.16	4.92	0.16	18.10	5.57	5.34	0.11
15.55	5.17	4.93	0.16	18.15	5.58	5.34	0.10
15.60	5.18	4.94	0.16	18.20	5.59	5.35	0.10
15.65	5.19	4.95	0.16	18.25	5.59	5.36	0.10
15.70	5.20	4.96	0.16	18.30	5.60	5.36	0.10
15.75	5.21	4.97	0.16	18.35	5.61	5.37	0.10
15.80	5.22	4.98	0.15	18.40	5.61	5.37	0.10
15.85	5.23	4.99	0.15	18.45	5.62	5.38	0.10
15.90	5.24	5.00	0.15	18.50	5.62	5.39	0.10
15.95	5.25	5.01	0.15	18.55	5.63	5.39	0.10
16.00	5.25	5.02	0.15	18.60	5.64	5.40	0.10
16.05	5.26	5.03	0.15	18.65	5.64	5.40	0.10
16.10	5.27	5.04	0.15	18.70	5.65	5.41	0.10
16.15	5.28	5.04	0.15	18.75	5.65	5.42	0.10
16.20	5.29	5.05	0.15	18.80	5.66	5.42	0.10
16.25	5.30	5.06	0.14	18.85	5.67	5.43	0.10
16.30	5.31	5.07	0.14	18.90	5.67	5.43	0.10
16.35	5.32	5.08	0.14	18.95	5.68	5.44	0.10
16.40	5.32	5.09	0.14	19.00	5.68	5.45	0.10
16.45	5.33	5.10	0.14	19.05	5.69	5.45	0.10
16.50	5.34	5.10	0.14	19.10	5.70	5.46	0.10
16.55	5.35	5.11	0.14	19.15	5.70	5.46	0.10
16.60	5.36	5.12	0.14	19.20	5.71	5.47	0.10
16.65	5.37	5.13	0.14	19.25	5.71	5.48	0.10
16.70	5.37	5.14	0.14	19.30	5.72	5.48	0.10
16.75	5.38	5.14	0.13	19.35	5.73	5.49	0.10
16.80	5.39	5.15	0.13	19.40	5.73	5.49	0.10
16.85	5.40	5.16	0.13	19.45	5.74	5.50	0.10
16.90	5.41	5.17	0.13	19.50	5.74	5.51	0.09
16.95	5.41	5.18	0.13	19.55	5.75	5.51	0.09
17.00	5.42	5.18	0.13	19.60	5.75	5.52	0.09
17.05	5.43	5.19	0.13	19.65	5.76	5.52	0.09
17.10	5.44	5.20	0.13	19.70	5.77	5.53	0.09
17.15	5.44	5.21	0.13	19.75	5.77	5.53	0.09
17.20	5.45	5.21	0.12	19.80	5.78	5.54	0.09
17.25	5.46	5.22	0.12	19.85	5.78	5.55	0.09
17.30	5.47	5.23	0.12	19.90	5.79	5.55	0.09
17.35	5.47	5.24	0.12	19.95	5.79	5.56	0.09
17.40	5.48	5.24	0.12	20.00	5.80	5.56	0.09
17.45	5.49	5.25	0.12	20.05	5.81	5.57	0.09
17.50	5.49	5.26	0.12	20.10	5.81	5.57	0.09
17.55	5.50	5.26	0.12	20.15	5.82	5.58	0.09
17.60	5.51	5.27	0.12	20.20	5.82	5.58	0.09
17.65	5.52	5.28	0.12	20.25	5.83	5.59	0.09
17.70	5.52	5.28	0.11	20.30	5.83	5.60	0.09
17.75	5.53	5.29	0.11	20.35	5.84	5.60	0.09
17.80	5.54	5.30	0.11	20.40	5.85	5.61	0.09
17.85	5.54	5.30	0.11	20.45	5.85	5.61	0.09
17.90	5.55	5.31	0.11	20.50	5.86	5.62	0.09
17.95	5.55	5.32	0.11	20.55	5.86	5.62	0.09

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	5.63	0.09	23.20	6.13	5.89	0.08
20.65	5.87	5.63	0.09	23.25	6.13	5.89	0.08
20.70	5.88	5.64	0.09	23.30	6.14	5.90	0.07
20.75	5.88	5.65	0.09	23.35	6.14	5.90	0.07
20.80	5.89	5.65	0.09	23.40	6.15	5.91	0.07
20.85	5.89	5.66	0.09	23.45	6.15	5.91	0.07
20.90	5.90	5.66	0.09	23.50	6.16	5.92	0.07
20.95	5.90	5.67	0.09	23.55	6.16	5.92	0.07
21.00	5.91	5.67	0.09	23.60	6.16	5.93	0.07
21.05	5.92	5.68	0.09	23.65	6.17	5.93	0.07
21.10	5.92	5.68	0.09	23.70	6.17	5.94	0.07
21.15	5.93	5.69	0.09	23.75	6.18	5.94	0.07
21.20	5.93	5.69	0.09	23.80	6.18	5.94	0.07
21.25	5.94	5.70	0.09	23.85	6.19	5.95	0.07
21.30	5.94	5.70	0.09	23.90	6.19	5.95	0.07
21.35	5.95	5.71	0.09	23.95	6.20	5.96	0.07
21.40	5.95	5.71	0.08	24.00	6.20	5.96	0.07
21.45	5.96	5.72	0.08	24.05	6.20	5.96	0.07
21.50	5.96	5.72	0.08	24.10	6.20	5.96	0.06
21.55	5.97	5.73	0.08	24.15	6.20	5.96	0.05
21.60	5.97	5.73	0.08	24.20	6.20	5.96	0.04
21.65	5.98	5.74	0.08	24.25	6.20	5.96	0.03
21.70	5.98	5.74	0.08	24.30	6.20	5.96	0.02
21.75	5.99	5.75	0.08	24.35	6.20	5.96	0.02
21.80	5.99	5.75	0.08	24.40	6.20	5.96	0.01
21.85	6.00	5.76	0.08	24.45	6.20	5.96	0.01
21.90	6.00	5.77	0.08	24.50	6.20	5.96	0.01
21.95	6.01	5.77	0.08	24.55	6.20	5.96	0.01
22.00	6.01	5.78	0.08	24.60	6.20	5.96	0.00
22.05	6.02	5.78	0.08	24.65	6.20	5.96	0.00
22.10	6.02	5.78	0.08	24.70	6.20	5.96	0.00
22.15	6.03	5.79	0.08	24.75	6.20	5.96	0.00
22.20	6.03	5.79	0.08	24.80	6.20	5.96	0.00
22.25	6.04	5.80	0.08	24.85	6.20	5.96	0.00
22.30	6.04	5.80	0.08	24.90	6.20	5.96	0.00
22.35	6.05	5.81	0.08	24.95	6.20	5.96	0.00
22.40	6.05	5.81	0.08	25.00	6.20	5.96	0.00
22.45	6.06	5.82	0.08	25.05	6.20	5.96	0.00
22.50	6.06	5.82	0.08	25.10	6.20	5.96	0.00
22.55	6.07	5.83	0.08	25.15	6.20	5.96	0.00
22.60	6.07	5.83	0.08	25.20	6.20	5.96	0.00
22.65	6.08	5.84	0.08	25.25	6.20	5.96	0.00
22.70	6.08	5.84	0.08	25.30	6.20	5.96	0.00
22.75	6.09	5.85	0.08	25.35	6.20	5.96	0.00
22.80	6.09	5.85	0.08	25.40	6.20	5.96	0.00
22.85	6.10	5.86	0.08	25.45	6.20	5.96	0.00
22.90	6.10	5.86	0.08	25.50	6.20	5.96	0.00
22.95	6.11	5.87	0.08	25.55	6.20	5.96	0.00
23.00	6.11	5.87	0.08	25.60	6.20	5.96	0.00
23.05	6.11	5.88	0.08	25.65	6.20	5.96	0.00
23.10	6.12	5.88	0.08	25.70	6.20	5.96	0.00
23.15	6.12	5.89	0.08	25.75	6.20	5.96	0.00

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	5.96	0.00	28.40	6.20	5.96	0.00
25.85	6.20	5.96	0.00	28.45	6.20	5.96	0.00
25.90	6.20	5.96	0.00	28.50	6.20	5.96	0.00
25.95	6.20	5.96	0.00	28.55	6.20	5.96	0.00
26.00	6.20	5.96	0.00	28.60	6.20	5.96	0.00
26.05	6.20	5.96	0.00	28.65	6.20	5.96	0.00
26.10	6.20	5.96	0.00	28.70	6.20	5.96	0.00
26.15	6.20	5.96	0.00	28.75	6.20	5.96	0.00
26.20	6.20	5.96	0.00	28.80	6.20	5.96	0.00
26.25	6.20	5.96	0.00	28.85	6.20	5.96	0.00
26.30	6.20	5.96	0.00	28.90	6.20	5.96	0.00
26.35	6.20	5.96	0.00	28.95	6.20	5.96	0.00
26.40	6.20	5.96	0.00	29.00	6.20	5.96	0.00
26.45	6.20	5.96	0.00	29.05	6.20	5.96	0.00
26.50	6.20	5.96	0.00	29.10	6.20	5.96	0.00
26.55	6.20	5.96	0.00	29.15	6.20	5.96	0.00
26.60	6.20	5.96	0.00	29.20	6.20	5.96	0.00
26.65	6.20	5.96	0.00	29.25	6.20	5.96	0.00
26.70	6.20	5.96	0.00	29.30	6.20	5.96	0.00
26.75	6.20	5.96	0.00	29.35	6.20	5.96	0.00
26.80	6.20	5.96	0.00	29.40	6.20	5.96	0.00
26.85	6.20	5.96	0.00	29.45	6.20	5.96	0.00
26.90	6.20	5.96	0.00	29.50	6.20	5.96	0.00
26.95	6.20	5.96	0.00	29.55	6.20	5.96	0.00
27.00	6.20	5.96	0.00	29.60	6.20	5.96	0.00
27.05	6.20	5.96	0.00	29.65	6.20	5.96	0.00
27.10	6.20	5.96	0.00	29.70	6.20	5.96	0.00
27.15	6.20	5.96	0.00	29.75	6.20	5.96	0.00
27.20	6.20	5.96	0.00	29.80	6.20	5.96	0.00
27.25	6.20	5.96	0.00	29.85	6.20	5.96	0.00
27.30	6.20	5.96	0.00	29.90	6.20	5.96	0.00
27.35	6.20	5.96	0.00	29.95	6.20	5.96	0.00
27.40	6.20	5.96	0.00	30.00	6.20	5.96	0.00
27.45	6.20	5.96	0.00				
27.50	6.20	5.96	0.00				
27.55	6.20	5.96	0.00				
27.60	6.20	5.96	0.00				
27.65	6.20	5.96	0.00				
27.70	6.20	5.96	0.00				
27.75	6.20	5.96	0.00				
27.80	6.20	5.96	0.00				
27.85	6.20	5.96	0.00				
27.90	6.20	5.96	0.00				
27.95	6.20	5.96	0.00				
28.00	6.20	5.96	0.00				
28.05	6.20	5.96	0.00				
28.10	6.20	5.96	0.00				
28.15	6.20	5.96	0.00				
28.20	6.20	5.96	0.00				
28.25	6.20	5.96	0.00				
28.30	6.20	5.96	0.00				
28.35	6.20	5.96	0.00				

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Summary for Subcatchment Basin 2 Pervious: Basin 2 - Pervious

Runoff = 0.16 cfs @ 13.15 hrs, Volume= 0.086 af, Depth= 0.50"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 2.050	39	lawn, A soils
2.050		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.00	0.00	7.60	0.88	0.00	0.00
5.05	0.52	0.00	0.00	7.65	0.88	0.00	0.00
5.10	0.53	0.00	0.00	7.70	0.89	0.00	0.00
5.15	0.53	0.00	0.00	7.75	0.90	0.00	0.00
5.20	0.54	0.00	0.00	7.80	0.91	0.00	0.00
5.25	0.55	0.00	0.00	7.85	0.92	0.00	0.00
5.30	0.55	0.00	0.00	7.90	0.93	0.00	0.00
5.35	0.56	0.00	0.00	7.95	0.94	0.00	0.00
5.40	0.56	0.00	0.00	8.00	0.95	0.00	0.00
5.45	0.57	0.00	0.00	8.05	0.95	0.00	0.00
5.50	0.58	0.00	0.00	8.10	0.96	0.00	0.00
5.55	0.58	0.00	0.00	8.15	0.97	0.00	0.00
5.60	0.59	0.00	0.00	8.20	0.98	0.00	0.00
5.65	0.59	0.00	0.00	8.25	0.99	0.00	0.00
5.70	0.60	0.00	0.00	8.30	1.00	0.00	0.00
5.75	0.61	0.00	0.00	8.35	1.01	0.00	0.00
5.80	0.61	0.00	0.00	8.40	1.02	0.00	0.00
5.85	0.62	0.00	0.00	8.45	1.03	0.00	0.00
5.90	0.63	0.00	0.00	8.50	1.04	0.00	0.00
5.95	0.63	0.00	0.00	8.55	1.05	0.00	0.00
6.00	0.64	0.00	0.00	8.60	1.06	0.00	0.00
6.05	0.65	0.00	0.00	8.65	1.07	0.00	0.00
6.10	0.65	0.00	0.00	8.70	1.08	0.00	0.00
6.15	0.66	0.00	0.00	8.75	1.09	0.00	0.00
6.20	0.66	0.00	0.00	8.80	1.10	0.00	0.00
6.25	0.67	0.00	0.00	8.85	1.11	0.00	0.00
6.30	0.68	0.00	0.00	8.90	1.12	0.00	0.00
6.35	0.68	0.00	0.00	8.95	1.13	0.00	0.00
6.40	0.69	0.00	0.00	9.00	1.14	0.00	0.00
6.45	0.70	0.00	0.00	9.05	1.15	0.00	0.00
6.50	0.71	0.00	0.00	9.10	1.16	0.00	0.00
6.55	0.71	0.00	0.00	9.15	1.17	0.00	0.00
6.60	0.72	0.00	0.00	9.20	1.18	0.00	0.00
6.65	0.73	0.00	0.00	9.25	1.19	0.00	0.00
6.70	0.73	0.00	0.00	9.30	1.20	0.00	0.00
6.75	0.74	0.00	0.00	9.35	1.22	0.00	0.00
6.80	0.75	0.00	0.00	9.40	1.23	0.00	0.00
6.85	0.76	0.00	0.00	9.45	1.24	0.00	0.00
6.90	0.76	0.00	0.00	9.50	1.25	0.00	0.00
6.95	0.77	0.00	0.00	9.55	1.27	0.00	0.00
7.00	0.78	0.00	0.00	9.60	1.28	0.00	0.00
7.05	0.79	0.00	0.00	9.65	1.29	0.00	0.00
7.10	0.79	0.00	0.00	9.70	1.31	0.00	0.00
7.15	0.80	0.00	0.00	9.75	1.32	0.00	0.00
7.20	0.81	0.00	0.00	9.80	1.33	0.00	0.00
7.25	0.82	0.00	0.00	9.85	1.35	0.00	0.00
7.30	0.83	0.00	0.00	9.90	1.36	0.00	0.00
7.35	0.83	0.00	0.00	9.95	1.38	0.00	0.00
7.40	0.84	0.00	0.00	10.00	1.39	0.00	0.00
7.45	0.85	0.00	0.00	10.05	1.41	0.00	0.00
7.50	0.86	0.00	0.00	10.10	1.42	0.00	0.00
7.55	0.87	0.00	0.00	10.15	1.44	0.00	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	0.00	0.00	12.80	4.33	0.09	0.15
10.25	1.47	0.00	0.00	12.85	4.36	0.09	0.16
10.30	1.48	0.00	0.00	12.90	4.39	0.09	0.16
10.35	1.50	0.00	0.00	12.95	4.41	0.10	0.16
10.40	1.52	0.00	0.00	13.00	4.44	0.10	0.16
10.45	1.53	0.00	0.00	13.05	4.46	0.10	0.16
10.50	1.55	0.00	0.00	13.10	4.49	0.11	0.16
10.55	1.57	0.00	0.00	13.15	4.51	0.11	0.16
10.60	1.59	0.00	0.00	13.20	4.53	0.12	0.16
10.65	1.60	0.00	0.00	13.25	4.55	0.12	0.16
10.70	1.62	0.00	0.00	13.30	4.58	0.12	0.16
10.75	1.65	0.00	0.00	13.35	4.60	0.13	0.16
10.80	1.67	0.00	0.00	13.40	4.61	0.13	0.16
10.85	1.69	0.00	0.00	13.45	4.63	0.13	0.16
10.90	1.71	0.00	0.00	13.50	4.65	0.14	0.16
10.95	1.74	0.00	0.00	13.55	4.67	0.14	0.16
11.00	1.76	0.00	0.00	13.60	4.68	0.14	0.15
11.05	1.79	0.00	0.00	13.65	4.70	0.14	0.15
11.10	1.81	0.00	0.00	13.70	4.72	0.15	0.15
11.15	1.84	0.00	0.00	13.75	4.73	0.15	0.15
11.20	1.87	0.00	0.00	13.80	4.75	0.15	0.14
11.25	1.90	0.00	0.00	13.85	4.76	0.15	0.14
11.30	1.94	0.00	0.00	13.90	4.78	0.16	0.14
11.35	1.97	0.00	0.00	13.95	4.79	0.16	0.14
11.40	2.00	0.00	0.00	14.00	4.81	0.16	0.14
11.45	2.04	0.00	0.00	14.05	4.82	0.17	0.13
11.50	2.08	0.00	0.00	14.10	4.84	0.17	0.13
11.55	2.12	0.00	0.00	14.15	4.85	0.17	0.13
11.60	2.17	0.00	0.00	14.20	4.87	0.17	0.13
11.65	2.22	0.00	0.00	14.25	4.88	0.18	0.13
11.70	2.27	0.00	0.00	14.30	4.89	0.18	0.13
11.75	2.34	0.00	0.00	14.35	4.91	0.18	0.12
11.80	2.41	0.00	0.00	14.40	4.92	0.18	0.12
11.85	2.51	0.00	0.00	14.45	4.93	0.19	0.12
11.90	2.61	0.00	0.00	14.50	4.95	0.19	0.12
11.95	2.79	0.00	0.00	14.55	4.96	0.19	0.12
12.00	2.97	0.00	0.00	14.60	4.97	0.19	0.12
12.05	3.28	0.00	0.00	14.65	4.98	0.20	0.12
12.10	3.59	0.01	0.00	14.70	5.00	0.20	0.12
12.15	3.69	0.02	0.00	14.75	5.01	0.20	0.11
12.20	3.79	0.03	0.01	14.80	5.02	0.20	0.11
12.25	3.86	0.03	0.02	14.85	5.03	0.21	0.11
12.30	3.93	0.04	0.04	14.90	5.04	0.21	0.11
12.35	3.98	0.04	0.06	14.95	5.05	0.21	0.11
12.40	4.03	0.05	0.08	15.00	5.06	0.21	0.11
12.45	4.08	0.05	0.10	15.05	5.07	0.21	0.11
12.50	4.12	0.06	0.11	15.10	5.08	0.22	0.11
12.55	4.16	0.06	0.12	15.15	5.09	0.22	0.10
12.60	4.20	0.07	0.13	15.20	5.10	0.22	0.10
12.65	4.23	0.07	0.14	15.25	5.11	0.22	0.10
12.70	4.26	0.08	0.15	15.30	5.12	0.23	0.10
12.75	4.30	0.08	0.15	15.35	5.13	0.23	0.10

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	0.23	0.10	18.00	5.56	0.33	0.07
15.45	5.15	0.23	0.10	18.05	5.57	0.33	0.07
15.50	5.16	0.23	0.10	18.10	5.57	0.33	0.07
15.55	5.17	0.24	0.10	18.15	5.58	0.33	0.07
15.60	5.18	0.24	0.09	18.20	5.59	0.33	0.07
15.65	5.19	0.24	0.09	18.25	5.59	0.34	0.07
15.70	5.20	0.24	0.09	18.30	5.60	0.34	0.07
15.75	5.21	0.24	0.09	18.35	5.61	0.34	0.07
15.80	5.22	0.25	0.09	18.40	5.61	0.34	0.07
15.85	5.23	0.25	0.09	18.45	5.62	0.34	0.07
15.90	5.24	0.25	0.09	18.50	5.62	0.34	0.07
15.95	5.25	0.25	0.09	18.55	5.63	0.34	0.07
16.00	5.25	0.25	0.09	18.60	5.64	0.35	0.07
16.05	5.26	0.26	0.09	18.65	5.64	0.35	0.07
16.10	5.27	0.26	0.09	18.70	5.65	0.35	0.07
16.15	5.28	0.26	0.09	18.75	5.65	0.35	0.07
16.20	5.29	0.26	0.09	18.80	5.66	0.35	0.07
16.25	5.30	0.26	0.09	18.85	5.67	0.35	0.07
16.30	5.31	0.27	0.09	18.90	5.67	0.36	0.07
16.35	5.32	0.27	0.09	18.95	5.68	0.36	0.07
16.40	5.32	0.27	0.09	19.00	5.68	0.36	0.07
16.45	5.33	0.27	0.09	19.05	5.69	0.36	0.07
16.50	5.34	0.27	0.09	19.10	5.70	0.36	0.07
16.55	5.35	0.28	0.08	19.15	5.70	0.36	0.07
16.60	5.36	0.28	0.08	19.20	5.71	0.37	0.07
16.65	5.37	0.28	0.08	19.25	5.71	0.37	0.07
16.70	5.37	0.28	0.08	19.30	5.72	0.37	0.07
16.75	5.38	0.28	0.08	19.35	5.73	0.37	0.07
16.80	5.39	0.29	0.08	19.40	5.73	0.37	0.07
16.85	5.40	0.29	0.08	19.45	5.74	0.37	0.07
16.90	5.41	0.29	0.08	19.50	5.74	0.37	0.06
16.95	5.41	0.29	0.08	19.55	5.75	0.38	0.06
17.00	5.42	0.29	0.08	19.60	5.75	0.38	0.06
17.05	5.43	0.30	0.08	19.65	5.76	0.38	0.06
17.10	5.44	0.30	0.08	19.70	5.77	0.38	0.06
17.15	5.44	0.30	0.08	19.75	5.77	0.38	0.06
17.20	5.45	0.30	0.08	19.80	5.78	0.38	0.06
17.25	5.46	0.30	0.08	19.85	5.78	0.39	0.06
17.30	5.47	0.30	0.08	19.90	5.79	0.39	0.06
17.35	5.47	0.31	0.08	19.95	5.79	0.39	0.06
17.40	5.48	0.31	0.08	20.00	5.80	0.39	0.06
17.45	5.49	0.31	0.08	20.05	5.81	0.39	0.06
17.50	5.49	0.31	0.08	20.10	5.81	0.39	0.06
17.55	5.50	0.31	0.08	20.15	5.82	0.39	0.06
17.60	5.51	0.31	0.08	20.20	5.82	0.40	0.06
17.65	5.52	0.32	0.08	20.25	5.83	0.40	0.06
17.70	5.52	0.32	0.08	20.30	5.83	0.40	0.06
17.75	5.53	0.32	0.08	20.35	5.84	0.40	0.06
17.80	5.54	0.32	0.07	20.40	5.85	0.40	0.06
17.85	5.54	0.32	0.07	20.45	5.85	0.40	0.06
17.90	5.55	0.32	0.07	20.50	5.86	0.41	0.06
17.95	5.55	0.33	0.07	20.55	5.86	0.41	0.06

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	0.41	0.06	23.20	6.13	0.48	0.06
20.65	5.87	0.41	0.06	23.25	6.13	0.48	0.06
20.70	5.88	0.41	0.06	23.30	6.14	0.49	0.06
20.75	5.88	0.41	0.06	23.35	6.14	0.49	0.06
20.80	5.89	0.41	0.06	23.40	6.15	0.49	0.06
20.85	5.89	0.42	0.06	23.45	6.15	0.49	0.06
20.90	5.90	0.42	0.06	23.50	6.16	0.49	0.06
20.95	5.90	0.42	0.06	23.55	6.16	0.49	0.06
21.00	5.91	0.42	0.06	23.60	6.16	0.49	0.06
21.05	5.92	0.42	0.06	23.65	6.17	0.49	0.06
21.10	5.92	0.42	0.06	23.70	6.17	0.50	0.06
21.15	5.93	0.42	0.06	23.75	6.18	0.50	0.06
21.20	5.93	0.43	0.06	23.80	6.18	0.50	0.06
21.25	5.94	0.43	0.06	23.85	6.19	0.50	0.06
21.30	5.94	0.43	0.06	23.90	6.19	0.50	0.06
21.35	5.95	0.43	0.06	23.95	6.20	0.50	0.06
21.40	5.95	0.43	0.06	24.00	6.20	0.50	0.06
21.45	5.96	0.43	0.06	24.05	6.20	0.50	0.06
21.50	5.96	0.43	0.06	24.10	6.20	0.50	0.06
21.55	5.97	0.44	0.06	24.15	6.20	0.50	0.05
21.60	5.97	0.44	0.06	24.20	6.20	0.50	0.05
21.65	5.98	0.44	0.06	24.25	6.20	0.50	0.05
21.70	5.98	0.44	0.06	24.30	6.20	0.50	0.05
21.75	5.99	0.44	0.06	24.35	6.20	0.50	0.04
21.80	5.99	0.44	0.06	24.40	6.20	0.50	0.04
21.85	6.00	0.44	0.06	24.45	6.20	0.50	0.03
21.90	6.00	0.45	0.06	24.50	6.20	0.50	0.03
21.95	6.01	0.45	0.06	24.55	6.20	0.50	0.03
22.00	6.01	0.45	0.06	24.60	6.20	0.50	0.03
22.05	6.02	0.45	0.06	24.65	6.20	0.50	0.02
22.10	6.02	0.45	0.06	24.70	6.20	0.50	0.02
22.15	6.03	0.45	0.06	24.75	6.20	0.50	0.02
22.20	6.03	0.45	0.06	24.80	6.20	0.50	0.02
22.25	6.04	0.46	0.06	24.85	6.20	0.50	0.02
22.30	6.04	0.46	0.06	24.90	6.20	0.50	0.01
22.35	6.05	0.46	0.06	24.95	6.20	0.50	0.01
22.40	6.05	0.46	0.06	25.00	6.20	0.50	0.01
22.45	6.06	0.46	0.06	25.05	6.20	0.50	0.01
22.50	6.06	0.46	0.06	25.10	6.20	0.50	0.01
22.55	6.07	0.46	0.06	25.15	6.20	0.50	0.01
22.60	6.07	0.47	0.06	25.20	6.20	0.50	0.01
22.65	6.08	0.47	0.06	25.25	6.20	0.50	0.01
22.70	6.08	0.47	0.06	25.30	6.20	0.50	0.01
22.75	6.09	0.47	0.06	25.35	6.20	0.50	0.01
22.80	6.09	0.47	0.06	25.40	6.20	0.50	0.01
22.85	6.10	0.47	0.06	25.45	6.20	0.50	0.00
22.90	6.10	0.47	0.06	25.50	6.20	0.50	0.00
22.95	6.11	0.48	0.06	25.55	6.20	0.50	0.00
23.00	6.11	0.48	0.06	25.60	6.20	0.50	0.00
23.05	6.11	0.48	0.06	25.65	6.20	0.50	0.00
23.10	6.12	0.48	0.06	25.70	6.20	0.50	0.00
23.15	6.12	0.48	0.06	25.75	6.20	0.50	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	0.50	0.00	28.40	6.20	0.50	0.00
25.85	6.20	0.50	0.00	28.45	6.20	0.50	0.00
25.90	6.20	0.50	0.00	28.50	6.20	0.50	0.00
25.95	6.20	0.50	0.00	28.55	6.20	0.50	0.00
26.00	6.20	0.50	0.00	28.60	6.20	0.50	0.00
26.05	6.20	0.50	0.00	28.65	6.20	0.50	0.00
26.10	6.20	0.50	0.00	28.70	6.20	0.50	0.00
26.15	6.20	0.50	0.00	28.75	6.20	0.50	0.00
26.20	6.20	0.50	0.00	28.80	6.20	0.50	0.00
26.25	6.20	0.50	0.00	28.85	6.20	0.50	0.00
26.30	6.20	0.50	0.00	28.90	6.20	0.50	0.00
26.35	6.20	0.50	0.00	28.95	6.20	0.50	0.00
26.40	6.20	0.50	0.00	29.00	6.20	0.50	0.00
26.45	6.20	0.50	0.00	29.05	6.20	0.50	0.00
26.50	6.20	0.50	0.00	29.10	6.20	0.50	0.00
26.55	6.20	0.50	0.00	29.15	6.20	0.50	0.00
26.60	6.20	0.50	0.00	29.20	6.20	0.50	0.00
26.65	6.20	0.50	0.00	29.25	6.20	0.50	0.00
26.70	6.20	0.50	0.00	29.30	6.20	0.50	0.00
26.75	6.20	0.50	0.00	29.35	6.20	0.50	0.00
26.80	6.20	0.50	0.00	29.40	6.20	0.50	0.00
26.85	6.20	0.50	0.00	29.45	6.20	0.50	0.00
26.90	6.20	0.50	0.00	29.50	6.20	0.50	0.00
26.95	6.20	0.50	0.00	29.55	6.20	0.50	0.00
27.00	6.20	0.50	0.00	29.60	6.20	0.50	0.00
27.05	6.20	0.50	0.00	29.65	6.20	0.50	0.00
27.10	6.20	0.50	0.00	29.70	6.20	0.50	0.00
27.15	6.20	0.50	0.00	29.75	6.20	0.50	0.00
27.20	6.20	0.50	0.00	29.80	6.20	0.50	0.00
27.25	6.20	0.50	0.00	29.85	6.20	0.50	0.00
27.30	6.20	0.50	0.00	29.90	6.20	0.50	0.00
27.35	6.20	0.50	0.00	29.95	6.20	0.50	0.00
27.40	6.20	0.50	0.00	30.00	6.20	0.50	0.00
27.45	6.20	0.50	0.00				
27.50	6.20	0.50	0.00				
27.55	6.20	0.50	0.00				
27.60	6.20	0.50	0.00				
27.65	6.20	0.50	0.00				
27.70	6.20	0.50	0.00				
27.75	6.20	0.50	0.00				
27.80	6.20	0.50	0.00				
27.85	6.20	0.50	0.00				
27.90	6.20	0.50	0.00				
27.95	6.20	0.50	0.00				
28.00	6.20	0.50	0.00				
28.05	6.20	0.50	0.00				
28.10	6.20	0.50	0.00				
28.15	6.20	0.50	0.00				
28.20	6.20	0.50	0.00				
28.25	6.20	0.50	0.00				
28.30	6.20	0.50	0.00				
28.35	6.20	0.50	0.00				

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Summary for Subcatchment Basin 2 Roof: Basin 2 Roof

Runoff = 1.27 cfs @ 12.19 hrs, Volume= 0.165 af, Depth> 5.66"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.350	98	Roof
0.350		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.33	0.04	7.60	0.88	0.67	0.05
5.05	0.52	0.34	0.04	7.65	0.88	0.68	0.06
5.10	0.53	0.34	0.04	7.70	0.89	0.69	0.06
5.15	0.53	0.35	0.04	7.75	0.90	0.70	0.06
5.20	0.54	0.35	0.04	7.80	0.91	0.70	0.06
5.25	0.55	0.36	0.04	7.85	0.92	0.71	0.06
5.30	0.55	0.37	0.04	7.90	0.93	0.72	0.06
5.35	0.56	0.37	0.04	7.95	0.94	0.73	0.06
5.40	0.56	0.38	0.04	8.00	0.95	0.74	0.06
5.45	0.57	0.38	0.04	8.05	0.95	0.75	0.06
5.50	0.58	0.39	0.04	8.10	0.96	0.76	0.06
5.55	0.58	0.39	0.04	8.15	0.97	0.76	0.06
5.60	0.59	0.40	0.04	8.20	0.98	0.77	0.06
5.65	0.59	0.40	0.04	8.25	0.99	0.78	0.06
5.70	0.60	0.41	0.04	8.30	1.00	0.79	0.06
5.75	0.61	0.42	0.04	8.35	1.01	0.80	0.06
5.80	0.61	0.42	0.04	8.40	1.02	0.81	0.06
5.85	0.62	0.43	0.04	8.45	1.03	0.82	0.06
5.90	0.63	0.43	0.04	8.50	1.04	0.83	0.06
5.95	0.63	0.44	0.04	8.55	1.05	0.84	0.06
6.00	0.64	0.45	0.04	8.60	1.06	0.85	0.06
6.05	0.65	0.45	0.04	8.65	1.07	0.86	0.07
6.10	0.65	0.46	0.04	8.70	1.08	0.87	0.07
6.15	0.66	0.46	0.04	8.75	1.09	0.88	0.07
6.20	0.66	0.47	0.04	8.80	1.10	0.89	0.07
6.25	0.67	0.48	0.04	8.85	1.11	0.90	0.07
6.30	0.68	0.48	0.04	8.90	1.12	0.91	0.07
6.35	0.68	0.49	0.04	8.95	1.13	0.92	0.07
6.40	0.69	0.50	0.04	9.00	1.14	0.93	0.07
6.45	0.70	0.50	0.04	9.05	1.15	0.94	0.07
6.50	0.71	0.51	0.04	9.10	1.16	0.95	0.07
6.55	0.71	0.52	0.04	9.15	1.17	0.96	0.07
6.60	0.72	0.52	0.05	9.20	1.18	0.97	0.07
6.65	0.73	0.53	0.05	9.25	1.19	0.98	0.07
6.70	0.73	0.54	0.05	9.30	1.20	0.99	0.07
6.75	0.74	0.54	0.05	9.35	1.22	1.00	0.08
6.80	0.75	0.55	0.05	9.40	1.23	1.01	0.08
6.85	0.76	0.56	0.05	9.45	1.24	1.03	0.08
6.90	0.76	0.56	0.05	9.50	1.25	1.04	0.08
6.95	0.77	0.57	0.05	9.55	1.27	1.05	0.08
7.00	0.78	0.58	0.05	9.60	1.28	1.06	0.08
7.05	0.79	0.59	0.05	9.65	1.29	1.08	0.08
7.10	0.79	0.59	0.05	9.70	1.31	1.09	0.09
7.15	0.80	0.60	0.05	9.75	1.32	1.10	0.09
7.20	0.81	0.61	0.05	9.80	1.33	1.12	0.09
7.25	0.82	0.62	0.05	9.85	1.35	1.13	0.09
7.30	0.83	0.62	0.05	9.90	1.36	1.14	0.09
7.35	0.83	0.63	0.05	9.95	1.38	1.16	0.09
7.40	0.84	0.64	0.05	10.00	1.39	1.17	0.09
7.45	0.85	0.65	0.05	10.05	1.41	1.19	0.10
7.50	0.86	0.65	0.05	10.10	1.42	1.20	0.10
7.55	0.87	0.66	0.05	10.15	1.44	1.22	0.10

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	1.23	0.10	12.80	4.33	4.09	0.32
10.25	1.47	1.25	0.10	12.85	4.36	4.12	0.30
10.30	1.48	1.26	0.10	12.90	4.39	4.15	0.27
10.35	1.50	1.28	0.11	12.95	4.41	4.18	0.26
10.40	1.52	1.30	0.11	13.00	4.44	4.20	0.24
10.45	1.53	1.31	0.11	13.05	4.46	4.23	0.23
10.50	1.55	1.33	0.11	13.10	4.49	4.25	0.22
10.55	1.57	1.35	0.11	13.15	4.51	4.27	0.20
10.60	1.59	1.36	0.11	13.20	4.53	4.30	0.19
10.65	1.60	1.38	0.12	13.25	4.55	4.32	0.18
10.70	1.62	1.40	0.12	13.30	4.58	4.34	0.18
10.75	1.65	1.42	0.12	13.35	4.60	4.36	0.17
10.80	1.67	1.45	0.13	13.40	4.61	4.38	0.16
10.85	1.69	1.47	0.13	13.45	4.63	4.40	0.16
10.90	1.71	1.49	0.14	13.50	4.65	4.41	0.15
10.95	1.74	1.51	0.14	13.55	4.67	4.43	0.15
11.00	1.76	1.54	0.15	13.60	4.68	4.45	0.14
11.05	1.79	1.56	0.15	13.65	4.70	4.46	0.14
11.10	1.81	1.59	0.16	13.70	4.72	4.48	0.13
11.15	1.84	1.62	0.17	13.75	4.73	4.50	0.13
11.20	1.87	1.65	0.17	13.80	4.75	4.51	0.12
11.25	1.90	1.68	0.18	13.85	4.76	4.53	0.12
11.30	1.94	1.71	0.19	13.90	4.78	4.54	0.12
11.35	1.97	1.74	0.20	13.95	4.79	4.56	0.12
11.40	2.00	1.78	0.20	14.00	4.81	4.57	0.11
11.45	2.04	1.81	0.21	14.05	4.82	4.59	0.11
11.50	2.08	1.85	0.22	14.10	4.84	4.60	0.11
11.55	2.12	1.90	0.23	14.15	4.85	4.62	0.11
11.60	2.17	1.95	0.25	14.20	4.87	4.63	0.11
11.65	2.22	2.00	0.27	14.25	4.88	4.64	0.10
11.70	2.27	2.04	0.28	14.30	4.89	4.66	0.10
11.75	2.34	2.11	0.30	14.35	4.91	4.67	0.10
11.80	2.41	2.18	0.33	14.40	4.92	4.68	0.10
11.85	2.51	2.28	0.37	14.45	4.93	4.70	0.10
11.90	2.61	2.38	0.43	14.50	4.95	4.71	0.10
11.95	2.79	2.56	0.50	14.55	4.96	4.72	0.10
12.00	2.97	2.74	0.61	14.60	4.97	4.73	0.09
12.05	3.28	3.05	0.77	14.65	4.98	4.75	0.09
12.10	3.59	3.35	1.00	14.70	5.00	4.76	0.09
12.15	3.69	3.45	1.22	14.75	5.01	4.77	0.09
12.20	3.79	3.55	1.26	14.80	5.02	4.78	0.09
12.25	3.86	3.62	1.16	14.85	5.03	4.79	0.09
12.30	3.93	3.69	1.03	14.90	5.04	4.80	0.08
12.35	3.98	3.74	0.91	14.95	5.05	4.81	0.08
12.40	4.03	3.79	0.80	15.00	5.06	4.83	0.08
12.45	4.08	3.84	0.70	15.05	5.07	4.84	0.08
12.50	4.12	3.89	0.62	15.10	5.08	4.85	0.08
12.55	4.16	3.92	0.56	15.15	5.09	4.86	0.08
12.60	4.20	3.96	0.50	15.20	5.10	4.87	0.08
12.65	4.23	3.99	0.44	15.25	5.11	4.88	0.07
12.70	4.26	4.03	0.39	15.30	5.12	4.89	0.07
12.75	4.30	4.06	0.35	15.35	5.13	4.90	0.07

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	4.91	0.07	18.00	5.56	5.32	0.05
15.45	5.15	4.91	0.07	18.05	5.57	5.33	0.05
15.50	5.16	4.92	0.07	18.10	5.57	5.34	0.05
15.55	5.17	4.93	0.07	18.15	5.58	5.34	0.05
15.60	5.18	4.94	0.07	18.20	5.59	5.35	0.05
15.65	5.19	4.95	0.07	18.25	5.59	5.36	0.05
15.70	5.20	4.96	0.07	18.30	5.60	5.36	0.04
15.75	5.21	4.97	0.07	18.35	5.61	5.37	0.04
15.80	5.22	4.98	0.07	18.40	5.61	5.37	0.04
15.85	5.23	4.99	0.07	18.45	5.62	5.38	0.04
15.90	5.24	5.00	0.07	18.50	5.62	5.39	0.04
15.95	5.25	5.01	0.07	18.55	5.63	5.39	0.04
16.00	5.25	5.02	0.07	18.60	5.64	5.40	0.04
16.05	5.26	5.03	0.07	18.65	5.64	5.40	0.04
16.10	5.27	5.04	0.06	18.70	5.65	5.41	0.04
16.15	5.28	5.04	0.06	18.75	5.65	5.42	0.04
16.20	5.29	5.05	0.06	18.80	5.66	5.42	0.04
16.25	5.30	5.06	0.06	18.85	5.67	5.43	0.04
16.30	5.31	5.07	0.06	18.90	5.67	5.43	0.04
16.35	5.32	5.08	0.06	18.95	5.68	5.44	0.04
16.40	5.32	5.09	0.06	19.00	5.68	5.45	0.04
16.45	5.33	5.10	0.06	19.05	5.69	5.45	0.04
16.50	5.34	5.10	0.06	19.10	5.70	5.46	0.04
16.55	5.35	5.11	0.06	19.15	5.70	5.46	0.04
16.60	5.36	5.12	0.06	19.20	5.71	5.47	0.04
16.65	5.37	5.13	0.06	19.25	5.71	5.48	0.04
16.70	5.37	5.14	0.06	19.30	5.72	5.48	0.04
16.75	5.38	5.14	0.06	19.35	5.73	5.49	0.04
16.80	5.39	5.15	0.06	19.40	5.73	5.49	0.04
16.85	5.40	5.16	0.06	19.45	5.74	5.50	0.04
16.90	5.41	5.17	0.06	19.50	5.74	5.51	0.04
16.95	5.41	5.18	0.06	19.55	5.75	5.51	0.04
17.00	5.42	5.18	0.06	19.60	5.75	5.52	0.04
17.05	5.43	5.19	0.06	19.65	5.76	5.52	0.04
17.10	5.44	5.20	0.06	19.70	5.77	5.53	0.04
17.15	5.44	5.21	0.05	19.75	5.77	5.53	0.04
17.20	5.45	5.21	0.05	19.80	5.78	5.54	0.04
17.25	5.46	5.22	0.05	19.85	5.78	5.55	0.04
17.30	5.47	5.23	0.05	19.90	5.79	5.55	0.04
17.35	5.47	5.24	0.05	19.95	5.79	5.56	0.04
17.40	5.48	5.24	0.05	20.00	5.80	5.56	0.04
17.45	5.49	5.25	0.05	20.05	5.81	5.57	0.04
17.50	5.49	5.26	0.05	20.10	5.81	5.57	0.04
17.55	5.50	5.26	0.05	20.15	5.82	5.58	0.04
17.60	5.51	5.27	0.05	20.20	5.82	5.58	0.04
17.65	5.52	5.28	0.05	20.25	5.83	5.59	0.04
17.70	5.52	5.28	0.05	20.30	5.83	5.60	0.04
17.75	5.53	5.29	0.05	20.35	5.84	5.60	0.04
17.80	5.54	5.30	0.05	20.40	5.85	5.61	0.04
17.85	5.54	5.30	0.05	20.45	5.85	5.61	0.04
17.90	5.55	5.31	0.05	20.50	5.86	5.62	0.04
17.95	5.55	5.32	0.05	20.55	5.86	5.62	0.04

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	5.63	0.04	23.20	6.13	5.89	0.03
20.65	5.87	5.63	0.04	23.25	6.13	5.89	0.03
20.70	5.88	5.64	0.04	23.30	6.14	5.90	0.03
20.75	5.88	5.65	0.04	23.35	6.14	5.90	0.03
20.80	5.89	5.65	0.04	23.40	6.15	5.91	0.03
20.85	5.89	5.66	0.04	23.45	6.15	5.91	0.03
20.90	5.90	5.66	0.04	23.50	6.16	5.92	0.03
20.95	5.90	5.67	0.04	23.55	6.16	5.92	0.03
21.00	5.91	5.67	0.04	23.60	6.16	5.93	0.03
21.05	5.92	5.68	0.04	23.65	6.17	5.93	0.03
21.10	5.92	5.68	0.04	23.70	6.17	5.94	0.03
21.15	5.93	5.69	0.04	23.75	6.18	5.94	0.03
21.20	5.93	5.69	0.04	23.80	6.18	5.94	0.03
21.25	5.94	5.70	0.04	23.85	6.19	5.95	0.03
21.30	5.94	5.70	0.04	23.90	6.19	5.95	0.03
21.35	5.95	5.71	0.04	23.95	6.20	5.96	0.03
21.40	5.95	5.71	0.04	24.00	6.20	5.96	0.03
21.45	5.96	5.72	0.04	24.05	6.20	5.96	0.03
21.50	5.96	5.72	0.04	24.10	6.20	5.96	0.03
21.55	5.97	5.73	0.04	24.15	6.20	5.96	0.02
21.60	5.97	5.73	0.04	24.20	6.20	5.96	0.02
21.65	5.98	5.74	0.04	24.25	6.20	5.96	0.01
21.70	5.98	5.74	0.04	24.30	6.20	5.96	0.01
21.75	5.99	5.75	0.04	24.35	6.20	5.96	0.01
21.80	5.99	5.75	0.04	24.40	6.20	5.96	0.01
21.85	6.00	5.76	0.04	24.45	6.20	5.96	0.00
21.90	6.00	5.77	0.04	24.50	6.20	5.96	0.00
21.95	6.01	5.77	0.04	24.55	6.20	5.96	0.00
22.00	6.01	5.78	0.04	24.60	6.20	5.96	0.00
22.05	6.02	5.78	0.04	24.65	6.20	5.96	0.00
22.10	6.02	5.78	0.04	24.70	6.20	5.96	0.00
22.15	6.03	5.79	0.04	24.75	6.20	5.96	0.00
22.20	6.03	5.79	0.04	24.80	6.20	5.96	0.00
22.25	6.04	5.80	0.04	24.85	6.20	5.96	0.00
22.30	6.04	5.80	0.04	24.90	6.20	5.96	0.00
22.35	6.05	5.81	0.03	24.95	6.20	5.96	0.00
22.40	6.05	5.81	0.03	25.00	6.20	5.96	0.00
22.45	6.06	5.82	0.03	25.05	6.20	5.96	0.00
22.50	6.06	5.82	0.03	25.10	6.20	5.96	0.00
22.55	6.07	5.83	0.03	25.15	6.20	5.96	0.00
22.60	6.07	5.83	0.03	25.20	6.20	5.96	0.00
22.65	6.08	5.84	0.03	25.25	6.20	5.96	0.00
22.70	6.08	5.84	0.03	25.30	6.20	5.96	0.00
22.75	6.09	5.85	0.03	25.35	6.20	5.96	0.00
22.80	6.09	5.85	0.03	25.40	6.20	5.96	0.00
22.85	6.10	5.86	0.03	25.45	6.20	5.96	0.00
22.90	6.10	5.86	0.03	25.50	6.20	5.96	0.00
22.95	6.11	5.87	0.03	25.55	6.20	5.96	0.00
23.00	6.11	5.87	0.03	25.60	6.20	5.96	0.00
23.05	6.11	5.88	0.03	25.65	6.20	5.96	0.00
23.10	6.12	5.88	0.03	25.70	6.20	5.96	0.00
23.15	6.12	5.89	0.03	25.75	6.20	5.96	0.00

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	5.96	0.00	28.40	6.20	5.96	0.00
25.85	6.20	5.96	0.00	28.45	6.20	5.96	0.00
25.90	6.20	5.96	0.00	28.50	6.20	5.96	0.00
25.95	6.20	5.96	0.00	28.55	6.20	5.96	0.00
26.00	6.20	5.96	0.00	28.60	6.20	5.96	0.00
26.05	6.20	5.96	0.00	28.65	6.20	5.96	0.00
26.10	6.20	5.96	0.00	28.70	6.20	5.96	0.00
26.15	6.20	5.96	0.00	28.75	6.20	5.96	0.00
26.20	6.20	5.96	0.00	28.80	6.20	5.96	0.00
26.25	6.20	5.96	0.00	28.85	6.20	5.96	0.00
26.30	6.20	5.96	0.00	28.90	6.20	5.96	0.00
26.35	6.20	5.96	0.00	28.95	6.20	5.96	0.00
26.40	6.20	5.96	0.00	29.00	6.20	5.96	0.00
26.45	6.20	5.96	0.00	29.05	6.20	5.96	0.00
26.50	6.20	5.96	0.00	29.10	6.20	5.96	0.00
26.55	6.20	5.96	0.00	29.15	6.20	5.96	0.00
26.60	6.20	5.96	0.00	29.20	6.20	5.96	0.00
26.65	6.20	5.96	0.00	29.25	6.20	5.96	0.00
26.70	6.20	5.96	0.00	29.30	6.20	5.96	0.00
26.75	6.20	5.96	0.00	29.35	6.20	5.96	0.00
26.80	6.20	5.96	0.00	29.40	6.20	5.96	0.00
26.85	6.20	5.96	0.00	29.45	6.20	5.96	0.00
26.90	6.20	5.96	0.00	29.50	6.20	5.96	0.00
26.95	6.20	5.96	0.00	29.55	6.20	5.96	0.00
27.00	6.20	5.96	0.00	29.60	6.20	5.96	0.00
27.05	6.20	5.96	0.00	29.65	6.20	5.96	0.00
27.10	6.20	5.96	0.00	29.70	6.20	5.96	0.00
27.15	6.20	5.96	0.00	29.75	6.20	5.96	0.00
27.20	6.20	5.96	0.00	29.80	6.20	5.96	0.00
27.25	6.20	5.96	0.00	29.85	6.20	5.96	0.00
27.30	6.20	5.96	0.00	29.90	6.20	5.96	0.00
27.35	6.20	5.96	0.00	29.95	6.20	5.96	0.00
27.40	6.20	5.96	0.00	30.00	6.20	5.96	0.00
27.45	6.20	5.96	0.00				
27.50	6.20	5.96	0.00				
27.55	6.20	5.96	0.00				
27.60	6.20	5.96	0.00				
27.65	6.20	5.96	0.00				
27.70	6.20	5.96	0.00				
27.75	6.20	5.96	0.00				
27.80	6.20	5.96	0.00				
27.85	6.20	5.96	0.00				
27.90	6.20	5.96	0.00				
27.95	6.20	5.96	0.00				
28.00	6.20	5.96	0.00				
28.05	6.20	5.96	0.00				
28.10	6.20	5.96	0.00				
28.15	6.20	5.96	0.00				
28.20	6.20	5.96	0.00				
28.25	6.20	5.96	0.00				
28.30	6.20	5.96	0.00				
28.35	6.20	5.96	0.00				

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Summary for Subcatchment Basin 3 Impervious: Basin 3 Impervious

Runoff = 4.34 cfs @ 12.19 hrs, Volume= 0.566 af, Depth> 5.66"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.550	98	Pavement & Sidewalk
* 0.250	98	Driveways
* 0.400	98	Roof
1.200	98	Weighted Average
1.200		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.33	0.13	7.60	0.88	0.67	0.19
5.05	0.52	0.34	0.13	7.65	0.88	0.68	0.19
5.10	0.53	0.34	0.13	7.70	0.89	0.69	0.19
5.15	0.53	0.35	0.13	7.75	0.90	0.70	0.19
5.20	0.54	0.35	0.13	7.80	0.91	0.70	0.19
5.25	0.55	0.36	0.13	7.85	0.92	0.71	0.20
5.30	0.55	0.37	0.13	7.90	0.93	0.72	0.20
5.35	0.56	0.37	0.13	7.95	0.94	0.73	0.20
5.40	0.56	0.38	0.13	8.00	0.95	0.74	0.20
5.45	0.57	0.38	0.13	8.05	0.95	0.75	0.20
5.50	0.58	0.39	0.13	8.10	0.96	0.76	0.20
5.55	0.58	0.39	0.13	8.15	0.97	0.76	0.21
5.60	0.59	0.40	0.14	8.20	0.98	0.77	0.21
5.65	0.59	0.40	0.14	8.25	0.99	0.78	0.21
5.70	0.60	0.41	0.14	8.30	1.00	0.79	0.21
5.75	0.61	0.42	0.14	8.35	1.01	0.80	0.21
5.80	0.61	0.42	0.14	8.40	1.02	0.81	0.21
5.85	0.62	0.43	0.14	8.45	1.03	0.82	0.22
5.90	0.63	0.43	0.14	8.50	1.04	0.83	0.22
5.95	0.63	0.44	0.14	8.55	1.05	0.84	0.22
6.00	0.64	0.45	0.14	8.60	1.06	0.85	0.22
6.05	0.65	0.45	0.14	8.65	1.07	0.86	0.22
6.10	0.65	0.46	0.14	8.70	1.08	0.87	0.22
6.15	0.66	0.46	0.14	8.75	1.09	0.88	0.23
6.20	0.66	0.47	0.14	8.80	1.10	0.89	0.23
6.25	0.67	0.48	0.14	8.85	1.11	0.90	0.23
6.30	0.68	0.48	0.15	8.90	1.12	0.91	0.23
6.35	0.68	0.49	0.15	8.95	1.13	0.92	0.23
6.40	0.69	0.50	0.15	9.00	1.14	0.93	0.23
6.45	0.70	0.50	0.15	9.05	1.15	0.94	0.24
6.50	0.71	0.51	0.15	9.10	1.16	0.95	0.24
6.55	0.71	0.52	0.15	9.15	1.17	0.96	0.24
6.60	0.72	0.52	0.16	9.20	1.18	0.97	0.25
6.65	0.73	0.53	0.16	9.25	1.19	0.98	0.25
6.70	0.73	0.54	0.16	9.30	1.20	0.99	0.25
6.75	0.74	0.54	0.16	9.35	1.22	1.00	0.26
6.80	0.75	0.55	0.16	9.40	1.23	1.01	0.26
6.85	0.76	0.56	0.16	9.45	1.24	1.03	0.27
6.90	0.76	0.56	0.17	9.50	1.25	1.04	0.27
6.95	0.77	0.57	0.17	9.55	1.27	1.05	0.28
7.00	0.78	0.58	0.17	9.60	1.28	1.06	0.28
7.05	0.79	0.59	0.17	9.65	1.29	1.08	0.29
7.10	0.79	0.59	0.17	9.70	1.31	1.09	0.29
7.15	0.80	0.60	0.17	9.75	1.32	1.10	0.30
7.20	0.81	0.61	0.17	9.80	1.33	1.12	0.30
7.25	0.82	0.62	0.18	9.85	1.35	1.13	0.31
7.30	0.83	0.62	0.18	9.90	1.36	1.14	0.31
7.35	0.83	0.63	0.18	9.95	1.38	1.16	0.32
7.40	0.84	0.64	0.18	10.00	1.39	1.17	0.32
7.45	0.85	0.65	0.18	10.05	1.41	1.19	0.33
7.50	0.86	0.65	0.18	10.10	1.42	1.20	0.34
7.55	0.87	0.66	0.19	10.15	1.44	1.22	0.34

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	1.23	0.35	12.80	4.33	4.09	1.10
10.25	1.47	1.25	0.35	12.85	4.36	4.12	1.01
10.30	1.48	1.26	0.36	12.90	4.39	4.15	0.94
10.35	1.50	1.28	0.36	12.95	4.41	4.18	0.88
10.40	1.52	1.30	0.37	13.00	4.44	4.20	0.83
10.45	1.53	1.31	0.37	13.05	4.46	4.23	0.78
10.50	1.55	1.33	0.38	13.10	4.49	4.25	0.74
10.55	1.57	1.35	0.38	13.15	4.51	4.27	0.70
10.60	1.59	1.36	0.39	13.20	4.53	4.30	0.66
10.65	1.60	1.38	0.40	13.25	4.55	4.32	0.63
10.70	1.62	1.40	0.41	13.30	4.58	4.34	0.61
10.75	1.65	1.42	0.43	13.35	4.60	4.36	0.58
10.80	1.67	1.45	0.44	13.40	4.61	4.38	0.56
10.85	1.69	1.47	0.46	13.45	4.63	4.40	0.54
10.90	1.71	1.49	0.47	13.50	4.65	4.41	0.52
10.95	1.74	1.51	0.49	13.55	4.67	4.43	0.50
11.00	1.76	1.54	0.51	13.60	4.68	4.45	0.48
11.05	1.79	1.56	0.53	13.65	4.70	4.46	0.46
11.10	1.81	1.59	0.55	13.70	4.72	4.48	0.45
11.15	1.84	1.62	0.57	13.75	4.73	4.50	0.43
11.20	1.87	1.65	0.59	13.80	4.75	4.51	0.42
11.25	1.90	1.68	0.62	13.85	4.76	4.53	0.41
11.30	1.94	1.71	0.64	13.90	4.78	4.54	0.40
11.35	1.97	1.74	0.67	13.95	4.79	4.56	0.40
11.40	2.00	1.78	0.70	14.00	4.81	4.57	0.39
11.45	2.04	1.81	0.73	14.05	4.82	4.59	0.38
11.50	2.08	1.85	0.76	14.10	4.84	4.60	0.38
11.55	2.12	1.90	0.79	14.15	4.85	4.62	0.37
11.60	2.17	1.95	0.84	14.20	4.87	4.63	0.36
11.65	2.22	2.00	0.91	14.25	4.88	4.64	0.36
11.70	2.27	2.04	0.97	14.30	4.89	4.66	0.35
11.75	2.34	2.11	1.04	14.35	4.91	4.67	0.35
11.80	2.41	2.18	1.14	14.40	4.92	4.68	0.34
11.85	2.51	2.28	1.27	14.45	4.93	4.70	0.34
11.90	2.61	2.38	1.46	14.50	4.95	4.71	0.33
11.95	2.79	2.56	1.71	14.55	4.96	4.72	0.33
12.00	2.97	2.74	2.11	14.60	4.97	4.73	0.32
12.05	3.28	3.05	2.65	14.65	4.98	4.75	0.32
12.10	3.59	3.35	3.42	14.70	5.00	4.76	0.31
12.15	3.69	3.45	4.18	14.75	5.01	4.77	0.31
12.20	3.79	3.55	4.33	14.80	5.02	4.78	0.30
12.25	3.86	3.62	3.97	14.85	5.03	4.79	0.29
12.30	3.93	3.69	3.53	14.90	5.04	4.80	0.29
12.35	3.98	3.74	3.12	14.95	5.05	4.81	0.28
12.40	4.03	3.79	2.74	15.00	5.06	4.83	0.28
12.45	4.08	3.84	2.41	15.05	5.07	4.84	0.27
12.50	4.12	3.89	2.13	15.10	5.08	4.85	0.27
12.55	4.16	3.92	1.90	15.15	5.09	4.86	0.26
12.60	4.20	3.96	1.70	15.20	5.10	4.87	0.26
12.65	4.23	3.99	1.51	15.25	5.11	4.88	0.26
12.70	4.26	4.03	1.35	15.30	5.12	4.89	0.25
12.75	4.30	4.06	1.21	15.35	5.13	4.90	0.25

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	4.91	0.25	18.00	5.56	5.32	0.16
15.45	5.15	4.91	0.24	18.05	5.57	5.33	0.16
15.50	5.16	4.92	0.24	18.10	5.57	5.34	0.16
15.55	5.17	4.93	0.24	18.15	5.58	5.34	0.16
15.60	5.18	4.94	0.24	18.20	5.59	5.35	0.16
15.65	5.19	4.95	0.24	18.25	5.59	5.36	0.15
15.70	5.20	4.96	0.23	18.30	5.60	5.36	0.15
15.75	5.21	4.97	0.23	18.35	5.61	5.37	0.15
15.80	5.22	4.98	0.23	18.40	5.61	5.37	0.15
15.85	5.23	4.99	0.23	18.45	5.62	5.38	0.15
15.90	5.24	5.00	0.23	18.50	5.62	5.39	0.15
15.95	5.25	5.01	0.23	18.55	5.63	5.39	0.15
16.00	5.25	5.02	0.23	18.60	5.64	5.40	0.15
16.05	5.26	5.03	0.22	18.65	5.64	5.40	0.15
16.10	5.27	5.04	0.22	18.70	5.65	5.41	0.15
16.15	5.28	5.04	0.22	18.75	5.65	5.42	0.15
16.20	5.29	5.05	0.22	18.80	5.66	5.42	0.15
16.25	5.30	5.06	0.22	18.85	5.67	5.43	0.15
16.30	5.31	5.07	0.22	18.90	5.67	5.43	0.15
16.35	5.32	5.08	0.21	18.95	5.68	5.44	0.15
16.40	5.32	5.09	0.21	19.00	5.68	5.45	0.15
16.45	5.33	5.10	0.21	19.05	5.69	5.45	0.15
16.50	5.34	5.10	0.21	19.10	5.70	5.46	0.15
16.55	5.35	5.11	0.21	19.15	5.70	5.46	0.15
16.60	5.36	5.12	0.21	19.20	5.71	5.47	0.14
16.65	5.37	5.13	0.20	19.25	5.71	5.48	0.14
16.70	5.37	5.14	0.20	19.30	5.72	5.48	0.14
16.75	5.38	5.14	0.20	19.35	5.73	5.49	0.14
16.80	5.39	5.15	0.20	19.40	5.73	5.49	0.14
16.85	5.40	5.16	0.20	19.45	5.74	5.50	0.14
16.90	5.41	5.17	0.20	19.50	5.74	5.51	0.14
16.95	5.41	5.18	0.20	19.55	5.75	5.51	0.14
17.00	5.42	5.18	0.19	19.60	5.75	5.52	0.14
17.05	5.43	5.19	0.19	19.65	5.76	5.52	0.14
17.10	5.44	5.20	0.19	19.70	5.77	5.53	0.14
17.15	5.44	5.21	0.19	19.75	5.77	5.53	0.14
17.20	5.45	5.21	0.19	19.80	5.78	5.54	0.14
17.25	5.46	5.22	0.19	19.85	5.78	5.55	0.14
17.30	5.47	5.23	0.18	19.90	5.79	5.55	0.14
17.35	5.47	5.24	0.18	19.95	5.79	5.56	0.14
17.40	5.48	5.24	0.18	20.00	5.80	5.56	0.14
17.45	5.49	5.25	0.18	20.05	5.81	5.57	0.14
17.50	5.49	5.26	0.18	20.10	5.81	5.57	0.14
17.55	5.50	5.26	0.18	20.15	5.82	5.58	0.14
17.60	5.51	5.27	0.17	20.20	5.82	5.58	0.14
17.65	5.52	5.28	0.17	20.25	5.83	5.59	0.14
17.70	5.52	5.28	0.17	20.30	5.83	5.60	0.14
17.75	5.53	5.29	0.17	20.35	5.84	5.60	0.14
17.80	5.54	5.30	0.17	20.40	5.85	5.61	0.14
17.85	5.54	5.30	0.17	20.45	5.85	5.61	0.14
17.90	5.55	5.31	0.16	20.50	5.86	5.62	0.13
17.95	5.55	5.32	0.16	20.55	5.86	5.62	0.13

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	5.63	0.13	23.20	6.13	5.89	0.11
20.65	5.87	5.63	0.13	23.25	6.13	5.89	0.11
20.70	5.88	5.64	0.13	23.30	6.14	5.90	0.11
20.75	5.88	5.65	0.13	23.35	6.14	5.90	0.11
20.80	5.89	5.65	0.13	23.40	6.15	5.91	0.11
20.85	5.89	5.66	0.13	23.45	6.15	5.91	0.11
20.90	5.90	5.66	0.13	23.50	6.16	5.92	0.11
20.95	5.90	5.67	0.13	23.55	6.16	5.92	0.11
21.00	5.91	5.67	0.13	23.60	6.16	5.93	0.11
21.05	5.92	5.68	0.13	23.65	6.17	5.93	0.11
21.10	5.92	5.68	0.13	23.70	6.17	5.94	0.11
21.15	5.93	5.69	0.13	23.75	6.18	5.94	0.11
21.20	5.93	5.69	0.13	23.80	6.18	5.94	0.11
21.25	5.94	5.70	0.13	23.85	6.19	5.95	0.11
21.30	5.94	5.70	0.13	23.90	6.19	5.95	0.11
21.35	5.95	5.71	0.13	23.95	6.20	5.96	0.11
21.40	5.95	5.71	0.13	24.00	6.20	5.96	0.11
21.45	5.96	5.72	0.13	24.05	6.20	5.96	0.11
21.50	5.96	5.72	0.13	24.10	6.20	5.96	0.09
21.55	5.97	5.73	0.13	24.15	6.20	5.96	0.07
21.60	5.97	5.73	0.13	24.20	6.20	5.96	0.06
21.65	5.98	5.74	0.13	24.25	6.20	5.96	0.04
21.70	5.98	5.74	0.13	24.30	6.20	5.96	0.03
21.75	5.99	5.75	0.12	24.35	6.20	5.96	0.03
21.80	5.99	5.75	0.12	24.40	6.20	5.96	0.02
21.85	6.00	5.76	0.12	24.45	6.20	5.96	0.01
21.90	6.00	5.77	0.12	24.50	6.20	5.96	0.01
21.95	6.01	5.77	0.12	24.55	6.20	5.96	0.01
22.00	6.01	5.78	0.12	24.60	6.20	5.96	0.01
22.05	6.02	5.78	0.12	24.65	6.20	5.96	0.00
22.10	6.02	5.78	0.12	24.70	6.20	5.96	0.00
22.15	6.03	5.79	0.12	24.75	6.20	5.96	0.00
22.20	6.03	5.79	0.12	24.80	6.20	5.96	0.00
22.25	6.04	5.80	0.12	24.85	6.20	5.96	0.00
22.30	6.04	5.80	0.12	24.90	6.20	5.96	0.00
22.35	6.05	5.81	0.12	24.95	6.20	5.96	0.00
22.40	6.05	5.81	0.12	25.00	6.20	5.96	0.00
22.45	6.06	5.82	0.12	25.05	6.20	5.96	0.00
22.50	6.06	5.82	0.12	25.10	6.20	5.96	0.00
22.55	6.07	5.83	0.12	25.15	6.20	5.96	0.00
22.60	6.07	5.83	0.12	25.20	6.20	5.96	0.00
22.65	6.08	5.84	0.12	25.25	6.20	5.96	0.00
22.70	6.08	5.84	0.12	25.30	6.20	5.96	0.00
22.75	6.09	5.85	0.12	25.35	6.20	5.96	0.00
22.80	6.09	5.85	0.12	25.40	6.20	5.96	0.00
22.85	6.10	5.86	0.12	25.45	6.20	5.96	0.00
22.90	6.10	5.86	0.12	25.50	6.20	5.96	0.00
22.95	6.11	5.87	0.12	25.55	6.20	5.96	0.00
23.00	6.11	5.87	0.11	25.60	6.20	5.96	0.00
23.05	6.11	5.88	0.11	25.65	6.20	5.96	0.00
23.10	6.12	5.88	0.11	25.70	6.20	5.96	0.00
23.15	6.12	5.89	0.11	25.75	6.20	5.96	0.00

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	5.96	0.00	28.40	6.20	5.96	0.00
25.85	6.20	5.96	0.00	28.45	6.20	5.96	0.00
25.90	6.20	5.96	0.00	28.50	6.20	5.96	0.00
25.95	6.20	5.96	0.00	28.55	6.20	5.96	0.00
26.00	6.20	5.96	0.00	28.60	6.20	5.96	0.00
26.05	6.20	5.96	0.00	28.65	6.20	5.96	0.00
26.10	6.20	5.96	0.00	28.70	6.20	5.96	0.00
26.15	6.20	5.96	0.00	28.75	6.20	5.96	0.00
26.20	6.20	5.96	0.00	28.80	6.20	5.96	0.00
26.25	6.20	5.96	0.00	28.85	6.20	5.96	0.00
26.30	6.20	5.96	0.00	28.90	6.20	5.96	0.00
26.35	6.20	5.96	0.00	28.95	6.20	5.96	0.00
26.40	6.20	5.96	0.00	29.00	6.20	5.96	0.00
26.45	6.20	5.96	0.00	29.05	6.20	5.96	0.00
26.50	6.20	5.96	0.00	29.10	6.20	5.96	0.00
26.55	6.20	5.96	0.00	29.15	6.20	5.96	0.00
26.60	6.20	5.96	0.00	29.20	6.20	5.96	0.00
26.65	6.20	5.96	0.00	29.25	6.20	5.96	0.00
26.70	6.20	5.96	0.00	29.30	6.20	5.96	0.00
26.75	6.20	5.96	0.00	29.35	6.20	5.96	0.00
26.80	6.20	5.96	0.00	29.40	6.20	5.96	0.00
26.85	6.20	5.96	0.00	29.45	6.20	5.96	0.00
26.90	6.20	5.96	0.00	29.50	6.20	5.96	0.00
26.95	6.20	5.96	0.00	29.55	6.20	5.96	0.00
27.00	6.20	5.96	0.00	29.60	6.20	5.96	0.00
27.05	6.20	5.96	0.00	29.65	6.20	5.96	0.00
27.10	6.20	5.96	0.00	29.70	6.20	5.96	0.00
27.15	6.20	5.96	0.00	29.75	6.20	5.96	0.00
27.20	6.20	5.96	0.00	29.80	6.20	5.96	0.00
27.25	6.20	5.96	0.00	29.85	6.20	5.96	0.00
27.30	6.20	5.96	0.00	29.90	6.20	5.96	0.00
27.35	6.20	5.96	0.00	29.95	6.20	5.96	0.00
27.40	6.20	5.96	0.00	30.00	6.20	5.96	0.00
27.45	6.20	5.96	0.00				
27.50	6.20	5.96	0.00				
27.55	6.20	5.96	0.00				
27.60	6.20	5.96	0.00				
27.65	6.20	5.96	0.00				
27.70	6.20	5.96	0.00				
27.75	6.20	5.96	0.00				
27.80	6.20	5.96	0.00				
27.85	6.20	5.96	0.00				
27.90	6.20	5.96	0.00				
27.95	6.20	5.96	0.00				
28.00	6.20	5.96	0.00				
28.05	6.20	5.96	0.00				
28.10	6.20	5.96	0.00				
28.15	6.20	5.96	0.00				
28.20	6.20	5.96	0.00				
28.25	6.20	5.96	0.00				
28.30	6.20	5.96	0.00				
28.35	6.20	5.96	0.00				

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Summary for Subcatchment Basin 3 Pervious: Basin 3 - Pervious

Runoff = 0.26 cfs @ 13.15 hrs, Volume= 0.139 af, Depth= 0.50"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 3.300	39	lawn, A soils
3.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.00	0.00	7.60	0.88	0.00	0.00
5.05	0.52	0.00	0.00	7.65	0.88	0.00	0.00
5.10	0.53	0.00	0.00	7.70	0.89	0.00	0.00
5.15	0.53	0.00	0.00	7.75	0.90	0.00	0.00
5.20	0.54	0.00	0.00	7.80	0.91	0.00	0.00
5.25	0.55	0.00	0.00	7.85	0.92	0.00	0.00
5.30	0.55	0.00	0.00	7.90	0.93	0.00	0.00
5.35	0.56	0.00	0.00	7.95	0.94	0.00	0.00
5.40	0.56	0.00	0.00	8.00	0.95	0.00	0.00
5.45	0.57	0.00	0.00	8.05	0.95	0.00	0.00
5.50	0.58	0.00	0.00	8.10	0.96	0.00	0.00
5.55	0.58	0.00	0.00	8.15	0.97	0.00	0.00
5.60	0.59	0.00	0.00	8.20	0.98	0.00	0.00
5.65	0.59	0.00	0.00	8.25	0.99	0.00	0.00
5.70	0.60	0.00	0.00	8.30	1.00	0.00	0.00
5.75	0.61	0.00	0.00	8.35	1.01	0.00	0.00
5.80	0.61	0.00	0.00	8.40	1.02	0.00	0.00
5.85	0.62	0.00	0.00	8.45	1.03	0.00	0.00
5.90	0.63	0.00	0.00	8.50	1.04	0.00	0.00
5.95	0.63	0.00	0.00	8.55	1.05	0.00	0.00
6.00	0.64	0.00	0.00	8.60	1.06	0.00	0.00
6.05	0.65	0.00	0.00	8.65	1.07	0.00	0.00
6.10	0.65	0.00	0.00	8.70	1.08	0.00	0.00
6.15	0.66	0.00	0.00	8.75	1.09	0.00	0.00
6.20	0.66	0.00	0.00	8.80	1.10	0.00	0.00
6.25	0.67	0.00	0.00	8.85	1.11	0.00	0.00
6.30	0.68	0.00	0.00	8.90	1.12	0.00	0.00
6.35	0.68	0.00	0.00	8.95	1.13	0.00	0.00
6.40	0.69	0.00	0.00	9.00	1.14	0.00	0.00
6.45	0.70	0.00	0.00	9.05	1.15	0.00	0.00
6.50	0.71	0.00	0.00	9.10	1.16	0.00	0.00
6.55	0.71	0.00	0.00	9.15	1.17	0.00	0.00
6.60	0.72	0.00	0.00	9.20	1.18	0.00	0.00
6.65	0.73	0.00	0.00	9.25	1.19	0.00	0.00
6.70	0.73	0.00	0.00	9.30	1.20	0.00	0.00
6.75	0.74	0.00	0.00	9.35	1.22	0.00	0.00
6.80	0.75	0.00	0.00	9.40	1.23	0.00	0.00
6.85	0.76	0.00	0.00	9.45	1.24	0.00	0.00
6.90	0.76	0.00	0.00	9.50	1.25	0.00	0.00
6.95	0.77	0.00	0.00	9.55	1.27	0.00	0.00
7.00	0.78	0.00	0.00	9.60	1.28	0.00	0.00
7.05	0.79	0.00	0.00	9.65	1.29	0.00	0.00
7.10	0.79	0.00	0.00	9.70	1.31	0.00	0.00
7.15	0.80	0.00	0.00	9.75	1.32	0.00	0.00
7.20	0.81	0.00	0.00	9.80	1.33	0.00	0.00
7.25	0.82	0.00	0.00	9.85	1.35	0.00	0.00
7.30	0.83	0.00	0.00	9.90	1.36	0.00	0.00
7.35	0.83	0.00	0.00	9.95	1.38	0.00	0.00
7.40	0.84	0.00	0.00	10.00	1.39	0.00	0.00
7.45	0.85	0.00	0.00	10.05	1.41	0.00	0.00
7.50	0.86	0.00	0.00	10.10	1.42	0.00	0.00
7.55	0.87	0.00	0.00	10.15	1.44	0.00	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	0.00	0.00	12.80	4.33	0.09	0.25
10.25	1.47	0.00	0.00	12.85	4.36	0.09	0.25
10.30	1.48	0.00	0.00	12.90	4.39	0.09	0.26
10.35	1.50	0.00	0.00	12.95	4.41	0.10	0.26
10.40	1.52	0.00	0.00	13.00	4.44	0.10	0.26
10.45	1.53	0.00	0.00	13.05	4.46	0.10	0.26
10.50	1.55	0.00	0.00	13.10	4.49	0.11	0.26
10.55	1.57	0.00	0.00	13.15	4.51	0.11	0.26
10.60	1.59	0.00	0.00	13.20	4.53	0.12	0.26
10.65	1.60	0.00	0.00	13.25	4.55	0.12	0.26
10.70	1.62	0.00	0.00	13.30	4.58	0.12	0.26
10.75	1.65	0.00	0.00	13.35	4.60	0.13	0.26
10.80	1.67	0.00	0.00	13.40	4.61	0.13	0.26
10.85	1.69	0.00	0.00	13.45	4.63	0.13	0.26
10.90	1.71	0.00	0.00	13.50	4.65	0.14	0.25
10.95	1.74	0.00	0.00	13.55	4.67	0.14	0.25
11.00	1.76	0.00	0.00	13.60	4.68	0.14	0.25
11.05	1.79	0.00	0.00	13.65	4.70	0.14	0.24
11.10	1.81	0.00	0.00	13.70	4.72	0.15	0.24
11.15	1.84	0.00	0.00	13.75	4.73	0.15	0.24
11.20	1.87	0.00	0.00	13.80	4.75	0.15	0.23
11.25	1.90	0.00	0.00	13.85	4.76	0.15	0.23
11.30	1.94	0.00	0.00	13.90	4.78	0.16	0.23
11.35	1.97	0.00	0.00	13.95	4.79	0.16	0.22
11.40	2.00	0.00	0.00	14.00	4.81	0.16	0.22
11.45	2.04	0.00	0.00	14.05	4.82	0.17	0.22
11.50	2.08	0.00	0.00	14.10	4.84	0.17	0.21
11.55	2.12	0.00	0.00	14.15	4.85	0.17	0.21
11.60	2.17	0.00	0.00	14.20	4.87	0.17	0.21
11.65	2.22	0.00	0.00	14.25	4.88	0.18	0.21
11.70	2.27	0.00	0.00	14.30	4.89	0.18	0.20
11.75	2.34	0.00	0.00	14.35	4.91	0.18	0.20
11.80	2.41	0.00	0.00	14.40	4.92	0.18	0.20
11.85	2.51	0.00	0.00	14.45	4.93	0.19	0.20
11.90	2.61	0.00	0.00	14.50	4.95	0.19	0.19
11.95	2.79	0.00	0.00	14.55	4.96	0.19	0.19
12.00	2.97	0.00	0.00	14.60	4.97	0.19	0.19
12.05	3.28	0.00	0.00	14.65	4.98	0.20	0.19
12.10	3.59	0.01	0.00	14.70	5.00	0.20	0.19
12.15	3.69	0.02	0.01	14.75	5.01	0.20	0.18
12.20	3.79	0.03	0.02	14.80	5.02	0.20	0.18
12.25	3.86	0.03	0.04	14.85	5.03	0.21	0.18
12.30	3.93	0.04	0.07	14.90	5.04	0.21	0.18
12.35	3.98	0.04	0.10	14.95	5.05	0.21	0.18
12.40	4.03	0.05	0.13	15.00	5.06	0.21	0.17
12.45	4.08	0.05	0.16	15.05	5.07	0.21	0.17
12.50	4.12	0.06	0.18	15.10	5.08	0.22	0.17
12.55	4.16	0.06	0.20	15.15	5.09	0.22	0.17
12.60	4.20	0.07	0.21	15.20	5.10	0.22	0.17
12.65	4.23	0.07	0.23	15.25	5.11	0.22	0.16
12.70	4.26	0.08	0.24	15.30	5.12	0.23	0.16
12.75	4.30	0.08	0.24	15.35	5.13	0.23	0.16

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	0.23	0.16	18.00	5.56	0.33	0.12
15.45	5.15	0.23	0.16	18.05	5.57	0.33	0.12
15.50	5.16	0.23	0.15	18.10	5.57	0.33	0.12
15.55	5.17	0.24	0.15	18.15	5.58	0.33	0.11
15.60	5.18	0.24	0.15	18.20	5.59	0.33	0.11
15.65	5.19	0.24	0.15	18.25	5.59	0.34	0.11
15.70	5.20	0.24	0.15	18.30	5.60	0.34	0.11
15.75	5.21	0.24	0.15	18.35	5.61	0.34	0.11
15.80	5.22	0.25	0.15	18.40	5.61	0.34	0.11
15.85	5.23	0.25	0.15	18.45	5.62	0.34	0.11
15.90	5.24	0.25	0.15	18.50	5.62	0.34	0.11
15.95	5.25	0.25	0.14	18.55	5.63	0.34	0.11
16.00	5.25	0.25	0.14	18.60	5.64	0.35	0.11
16.05	5.26	0.26	0.14	18.65	5.64	0.35	0.11
16.10	5.27	0.26	0.14	18.70	5.65	0.35	0.11
16.15	5.28	0.26	0.14	18.75	5.65	0.35	0.11
16.20	5.29	0.26	0.14	18.80	5.66	0.35	0.11
16.25	5.30	0.26	0.14	18.85	5.67	0.35	0.11
16.30	5.31	0.27	0.14	18.90	5.67	0.36	0.11
16.35	5.32	0.27	0.14	18.95	5.68	0.36	0.11
16.40	5.32	0.27	0.14	19.00	5.68	0.36	0.11
16.45	5.33	0.27	0.14	19.05	5.69	0.36	0.11
16.50	5.34	0.27	0.14	19.10	5.70	0.36	0.11
16.55	5.35	0.28	0.14	19.15	5.70	0.36	0.11
16.60	5.36	0.28	0.14	19.20	5.71	0.37	0.11
16.65	5.37	0.28	0.14	19.25	5.71	0.37	0.11
16.70	5.37	0.28	0.13	19.30	5.72	0.37	0.11
16.75	5.38	0.28	0.13	19.35	5.73	0.37	0.11
16.80	5.39	0.29	0.13	19.40	5.73	0.37	0.10
16.85	5.40	0.29	0.13	19.45	5.74	0.37	0.10
16.90	5.41	0.29	0.13	19.50	5.74	0.37	0.10
16.95	5.41	0.29	0.13	19.55	5.75	0.38	0.10
17.00	5.42	0.29	0.13	19.60	5.75	0.38	0.10
17.05	5.43	0.30	0.13	19.65	5.76	0.38	0.10
17.10	5.44	0.30	0.13	19.70	5.77	0.38	0.10
17.15	5.44	0.30	0.13	19.75	5.77	0.38	0.10
17.20	5.45	0.30	0.13	19.80	5.78	0.38	0.10
17.25	5.46	0.30	0.13	19.85	5.78	0.39	0.10
17.30	5.47	0.30	0.13	19.90	5.79	0.39	0.10
17.35	5.47	0.31	0.13	19.95	5.79	0.39	0.10
17.40	5.48	0.31	0.13	20.00	5.80	0.39	0.10
17.45	5.49	0.31	0.13	20.05	5.81	0.39	0.10
17.50	5.49	0.31	0.12	20.10	5.81	0.39	0.10
17.55	5.50	0.31	0.12	20.15	5.82	0.39	0.10
17.60	5.51	0.31	0.12	20.20	5.82	0.40	0.10
17.65	5.52	0.32	0.12	20.25	5.83	0.40	0.10
17.70	5.52	0.32	0.12	20.30	5.83	0.40	0.10
17.75	5.53	0.32	0.12	20.35	5.84	0.40	0.10
17.80	5.54	0.32	0.12	20.40	5.85	0.40	0.10
17.85	5.54	0.32	0.12	20.45	5.85	0.40	0.10
17.90	5.55	0.32	0.12	20.50	5.86	0.41	0.10
17.95	5.55	0.33	0.12	20.55	5.86	0.41	0.10

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	0.41	0.10	23.20	6.13	0.48	0.09
20.65	5.87	0.41	0.10	23.25	6.13	0.48	0.09
20.70	5.88	0.41	0.10	23.30	6.14	0.49	0.09
20.75	5.88	0.41	0.10	23.35	6.14	0.49	0.09
20.80	5.89	0.41	0.10	23.40	6.15	0.49	0.09
20.85	5.89	0.42	0.10	23.45	6.15	0.49	0.09
20.90	5.90	0.42	0.10	23.50	6.16	0.49	0.09
20.95	5.90	0.42	0.10	23.55	6.16	0.49	0.09
21.00	5.91	0.42	0.10	23.60	6.16	0.49	0.09
21.05	5.92	0.42	0.10	23.65	6.17	0.49	0.09
21.10	5.92	0.42	0.10	23.70	6.17	0.50	0.09
21.15	5.93	0.42	0.10	23.75	6.18	0.50	0.09
21.20	5.93	0.43	0.10	23.80	6.18	0.50	0.09
21.25	5.94	0.43	0.10	23.85	6.19	0.50	0.09
21.30	5.94	0.43	0.10	23.90	6.19	0.50	0.09
21.35	5.95	0.43	0.10	23.95	6.20	0.50	0.09
21.40	5.95	0.43	0.10	24.00	6.20	0.50	0.09
21.45	5.96	0.43	0.10	24.05	6.20	0.50	0.09
21.50	5.96	0.43	0.10	24.10	6.20	0.50	0.09
21.55	5.97	0.44	0.10	24.15	6.20	0.50	0.09
21.60	5.97	0.44	0.10	24.20	6.20	0.50	0.08
21.65	5.98	0.44	0.10	24.25	6.20	0.50	0.08
21.70	5.98	0.44	0.10	24.30	6.20	0.50	0.07
21.75	5.99	0.44	0.10	24.35	6.20	0.50	0.07
21.80	5.99	0.44	0.10	24.40	6.20	0.50	0.06
21.85	6.00	0.44	0.10	24.45	6.20	0.50	0.06
21.90	6.00	0.45	0.10	24.50	6.20	0.50	0.05
21.95	6.01	0.45	0.10	24.55	6.20	0.50	0.05
22.00	6.01	0.45	0.10	24.60	6.20	0.50	0.04
22.05	6.02	0.45	0.10	24.65	6.20	0.50	0.04
22.10	6.02	0.45	0.10	24.70	6.20	0.50	0.03
22.15	6.03	0.45	0.10	24.75	6.20	0.50	0.03
22.20	6.03	0.45	0.10	24.80	6.20	0.50	0.03
22.25	6.04	0.46	0.10	24.85	6.20	0.50	0.03
22.30	6.04	0.46	0.10	24.90	6.20	0.50	0.02
22.35	6.05	0.46	0.10	24.95	6.20	0.50	0.02
22.40	6.05	0.46	0.10	25.00	6.20	0.50	0.02
22.45	6.06	0.46	0.10	25.05	6.20	0.50	0.02
22.50	6.06	0.46	0.10	25.10	6.20	0.50	0.02
22.55	6.07	0.46	0.10	25.15	6.20	0.50	0.01
22.60	6.07	0.47	0.10	25.20	6.20	0.50	0.01
22.65	6.08	0.47	0.10	25.25	6.20	0.50	0.01
22.70	6.08	0.47	0.10	25.30	6.20	0.50	0.01
22.75	6.09	0.47	0.10	25.35	6.20	0.50	0.01
22.80	6.09	0.47	0.09	25.40	6.20	0.50	0.01
22.85	6.10	0.47	0.09	25.45	6.20	0.50	0.01
22.90	6.10	0.47	0.09	25.50	6.20	0.50	0.01
22.95	6.11	0.48	0.09	25.55	6.20	0.50	0.01
23.00	6.11	0.48	0.09	25.60	6.20	0.50	0.01
23.05	6.11	0.48	0.09	25.65	6.20	0.50	0.00
23.10	6.12	0.48	0.09	25.70	6.20	0.50	0.00
23.15	6.12	0.48	0.09	25.75	6.20	0.50	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	0.50	0.00	28.40	6.20	0.50	0.00
25.85	6.20	0.50	0.00	28.45	6.20	0.50	0.00
25.90	6.20	0.50	0.00	28.50	6.20	0.50	0.00
25.95	6.20	0.50	0.00	28.55	6.20	0.50	0.00
26.00	6.20	0.50	0.00	28.60	6.20	0.50	0.00
26.05	6.20	0.50	0.00	28.65	6.20	0.50	0.00
26.10	6.20	0.50	0.00	28.70	6.20	0.50	0.00
26.15	6.20	0.50	0.00	28.75	6.20	0.50	0.00
26.20	6.20	0.50	0.00	28.80	6.20	0.50	0.00
26.25	6.20	0.50	0.00	28.85	6.20	0.50	0.00
26.30	6.20	0.50	0.00	28.90	6.20	0.50	0.00
26.35	6.20	0.50	0.00	28.95	6.20	0.50	0.00
26.40	6.20	0.50	0.00	29.00	6.20	0.50	0.00
26.45	6.20	0.50	0.00	29.05	6.20	0.50	0.00
26.50	6.20	0.50	0.00	29.10	6.20	0.50	0.00
26.55	6.20	0.50	0.00	29.15	6.20	0.50	0.00
26.60	6.20	0.50	0.00	29.20	6.20	0.50	0.00
26.65	6.20	0.50	0.00	29.25	6.20	0.50	0.00
26.70	6.20	0.50	0.00	29.30	6.20	0.50	0.00
26.75	6.20	0.50	0.00	29.35	6.20	0.50	0.00
26.80	6.20	0.50	0.00	29.40	6.20	0.50	0.00
26.85	6.20	0.50	0.00	29.45	6.20	0.50	0.00
26.90	6.20	0.50	0.00	29.50	6.20	0.50	0.00
26.95	6.20	0.50	0.00	29.55	6.20	0.50	0.00
27.00	6.20	0.50	0.00	29.60	6.20	0.50	0.00
27.05	6.20	0.50	0.00	29.65	6.20	0.50	0.00
27.10	6.20	0.50	0.00	29.70	6.20	0.50	0.00
27.15	6.20	0.50	0.00	29.75	6.20	0.50	0.00
27.20	6.20	0.50	0.00	29.80	6.20	0.50	0.00
27.25	6.20	0.50	0.00	29.85	6.20	0.50	0.00
27.30	6.20	0.50	0.00	29.90	6.20	0.50	0.00
27.35	6.20	0.50	0.00	29.95	6.20	0.50	0.00
27.40	6.20	0.50	0.00	30.00	6.20	0.50	0.00
27.45	6.20	0.50	0.00				
27.50	6.20	0.50	0.00				
27.55	6.20	0.50	0.00				
27.60	6.20	0.50	0.00				
27.65	6.20	0.50	0.00				
27.70	6.20	0.50	0.00				
27.75	6.20	0.50	0.00				
27.80	6.20	0.50	0.00				
27.85	6.20	0.50	0.00				
27.90	6.20	0.50	0.00				
27.95	6.20	0.50	0.00				
28.00	6.20	0.50	0.00				
28.05	6.20	0.50	0.00				
28.10	6.20	0.50	0.00				
28.15	6.20	0.50	0.00				
28.20	6.20	0.50	0.00				
28.25	6.20	0.50	0.00				
28.30	6.20	0.50	0.00				
28.35	6.20	0.50	0.00				

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Summary for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious

Runoff = 0.28 cfs @ 12.71 hrs, Volume= 0.130 af, Depth= 0.50"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 3.000	39	Lawn. A Soils
* 0.100	30	Woods A soils
3.100	39	Weighted Average
3.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	640	0.0100	1.61		Shallow Concentrated Flow, shallow concentrated Unpaved Kv= 16.1 fps
10.7	800	0.0060	1.25		Shallow Concentrated Flow, shallow concentrated Unpaved Kv= 16.1 fps
17.3	1,440	Total			

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.00	0.00	7.60	0.88	0.00	0.00
5.05	0.52	0.00	0.00	7.65	0.88	0.00	0.00
5.10	0.53	0.00	0.00	7.70	0.89	0.00	0.00
5.15	0.53	0.00	0.00	7.75	0.90	0.00	0.00
5.20	0.54	0.00	0.00	7.80	0.91	0.00	0.00
5.25	0.55	0.00	0.00	7.85	0.92	0.00	0.00
5.30	0.55	0.00	0.00	7.90	0.93	0.00	0.00
5.35	0.56	0.00	0.00	7.95	0.94	0.00	0.00
5.40	0.56	0.00	0.00	8.00	0.95	0.00	0.00
5.45	0.57	0.00	0.00	8.05	0.95	0.00	0.00
5.50	0.58	0.00	0.00	8.10	0.96	0.00	0.00
5.55	0.58	0.00	0.00	8.15	0.97	0.00	0.00
5.60	0.59	0.00	0.00	8.20	0.98	0.00	0.00
5.65	0.59	0.00	0.00	8.25	0.99	0.00	0.00
5.70	0.60	0.00	0.00	8.30	1.00	0.00	0.00
5.75	0.61	0.00	0.00	8.35	1.01	0.00	0.00
5.80	0.61	0.00	0.00	8.40	1.02	0.00	0.00
5.85	0.62	0.00	0.00	8.45	1.03	0.00	0.00
5.90	0.63	0.00	0.00	8.50	1.04	0.00	0.00
5.95	0.63	0.00	0.00	8.55	1.05	0.00	0.00
6.00	0.64	0.00	0.00	8.60	1.06	0.00	0.00
6.05	0.65	0.00	0.00	8.65	1.07	0.00	0.00
6.10	0.65	0.00	0.00	8.70	1.08	0.00	0.00
6.15	0.66	0.00	0.00	8.75	1.09	0.00	0.00
6.20	0.66	0.00	0.00	8.80	1.10	0.00	0.00
6.25	0.67	0.00	0.00	8.85	1.11	0.00	0.00
6.30	0.68	0.00	0.00	8.90	1.12	0.00	0.00
6.35	0.68	0.00	0.00	8.95	1.13	0.00	0.00
6.40	0.69	0.00	0.00	9.00	1.14	0.00	0.00
6.45	0.70	0.00	0.00	9.05	1.15	0.00	0.00
6.50	0.71	0.00	0.00	9.10	1.16	0.00	0.00
6.55	0.71	0.00	0.00	9.15	1.17	0.00	0.00
6.60	0.72	0.00	0.00	9.20	1.18	0.00	0.00
6.65	0.73	0.00	0.00	9.25	1.19	0.00	0.00
6.70	0.73	0.00	0.00	9.30	1.20	0.00	0.00
6.75	0.74	0.00	0.00	9.35	1.22	0.00	0.00
6.80	0.75	0.00	0.00	9.40	1.23	0.00	0.00
6.85	0.76	0.00	0.00	9.45	1.24	0.00	0.00
6.90	0.76	0.00	0.00	9.50	1.25	0.00	0.00
6.95	0.77	0.00	0.00	9.55	1.27	0.00	0.00
7.00	0.78	0.00	0.00	9.60	1.28	0.00	0.00
7.05	0.79	0.00	0.00	9.65	1.29	0.00	0.00
7.10	0.79	0.00	0.00	9.70	1.31	0.00	0.00
7.15	0.80	0.00	0.00	9.75	1.32	0.00	0.00
7.20	0.81	0.00	0.00	9.80	1.33	0.00	0.00
7.25	0.82	0.00	0.00	9.85	1.35	0.00	0.00
7.30	0.83	0.00	0.00	9.90	1.36	0.00	0.00
7.35	0.83	0.00	0.00	9.95	1.38	0.00	0.00
7.40	0.84	0.00	0.00	10.00	1.39	0.00	0.00
7.45	0.85	0.00	0.00	10.05	1.41	0.00	0.00
7.50	0.86	0.00	0.00	10.10	1.42	0.00	0.00
7.55	0.87	0.00	0.00	10.15	1.44	0.00	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	0.00	0.00	12.80	4.33	0.09	0.28
10.25	1.47	0.00	0.00	12.85	4.36	0.09	0.28
10.30	1.48	0.00	0.00	12.90	4.39	0.09	0.28
10.35	1.50	0.00	0.00	12.95	4.41	0.10	0.28
10.40	1.52	0.00	0.00	13.00	4.44	0.10	0.27
10.45	1.53	0.00	0.00	13.05	4.46	0.10	0.27
10.50	1.55	0.00	0.00	13.10	4.49	0.11	0.27
10.55	1.57	0.00	0.00	13.15	4.51	0.11	0.26
10.60	1.59	0.00	0.00	13.20	4.53	0.12	0.26
10.65	1.60	0.00	0.00	13.25	4.55	0.12	0.26
10.70	1.62	0.00	0.00	13.30	4.58	0.12	0.25
10.75	1.65	0.00	0.00	13.35	4.60	0.13	0.25
10.80	1.67	0.00	0.00	13.40	4.61	0.13	0.24
10.85	1.69	0.00	0.00	13.45	4.63	0.13	0.24
10.90	1.71	0.00	0.00	13.50	4.65	0.14	0.23
10.95	1.74	0.00	0.00	13.55	4.67	0.14	0.23
11.00	1.76	0.00	0.00	13.60	4.68	0.14	0.22
11.05	1.79	0.00	0.00	13.65	4.70	0.14	0.22
11.10	1.81	0.00	0.00	13.70	4.72	0.15	0.21
11.15	1.84	0.00	0.00	13.75	4.73	0.15	0.21
11.20	1.87	0.00	0.00	13.80	4.75	0.15	0.20
11.25	1.90	0.00	0.00	13.85	4.76	0.15	0.20
11.30	1.94	0.00	0.00	13.90	4.78	0.16	0.20
11.35	1.97	0.00	0.00	13.95	4.79	0.16	0.19
11.40	2.00	0.00	0.00	14.00	4.81	0.16	0.19
11.45	2.04	0.00	0.00	14.05	4.82	0.17	0.19
11.50	2.08	0.00	0.00	14.10	4.84	0.17	0.18
11.55	2.12	0.00	0.00	14.15	4.85	0.17	0.18
11.60	2.17	0.00	0.00	14.20	4.87	0.17	0.18
11.65	2.22	0.00	0.00	14.25	4.88	0.18	0.18
11.70	2.27	0.00	0.00	14.30	4.89	0.18	0.18
11.75	2.34	0.00	0.00	14.35	4.91	0.18	0.17
11.80	2.41	0.00	0.00	14.40	4.92	0.18	0.17
11.85	2.51	0.00	0.00	14.45	4.93	0.19	0.17
11.90	2.61	0.00	0.00	14.50	4.95	0.19	0.17
11.95	2.79	0.00	0.00	14.55	4.96	0.19	0.17
12.00	2.97	0.00	0.00	14.60	4.97	0.19	0.17
12.05	3.28	0.00	0.00	14.65	4.98	0.20	0.16
12.10	3.59	0.01	0.00	14.70	5.00	0.20	0.16
12.15	3.69	0.02	0.02	14.75	5.01	0.20	0.16
12.20	3.79	0.03	0.07	14.80	5.02	0.20	0.16
12.25	3.86	0.03	0.12	14.85	5.03	0.21	0.16
12.30	3.93	0.04	0.17	14.90	5.04	0.21	0.16
12.35	3.98	0.04	0.20	14.95	5.05	0.21	0.15
12.40	4.03	0.05	0.23	15.00	5.06	0.21	0.15
12.45	4.08	0.05	0.25	15.05	5.07	0.21	0.15
12.50	4.12	0.06	0.26	15.10	5.08	0.22	0.15
12.55	4.16	0.06	0.27	15.15	5.09	0.22	0.15
12.60	4.20	0.07	0.28	15.20	5.10	0.22	0.15
12.65	4.23	0.07	0.28	15.25	5.11	0.22	0.14
12.70	4.26	0.08	0.28	15.30	5.12	0.23	0.14
12.75	4.30	0.08	0.28	15.35	5.13	0.23	0.14

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	0.23	0.14	18.00	5.56	0.33	0.11
15.45	5.15	0.23	0.14	18.05	5.57	0.33	0.11
15.50	5.16	0.23	0.14	18.10	5.57	0.33	0.11
15.55	5.17	0.24	0.14	18.15	5.58	0.33	0.10
15.60	5.18	0.24	0.14	18.20	5.59	0.33	0.10
15.65	5.19	0.24	0.13	18.25	5.59	0.34	0.10
15.70	5.20	0.24	0.13	18.30	5.60	0.34	0.10
15.75	5.21	0.24	0.13	18.35	5.61	0.34	0.10
15.80	5.22	0.25	0.13	18.40	5.61	0.34	0.10
15.85	5.23	0.25	0.13	18.45	5.62	0.34	0.10
15.90	5.24	0.25	0.13	18.50	5.62	0.34	0.10
15.95	5.25	0.25	0.13	18.55	5.63	0.34	0.10
16.00	5.25	0.25	0.13	18.60	5.64	0.35	0.10
16.05	5.26	0.26	0.13	18.65	5.64	0.35	0.10
16.10	5.27	0.26	0.13	18.70	5.65	0.35	0.10
16.15	5.28	0.26	0.13	18.75	5.65	0.35	0.10
16.20	5.29	0.26	0.13	18.80	5.66	0.35	0.10
16.25	5.30	0.26	0.13	18.85	5.67	0.35	0.10
16.30	5.31	0.27	0.13	18.90	5.67	0.36	0.10
16.35	5.32	0.27	0.13	18.95	5.68	0.36	0.10
16.40	5.32	0.27	0.13	19.00	5.68	0.36	0.10
16.45	5.33	0.27	0.13	19.05	5.69	0.36	0.10
16.50	5.34	0.27	0.13	19.10	5.70	0.36	0.10
16.55	5.35	0.28	0.13	19.15	5.70	0.36	0.10
16.60	5.36	0.28	0.12	19.20	5.71	0.37	0.10
16.65	5.37	0.28	0.12	19.25	5.71	0.37	0.10
16.70	5.37	0.28	0.12	19.30	5.72	0.37	0.10
16.75	5.38	0.28	0.12	19.35	5.73	0.37	0.10
16.80	5.39	0.29	0.12	19.40	5.73	0.37	0.10
16.85	5.40	0.29	0.12	19.45	5.74	0.37	0.10
16.90	5.41	0.29	0.12	19.50	5.74	0.37	0.10
16.95	5.41	0.29	0.12	19.55	5.75	0.38	0.10
17.00	5.42	0.29	0.12	19.60	5.75	0.38	0.10
17.05	5.43	0.30	0.12	19.65	5.76	0.38	0.10
17.10	5.44	0.30	0.12	19.70	5.77	0.38	0.10
17.15	5.44	0.30	0.12	19.75	5.77	0.38	0.10
17.20	5.45	0.30	0.12	19.80	5.78	0.38	0.10
17.25	5.46	0.30	0.12	19.85	5.78	0.39	0.10
17.30	5.47	0.30	0.12	19.90	5.79	0.39	0.10
17.35	5.47	0.31	0.12	19.95	5.79	0.39	0.10
17.40	5.48	0.31	0.12	20.00	5.80	0.39	0.10
17.45	5.49	0.31	0.11	20.05	5.81	0.39	0.10
17.50	5.49	0.31	0.11	20.10	5.81	0.39	0.10
17.55	5.50	0.31	0.11	20.15	5.82	0.39	0.10
17.60	5.51	0.31	0.11	20.20	5.82	0.40	0.10
17.65	5.52	0.32	0.11	20.25	5.83	0.40	0.10
17.70	5.52	0.32	0.11	20.30	5.83	0.40	0.10
17.75	5.53	0.32	0.11	20.35	5.84	0.40	0.10
17.80	5.54	0.32	0.11	20.40	5.85	0.40	0.10
17.85	5.54	0.32	0.11	20.45	5.85	0.40	0.10
17.90	5.55	0.32	0.11	20.50	5.86	0.41	0.10
17.95	5.55	0.33	0.11	20.55	5.86	0.41	0.10

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	0.41	0.10	23.20	6.13	0.48	0.09
20.65	5.87	0.41	0.09	23.25	6.13	0.48	0.09
20.70	5.88	0.41	0.09	23.30	6.14	0.49	0.09
20.75	5.88	0.41	0.09	23.35	6.14	0.49	0.09
20.80	5.89	0.41	0.09	23.40	6.15	0.49	0.09
20.85	5.89	0.42	0.09	23.45	6.15	0.49	0.09
20.90	5.90	0.42	0.09	23.50	6.16	0.49	0.09
20.95	5.90	0.42	0.09	23.55	6.16	0.49	0.09
21.00	5.91	0.42	0.09	23.60	6.16	0.49	0.09
21.05	5.92	0.42	0.09	23.65	6.17	0.49	0.08
21.10	5.92	0.42	0.09	23.70	6.17	0.50	0.08
21.15	5.93	0.42	0.09	23.75	6.18	0.50	0.08
21.20	5.93	0.43	0.09	23.80	6.18	0.50	0.08
21.25	5.94	0.43	0.09	23.85	6.19	0.50	0.08
21.30	5.94	0.43	0.09	23.90	6.19	0.50	0.08
21.35	5.95	0.43	0.09	23.95	6.20	0.50	0.08
21.40	5.95	0.43	0.09	24.00	6.20	0.50	0.08
21.45	5.96	0.43	0.09	24.05	6.20	0.50	0.08
21.50	5.96	0.43	0.09	24.10	6.20	0.50	0.08
21.55	5.97	0.44	0.09	24.15	6.20	0.50	0.08
21.60	5.97	0.44	0.09	24.20	6.20	0.50	0.07
21.65	5.98	0.44	0.09	24.25	6.20	0.50	0.06
21.70	5.98	0.44	0.09	24.30	6.20	0.50	0.05
21.75	5.99	0.44	0.09	24.35	6.20	0.50	0.04
21.80	5.99	0.44	0.09	24.40	6.20	0.50	0.04
21.85	6.00	0.44	0.09	24.45	6.20	0.50	0.03
21.90	6.00	0.45	0.09	24.50	6.20	0.50	0.03
21.95	6.01	0.45	0.09	24.55	6.20	0.50	0.02
22.00	6.01	0.45	0.09	24.60	6.20	0.50	0.02
22.05	6.02	0.45	0.09	24.65	6.20	0.50	0.02
22.10	6.02	0.45	0.09	24.70	6.20	0.50	0.01
22.15	6.03	0.45	0.09	24.75	6.20	0.50	0.01
22.20	6.03	0.45	0.09	24.80	6.20	0.50	0.01
22.25	6.04	0.46	0.09	24.85	6.20	0.50	0.01
22.30	6.04	0.46	0.09	24.90	6.20	0.50	0.01
22.35	6.05	0.46	0.09	24.95	6.20	0.50	0.01
22.40	6.05	0.46	0.09	25.00	6.20	0.50	0.01
22.45	6.06	0.46	0.09	25.05	6.20	0.50	0.00
22.50	6.06	0.46	0.09	25.10	6.20	0.50	0.00
22.55	6.07	0.46	0.09	25.15	6.20	0.50	0.00
22.60	6.07	0.47	0.09	25.20	6.20	0.50	0.00
22.65	6.08	0.47	0.09	25.25	6.20	0.50	0.00
22.70	6.08	0.47	0.09	25.30	6.20	0.50	0.00
22.75	6.09	0.47	0.09	25.35	6.20	0.50	0.00
22.80	6.09	0.47	0.09	25.40	6.20	0.50	0.00
22.85	6.10	0.47	0.09	25.45	6.20	0.50	0.00
22.90	6.10	0.47	0.09	25.50	6.20	0.50	0.00
22.95	6.11	0.48	0.09	25.55	6.20	0.50	0.00
23.00	6.11	0.48	0.09	25.60	6.20	0.50	0.00
23.05	6.11	0.48	0.09	25.65	6.20	0.50	0.00
23.10	6.12	0.48	0.09	25.70	6.20	0.50	0.00
23.15	6.12	0.48	0.09	25.75	6.20	0.50	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	0.50	0.00	28.40	6.20	0.50	0.00
25.85	6.20	0.50	0.00	28.45	6.20	0.50	0.00
25.90	6.20	0.50	0.00	28.50	6.20	0.50	0.00
25.95	6.20	0.50	0.00	28.55	6.20	0.50	0.00
26.00	6.20	0.50	0.00	28.60	6.20	0.50	0.00
26.05	6.20	0.50	0.00	28.65	6.20	0.50	0.00
26.10	6.20	0.50	0.00	28.70	6.20	0.50	0.00
26.15	6.20	0.50	0.00	28.75	6.20	0.50	0.00
26.20	6.20	0.50	0.00	28.80	6.20	0.50	0.00
26.25	6.20	0.50	0.00	28.85	6.20	0.50	0.00
26.30	6.20	0.50	0.00	28.90	6.20	0.50	0.00
26.35	6.20	0.50	0.00	28.95	6.20	0.50	0.00
26.40	6.20	0.50	0.00	29.00	6.20	0.50	0.00
26.45	6.20	0.50	0.00	29.05	6.20	0.50	0.00
26.50	6.20	0.50	0.00	29.10	6.20	0.50	0.00
26.55	6.20	0.50	0.00	29.15	6.20	0.50	0.00
26.60	6.20	0.50	0.00	29.20	6.20	0.50	0.00
26.65	6.20	0.50	0.00	29.25	6.20	0.50	0.00
26.70	6.20	0.50	0.00	29.30	6.20	0.50	0.00
26.75	6.20	0.50	0.00	29.35	6.20	0.50	0.00
26.80	6.20	0.50	0.00	29.40	6.20	0.50	0.00
26.85	6.20	0.50	0.00	29.45	6.20	0.50	0.00
26.90	6.20	0.50	0.00	29.50	6.20	0.50	0.00
26.95	6.20	0.50	0.00	29.55	6.20	0.50	0.00
27.00	6.20	0.50	0.00	29.60	6.20	0.50	0.00
27.05	6.20	0.50	0.00	29.65	6.20	0.50	0.00
27.10	6.20	0.50	0.00	29.70	6.20	0.50	0.00
27.15	6.20	0.50	0.00	29.75	6.20	0.50	0.00
27.20	6.20	0.50	0.00	29.80	6.20	0.50	0.00
27.25	6.20	0.50	0.00	29.85	6.20	0.50	0.00
27.30	6.20	0.50	0.00	29.90	6.20	0.50	0.00
27.35	6.20	0.50	0.00	29.95	6.20	0.50	0.00
27.40	6.20	0.50	0.00	30.00	6.20	0.50	0.00
27.45	6.20	0.50	0.00				
27.50	6.20	0.50	0.00				
27.55	6.20	0.50	0.00				
27.60	6.20	0.50	0.00				
27.65	6.20	0.50	0.00				
27.70	6.20	0.50	0.00				
27.75	6.20	0.50	0.00				
27.80	6.20	0.50	0.00				
27.85	6.20	0.50	0.00				
27.90	6.20	0.50	0.00				
27.95	6.20	0.50	0.00				
28.00	6.20	0.50	0.00				
28.05	6.20	0.50	0.00				
28.10	6.20	0.50	0.00				
28.15	6.20	0.50	0.00				
28.20	6.20	0.50	0.00				
28.25	6.20	0.50	0.00				
28.30	6.20	0.50	0.00				
28.35	6.20	0.50	0.00				

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Summary for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp

Runoff = 3.98 cfs @ 12.19 hrs, Volume= 0.519 af, Depth> 5.66"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.300	98	Pavement
* 0.200	98	Driveways
* 0.600	98	Roof
1.100	98	Weighted Average
1.100		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.33	0.12	7.60	0.88	0.67	0.17
5.05	0.52	0.34	0.12	7.65	0.88	0.68	0.17
5.10	0.53	0.34	0.12	7.70	0.89	0.69	0.18
5.15	0.53	0.35	0.12	7.75	0.90	0.70	0.18
5.20	0.54	0.35	0.12	7.80	0.91	0.70	0.18
5.25	0.55	0.36	0.12	7.85	0.92	0.71	0.18
5.30	0.55	0.37	0.12	7.90	0.93	0.72	0.18
5.35	0.56	0.37	0.12	7.95	0.94	0.73	0.18
5.40	0.56	0.38	0.12	8.00	0.95	0.74	0.18
5.45	0.57	0.38	0.12	8.05	0.95	0.75	0.19
5.50	0.58	0.39	0.12	8.10	0.96	0.76	0.19
5.55	0.58	0.39	0.12	8.15	0.97	0.76	0.19
5.60	0.59	0.40	0.12	8.20	0.98	0.77	0.19
5.65	0.59	0.40	0.12	8.25	0.99	0.78	0.19
5.70	0.60	0.41	0.13	8.30	1.00	0.79	0.19
5.75	0.61	0.42	0.13	8.35	1.01	0.80	0.20
5.80	0.61	0.42	0.13	8.40	1.02	0.81	0.20
5.85	0.62	0.43	0.13	8.45	1.03	0.82	0.20
5.90	0.63	0.43	0.13	8.50	1.04	0.83	0.20
5.95	0.63	0.44	0.13	8.55	1.05	0.84	0.20
6.00	0.64	0.45	0.13	8.60	1.06	0.85	0.20
6.05	0.65	0.45	0.13	8.65	1.07	0.86	0.20
6.10	0.65	0.46	0.13	8.70	1.08	0.87	0.21
6.15	0.66	0.46	0.13	8.75	1.09	0.88	0.21
6.20	0.66	0.47	0.13	8.80	1.10	0.89	0.21
6.25	0.67	0.48	0.13	8.85	1.11	0.90	0.21
6.30	0.68	0.48	0.13	8.90	1.12	0.91	0.21
6.35	0.68	0.49	0.14	8.95	1.13	0.92	0.21
6.40	0.69	0.50	0.14	9.00	1.14	0.93	0.22
6.45	0.70	0.50	0.14	9.05	1.15	0.94	0.22
6.50	0.71	0.51	0.14	9.10	1.16	0.95	0.22
6.55	0.71	0.52	0.14	9.15	1.17	0.96	0.22
6.60	0.72	0.52	0.14	9.20	1.18	0.97	0.23
6.65	0.73	0.53	0.14	9.25	1.19	0.98	0.23
6.70	0.73	0.54	0.15	9.30	1.20	0.99	0.23
6.75	0.74	0.54	0.15	9.35	1.22	1.00	0.24
6.80	0.75	0.55	0.15	9.40	1.23	1.01	0.24
6.85	0.76	0.56	0.15	9.45	1.24	1.03	0.25
6.90	0.76	0.56	0.15	9.50	1.25	1.04	0.25
6.95	0.77	0.57	0.15	9.55	1.27	1.05	0.25
7.00	0.78	0.58	0.15	9.60	1.28	1.06	0.26
7.05	0.79	0.59	0.16	9.65	1.29	1.08	0.26
7.10	0.79	0.59	0.16	9.70	1.31	1.09	0.27
7.15	0.80	0.60	0.16	9.75	1.32	1.10	0.27
7.20	0.81	0.61	0.16	9.80	1.33	1.12	0.28
7.25	0.82	0.62	0.16	9.85	1.35	1.13	0.28
7.30	0.83	0.62	0.16	9.90	1.36	1.14	0.29
7.35	0.83	0.63	0.16	9.95	1.38	1.16	0.29
7.40	0.84	0.64	0.17	10.00	1.39	1.17	0.30
7.45	0.85	0.65	0.17	10.05	1.41	1.19	0.30
7.50	0.86	0.65	0.17	10.10	1.42	1.20	0.31
7.55	0.87	0.66	0.17	10.15	1.44	1.22	0.31

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	1.23	0.32	12.80	4.33	4.09	1.01
10.25	1.47	1.25	0.32	12.85	4.36	4.12	0.93
10.30	1.48	1.26	0.33	12.90	4.39	4.15	0.86
10.35	1.50	1.28	0.33	12.95	4.41	4.18	0.81
10.40	1.52	1.30	0.34	13.00	4.44	4.20	0.76
10.45	1.53	1.31	0.34	13.05	4.46	4.23	0.72
10.50	1.55	1.33	0.35	13.10	4.49	4.25	0.68
10.55	1.57	1.35	0.35	13.15	4.51	4.27	0.64
10.60	1.59	1.36	0.36	13.20	4.53	4.30	0.61
10.65	1.60	1.38	0.37	13.25	4.55	4.32	0.58
10.70	1.62	1.40	0.38	13.30	4.58	4.34	0.56
10.75	1.65	1.42	0.39	13.35	4.60	4.36	0.53
10.80	1.67	1.45	0.41	13.40	4.61	4.38	0.51
10.85	1.69	1.47	0.42	13.45	4.63	4.40	0.50
10.90	1.71	1.49	0.43	13.50	4.65	4.41	0.48
10.95	1.74	1.51	0.45	13.55	4.67	4.43	0.46
11.00	1.76	1.54	0.47	13.60	4.68	4.45	0.44
11.05	1.79	1.56	0.48	13.65	4.70	4.46	0.42
11.10	1.81	1.59	0.50	13.70	4.72	4.48	0.41
11.15	1.84	1.62	0.52	13.75	4.73	4.50	0.40
11.20	1.87	1.65	0.54	13.80	4.75	4.51	0.39
11.25	1.90	1.68	0.57	13.85	4.76	4.53	0.38
11.30	1.94	1.71	0.59	13.90	4.78	4.54	0.37
11.35	1.97	1.74	0.62	13.95	4.79	4.56	0.36
11.40	2.00	1.78	0.64	14.00	4.81	4.57	0.36
11.45	2.04	1.81	0.67	14.05	4.82	4.59	0.35
11.50	2.08	1.85	0.69	14.10	4.84	4.60	0.34
11.55	2.12	1.90	0.72	14.15	4.85	4.62	0.34
11.60	2.17	1.95	0.77	14.20	4.87	4.63	0.33
11.65	2.22	2.00	0.83	14.25	4.88	4.64	0.33
11.70	2.27	2.04	0.89	14.30	4.89	4.66	0.32
11.75	2.34	2.11	0.95	14.35	4.91	4.67	0.32
11.80	2.41	2.18	1.04	14.40	4.92	4.68	0.31
11.85	2.51	2.28	1.17	14.45	4.93	4.70	0.31
11.90	2.61	2.38	1.34	14.50	4.95	4.71	0.30
11.95	2.79	2.56	1.57	14.55	4.96	4.72	0.30
12.00	2.97	2.74	1.93	14.60	4.97	4.73	0.29
12.05	3.28	3.05	2.43	14.65	4.98	4.75	0.29
12.10	3.59	3.35	3.14	14.70	5.00	4.76	0.28
12.15	3.69	3.45	3.83	14.75	5.01	4.77	0.28
12.20	3.79	3.55	3.97	14.80	5.02	4.78	0.28
12.25	3.86	3.62	3.64	14.85	5.03	4.79	0.27
12.30	3.93	3.69	3.24	14.90	5.04	4.80	0.27
12.35	3.98	3.74	2.86	14.95	5.05	4.81	0.26
12.40	4.03	3.79	2.51	15.00	5.06	4.83	0.26
12.45	4.08	3.84	2.21	15.05	5.07	4.84	0.25
12.50	4.12	3.89	1.95	15.10	5.08	4.85	0.25
12.55	4.16	3.92	1.75	15.15	5.09	4.86	0.24
12.60	4.20	3.96	1.56	15.20	5.10	4.87	0.24
12.65	4.23	3.99	1.38	15.25	5.11	4.88	0.23
12.70	4.26	4.03	1.23	15.30	5.12	4.89	0.23
12.75	4.30	4.06	1.11	15.35	5.13	4.90	0.23

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	4.91	0.23	18.00	5.56	5.32	0.15
15.45	5.15	4.91	0.22	18.05	5.57	5.33	0.15
15.50	5.16	4.92	0.22	18.10	5.57	5.34	0.15
15.55	5.17	4.93	0.22	18.15	5.58	5.34	0.14
15.60	5.18	4.94	0.22	18.20	5.59	5.35	0.14
15.65	5.19	4.95	0.22	18.25	5.59	5.36	0.14
15.70	5.20	4.96	0.22	18.30	5.60	5.36	0.14
15.75	5.21	4.97	0.21	18.35	5.61	5.37	0.14
15.80	5.22	4.98	0.21	18.40	5.61	5.37	0.14
15.85	5.23	4.99	0.21	18.45	5.62	5.38	0.14
15.90	5.24	5.00	0.21	18.50	5.62	5.39	0.14
15.95	5.25	5.01	0.21	18.55	5.63	5.39	0.14
16.00	5.25	5.02	0.21	18.60	5.64	5.40	0.14
16.05	5.26	5.03	0.20	18.65	5.64	5.40	0.14
16.10	5.27	5.04	0.20	18.70	5.65	5.41	0.14
16.15	5.28	5.04	0.20	18.75	5.65	5.42	0.14
16.20	5.29	5.05	0.20	18.80	5.66	5.42	0.14
16.25	5.30	5.06	0.20	18.85	5.67	5.43	0.14
16.30	5.31	5.07	0.20	18.90	5.67	5.43	0.14
16.35	5.32	5.08	0.20	18.95	5.68	5.44	0.13
16.40	5.32	5.09	0.19	19.00	5.68	5.45	0.13
16.45	5.33	5.10	0.19	19.05	5.69	5.45	0.13
16.50	5.34	5.10	0.19	19.10	5.70	5.46	0.13
16.55	5.35	5.11	0.19	19.15	5.70	5.46	0.13
16.60	5.36	5.12	0.19	19.20	5.71	5.47	0.13
16.65	5.37	5.13	0.19	19.25	5.71	5.48	0.13
16.70	5.37	5.14	0.19	19.30	5.72	5.48	0.13
16.75	5.38	5.14	0.18	19.35	5.73	5.49	0.13
16.80	5.39	5.15	0.18	19.40	5.73	5.49	0.13
16.85	5.40	5.16	0.18	19.45	5.74	5.50	0.13
16.90	5.41	5.17	0.18	19.50	5.74	5.51	0.13
16.95	5.41	5.18	0.18	19.55	5.75	5.51	0.13
17.00	5.42	5.18	0.18	19.60	5.75	5.52	0.13
17.05	5.43	5.19	0.18	19.65	5.76	5.52	0.13
17.10	5.44	5.20	0.17	19.70	5.77	5.53	0.13
17.15	5.44	5.21	0.17	19.75	5.77	5.53	0.13
17.20	5.45	5.21	0.17	19.80	5.78	5.54	0.13
17.25	5.46	5.22	0.17	19.85	5.78	5.55	0.13
17.30	5.47	5.23	0.17	19.90	5.79	5.55	0.13
17.35	5.47	5.24	0.17	19.95	5.79	5.56	0.13
17.40	5.48	5.24	0.17	20.00	5.80	5.56	0.13
17.45	5.49	5.25	0.16	20.05	5.81	5.57	0.13
17.50	5.49	5.26	0.16	20.10	5.81	5.57	0.13
17.55	5.50	5.26	0.16	20.15	5.82	5.58	0.13
17.60	5.51	5.27	0.16	20.20	5.82	5.58	0.13
17.65	5.52	5.28	0.16	20.25	5.83	5.59	0.13
17.70	5.52	5.28	0.16	20.30	5.83	5.60	0.12
17.75	5.53	5.29	0.16	20.35	5.84	5.60	0.12
17.80	5.54	5.30	0.15	20.40	5.85	5.61	0.12
17.85	5.54	5.30	0.15	20.45	5.85	5.61	0.12
17.90	5.55	5.31	0.15	20.50	5.86	5.62	0.12
17.95	5.55	5.32	0.15	20.55	5.86	5.62	0.12

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	5.63	0.12	23.20	6.13	5.89	0.10
20.65	5.87	5.63	0.12	23.25	6.13	5.89	0.10
20.70	5.88	5.64	0.12	23.30	6.14	5.90	0.10
20.75	5.88	5.65	0.12	23.35	6.14	5.90	0.10
20.80	5.89	5.65	0.12	23.40	6.15	5.91	0.10
20.85	5.89	5.66	0.12	23.45	6.15	5.91	0.10
20.90	5.90	5.66	0.12	23.50	6.16	5.92	0.10
20.95	5.90	5.67	0.12	23.55	6.16	5.92	0.10
21.00	5.91	5.67	0.12	23.60	6.16	5.93	0.10
21.05	5.92	5.68	0.12	23.65	6.17	5.93	0.10
21.10	5.92	5.68	0.12	23.70	6.17	5.94	0.10
21.15	5.93	5.69	0.12	23.75	6.18	5.94	0.10
21.20	5.93	5.69	0.12	23.80	6.18	5.94	0.10
21.25	5.94	5.70	0.12	23.85	6.19	5.95	0.10
21.30	5.94	5.70	0.12	23.90	6.19	5.95	0.10
21.35	5.95	5.71	0.12	23.95	6.20	5.96	0.10
21.40	5.95	5.71	0.12	24.00	6.20	5.96	0.10
21.45	5.96	5.72	0.12	24.05	6.20	5.96	0.10
21.50	5.96	5.72	0.12	24.10	6.20	5.96	0.09
21.55	5.97	5.73	0.12	24.15	6.20	5.96	0.07
21.60	5.97	5.73	0.12	24.20	6.20	5.96	0.05
21.65	5.98	5.74	0.12	24.25	6.20	5.96	0.04
21.70	5.98	5.74	0.11	24.30	6.20	5.96	0.03
21.75	5.99	5.75	0.11	24.35	6.20	5.96	0.02
21.80	5.99	5.75	0.11	24.40	6.20	5.96	0.02
21.85	6.00	5.76	0.11	24.45	6.20	5.96	0.01
21.90	6.00	5.77	0.11	24.50	6.20	5.96	0.01
21.95	6.01	5.77	0.11	24.55	6.20	5.96	0.01
22.00	6.01	5.78	0.11	24.60	6.20	5.96	0.01
22.05	6.02	5.78	0.11	24.65	6.20	5.96	0.00
22.10	6.02	5.78	0.11	24.70	6.20	5.96	0.00
22.15	6.03	5.79	0.11	24.75	6.20	5.96	0.00
22.20	6.03	5.79	0.11	24.80	6.20	5.96	0.00
22.25	6.04	5.80	0.11	24.85	6.20	5.96	0.00
22.30	6.04	5.80	0.11	24.90	6.20	5.96	0.00
22.35	6.05	5.81	0.11	24.95	6.20	5.96	0.00
22.40	6.05	5.81	0.11	25.00	6.20	5.96	0.00
22.45	6.06	5.82	0.11	25.05	6.20	5.96	0.00
22.50	6.06	5.82	0.11	25.10	6.20	5.96	0.00
22.55	6.07	5.83	0.11	25.15	6.20	5.96	0.00
22.60	6.07	5.83	0.11	25.20	6.20	5.96	0.00
22.65	6.08	5.84	0.11	25.25	6.20	5.96	0.00
22.70	6.08	5.84	0.11	25.30	6.20	5.96	0.00
22.75	6.09	5.85	0.11	25.35	6.20	5.96	0.00
22.80	6.09	5.85	0.11	25.40	6.20	5.96	0.00
22.85	6.10	5.86	0.11	25.45	6.20	5.96	0.00
22.90	6.10	5.86	0.11	25.50	6.20	5.96	0.00
22.95	6.11	5.87	0.11	25.55	6.20	5.96	0.00
23.00	6.11	5.87	0.11	25.60	6.20	5.96	0.00
23.05	6.11	5.88	0.10	25.65	6.20	5.96	0.00
23.10	6.12	5.88	0.10	25.70	6.20	5.96	0.00
23.15	6.12	5.89	0.10	25.75	6.20	5.96	0.00

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	5.96	0.00	28.40	6.20	5.96	0.00
25.85	6.20	5.96	0.00	28.45	6.20	5.96	0.00
25.90	6.20	5.96	0.00	28.50	6.20	5.96	0.00
25.95	6.20	5.96	0.00	28.55	6.20	5.96	0.00
26.00	6.20	5.96	0.00	28.60	6.20	5.96	0.00
26.05	6.20	5.96	0.00	28.65	6.20	5.96	0.00
26.10	6.20	5.96	0.00	28.70	6.20	5.96	0.00
26.15	6.20	5.96	0.00	28.75	6.20	5.96	0.00
26.20	6.20	5.96	0.00	28.80	6.20	5.96	0.00
26.25	6.20	5.96	0.00	28.85	6.20	5.96	0.00
26.30	6.20	5.96	0.00	28.90	6.20	5.96	0.00
26.35	6.20	5.96	0.00	28.95	6.20	5.96	0.00
26.40	6.20	5.96	0.00	29.00	6.20	5.96	0.00
26.45	6.20	5.96	0.00	29.05	6.20	5.96	0.00
26.50	6.20	5.96	0.00	29.10	6.20	5.96	0.00
26.55	6.20	5.96	0.00	29.15	6.20	5.96	0.00
26.60	6.20	5.96	0.00	29.20	6.20	5.96	0.00
26.65	6.20	5.96	0.00	29.25	6.20	5.96	0.00
26.70	6.20	5.96	0.00	29.30	6.20	5.96	0.00
26.75	6.20	5.96	0.00	29.35	6.20	5.96	0.00
26.80	6.20	5.96	0.00	29.40	6.20	5.96	0.00
26.85	6.20	5.96	0.00	29.45	6.20	5.96	0.00
26.90	6.20	5.96	0.00	29.50	6.20	5.96	0.00
26.95	6.20	5.96	0.00	29.55	6.20	5.96	0.00
27.00	6.20	5.96	0.00	29.60	6.20	5.96	0.00
27.05	6.20	5.96	0.00	29.65	6.20	5.96	0.00
27.10	6.20	5.96	0.00	29.70	6.20	5.96	0.00
27.15	6.20	5.96	0.00	29.75	6.20	5.96	0.00
27.20	6.20	5.96	0.00	29.80	6.20	5.96	0.00
27.25	6.20	5.96	0.00	29.85	6.20	5.96	0.00
27.30	6.20	5.96	0.00	29.90	6.20	5.96	0.00
27.35	6.20	5.96	0.00	29.95	6.20	5.96	0.00
27.40	6.20	5.96	0.00	30.00	6.20	5.96	0.00
27.45	6.20	5.96	0.00				
27.50	6.20	5.96	0.00				
27.55	6.20	5.96	0.00				
27.60	6.20	5.96	0.00				
27.65	6.20	5.96	0.00				
27.70	6.20	5.96	0.00				
27.75	6.20	5.96	0.00				
27.80	6.20	5.96	0.00				
27.85	6.20	5.96	0.00				
27.90	6.20	5.96	0.00				
27.95	6.20	5.96	0.00				
28.00	6.20	5.96	0.00				
28.05	6.20	5.96	0.00				
28.10	6.20	5.96	0.00				
28.15	6.20	5.96	0.00				
28.20	6.20	5.96	0.00				
28.25	6.20	5.96	0.00				
28.30	6.20	5.96	0.00				
28.35	6.20	5.96	0.00				

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Summary for Subcatchment Basin 6 Impervious: Basin 6 Imp

Runoff = 1.45 cfs @ 12.19 hrs, Volume= 0.189 af, Depth> 5.66"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.200	98	Pavement & Sidewalk
* 0.200	98	Roof
0.400	98	Weighted Average
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.33	0.04	7.60	0.88	0.67	0.06
5.05	0.52	0.34	0.04	7.65	0.88	0.68	0.06
5.10	0.53	0.34	0.04	7.70	0.89	0.69	0.06
5.15	0.53	0.35	0.04	7.75	0.90	0.70	0.06
5.20	0.54	0.35	0.04	7.80	0.91	0.70	0.06
5.25	0.55	0.36	0.04	7.85	0.92	0.71	0.07
5.30	0.55	0.37	0.04	7.90	0.93	0.72	0.07
5.35	0.56	0.37	0.04	7.95	0.94	0.73	0.07
5.40	0.56	0.38	0.04	8.00	0.95	0.74	0.07
5.45	0.57	0.38	0.04	8.05	0.95	0.75	0.07
5.50	0.58	0.39	0.04	8.10	0.96	0.76	0.07
5.55	0.58	0.39	0.04	8.15	0.97	0.76	0.07
5.60	0.59	0.40	0.05	8.20	0.98	0.77	0.07
5.65	0.59	0.40	0.05	8.25	0.99	0.78	0.07
5.70	0.60	0.41	0.05	8.30	1.00	0.79	0.07
5.75	0.61	0.42	0.05	8.35	1.01	0.80	0.07
5.80	0.61	0.42	0.05	8.40	1.02	0.81	0.07
5.85	0.62	0.43	0.05	8.45	1.03	0.82	0.07
5.90	0.63	0.43	0.05	8.50	1.04	0.83	0.07
5.95	0.63	0.44	0.05	8.55	1.05	0.84	0.07
6.00	0.64	0.45	0.05	8.60	1.06	0.85	0.07
6.05	0.65	0.45	0.05	8.65	1.07	0.86	0.07
6.10	0.65	0.46	0.05	8.70	1.08	0.87	0.07
6.15	0.66	0.46	0.05	8.75	1.09	0.88	0.08
6.20	0.66	0.47	0.05	8.80	1.10	0.89	0.08
6.25	0.67	0.48	0.05	8.85	1.11	0.90	0.08
6.30	0.68	0.48	0.05	8.90	1.12	0.91	0.08
6.35	0.68	0.49	0.05	8.95	1.13	0.92	0.08
6.40	0.69	0.50	0.05	9.00	1.14	0.93	0.08
6.45	0.70	0.50	0.05	9.05	1.15	0.94	0.08
6.50	0.71	0.51	0.05	9.10	1.16	0.95	0.08
6.55	0.71	0.52	0.05	9.15	1.17	0.96	0.08
6.60	0.72	0.52	0.05	9.20	1.18	0.97	0.08
6.65	0.73	0.53	0.05	9.25	1.19	0.98	0.08
6.70	0.73	0.54	0.05	9.30	1.20	0.99	0.08
6.75	0.74	0.54	0.05	9.35	1.22	1.00	0.09
6.80	0.75	0.55	0.05	9.40	1.23	1.01	0.09
6.85	0.76	0.56	0.05	9.45	1.24	1.03	0.09
6.90	0.76	0.56	0.06	9.50	1.25	1.04	0.09
6.95	0.77	0.57	0.06	9.55	1.27	1.05	0.09
7.00	0.78	0.58	0.06	9.60	1.28	1.06	0.09
7.05	0.79	0.59	0.06	9.65	1.29	1.08	0.10
7.10	0.79	0.59	0.06	9.70	1.31	1.09	0.10
7.15	0.80	0.60	0.06	9.75	1.32	1.10	0.10
7.20	0.81	0.61	0.06	9.80	1.33	1.12	0.10
7.25	0.82	0.62	0.06	9.85	1.35	1.13	0.10
7.30	0.83	0.62	0.06	9.90	1.36	1.14	0.10
7.35	0.83	0.63	0.06	9.95	1.38	1.16	0.11
7.40	0.84	0.64	0.06	10.00	1.39	1.17	0.11
7.45	0.85	0.65	0.06	10.05	1.41	1.19	0.11
7.50	0.86	0.65	0.06	10.10	1.42	1.20	0.11
7.55	0.87	0.66	0.06	10.15	1.44	1.22	0.11

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	1.23	0.12	12.80	4.33	4.09	0.37
10.25	1.47	1.25	0.12	12.85	4.36	4.12	0.34
10.30	1.48	1.26	0.12	12.90	4.39	4.15	0.31
10.35	1.50	1.28	0.12	12.95	4.41	4.18	0.29
10.40	1.52	1.30	0.12	13.00	4.44	4.20	0.28
10.45	1.53	1.31	0.12	13.05	4.46	4.23	0.26
10.50	1.55	1.33	0.13	13.10	4.49	4.25	0.25
10.55	1.57	1.35	0.13	13.15	4.51	4.27	0.23
10.60	1.59	1.36	0.13	13.20	4.53	4.30	0.22
10.65	1.60	1.38	0.13	13.25	4.55	4.32	0.21
10.70	1.62	1.40	0.14	13.30	4.58	4.34	0.20
10.75	1.65	1.42	0.14	13.35	4.60	4.36	0.19
10.80	1.67	1.45	0.15	13.40	4.61	4.38	0.19
10.85	1.69	1.47	0.15	13.45	4.63	4.40	0.18
10.90	1.71	1.49	0.16	13.50	4.65	4.41	0.17
10.95	1.74	1.51	0.16	13.55	4.67	4.43	0.17
11.00	1.76	1.54	0.17	13.60	4.68	4.45	0.16
11.05	1.79	1.56	0.18	13.65	4.70	4.46	0.15
11.10	1.81	1.59	0.18	13.70	4.72	4.48	0.15
11.15	1.84	1.62	0.19	13.75	4.73	4.50	0.14
11.20	1.87	1.65	0.20	13.80	4.75	4.51	0.14
11.25	1.90	1.68	0.21	13.85	4.76	4.53	0.14
11.30	1.94	1.71	0.21	13.90	4.78	4.54	0.13
11.35	1.97	1.74	0.22	13.95	4.79	4.56	0.13
11.40	2.00	1.78	0.23	14.00	4.81	4.57	0.13
11.45	2.04	1.81	0.24	14.05	4.82	4.59	0.13
11.50	2.08	1.85	0.25	14.10	4.84	4.60	0.13
11.55	2.12	1.90	0.26	14.15	4.85	4.62	0.12
11.60	2.17	1.95	0.28	14.20	4.87	4.63	0.12
11.65	2.22	2.00	0.30	14.25	4.88	4.64	0.12
11.70	2.27	2.04	0.32	14.30	4.89	4.66	0.12
11.75	2.34	2.11	0.35	14.35	4.91	4.67	0.12
11.80	2.41	2.18	0.38	14.40	4.92	4.68	0.11
11.85	2.51	2.28	0.42	14.45	4.93	4.70	0.11
11.90	2.61	2.38	0.49	14.50	4.95	4.71	0.11
11.95	2.79	2.56	0.57	14.55	4.96	4.72	0.11
12.00	2.97	2.74	0.70	14.60	4.97	4.73	0.11
12.05	3.28	3.05	0.88	14.65	4.98	4.75	0.11
12.10	3.59	3.35	1.14	14.70	5.00	4.76	0.10
12.15	3.69	3.45	1.39	14.75	5.01	4.77	0.10
12.20	3.79	3.55	1.44	14.80	5.02	4.78	0.10
12.25	3.86	3.62	1.32	14.85	5.03	4.79	0.10
12.30	3.93	3.69	1.18	14.90	5.04	4.80	0.10
12.35	3.98	3.74	1.04	14.95	5.05	4.81	0.09
12.40	4.03	3.79	0.91	15.00	5.06	4.83	0.09
12.45	4.08	3.84	0.80	15.05	5.07	4.84	0.09
12.50	4.12	3.89	0.71	15.10	5.08	4.85	0.09
12.55	4.16	3.92	0.63	15.15	5.09	4.86	0.09
12.60	4.20	3.96	0.57	15.20	5.10	4.87	0.09
12.65	4.23	3.99	0.50	15.25	5.11	4.88	0.09
12.70	4.26	4.03	0.45	15.30	5.12	4.89	0.08
12.75	4.30	4.06	0.40	15.35	5.13	4.90	0.08

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	4.91	0.08	18.00	5.56	5.32	0.05
15.45	5.15	4.91	0.08	18.05	5.57	5.33	0.05
15.50	5.16	4.92	0.08	18.10	5.57	5.34	0.05
15.55	5.17	4.93	0.08	18.15	5.58	5.34	0.05
15.60	5.18	4.94	0.08	18.20	5.59	5.35	0.05
15.65	5.19	4.95	0.08	18.25	5.59	5.36	0.05
15.70	5.20	4.96	0.08	18.30	5.60	5.36	0.05
15.75	5.21	4.97	0.08	18.35	5.61	5.37	0.05
15.80	5.22	4.98	0.08	18.40	5.61	5.37	0.05
15.85	5.23	4.99	0.08	18.45	5.62	5.38	0.05
15.90	5.24	5.00	0.08	18.50	5.62	5.39	0.05
15.95	5.25	5.01	0.08	18.55	5.63	5.39	0.05
16.00	5.25	5.02	0.08	18.60	5.64	5.40	0.05
16.05	5.26	5.03	0.07	18.65	5.64	5.40	0.05
16.10	5.27	5.04	0.07	18.70	5.65	5.41	0.05
16.15	5.28	5.04	0.07	18.75	5.65	5.42	0.05
16.20	5.29	5.05	0.07	18.80	5.66	5.42	0.05
16.25	5.30	5.06	0.07	18.85	5.67	5.43	0.05
16.30	5.31	5.07	0.07	18.90	5.67	5.43	0.05
16.35	5.32	5.08	0.07	18.95	5.68	5.44	0.05
16.40	5.32	5.09	0.07	19.00	5.68	5.45	0.05
16.45	5.33	5.10	0.07	19.05	5.69	5.45	0.05
16.50	5.34	5.10	0.07	19.10	5.70	5.46	0.05
16.55	5.35	5.11	0.07	19.15	5.70	5.46	0.05
16.60	5.36	5.12	0.07	19.20	5.71	5.47	0.05
16.65	5.37	5.13	0.07	19.25	5.71	5.48	0.05
16.70	5.37	5.14	0.07	19.30	5.72	5.48	0.05
16.75	5.38	5.14	0.07	19.35	5.73	5.49	0.05
16.80	5.39	5.15	0.07	19.40	5.73	5.49	0.05
16.85	5.40	5.16	0.07	19.45	5.74	5.50	0.05
16.90	5.41	5.17	0.07	19.50	5.74	5.51	0.05
16.95	5.41	5.18	0.07	19.55	5.75	5.51	0.05
17.00	5.42	5.18	0.06	19.60	5.75	5.52	0.05
17.05	5.43	5.19	0.06	19.65	5.76	5.52	0.05
17.10	5.44	5.20	0.06	19.70	5.77	5.53	0.05
17.15	5.44	5.21	0.06	19.75	5.77	5.53	0.05
17.20	5.45	5.21	0.06	19.80	5.78	5.54	0.05
17.25	5.46	5.22	0.06	19.85	5.78	5.55	0.05
17.30	5.47	5.23	0.06	19.90	5.79	5.55	0.05
17.35	5.47	5.24	0.06	19.95	5.79	5.56	0.05
17.40	5.48	5.24	0.06	20.00	5.80	5.56	0.05
17.45	5.49	5.25	0.06	20.05	5.81	5.57	0.05
17.50	5.49	5.26	0.06	20.10	5.81	5.57	0.05
17.55	5.50	5.26	0.06	20.15	5.82	5.58	0.05
17.60	5.51	5.27	0.06	20.20	5.82	5.58	0.05
17.65	5.52	5.28	0.06	20.25	5.83	5.59	0.05
17.70	5.52	5.28	0.06	20.30	5.83	5.60	0.05
17.75	5.53	5.29	0.06	20.35	5.84	5.60	0.05
17.80	5.54	5.30	0.06	20.40	5.85	5.61	0.05
17.85	5.54	5.30	0.06	20.45	5.85	5.61	0.05
17.90	5.55	5.31	0.05	20.50	5.86	5.62	0.04
17.95	5.55	5.32	0.05	20.55	5.86	5.62	0.04

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	5.63	0.04	23.20	6.13	5.89	0.04
20.65	5.87	5.63	0.04	23.25	6.13	5.89	0.04
20.70	5.88	5.64	0.04	23.30	6.14	5.90	0.04
20.75	5.88	5.65	0.04	23.35	6.14	5.90	0.04
20.80	5.89	5.65	0.04	23.40	6.15	5.91	0.04
20.85	5.89	5.66	0.04	23.45	6.15	5.91	0.04
20.90	5.90	5.66	0.04	23.50	6.16	5.92	0.04
20.95	5.90	5.67	0.04	23.55	6.16	5.92	0.04
21.00	5.91	5.67	0.04	23.60	6.16	5.93	0.04
21.05	5.92	5.68	0.04	23.65	6.17	5.93	0.04
21.10	5.92	5.68	0.04	23.70	6.17	5.94	0.04
21.15	5.93	5.69	0.04	23.75	6.18	5.94	0.04
21.20	5.93	5.69	0.04	23.80	6.18	5.94	0.04
21.25	5.94	5.70	0.04	23.85	6.19	5.95	0.04
21.30	5.94	5.70	0.04	23.90	6.19	5.95	0.04
21.35	5.95	5.71	0.04	23.95	6.20	5.96	0.04
21.40	5.95	5.71	0.04	24.00	6.20	5.96	0.04
21.45	5.96	5.72	0.04	24.05	6.20	5.96	0.04
21.50	5.96	5.72	0.04	24.10	6.20	5.96	0.03
21.55	5.97	5.73	0.04	24.15	6.20	5.96	0.02
21.60	5.97	5.73	0.04	24.20	6.20	5.96	0.02
21.65	5.98	5.74	0.04	24.25	6.20	5.96	0.01
21.70	5.98	5.74	0.04	24.30	6.20	5.96	0.01
21.75	5.99	5.75	0.04	24.35	6.20	5.96	0.01
21.80	5.99	5.75	0.04	24.40	6.20	5.96	0.01
21.85	6.00	5.76	0.04	24.45	6.20	5.96	0.00
21.90	6.00	5.77	0.04	24.50	6.20	5.96	0.00
21.95	6.01	5.77	0.04	24.55	6.20	5.96	0.00
22.00	6.01	5.78	0.04	24.60	6.20	5.96	0.00
22.05	6.02	5.78	0.04	24.65	6.20	5.96	0.00
22.10	6.02	5.78	0.04	24.70	6.20	5.96	0.00
22.15	6.03	5.79	0.04	24.75	6.20	5.96	0.00
22.20	6.03	5.79	0.04	24.80	6.20	5.96	0.00
22.25	6.04	5.80	0.04	24.85	6.20	5.96	0.00
22.30	6.04	5.80	0.04	24.90	6.20	5.96	0.00
22.35	6.05	5.81	0.04	24.95	6.20	5.96	0.00
22.40	6.05	5.81	0.04	25.00	6.20	5.96	0.00
22.45	6.06	5.82	0.04	25.05	6.20	5.96	0.00
22.50	6.06	5.82	0.04	25.10	6.20	5.96	0.00
22.55	6.07	5.83	0.04	25.15	6.20	5.96	0.00
22.60	6.07	5.83	0.04	25.20	6.20	5.96	0.00
22.65	6.08	5.84	0.04	25.25	6.20	5.96	0.00
22.70	6.08	5.84	0.04	25.30	6.20	5.96	0.00
22.75	6.09	5.85	0.04	25.35	6.20	5.96	0.00
22.80	6.09	5.85	0.04	25.40	6.20	5.96	0.00
22.85	6.10	5.86	0.04	25.45	6.20	5.96	0.00
22.90	6.10	5.86	0.04	25.50	6.20	5.96	0.00
22.95	6.11	5.87	0.04	25.55	6.20	5.96	0.00
23.00	6.11	5.87	0.04	25.60	6.20	5.96	0.00
23.05	6.11	5.88	0.04	25.65	6.20	5.96	0.00
23.10	6.12	5.88	0.04	25.70	6.20	5.96	0.00
23.15	6.12	5.89	0.04	25.75	6.20	5.96	0.00

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	5.96	0.00	28.40	6.20	5.96	0.00
25.85	6.20	5.96	0.00	28.45	6.20	5.96	0.00
25.90	6.20	5.96	0.00	28.50	6.20	5.96	0.00
25.95	6.20	5.96	0.00	28.55	6.20	5.96	0.00
26.00	6.20	5.96	0.00	28.60	6.20	5.96	0.00
26.05	6.20	5.96	0.00	28.65	6.20	5.96	0.00
26.10	6.20	5.96	0.00	28.70	6.20	5.96	0.00
26.15	6.20	5.96	0.00	28.75	6.20	5.96	0.00
26.20	6.20	5.96	0.00	28.80	6.20	5.96	0.00
26.25	6.20	5.96	0.00	28.85	6.20	5.96	0.00
26.30	6.20	5.96	0.00	28.90	6.20	5.96	0.00
26.35	6.20	5.96	0.00	28.95	6.20	5.96	0.00
26.40	6.20	5.96	0.00	29.00	6.20	5.96	0.00
26.45	6.20	5.96	0.00	29.05	6.20	5.96	0.00
26.50	6.20	5.96	0.00	29.10	6.20	5.96	0.00
26.55	6.20	5.96	0.00	29.15	6.20	5.96	0.00
26.60	6.20	5.96	0.00	29.20	6.20	5.96	0.00
26.65	6.20	5.96	0.00	29.25	6.20	5.96	0.00
26.70	6.20	5.96	0.00	29.30	6.20	5.96	0.00
26.75	6.20	5.96	0.00	29.35	6.20	5.96	0.00
26.80	6.20	5.96	0.00	29.40	6.20	5.96	0.00
26.85	6.20	5.96	0.00	29.45	6.20	5.96	0.00
26.90	6.20	5.96	0.00	29.50	6.20	5.96	0.00
26.95	6.20	5.96	0.00	29.55	6.20	5.96	0.00
27.00	6.20	5.96	0.00	29.60	6.20	5.96	0.00
27.05	6.20	5.96	0.00	29.65	6.20	5.96	0.00
27.10	6.20	5.96	0.00	29.70	6.20	5.96	0.00
27.15	6.20	5.96	0.00	29.75	6.20	5.96	0.00
27.20	6.20	5.96	0.00	29.80	6.20	5.96	0.00
27.25	6.20	5.96	0.00	29.85	6.20	5.96	0.00
27.30	6.20	5.96	0.00	29.90	6.20	5.96	0.00
27.35	6.20	5.96	0.00	29.95	6.20	5.96	0.00
27.40	6.20	5.96	0.00	30.00	6.20	5.96	0.00
27.45	6.20	5.96	0.00				
27.50	6.20	5.96	0.00				
27.55	6.20	5.96	0.00				
27.60	6.20	5.96	0.00				
27.65	6.20	5.96	0.00				
27.70	6.20	5.96	0.00				
27.75	6.20	5.96	0.00				
27.80	6.20	5.96	0.00				
27.85	6.20	5.96	0.00				
27.90	6.20	5.96	0.00				
27.95	6.20	5.96	0.00				
28.00	6.20	5.96	0.00				
28.05	6.20	5.96	0.00				
28.10	6.20	5.96	0.00				
28.15	6.20	5.96	0.00				
28.20	6.20	5.96	0.00				
28.25	6.20	5.96	0.00				
28.30	6.20	5.96	0.00				
28.35	6.20	5.96	0.00				

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Summary for Subcatchment Basin 6 Pervious: Basin 6 - Pervious

Runoff = 0.12 cfs @ 13.15 hrs, Volume= 0.063 af, Depth= 0.50"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 1.500	39	lawn, A soils
1.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.52	0.00	0.00	7.60	0.88	0.00	0.00
5.05	0.52	0.00	0.00	7.65	0.88	0.00	0.00
5.10	0.53	0.00	0.00	7.70	0.89	0.00	0.00
5.15	0.53	0.00	0.00	7.75	0.90	0.00	0.00
5.20	0.54	0.00	0.00	7.80	0.91	0.00	0.00
5.25	0.55	0.00	0.00	7.85	0.92	0.00	0.00
5.30	0.55	0.00	0.00	7.90	0.93	0.00	0.00
5.35	0.56	0.00	0.00	7.95	0.94	0.00	0.00
5.40	0.56	0.00	0.00	8.00	0.95	0.00	0.00
5.45	0.57	0.00	0.00	8.05	0.95	0.00	0.00
5.50	0.58	0.00	0.00	8.10	0.96	0.00	0.00
5.55	0.58	0.00	0.00	8.15	0.97	0.00	0.00
5.60	0.59	0.00	0.00	8.20	0.98	0.00	0.00
5.65	0.59	0.00	0.00	8.25	0.99	0.00	0.00
5.70	0.60	0.00	0.00	8.30	1.00	0.00	0.00
5.75	0.61	0.00	0.00	8.35	1.01	0.00	0.00
5.80	0.61	0.00	0.00	8.40	1.02	0.00	0.00
5.85	0.62	0.00	0.00	8.45	1.03	0.00	0.00
5.90	0.63	0.00	0.00	8.50	1.04	0.00	0.00
5.95	0.63	0.00	0.00	8.55	1.05	0.00	0.00
6.00	0.64	0.00	0.00	8.60	1.06	0.00	0.00
6.05	0.65	0.00	0.00	8.65	1.07	0.00	0.00
6.10	0.65	0.00	0.00	8.70	1.08	0.00	0.00
6.15	0.66	0.00	0.00	8.75	1.09	0.00	0.00
6.20	0.66	0.00	0.00	8.80	1.10	0.00	0.00
6.25	0.67	0.00	0.00	8.85	1.11	0.00	0.00
6.30	0.68	0.00	0.00	8.90	1.12	0.00	0.00
6.35	0.68	0.00	0.00	8.95	1.13	0.00	0.00
6.40	0.69	0.00	0.00	9.00	1.14	0.00	0.00
6.45	0.70	0.00	0.00	9.05	1.15	0.00	0.00
6.50	0.71	0.00	0.00	9.10	1.16	0.00	0.00
6.55	0.71	0.00	0.00	9.15	1.17	0.00	0.00
6.60	0.72	0.00	0.00	9.20	1.18	0.00	0.00
6.65	0.73	0.00	0.00	9.25	1.19	0.00	0.00
6.70	0.73	0.00	0.00	9.30	1.20	0.00	0.00
6.75	0.74	0.00	0.00	9.35	1.22	0.00	0.00
6.80	0.75	0.00	0.00	9.40	1.23	0.00	0.00
6.85	0.76	0.00	0.00	9.45	1.24	0.00	0.00
6.90	0.76	0.00	0.00	9.50	1.25	0.00	0.00
6.95	0.77	0.00	0.00	9.55	1.27	0.00	0.00
7.00	0.78	0.00	0.00	9.60	1.28	0.00	0.00
7.05	0.79	0.00	0.00	9.65	1.29	0.00	0.00
7.10	0.79	0.00	0.00	9.70	1.31	0.00	0.00
7.15	0.80	0.00	0.00	9.75	1.32	0.00	0.00
7.20	0.81	0.00	0.00	9.80	1.33	0.00	0.00
7.25	0.82	0.00	0.00	9.85	1.35	0.00	0.00
7.30	0.83	0.00	0.00	9.90	1.36	0.00	0.00
7.35	0.83	0.00	0.00	9.95	1.38	0.00	0.00
7.40	0.84	0.00	0.00	10.00	1.39	0.00	0.00
7.45	0.85	0.00	0.00	10.05	1.41	0.00	0.00
7.50	0.86	0.00	0.00	10.10	1.42	0.00	0.00
7.55	0.87	0.00	0.00	10.15	1.44	0.00	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	1.45	0.00	0.00	12.80	4.33	0.09	0.11
10.25	1.47	0.00	0.00	12.85	4.36	0.09	0.11
10.30	1.48	0.00	0.00	12.90	4.39	0.09	0.12
10.35	1.50	0.00	0.00	12.95	4.41	0.10	0.12
10.40	1.52	0.00	0.00	13.00	4.44	0.10	0.12
10.45	1.53	0.00	0.00	13.05	4.46	0.10	0.12
10.50	1.55	0.00	0.00	13.10	4.49	0.11	0.12
10.55	1.57	0.00	0.00	13.15	4.51	0.11	0.12
10.60	1.59	0.00	0.00	13.20	4.53	0.12	0.12
10.65	1.60	0.00	0.00	13.25	4.55	0.12	0.12
10.70	1.62	0.00	0.00	13.30	4.58	0.12	0.12
10.75	1.65	0.00	0.00	13.35	4.60	0.13	0.12
10.80	1.67	0.00	0.00	13.40	4.61	0.13	0.12
10.85	1.69	0.00	0.00	13.45	4.63	0.13	0.12
10.90	1.71	0.00	0.00	13.50	4.65	0.14	0.11
10.95	1.74	0.00	0.00	13.55	4.67	0.14	0.11
11.00	1.76	0.00	0.00	13.60	4.68	0.14	0.11
11.05	1.79	0.00	0.00	13.65	4.70	0.14	0.11
11.10	1.81	0.00	0.00	13.70	4.72	0.15	0.11
11.15	1.84	0.00	0.00	13.75	4.73	0.15	0.11
11.20	1.87	0.00	0.00	13.80	4.75	0.15	0.11
11.25	1.90	0.00	0.00	13.85	4.76	0.15	0.10
11.30	1.94	0.00	0.00	13.90	4.78	0.16	0.10
11.35	1.97	0.00	0.00	13.95	4.79	0.16	0.10
11.40	2.00	0.00	0.00	14.00	4.81	0.16	0.10
11.45	2.04	0.00	0.00	14.05	4.82	0.17	0.10
11.50	2.08	0.00	0.00	14.10	4.84	0.17	0.10
11.55	2.12	0.00	0.00	14.15	4.85	0.17	0.10
11.60	2.17	0.00	0.00	14.20	4.87	0.17	0.09
11.65	2.22	0.00	0.00	14.25	4.88	0.18	0.09
11.70	2.27	0.00	0.00	14.30	4.89	0.18	0.09
11.75	2.34	0.00	0.00	14.35	4.91	0.18	0.09
11.80	2.41	0.00	0.00	14.40	4.92	0.18	0.09
11.85	2.51	0.00	0.00	14.45	4.93	0.19	0.09
11.90	2.61	0.00	0.00	14.50	4.95	0.19	0.09
11.95	2.79	0.00	0.00	14.55	4.96	0.19	0.09
12.00	2.97	0.00	0.00	14.60	4.97	0.19	0.09
12.05	3.28	0.00	0.00	14.65	4.98	0.20	0.09
12.10	3.59	0.01	0.00	14.70	5.00	0.20	0.08
12.15	3.69	0.02	0.00	14.75	5.01	0.20	0.08
12.20	3.79	0.03	0.01	14.80	5.02	0.20	0.08
12.25	3.86	0.03	0.02	14.85	5.03	0.21	0.08
12.30	3.93	0.04	0.03	14.90	5.04	0.21	0.08
12.35	3.98	0.04	0.05	14.95	5.05	0.21	0.08
12.40	4.03	0.05	0.06	15.00	5.06	0.21	0.08
12.45	4.08	0.05	0.07	15.05	5.07	0.21	0.08
12.50	4.12	0.06	0.08	15.10	5.08	0.22	0.08
12.55	4.16	0.06	0.09	15.15	5.09	0.22	0.08
12.60	4.20	0.07	0.10	15.20	5.10	0.22	0.08
12.65	4.23	0.07	0.10	15.25	5.11	0.22	0.07
12.70	4.26	0.08	0.11	15.30	5.12	0.23	0.07
12.75	4.30	0.08	0.11	15.35	5.13	0.23	0.07

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	5.14	0.23	0.07	18.00	5.56	0.33	0.05
15.45	5.15	0.23	0.07	18.05	5.57	0.33	0.05
15.50	5.16	0.23	0.07	18.10	5.57	0.33	0.05
15.55	5.17	0.24	0.07	18.15	5.58	0.33	0.05
15.60	5.18	0.24	0.07	18.20	5.59	0.33	0.05
15.65	5.19	0.24	0.07	18.25	5.59	0.34	0.05
15.70	5.20	0.24	0.07	18.30	5.60	0.34	0.05
15.75	5.21	0.24	0.07	18.35	5.61	0.34	0.05
15.80	5.22	0.25	0.07	18.40	5.61	0.34	0.05
15.85	5.23	0.25	0.07	18.45	5.62	0.34	0.05
15.90	5.24	0.25	0.07	18.50	5.62	0.34	0.05
15.95	5.25	0.25	0.07	18.55	5.63	0.34	0.05
16.00	5.25	0.25	0.07	18.60	5.64	0.35	0.05
16.05	5.26	0.26	0.07	18.65	5.64	0.35	0.05
16.10	5.27	0.26	0.06	18.70	5.65	0.35	0.05
16.15	5.28	0.26	0.06	18.75	5.65	0.35	0.05
16.20	5.29	0.26	0.06	18.80	5.66	0.35	0.05
16.25	5.30	0.26	0.06	18.85	5.67	0.35	0.05
16.30	5.31	0.27	0.06	18.90	5.67	0.36	0.05
16.35	5.32	0.27	0.06	18.95	5.68	0.36	0.05
16.40	5.32	0.27	0.06	19.00	5.68	0.36	0.05
16.45	5.33	0.27	0.06	19.05	5.69	0.36	0.05
16.50	5.34	0.27	0.06	19.10	5.70	0.36	0.05
16.55	5.35	0.28	0.06	19.15	5.70	0.36	0.05
16.60	5.36	0.28	0.06	19.20	5.71	0.37	0.05
16.65	5.37	0.28	0.06	19.25	5.71	0.37	0.05
16.70	5.37	0.28	0.06	19.30	5.72	0.37	0.05
16.75	5.38	0.28	0.06	19.35	5.73	0.37	0.05
16.80	5.39	0.29	0.06	19.40	5.73	0.37	0.05
16.85	5.40	0.29	0.06	19.45	5.74	0.37	0.05
16.90	5.41	0.29	0.06	19.50	5.74	0.37	0.05
16.95	5.41	0.29	0.06	19.55	5.75	0.38	0.05
17.00	5.42	0.29	0.06	19.60	5.75	0.38	0.05
17.05	5.43	0.30	0.06	19.65	5.76	0.38	0.05
17.10	5.44	0.30	0.06	19.70	5.77	0.38	0.05
17.15	5.44	0.30	0.06	19.75	5.77	0.38	0.05
17.20	5.45	0.30	0.06	19.80	5.78	0.38	0.05
17.25	5.46	0.30	0.06	19.85	5.78	0.39	0.05
17.30	5.47	0.30	0.06	19.90	5.79	0.39	0.05
17.35	5.47	0.31	0.06	19.95	5.79	0.39	0.05
17.40	5.48	0.31	0.06	20.00	5.80	0.39	0.05
17.45	5.49	0.31	0.06	20.05	5.81	0.39	0.05
17.50	5.49	0.31	0.06	20.10	5.81	0.39	0.05
17.55	5.50	0.31	0.06	20.15	5.82	0.39	0.05
17.60	5.51	0.31	0.06	20.20	5.82	0.40	0.05
17.65	5.52	0.32	0.06	20.25	5.83	0.40	0.05
17.70	5.52	0.32	0.06	20.30	5.83	0.40	0.05
17.75	5.53	0.32	0.06	20.35	5.84	0.40	0.05
17.80	5.54	0.32	0.05	20.40	5.85	0.40	0.05
17.85	5.54	0.32	0.05	20.45	5.85	0.40	0.05
17.90	5.55	0.32	0.05	20.50	5.86	0.41	0.05
17.95	5.55	0.33	0.05	20.55	5.86	0.41	0.05

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	5.87	0.41	0.05	23.20	6.13	0.48	0.04
20.65	5.87	0.41	0.05	23.25	6.13	0.48	0.04
20.70	5.88	0.41	0.05	23.30	6.14	0.49	0.04
20.75	5.88	0.41	0.05	23.35	6.14	0.49	0.04
20.80	5.89	0.41	0.05	23.40	6.15	0.49	0.04
20.85	5.89	0.42	0.05	23.45	6.15	0.49	0.04
20.90	5.90	0.42	0.05	23.50	6.16	0.49	0.04
20.95	5.90	0.42	0.05	23.55	6.16	0.49	0.04
21.00	5.91	0.42	0.05	23.60	6.16	0.49	0.04
21.05	5.92	0.42	0.05	23.65	6.17	0.49	0.04
21.10	5.92	0.42	0.05	23.70	6.17	0.50	0.04
21.15	5.93	0.42	0.05	23.75	6.18	0.50	0.04
21.20	5.93	0.43	0.05	23.80	6.18	0.50	0.04
21.25	5.94	0.43	0.05	23.85	6.19	0.50	0.04
21.30	5.94	0.43	0.05	23.90	6.19	0.50	0.04
21.35	5.95	0.43	0.05	23.95	6.20	0.50	0.04
21.40	5.95	0.43	0.05	24.00	6.20	0.50	0.04
21.45	5.96	0.43	0.05	24.05	6.20	0.50	0.04
21.50	5.96	0.43	0.05	24.10	6.20	0.50	0.04
21.55	5.97	0.44	0.05	24.15	6.20	0.50	0.04
21.60	5.97	0.44	0.05	24.20	6.20	0.50	0.04
21.65	5.98	0.44	0.04	24.25	6.20	0.50	0.04
21.70	5.98	0.44	0.04	24.30	6.20	0.50	0.03
21.75	5.99	0.44	0.04	24.35	6.20	0.50	0.03
21.80	5.99	0.44	0.04	24.40	6.20	0.50	0.03
21.85	6.00	0.44	0.04	24.45	6.20	0.50	0.03
21.90	6.00	0.45	0.04	24.50	6.20	0.50	0.02
21.95	6.01	0.45	0.04	24.55	6.20	0.50	0.02
22.00	6.01	0.45	0.04	24.60	6.20	0.50	0.02
22.05	6.02	0.45	0.04	24.65	6.20	0.50	0.02
22.10	6.02	0.45	0.04	24.70	6.20	0.50	0.02
22.15	6.03	0.45	0.04	24.75	6.20	0.50	0.01
22.20	6.03	0.45	0.04	24.80	6.20	0.50	0.01
22.25	6.04	0.46	0.04	24.85	6.20	0.50	0.01
22.30	6.04	0.46	0.04	24.90	6.20	0.50	0.01
22.35	6.05	0.46	0.04	24.95	6.20	0.50	0.01
22.40	6.05	0.46	0.04	25.00	6.20	0.50	0.01
22.45	6.06	0.46	0.04	25.05	6.20	0.50	0.01
22.50	6.06	0.46	0.04	25.10	6.20	0.50	0.01
22.55	6.07	0.46	0.04	25.15	6.20	0.50	0.01
22.60	6.07	0.47	0.04	25.20	6.20	0.50	0.01
22.65	6.08	0.47	0.04	25.25	6.20	0.50	0.01
22.70	6.08	0.47	0.04	25.30	6.20	0.50	0.00
22.75	6.09	0.47	0.04	25.35	6.20	0.50	0.00
22.80	6.09	0.47	0.04	25.40	6.20	0.50	0.00
22.85	6.10	0.47	0.04	25.45	6.20	0.50	0.00
22.90	6.10	0.47	0.04	25.50	6.20	0.50	0.00
22.95	6.11	0.48	0.04	25.55	6.20	0.50	0.00
23.00	6.11	0.48	0.04	25.60	6.20	0.50	0.00
23.05	6.11	0.48	0.04	25.65	6.20	0.50	0.00
23.10	6.12	0.48	0.04	25.70	6.20	0.50	0.00
23.15	6.12	0.48	0.04	25.75	6.20	0.50	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	6.20	0.50	0.00	28.40	6.20	0.50	0.00
25.85	6.20	0.50	0.00	28.45	6.20	0.50	0.00
25.90	6.20	0.50	0.00	28.50	6.20	0.50	0.00
25.95	6.20	0.50	0.00	28.55	6.20	0.50	0.00
26.00	6.20	0.50	0.00	28.60	6.20	0.50	0.00
26.05	6.20	0.50	0.00	28.65	6.20	0.50	0.00
26.10	6.20	0.50	0.00	28.70	6.20	0.50	0.00
26.15	6.20	0.50	0.00	28.75	6.20	0.50	0.00
26.20	6.20	0.50	0.00	28.80	6.20	0.50	0.00
26.25	6.20	0.50	0.00	28.85	6.20	0.50	0.00
26.30	6.20	0.50	0.00	28.90	6.20	0.50	0.00
26.35	6.20	0.50	0.00	28.95	6.20	0.50	0.00
26.40	6.20	0.50	0.00	29.00	6.20	0.50	0.00
26.45	6.20	0.50	0.00	29.05	6.20	0.50	0.00
26.50	6.20	0.50	0.00	29.10	6.20	0.50	0.00
26.55	6.20	0.50	0.00	29.15	6.20	0.50	0.00
26.60	6.20	0.50	0.00	29.20	6.20	0.50	0.00
26.65	6.20	0.50	0.00	29.25	6.20	0.50	0.00
26.70	6.20	0.50	0.00	29.30	6.20	0.50	0.00
26.75	6.20	0.50	0.00	29.35	6.20	0.50	0.00
26.80	6.20	0.50	0.00	29.40	6.20	0.50	0.00
26.85	6.20	0.50	0.00	29.45	6.20	0.50	0.00
26.90	6.20	0.50	0.00	29.50	6.20	0.50	0.00
26.95	6.20	0.50	0.00	29.55	6.20	0.50	0.00
27.00	6.20	0.50	0.00	29.60	6.20	0.50	0.00
27.05	6.20	0.50	0.00	29.65	6.20	0.50	0.00
27.10	6.20	0.50	0.00	29.70	6.20	0.50	0.00
27.15	6.20	0.50	0.00	29.75	6.20	0.50	0.00
27.20	6.20	0.50	0.00	29.80	6.20	0.50	0.00
27.25	6.20	0.50	0.00	29.85	6.20	0.50	0.00
27.30	6.20	0.50	0.00	29.90	6.20	0.50	0.00
27.35	6.20	0.50	0.00	29.95	6.20	0.50	0.00
27.40	6.20	0.50	0.00	30.00	6.20	0.50	0.00
27.45	6.20	0.50	0.00				
27.50	6.20	0.50	0.00				
27.55	6.20	0.50	0.00				
27.60	6.20	0.50	0.00				
27.65	6.20	0.50	0.00				
27.70	6.20	0.50	0.00				
27.75	6.20	0.50	0.00				
27.80	6.20	0.50	0.00				
27.85	6.20	0.50	0.00				
27.90	6.20	0.50	0.00				
27.95	6.20	0.50	0.00				
28.00	6.20	0.50	0.00				
28.05	6.20	0.50	0.00				
28.10	6.20	0.50	0.00				
28.15	6.20	0.50	0.00				
28.20	6.20	0.50	0.00				
28.25	6.20	0.50	0.00				
28.30	6.20	0.50	0.00				
28.35	6.20	0.50	0.00				

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Summary for Reach Site: Site

Inflow Area = 17.000 ac, 29.12% Impervious, Inflow Depth = 0.05" for 25 Year event
Inflow = 0.25 cfs @ 13.58 hrs, Volume= 0.068 af
Outflow = 0.25 cfs @ 13.58 hrs, Volume= 0.068 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs

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Hydrograph for Reach Site: Site

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
5.00	0.00		0.00	7.60	0.00		0.00
5.05	0.00		0.00	7.65	0.00		0.00
5.10	0.00		0.00	7.70	0.00		0.00
5.15	0.00		0.00	7.75	0.00		0.00
5.20	0.00		0.00	7.80	0.00		0.00
5.25	0.00		0.00	7.85	0.00		0.00
5.30	0.00		0.00	7.90	0.00		0.00
5.35	0.00		0.00	7.95	0.00		0.00
5.40	0.00		0.00	8.00	0.00		0.00
5.45	0.00		0.00	8.05	0.00		0.00
5.50	0.00		0.00	8.10	0.00		0.00
5.55	0.00		0.00	8.15	0.00		0.00
5.60	0.00		0.00	8.20	0.00		0.00
5.65	0.00		0.00	8.25	0.00		0.00
5.70	0.00		0.00	8.30	0.00		0.00
5.75	0.00		0.00	8.35	0.00		0.00
5.80	0.00		0.00	8.40	0.00		0.00
5.85	0.00		0.00	8.45	0.00		0.00
5.90	0.00		0.00	8.50	0.00		0.00
5.95	0.00		0.00	8.55	0.00		0.00
6.00	0.00		0.00	8.60	0.00		0.00
6.05	0.00		0.00	8.65	0.00		0.00
6.10	0.00		0.00	8.70	0.00		0.00
6.15	0.00		0.00	8.75	0.00		0.00
6.20	0.00		0.00	8.80	0.00		0.00
6.25	0.00		0.00	8.85	0.00		0.00
6.30	0.00		0.00	8.90	0.00		0.00
6.35	0.00		0.00	8.95	0.00		0.00
6.40	0.00		0.00	9.00	0.00		0.00
6.45	0.00		0.00	9.05	0.00		0.00
6.50	0.00		0.00	9.10	0.00		0.00
6.55	0.00		0.00	9.15	0.00		0.00
6.60	0.00		0.00	9.20	0.00		0.00
6.65	0.00		0.00	9.25	0.00		0.00
6.70	0.00		0.00	9.30	0.00		0.00
6.75	0.00		0.00	9.35	0.00		0.00
6.80	0.00		0.00	9.40	0.00		0.00
6.85	0.00		0.00	9.45	0.00		0.00
6.90	0.00		0.00	9.50	0.00		0.00
6.95	0.00		0.00	9.55	0.00		0.00
7.00	0.00		0.00	9.60	0.00		0.00
7.05	0.00		0.00	9.65	0.00		0.00
7.10	0.00		0.00	9.70	0.00		0.00
7.15	0.00		0.00	9.75	0.00		0.00
7.20	0.00		0.00	9.80	0.00		0.00
7.25	0.00		0.00	9.85	0.00		0.00
7.30	0.00		0.00	9.90	0.00		0.00
7.35	0.00		0.00	9.95	0.00		0.00
7.40	0.00		0.00	10.00	0.00		0.00
7.45	0.00		0.00	10.05	0.00		0.00
7.50	0.00		0.00	10.10	0.00		0.00
7.55	0.00		0.00	10.15	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
10.20	0.00		0.00	12.80	0.18		0.18
10.25	0.00		0.00	12.85	0.19		0.19
10.30	0.00		0.00	12.90	0.20		0.20
10.35	0.00		0.00	12.95	0.21		0.21
10.40	0.00		0.00	13.00	0.21		0.21
10.45	0.00		0.00	13.05	0.22		0.22
10.50	0.00		0.00	13.10	0.22		0.22
10.55	0.00		0.00	13.15	0.23		0.23
10.60	0.00		0.00	13.20	0.23		0.23
10.65	0.00		0.00	13.25	0.24		0.24
10.70	0.00		0.00	13.30	0.24		0.24
10.75	0.00		0.00	13.35	0.24		0.24
10.80	0.00		0.00	13.40	0.24		0.24
10.85	0.00		0.00	13.45	0.25		0.25
10.90	0.00		0.00	13.50	0.25		0.25
10.95	0.00		0.00	13.55	0.25		0.25
11.00	0.00		0.00	13.60	0.25		0.25
11.05	0.00		0.00	13.65	0.25		0.25
11.10	0.00		0.00	13.70	0.25		0.25
11.15	0.00		0.00	13.75	0.24		0.24
11.20	0.00		0.00	13.80	0.24		0.24
11.25	0.00		0.00	13.85	0.24		0.24
11.30	0.00		0.00	13.90	0.24		0.24
11.35	0.00		0.00	13.95	0.24		0.24
11.40	0.00		0.00	14.00	0.24		0.24
11.45	0.00		0.00	14.05	0.23		0.23
11.50	0.00		0.00	14.10	0.23		0.23
11.55	0.00		0.00	14.15	0.23		0.23
11.60	0.00		0.00	14.20	0.23		0.23
11.65	0.00		0.00	14.25	0.22		0.22
11.70	0.00		0.00	14.30	0.22		0.22
11.75	0.00		0.00	14.35	0.22		0.22
11.80	0.00		0.00	14.40	0.21		0.21
11.85	0.00		0.00	14.45	0.21		0.21
11.90	0.00		0.00	14.50	0.21		0.21
11.95	0.00		0.00	14.55	0.21		0.21
12.00	0.00		0.00	14.60	0.20		0.20
12.05	0.00		0.00	14.65	0.20		0.20
12.10	0.00		0.00	14.70	0.20		0.20
12.15	0.00		0.00	14.75	0.19		0.19
12.20	0.00		0.00	14.80	0.19		0.19
12.25	0.02		0.02	14.85	0.19		0.19
12.30	0.06		0.06	14.90	0.18		0.18
12.35	0.09		0.09	14.95	0.18		0.18
12.40	0.11		0.11	15.00	0.18		0.18
12.45	0.13		0.13	15.05	0.17		0.17
12.50	0.14		0.14	15.10	0.17		0.17
12.55	0.15		0.15	15.15	0.17		0.17
12.60	0.15		0.15	15.20	0.17		0.17
12.65	0.16		0.16	15.25	0.16		0.16
12.70	0.17		0.17	15.30	0.16		0.16
12.75	0.17		0.17	15.35	0.16		0.16

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
15.40	0.15		0.15	18.00	0.01		0.01
15.45	0.15		0.15	18.05	0.01		0.01
15.50	0.14		0.14	18.10	0.01		0.01
15.55	0.14		0.14	18.15	0.01		0.01
15.60	0.14		0.14	18.20	0.00		0.00
15.65	0.13		0.13	18.25	0.00		0.00
15.70	0.13		0.13	18.30	0.00		0.00
15.75	0.13		0.13	18.35	0.00		0.00
15.80	0.13		0.13	18.40	0.00		0.00
15.85	0.12		0.12	18.45	0.00		0.00
15.90	0.12		0.12	18.50	0.00		0.00
15.95	0.12		0.12	18.55	0.00		0.00
16.00	0.12		0.12	18.60	0.00		0.00
16.05	0.11		0.11	18.65	0.00		0.00
16.10	0.11		0.11	18.70	0.00		0.00
16.15	0.11		0.11	18.75	0.00		0.00
16.20	0.10		0.10	18.80	0.00		0.00
16.25	0.10		0.10	18.85	0.00		0.00
16.30	0.10		0.10	18.90	0.00		0.00
16.35	0.10		0.10	18.95	0.00		0.00
16.40	0.09		0.09	19.00	0.00		0.00
16.45	0.09		0.09	19.05	0.00		0.00
16.50	0.09		0.09	19.10	0.00		0.00
16.55	0.09		0.09	19.15	0.00		0.00
16.60	0.08		0.08	19.20	0.00		0.00
16.65	0.08		0.08	19.25	0.00		0.00
16.70	0.08		0.08	19.30	0.00		0.00
16.75	0.08		0.08	19.35	0.00		0.00
16.80	0.07		0.07	19.40	0.00		0.00
16.85	0.07		0.07	19.45	0.00		0.00
16.90	0.07		0.07	19.50	0.00		0.00
16.95	0.06		0.06	19.55	0.00		0.00
17.00	0.06		0.06	19.60	0.00		0.00
17.05	0.06		0.06	19.65	0.00		0.00
17.10	0.05		0.05	19.70	0.00		0.00
17.15	0.05		0.05	19.75	0.00		0.00
17.20	0.05		0.05	19.80	0.00		0.00
17.25	0.04		0.04	19.85	0.00		0.00
17.30	0.04		0.04	19.90	0.00		0.00
17.35	0.04		0.04	19.95	0.00		0.00
17.40	0.04		0.04	20.00	0.00		0.00
17.45	0.03		0.03	20.05	0.00		0.00
17.50	0.03		0.03	20.10	0.00		0.00
17.55	0.03		0.03	20.15	0.00		0.00
17.60	0.03		0.03	20.20	0.00		0.00
17.65	0.02		0.02	20.25	0.00		0.00
17.70	0.02		0.02	20.30	0.00		0.00
17.75	0.02		0.02	20.35	0.00		0.00
17.80	0.02		0.02	20.40	0.00		0.00
17.85	0.02		0.02	20.45	0.00		0.00
17.90	0.01		0.01	20.50	0.00		0.00
17.95	0.01		0.01	20.55	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
20.60	0.00		0.00	23.20	0.00		0.00
20.65	0.00		0.00	23.25	0.00		0.00
20.70	0.00		0.00	23.30	0.00		0.00
20.75	0.00		0.00	23.35	0.00		0.00
20.80	0.00		0.00	23.40	0.00		0.00
20.85	0.00		0.00	23.45	0.00		0.00
20.90	0.00		0.00	23.50	0.00		0.00
20.95	0.00		0.00	23.55	0.00		0.00
21.00	0.00		0.00	23.60	0.00		0.00
21.05	0.00		0.00	23.65	0.00		0.00
21.10	0.00		0.00	23.70	0.00		0.00
21.15	0.00		0.00	23.75	0.00		0.00
21.20	0.00		0.00	23.80	0.00		0.00
21.25	0.00		0.00	23.85	0.00		0.00
21.30	0.00		0.00	23.90	0.00		0.00
21.35	0.00		0.00	23.95	0.00		0.00
21.40	0.00		0.00	24.00	0.00		0.00
21.45	0.00		0.00	24.05	0.00		0.00
21.50	0.00		0.00	24.10	0.00		0.00
21.55	0.00		0.00	24.15	0.00		0.00
21.60	0.00		0.00	24.20	0.00		0.00
21.65	0.00		0.00	24.25	0.00		0.00
21.70	0.00		0.00	24.30	0.00		0.00
21.75	0.00		0.00	24.35	0.00		0.00
21.80	0.00		0.00	24.40	0.00		0.00
21.85	0.00		0.00	24.45	0.00		0.00
21.90	0.00		0.00	24.50	0.00		0.00
21.95	0.00		0.00	24.55	0.00		0.00
22.00	0.00		0.00	24.60	0.00		0.00
22.05	0.00		0.00	24.65	0.00		0.00
22.10	0.00		0.00	24.70	0.00		0.00
22.15	0.00		0.00	24.75	0.00		0.00
22.20	0.00		0.00	24.80	0.00		0.00
22.25	0.00		0.00	24.85	0.00		0.00
22.30	0.00		0.00	24.90	0.00		0.00
22.35	0.00		0.00	24.95	0.00		0.00
22.40	0.00		0.00	25.00	0.00		0.00
22.45	0.00		0.00	25.05	0.00		0.00
22.50	0.00		0.00	25.10	0.00		0.00
22.55	0.00		0.00	25.15	0.00		0.00
22.60	0.00		0.00	25.20	0.00		0.00
22.65	0.00		0.00	25.25	0.00		0.00
22.70	0.00		0.00	25.30	0.00		0.00
22.75	0.00		0.00	25.35	0.00		0.00
22.80	0.00		0.00	25.40	0.00		0.00
22.85	0.00		0.00	25.45	0.00		0.00
22.90	0.00		0.00	25.50	0.00		0.00
22.95	0.00		0.00	25.55	0.00		0.00
23.00	0.00		0.00	25.60	0.00		0.00
23.05	0.00		0.00	25.65	0.00		0.00
23.10	0.00		0.00	25.70	0.00		0.00
23.15	0.00		0.00	25.75	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
25.80	0.00		0.00	28.40	0.00		0.00
25.85	0.00		0.00	28.45	0.00		0.00
25.90	0.00		0.00	28.50	0.00		0.00
25.95	0.00		0.00	28.55	0.00		0.00
26.00	0.00		0.00	28.60	0.00		0.00
26.05	0.00		0.00	28.65	0.00		0.00
26.10	0.00		0.00	28.70	0.00		0.00
26.15	0.00		0.00	28.75	0.00		0.00
26.20	0.00		0.00	28.80	0.00		0.00
26.25	0.00		0.00	28.85	0.00		0.00
26.30	0.00		0.00	28.90	0.00		0.00
26.35	0.00		0.00	28.95	0.00		0.00
26.40	0.00		0.00	29.00	0.00		0.00
26.45	0.00		0.00	29.05	0.00		0.00
26.50	0.00		0.00	29.10	0.00		0.00
26.55	0.00		0.00	29.15	0.00		0.00
26.60	0.00		0.00	29.20	0.00		0.00
26.65	0.00		0.00	29.25	0.00		0.00
26.70	0.00		0.00	29.30	0.00		0.00
26.75	0.00		0.00	29.35	0.00		0.00
26.80	0.00		0.00	29.40	0.00		0.00
26.85	0.00		0.00	29.45	0.00		0.00
26.90	0.00		0.00	29.50	0.00		0.00
26.95	0.00		0.00	29.55	0.00		0.00
27.00	0.00		0.00	29.60	0.00		0.00
27.05	0.00		0.00	29.65	0.00		0.00
27.10	0.00		0.00	29.70	0.00		0.00
27.15	0.00		0.00	29.75	0.00		0.00
27.20	0.00		0.00	29.80	0.00		0.00
27.25	0.00		0.00	29.85	0.00		0.00
27.30	0.00		0.00	29.90	0.00		0.00
27.35	0.00		0.00	29.95	0.00		0.00
27.40	0.00		0.00	30.00	0.00		0.00
27.45	0.00		0.00				
27.50	0.00		0.00				
27.55	0.00		0.00				
27.60	0.00		0.00				
27.65	0.00		0.00				
27.70	0.00		0.00				
27.75	0.00		0.00				
27.80	0.00		0.00				
27.85	0.00		0.00				
27.90	0.00		0.00				
27.95	0.00		0.00				
28.00	0.00		0.00				
28.05	0.00		0.00				
28.10	0.00		0.00				
28.15	0.00		0.00				
28.20	0.00		0.00				
28.25	0.00		0.00				
28.30	0.00		0.00				
28.35	0.00		0.00				

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Summary for Pond Basin 1: Basin 1

Inflow Area = 3.200 ac, 34.38% Impervious, Inflow Depth > 2.28" for 25 Year event
 Inflow = 3.99 cfs @ 12.19 hrs, Volume= 0.607 af
 Outflow = 0.69 cfs @ 13.38 hrs, Volume= 0.606 af, Atten= 83%, Lag= 71.4 min
 Discarded = 0.51 cfs @ 13.38 hrs, Volume= 0.550 af
 Primary = 0.17 cfs @ 13.38 hrs, Volume= 0.057 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 91.16' @ 13.38 hrs Surf.Area= 0.158 ac Storage= 0.228 af

Plug-Flow detention time= 209.8 min calculated for 0.606 af (100% of inflow)
 Center-of-Mass det. time= 208.6 min (1,031.9 - 823.2)

Volume	Invert	Avail.Storage	Storage Description
#1	89.00'	0.885 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
89.00	0.050	0.000	0.000
90.00	0.100	0.075	0.075
91.00	0.150	0.125	0.200
92.00	0.200	0.175	0.375
93.00	0.250	0.225	0.600
94.00	0.320	0.285	0.885

Device	Routing	Invert	Outlet Devices
#1	Discarded	89.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 87.00'
#2	Primary	90.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	93.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.51 cfs @ 13.38 hrs HW=91.16' (Free Discharge)
 ↑**1=Exfiltration** (Controls 0.51 cfs)

Primary OutFlow Max=0.17 cfs @ 13.38 hrs HW=91.16' (Free Discharge)
 ↑**2=Orifice/Grate** (Orifice Controls 0.17 cfs @ 3.52 fps)
 ↑**3=Orifice/Grate** (Controls 0.00 cfs)

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Hydrograph for Pond Basin 1: Basin 1

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.12	0.000	89.00	0.01	0.01	0.00
5.05	0.12	0.001	89.01	0.02	0.02	0.00
5.10	0.12	0.001	89.01	0.03	0.03	0.00
5.15	0.12	0.001	89.02	0.04	0.04	0.00
5.20	0.12	0.002	89.02	0.05	0.05	0.00
5.25	0.12	0.002	89.03	0.06	0.06	0.00
5.30	0.12	0.002	89.03	0.06	0.06	0.00
5.35	0.12	0.002	89.03	0.07	0.07	0.00
5.40	0.12	0.003	89.04	0.08	0.08	0.00
5.45	0.12	0.003	89.04	0.08	0.08	0.00
5.50	0.12	0.003	89.04	0.09	0.09	0.00
5.55	0.12	0.003	89.04	0.09	0.09	0.00
5.60	0.12	0.003	89.04	0.09	0.09	0.00
5.65	0.12	0.003	89.05	0.10	0.10	0.00
5.70	0.13	0.003	89.05	0.10	0.10	0.00
5.75	0.13	0.004	89.05	0.10	0.10	0.00
5.80	0.13	0.004	89.05	0.11	0.11	0.00
5.85	0.13	0.004	89.05	0.11	0.11	0.00
5.90	0.13	0.004	89.05	0.11	0.11	0.00
5.95	0.13	0.004	89.05	0.11	0.11	0.00
6.00	0.13	0.004	89.05	0.11	0.11	0.00
6.05	0.13	0.004	89.05	0.11	0.11	0.00
6.10	0.13	0.004	89.06	0.11	0.11	0.00
6.15	0.13	0.004	89.06	0.11	0.11	0.00
6.20	0.13	0.004	89.06	0.11	0.11	0.00
6.25	0.13	0.004	89.06	0.11	0.11	0.00
6.30	0.13	0.005	89.06	0.11	0.11	0.00
6.35	0.14	0.005	89.06	0.11	0.11	0.00
6.40	0.14	0.005	89.06	0.11	0.11	0.00
6.45	0.14	0.005	89.06	0.11	0.11	0.00
6.50	0.14	0.005	89.07	0.11	0.11	0.00
6.55	0.14	0.005	89.07	0.11	0.11	0.00
6.60	0.14	0.005	89.07	0.11	0.11	0.00
6.65	0.14	0.005	89.07	0.11	0.11	0.00
6.70	0.15	0.005	89.07	0.11	0.11	0.00
6.75	0.15	0.006	89.07	0.11	0.11	0.00
6.80	0.15	0.006	89.08	0.11	0.11	0.00
6.85	0.15	0.006	89.08	0.11	0.11	0.00
6.90	0.15	0.006	89.08	0.11	0.11	0.00
6.95	0.15	0.006	89.08	0.11	0.11	0.00
7.00	0.15	0.006	89.08	0.11	0.11	0.00
7.05	0.16	0.007	89.09	0.11	0.11	0.00
7.10	0.16	0.007	89.09	0.11	0.11	0.00
7.15	0.16	0.007	89.09	0.11	0.11	0.00
7.20	0.16	0.007	89.09	0.12	0.12	0.00
7.25	0.16	0.007	89.10	0.12	0.12	0.00
7.30	0.16	0.007	89.10	0.12	0.12	0.00
7.35	0.16	0.008	89.10	0.12	0.12	0.00
7.40	0.17	0.008	89.10	0.12	0.12	0.00
7.45	0.17	0.008	89.11	0.12	0.12	0.00
7.50	0.17	0.008	89.11	0.12	0.12	0.00
7.55	0.17	0.008	89.11	0.12	0.12	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.17	0.009	89.12	0.12	0.12	0.00
7.65	0.17	0.009	89.12	0.12	0.12	0.00
7.70	0.18	0.009	89.12	0.12	0.12	0.00
7.75	0.18	0.009	89.13	0.12	0.12	0.00
7.80	0.18	0.010	89.13	0.12	0.12	0.00
7.85	0.18	0.010	89.13	0.12	0.12	0.00
7.90	0.18	0.010	89.14	0.12	0.12	0.00
7.95	0.18	0.010	89.14	0.12	0.12	0.00
8.00	0.18	0.011	89.14	0.12	0.12	0.00
8.05	0.19	0.011	89.15	0.12	0.12	0.00
8.10	0.19	0.011	89.15	0.12	0.12	0.00
8.15	0.19	0.011	89.15	0.12	0.12	0.00
8.20	0.19	0.012	89.16	0.12	0.12	0.00
8.25	0.19	0.012	89.16	0.13	0.13	0.00
8.30	0.19	0.012	89.16	0.13	0.13	0.00
8.35	0.20	0.013	89.17	0.13	0.13	0.00
8.40	0.20	0.013	89.17	0.13	0.13	0.00
8.45	0.20	0.013	89.17	0.13	0.13	0.00
8.50	0.20	0.013	89.18	0.13	0.13	0.00
8.55	0.20	0.014	89.18	0.13	0.13	0.00
8.60	0.20	0.014	89.19	0.13	0.13	0.00
8.65	0.20	0.014	89.19	0.13	0.13	0.00
8.70	0.21	0.015	89.19	0.13	0.13	0.00
8.75	0.21	0.015	89.20	0.13	0.13	0.00
8.80	0.21	0.015	89.20	0.13	0.13	0.00
8.85	0.21	0.016	89.21	0.13	0.13	0.00
8.90	0.21	0.016	89.21	0.13	0.13	0.00
8.95	0.21	0.016	89.22	0.13	0.13	0.00
9.00	0.22	0.017	89.22	0.14	0.14	0.00
9.05	0.22	0.017	89.22	0.14	0.14	0.00
9.10	0.22	0.017	89.23	0.14	0.14	0.00
9.15	0.22	0.018	89.23	0.14	0.14	0.00
9.20	0.23	0.018	89.24	0.14	0.14	0.00
9.25	0.23	0.018	89.24	0.14	0.14	0.00
9.30	0.23	0.019	89.25	0.14	0.14	0.00
9.35	0.24	0.019	89.25	0.14	0.14	0.00
9.40	0.24	0.019	89.26	0.14	0.14	0.00
9.45	0.25	0.020	89.26	0.14	0.14	0.00
9.50	0.25	0.020	89.27	0.14	0.14	0.00
9.55	0.25	0.021	89.28	0.14	0.14	0.00
9.60	0.26	0.021	89.28	0.15	0.15	0.00
9.65	0.26	0.022	89.29	0.15	0.15	0.00
9.70	0.27	0.022	89.30	0.15	0.15	0.00
9.75	0.27	0.023	89.30	0.15	0.15	0.00
9.80	0.28	0.023	89.31	0.15	0.15	0.00
9.85	0.28	0.024	89.32	0.15	0.15	0.00
9.90	0.29	0.024	89.32	0.15	0.15	0.00
9.95	0.29	0.025	89.33	0.15	0.15	0.00
10.00	0.30	0.025	89.34	0.15	0.15	0.00
10.05	0.30	0.026	89.35	0.16	0.16	0.00
10.10	0.31	0.027	89.36	0.16	0.16	0.00
10.15	0.31	0.027	89.36	0.16	0.16	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.32	0.028	89.37	0.16	0.16	0.00
10.25	0.32	0.029	89.38	0.16	0.16	0.00
10.30	0.33	0.029	89.39	0.16	0.16	0.00
10.35	0.33	0.030	89.40	0.16	0.16	0.00
10.40	0.34	0.031	89.41	0.17	0.17	0.00
10.45	0.34	0.031	89.42	0.17	0.17	0.00
10.50	0.35	0.032	89.43	0.17	0.17	0.00
10.55	0.35	0.033	89.44	0.17	0.17	0.00
10.60	0.36	0.034	89.45	0.17	0.17	0.00
10.65	0.37	0.034	89.46	0.17	0.17	0.00
10.70	0.38	0.035	89.47	0.18	0.18	0.00
10.75	0.39	0.036	89.48	0.18	0.18	0.00
10.80	0.41	0.037	89.49	0.18	0.18	0.00
10.85	0.42	0.038	89.51	0.18	0.18	0.00
10.90	0.43	0.039	89.52	0.18	0.18	0.00
10.95	0.45	0.040	89.53	0.19	0.19	0.00
11.00	0.47	0.041	89.55	0.19	0.19	0.00
11.05	0.48	0.042	89.56	0.19	0.19	0.00
11.10	0.50	0.043	89.58	0.20	0.20	0.00
11.15	0.52	0.045	89.60	0.20	0.20	0.00
11.20	0.54	0.046	89.62	0.20	0.20	0.00
11.25	0.57	0.048	89.63	0.21	0.21	0.00
11.30	0.59	0.049	89.65	0.21	0.21	0.00
11.35	0.62	0.051	89.68	0.21	0.21	0.00
11.40	0.64	0.052	89.70	0.22	0.22	0.00
11.45	0.67	0.054	89.72	0.22	0.22	0.00
11.50	0.69	0.056	89.75	0.23	0.23	0.00
11.55	0.72	0.058	89.77	0.23	0.23	0.00
11.60	0.77	0.060	89.80	0.24	0.24	0.00
11.65	0.83	0.063	89.83	0.24	0.24	0.00
11.70	0.89	0.065	89.87	0.25	0.25	0.00
11.75	0.95	0.068	89.91	0.25	0.25	0.00
11.80	1.04	0.071	89.95	0.26	0.26	0.00
11.85	1.17	0.074	89.99	0.27	0.27	0.00
11.90	1.34	0.078	90.03	0.28	0.28	0.00
11.95	1.57	0.083	90.07	0.29	0.29	0.00
12.00	1.93	0.089	90.11	0.29	0.29	0.00
12.05	2.43	0.097	90.18	0.31	0.31	0.00
12.10	3.14	0.107	90.26	0.32	0.32	0.00
12.15	3.84	0.120	90.36	0.34	0.34	0.00
12.20	3.98	0.135	90.48	0.37	0.37	0.00
12.25	3.66	0.149	90.59	0.41	0.39	0.02
12.30	3.28	0.162	90.69	0.47	0.41	0.06
12.35	2.92	0.172	90.78	0.52	0.43	0.09
12.40	2.60	0.182	90.85	0.56	0.45	0.11
12.45	2.31	0.189	90.92	0.59	0.46	0.13
12.50	2.07	0.196	90.97	0.61	0.47	0.14
12.55	1.87	0.202	91.01	0.63	0.48	0.15
12.60	1.69	0.206	91.04	0.64	0.49	0.15
12.65	1.53	0.210	91.06	0.65	0.49	0.16
12.70	1.38	0.214	91.08	0.65	0.50	0.16
12.75	1.26	0.216	91.09	0.66	0.50	0.16

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	1.17	0.219	91.11	0.67	0.50	0.16
12.85	1.09	0.221	91.12	0.67	0.50	0.17
12.90	1.02	0.222	91.13	0.67	0.51	0.17
12.95	0.97	0.223	91.13	0.68	0.51	0.17
13.00	0.92	0.225	91.14	0.68	0.51	0.17
13.05	0.88	0.226	91.15	0.68	0.51	0.17
13.10	0.84	0.226	91.15	0.68	0.51	0.17
13.15	0.81	0.227	91.15	0.68	0.51	0.17
13.20	0.77	0.227	91.16	0.69	0.51	0.17
13.25	0.75	0.228	91.16	0.69	0.51	0.17
13.30	0.72	0.228	91.16	0.69	0.51	0.17
13.35	0.70	0.228	91.16	0.69	0.51	0.17
13.40	0.68	0.228	91.16	0.69	0.51	0.17
13.45	0.66	0.228	91.16	0.69	0.51	0.17
13.50	0.64	0.228	91.16	0.69	0.51	0.17
13.55	0.62	0.227	91.16	0.69	0.51	0.17
13.60	0.60	0.227	91.15	0.69	0.51	0.17
13.65	0.58	0.227	91.15	0.68	0.51	0.17
13.70	0.56	0.226	91.15	0.68	0.51	0.17
13.75	0.55	0.226	91.15	0.68	0.51	0.17
13.80	0.54	0.225	91.14	0.68	0.51	0.17
13.85	0.52	0.225	91.14	0.68	0.51	0.17
13.90	0.51	0.224	91.14	0.68	0.51	0.17
13.95	0.50	0.223	91.13	0.68	0.51	0.17
14.00	0.50	0.222	91.13	0.67	0.51	0.17
14.05	0.49	0.222	91.12	0.67	0.51	0.17
14.10	0.48	0.221	91.12	0.67	0.51	0.17
14.15	0.47	0.220	91.11	0.67	0.50	0.17
14.20	0.47	0.219	91.11	0.67	0.50	0.16
14.25	0.46	0.218	91.11	0.67	0.50	0.16
14.30	0.45	0.218	91.10	0.66	0.50	0.16
14.35	0.45	0.217	91.10	0.66	0.50	0.16
14.40	0.44	0.216	91.09	0.66	0.50	0.16
14.45	0.43	0.215	91.09	0.66	0.50	0.16
14.50	0.43	0.214	91.08	0.66	0.50	0.16
14.55	0.42	0.213	91.07	0.65	0.50	0.16
14.60	0.41	0.212	91.07	0.65	0.49	0.16
14.65	0.41	0.211	91.06	0.65	0.49	0.16
14.70	0.40	0.210	91.06	0.65	0.49	0.16
14.75	0.40	0.209	91.05	0.64	0.49	0.15
14.80	0.39	0.208	91.05	0.64	0.49	0.15
14.85	0.38	0.207	91.04	0.64	0.49	0.15
14.90	0.38	0.206	91.03	0.64	0.49	0.15
14.95	0.37	0.205	91.03	0.63	0.48	0.15
15.00	0.37	0.204	91.02	0.63	0.48	0.15
15.05	0.36	0.203	91.01	0.63	0.48	0.15
15.10	0.35	0.202	91.01	0.63	0.48	0.15
15.15	0.35	0.200	91.00	0.62	0.48	0.15
15.20	0.34	0.199	90.99	0.62	0.48	0.14
15.25	0.34	0.198	90.98	0.62	0.48	0.14
15.30	0.33	0.197	90.98	0.61	0.47	0.14
15.35	0.33	0.196	90.97	0.61	0.47	0.14

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.33	0.195	90.96	0.61	0.47	0.14
15.45	0.32	0.193	90.95	0.60	0.47	0.13
15.50	0.32	0.192	90.94	0.60	0.47	0.13
15.55	0.32	0.191	90.93	0.59	0.46	0.13
15.60	0.32	0.190	90.92	0.59	0.46	0.13
15.65	0.31	0.189	90.91	0.59	0.46	0.13
15.70	0.31	0.188	90.90	0.58	0.46	0.12
15.75	0.31	0.187	90.89	0.58	0.46	0.12
15.80	0.31	0.186	90.88	0.57	0.45	0.12
15.85	0.30	0.184	90.88	0.57	0.45	0.12
15.90	0.30	0.183	90.87	0.57	0.45	0.12
15.95	0.30	0.182	90.86	0.56	0.45	0.11
16.00	0.30	0.181	90.85	0.56	0.45	0.11
16.05	0.30	0.180	90.84	0.55	0.44	0.11
16.10	0.29	0.179	90.83	0.55	0.44	0.11
16.15	0.29	0.178	90.82	0.55	0.44	0.11
16.20	0.29	0.177	90.82	0.54	0.44	0.10
16.25	0.29	0.176	90.81	0.54	0.44	0.10
16.30	0.29	0.175	90.80	0.53	0.44	0.10
16.35	0.28	0.174	90.79	0.53	0.43	0.10
16.40	0.28	0.173	90.78	0.53	0.43	0.09
16.45	0.28	0.172	90.78	0.52	0.43	0.09
16.50	0.28	0.171	90.77	0.52	0.43	0.09
16.55	0.28	0.170	90.76	0.51	0.43	0.09
16.60	0.28	0.169	90.75	0.51	0.42	0.08
16.65	0.27	0.168	90.74	0.50	0.42	0.08
16.70	0.27	0.167	90.74	0.50	0.42	0.08
16.75	0.27	0.166	90.73	0.50	0.42	0.08
16.80	0.27	0.165	90.72	0.49	0.42	0.07
16.85	0.27	0.164	90.71	0.49	0.42	0.07
16.90	0.26	0.163	90.71	0.48	0.42	0.07
16.95	0.26	0.162	90.70	0.48	0.41	0.06
17.00	0.26	0.162	90.69	0.47	0.41	0.06
17.05	0.26	0.161	90.69	0.47	0.41	0.06
17.10	0.26	0.160	90.68	0.46	0.41	0.05
17.15	0.26	0.159	90.67	0.46	0.41	0.05
17.20	0.25	0.158	90.67	0.45	0.41	0.05
17.25	0.25	0.157	90.66	0.45	0.41	0.04
17.30	0.25	0.157	90.65	0.45	0.40	0.04
17.35	0.25	0.156	90.65	0.44	0.40	0.04
17.40	0.25	0.155	90.64	0.44	0.40	0.04
17.45	0.24	0.154	90.63	0.43	0.40	0.03
17.50	0.24	0.153	90.63	0.43	0.40	0.03
17.55	0.24	0.153	90.62	0.43	0.40	0.03
17.60	0.24	0.152	90.61	0.42	0.40	0.03
17.65	0.24	0.151	90.61	0.42	0.39	0.02
17.70	0.23	0.150	90.60	0.41	0.39	0.02
17.75	0.23	0.150	90.60	0.41	0.39	0.02
17.80	0.23	0.149	90.59	0.41	0.39	0.02
17.85	0.23	0.148	90.58	0.41	0.39	0.02
17.90	0.23	0.147	90.58	0.40	0.39	0.01
17.95	0.22	0.147	90.57	0.40	0.39	0.01

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.22	0.146	90.57	0.40	0.39	0.01
18.05	0.22	0.145	90.56	0.39	0.38	0.01
18.10	0.22	0.145	90.56	0.39	0.38	0.01
18.15	0.22	0.144	90.55	0.39	0.38	0.01
18.20	0.22	0.143	90.54	0.39	0.38	0.00
18.25	0.21	0.142	90.54	0.38	0.38	0.00
18.30	0.21	0.142	90.53	0.38	0.38	0.00
18.35	0.21	0.141	90.53	0.38	0.38	0.00
18.40	0.21	0.140	90.52	0.38	0.38	0.00
18.45	0.21	0.140	90.52	0.38	0.38	0.00
18.50	0.21	0.139	90.51	0.38	0.37	0.00
18.55	0.21	0.138	90.51	0.37	0.37	0.00
18.60	0.21	0.138	90.50	0.37	0.37	0.00
18.65	0.21	0.137	90.49	0.37	0.37	0.00
18.70	0.21	0.136	90.49	0.37	0.37	0.00
18.75	0.20	0.135	90.48	0.37	0.37	0.00
18.80	0.20	0.135	90.48	0.37	0.37	0.00
18.85	0.20	0.134	90.47	0.37	0.37	0.00
18.90	0.20	0.133	90.47	0.37	0.37	0.00
18.95	0.20	0.133	90.46	0.36	0.36	0.00
19.00	0.20	0.132	90.46	0.36	0.36	0.00
19.05	0.20	0.131	90.45	0.36	0.36	0.00
19.10	0.20	0.131	90.45	0.36	0.36	0.00
19.15	0.20	0.130	90.44	0.36	0.36	0.00
19.20	0.20	0.129	90.44	0.36	0.36	0.00
19.25	0.20	0.129	90.43	0.36	0.36	0.00
19.30	0.20	0.128	90.43	0.36	0.36	0.00
19.35	0.20	0.128	90.42	0.36	0.36	0.00
19.40	0.20	0.127	90.42	0.35	0.35	0.00
19.45	0.20	0.126	90.41	0.35	0.35	0.00
19.50	0.20	0.126	90.40	0.35	0.35	0.00
19.55	0.20	0.125	90.40	0.35	0.35	0.00
19.60	0.20	0.124	90.39	0.35	0.35	0.00
19.65	0.20	0.124	90.39	0.35	0.35	0.00
19.70	0.20	0.123	90.38	0.35	0.35	0.00
19.75	0.19	0.122	90.38	0.35	0.35	0.00
19.80	0.19	0.122	90.37	0.35	0.35	0.00
19.85	0.19	0.121	90.37	0.35	0.35	0.00
19.90	0.19	0.121	90.36	0.34	0.34	0.00
19.95	0.19	0.120	90.36	0.34	0.34	0.00
20.00	0.19	0.119	90.35	0.34	0.34	0.00
20.05	0.19	0.119	90.35	0.34	0.34	0.00
20.10	0.19	0.118	90.34	0.34	0.34	0.00
20.15	0.19	0.117	90.34	0.34	0.34	0.00
20.20	0.19	0.117	90.33	0.34	0.34	0.00
20.25	0.19	0.116	90.33	0.34	0.34	0.00
20.30	0.19	0.116	90.33	0.34	0.34	0.00
20.35	0.19	0.115	90.32	0.34	0.34	0.00
20.40	0.19	0.114	90.32	0.33	0.33	0.00
20.45	0.19	0.114	90.31	0.33	0.33	0.00
20.50	0.19	0.113	90.31	0.33	0.33	0.00
20.55	0.19	0.113	90.30	0.33	0.33	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.19	0.112	90.30	0.33	0.33	0.00
20.65	0.19	0.111	90.29	0.33	0.33	0.00
20.70	0.19	0.111	90.29	0.33	0.33	0.00
20.75	0.19	0.110	90.28	0.33	0.33	0.00
20.80	0.19	0.110	90.28	0.33	0.33	0.00
20.85	0.19	0.109	90.27	0.33	0.33	0.00
20.90	0.18	0.109	90.27	0.33	0.33	0.00
20.95	0.18	0.108	90.26	0.32	0.32	0.00
21.00	0.18	0.107	90.26	0.32	0.32	0.00
21.05	0.18	0.107	90.25	0.32	0.32	0.00
21.10	0.18	0.106	90.25	0.32	0.32	0.00
21.15	0.18	0.106	90.25	0.32	0.32	0.00
21.20	0.18	0.105	90.24	0.32	0.32	0.00
21.25	0.18	0.105	90.24	0.32	0.32	0.00
21.30	0.18	0.104	90.23	0.32	0.32	0.00
21.35	0.18	0.103	90.23	0.32	0.32	0.00
21.40	0.18	0.103	90.22	0.32	0.32	0.00
21.45	0.18	0.102	90.22	0.32	0.32	0.00
21.50	0.18	0.102	90.21	0.31	0.31	0.00
21.55	0.18	0.101	90.21	0.31	0.31	0.00
21.60	0.18	0.101	90.20	0.31	0.31	0.00
21.65	0.18	0.100	90.20	0.31	0.31	0.00
21.70	0.18	0.099	90.20	0.31	0.31	0.00
21.75	0.18	0.099	90.19	0.31	0.31	0.00
21.80	0.18	0.098	90.19	0.31	0.31	0.00
21.85	0.18	0.098	90.18	0.31	0.31	0.00
21.90	0.18	0.097	90.18	0.31	0.31	0.00
21.95	0.18	0.097	90.17	0.31	0.31	0.00
22.00	0.17	0.096	90.17	0.31	0.31	0.00
22.05	0.17	0.096	90.17	0.30	0.30	0.00
22.10	0.17	0.095	90.16	0.30	0.30	0.00
22.15	0.17	0.095	90.16	0.30	0.30	0.00
22.20	0.17	0.094	90.15	0.30	0.30	0.00
22.25	0.17	0.094	90.15	0.30	0.30	0.00
22.30	0.17	0.093	90.14	0.30	0.30	0.00
22.35	0.17	0.092	90.14	0.30	0.30	0.00
22.40	0.17	0.092	90.14	0.30	0.30	0.00
22.45	0.17	0.091	90.13	0.30	0.30	0.00
22.50	0.17	0.091	90.13	0.30	0.30	0.00
22.55	0.17	0.090	90.12	0.30	0.30	0.00
22.60	0.17	0.090	90.12	0.30	0.30	0.00
22.65	0.17	0.089	90.11	0.29	0.29	0.00
22.70	0.17	0.089	90.11	0.29	0.29	0.00
22.75	0.17	0.088	90.11	0.29	0.29	0.00
22.80	0.17	0.088	90.10	0.29	0.29	0.00
22.85	0.17	0.087	90.10	0.29	0.29	0.00
22.90	0.17	0.087	90.09	0.29	0.29	0.00
22.95	0.17	0.086	90.09	0.29	0.29	0.00
23.00	0.17	0.086	90.09	0.29	0.29	0.00
23.05	0.16	0.085	90.08	0.29	0.29	0.00
23.10	0.16	0.085	90.08	0.29	0.29	0.00
23.15	0.16	0.084	90.07	0.29	0.29	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.16	0.084	90.07	0.29	0.29	0.00
23.25	0.16	0.083	90.07	0.29	0.29	0.00
23.30	0.16	0.083	90.06	0.28	0.28	0.00
23.35	0.16	0.082	90.06	0.28	0.28	0.00
23.40	0.16	0.082	90.05	0.28	0.28	0.00
23.45	0.16	0.081	90.05	0.28	0.28	0.00
23.50	0.16	0.081	90.05	0.28	0.28	0.00
23.55	0.16	0.080	90.04	0.28	0.28	0.00
23.60	0.16	0.080	90.04	0.28	0.28	0.00
23.65	0.16	0.079	90.03	0.28	0.28	0.00
23.70	0.16	0.079	90.03	0.28	0.28	0.00
23.75	0.16	0.078	90.03	0.28	0.28	0.00
23.80	0.16	0.078	90.02	0.28	0.28	0.00
23.85	0.16	0.077	90.02	0.28	0.28	0.00
23.90	0.16	0.077	90.01	0.28	0.28	0.00
23.95	0.16	0.076	90.01	0.27	0.27	0.00
24.00	0.16	0.076	90.01	0.27	0.27	0.00
24.05	0.15	0.075	90.00	0.27	0.27	0.00
24.10	0.14	0.075	90.00	0.27	0.27	0.00
24.15	0.12	0.074	89.99	0.27	0.27	0.00
24.20	0.11	0.073	89.98	0.27	0.27	0.00
24.25	0.09	0.073	89.97	0.27	0.27	0.00
24.30	0.08	0.072	89.96	0.27	0.27	0.00
24.35	0.07	0.071	89.95	0.26	0.26	0.00
24.40	0.06	0.070	89.94	0.26	0.26	0.00
24.45	0.05	0.070	89.93	0.26	0.26	0.00
24.50	0.04	0.069	89.92	0.26	0.26	0.00
24.55	0.04	0.068	89.90	0.25	0.25	0.00
24.60	0.03	0.067	89.89	0.25	0.25	0.00
24.65	0.03	0.066	89.88	0.25	0.25	0.00
24.70	0.02	0.065	89.87	0.25	0.25	0.00
24.75	0.02	0.064	89.85	0.25	0.25	0.00
24.80	0.02	0.063	89.84	0.24	0.24	0.00
24.85	0.02	0.062	89.83	0.24	0.24	0.00
24.90	0.02	0.061	89.82	0.24	0.24	0.00
24.95	0.01	0.060	89.81	0.24	0.24	0.00
25.00	0.01	0.059	89.79	0.23	0.23	0.00
25.05	0.01	0.059	89.78	0.23	0.23	0.00
25.10	0.01	0.058	89.77	0.23	0.23	0.00
25.15	0.01	0.057	89.76	0.23	0.23	0.00
25.20	0.01	0.056	89.74	0.23	0.23	0.00
25.25	0.01	0.055	89.73	0.22	0.22	0.00
25.30	0.01	0.054	89.72	0.22	0.22	0.00
25.35	0.01	0.053	89.71	0.22	0.22	0.00
25.40	0.01	0.052	89.70	0.22	0.22	0.00
25.45	0.00	0.051	89.69	0.21	0.21	0.00
25.50	0.00	0.051	89.67	0.21	0.21	0.00
25.55	0.00	0.050	89.66	0.21	0.21	0.00
25.60	0.00	0.049	89.65	0.21	0.21	0.00
25.65	0.00	0.048	89.64	0.21	0.21	0.00
25.70	0.00	0.047	89.63	0.20	0.20	0.00
25.75	0.00	0.046	89.62	0.20	0.20	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.046	89.61	0.20	0.20	0.00
25.85	0.00	0.045	89.60	0.20	0.20	0.00
25.90	0.00	0.044	89.59	0.20	0.20	0.00
25.95	0.00	0.043	89.57	0.19	0.19	0.00
26.00	0.00	0.042	89.56	0.19	0.19	0.00
26.05	0.00	0.042	89.55	0.19	0.19	0.00
26.10	0.00	0.041	89.54	0.19	0.19	0.00
26.15	0.00	0.040	89.53	0.19	0.19	0.00
26.20	0.00	0.039	89.52	0.19	0.19	0.00
26.25	0.00	0.038	89.51	0.18	0.18	0.00
26.30	0.00	0.038	89.50	0.18	0.18	0.00
26.35	0.00	0.037	89.49	0.18	0.18	0.00
26.40	0.00	0.036	89.48	0.18	0.18	0.00
26.45	0.00	0.035	89.47	0.18	0.18	0.00
26.50	0.00	0.035	89.46	0.18	0.18	0.00
26.55	0.00	0.034	89.45	0.17	0.17	0.00
26.60	0.00	0.033	89.44	0.17	0.17	0.00
26.65	0.00	0.033	89.43	0.17	0.17	0.00
26.70	0.00	0.032	89.43	0.17	0.17	0.00
26.75	0.00	0.031	89.42	0.17	0.17	0.00
26.80	0.00	0.031	89.41	0.17	0.17	0.00
26.85	0.00	0.030	89.40	0.16	0.16	0.00
26.90	0.00	0.029	89.39	0.16	0.16	0.00
26.95	0.00	0.028	89.38	0.16	0.16	0.00
27.00	0.00	0.028	89.37	0.16	0.16	0.00
27.05	0.00	0.027	89.36	0.16	0.16	0.00
27.10	0.00	0.027	89.35	0.16	0.16	0.00
27.15	0.00	0.026	89.35	0.16	0.16	0.00
27.20	0.00	0.025	89.34	0.15	0.15	0.00
27.25	0.00	0.025	89.33	0.15	0.15	0.00
27.30	0.00	0.024	89.32	0.15	0.15	0.00
27.35	0.00	0.023	89.31	0.15	0.15	0.00
27.40	0.00	0.023	89.30	0.15	0.15	0.00
27.45	0.00	0.022	89.30	0.15	0.15	0.00
27.50	0.00	0.022	89.29	0.15	0.15	0.00
27.55	0.00	0.021	89.28	0.14	0.14	0.00
27.60	0.00	0.020	89.27	0.14	0.14	0.00
27.65	0.00	0.020	89.26	0.14	0.14	0.00
27.70	0.00	0.019	89.26	0.14	0.14	0.00
27.75	0.00	0.019	89.25	0.14	0.14	0.00
27.80	0.00	0.018	89.24	0.14	0.14	0.00
27.85	0.00	0.017	89.23	0.14	0.14	0.00
27.90	0.00	0.017	89.22	0.14	0.14	0.00
27.95	0.00	0.016	89.22	0.13	0.13	0.00
28.00	0.00	0.016	89.21	0.13	0.13	0.00
28.05	0.00	0.015	89.20	0.13	0.13	0.00
28.10	0.00	0.015	89.20	0.13	0.13	0.00
28.15	0.00	0.014	89.19	0.13	0.13	0.00
28.20	0.00	0.014	89.18	0.13	0.13	0.00
28.25	0.00	0.013	89.17	0.13	0.13	0.00
28.30	0.00	0.013	89.17	0.13	0.13	0.00
28.35	0.00	0.012	89.16	0.13	0.13	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.011	89.15	0.12	0.12	0.00
28.45	0.00	0.011	89.15	0.12	0.12	0.00
28.50	0.00	0.010	89.14	0.12	0.12	0.00
28.55	0.00	0.010	89.13	0.12	0.12	0.00
28.60	0.00	0.009	89.13	0.12	0.12	0.00
28.65	0.00	0.009	89.12	0.12	0.12	0.00
28.70	0.00	0.008	89.11	0.12	0.12	0.00
28.75	0.00	0.008	89.11	0.12	0.12	0.00
28.80	0.00	0.008	89.10	0.12	0.12	0.00
28.85	0.00	0.007	89.09	0.12	0.12	0.00
28.90	0.00	0.007	89.09	0.11	0.11	0.00
28.95	0.00	0.006	89.08	0.11	0.11	0.00
29.00	0.00	0.006	89.08	0.11	0.11	0.00
29.05	0.00	0.005	89.07	0.11	0.11	0.00
29.10	0.00	0.005	89.06	0.11	0.11	0.00
29.15	0.00	0.004	89.06	0.11	0.11	0.00
29.20	0.00	0.004	89.05	0.11	0.11	0.00
29.25	0.00	0.003	89.05	0.10	0.10	0.00
29.30	0.00	0.003	89.04	0.09	0.09	0.00
29.35	0.00	0.003	89.04	0.08	0.08	0.00
29.40	0.00	0.002	89.03	0.07	0.07	0.00
29.45	0.00	0.002	89.03	0.06	0.06	0.00
29.50	0.00	0.002	89.02	0.05	0.05	0.00
29.55	0.00	0.002	89.02	0.05	0.05	0.00
29.60	0.00	0.001	89.02	0.04	0.04	0.00
29.65	0.00	0.001	89.02	0.04	0.04	0.00
29.70	0.00	0.001	89.02	0.03	0.03	0.00
29.75	0.00	0.001	89.01	0.03	0.03	0.00
29.80	0.00	0.001	89.01	0.03	0.03	0.00
29.85	0.00	0.001	89.01	0.02	0.02	0.00
29.90	0.00	0.001	89.01	0.02	0.02	0.00
29.95	0.00	0.001	89.01	0.02	0.02	0.00
30.00	0.00	0.001	89.01	0.02	0.02	0.00

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Summary for Pond Basin 2: Basin 2

Inflow Area = 3.200 ac, 35.94% Impervious, Inflow Depth > 2.36" for 25 Year event
 Inflow = 4.17 cfs @ 12.19 hrs, Volume= 0.629 af
 Outflow = 0.61 cfs @ 13.61 hrs, Volume= 0.629 af, Atten= 85%, Lag= 85.2 min
 Discarded = 0.60 cfs @ 13.61 hrs, Volume= 0.627 af
 Primary = 0.01 cfs @ 13.61 hrs, Volume= 0.001 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 88.57' @ 13.61 hrs Surf.Area= 0.196 ac Storage= 0.229 af

Plug-Flow detention time= 190.6 min calculated for 0.628 af (100% of inflow)
 Center-of-Mass det. time= 190.0 min (1,011.1 - 821.1)

Volume	Invert	Avail.Storage	Storage Description
#1	87.00'	1.330 af	Rain Garden Basin (Prismatic) Listed below

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
87.00	0.090	0.000	0.000
88.00	0.150	0.120	0.120
89.00	0.230	0.190	0.310
90.00	0.300	0.265	0.575
91.00	0.380	0.340	0.915
92.00	0.450	0.415	1.330

Device	Routing	Invert	Outlet Devices
#1	Discarded	87.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 85.00'
#2	Primary	88.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	91.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.60 cfs @ 13.61 hrs HW=88.57' (Free Discharge)
 ↳1=Exfiltration (Controls 0.60 cfs)

Primary OutFlow Max=0.01 cfs @ 13.61 hrs HW=88.57' (Free Discharge)
 ↳2=Orifice/Grate (Orifice Controls 0.01 cfs @ 0.93 fps)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 2: Basin 2

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.12	0.000	87.00	0.01	0.01	0.00
5.05	0.12	0.001	87.01	0.02	0.02	0.00
5.10	0.12	0.001	87.01	0.03	0.03	0.00
5.15	0.12	0.001	87.01	0.05	0.05	0.00
5.20	0.13	0.002	87.01	0.06	0.06	0.00
5.25	0.13	0.002	87.02	0.06	0.06	0.00
5.30	0.13	0.002	87.02	0.07	0.07	0.00
5.35	0.13	0.002	87.02	0.08	0.08	0.00
5.40	0.13	0.003	87.02	0.08	0.08	0.00
5.45	0.13	0.003	87.02	0.09	0.09	0.00
5.50	0.13	0.003	87.02	0.09	0.09	0.00
5.55	0.13	0.003	87.03	0.10	0.10	0.00
5.60	0.13	0.003	87.03	0.10	0.10	0.00
5.65	0.13	0.003	87.03	0.11	0.11	0.00
5.70	0.13	0.003	87.03	0.11	0.11	0.00
5.75	0.13	0.003	87.03	0.11	0.11	0.00
5.80	0.13	0.004	87.03	0.11	0.11	0.00
5.85	0.13	0.004	87.03	0.12	0.12	0.00
5.90	0.13	0.004	87.03	0.12	0.12	0.00
5.95	0.13	0.004	87.03	0.12	0.12	0.00
6.00	0.13	0.004	87.03	0.12	0.12	0.00
6.05	0.13	0.004	87.03	0.12	0.12	0.00
6.10	0.14	0.004	87.03	0.13	0.13	0.00
6.15	0.14	0.004	87.03	0.13	0.13	0.00
6.20	0.14	0.004	87.03	0.13	0.13	0.00
6.25	0.14	0.004	87.03	0.13	0.13	0.00
6.30	0.14	0.004	87.03	0.13	0.13	0.00
6.35	0.14	0.004	87.03	0.13	0.13	0.00
6.40	0.14	0.004	87.03	0.13	0.13	0.00
6.45	0.14	0.004	87.03	0.13	0.13	0.00
6.50	0.15	0.004	87.04	0.14	0.14	0.00
6.55	0.15	0.004	87.04	0.14	0.14	0.00
6.60	0.15	0.004	87.04	0.14	0.14	0.00
6.65	0.15	0.004	87.04	0.14	0.14	0.00
6.70	0.15	0.004	87.04	0.14	0.14	0.00
6.75	0.15	0.004	87.04	0.14	0.14	0.00
6.80	0.16	0.004	87.04	0.14	0.14	0.00
6.85	0.16	0.005	87.04	0.15	0.15	0.00
6.90	0.16	0.005	87.04	0.15	0.15	0.00
6.95	0.16	0.005	87.04	0.15	0.15	0.00
7.00	0.16	0.005	87.04	0.15	0.15	0.00
7.05	0.16	0.005	87.04	0.15	0.15	0.00
7.10	0.16	0.005	87.04	0.15	0.15	0.00
7.15	0.17	0.005	87.04	0.15	0.15	0.00
7.20	0.17	0.005	87.04	0.16	0.16	0.00
7.25	0.17	0.005	87.04	0.16	0.16	0.00
7.30	0.17	0.005	87.04	0.16	0.16	0.00
7.35	0.17	0.005	87.04	0.16	0.16	0.00
7.40	0.17	0.005	87.04	0.16	0.16	0.00
7.45	0.18	0.005	87.04	0.16	0.16	0.00
7.50	0.18	0.005	87.04	0.17	0.17	0.00
7.55	0.18	0.005	87.04	0.17	0.17	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.18	0.005	87.04	0.17	0.17	0.00
7.65	0.18	0.005	87.04	0.17	0.17	0.00
7.70	0.18	0.005	87.04	0.17	0.17	0.00
7.75	0.19	0.005	87.05	0.17	0.17	0.00
7.80	0.19	0.005	87.05	0.17	0.17	0.00
7.85	0.19	0.006	87.05	0.18	0.18	0.00
7.90	0.19	0.006	87.05	0.18	0.18	0.00
7.95	0.19	0.006	87.05	0.18	0.18	0.00
8.00	0.19	0.006	87.05	0.18	0.18	0.00
8.05	0.19	0.006	87.05	0.18	0.18	0.00
8.10	0.20	0.006	87.05	0.18	0.18	0.00
8.15	0.20	0.006	87.05	0.19	0.19	0.00
8.20	0.20	0.006	87.05	0.19	0.19	0.00
8.25	0.20	0.006	87.05	0.19	0.19	0.00
8.30	0.20	0.006	87.05	0.19	0.19	0.00
8.35	0.20	0.006	87.05	0.19	0.19	0.00
8.40	0.21	0.006	87.05	0.19	0.19	0.00
8.45	0.21	0.006	87.05	0.19	0.19	0.00
8.50	0.21	0.006	87.05	0.19	0.19	0.00
8.55	0.21	0.006	87.05	0.19	0.19	0.00
8.60	0.21	0.006	87.05	0.19	0.19	0.00
8.65	0.21	0.006	87.05	0.19	0.19	0.00
8.70	0.22	0.007	87.05	0.19	0.19	0.00
8.75	0.22	0.007	87.05	0.19	0.19	0.00
8.80	0.22	0.007	87.06	0.19	0.19	0.00
8.85	0.22	0.007	87.06	0.19	0.19	0.00
8.90	0.22	0.007	87.06	0.19	0.19	0.00
8.95	0.22	0.007	87.06	0.19	0.19	0.00
9.00	0.22	0.007	87.06	0.19	0.19	0.00
9.05	0.23	0.007	87.06	0.19	0.19	0.00
9.10	0.23	0.007	87.06	0.19	0.19	0.00
9.15	0.23	0.008	87.06	0.19	0.19	0.00
9.20	0.24	0.008	87.06	0.20	0.20	0.00
9.25	0.24	0.008	87.07	0.20	0.20	0.00
9.30	0.24	0.008	87.07	0.20	0.20	0.00
9.35	0.25	0.008	87.07	0.20	0.20	0.00
9.40	0.25	0.009	87.07	0.20	0.20	0.00
9.45	0.26	0.009	87.07	0.20	0.20	0.00
9.50	0.26	0.009	87.08	0.20	0.20	0.00
9.55	0.27	0.009	87.08	0.20	0.20	0.00
9.60	0.27	0.010	87.08	0.20	0.20	0.00
9.65	0.28	0.010	87.08	0.20	0.20	0.00
9.70	0.28	0.010	87.09	0.20	0.20	0.00
9.75	0.29	0.011	87.09	0.20	0.20	0.00
9.80	0.29	0.011	87.09	0.20	0.20	0.00
9.85	0.30	0.011	87.09	0.20	0.20	0.00
9.90	0.30	0.012	87.10	0.20	0.20	0.00
9.95	0.31	0.012	87.10	0.20	0.20	0.00
10.00	0.31	0.013	87.10	0.20	0.20	0.00
10.05	0.32	0.013	87.11	0.20	0.20	0.00
10.10	0.32	0.013	87.11	0.21	0.21	0.00
10.15	0.33	0.014	87.12	0.21	0.21	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.33	0.014	87.12	0.21	0.21	0.00
10.25	0.34	0.015	87.12	0.21	0.21	0.00
10.30	0.34	0.016	87.13	0.21	0.21	0.00
10.35	0.35	0.016	87.13	0.21	0.21	0.00
10.40	0.35	0.017	87.14	0.21	0.21	0.00
10.45	0.36	0.017	87.14	0.21	0.21	0.00
10.50	0.36	0.018	87.15	0.21	0.21	0.00
10.55	0.37	0.018	87.15	0.21	0.21	0.00
10.60	0.37	0.019	87.16	0.22	0.22	0.00
10.65	0.38	0.020	87.16	0.22	0.22	0.00
10.70	0.40	0.020	87.17	0.22	0.22	0.00
10.75	0.41	0.021	87.18	0.22	0.22	0.00
10.80	0.42	0.022	87.18	0.22	0.22	0.00
10.85	0.44	0.023	87.19	0.22	0.22	0.00
10.90	0.45	0.024	87.20	0.22	0.22	0.00
10.95	0.47	0.025	87.21	0.23	0.23	0.00
11.00	0.49	0.026	87.22	0.23	0.23	0.00
11.05	0.50	0.027	87.22	0.23	0.23	0.00
11.10	0.52	0.028	87.23	0.23	0.23	0.00
11.15	0.54	0.029	87.24	0.23	0.23	0.00
11.20	0.57	0.031	87.26	0.24	0.24	0.00
11.25	0.59	0.032	87.27	0.24	0.24	0.00
11.30	0.62	0.034	87.28	0.24	0.24	0.00
11.35	0.64	0.035	87.29	0.25	0.25	0.00
11.40	0.67	0.037	87.31	0.25	0.25	0.00
11.45	0.70	0.039	87.32	0.25	0.25	0.00
11.50	0.72	0.041	87.34	0.26	0.26	0.00
11.55	0.76	0.043	87.35	0.26	0.26	0.00
11.60	0.81	0.045	87.37	0.26	0.26	0.00
11.65	0.87	0.047	87.39	0.27	0.27	0.00
11.70	0.93	0.050	87.41	0.27	0.27	0.00
11.75	0.99	0.053	87.44	0.28	0.28	0.00
11.80	1.09	0.056	87.46	0.29	0.29	0.00
11.85	1.22	0.059	87.49	0.29	0.29	0.00
11.90	1.40	0.063	87.53	0.30	0.30	0.00
11.95	1.64	0.068	87.57	0.31	0.31	0.00
12.00	2.02	0.075	87.62	0.32	0.32	0.00
12.05	2.54	0.083	87.69	0.34	0.34	0.00
12.10	3.28	0.093	87.78	0.36	0.36	0.00
12.15	4.01	0.107	87.89	0.39	0.39	0.00
12.20	4.16	0.122	88.01	0.42	0.42	0.00
12.25	3.83	0.137	88.09	0.44	0.44	0.00
12.30	3.43	0.150	88.16	0.47	0.47	0.00
12.35	3.05	0.161	88.22	0.48	0.48	0.00
12.40	2.71	0.171	88.27	0.50	0.50	0.00
12.45	2.41	0.180	88.31	0.51	0.51	0.00
12.50	2.16	0.187	88.35	0.53	0.53	0.00
12.55	1.95	0.193	88.39	0.54	0.54	0.00
12.60	1.76	0.199	88.41	0.55	0.55	0.00
12.65	1.59	0.203	88.44	0.55	0.55	0.00
12.70	1.44	0.207	88.46	0.56	0.56	0.00
12.75	1.31	0.211	88.48	0.57	0.57	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	1.21	0.213	88.49	0.57	0.57	0.00
12.85	1.13	0.216	88.50	0.58	0.58	0.00
12.90	1.06	0.218	88.52	0.58	0.58	0.00
12.95	1.00	0.220	88.53	0.59	0.58	0.00
13.00	0.96	0.221	88.53	0.59	0.59	0.00
13.05	0.91	0.223	88.54	0.59	0.59	0.00
13.10	0.87	0.224	88.55	0.59	0.59	0.01
13.15	0.83	0.225	88.55	0.60	0.59	0.01
13.20	0.80	0.226	88.56	0.60	0.59	0.01
13.25	0.77	0.227	88.56	0.60	0.59	0.01
13.30	0.74	0.227	88.57	0.61	0.60	0.01
13.35	0.72	0.228	88.57	0.61	0.60	0.01
13.40	0.70	0.228	88.57	0.61	0.60	0.01
13.45	0.68	0.229	88.57	0.61	0.60	0.01
13.50	0.66	0.229	88.57	0.61	0.60	0.01
13.55	0.64	0.229	88.57	0.61	0.60	0.01
13.60	0.61	0.229	88.57	0.61	0.60	0.01
13.65	0.60	0.229	88.57	0.61	0.60	0.01
13.70	0.58	0.229	88.57	0.61	0.60	0.01
13.75	0.56	0.229	88.57	0.61	0.60	0.01
13.80	0.55	0.229	88.57	0.61	0.60	0.01
13.85	0.54	0.228	88.57	0.61	0.60	0.01
13.90	0.53	0.228	88.57	0.61	0.60	0.01
13.95	0.52	0.228	88.57	0.61	0.60	0.01
14.00	0.51	0.227	88.56	0.60	0.60	0.01
14.05	0.50	0.227	88.56	0.60	0.59	0.01
14.10	0.49	0.226	88.56	0.60	0.59	0.01
14.15	0.49	0.226	88.56	0.60	0.59	0.01
14.20	0.48	0.226	88.56	0.60	0.59	0.01
14.25	0.47	0.225	88.55	0.60	0.59	0.01
14.30	0.46	0.225	88.55	0.60	0.59	0.01
14.35	0.46	0.224	88.55	0.59	0.59	0.01
14.40	0.45	0.223	88.54	0.59	0.59	0.00
14.45	0.44	0.223	88.54	0.59	0.59	0.00
14.50	0.44	0.222	88.54	0.59	0.59	0.00
14.55	0.43	0.222	88.53	0.59	0.59	0.00
14.60	0.43	0.221	88.53	0.59	0.58	0.00
14.65	0.42	0.220	88.53	0.59	0.58	0.00
14.70	0.41	0.219	88.52	0.58	0.58	0.00
14.75	0.41	0.219	88.52	0.58	0.58	0.00
14.80	0.40	0.218	88.52	0.58	0.58	0.00
14.85	0.39	0.217	88.51	0.58	0.58	0.00
14.90	0.39	0.217	88.51	0.58	0.58	0.00
14.95	0.38	0.216	88.50	0.58	0.58	0.00
15.00	0.38	0.215	88.50	0.57	0.57	0.00
15.05	0.37	0.214	88.50	0.57	0.57	0.00
15.10	0.36	0.213	88.49	0.57	0.57	0.00
15.15	0.36	0.212	88.49	0.57	0.57	0.00
15.20	0.35	0.211	88.48	0.57	0.57	0.00
15.25	0.35	0.211	88.48	0.57	0.57	0.00
15.30	0.34	0.210	88.47	0.56	0.56	0.00
15.35	0.34	0.209	88.47	0.56	0.56	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.33	0.208	88.46	0.56	0.56	0.00
15.45	0.33	0.207	88.46	0.56	0.56	0.00
15.50	0.33	0.206	88.45	0.56	0.56	0.00
15.55	0.33	0.205	88.45	0.56	0.56	0.00
15.60	0.32	0.204	88.44	0.56	0.56	0.00
15.65	0.32	0.203	88.44	0.55	0.55	0.00
15.70	0.32	0.202	88.43	0.55	0.55	0.00
15.75	0.32	0.201	88.43	0.55	0.55	0.00
15.80	0.31	0.200	88.42	0.55	0.55	0.00
15.85	0.31	0.199	88.42	0.55	0.55	0.00
15.90	0.31	0.198	88.41	0.55	0.55	0.00
15.95	0.31	0.197	88.41	0.54	0.54	0.00
16.00	0.31	0.196	88.40	0.54	0.54	0.00
16.05	0.30	0.195	88.40	0.54	0.54	0.00
16.10	0.30	0.194	88.39	0.54	0.54	0.00
16.15	0.30	0.193	88.39	0.54	0.54	0.00
16.20	0.30	0.192	88.38	0.54	0.54	0.00
16.25	0.30	0.191	88.38	0.53	0.53	0.00
16.30	0.29	0.190	88.37	0.53	0.53	0.00
16.35	0.29	0.189	88.36	0.53	0.53	0.00
16.40	0.29	0.188	88.36	0.53	0.53	0.00
16.45	0.29	0.187	88.35	0.53	0.53	0.00
16.50	0.29	0.186	88.35	0.53	0.53	0.00
16.55	0.28	0.185	88.34	0.52	0.52	0.00
16.60	0.28	0.184	88.34	0.52	0.52	0.00
16.65	0.28	0.183	88.33	0.52	0.52	0.00
16.70	0.28	0.182	88.33	0.52	0.52	0.00
16.75	0.28	0.181	88.32	0.52	0.52	0.00
16.80	0.27	0.180	88.32	0.52	0.52	0.00
16.85	0.27	0.179	88.31	0.51	0.51	0.00
16.90	0.27	0.178	88.31	0.51	0.51	0.00
16.95	0.27	0.177	88.30	0.51	0.51	0.00
17.00	0.27	0.176	88.30	0.51	0.51	0.00
17.05	0.26	0.175	88.29	0.51	0.51	0.00
17.10	0.26	0.174	88.29	0.51	0.51	0.00
17.15	0.26	0.173	88.28	0.50	0.50	0.00
17.20	0.26	0.172	88.28	0.50	0.50	0.00
17.25	0.26	0.171	88.27	0.50	0.50	0.00
17.30	0.26	0.170	88.27	0.50	0.50	0.00
17.35	0.25	0.169	88.26	0.50	0.50	0.00
17.40	0.25	0.168	88.25	0.50	0.50	0.00
17.45	0.25	0.167	88.25	0.49	0.49	0.00
17.50	0.25	0.166	88.24	0.49	0.49	0.00
17.55	0.25	0.165	88.24	0.49	0.49	0.00
17.60	0.24	0.164	88.23	0.49	0.49	0.00
17.65	0.24	0.163	88.23	0.49	0.49	0.00
17.70	0.24	0.162	88.22	0.49	0.49	0.00
17.75	0.24	0.161	88.22	0.48	0.48	0.00
17.80	0.24	0.160	88.21	0.48	0.48	0.00
17.85	0.23	0.159	88.21	0.48	0.48	0.00
17.90	0.23	0.158	88.20	0.48	0.48	0.00
17.95	0.23	0.157	88.20	0.48	0.48	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.23	0.156	88.19	0.48	0.48	0.00
18.05	0.23	0.155	88.18	0.47	0.47	0.00
18.10	0.22	0.154	88.18	0.47	0.47	0.00
18.15	0.22	0.153	88.17	0.47	0.47	0.00
18.20	0.22	0.152	88.17	0.47	0.47	0.00
18.25	0.22	0.151	88.16	0.47	0.47	0.00
18.30	0.22	0.150	88.16	0.47	0.47	0.00
18.35	0.22	0.149	88.15	0.46	0.46	0.00
18.40	0.21	0.148	88.15	0.46	0.46	0.00
18.45	0.21	0.147	88.14	0.46	0.46	0.00
18.50	0.21	0.146	88.14	0.46	0.46	0.00
18.55	0.21	0.145	88.13	0.46	0.46	0.00
18.60	0.21	0.144	88.13	0.46	0.46	0.00
18.65	0.21	0.143	88.12	0.45	0.45	0.00
18.70	0.21	0.142	88.11	0.45	0.45	0.00
18.75	0.21	0.141	88.11	0.45	0.45	0.00
18.80	0.21	0.140	88.10	0.45	0.45	0.00
18.85	0.21	0.139	88.10	0.45	0.45	0.00
18.90	0.21	0.138	88.09	0.45	0.45	0.00
18.95	0.21	0.137	88.09	0.44	0.44	0.00
19.00	0.21	0.136	88.08	0.44	0.44	0.00
19.05	0.21	0.135	88.08	0.44	0.44	0.00
19.10	0.21	0.134	88.07	0.44	0.44	0.00
19.15	0.20	0.133	88.07	0.44	0.44	0.00
19.20	0.20	0.132	88.06	0.44	0.44	0.00
19.25	0.20	0.131	88.06	0.44	0.44	0.00
19.30	0.20	0.130	88.05	0.43	0.43	0.00
19.35	0.20	0.129	88.05	0.43	0.43	0.00
19.40	0.20	0.128	88.04	0.43	0.43	0.00
19.45	0.20	0.127	88.04	0.43	0.43	0.00
19.50	0.20	0.126	88.03	0.43	0.43	0.00
19.55	0.20	0.125	88.03	0.43	0.43	0.00
19.60	0.20	0.124	88.02	0.43	0.43	0.00
19.65	0.20	0.124	88.02	0.42	0.42	0.00
19.70	0.20	0.123	88.01	0.42	0.42	0.00
19.75	0.20	0.122	88.01	0.42	0.42	0.00
19.80	0.20	0.121	88.00	0.42	0.42	0.00
19.85	0.20	0.120	88.00	0.42	0.42	0.00
19.90	0.20	0.119	87.99	0.42	0.42	0.00
19.95	0.20	0.118	87.98	0.41	0.41	0.00
20.00	0.20	0.117	87.98	0.41	0.41	0.00
20.05	0.20	0.116	87.97	0.41	0.41	0.00
20.10	0.20	0.115	87.96	0.41	0.41	0.00
20.15	0.20	0.115	87.95	0.41	0.41	0.00
20.20	0.20	0.114	87.95	0.40	0.40	0.00
20.25	0.19	0.113	87.94	0.40	0.40	0.00
20.30	0.19	0.112	87.93	0.40	0.40	0.00
20.35	0.19	0.111	87.93	0.40	0.40	0.00
20.40	0.19	0.110	87.92	0.40	0.40	0.00
20.45	0.19	0.109	87.91	0.40	0.40	0.00
20.50	0.19	0.109	87.91	0.39	0.39	0.00
20.55	0.19	0.108	87.90	0.39	0.39	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.19	0.107	87.89	0.39	0.39	0.00
20.65	0.19	0.106	87.88	0.39	0.39	0.00
20.70	0.19	0.105	87.88	0.39	0.39	0.00
20.75	0.19	0.105	87.87	0.38	0.38	0.00
20.80	0.19	0.104	87.86	0.38	0.38	0.00
20.85	0.19	0.103	87.86	0.38	0.38	0.00
20.90	0.19	0.102	87.85	0.38	0.38	0.00
20.95	0.19	0.101	87.84	0.38	0.38	0.00
21.00	0.19	0.101	87.84	0.38	0.38	0.00
21.05	0.19	0.100	87.83	0.37	0.37	0.00
21.10	0.19	0.099	87.83	0.37	0.37	0.00
21.15	0.19	0.098	87.82	0.37	0.37	0.00
21.20	0.19	0.097	87.81	0.37	0.37	0.00
21.25	0.19	0.097	87.81	0.37	0.37	0.00
21.30	0.18	0.096	87.80	0.37	0.37	0.00
21.35	0.18	0.095	87.79	0.37	0.37	0.00
21.40	0.18	0.094	87.79	0.36	0.36	0.00
21.45	0.18	0.094	87.78	0.36	0.36	0.00
21.50	0.18	0.093	87.77	0.36	0.36	0.00
21.55	0.18	0.092	87.77	0.36	0.36	0.00
21.60	0.18	0.092	87.76	0.36	0.36	0.00
21.65	0.18	0.091	87.76	0.36	0.36	0.00
21.70	0.18	0.090	87.75	0.35	0.35	0.00
21.75	0.18	0.089	87.74	0.35	0.35	0.00
21.80	0.18	0.089	87.74	0.35	0.35	0.00
21.85	0.18	0.088	87.73	0.35	0.35	0.00
21.90	0.18	0.087	87.73	0.35	0.35	0.00
21.95	0.18	0.087	87.72	0.35	0.35	0.00
22.00	0.18	0.086	87.72	0.35	0.35	0.00
22.05	0.18	0.085	87.71	0.34	0.34	0.00
22.10	0.18	0.084	87.70	0.34	0.34	0.00
22.15	0.18	0.084	87.70	0.34	0.34	0.00
22.20	0.18	0.083	87.69	0.34	0.34	0.00
22.25	0.18	0.082	87.69	0.34	0.34	0.00
22.30	0.18	0.082	87.68	0.34	0.34	0.00
22.35	0.17	0.081	87.68	0.34	0.34	0.00
22.40	0.17	0.080	87.67	0.33	0.33	0.00
22.45	0.17	0.080	87.66	0.33	0.33	0.00
22.50	0.17	0.079	87.66	0.33	0.33	0.00
22.55	0.17	0.078	87.65	0.33	0.33	0.00
22.60	0.17	0.078	87.65	0.33	0.33	0.00
22.65	0.17	0.077	87.64	0.33	0.33	0.00
22.70	0.17	0.077	87.64	0.33	0.33	0.00
22.75	0.17	0.076	87.63	0.33	0.33	0.00
22.80	0.17	0.075	87.63	0.32	0.32	0.00
22.85	0.17	0.075	87.62	0.32	0.32	0.00
22.90	0.17	0.074	87.62	0.32	0.32	0.00
22.95	0.17	0.073	87.61	0.32	0.32	0.00
23.00	0.17	0.073	87.61	0.32	0.32	0.00
23.05	0.17	0.072	87.60	0.32	0.32	0.00
23.10	0.17	0.072	87.60	0.32	0.32	0.00
23.15	0.17	0.071	87.59	0.32	0.32	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.17	0.070	87.59	0.31	0.31	0.00
23.25	0.17	0.070	87.58	0.31	0.31	0.00
23.30	0.17	0.069	87.58	0.31	0.31	0.00
23.35	0.16	0.068	87.57	0.31	0.31	0.00
23.40	0.16	0.068	87.57	0.31	0.31	0.00
23.45	0.16	0.067	87.56	0.31	0.31	0.00
23.50	0.16	0.067	87.56	0.31	0.31	0.00
23.55	0.16	0.066	87.55	0.31	0.31	0.00
23.60	0.16	0.065	87.55	0.30	0.30	0.00
23.65	0.16	0.065	87.54	0.30	0.30	0.00
23.70	0.16	0.064	87.54	0.30	0.30	0.00
23.75	0.16	0.064	87.53	0.30	0.30	0.00
23.80	0.16	0.063	87.53	0.30	0.30	0.00
23.85	0.16	0.063	87.52	0.30	0.30	0.00
23.90	0.16	0.062	87.52	0.30	0.30	0.00
23.95	0.16	0.061	87.51	0.30	0.30	0.00
24.00	0.16	0.061	87.51	0.30	0.30	0.00
24.05	0.16	0.060	87.50	0.29	0.29	0.00
24.10	0.14	0.060	87.50	0.29	0.29	0.00
24.15	0.12	0.059	87.49	0.29	0.29	0.00
24.20	0.11	0.058	87.49	0.29	0.29	0.00
24.25	0.09	0.058	87.48	0.29	0.29	0.00
24.30	0.08	0.057	87.47	0.29	0.29	0.00
24.35	0.07	0.056	87.47	0.29	0.29	0.00
24.40	0.06	0.055	87.46	0.28	0.28	0.00
24.45	0.05	0.054	87.45	0.28	0.28	0.00
24.50	0.04	0.053	87.44	0.28	0.28	0.00
24.55	0.04	0.052	87.43	0.28	0.28	0.00
24.60	0.03	0.051	87.42	0.28	0.28	0.00
24.65	0.03	0.050	87.42	0.27	0.27	0.00
24.70	0.02	0.049	87.41	0.27	0.27	0.00
24.75	0.02	0.048	87.40	0.27	0.27	0.00
24.80	0.02	0.047	87.39	0.27	0.27	0.00
24.85	0.02	0.046	87.38	0.27	0.27	0.00
24.90	0.02	0.045	87.37	0.26	0.26	0.00
24.95	0.01	0.044	87.37	0.26	0.26	0.00
25.00	0.01	0.043	87.36	0.26	0.26	0.00
25.05	0.01	0.042	87.35	0.26	0.26	0.00
25.10	0.01	0.041	87.34	0.26	0.26	0.00
25.15	0.01	0.040	87.33	0.25	0.25	0.00
25.20	0.01	0.039	87.32	0.25	0.25	0.00
25.25	0.01	0.038	87.31	0.25	0.25	0.00
25.30	0.01	0.037	87.31	0.25	0.25	0.00
25.35	0.01	0.036	87.30	0.25	0.25	0.00
25.40	0.01	0.035	87.29	0.24	0.24	0.00
25.45	0.00	0.034	87.28	0.24	0.24	0.00
25.50	0.00	0.033	87.27	0.24	0.24	0.00
25.55	0.00	0.032	87.26	0.24	0.24	0.00
25.60	0.00	0.031	87.26	0.24	0.24	0.00
25.65	0.00	0.030	87.25	0.24	0.24	0.00
25.70	0.00	0.029	87.24	0.23	0.23	0.00
25.75	0.00	0.028	87.23	0.23	0.23	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.027	87.22	0.23	0.23	0.00
25.85	0.00	0.026	87.22	0.23	0.23	0.00
25.90	0.00	0.025	87.21	0.23	0.23	0.00
25.95	0.00	0.024	87.20	0.23	0.23	0.00
26.00	0.00	0.023	87.19	0.22	0.22	0.00
26.05	0.00	0.022	87.19	0.22	0.22	0.00
26.10	0.00	0.021	87.18	0.22	0.22	0.00
26.15	0.00	0.021	87.17	0.22	0.22	0.00
26.20	0.00	0.020	87.16	0.22	0.22	0.00
26.25	0.00	0.019	87.16	0.22	0.22	0.00
26.30	0.00	0.018	87.15	0.21	0.21	0.00
26.35	0.00	0.017	87.14	0.21	0.21	0.00
26.40	0.00	0.016	87.13	0.21	0.21	0.00
26.45	0.00	0.015	87.13	0.21	0.21	0.00
26.50	0.00	0.014	87.12	0.21	0.21	0.00
26.55	0.00	0.014	87.11	0.21	0.21	0.00
26.60	0.00	0.013	87.11	0.20	0.20	0.00
26.65	0.00	0.012	87.10	0.20	0.20	0.00
26.70	0.00	0.011	87.09	0.20	0.20	0.00
26.75	0.00	0.010	87.08	0.20	0.20	0.00
26.80	0.00	0.009	87.08	0.20	0.20	0.00
26.85	0.00	0.009	87.07	0.20	0.20	0.00
26.90	0.00	0.008	87.06	0.20	0.20	0.00
26.95	0.00	0.007	87.06	0.19	0.19	0.00
27.00	0.00	0.006	87.05	0.19	0.19	0.00
27.05	0.00	0.005	87.04	0.17	0.17	0.00
27.10	0.00	0.005	87.04	0.15	0.15	0.00
27.15	0.00	0.004	87.03	0.13	0.13	0.00
27.20	0.00	0.004	87.03	0.12	0.12	0.00
27.25	0.00	0.003	87.03	0.10	0.10	0.00
27.30	0.00	0.003	87.02	0.09	0.09	0.00
27.35	0.00	0.002	87.02	0.08	0.08	0.00
27.40	0.00	0.002	87.02	0.07	0.07	0.00
27.45	0.00	0.002	87.02	0.06	0.06	0.00
27.50	0.00	0.002	87.01	0.05	0.05	0.00
27.55	0.00	0.001	87.01	0.05	0.05	0.00
27.60	0.00	0.001	87.01	0.04	0.04	0.00
27.65	0.00	0.001	87.01	0.04	0.04	0.00
27.70	0.00	0.001	87.01	0.03	0.03	0.00
27.75	0.00	0.001	87.01	0.03	0.03	0.00
27.80	0.00	0.001	87.01	0.02	0.02	0.00
27.85	0.00	0.001	87.01	0.02	0.02	0.00
27.90	0.00	0.001	87.00	0.02	0.02	0.00
27.95	0.00	0.000	87.00	0.02	0.02	0.00
28.00	0.00	0.000	87.00	0.01	0.01	0.00
28.05	0.00	0.000	87.00	0.01	0.01	0.00
28.10	0.00	0.000	87.00	0.01	0.01	0.00
28.15	0.00	0.000	87.00	0.01	0.01	0.00
28.20	0.00	0.000	87.00	0.01	0.01	0.00
28.25	0.00	0.000	87.00	0.01	0.01	0.00
28.30	0.00	0.000	87.00	0.01	0.01	0.00
28.35	0.00	0.000	87.00	0.01	0.01	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	87.00	0.00	0.00	0.00
28.45	0.00	0.000	87.00	0.00	0.00	0.00
28.50	0.00	0.000	87.00	0.00	0.00	0.00
28.55	0.00	0.000	87.00	0.00	0.00	0.00
28.60	0.00	0.000	87.00	0.00	0.00	0.00
28.65	0.00	0.000	87.00	0.00	0.00	0.00
28.70	0.00	0.000	87.00	0.00	0.00	0.00
28.75	0.00	0.000	87.00	0.00	0.00	0.00
28.80	0.00	0.000	87.00	0.00	0.00	0.00
28.85	0.00	0.000	87.00	0.00	0.00	0.00
28.90	0.00	0.000	87.00	0.00	0.00	0.00
28.95	0.00	0.000	87.00	0.00	0.00	0.00
29.00	0.00	0.000	87.00	0.00	0.00	0.00
29.05	0.00	0.000	87.00	0.00	0.00	0.00
29.10	0.00	0.000	87.00	0.00	0.00	0.00
29.15	0.00	0.000	87.00	0.00	0.00	0.00
29.20	0.00	0.000	87.00	0.00	0.00	0.00
29.25	0.00	0.000	87.00	0.00	0.00	0.00
29.30	0.00	0.000	87.00	0.00	0.00	0.00
29.35	0.00	0.000	87.00	0.00	0.00	0.00
29.40	0.00	0.000	87.00	0.00	0.00	0.00
29.45	0.00	0.000	87.00	0.00	0.00	0.00
29.50	0.00	0.000	87.00	0.00	0.00	0.00
29.55	0.00	0.000	87.00	0.00	0.00	0.00
29.60	0.00	0.000	87.00	0.00	0.00	0.00
29.65	0.00	0.000	87.00	0.00	0.00	0.00
29.70	0.00	0.000	87.00	0.00	0.00	0.00
29.75	0.00	0.000	87.00	0.00	0.00	0.00
29.80	0.00	0.000	87.00	0.00	0.00	0.00
29.85	0.00	0.000	87.00	0.00	0.00	0.00
29.90	0.00	0.000	87.00	0.00	0.00	0.00
29.95	0.00	0.000	87.00	0.00	0.00	0.00
30.00	0.00	0.000	87.00	0.00	0.00	0.00

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Summary for Pond Basin 3: Basin 3

Inflow Area = 4.500 ac, 26.67% Impervious, Inflow Depth > 1.88" for 25 Year event
 Inflow = 4.35 cfs @ 12.19 hrs, Volume= 0.705 af
 Outflow = 0.74 cfs @ 13.58 hrs, Volume= 0.705 af, Atten= 83%, Lag= 83.4 min
 Discarded = 0.74 cfs @ 13.58 hrs, Volume= 0.705 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 86.85' @ 13.58 hrs Surf.Area= 0.268 ac Storage= 0.205 af

Plug-Flow detention time= 115.5 min calculated for 0.704 af (100% of inflow)
 Center-of-Mass det. time= 114.8 min (951.1 - 836.3)

Volume	Invert	Avail.Storage	Storage Description
#1	86.00'	1.950 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
86.00	0.200	0.000	0.000
87.00	0.280	0.240	0.240
88.00	0.360	0.320	0.560
89.00	0.420	0.390	0.950
90.00	0.500	0.460	1.410
91.00	0.580	0.540	1.950

Device	Routing	Invert	Outlet Devices
#1	Discarded	86.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 84.00'
#2	Primary	87.00'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	88.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.74 cfs @ 13.58 hrs HW=86.85' (Free Discharge)
 ↳1=Exfiltration (Controls 0.74 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=86.00' (Free Discharge)
 ↳2=Orifice/Grate (Controls 0.00 cfs)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 3: Basin 3

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.13	0.000	86.00	0.01	0.01	0.00
5.05	0.13	0.001	86.00	0.02	0.02	0.00
5.10	0.13	0.001	86.00	0.04	0.04	0.00
5.15	0.13	0.001	86.01	0.05	0.05	0.00
5.20	0.13	0.002	86.01	0.06	0.06	0.00
5.25	0.13	0.002	86.01	0.07	0.07	0.00
5.30	0.13	0.002	86.01	0.08	0.08	0.00
5.35	0.13	0.002	86.01	0.09	0.09	0.00
5.40	0.13	0.003	86.01	0.09	0.09	0.00
5.45	0.13	0.003	86.01	0.10	0.10	0.00
5.50	0.13	0.003	86.01	0.10	0.10	0.00
5.55	0.13	0.003	86.01	0.11	0.11	0.00
5.60	0.14	0.003	86.01	0.11	0.11	0.00
5.65	0.14	0.003	86.01	0.11	0.11	0.00
5.70	0.14	0.003	86.01	0.12	0.12	0.00
5.75	0.14	0.003	86.01	0.12	0.12	0.00
5.80	0.14	0.003	86.01	0.12	0.12	0.00
5.85	0.14	0.004	86.01	0.12	0.12	0.00
5.90	0.14	0.004	86.02	0.13	0.13	0.00
5.95	0.14	0.004	86.02	0.13	0.13	0.00
6.00	0.14	0.004	86.02	0.13	0.13	0.00
6.05	0.14	0.004	86.02	0.13	0.13	0.00
6.10	0.14	0.004	86.02	0.13	0.13	0.00
6.15	0.14	0.004	86.02	0.13	0.13	0.00
6.20	0.14	0.004	86.02	0.14	0.14	0.00
6.25	0.14	0.004	86.02	0.14	0.14	0.00
6.30	0.15	0.004	86.02	0.14	0.14	0.00
6.35	0.15	0.004	86.02	0.14	0.14	0.00
6.40	0.15	0.004	86.02	0.14	0.14	0.00
6.45	0.15	0.004	86.02	0.14	0.14	0.00
6.50	0.15	0.004	86.02	0.14	0.14	0.00
6.55	0.15	0.004	86.02	0.14	0.14	0.00
6.60	0.16	0.004	86.02	0.15	0.15	0.00
6.65	0.16	0.004	86.02	0.15	0.15	0.00
6.70	0.16	0.004	86.02	0.15	0.15	0.00
6.75	0.16	0.004	86.02	0.15	0.15	0.00
6.80	0.16	0.004	86.02	0.15	0.15	0.00
6.85	0.16	0.004	86.02	0.15	0.15	0.00
6.90	0.17	0.004	86.02	0.15	0.15	0.00
6.95	0.17	0.004	86.02	0.16	0.16	0.00
7.00	0.17	0.004	86.02	0.16	0.16	0.00
7.05	0.17	0.005	86.02	0.16	0.16	0.00
7.10	0.17	0.005	86.02	0.16	0.16	0.00
7.15	0.17	0.005	86.02	0.16	0.16	0.00
7.20	0.17	0.005	86.02	0.16	0.16	0.00
7.25	0.18	0.005	86.02	0.17	0.17	0.00
7.30	0.18	0.005	86.02	0.17	0.17	0.00
7.35	0.18	0.005	86.02	0.17	0.17	0.00
7.40	0.18	0.005	86.02	0.17	0.17	0.00
7.45	0.18	0.005	86.02	0.17	0.17	0.00
7.50	0.18	0.005	86.02	0.17	0.17	0.00
7.55	0.19	0.005	86.02	0.18	0.18	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.19	0.005	86.02	0.18	0.18	0.00
7.65	0.19	0.005	86.02	0.18	0.18	0.00
7.70	0.19	0.005	86.02	0.18	0.18	0.00
7.75	0.19	0.005	86.02	0.18	0.18	0.00
7.80	0.19	0.005	86.02	0.18	0.18	0.00
7.85	0.20	0.005	86.02	0.19	0.19	0.00
7.90	0.20	0.005	86.02	0.19	0.19	0.00
7.95	0.20	0.005	86.02	0.19	0.19	0.00
8.00	0.20	0.005	86.02	0.19	0.19	0.00
8.05	0.20	0.005	86.02	0.19	0.19	0.00
8.10	0.20	0.006	86.02	0.19	0.19	0.00
8.15	0.21	0.006	86.02	0.20	0.20	0.00
8.20	0.21	0.006	86.02	0.20	0.20	0.00
8.25	0.21	0.006	86.02	0.20	0.20	0.00
8.30	0.21	0.006	86.02	0.20	0.20	0.00
8.35	0.21	0.006	86.02	0.20	0.20	0.00
8.40	0.21	0.006	86.02	0.20	0.20	0.00
8.45	0.22	0.006	86.02	0.20	0.20	0.00
8.50	0.22	0.006	86.02	0.21	0.21	0.00
8.55	0.22	0.006	86.02	0.21	0.21	0.00
8.60	0.22	0.006	86.02	0.21	0.21	0.00
8.65	0.22	0.006	86.03	0.21	0.21	0.00
8.70	0.22	0.006	86.03	0.21	0.21	0.00
8.75	0.23	0.006	86.03	0.21	0.21	0.00
8.80	0.23	0.006	86.03	0.22	0.22	0.00
8.85	0.23	0.006	86.03	0.22	0.22	0.00
8.90	0.23	0.006	86.03	0.22	0.22	0.00
8.95	0.23	0.006	86.03	0.22	0.22	0.00
9.00	0.23	0.006	86.03	0.22	0.22	0.00
9.05	0.24	0.006	86.03	0.22	0.22	0.00
9.10	0.24	0.006	86.03	0.23	0.23	0.00
9.15	0.24	0.007	86.03	0.23	0.23	0.00
9.20	0.25	0.007	86.03	0.23	0.23	0.00
9.25	0.25	0.007	86.03	0.23	0.23	0.00
9.30	0.25	0.007	86.03	0.24	0.24	0.00
9.35	0.26	0.007	86.03	0.24	0.24	0.00
9.40	0.26	0.007	86.03	0.24	0.24	0.00
9.45	0.27	0.007	86.03	0.24	0.24	0.00
9.50	0.27	0.007	86.03	0.25	0.25	0.00
9.55	0.28	0.007	86.03	0.25	0.25	0.00
9.60	0.28	0.007	86.03	0.26	0.26	0.00
9.65	0.29	0.007	86.03	0.26	0.26	0.00
9.70	0.29	0.008	86.03	0.26	0.26	0.00
9.75	0.30	0.008	86.03	0.27	0.27	0.00
9.80	0.30	0.008	86.03	0.27	0.27	0.00
9.85	0.31	0.008	86.03	0.28	0.28	0.00
9.90	0.31	0.008	86.03	0.28	0.28	0.00
9.95	0.32	0.008	86.03	0.29	0.29	0.00
10.00	0.32	0.008	86.03	0.29	0.29	0.00
10.05	0.33	0.008	86.04	0.30	0.30	0.00
10.10	0.34	0.009	86.04	0.30	0.30	0.00
10.15	0.34	0.009	86.04	0.31	0.31	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.35	0.009	86.04	0.31	0.31	0.00
10.25	0.35	0.009	86.04	0.32	0.32	0.00
10.30	0.36	0.009	86.04	0.32	0.32	0.00
10.35	0.36	0.009	86.04	0.33	0.33	0.00
10.40	0.37	0.009	86.04	0.33	0.33	0.00
10.45	0.37	0.010	86.04	0.34	0.34	0.00
10.50	0.38	0.010	86.04	0.34	0.34	0.00
10.55	0.38	0.010	86.04	0.35	0.35	0.00
10.60	0.39	0.010	86.04	0.35	0.35	0.00
10.65	0.40	0.010	86.04	0.36	0.36	0.00
10.70	0.41	0.010	86.04	0.36	0.36	0.00
10.75	0.43	0.011	86.04	0.37	0.37	0.00
10.80	0.44	0.011	86.05	0.38	0.38	0.00
10.85	0.46	0.011	86.05	0.39	0.39	0.00
10.90	0.47	0.011	86.05	0.40	0.40	0.00
10.95	0.49	0.012	86.05	0.41	0.41	0.00
11.00	0.51	0.012	86.05	0.42	0.42	0.00
11.05	0.53	0.012	86.05	0.42	0.42	0.00
11.10	0.55	0.013	86.05	0.42	0.42	0.00
11.15	0.57	0.013	86.06	0.42	0.42	0.00
11.20	0.59	0.014	86.06	0.42	0.42	0.00
11.25	0.62	0.015	86.06	0.43	0.43	0.00
11.30	0.64	0.016	86.07	0.43	0.43	0.00
11.35	0.67	0.017	86.07	0.43	0.43	0.00
11.40	0.70	0.018	86.07	0.43	0.43	0.00
11.45	0.73	0.019	86.08	0.43	0.43	0.00
11.50	0.76	0.020	86.08	0.43	0.43	0.00
11.55	0.79	0.022	86.09	0.44	0.44	0.00
11.60	0.84	0.023	86.10	0.44	0.44	0.00
11.65	0.91	0.025	86.10	0.44	0.44	0.00
11.70	0.97	0.027	86.11	0.44	0.44	0.00
11.75	1.04	0.029	86.12	0.45	0.45	0.00
11.80	1.14	0.032	86.13	0.45	0.45	0.00
11.85	1.27	0.035	86.15	0.46	0.46	0.00
11.90	1.46	0.039	86.16	0.46	0.46	0.00
11.95	1.71	0.043	86.18	0.47	0.47	0.00
12.00	2.11	0.049	86.21	0.48	0.48	0.00
12.05	2.65	0.057	86.24	0.49	0.49	0.00
12.10	3.42	0.068	86.28	0.51	0.51	0.00
12.15	4.19	0.081	86.34	0.53	0.53	0.00
12.20	4.35	0.097	86.40	0.55	0.55	0.00
12.25	4.01	0.112	86.46	0.58	0.58	0.00
12.30	3.60	0.125	86.52	0.60	0.60	0.00
12.35	3.22	0.136	86.57	0.62	0.62	0.00
12.40	2.88	0.146	86.61	0.64	0.64	0.00
12.45	2.57	0.155	86.65	0.65	0.65	0.00
12.50	2.31	0.162	86.68	0.66	0.66	0.00
12.55	2.11	0.169	86.70	0.68	0.68	0.00
12.60	1.91	0.174	86.73	0.68	0.68	0.00
12.65	1.73	0.179	86.75	0.69	0.69	0.00
12.70	1.58	0.183	86.76	0.70	0.70	0.00
12.75	1.45	0.186	86.78	0.71	0.71	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	1.35	0.189	86.79	0.71	0.71	0.00
12.85	1.26	0.192	86.80	0.71	0.71	0.00
12.90	1.20	0.194	86.81	0.72	0.72	0.00
12.95	1.14	0.196	86.81	0.72	0.72	0.00
13.00	1.09	0.197	86.82	0.72	0.72	0.00
13.05	1.04	0.199	86.83	0.73	0.73	0.00
13.10	1.00	0.200	86.83	0.73	0.73	0.00
13.15	0.96	0.201	86.84	0.73	0.73	0.00
13.20	0.92	0.202	86.84	0.73	0.73	0.00
13.25	0.89	0.202	86.84	0.73	0.73	0.00
13.30	0.87	0.203	86.85	0.73	0.73	0.00
13.35	0.84	0.204	86.85	0.74	0.74	0.00
13.40	0.82	0.204	86.85	0.74	0.74	0.00
13.45	0.80	0.204	86.85	0.74	0.74	0.00
13.50	0.77	0.204	86.85	0.74	0.74	0.00
13.55	0.75	0.205	86.85	0.74	0.74	0.00
13.60	0.73	0.205	86.85	0.74	0.74	0.00
13.65	0.71	0.204	86.85	0.74	0.74	0.00
13.70	0.69	0.204	86.85	0.74	0.74	0.00
13.75	0.67	0.204	86.85	0.74	0.74	0.00
13.80	0.66	0.204	86.85	0.74	0.74	0.00
13.85	0.64	0.203	86.85	0.73	0.73	0.00
13.90	0.63	0.203	86.85	0.73	0.73	0.00
13.95	0.62	0.203	86.84	0.73	0.73	0.00
14.00	0.61	0.202	86.84	0.73	0.73	0.00
14.05	0.60	0.201	86.84	0.73	0.73	0.00
14.10	0.59	0.201	86.84	0.73	0.73	0.00
14.15	0.58	0.200	86.83	0.73	0.73	0.00
14.20	0.57	0.200	86.83	0.73	0.73	0.00
14.25	0.56	0.199	86.83	0.73	0.73	0.00
14.30	0.56	0.198	86.83	0.73	0.73	0.00
14.35	0.55	0.198	86.82	0.72	0.72	0.00
14.40	0.54	0.197	86.82	0.72	0.72	0.00
14.45	0.53	0.196	86.82	0.72	0.72	0.00
14.50	0.53	0.195	86.81	0.72	0.72	0.00
14.55	0.52	0.194	86.81	0.72	0.72	0.00
14.60	0.51	0.194	86.81	0.72	0.72	0.00
14.65	0.50	0.193	86.80	0.72	0.72	0.00
14.70	0.50	0.192	86.80	0.71	0.71	0.00
14.75	0.49	0.191	86.80	0.71	0.71	0.00
14.80	0.48	0.190	86.79	0.71	0.71	0.00
14.85	0.47	0.189	86.79	0.71	0.71	0.00
14.90	0.47	0.188	86.78	0.71	0.71	0.00
14.95	0.46	0.187	86.78	0.71	0.71	0.00
15.00	0.45	0.186	86.78	0.70	0.70	0.00
15.05	0.45	0.185	86.77	0.70	0.70	0.00
15.10	0.44	0.184	86.77	0.70	0.70	0.00
15.15	0.43	0.183	86.76	0.70	0.70	0.00
15.20	0.42	0.182	86.76	0.70	0.70	0.00
15.25	0.42	0.181	86.75	0.70	0.70	0.00
15.30	0.41	0.179	86.75	0.69	0.69	0.00
15.35	0.41	0.178	86.74	0.69	0.69	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.40	0.177	86.74	0.69	0.69	0.00
15.45	0.40	0.176	86.73	0.69	0.69	0.00
15.50	0.40	0.175	86.73	0.69	0.69	0.00
15.55	0.39	0.174	86.72	0.68	0.68	0.00
15.60	0.39	0.172	86.72	0.68	0.68	0.00
15.65	0.39	0.171	86.71	0.68	0.68	0.00
15.70	0.38	0.170	86.71	0.68	0.68	0.00
15.75	0.38	0.169	86.70	0.68	0.68	0.00
15.80	0.38	0.167	86.70	0.67	0.67	0.00
15.85	0.38	0.166	86.69	0.67	0.67	0.00
15.90	0.37	0.165	86.69	0.67	0.67	0.00
15.95	0.37	0.164	86.68	0.67	0.67	0.00
16.00	0.37	0.163	86.68	0.66	0.66	0.00
16.05	0.37	0.161	86.67	0.66	0.66	0.00
16.10	0.36	0.160	86.67	0.66	0.66	0.00
16.15	0.36	0.159	86.66	0.66	0.66	0.00
16.20	0.36	0.158	86.66	0.66	0.66	0.00
16.25	0.36	0.157	86.65	0.65	0.65	0.00
16.30	0.36	0.155	86.65	0.65	0.65	0.00
16.35	0.35	0.154	86.64	0.65	0.65	0.00
16.40	0.35	0.153	86.64	0.65	0.65	0.00
16.45	0.35	0.152	86.63	0.65	0.65	0.00
16.50	0.35	0.150	86.63	0.64	0.64	0.00
16.55	0.34	0.149	86.62	0.64	0.64	0.00
16.60	0.34	0.148	86.62	0.64	0.64	0.00
16.65	0.34	0.147	86.61	0.64	0.64	0.00
16.70	0.34	0.145	86.61	0.64	0.64	0.00
16.75	0.34	0.144	86.60	0.63	0.63	0.00
16.80	0.33	0.143	86.60	0.63	0.63	0.00
16.85	0.33	0.142	86.59	0.63	0.63	0.00
16.90	0.33	0.141	86.59	0.63	0.63	0.00
16.95	0.33	0.139	86.58	0.63	0.63	0.00
17.00	0.32	0.138	86.58	0.62	0.62	0.00
17.05	0.32	0.137	86.57	0.62	0.62	0.00
17.10	0.32	0.136	86.56	0.62	0.62	0.00
17.15	0.32	0.134	86.56	0.62	0.62	0.00
17.20	0.32	0.133	86.55	0.61	0.61	0.00
17.25	0.31	0.132	86.55	0.61	0.61	0.00
17.30	0.31	0.131	86.54	0.61	0.61	0.00
17.35	0.31	0.129	86.54	0.61	0.61	0.00
17.40	0.31	0.128	86.53	0.61	0.61	0.00
17.45	0.30	0.127	86.53	0.60	0.60	0.00
17.50	0.30	0.126	86.52	0.60	0.60	0.00
17.55	0.30	0.124	86.52	0.60	0.60	0.00
17.60	0.30	0.123	86.51	0.60	0.60	0.00
17.65	0.30	0.122	86.51	0.60	0.60	0.00
17.70	0.29	0.121	86.50	0.59	0.59	0.00
17.75	0.29	0.119	86.50	0.59	0.59	0.00
17.80	0.29	0.118	86.49	0.59	0.59	0.00
17.85	0.29	0.117	86.49	0.59	0.59	0.00
17.90	0.28	0.116	86.48	0.59	0.59	0.00
17.95	0.28	0.114	86.48	0.58	0.58	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.28	0.113	86.47	0.58	0.58	0.00
18.05	0.28	0.112	86.47	0.58	0.58	0.00
18.10	0.27	0.111	86.46	0.58	0.58	0.00
18.15	0.27	0.109	86.46	0.58	0.58	0.00
18.20	0.27	0.108	86.45	0.57	0.57	0.00
18.25	0.27	0.107	86.45	0.57	0.57	0.00
18.30	0.27	0.106	86.44	0.57	0.57	0.00
18.35	0.26	0.104	86.44	0.57	0.57	0.00
18.40	0.26	0.103	86.43	0.57	0.57	0.00
18.45	0.26	0.102	86.42	0.56	0.56	0.00
18.50	0.26	0.101	86.42	0.56	0.56	0.00
18.55	0.26	0.099	86.41	0.56	0.56	0.00
18.60	0.26	0.098	86.41	0.56	0.56	0.00
18.65	0.26	0.097	86.40	0.56	0.56	0.00
18.70	0.26	0.096	86.40	0.55	0.55	0.00
18.75	0.26	0.095	86.39	0.55	0.55	0.00
18.80	0.26	0.093	86.39	0.55	0.55	0.00
18.85	0.26	0.092	86.38	0.55	0.55	0.00
18.90	0.25	0.091	86.38	0.55	0.55	0.00
18.95	0.25	0.090	86.37	0.54	0.54	0.00
19.00	0.25	0.089	86.37	0.54	0.54	0.00
19.05	0.25	0.087	86.36	0.54	0.54	0.00
19.10	0.25	0.086	86.36	0.54	0.54	0.00
19.15	0.25	0.085	86.35	0.54	0.54	0.00
19.20	0.25	0.084	86.35	0.53	0.53	0.00
19.25	0.25	0.083	86.34	0.53	0.53	0.00
19.30	0.25	0.081	86.34	0.53	0.53	0.00
19.35	0.25	0.080	86.33	0.53	0.53	0.00
19.40	0.25	0.079	86.33	0.53	0.53	0.00
19.45	0.25	0.078	86.32	0.52	0.52	0.00
19.50	0.25	0.077	86.32	0.52	0.52	0.00
19.55	0.25	0.076	86.32	0.52	0.52	0.00
19.60	0.25	0.075	86.31	0.52	0.52	0.00
19.65	0.25	0.073	86.31	0.52	0.52	0.00
19.70	0.24	0.072	86.30	0.52	0.52	0.00
19.75	0.24	0.071	86.30	0.51	0.51	0.00
19.80	0.24	0.070	86.29	0.51	0.51	0.00
19.85	0.24	0.069	86.29	0.51	0.51	0.00
19.90	0.24	0.068	86.28	0.51	0.51	0.00
19.95	0.24	0.067	86.28	0.51	0.51	0.00
20.00	0.24	0.066	86.27	0.51	0.51	0.00
20.05	0.24	0.065	86.27	0.50	0.50	0.00
20.10	0.24	0.064	86.26	0.50	0.50	0.00
20.15	0.24	0.062	86.26	0.50	0.50	0.00
20.20	0.24	0.061	86.26	0.50	0.50	0.00
20.25	0.24	0.060	86.25	0.50	0.50	0.00
20.30	0.24	0.059	86.25	0.49	0.49	0.00
20.35	0.24	0.058	86.24	0.49	0.49	0.00
20.40	0.24	0.057	86.24	0.49	0.49	0.00
20.45	0.24	0.056	86.23	0.49	0.49	0.00
20.50	0.24	0.055	86.23	0.49	0.49	0.00
20.55	0.24	0.054	86.23	0.49	0.49	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.24	0.053	86.22	0.48	0.48	0.00
20.65	0.24	0.052	86.22	0.48	0.48	0.00
20.70	0.23	0.051	86.21	0.48	0.48	0.00
20.75	0.23	0.050	86.21	0.48	0.48	0.00
20.80	0.23	0.049	86.20	0.48	0.48	0.00
20.85	0.23	0.048	86.20	0.48	0.48	0.00
20.90	0.23	0.047	86.20	0.48	0.48	0.00
20.95	0.23	0.046	86.19	0.47	0.47	0.00
21.00	0.23	0.045	86.19	0.47	0.47	0.00
21.05	0.23	0.044	86.18	0.47	0.47	0.00
21.10	0.23	0.043	86.18	0.47	0.47	0.00
21.15	0.23	0.042	86.17	0.47	0.47	0.00
21.20	0.23	0.041	86.17	0.47	0.47	0.00
21.25	0.23	0.040	86.17	0.46	0.46	0.00
21.30	0.23	0.039	86.16	0.46	0.46	0.00
21.35	0.23	0.038	86.16	0.46	0.46	0.00
21.40	0.23	0.037	86.15	0.46	0.46	0.00
21.45	0.23	0.036	86.15	0.46	0.46	0.00
21.50	0.23	0.035	86.15	0.46	0.46	0.00
21.55	0.23	0.034	86.14	0.46	0.46	0.00
21.60	0.23	0.033	86.14	0.45	0.45	0.00
21.65	0.22	0.032	86.13	0.45	0.45	0.00
21.70	0.22	0.031	86.13	0.45	0.45	0.00
21.75	0.22	0.030	86.13	0.45	0.45	0.00
21.80	0.22	0.029	86.12	0.45	0.45	0.00
21.85	0.22	0.029	86.12	0.45	0.45	0.00
21.90	0.22	0.028	86.12	0.45	0.45	0.00
21.95	0.22	0.027	86.11	0.44	0.44	0.00
22.00	0.22	0.026	86.11	0.44	0.44	0.00
22.05	0.22	0.025	86.10	0.44	0.44	0.00
22.10	0.22	0.024	86.10	0.44	0.44	0.00
22.15	0.22	0.023	86.10	0.44	0.44	0.00
22.20	0.22	0.022	86.09	0.44	0.44	0.00
22.25	0.22	0.021	86.09	0.44	0.44	0.00
22.30	0.22	0.020	86.08	0.43	0.43	0.00
22.35	0.22	0.019	86.08	0.43	0.43	0.00
22.40	0.22	0.019	86.08	0.43	0.43	0.00
22.45	0.22	0.018	86.07	0.43	0.43	0.00
22.50	0.21	0.017	86.07	0.43	0.43	0.00
22.55	0.21	0.016	86.07	0.43	0.43	0.00
22.60	0.21	0.015	86.06	0.43	0.43	0.00
22.65	0.21	0.014	86.06	0.42	0.42	0.00
22.70	0.21	0.013	86.06	0.42	0.42	0.00
22.75	0.21	0.012	86.05	0.42	0.42	0.00
22.80	0.21	0.012	86.05	0.41	0.41	0.00
22.85	0.21	0.011	86.05	0.38	0.38	0.00
22.90	0.21	0.010	86.04	0.36	0.36	0.00
22.95	0.21	0.010	86.04	0.34	0.34	0.00
23.00	0.21	0.009	86.04	0.32	0.32	0.00
23.05	0.21	0.009	86.04	0.30	0.30	0.00
23.10	0.21	0.008	86.03	0.29	0.29	0.00
23.15	0.21	0.008	86.03	0.28	0.28	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.21	0.008	86.03	0.27	0.27	0.00
23.25	0.21	0.007	86.03	0.26	0.26	0.00
23.30	0.21	0.007	86.03	0.25	0.25	0.00
23.35	0.20	0.007	86.03	0.25	0.25	0.00
23.40	0.20	0.007	86.03	0.24	0.24	0.00
23.45	0.20	0.007	86.03	0.24	0.24	0.00
23.50	0.20	0.007	86.03	0.23	0.23	0.00
23.55	0.20	0.006	86.03	0.23	0.23	0.00
23.60	0.20	0.006	86.03	0.22	0.22	0.00
23.65	0.20	0.006	86.03	0.22	0.22	0.00
23.70	0.20	0.006	86.03	0.22	0.22	0.00
23.75	0.20	0.006	86.03	0.22	0.22	0.00
23.80	0.20	0.006	86.03	0.21	0.21	0.00
23.85	0.20	0.006	86.03	0.21	0.21	0.00
23.90	0.20	0.006	86.02	0.21	0.21	0.00
23.95	0.20	0.006	86.02	0.21	0.21	0.00
24.00	0.20	0.006	86.02	0.21	0.21	0.00
24.05	0.20	0.006	86.02	0.21	0.21	0.00
24.10	0.18	0.006	86.02	0.20	0.20	0.00
24.15	0.16	0.006	86.02	0.20	0.20	0.00
24.20	0.14	0.005	86.02	0.19	0.19	0.00
24.25	0.12	0.005	86.02	0.18	0.18	0.00
24.30	0.11	0.005	86.02	0.17	0.17	0.00
24.35	0.09	0.005	86.02	0.16	0.16	0.00
24.40	0.08	0.004	86.02	0.15	0.15	0.00
24.45	0.07	0.004	86.02	0.14	0.14	0.00
24.50	0.06	0.004	86.02	0.13	0.13	0.00
24.55	0.05	0.003	86.01	0.12	0.12	0.00
24.60	0.05	0.003	86.01	0.11	0.11	0.00
24.65	0.04	0.003	86.01	0.10	0.10	0.00
24.70	0.04	0.003	86.01	0.10	0.10	0.00
24.75	0.03	0.002	86.01	0.09	0.09	0.00
24.80	0.03	0.002	86.01	0.08	0.08	0.00
24.85	0.03	0.002	86.01	0.07	0.07	0.00
24.90	0.02	0.002	86.01	0.07	0.07	0.00
24.95	0.02	0.002	86.01	0.06	0.06	0.00
25.00	0.02	0.002	86.01	0.05	0.05	0.00
25.05	0.02	0.001	86.01	0.05	0.05	0.00
25.10	0.02	0.001	86.01	0.05	0.05	0.00
25.15	0.01	0.001	86.00	0.04	0.04	0.00
25.20	0.01	0.001	86.00	0.04	0.04	0.00
25.25	0.01	0.001	86.00	0.03	0.03	0.00
25.30	0.01	0.001	86.00	0.03	0.03	0.00
25.35	0.01	0.001	86.00	0.03	0.03	0.00
25.40	0.01	0.001	86.00	0.03	0.03	0.00
25.45	0.01	0.001	86.00	0.02	0.02	0.00
25.50	0.01	0.001	86.00	0.02	0.02	0.00
25.55	0.01	0.001	86.00	0.02	0.02	0.00
25.60	0.01	0.000	86.00	0.02	0.02	0.00
25.65	0.00	0.000	86.00	0.02	0.02	0.00
25.70	0.00	0.000	86.00	0.01	0.01	0.00
25.75	0.00	0.000	86.00	0.01	0.01	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	86.00	0.01	0.01	0.00
25.85	0.00	0.000	86.00	0.01	0.01	0.00
25.90	0.00	0.000	86.00	0.01	0.01	0.00
25.95	0.00	0.000	86.00	0.01	0.01	0.00
26.00	0.00	0.000	86.00	0.01	0.01	0.00
26.05	0.00	0.000	86.00	0.01	0.01	0.00
26.10	0.00	0.000	86.00	0.01	0.01	0.00
26.15	0.00	0.000	86.00	0.01	0.01	0.00
26.20	0.00	0.000	86.00	0.00	0.00	0.00
26.25	0.00	0.000	86.00	0.00	0.00	0.00
26.30	0.00	0.000	86.00	0.00	0.00	0.00
26.35	0.00	0.000	86.00	0.00	0.00	0.00
26.40	0.00	0.000	86.00	0.00	0.00	0.00
26.45	0.00	0.000	86.00	0.00	0.00	0.00
26.50	0.00	0.000	86.00	0.00	0.00	0.00
26.55	0.00	0.000	86.00	0.00	0.00	0.00
26.60	0.00	0.000	86.00	0.00	0.00	0.00
26.65	0.00	0.000	86.00	0.00	0.00	0.00
26.70	0.00	0.000	86.00	0.00	0.00	0.00
26.75	0.00	0.000	86.00	0.00	0.00	0.00
26.80	0.00	0.000	86.00	0.00	0.00	0.00
26.85	0.00	0.000	86.00	0.00	0.00	0.00
26.90	0.00	0.000	86.00	0.00	0.00	0.00
26.95	0.00	0.000	86.00	0.00	0.00	0.00
27.00	0.00	0.000	86.00	0.00	0.00	0.00
27.05	0.00	0.000	86.00	0.00	0.00	0.00
27.10	0.00	0.000	86.00	0.00	0.00	0.00
27.15	0.00	0.000	86.00	0.00	0.00	0.00
27.20	0.00	0.000	86.00	0.00	0.00	0.00
27.25	0.00	0.000	86.00	0.00	0.00	0.00
27.30	0.00	0.000	86.00	0.00	0.00	0.00
27.35	0.00	0.000	86.00	0.00	0.00	0.00
27.40	0.00	0.000	86.00	0.00	0.00	0.00
27.45	0.00	0.000	86.00	0.00	0.00	0.00
27.50	0.00	0.000	86.00	0.00	0.00	0.00
27.55	0.00	0.000	86.00	0.00	0.00	0.00
27.60	0.00	0.000	86.00	0.00	0.00	0.00
27.65	0.00	0.000	86.00	0.00	0.00	0.00
27.70	0.00	0.000	86.00	0.00	0.00	0.00
27.75	0.00	0.000	86.00	0.00	0.00	0.00
27.80	0.00	0.000	86.00	0.00	0.00	0.00
27.85	0.00	0.000	86.00	0.00	0.00	0.00
27.90	0.00	0.000	86.00	0.00	0.00	0.00
27.95	0.00	0.000	86.00	0.00	0.00	0.00
28.00	0.00	0.000	86.00	0.00	0.00	0.00
28.05	0.00	0.000	86.00	0.00	0.00	0.00
28.10	0.00	0.000	86.00	0.00	0.00	0.00
28.15	0.00	0.000	86.00	0.00	0.00	0.00
28.20	0.00	0.000	86.00	0.00	0.00	0.00
28.25	0.00	0.000	86.00	0.00	0.00	0.00
28.30	0.00	0.000	86.00	0.00	0.00	0.00
28.35	0.00	0.000	86.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	86.00	0.00	0.00	0.00
28.45	0.00	0.000	86.00	0.00	0.00	0.00
28.50	0.00	0.000	86.00	0.00	0.00	0.00
28.55	0.00	0.000	86.00	0.00	0.00	0.00
28.60	0.00	0.000	86.00	0.00	0.00	0.00
28.65	0.00	0.000	86.00	0.00	0.00	0.00
28.70	0.00	0.000	86.00	0.00	0.00	0.00
28.75	0.00	0.000	86.00	0.00	0.00	0.00
28.80	0.00	0.000	86.00	0.00	0.00	0.00
28.85	0.00	0.000	86.00	0.00	0.00	0.00
28.90	0.00	0.000	86.00	0.00	0.00	0.00
28.95	0.00	0.000	86.00	0.00	0.00	0.00
29.00	0.00	0.000	86.00	0.00	0.00	0.00
29.05	0.00	0.000	86.00	0.00	0.00	0.00
29.10	0.00	0.000	86.00	0.00	0.00	0.00
29.15	0.00	0.000	86.00	0.00	0.00	0.00
29.20	0.00	0.000	86.00	0.00	0.00	0.00
29.25	0.00	0.000	86.00	0.00	0.00	0.00
29.30	0.00	0.000	86.00	0.00	0.00	0.00
29.35	0.00	0.000	86.00	0.00	0.00	0.00
29.40	0.00	0.000	86.00	0.00	0.00	0.00
29.45	0.00	0.000	86.00	0.00	0.00	0.00
29.50	0.00	0.000	86.00	0.00	0.00	0.00
29.55	0.00	0.000	86.00	0.00	0.00	0.00
29.60	0.00	0.000	86.00	0.00	0.00	0.00
29.65	0.00	0.000	86.00	0.00	0.00	0.00
29.70	0.00	0.000	86.00	0.00	0.00	0.00
29.75	0.00	0.000	86.00	0.00	0.00	0.00
29.80	0.00	0.000	86.00	0.00	0.00	0.00
29.85	0.00	0.000	86.00	0.00	0.00	0.00
29.90	0.00	0.000	86.00	0.00	0.00	0.00
29.95	0.00	0.000	86.00	0.00	0.00	0.00
30.00	0.00	0.000	86.00	0.00	0.00	0.00

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Summary for Pond Basin 4 & 5: Basin 4 & 5

Inflow Area = 4.200 ac, 26.19% Impervious, Inflow Depth > 1.85" for 25 Year event
 Inflow = 4.03 cfs @ 12.19 hrs, Volume= 0.649 af
 Outflow = 0.65 cfs @ 13.63 hrs, Volume= 0.649 af, Atten= 84%, Lag= 86.3 min
 Discarded = 0.59 cfs @ 13.63 hrs, Volume= 0.639 af
 Primary = 0.06 cfs @ 13.63 hrs, Volume= 0.010 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 89.70' @ 13.63 hrs Surf.Area= 0.189 ac Storage= 0.232 af

Plug-Flow detention time= 201.1 min calculated for 0.649 af (100% of inflow)
 Center-of-Mass det. time= 200.5 min (1,034.7 - 834.2)

Volume	Invert	Avail.Storage	Storage Description
#1	88.00'	1.690 af	Rain Garden Basin 4 & 5 (Prismatic) Listed below

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
88.00	0.080	0.000	0.000
89.00	0.140	0.110	0.110
90.00	0.210	0.175	0.285
91.00	0.280	0.245	0.530
92.00	0.350	0.315	0.845
93.00	0.420	0.385	1.230
94.00	0.500	0.460	1.690

Device	Routing	Invert	Outlet Devices
#1	Discarded	88.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 86.00'
#2	Primary	89.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	91.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.59 cfs @ 13.63 hrs HW=89.70' (Free Discharge)

↑1=Exfiltration (Controls 0.59 cfs)

Primary OutFlow Max=0.06 cfs @ 13.63 hrs HW=89.70' (Free Discharge)

↑2=Orifice/Grate (Orifice Controls 0.06 cfs @ 1.52 fps)

↑3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.12	0.000	88.00	0.01	0.01	0.00
5.05	0.12	0.001	88.01	0.02	0.02	0.00
5.10	0.12	0.001	88.01	0.03	0.03	0.00
5.15	0.12	0.001	88.01	0.04	0.04	0.00
5.20	0.12	0.002	88.02	0.05	0.05	0.00
5.25	0.12	0.002	88.02	0.05	0.05	0.00
5.30	0.12	0.002	88.02	0.06	0.06	0.00
5.35	0.12	0.003	88.02	0.07	0.07	0.00
5.40	0.12	0.003	88.03	0.07	0.07	0.00
5.45	0.12	0.003	88.03	0.08	0.08	0.00
5.50	0.12	0.003	88.03	0.08	0.08	0.00
5.55	0.12	0.003	88.03	0.09	0.09	0.00
5.60	0.12	0.003	88.03	0.09	0.09	0.00
5.65	0.12	0.004	88.03	0.09	0.09	0.00
5.70	0.13	0.004	88.03	0.10	0.10	0.00
5.75	0.13	0.004	88.03	0.10	0.10	0.00
5.80	0.13	0.004	88.04	0.10	0.10	0.00
5.85	0.13	0.004	88.04	0.11	0.11	0.00
5.90	0.13	0.004	88.04	0.11	0.11	0.00
5.95	0.13	0.004	88.04	0.11	0.11	0.00
6.00	0.13	0.004	88.04	0.11	0.11	0.00
6.05	0.13	0.004	88.04	0.11	0.11	0.00
6.10	0.13	0.004	88.04	0.11	0.11	0.00
6.15	0.13	0.004	88.04	0.12	0.12	0.00
6.20	0.13	0.004	88.04	0.12	0.12	0.00
6.25	0.13	0.005	88.04	0.12	0.12	0.00
6.30	0.13	0.005	88.04	0.12	0.12	0.00
6.35	0.14	0.005	88.04	0.12	0.12	0.00
6.40	0.14	0.005	88.04	0.12	0.12	0.00
6.45	0.14	0.005	88.04	0.12	0.12	0.00
6.50	0.14	0.005	88.04	0.13	0.13	0.00
6.55	0.14	0.005	88.04	0.13	0.13	0.00
6.60	0.14	0.005	88.04	0.13	0.13	0.00
6.65	0.14	0.005	88.05	0.13	0.13	0.00
6.70	0.15	0.005	88.05	0.13	0.13	0.00
6.75	0.15	0.005	88.05	0.13	0.13	0.00
6.80	0.15	0.005	88.05	0.13	0.13	0.00
6.85	0.15	0.005	88.05	0.14	0.14	0.00
6.90	0.15	0.005	88.05	0.14	0.14	0.00
6.95	0.15	0.005	88.05	0.14	0.14	0.00
7.00	0.15	0.005	88.05	0.14	0.14	0.00
7.05	0.16	0.005	88.05	0.14	0.14	0.00
7.10	0.16	0.005	88.05	0.14	0.14	0.00
7.15	0.16	0.006	88.05	0.15	0.15	0.00
7.20	0.16	0.006	88.05	0.15	0.15	0.00
7.25	0.16	0.006	88.05	0.15	0.15	0.00
7.30	0.16	0.006	88.05	0.15	0.15	0.00
7.35	0.16	0.006	88.05	0.15	0.15	0.00
7.40	0.17	0.006	88.05	0.15	0.15	0.00
7.45	0.17	0.006	88.05	0.15	0.15	0.00
7.50	0.17	0.006	88.05	0.16	0.16	0.00
7.55	0.17	0.006	88.05	0.16	0.16	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.17	0.006	88.05	0.16	0.16	0.00
7.65	0.17	0.006	88.06	0.16	0.16	0.00
7.70	0.18	0.006	88.06	0.16	0.16	0.00
7.75	0.18	0.006	88.06	0.16	0.16	0.00
7.80	0.18	0.006	88.06	0.16	0.16	0.00
7.85	0.18	0.006	88.06	0.17	0.17	0.00
7.90	0.18	0.006	88.06	0.17	0.17	0.00
7.95	0.18	0.006	88.06	0.17	0.17	0.00
8.00	0.18	0.006	88.06	0.17	0.17	0.00
8.05	0.19	0.007	88.06	0.17	0.17	0.00
8.10	0.19	0.007	88.06	0.17	0.17	0.00
8.15	0.19	0.007	88.06	0.17	0.17	0.00
8.20	0.19	0.007	88.06	0.17	0.17	0.00
8.25	0.19	0.007	88.06	0.17	0.17	0.00
8.30	0.19	0.007	88.06	0.17	0.17	0.00
8.35	0.20	0.007	88.06	0.17	0.17	0.00
8.40	0.20	0.007	88.06	0.17	0.17	0.00
8.45	0.20	0.007	88.07	0.17	0.17	0.00
8.50	0.20	0.007	88.07	0.17	0.17	0.00
8.55	0.20	0.007	88.07	0.17	0.17	0.00
8.60	0.20	0.007	88.07	0.18	0.18	0.00
8.65	0.20	0.008	88.07	0.18	0.18	0.00
8.70	0.21	0.008	88.07	0.18	0.18	0.00
8.75	0.21	0.008	88.07	0.18	0.18	0.00
8.80	0.21	0.008	88.07	0.18	0.18	0.00
8.85	0.21	0.008	88.07	0.18	0.18	0.00
8.90	0.21	0.008	88.08	0.18	0.18	0.00
8.95	0.21	0.008	88.08	0.18	0.18	0.00
9.00	0.22	0.009	88.08	0.18	0.18	0.00
9.05	0.22	0.009	88.08	0.18	0.18	0.00
9.10	0.22	0.009	88.08	0.18	0.18	0.00
9.15	0.22	0.009	88.08	0.18	0.18	0.00
9.20	0.23	0.009	88.08	0.18	0.18	0.00
9.25	0.23	0.009	88.09	0.18	0.18	0.00
9.30	0.23	0.010	88.09	0.18	0.18	0.00
9.35	0.24	0.010	88.09	0.18	0.18	0.00
9.40	0.24	0.010	88.09	0.18	0.18	0.00
9.45	0.25	0.010	88.09	0.18	0.18	0.00
9.50	0.25	0.011	88.10	0.18	0.18	0.00
9.55	0.25	0.011	88.10	0.18	0.18	0.00
9.60	0.26	0.011	88.10	0.18	0.18	0.00
9.65	0.26	0.012	88.11	0.18	0.18	0.00
9.70	0.27	0.012	88.11	0.18	0.18	0.00
9.75	0.27	0.012	88.11	0.18	0.18	0.00
9.80	0.28	0.013	88.12	0.18	0.18	0.00
9.85	0.28	0.013	88.12	0.19	0.19	0.00
9.90	0.29	0.014	88.12	0.19	0.19	0.00
9.95	0.29	0.014	88.13	0.19	0.19	0.00
10.00	0.30	0.014	88.13	0.19	0.19	0.00
10.05	0.30	0.015	88.13	0.19	0.19	0.00
10.10	0.31	0.015	88.14	0.19	0.19	0.00
10.15	0.31	0.016	88.14	0.19	0.19	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.32	0.016	88.15	0.19	0.19	0.00
10.25	0.32	0.017	88.15	0.19	0.19	0.00
10.30	0.33	0.017	88.16	0.19	0.19	0.00
10.35	0.33	0.018	88.16	0.19	0.19	0.00
10.40	0.34	0.019	88.17	0.20	0.20	0.00
10.45	0.34	0.019	88.17	0.20	0.20	0.00
10.50	0.35	0.020	88.18	0.20	0.20	0.00
10.55	0.35	0.020	88.18	0.20	0.20	0.00
10.60	0.36	0.021	88.19	0.20	0.20	0.00
10.65	0.37	0.022	88.20	0.20	0.20	0.00
10.70	0.38	0.022	88.20	0.20	0.20	0.00
10.75	0.39	0.023	88.21	0.20	0.20	0.00
10.80	0.41	0.024	88.22	0.21	0.21	0.00
10.85	0.42	0.025	88.22	0.21	0.21	0.00
10.90	0.43	0.026	88.23	0.21	0.21	0.00
10.95	0.45	0.027	88.24	0.21	0.21	0.00
11.00	0.47	0.028	88.25	0.21	0.21	0.00
11.05	0.48	0.029	88.26	0.22	0.22	0.00
11.10	0.50	0.030	88.27	0.22	0.22	0.00
11.15	0.52	0.031	88.28	0.22	0.22	0.00
11.20	0.54	0.032	88.29	0.22	0.22	0.00
11.25	0.57	0.034	88.31	0.23	0.23	0.00
11.30	0.59	0.035	88.32	0.23	0.23	0.00
11.35	0.62	0.037	88.33	0.23	0.23	0.00
11.40	0.64	0.038	88.35	0.23	0.23	0.00
11.45	0.67	0.040	88.36	0.24	0.24	0.00
11.50	0.69	0.042	88.38	0.24	0.24	0.00
11.55	0.72	0.044	88.40	0.25	0.25	0.00
11.60	0.77	0.046	88.42	0.25	0.25	0.00
11.65	0.83	0.048	88.44	0.25	0.25	0.00
11.70	0.89	0.051	88.46	0.26	0.26	0.00
11.75	0.95	0.053	88.48	0.26	0.26	0.00
11.80	1.04	0.056	88.51	0.27	0.27	0.00
11.85	1.17	0.060	88.54	0.28	0.28	0.00
11.90	1.34	0.064	88.58	0.29	0.29	0.00
11.95	1.57	0.069	88.62	0.30	0.30	0.00
12.00	1.93	0.075	88.68	0.31	0.31	0.00
12.05	2.43	0.082	88.75	0.33	0.33	0.00
12.10	3.14	0.092	88.84	0.35	0.35	0.00
12.15	3.86	0.105	88.96	0.38	0.38	0.00
12.20	4.03	0.120	89.06	0.40	0.40	0.00
12.25	3.76	0.134	89.14	0.43	0.43	0.00
12.30	3.40	0.147	89.21	0.45	0.45	0.00
12.35	3.06	0.159	89.28	0.46	0.46	0.00
12.40	2.74	0.169	89.34	0.48	0.48	0.00
12.45	2.45	0.178	89.39	0.49	0.49	0.00
12.50	2.21	0.185	89.43	0.51	0.51	0.00
12.55	2.01	0.192	89.47	0.52	0.52	0.00
12.60	1.83	0.198	89.50	0.53	0.53	0.00
12.65	1.66	0.203	89.53	0.54	0.54	0.00
12.70	1.51	0.207	89.55	0.55	0.54	0.01
12.75	1.39	0.211	89.58	0.56	0.55	0.01

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	1.29	0.214	89.59	0.57	0.55	0.02
12.85	1.21	0.217	89.61	0.58	0.56	0.02
12.90	1.14	0.219	89.62	0.59	0.56	0.03
12.95	1.08	0.221	89.64	0.60	0.57	0.03
13.00	1.03	0.223	89.65	0.61	0.57	0.04
13.05	0.99	0.225	89.66	0.62	0.57	0.04
13.10	0.94	0.226	89.66	0.62	0.58	0.05
13.15	0.90	0.227	89.67	0.63	0.58	0.05
13.20	0.87	0.228	89.68	0.63	0.58	0.05
13.25	0.84	0.229	89.68	0.64	0.58	0.06
13.30	0.81	0.230	89.69	0.64	0.58	0.06
13.35	0.78	0.231	89.69	0.64	0.58	0.06
13.40	0.76	0.231	89.69	0.64	0.58	0.06
13.45	0.73	0.232	89.69	0.65	0.58	0.06
13.50	0.71	0.232	89.70	0.65	0.59	0.06
13.55	0.69	0.232	89.70	0.65	0.59	0.06
13.60	0.66	0.232	89.70	0.65	0.59	0.06
13.65	0.64	0.232	89.70	0.65	0.59	0.06
13.70	0.62	0.232	89.70	0.65	0.59	0.06
13.75	0.60	0.232	89.70	0.65	0.59	0.06
13.80	0.59	0.232	89.70	0.65	0.59	0.06
13.85	0.58	0.232	89.69	0.65	0.58	0.06
13.90	0.57	0.231	89.69	0.64	0.58	0.06
13.95	0.56	0.231	89.69	0.64	0.58	0.06
14.00	0.55	0.231	89.69	0.64	0.58	0.06
14.05	0.54	0.230	89.69	0.64	0.58	0.06
14.10	0.53	0.230	89.68	0.64	0.58	0.06
14.15	0.52	0.229	89.68	0.64	0.58	0.06
14.20	0.51	0.229	89.68	0.63	0.58	0.05
14.25	0.51	0.228	89.68	0.63	0.58	0.05
14.30	0.50	0.228	89.67	0.63	0.58	0.05
14.35	0.49	0.227	89.67	0.63	0.58	0.05
14.40	0.49	0.227	89.67	0.62	0.58	0.05
14.45	0.48	0.226	89.66	0.62	0.58	0.05
14.50	0.47	0.225	89.66	0.62	0.57	0.05
14.55	0.47	0.225	89.66	0.62	0.57	0.04
14.60	0.46	0.224	89.65	0.61	0.57	0.04
14.65	0.45	0.224	89.65	0.61	0.57	0.04
14.70	0.45	0.223	89.65	0.61	0.57	0.04
14.75	0.44	0.222	89.64	0.61	0.57	0.04
14.80	0.44	0.222	89.64	0.60	0.57	0.04
14.85	0.43	0.221	89.63	0.60	0.57	0.03
14.90	0.42	0.220	89.63	0.60	0.57	0.03
14.95	0.42	0.219	89.63	0.59	0.56	0.03
15.00	0.41	0.219	89.62	0.59	0.56	0.03
15.05	0.40	0.218	89.62	0.59	0.56	0.03
15.10	0.40	0.217	89.61	0.59	0.56	0.02
15.15	0.39	0.216	89.61	0.58	0.56	0.02
15.20	0.38	0.216	89.60	0.58	0.56	0.02
15.25	0.38	0.215	89.60	0.58	0.56	0.02
15.30	0.37	0.214	89.59	0.57	0.55	0.02
15.35	0.37	0.213	89.59	0.57	0.55	0.02

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.37	0.212	89.58	0.57	0.55	0.02
15.45	0.36	0.211	89.58	0.56	0.55	0.01
15.50	0.36	0.211	89.57	0.56	0.55	0.01
15.55	0.36	0.210	89.57	0.56	0.55	0.01
15.60	0.35	0.209	89.56	0.56	0.55	0.01
15.65	0.35	0.208	89.56	0.55	0.54	0.01
15.70	0.35	0.207	89.56	0.55	0.54	0.01
15.75	0.35	0.206	89.55	0.55	0.54	0.01
15.80	0.35	0.206	89.55	0.55	0.54	0.01
15.85	0.34	0.205	89.54	0.54	0.54	0.01
15.90	0.34	0.204	89.54	0.54	0.54	0.00
15.95	0.34	0.203	89.53	0.54	0.54	0.00
16.00	0.34	0.202	89.53	0.54	0.54	0.00
16.05	0.34	0.201	89.52	0.54	0.53	0.00
16.10	0.33	0.201	89.52	0.53	0.53	0.00
16.15	0.33	0.200	89.51	0.53	0.53	0.00
16.20	0.33	0.199	89.51	0.53	0.53	0.00
16.25	0.33	0.198	89.50	0.53	0.53	0.00
16.30	0.33	0.197	89.50	0.53	0.53	0.00
16.35	0.32	0.196	89.49	0.53	0.53	0.00
16.40	0.32	0.196	89.49	0.52	0.52	0.00
16.45	0.32	0.195	89.48	0.52	0.52	0.00
16.50	0.32	0.194	89.48	0.52	0.52	0.00
16.55	0.32	0.193	89.47	0.52	0.52	0.00
16.60	0.31	0.192	89.47	0.52	0.52	0.00
16.65	0.31	0.191	89.46	0.52	0.52	0.00
16.70	0.31	0.190	89.46	0.52	0.52	0.00
16.75	0.31	0.190	89.45	0.51	0.51	0.00
16.80	0.31	0.189	89.45	0.51	0.51	0.00
16.85	0.30	0.188	89.45	0.51	0.51	0.00
16.90	0.30	0.187	89.44	0.51	0.51	0.00
16.95	0.30	0.186	89.44	0.51	0.51	0.00
17.00	0.30	0.185	89.43	0.51	0.51	0.00
17.05	0.30	0.184	89.43	0.51	0.51	0.00
17.10	0.29	0.184	89.42	0.50	0.50	0.00
17.15	0.29	0.183	89.42	0.50	0.50	0.00
17.20	0.29	0.182	89.41	0.50	0.50	0.00
17.25	0.29	0.181	89.41	0.50	0.50	0.00
17.30	0.28	0.180	89.40	0.50	0.50	0.00
17.35	0.28	0.179	89.40	0.50	0.50	0.00
17.40	0.28	0.178	89.39	0.50	0.50	0.00
17.45	0.28	0.177	89.39	0.49	0.49	0.00
17.50	0.28	0.177	89.38	0.49	0.49	0.00
17.55	0.27	0.176	89.37	0.49	0.49	0.00
17.60	0.27	0.175	89.37	0.49	0.49	0.00
17.65	0.27	0.174	89.36	0.49	0.49	0.00
17.70	0.27	0.173	89.36	0.49	0.49	0.00
17.75	0.27	0.172	89.35	0.49	0.49	0.00
17.80	0.26	0.171	89.35	0.48	0.48	0.00
17.85	0.26	0.170	89.34	0.48	0.48	0.00
17.90	0.26	0.169	89.34	0.48	0.48	0.00
17.95	0.26	0.168	89.33	0.48	0.48	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.25	0.167	89.33	0.48	0.48	0.00
18.05	0.25	0.167	89.32	0.48	0.48	0.00
18.10	0.25	0.166	89.32	0.48	0.48	0.00
18.15	0.25	0.165	89.31	0.47	0.47	0.00
18.20	0.25	0.164	89.31	0.47	0.47	0.00
18.25	0.24	0.163	89.30	0.47	0.47	0.00
18.30	0.24	0.162	89.30	0.47	0.47	0.00
18.35	0.24	0.161	89.29	0.47	0.47	0.00
18.40	0.24	0.160	89.29	0.47	0.47	0.00
18.45	0.24	0.159	89.28	0.46	0.46	0.00
18.50	0.24	0.158	89.28	0.46	0.46	0.00
18.55	0.24	0.157	89.27	0.46	0.46	0.00
18.60	0.24	0.156	89.26	0.46	0.46	0.00
18.65	0.24	0.155	89.26	0.46	0.46	0.00
18.70	0.24	0.154	89.25	0.46	0.46	0.00
18.75	0.24	0.154	89.25	0.46	0.46	0.00
18.80	0.23	0.153	89.24	0.45	0.45	0.00
18.85	0.23	0.152	89.24	0.45	0.45	0.00
18.90	0.23	0.151	89.23	0.45	0.45	0.00
18.95	0.23	0.150	89.23	0.45	0.45	0.00
19.00	0.23	0.149	89.22	0.45	0.45	0.00
19.05	0.23	0.148	89.22	0.45	0.45	0.00
19.10	0.23	0.147	89.21	0.45	0.45	0.00
19.15	0.23	0.146	89.21	0.44	0.44	0.00
19.20	0.23	0.145	89.20	0.44	0.44	0.00
19.25	0.23	0.145	89.20	0.44	0.44	0.00
19.30	0.23	0.144	89.19	0.44	0.44	0.00
19.35	0.23	0.143	89.19	0.44	0.44	0.00
19.40	0.23	0.142	89.18	0.44	0.44	0.00
19.45	0.23	0.141	89.18	0.44	0.44	0.00
19.50	0.23	0.140	89.17	0.43	0.43	0.00
19.55	0.23	0.139	89.17	0.43	0.43	0.00
19.60	0.23	0.139	89.16	0.43	0.43	0.00
19.65	0.23	0.138	89.16	0.43	0.43	0.00
19.70	0.23	0.137	89.15	0.43	0.43	0.00
19.75	0.23	0.136	89.15	0.43	0.43	0.00
19.80	0.23	0.135	89.14	0.43	0.43	0.00
19.85	0.22	0.134	89.14	0.43	0.43	0.00
19.90	0.22	0.134	89.13	0.42	0.42	0.00
19.95	0.22	0.133	89.13	0.42	0.42	0.00
20.00	0.22	0.132	89.13	0.42	0.42	0.00
20.05	0.22	0.131	89.12	0.42	0.42	0.00
20.10	0.22	0.130	89.12	0.42	0.42	0.00
20.15	0.22	0.130	89.11	0.42	0.42	0.00
20.20	0.22	0.129	89.11	0.42	0.42	0.00
20.25	0.22	0.128	89.10	0.42	0.42	0.00
20.30	0.22	0.127	89.10	0.41	0.41	0.00
20.35	0.22	0.126	89.09	0.41	0.41	0.00
20.40	0.22	0.126	89.09	0.41	0.41	0.00
20.45	0.22	0.125	89.08	0.41	0.41	0.00
20.50	0.22	0.124	89.08	0.41	0.41	0.00
20.55	0.22	0.123	89.08	0.41	0.41	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.22	0.122	89.07	0.41	0.41	0.00
20.65	0.22	0.122	89.07	0.41	0.41	0.00
20.70	0.22	0.121	89.06	0.40	0.40	0.00
20.75	0.22	0.120	89.06	0.40	0.40	0.00
20.80	0.22	0.119	89.05	0.40	0.40	0.00
20.85	0.22	0.119	89.05	0.40	0.40	0.00
20.90	0.21	0.118	89.04	0.40	0.40	0.00
20.95	0.21	0.117	89.04	0.40	0.40	0.00
21.00	0.21	0.116	89.04	0.40	0.40	0.00
21.05	0.21	0.115	89.03	0.40	0.40	0.00
21.10	0.21	0.115	89.03	0.39	0.39	0.00
21.15	0.21	0.114	89.02	0.39	0.39	0.00
21.20	0.21	0.113	89.02	0.39	0.39	0.00
21.25	0.21	0.112	89.01	0.39	0.39	0.00
21.30	0.21	0.112	89.01	0.39	0.39	0.00
21.35	0.21	0.111	89.01	0.39	0.39	0.00
21.40	0.21	0.110	89.00	0.39	0.39	0.00
21.45	0.21	0.110	89.00	0.39	0.39	0.00
21.50	0.21	0.109	88.99	0.38	0.38	0.00
21.55	0.21	0.108	88.98	0.38	0.38	0.00
21.60	0.21	0.107	88.98	0.38	0.38	0.00
21.65	0.21	0.107	88.97	0.38	0.38	0.00
21.70	0.21	0.106	88.96	0.38	0.38	0.00
21.75	0.21	0.105	88.96	0.38	0.38	0.00
21.80	0.21	0.105	88.95	0.38	0.38	0.00
21.85	0.21	0.104	88.94	0.37	0.37	0.00
21.90	0.20	0.103	88.94	0.37	0.37	0.00
21.95	0.20	0.102	88.93	0.37	0.37	0.00
22.00	0.20	0.102	88.92	0.37	0.37	0.00
22.05	0.20	0.101	88.92	0.37	0.37	0.00
22.10	0.20	0.100	88.91	0.37	0.37	0.00
22.15	0.20	0.100	88.91	0.36	0.36	0.00
22.20	0.20	0.099	88.90	0.36	0.36	0.00
22.25	0.20	0.098	88.89	0.36	0.36	0.00
22.30	0.20	0.098	88.89	0.36	0.36	0.00
22.35	0.20	0.097	88.88	0.36	0.36	0.00
22.40	0.20	0.096	88.88	0.36	0.36	0.00
22.45	0.20	0.096	88.87	0.36	0.36	0.00
22.50	0.20	0.095	88.86	0.35	0.35	0.00
22.55	0.20	0.094	88.86	0.35	0.35	0.00
22.60	0.20	0.094	88.85	0.35	0.35	0.00
22.65	0.20	0.093	88.85	0.35	0.35	0.00
22.70	0.20	0.093	88.84	0.35	0.35	0.00
22.75	0.20	0.092	88.84	0.35	0.35	0.00
22.80	0.19	0.091	88.83	0.35	0.35	0.00
22.85	0.19	0.091	88.82	0.34	0.34	0.00
22.90	0.19	0.090	88.82	0.34	0.34	0.00
22.95	0.19	0.089	88.81	0.34	0.34	0.00
23.00	0.19	0.089	88.81	0.34	0.34	0.00
23.05	0.19	0.088	88.80	0.34	0.34	0.00
23.10	0.19	0.088	88.80	0.34	0.34	0.00
23.15	0.19	0.087	88.79	0.34	0.34	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.19	0.086	88.79	0.34	0.34	0.00
23.25	0.19	0.086	88.78	0.33	0.33	0.00
23.30	0.19	0.085	88.77	0.33	0.33	0.00
23.35	0.19	0.085	88.77	0.33	0.33	0.00
23.40	0.19	0.084	88.76	0.33	0.33	0.00
23.45	0.19	0.083	88.76	0.33	0.33	0.00
23.50	0.19	0.083	88.75	0.33	0.33	0.00
23.55	0.19	0.082	88.75	0.33	0.33	0.00
23.60	0.19	0.082	88.74	0.32	0.32	0.00
23.65	0.19	0.081	88.74	0.32	0.32	0.00
23.70	0.18	0.081	88.73	0.32	0.32	0.00
23.75	0.18	0.080	88.73	0.32	0.32	0.00
23.80	0.18	0.079	88.72	0.32	0.32	0.00
23.85	0.18	0.079	88.72	0.32	0.32	0.00
23.90	0.18	0.078	88.71	0.32	0.32	0.00
23.95	0.18	0.078	88.71	0.32	0.32	0.00
24.00	0.18	0.077	88.70	0.32	0.32	0.00
24.05	0.18	0.077	88.70	0.31	0.31	0.00
24.10	0.17	0.076	88.69	0.31	0.31	0.00
24.15	0.14	0.075	88.69	0.31	0.31	0.00
24.20	0.12	0.075	88.68	0.31	0.31	0.00
24.25	0.10	0.074	88.67	0.31	0.31	0.00
24.30	0.08	0.073	88.66	0.31	0.31	0.00
24.35	0.07	0.072	88.65	0.30	0.30	0.00
24.40	0.05	0.071	88.65	0.30	0.30	0.00
24.45	0.04	0.070	88.64	0.30	0.30	0.00
24.50	0.04	0.069	88.63	0.30	0.30	0.00
24.55	0.03	0.068	88.62	0.30	0.30	0.00
24.60	0.03	0.067	88.61	0.29	0.29	0.00
24.65	0.02	0.066	88.60	0.29	0.29	0.00
24.70	0.02	0.065	88.59	0.29	0.29	0.00
24.75	0.01	0.063	88.58	0.29	0.29	0.00
24.80	0.01	0.062	88.57	0.28	0.28	0.00
24.85	0.01	0.061	88.56	0.28	0.28	0.00
24.90	0.01	0.060	88.55	0.28	0.28	0.00
24.95	0.01	0.059	88.54	0.28	0.28	0.00
25.00	0.01	0.058	88.53	0.27	0.27	0.00
25.05	0.00	0.057	88.52	0.27	0.27	0.00
25.10	0.00	0.056	88.51	0.27	0.27	0.00
25.15	0.00	0.054	88.50	0.27	0.27	0.00
25.20	0.00	0.053	88.49	0.26	0.26	0.00
25.25	0.00	0.052	88.48	0.26	0.26	0.00
25.30	0.00	0.051	88.47	0.26	0.26	0.00
25.35	0.00	0.050	88.46	0.26	0.26	0.00
25.40	0.00	0.049	88.45	0.26	0.26	0.00
25.45	0.00	0.048	88.44	0.25	0.25	0.00
25.50	0.00	0.047	88.43	0.25	0.25	0.00
25.55	0.00	0.046	88.42	0.25	0.25	0.00
25.60	0.00	0.045	88.41	0.25	0.25	0.00
25.65	0.00	0.044	88.40	0.25	0.25	0.00
25.70	0.00	0.043	88.39	0.24	0.24	0.00
25.75	0.00	0.042	88.38	0.24	0.24	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.041	88.37	0.24	0.24	0.00
25.85	0.00	0.040	88.36	0.24	0.24	0.00
25.90	0.00	0.039	88.35	0.24	0.24	0.00
25.95	0.00	0.038	88.35	0.23	0.23	0.00
26.00	0.00	0.037	88.34	0.23	0.23	0.00
26.05	0.00	0.036	88.33	0.23	0.23	0.00
26.10	0.00	0.035	88.32	0.23	0.23	0.00
26.15	0.00	0.034	88.31	0.23	0.23	0.00
26.20	0.00	0.033	88.30	0.22	0.22	0.00
26.25	0.00	0.032	88.29	0.22	0.22	0.00
26.30	0.00	0.031	88.29	0.22	0.22	0.00
26.35	0.00	0.031	88.28	0.22	0.22	0.00
26.40	0.00	0.030	88.27	0.22	0.22	0.00
26.45	0.00	0.029	88.26	0.22	0.22	0.00
26.50	0.00	0.028	88.25	0.21	0.21	0.00
26.55	0.00	0.027	88.25	0.21	0.21	0.00
26.60	0.00	0.026	88.24	0.21	0.21	0.00
26.65	0.00	0.025	88.23	0.21	0.21	0.00
26.70	0.00	0.024	88.22	0.21	0.21	0.00
26.75	0.00	0.024	88.21	0.21	0.21	0.00
26.80	0.00	0.023	88.21	0.20	0.20	0.00
26.85	0.00	0.022	88.20	0.20	0.20	0.00
26.90	0.00	0.021	88.19	0.20	0.20	0.00
26.95	0.00	0.020	88.18	0.20	0.20	0.00
27.00	0.00	0.019	88.18	0.20	0.20	0.00
27.05	0.00	0.019	88.17	0.20	0.20	0.00
27.10	0.00	0.018	88.16	0.19	0.19	0.00
27.15	0.00	0.017	88.15	0.19	0.19	0.00
27.20	0.00	0.016	88.15	0.19	0.19	0.00
27.25	0.00	0.015	88.14	0.19	0.19	0.00
27.30	0.00	0.015	88.13	0.19	0.19	0.00
27.35	0.00	0.014	88.13	0.19	0.19	0.00
27.40	0.00	0.013	88.12	0.19	0.19	0.00
27.45	0.00	0.012	88.11	0.18	0.18	0.00
27.50	0.00	0.012	88.10	0.18	0.18	0.00
27.55	0.00	0.011	88.10	0.18	0.18	0.00
27.60	0.00	0.010	88.09	0.18	0.18	0.00
27.65	0.00	0.009	88.08	0.18	0.18	0.00
27.70	0.00	0.009	88.08	0.18	0.18	0.00
27.75	0.00	0.008	88.07	0.18	0.18	0.00
27.80	0.00	0.007	88.06	0.17	0.17	0.00
27.85	0.00	0.006	88.06	0.17	0.17	0.00
27.90	0.00	0.006	88.05	0.15	0.15	0.00
27.95	0.00	0.005	88.05	0.13	0.13	0.00
28.00	0.00	0.005	88.04	0.12	0.12	0.00
28.05	0.00	0.004	88.04	0.11	0.11	0.00
28.10	0.00	0.004	88.03	0.10	0.10	0.00
28.15	0.00	0.003	88.03	0.09	0.09	0.00
28.20	0.00	0.003	88.03	0.08	0.08	0.00
28.25	0.00	0.003	88.02	0.07	0.07	0.00
28.30	0.00	0.002	88.02	0.06	0.06	0.00
28.35	0.00	0.002	88.02	0.06	0.06	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.002	88.02	0.05	0.05	0.00
28.45	0.00	0.002	88.02	0.05	0.05	0.00
28.50	0.00	0.002	88.01	0.04	0.04	0.00
28.55	0.00	0.001	88.01	0.04	0.04	0.00
28.60	0.00	0.001	88.01	0.03	0.03	0.00
28.65	0.00	0.001	88.01	0.03	0.03	0.00
28.70	0.00	0.001	88.01	0.03	0.03	0.00
28.75	0.00	0.001	88.01	0.02	0.02	0.00
28.80	0.00	0.001	88.01	0.02	0.02	0.00
28.85	0.00	0.001	88.01	0.02	0.02	0.00
28.90	0.00	0.001	88.01	0.02	0.02	0.00
28.95	0.00	0.001	88.01	0.02	0.02	0.00
29.00	0.00	0.001	88.00	0.01	0.01	0.00
29.05	0.00	0.000	88.00	0.01	0.01	0.00
29.10	0.00	0.000	88.00	0.01	0.01	0.00
29.15	0.00	0.000	88.00	0.01	0.01	0.00
29.20	0.00	0.000	88.00	0.01	0.01	0.00
29.25	0.00	0.000	88.00	0.01	0.01	0.00
29.30	0.00	0.000	88.00	0.01	0.01	0.00
29.35	0.00	0.000	88.00	0.01	0.01	0.00
29.40	0.00	0.000	88.00	0.01	0.01	0.00
29.45	0.00	0.000	88.00	0.01	0.01	0.00
29.50	0.00	0.000	88.00	0.00	0.00	0.00
29.55	0.00	0.000	88.00	0.00	0.00	0.00
29.60	0.00	0.000	88.00	0.00	0.00	0.00
29.65	0.00	0.000	88.00	0.00	0.00	0.00
29.70	0.00	0.000	88.00	0.00	0.00	0.00
29.75	0.00	0.000	88.00	0.00	0.00	0.00
29.80	0.00	0.000	88.00	0.00	0.00	0.00
29.85	0.00	0.000	88.00	0.00	0.00	0.00
29.90	0.00	0.000	88.00	0.00	0.00	0.00
29.95	0.00	0.000	88.00	0.00	0.00	0.00
30.00	0.00	0.000	88.00	0.00	0.00	0.00

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Summary for Pond Basin 6: Basin 6

Inflow Area = 1.900 ac, 21.05% Impervious, Inflow Depth > 1.59" for 25 Year event
 Inflow = 1.45 cfs @ 12.19 hrs, Volume= 0.252 af
 Outflow = 0.39 cfs @ 13.01 hrs, Volume= 0.252 af, Atten= 73%, Lag= 49.1 min
 Discarded = 0.39 cfs @ 13.01 hrs, Volume= 0.252 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 92.22' @ 13.01 hrs Surf.Area= 0.182 ac Storage= 0.049 af

Plug-Flow detention time= 43.9 min calculated for 0.251 af (100% of inflow)
 Center-of-Mass det. time= 43.4 min (893.4 - 849.9)

Volume	Invert	Avail.Storage	Storage Description
#1	92.00'	1.350 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
92.00	0.150	0.000	0.000
93.00	0.300	0.225	0.225
94.00	0.350	0.325	0.550
95.00	0.400	0.375	0.925
96.00	0.450	0.425	1.350

Device	Routing	Invert	Outlet Devices
#1	Discarded	92.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 89.00'
#2	Primary	93.00'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	94.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.39 cfs @ 13.01 hrs HW=92.22' (Free Discharge)
 ↳1=Exfiltration (Controls 0.39 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=92.00' (Free Discharge)
 ↳2=Orifice/Grate (Controls 0.00 cfs)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 6: Basin 6

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.04	0.000	92.00	0.00	0.00	0.00
5.05	0.04	0.000	92.00	0.01	0.01	0.00
5.10	0.04	0.000	92.00	0.01	0.01	0.00
5.15	0.04	0.000	92.00	0.02	0.02	0.00
5.20	0.04	0.001	92.00	0.02	0.02	0.00
5.25	0.04	0.001	92.00	0.02	0.02	0.00
5.30	0.04	0.001	92.00	0.03	0.03	0.00
5.35	0.04	0.001	92.00	0.03	0.03	0.00
5.40	0.04	0.001	92.00	0.03	0.03	0.00
5.45	0.04	0.001	92.00	0.03	0.03	0.00
5.50	0.04	0.001	92.00	0.03	0.03	0.00
5.55	0.04	0.001	92.00	0.04	0.04	0.00
5.60	0.05	0.001	92.00	0.04	0.04	0.00
5.65	0.05	0.001	92.00	0.04	0.04	0.00
5.70	0.05	0.001	92.00	0.04	0.04	0.00
5.75	0.05	0.001	92.01	0.04	0.04	0.00
5.80	0.05	0.001	92.01	0.04	0.04	0.00
5.85	0.05	0.001	92.01	0.04	0.04	0.00
5.90	0.05	0.001	92.01	0.04	0.04	0.00
5.95	0.05	0.001	92.01	0.04	0.04	0.00
6.00	0.05	0.001	92.01	0.04	0.04	0.00
6.05	0.05	0.001	92.01	0.04	0.04	0.00
6.10	0.05	0.001	92.01	0.04	0.04	0.00
6.15	0.05	0.001	92.01	0.04	0.04	0.00
6.20	0.05	0.001	92.01	0.05	0.05	0.00
6.25	0.05	0.001	92.01	0.05	0.05	0.00
6.30	0.05	0.001	92.01	0.05	0.05	0.00
6.35	0.05	0.001	92.01	0.05	0.05	0.00
6.40	0.05	0.001	92.01	0.05	0.05	0.00
6.45	0.05	0.001	92.01	0.05	0.05	0.00
6.50	0.05	0.001	92.01	0.05	0.05	0.00
6.55	0.05	0.001	92.01	0.05	0.05	0.00
6.60	0.05	0.001	92.01	0.05	0.05	0.00
6.65	0.05	0.001	92.01	0.05	0.05	0.00
6.70	0.05	0.001	92.01	0.05	0.05	0.00
6.75	0.05	0.001	92.01	0.05	0.05	0.00
6.80	0.05	0.001	92.01	0.05	0.05	0.00
6.85	0.05	0.001	92.01	0.05	0.05	0.00
6.90	0.06	0.001	92.01	0.05	0.05	0.00
6.95	0.06	0.001	92.01	0.05	0.05	0.00
7.00	0.06	0.001	92.01	0.05	0.05	0.00
7.05	0.06	0.001	92.01	0.05	0.05	0.00
7.10	0.06	0.002	92.01	0.05	0.05	0.00
7.15	0.06	0.002	92.01	0.05	0.05	0.00
7.20	0.06	0.002	92.01	0.05	0.05	0.00
7.25	0.06	0.002	92.01	0.06	0.06	0.00
7.30	0.06	0.002	92.01	0.06	0.06	0.00
7.35	0.06	0.002	92.01	0.06	0.06	0.00
7.40	0.06	0.002	92.01	0.06	0.06	0.00
7.45	0.06	0.002	92.01	0.06	0.06	0.00
7.50	0.06	0.002	92.01	0.06	0.06	0.00
7.55	0.06	0.002	92.01	0.06	0.06	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.06	0.002	92.01	0.06	0.06	0.00
7.65	0.06	0.002	92.01	0.06	0.06	0.00
7.70	0.06	0.002	92.01	0.06	0.06	0.00
7.75	0.06	0.002	92.01	0.06	0.06	0.00
7.80	0.06	0.002	92.01	0.06	0.06	0.00
7.85	0.07	0.002	92.01	0.06	0.06	0.00
7.90	0.07	0.002	92.01	0.06	0.06	0.00
7.95	0.07	0.002	92.01	0.06	0.06	0.00
8.00	0.07	0.002	92.01	0.06	0.06	0.00
8.05	0.07	0.002	92.01	0.06	0.06	0.00
8.10	0.07	0.002	92.01	0.06	0.06	0.00
8.15	0.07	0.002	92.01	0.07	0.07	0.00
8.20	0.07	0.002	92.01	0.07	0.07	0.00
8.25	0.07	0.002	92.01	0.07	0.07	0.00
8.30	0.07	0.002	92.01	0.07	0.07	0.00
8.35	0.07	0.002	92.01	0.07	0.07	0.00
8.40	0.07	0.002	92.01	0.07	0.07	0.00
8.45	0.07	0.002	92.01	0.07	0.07	0.00
8.50	0.07	0.002	92.01	0.07	0.07	0.00
8.55	0.07	0.002	92.01	0.07	0.07	0.00
8.60	0.07	0.002	92.01	0.07	0.07	0.00
8.65	0.07	0.002	92.01	0.07	0.07	0.00
8.70	0.07	0.002	92.01	0.07	0.07	0.00
8.75	0.08	0.002	92.01	0.07	0.07	0.00
8.80	0.08	0.002	92.01	0.07	0.07	0.00
8.85	0.08	0.002	92.01	0.07	0.07	0.00
8.90	0.08	0.002	92.01	0.07	0.07	0.00
8.95	0.08	0.002	92.01	0.07	0.07	0.00
9.00	0.08	0.002	92.01	0.07	0.07	0.00
9.05	0.08	0.002	92.01	0.07	0.07	0.00
9.10	0.08	0.002	92.01	0.08	0.08	0.00
9.15	0.08	0.002	92.01	0.08	0.08	0.00
9.20	0.08	0.002	92.01	0.08	0.08	0.00
9.25	0.08	0.002	92.01	0.08	0.08	0.00
9.30	0.08	0.002	92.01	0.08	0.08	0.00
9.35	0.09	0.002	92.01	0.08	0.08	0.00
9.40	0.09	0.002	92.01	0.08	0.08	0.00
9.45	0.09	0.002	92.01	0.08	0.08	0.00
9.50	0.09	0.002	92.01	0.08	0.08	0.00
9.55	0.09	0.002	92.01	0.08	0.08	0.00
9.60	0.09	0.002	92.01	0.09	0.09	0.00
9.65	0.10	0.002	92.01	0.09	0.09	0.00
9.70	0.10	0.002	92.01	0.09	0.09	0.00
9.75	0.10	0.003	92.01	0.09	0.09	0.00
9.80	0.10	0.003	92.01	0.09	0.09	0.00
9.85	0.10	0.003	92.01	0.09	0.09	0.00
9.90	0.10	0.003	92.01	0.09	0.09	0.00
9.95	0.11	0.003	92.01	0.10	0.10	0.00
10.00	0.11	0.003	92.01	0.10	0.10	0.00
10.05	0.11	0.003	92.01	0.10	0.10	0.00
10.10	0.11	0.003	92.01	0.10	0.10	0.00
10.15	0.11	0.003	92.01	0.10	0.10	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.12	0.003	92.01	0.10	0.10	0.00
10.25	0.12	0.003	92.01	0.11	0.11	0.00
10.30	0.12	0.003	92.01	0.11	0.11	0.00
10.35	0.12	0.003	92.01	0.11	0.11	0.00
10.40	0.12	0.003	92.01	0.11	0.11	0.00
10.45	0.12	0.003	92.01	0.11	0.11	0.00
10.50	0.13	0.003	92.01	0.11	0.11	0.00
10.55	0.13	0.003	92.01	0.12	0.12	0.00
10.60	0.13	0.003	92.01	0.12	0.12	0.00
10.65	0.13	0.003	92.02	0.12	0.12	0.00
10.70	0.14	0.003	92.02	0.12	0.12	0.00
10.75	0.14	0.004	92.02	0.12	0.12	0.00
10.80	0.15	0.004	92.02	0.13	0.13	0.00
10.85	0.15	0.004	92.02	0.13	0.13	0.00
10.90	0.16	0.004	92.02	0.13	0.13	0.00
10.95	0.16	0.004	92.02	0.14	0.14	0.00
11.00	0.17	0.004	92.02	0.14	0.14	0.00
11.05	0.18	0.004	92.02	0.15	0.15	0.00
11.10	0.18	0.004	92.02	0.15	0.15	0.00
11.15	0.19	0.004	92.02	0.15	0.15	0.00
11.20	0.20	0.005	92.02	0.16	0.16	0.00
11.25	0.21	0.005	92.02	0.17	0.17	0.00
11.30	0.21	0.005	92.02	0.17	0.17	0.00
11.35	0.22	0.005	92.02	0.18	0.18	0.00
11.40	0.23	0.005	92.02	0.19	0.19	0.00
11.45	0.24	0.005	92.02	0.19	0.19	0.00
11.50	0.25	0.006	92.03	0.20	0.20	0.00
11.55	0.26	0.006	92.03	0.21	0.21	0.00
11.60	0.28	0.006	92.03	0.22	0.22	0.00
11.65	0.30	0.006	92.03	0.23	0.23	0.00
11.70	0.32	0.007	92.03	0.24	0.24	0.00
11.75	0.35	0.007	92.03	0.25	0.25	0.00
11.80	0.38	0.008	92.03	0.27	0.27	0.00
11.85	0.42	0.008	92.04	0.29	0.29	0.00
11.90	0.49	0.009	92.04	0.31	0.31	0.00
11.95	0.57	0.010	92.04	0.32	0.32	0.00
12.00	0.70	0.011	92.05	0.32	0.32	0.00
12.05	0.88	0.013	92.06	0.33	0.33	0.00
12.10	1.14	0.016	92.07	0.33	0.33	0.00
12.15	1.40	0.020	92.09	0.34	0.34	0.00
12.20	1.45	0.024	92.11	0.35	0.35	0.00
12.25	1.34	0.028	92.13	0.35	0.35	0.00
12.30	1.21	0.032	92.14	0.36	0.36	0.00
12.35	1.09	0.035	92.16	0.37	0.37	0.00
12.40	0.97	0.038	92.17	0.37	0.37	0.00
12.45	0.88	0.040	92.18	0.38	0.38	0.00
12.50	0.79	0.042	92.19	0.38	0.38	0.00
12.55	0.73	0.044	92.19	0.38	0.38	0.00
12.60	0.66	0.045	92.20	0.38	0.38	0.00
12.65	0.61	0.046	92.21	0.39	0.39	0.00
12.70	0.56	0.047	92.21	0.39	0.39	0.00
12.75	0.51	0.048	92.21	0.39	0.39	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.48	0.048	92.21	0.39	0.39	0.00
12.85	0.45	0.048	92.21	0.39	0.39	0.00
12.90	0.43	0.048	92.22	0.39	0.39	0.00
12.95	0.41	0.049	92.22	0.39	0.39	0.00
13.00	0.39	0.049	92.22	0.39	0.39	0.00
13.05	0.38	0.049	92.22	0.39	0.39	0.00
13.10	0.37	0.049	92.22	0.39	0.39	0.00
13.15	0.35	0.048	92.22	0.39	0.39	0.00
13.20	0.34	0.048	92.21	0.39	0.39	0.00
13.25	0.33	0.048	92.21	0.39	0.39	0.00
13.30	0.32	0.048	92.21	0.39	0.39	0.00
13.35	0.31	0.047	92.21	0.39	0.39	0.00
13.40	0.30	0.047	92.21	0.39	0.39	0.00
13.45	0.30	0.047	92.21	0.39	0.39	0.00
13.50	0.29	0.046	92.21	0.39	0.39	0.00
13.55	0.28	0.046	92.20	0.39	0.39	0.00
13.60	0.27	0.045	92.20	0.39	0.39	0.00
13.65	0.27	0.045	92.20	0.38	0.38	0.00
13.70	0.26	0.044	92.20	0.38	0.38	0.00
13.75	0.25	0.044	92.20	0.38	0.38	0.00
13.80	0.25	0.043	92.19	0.38	0.38	0.00
13.85	0.24	0.043	92.19	0.38	0.38	0.00
13.90	0.24	0.042	92.19	0.38	0.38	0.00
13.95	0.23	0.042	92.19	0.38	0.38	0.00
14.00	0.23	0.041	92.18	0.38	0.38	0.00
14.05	0.23	0.040	92.18	0.38	0.38	0.00
14.10	0.22	0.040	92.18	0.38	0.38	0.00
14.15	0.22	0.039	92.17	0.37	0.37	0.00
14.20	0.22	0.039	92.17	0.37	0.37	0.00
14.25	0.21	0.038	92.17	0.37	0.37	0.00
14.30	0.21	0.037	92.17	0.37	0.37	0.00
14.35	0.21	0.037	92.16	0.37	0.37	0.00
14.40	0.20	0.036	92.16	0.37	0.37	0.00
14.45	0.20	0.035	92.16	0.37	0.37	0.00
14.50	0.20	0.035	92.15	0.37	0.37	0.00
14.55	0.20	0.034	92.15	0.36	0.36	0.00
14.60	0.19	0.033	92.15	0.36	0.36	0.00
14.65	0.19	0.032	92.14	0.36	0.36	0.00
14.70	0.19	0.032	92.14	0.36	0.36	0.00
14.75	0.19	0.031	92.14	0.36	0.36	0.00
14.80	0.18	0.030	92.13	0.36	0.36	0.00
14.85	0.18	0.030	92.13	0.36	0.36	0.00
14.90	0.18	0.029	92.13	0.35	0.35	0.00
14.95	0.17	0.028	92.12	0.35	0.35	0.00
15.00	0.17	0.027	92.12	0.35	0.35	0.00
15.05	0.17	0.027	92.12	0.35	0.35	0.00
15.10	0.17	0.026	92.11	0.35	0.35	0.00
15.15	0.16	0.025	92.11	0.35	0.35	0.00
15.20	0.16	0.024	92.11	0.35	0.35	0.00
15.25	0.16	0.024	92.10	0.35	0.35	0.00
15.30	0.16	0.023	92.10	0.34	0.34	0.00
15.35	0.16	0.022	92.10	0.34	0.34	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.15	0.021	92.09	0.34	0.34	0.00
15.45	0.15	0.020	92.09	0.34	0.34	0.00
15.50	0.15	0.020	92.09	0.34	0.34	0.00
15.55	0.15	0.019	92.08	0.34	0.34	0.00
15.60	0.15	0.018	92.08	0.34	0.34	0.00
15.65	0.15	0.017	92.08	0.33	0.33	0.00
15.70	0.15	0.017	92.07	0.33	0.33	0.00
15.75	0.15	0.016	92.07	0.33	0.33	0.00
15.80	0.14	0.015	92.07	0.33	0.33	0.00
15.85	0.14	0.014	92.06	0.33	0.33	0.00
15.90	0.14	0.014	92.06	0.33	0.33	0.00
15.95	0.14	0.013	92.06	0.33	0.33	0.00
16.00	0.14	0.012	92.05	0.32	0.32	0.00
16.05	0.14	0.011	92.05	0.32	0.32	0.00
16.10	0.14	0.011	92.05	0.32	0.32	0.00
16.15	0.14	0.010	92.04	0.32	0.32	0.00
16.20	0.14	0.009	92.04	0.32	0.32	0.00
16.25	0.14	0.008	92.04	0.29	0.29	0.00
16.30	0.14	0.008	92.03	0.27	0.27	0.00
16.35	0.13	0.007	92.03	0.25	0.25	0.00
16.40	0.13	0.007	92.03	0.24	0.24	0.00
16.45	0.13	0.006	92.03	0.22	0.22	0.00
16.50	0.13	0.006	92.03	0.21	0.21	0.00
16.55	0.13	0.006	92.03	0.20	0.20	0.00
16.60	0.13	0.005	92.02	0.19	0.19	0.00
16.65	0.13	0.005	92.02	0.18	0.18	0.00
16.70	0.13	0.005	92.02	0.18	0.18	0.00
16.75	0.13	0.005	92.02	0.17	0.17	0.00
16.80	0.13	0.005	92.02	0.16	0.16	0.00
16.85	0.13	0.004	92.02	0.16	0.16	0.00
16.90	0.13	0.004	92.02	0.15	0.15	0.00
16.95	0.12	0.004	92.02	0.15	0.15	0.00
17.00	0.12	0.004	92.02	0.15	0.15	0.00
17.05	0.12	0.004	92.02	0.14	0.14	0.00
17.10	0.12	0.004	92.02	0.14	0.14	0.00
17.15	0.12	0.004	92.02	0.14	0.14	0.00
17.20	0.12	0.004	92.02	0.14	0.14	0.00
17.25	0.12	0.004	92.02	0.13	0.13	0.00
17.30	0.12	0.004	92.02	0.13	0.13	0.00
17.35	0.12	0.004	92.02	0.13	0.13	0.00
17.40	0.12	0.004	92.02	0.13	0.13	0.00
17.45	0.12	0.004	92.02	0.13	0.13	0.00
17.50	0.12	0.004	92.02	0.13	0.13	0.00
17.55	0.11	0.004	92.02	0.12	0.12	0.00
17.60	0.11	0.003	92.02	0.12	0.12	0.00
17.65	0.11	0.003	92.02	0.12	0.12	0.00
17.70	0.11	0.003	92.02	0.12	0.12	0.00
17.75	0.11	0.003	92.01	0.12	0.12	0.00
17.80	0.11	0.003	92.01	0.12	0.12	0.00
17.85	0.11	0.003	92.01	0.12	0.12	0.00
17.90	0.11	0.003	92.01	0.12	0.12	0.00
17.95	0.11	0.003	92.01	0.11	0.11	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.11	0.003	92.01	0.11	0.11	0.00
18.05	0.11	0.003	92.01	0.11	0.11	0.00
18.10	0.11	0.003	92.01	0.11	0.11	0.00
18.15	0.10	0.003	92.01	0.11	0.11	0.00
18.20	0.10	0.003	92.01	0.11	0.11	0.00
18.25	0.10	0.003	92.01	0.11	0.11	0.00
18.30	0.10	0.003	92.01	0.11	0.11	0.00
18.35	0.10	0.003	92.01	0.11	0.11	0.00
18.40	0.10	0.003	92.01	0.11	0.11	0.00
18.45	0.10	0.003	92.01	0.11	0.11	0.00
18.50	0.10	0.003	92.01	0.11	0.11	0.00
18.55	0.10	0.003	92.01	0.10	0.10	0.00
18.60	0.10	0.003	92.01	0.10	0.10	0.00
18.65	0.10	0.003	92.01	0.10	0.10	0.00
18.70	0.10	0.003	92.01	0.10	0.10	0.00
18.75	0.10	0.003	92.01	0.10	0.10	0.00
18.80	0.10	0.003	92.01	0.10	0.10	0.00
18.85	0.10	0.003	92.01	0.10	0.10	0.00
18.90	0.10	0.003	92.01	0.10	0.10	0.00
18.95	0.10	0.003	92.01	0.10	0.10	0.00
19.00	0.10	0.003	92.01	0.10	0.10	0.00
19.05	0.10	0.003	92.01	0.10	0.10	0.00
19.10	0.10	0.003	92.01	0.10	0.10	0.00
19.15	0.10	0.003	92.01	0.10	0.10	0.00
19.20	0.10	0.003	92.01	0.10	0.10	0.00
19.25	0.10	0.003	92.01	0.10	0.10	0.00
19.30	0.10	0.003	92.01	0.10	0.10	0.00
19.35	0.10	0.003	92.01	0.10	0.10	0.00
19.40	0.10	0.003	92.01	0.10	0.10	0.00
19.45	0.10	0.003	92.01	0.10	0.10	0.00
19.50	0.10	0.003	92.01	0.10	0.10	0.00
19.55	0.09	0.003	92.01	0.10	0.10	0.00
19.60	0.09	0.003	92.01	0.10	0.10	0.00
19.65	0.09	0.003	92.01	0.10	0.10	0.00
19.70	0.09	0.003	92.01	0.10	0.10	0.00
19.75	0.09	0.003	92.01	0.10	0.10	0.00
19.80	0.09	0.003	92.01	0.10	0.10	0.00
19.85	0.09	0.003	92.01	0.10	0.10	0.00
19.90	0.09	0.003	92.01	0.09	0.09	0.00
19.95	0.09	0.003	92.01	0.09	0.09	0.00
20.00	0.09	0.003	92.01	0.09	0.09	0.00
20.05	0.09	0.003	92.01	0.09	0.09	0.00
20.10	0.09	0.003	92.01	0.09	0.09	0.00
20.15	0.09	0.003	92.01	0.09	0.09	0.00
20.20	0.09	0.003	92.01	0.09	0.09	0.00
20.25	0.09	0.003	92.01	0.09	0.09	0.00
20.30	0.09	0.003	92.01	0.09	0.09	0.00
20.35	0.09	0.003	92.01	0.09	0.09	0.00
20.40	0.09	0.003	92.01	0.09	0.09	0.00
20.45	0.09	0.003	92.01	0.09	0.09	0.00
20.50	0.09	0.003	92.01	0.09	0.09	0.00
20.55	0.09	0.003	92.01	0.09	0.09	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.09	0.003	92.01	0.09	0.09	0.00
20.65	0.09	0.003	92.01	0.09	0.09	0.00
20.70	0.09	0.003	92.01	0.09	0.09	0.00
20.75	0.09	0.003	92.01	0.09	0.09	0.00
20.80	0.09	0.003	92.01	0.09	0.09	0.00
20.85	0.09	0.003	92.01	0.09	0.09	0.00
20.90	0.09	0.003	92.01	0.09	0.09	0.00
20.95	0.09	0.003	92.01	0.09	0.09	0.00
21.00	0.09	0.003	92.01	0.09	0.09	0.00
21.05	0.09	0.003	92.01	0.09	0.09	0.00
21.10	0.09	0.003	92.01	0.09	0.09	0.00
21.15	0.09	0.003	92.01	0.09	0.09	0.00
21.20	0.09	0.003	92.01	0.09	0.09	0.00
21.25	0.09	0.003	92.01	0.09	0.09	0.00
21.30	0.09	0.003	92.01	0.09	0.09	0.00
21.35	0.09	0.003	92.01	0.09	0.09	0.00
21.40	0.09	0.003	92.01	0.09	0.09	0.00
21.45	0.09	0.003	92.01	0.09	0.09	0.00
21.50	0.09	0.003	92.01	0.09	0.09	0.00
21.55	0.09	0.003	92.01	0.09	0.09	0.00
21.60	0.09	0.002	92.01	0.09	0.09	0.00
21.65	0.09	0.002	92.01	0.09	0.09	0.00
21.70	0.09	0.002	92.01	0.09	0.09	0.00
21.75	0.09	0.002	92.01	0.09	0.09	0.00
21.80	0.09	0.002	92.01	0.09	0.09	0.00
21.85	0.09	0.002	92.01	0.09	0.09	0.00
21.90	0.09	0.002	92.01	0.09	0.09	0.00
21.95	0.09	0.002	92.01	0.09	0.09	0.00
22.00	0.09	0.002	92.01	0.09	0.09	0.00
22.05	0.09	0.002	92.01	0.09	0.09	0.00
22.10	0.08	0.002	92.01	0.09	0.09	0.00
22.15	0.08	0.002	92.01	0.09	0.09	0.00
22.20	0.08	0.002	92.01	0.09	0.09	0.00
22.25	0.08	0.002	92.01	0.09	0.09	0.00
22.30	0.08	0.002	92.01	0.09	0.09	0.00
22.35	0.08	0.002	92.01	0.09	0.09	0.00
22.40	0.08	0.002	92.01	0.09	0.09	0.00
22.45	0.08	0.002	92.01	0.08	0.08	0.00
22.50	0.08	0.002	92.01	0.08	0.08	0.00
22.55	0.08	0.002	92.01	0.08	0.08	0.00
22.60	0.08	0.002	92.01	0.08	0.08	0.00
22.65	0.08	0.002	92.01	0.08	0.08	0.00
22.70	0.08	0.002	92.01	0.08	0.08	0.00
22.75	0.08	0.002	92.01	0.08	0.08	0.00
22.80	0.08	0.002	92.01	0.08	0.08	0.00
22.85	0.08	0.002	92.01	0.08	0.08	0.00
22.90	0.08	0.002	92.01	0.08	0.08	0.00
22.95	0.08	0.002	92.01	0.08	0.08	0.00
23.00	0.08	0.002	92.01	0.08	0.08	0.00
23.05	0.08	0.002	92.01	0.08	0.08	0.00
23.10	0.08	0.002	92.01	0.08	0.08	0.00
23.15	0.08	0.002	92.01	0.08	0.08	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.08	0.002	92.01	0.08	0.08	0.00
23.25	0.08	0.002	92.01	0.08	0.08	0.00
23.30	0.08	0.002	92.01	0.08	0.08	0.00
23.35	0.08	0.002	92.01	0.08	0.08	0.00
23.40	0.08	0.002	92.01	0.08	0.08	0.00
23.45	0.08	0.002	92.01	0.08	0.08	0.00
23.50	0.08	0.002	92.01	0.08	0.08	0.00
23.55	0.08	0.002	92.01	0.08	0.08	0.00
23.60	0.08	0.002	92.01	0.08	0.08	0.00
23.65	0.08	0.002	92.01	0.08	0.08	0.00
23.70	0.08	0.002	92.01	0.08	0.08	0.00
23.75	0.08	0.002	92.01	0.08	0.08	0.00
23.80	0.08	0.002	92.01	0.08	0.08	0.00
23.85	0.08	0.002	92.01	0.08	0.08	0.00
23.90	0.08	0.002	92.01	0.08	0.08	0.00
23.95	0.08	0.002	92.01	0.08	0.08	0.00
24.00	0.08	0.002	92.01	0.08	0.08	0.00
24.05	0.08	0.002	92.01	0.08	0.08	0.00
24.10	0.07	0.002	92.01	0.08	0.08	0.00
24.15	0.06	0.002	92.01	0.08	0.08	0.00
24.20	0.06	0.002	92.01	0.07	0.07	0.00
24.25	0.05	0.002	92.01	0.07	0.07	0.00
24.30	0.04	0.002	92.01	0.07	0.07	0.00
24.35	0.04	0.002	92.01	0.06	0.06	0.00
24.40	0.03	0.002	92.01	0.06	0.06	0.00
24.45	0.03	0.002	92.01	0.06	0.06	0.00
24.50	0.03	0.001	92.01	0.05	0.05	0.00
24.55	0.02	0.001	92.01	0.05	0.05	0.00
24.60	0.02	0.001	92.01	0.05	0.05	0.00
24.65	0.02	0.001	92.01	0.04	0.04	0.00
24.70	0.02	0.001	92.00	0.04	0.04	0.00
24.75	0.01	0.001	92.00	0.04	0.04	0.00
24.80	0.01	0.001	92.00	0.03	0.03	0.00
24.85	0.01	0.001	92.00	0.03	0.03	0.00
24.90	0.01	0.001	92.00	0.03	0.03	0.00
24.95	0.01	0.001	92.00	0.03	0.03	0.00
25.00	0.01	0.001	92.00	0.02	0.02	0.00
25.05	0.01	0.001	92.00	0.02	0.02	0.00
25.10	0.01	0.001	92.00	0.02	0.02	0.00
25.15	0.01	0.000	92.00	0.02	0.02	0.00
25.20	0.01	0.000	92.00	0.02	0.02	0.00
25.25	0.01	0.000	92.00	0.01	0.01	0.00
25.30	0.00	0.000	92.00	0.01	0.01	0.00
25.35	0.00	0.000	92.00	0.01	0.01	0.00
25.40	0.00	0.000	92.00	0.01	0.01	0.00
25.45	0.00	0.000	92.00	0.01	0.01	0.00
25.50	0.00	0.000	92.00	0.01	0.01	0.00
25.55	0.00	0.000	92.00	0.01	0.01	0.00
25.60	0.00	0.000	92.00	0.01	0.01	0.00
25.65	0.00	0.000	92.00	0.01	0.01	0.00
25.70	0.00	0.000	92.00	0.01	0.01	0.00
25.75	0.00	0.000	92.00	0.01	0.01	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	92.00	0.00	0.00	0.00
25.85	0.00	0.000	92.00	0.00	0.00	0.00
25.90	0.00	0.000	92.00	0.00	0.00	0.00
25.95	0.00	0.000	92.00	0.00	0.00	0.00
26.00	0.00	0.000	92.00	0.00	0.00	0.00
26.05	0.00	0.000	92.00	0.00	0.00	0.00
26.10	0.00	0.000	92.00	0.00	0.00	0.00
26.15	0.00	0.000	92.00	0.00	0.00	0.00
26.20	0.00	0.000	92.00	0.00	0.00	0.00
26.25	0.00	0.000	92.00	0.00	0.00	0.00
26.30	0.00	0.000	92.00	0.00	0.00	0.00
26.35	0.00	0.000	92.00	0.00	0.00	0.00
26.40	0.00	0.000	92.00	0.00	0.00	0.00
26.45	0.00	0.000	92.00	0.00	0.00	0.00
26.50	0.00	0.000	92.00	0.00	0.00	0.00
26.55	0.00	0.000	92.00	0.00	0.00	0.00
26.60	0.00	0.000	92.00	0.00	0.00	0.00
26.65	0.00	0.000	92.00	0.00	0.00	0.00
26.70	0.00	0.000	92.00	0.00	0.00	0.00
26.75	0.00	0.000	92.00	0.00	0.00	0.00
26.80	0.00	0.000	92.00	0.00	0.00	0.00
26.85	0.00	0.000	92.00	0.00	0.00	0.00
26.90	0.00	0.000	92.00	0.00	0.00	0.00
26.95	0.00	0.000	92.00	0.00	0.00	0.00
27.00	0.00	0.000	92.00	0.00	0.00	0.00
27.05	0.00	0.000	92.00	0.00	0.00	0.00
27.10	0.00	0.000	92.00	0.00	0.00	0.00
27.15	0.00	0.000	92.00	0.00	0.00	0.00
27.20	0.00	0.000	92.00	0.00	0.00	0.00
27.25	0.00	0.000	92.00	0.00	0.00	0.00
27.30	0.00	0.000	92.00	0.00	0.00	0.00
27.35	0.00	0.000	92.00	0.00	0.00	0.00
27.40	0.00	0.000	92.00	0.00	0.00	0.00
27.45	0.00	0.000	92.00	0.00	0.00	0.00
27.50	0.00	0.000	92.00	0.00	0.00	0.00
27.55	0.00	0.000	92.00	0.00	0.00	0.00
27.60	0.00	0.000	92.00	0.00	0.00	0.00
27.65	0.00	0.000	92.00	0.00	0.00	0.00
27.70	0.00	0.000	92.00	0.00	0.00	0.00
27.75	0.00	0.000	92.00	0.00	0.00	0.00
27.80	0.00	0.000	92.00	0.00	0.00	0.00
27.85	0.00	0.000	92.00	0.00	0.00	0.00
27.90	0.00	0.000	92.00	0.00	0.00	0.00
27.95	0.00	0.000	92.00	0.00	0.00	0.00
28.00	0.00	0.000	92.00	0.00	0.00	0.00
28.05	0.00	0.000	92.00	0.00	0.00	0.00
28.10	0.00	0.000	92.00	0.00	0.00	0.00
28.15	0.00	0.000	92.00	0.00	0.00	0.00
28.20	0.00	0.000	92.00	0.00	0.00	0.00
28.25	0.00	0.000	92.00	0.00	0.00	0.00
28.30	0.00	0.000	92.00	0.00	0.00	0.00
28.35	0.00	0.000	92.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	92.00	0.00	0.00	0.00
28.45	0.00	0.000	92.00	0.00	0.00	0.00
28.50	0.00	0.000	92.00	0.00	0.00	0.00
28.55	0.00	0.000	92.00	0.00	0.00	0.00
28.60	0.00	0.000	92.00	0.00	0.00	0.00
28.65	0.00	0.000	92.00	0.00	0.00	0.00
28.70	0.00	0.000	92.00	0.00	0.00	0.00
28.75	0.00	0.000	92.00	0.00	0.00	0.00
28.80	0.00	0.000	92.00	0.00	0.00	0.00
28.85	0.00	0.000	92.00	0.00	0.00	0.00
28.90	0.00	0.000	92.00	0.00	0.00	0.00
28.95	0.00	0.000	92.00	0.00	0.00	0.00
29.00	0.00	0.000	92.00	0.00	0.00	0.00
29.05	0.00	0.000	92.00	0.00	0.00	0.00
29.10	0.00	0.000	92.00	0.00	0.00	0.00
29.15	0.00	0.000	92.00	0.00	0.00	0.00
29.20	0.00	0.000	92.00	0.00	0.00	0.00
29.25	0.00	0.000	92.00	0.00	0.00	0.00
29.30	0.00	0.000	92.00	0.00	0.00	0.00
29.35	0.00	0.000	92.00	0.00	0.00	0.00
29.40	0.00	0.000	92.00	0.00	0.00	0.00
29.45	0.00	0.000	92.00	0.00	0.00	0.00
29.50	0.00	0.000	92.00	0.00	0.00	0.00
29.55	0.00	0.000	92.00	0.00	0.00	0.00
29.60	0.00	0.000	92.00	0.00	0.00	0.00
29.65	0.00	0.000	92.00	0.00	0.00	0.00
29.70	0.00	0.000	92.00	0.00	0.00	0.00
29.75	0.00	0.000	92.00	0.00	0.00	0.00
29.80	0.00	0.000	92.00	0.00	0.00	0.00
29.85	0.00	0.000	92.00	0.00	0.00	0.00
29.90	0.00	0.000	92.00	0.00	0.00	0.00
29.95	0.00	0.000	92.00	0.00	0.00	0.00
30.00	0.00	0.000	92.00	0.00	0.00	0.00

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Time span=5.00-30.00 hrs, dt=0.05 hrs, 501 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment Basin 1 Imp: Basin 1 Imp Runoff Area=0.600 ac 100.00% Impervious Runoff Depth>8.52"
Tc=10.0 min CN=98 Runoff=3.25 cfs 0.426 af

Subcatchment Basin 1 Pervious: Basin 1 - Runoff Area=2.100 ac 0.00% Impervious Runoff Depth=1.74"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=1.07 cfs 0.304 af

Subcatchment Basin 1 Roof: Basin 1 Roof Runoff Area=0.500 ac 100.00% Impervious Runoff Depth>8.52"
Tc=10.0 min CN=98 Runoff=2.71 cfs 0.355 af

Subcatchment Basin 2 Impervious: Basin Runoff Area=0.800 ac 100.00% Impervious Runoff Depth>8.52"
Tc=10.0 min CN=98 Runoff=4.34 cfs 0.568 af

Subcatchment Basin 2 Pervious: Basin 2 - Runoff Area=2.050 ac 0.00% Impervious Runoff Depth=1.74"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=1.04 cfs 0.297 af

Subcatchment Basin 2 Roof: Basin 2 Roof Runoff Area=0.350 ac 100.00% Impervious Runoff Depth>8.52"
Tc=10.0 min CN=98 Runoff=1.90 cfs 0.248 af

Subcatchment Basin 3 Impervious: Basin Runoff Area=1.200 ac 100.00% Impervious Runoff Depth>8.52"
Tc=10.0 min CN=98 Runoff=6.51 cfs 0.852 af

Subcatchment Basin 3 Pervious: Basin 3 - Runoff Area=3.300 ac 0.00% Impervious Runoff Depth=1.74"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=1.67 cfs 0.478 af

Subcatchment Basin 4 & 5 - Pervious: Basin Runoff Area=3.100 ac 0.00% Impervious Runoff Depth=1.74"
Flow Length=1,440' Tc=17.3 min CN=39 Runoff=2.06 cfs 0.449 af

Subcatchment Basin 4 & 5- Impervious: Runoff Area=1.100 ac 100.00% Impervious Runoff Depth>8.52"
Tc=10.0 min CN=98 Runoff=5.97 cfs 0.781 af

Subcatchment Basin 6 Impervious: Basin Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>8.52"
Tc=10.0 min CN=98 Runoff=2.17 cfs 0.284 af

Subcatchment Basin 6 Pervious: Basin 6 - Runoff Area=1.500 ac 0.00% Impervious Runoff Depth=1.74"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.76 cfs 0.217 af

Reach Site: Site Inflow=0.95 cfs 0.555 af
Outflow=0.95 cfs 0.555 af

Pond Basin 1: Basin 1 Peak Elev=92.27' Storage=0.436 af Inflow=6.40 cfs 1.084 af
Discarded=0.78 cfs 0.845 af Primary=0.30 cfs 0.212 af Outflow=1.08 cfs 1.057 af

Pond Basin 2: Basin 2 Peak Elev=89.46' Storage=0.432 af Inflow=6.66 cfs 1.113 af
Discarded=0.90 cfs 0.997 af Primary=0.22 cfs 0.105 af Outflow=1.11 cfs 1.102 af

Pond Basin 3: Basin 3 Peak Elev=87.69' Storage=0.459 af Inflow=7.21 cfs 1.329 af
Discarded=1.10 cfs 1.251 af Primary=0.18 cfs 0.078 af Outflow=1.28 cfs 1.329 af

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Pond Basin 4 & 5: Basin 4 & 5

Peak Elev=90.81' Storage=0.483 af Inflow=7.53 cfs 1.229 af
Discarded=0.94 cfs 1.042 af Primary=0.26 cfs 0.160 af Outflow=1.19 cfs 1.201 af

Pond Basin 6: Basin 6

Peak Elev=92.62' Storage=0.139 af Inflow=2.49 cfs 0.501 af
Discarded=0.57 cfs 0.501 af Primary=0.00 cfs 0.000 af Outflow=0.57 cfs 0.501 af

Total Runoff Area = 17.000 ac Runoff Volume = 5.256 af Average Runoff Depth = 3.71"
70.88% Pervious = 12.050 ac 29.12% Impervious = 4.950 ac

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Summary for Subcatchment Basin 1 Imp: Basin 1 Imp

Runoff = 3.25 cfs @ 12.19 hrs, Volume= 0.426 af, Depth> 8.52"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.350	98	Pavement & Sidewalk
* 0.250	98	Driveways
0.600	98	Weighted Average
0.600		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.57	0.10	7.60	1.31	1.09	0.14
5.05	0.78	0.58	0.10	7.65	1.32	1.11	0.15
5.10	0.79	0.59	0.10	7.70	1.34	1.12	0.15
5.15	0.80	0.60	0.10	7.75	1.35	1.13	0.15
5.20	0.81	0.61	0.10	7.80	1.36	1.14	0.15
5.25	0.82	0.61	0.10	7.85	1.37	1.16	0.15
5.30	0.83	0.62	0.10	7.90	1.39	1.17	0.15
5.35	0.84	0.63	0.10	7.95	1.40	1.18	0.15
5.40	0.84	0.64	0.10	8.00	1.41	1.20	0.15
5.45	0.85	0.65	0.10	8.05	1.43	1.21	0.15
5.50	0.86	0.66	0.10	8.10	1.44	1.22	0.16
5.55	0.87	0.67	0.11	8.15	1.46	1.24	0.16
5.60	0.88	0.68	0.11	8.20	1.47	1.25	0.16
5.65	0.89	0.69	0.11	8.25	1.48	1.26	0.16
5.70	0.90	0.69	0.11	8.30	1.50	1.28	0.16
5.75	0.91	0.70	0.11	8.35	1.51	1.29	0.16
5.80	0.92	0.71	0.11	8.40	1.53	1.31	0.16
5.85	0.93	0.72	0.11	8.45	1.54	1.32	0.16
5.90	0.94	0.73	0.11	8.50	1.55	1.33	0.17
5.95	0.95	0.74	0.11	8.55	1.57	1.35	0.17
6.00	0.96	0.75	0.11	8.60	1.58	1.36	0.17
6.05	0.97	0.76	0.11	8.65	1.60	1.38	0.17
6.10	0.98	0.77	0.11	8.70	1.61	1.39	0.17
6.15	0.98	0.78	0.11	8.75	1.63	1.41	0.17
6.20	0.99	0.79	0.11	8.80	1.64	1.42	0.17
6.25	1.00	0.80	0.11	8.85	1.66	1.44	0.17
6.30	1.01	0.81	0.11	8.90	1.67	1.45	0.18
6.35	1.02	0.81	0.11	8.95	1.69	1.47	0.18
6.40	1.03	0.82	0.12	9.00	1.70	1.48	0.18
6.45	1.05	0.83	0.12	9.05	1.72	1.50	0.18
6.50	1.06	0.85	0.12	9.10	1.74	1.51	0.18
6.55	1.07	0.86	0.12	9.15	1.75	1.53	0.18
6.60	1.08	0.87	0.12	9.20	1.77	1.55	0.19
6.65	1.09	0.88	0.12	9.25	1.79	1.56	0.19
6.70	1.10	0.89	0.12	9.30	1.80	1.58	0.19
6.75	1.11	0.90	0.12	9.35	1.82	1.60	0.20
6.80	1.12	0.91	0.12	9.40	1.84	1.61	0.20
6.85	1.13	0.92	0.13	9.45	1.86	1.63	0.20
6.90	1.14	0.93	0.13	9.50	1.88	1.65	0.21
6.95	1.15	0.94	0.13	9.55	1.90	1.67	0.21
7.00	1.17	0.95	0.13	9.60	1.91	1.69	0.21
7.05	1.18	0.96	0.13	9.65	1.93	1.71	0.22
7.10	1.19	0.97	0.13	9.70	1.95	1.73	0.22
7.15	1.20	0.99	0.13	9.75	1.97	1.75	0.23
7.20	1.21	1.00	0.13	9.80	1.99	1.77	0.23
7.25	1.22	1.01	0.14	9.85	2.02	1.79	0.23
7.30	1.24	1.02	0.14	9.90	2.04	1.81	0.24
7.35	1.25	1.03	0.14	9.95	2.06	1.83	0.24
7.40	1.26	1.04	0.14	10.00	2.08	1.85	0.25
7.45	1.27	1.06	0.14	10.05	2.10	1.88	0.25
7.50	1.29	1.07	0.14	10.10	2.13	1.90	0.25
7.55	1.30	1.08	0.14	10.15	2.15	1.92	0.26

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	1.94	0.26	12.80	6.48	6.24	0.82
10.25	2.20	1.97	0.26	12.85	6.52	6.28	0.76
10.30	2.22	1.99	0.27	12.90	6.56	6.33	0.70
10.35	2.24	2.02	0.27	12.95	6.60	6.37	0.66
10.40	2.27	2.04	0.28	13.00	6.64	6.41	0.62
10.45	2.29	2.07	0.28	13.05	6.68	6.44	0.58
10.50	2.32	2.09	0.28	13.10	6.72	6.48	0.55
10.55	2.35	2.12	0.29	13.15	6.75	6.51	0.52
10.60	2.37	2.14	0.30	13.20	6.78	6.55	0.50
10.65	2.40	2.17	0.30	13.25	6.82	6.58	0.47
10.70	2.43	2.20	0.31	13.30	6.85	6.61	0.45
10.75	2.46	2.23	0.32	13.35	6.88	6.64	0.44
10.80	2.50	2.27	0.33	13.40	6.91	6.67	0.42
10.85	2.53	2.30	0.35	13.45	6.93	6.70	0.41
10.90	2.56	2.33	0.36	13.50	6.96	6.72	0.39
10.95	2.60	2.37	0.37	13.55	6.99	6.75	0.37
11.00	2.64	2.41	0.38	13.60	7.01	6.77	0.36
11.05	2.68	2.45	0.40	13.65	7.04	6.80	0.35
11.10	2.72	2.49	0.41	13.70	7.06	6.82	0.34
11.15	2.76	2.53	0.43	13.75	7.08	6.85	0.33
11.20	2.80	2.57	0.45	13.80	7.11	6.87	0.32
11.25	2.85	2.62	0.47	13.85	7.13	6.89	0.31
11.30	2.90	2.67	0.48	13.90	7.15	6.92	0.30
11.35	2.95	2.72	0.51	13.95	7.18	6.94	0.30
11.40	3.00	2.77	0.53	14.00	7.20	6.96	0.29
11.45	3.05	2.82	0.55	14.05	7.22	6.98	0.29
11.50	3.11	2.88	0.57	14.10	7.24	7.00	0.28
11.55	3.18	2.95	0.59	14.15	7.26	7.02	0.28
11.60	3.25	3.02	0.63	14.20	7.29	7.05	0.27
11.65	3.33	3.09	0.68	14.25	7.31	7.07	0.27
11.70	3.40	3.17	0.73	14.30	7.33	7.09	0.26
11.75	3.51	3.27	0.78	14.35	7.35	7.11	0.26
11.80	3.61	3.38	0.85	14.40	7.37	7.13	0.26
11.85	3.76	3.53	0.96	14.45	7.38	7.15	0.25
11.90	3.91	3.68	1.10	14.50	7.40	7.16	0.25
11.95	4.18	3.94	1.29	14.55	7.42	7.18	0.24
12.00	4.45	4.21	1.58	14.60	7.44	7.20	0.24
12.05	4.91	4.67	1.99	14.65	7.46	7.22	0.24
12.10	5.37	5.13	2.57	14.70	7.48	7.24	0.23
12.15	5.52	5.28	3.14	14.75	7.49	7.25	0.23
12.20	5.67	5.43	3.25	14.80	7.51	7.27	0.22
12.25	5.77	5.54	2.98	14.85	7.53	7.29	0.22
12.30	5.88	5.64	2.65	14.90	7.54	7.31	0.22
12.35	5.95	5.72	2.34	14.95	7.56	7.32	0.21
12.40	6.03	5.79	2.06	15.00	7.58	7.34	0.21
12.45	6.10	5.86	1.80	15.05	7.59	7.35	0.21
12.50	6.17	5.93	1.60	15.10	7.61	7.37	0.20
12.55	6.23	5.99	1.43	15.15	7.62	7.38	0.20
12.60	6.28	6.04	1.27	15.20	7.64	7.40	0.19
12.65	6.33	6.09	1.13	15.25	7.65	7.41	0.19
12.70	6.38	6.14	1.01	15.30	7.67	7.43	0.19
12.75	6.43	6.19	0.91	15.35	7.68	7.44	0.19

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	7.46	0.18	18.00	8.32	8.08	0.12
15.45	7.71	7.47	0.18	18.05	8.33	8.09	0.12
15.50	7.73	7.49	0.18	18.10	8.34	8.10	0.12
15.55	7.74	7.50	0.18	18.15	8.35	8.11	0.12
15.60	7.75	7.51	0.18	18.20	8.36	8.12	0.12
15.65	7.77	7.53	0.18	18.25	8.37	8.13	0.12
15.70	7.78	7.54	0.18	18.30	8.38	8.14	0.12
15.75	7.80	7.56	0.17	18.35	8.39	8.15	0.11
15.80	7.81	7.57	0.17	18.40	8.40	8.16	0.11
15.85	7.82	7.58	0.17	18.45	8.41	8.17	0.11
15.90	7.84	7.60	0.17	18.50	8.42	8.18	0.11
15.95	7.85	7.61	0.17	18.55	8.43	8.19	0.11
16.00	7.87	7.63	0.17	18.60	8.44	8.20	0.11
16.05	7.88	7.64	0.17	18.65	8.44	8.20	0.11
16.10	7.89	7.65	0.17	18.70	8.45	8.21	0.11
16.15	7.91	7.67	0.17	18.75	8.46	8.22	0.11
16.20	7.92	7.68	0.16	18.80	8.47	8.23	0.11
16.25	7.93	7.69	0.16	18.85	8.48	8.24	0.11
16.30	7.94	7.70	0.16	18.90	8.49	8.25	0.11
16.35	7.96	7.72	0.16	18.95	8.50	8.26	0.11
16.40	7.97	7.73	0.16	19.00	8.51	8.27	0.11
16.45	7.98	7.74	0.16	19.05	8.52	8.28	0.11
16.50	7.99	7.75	0.16	19.10	8.53	8.29	0.11
16.55	8.01	7.77	0.16	19.15	8.53	8.29	0.11
16.60	8.02	7.78	0.15	19.20	8.54	8.30	0.11
16.65	8.03	7.79	0.15	19.25	8.55	8.31	0.11
16.70	8.04	7.80	0.15	19.30	8.56	8.32	0.11
16.75	8.06	7.82	0.15	19.35	8.57	8.33	0.11
16.80	8.07	7.83	0.15	19.40	8.58	8.34	0.11
16.85	8.08	7.84	0.15	19.45	8.59	8.35	0.11
16.90	8.09	7.85	0.15	19.50	8.60	8.36	0.11
16.95	8.10	7.86	0.15	19.55	8.60	8.36	0.11
17.00	8.11	7.87	0.14	19.60	8.61	8.37	0.11
17.05	8.13	7.89	0.14	19.65	8.62	8.38	0.11
17.10	8.14	7.90	0.14	19.70	8.63	8.39	0.11
17.15	8.15	7.91	0.14	19.75	8.64	8.40	0.11
17.20	8.16	7.92	0.14	19.80	8.65	8.41	0.10
17.25	8.17	7.93	0.14	19.85	8.66	8.42	0.10
17.30	8.18	7.94	0.14	19.90	8.67	8.42	0.10
17.35	8.19	7.95	0.14	19.95	8.67	8.43	0.10
17.40	8.20	7.96	0.14	20.00	8.68	8.44	0.10
17.45	8.21	7.97	0.13	20.05	8.69	8.45	0.10
17.50	8.22	7.98	0.13	20.10	8.70	8.46	0.10
17.55	8.23	7.99	0.13	20.15	8.71	8.47	0.10
17.60	8.25	8.01	0.13	20.20	8.72	8.48	0.10
17.65	8.26	8.02	0.13	20.25	8.72	8.48	0.10
17.70	8.27	8.03	0.13	20.30	8.73	8.49	0.10
17.75	8.28	8.04	0.13	20.35	8.74	8.50	0.10
17.80	8.29	8.05	0.13	20.40	8.75	8.51	0.10
17.85	8.30	8.06	0.12	20.45	8.76	8.52	0.10
17.90	8.30	8.06	0.12	20.50	8.77	8.53	0.10
17.95	8.31	8.07	0.12	20.55	8.77	8.53	0.10

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	8.54	0.10	23.20	9.17	8.93	0.08
20.65	8.79	8.55	0.10	23.25	9.18	8.94	0.08
20.70	8.80	8.56	0.10	23.30	9.19	8.95	0.08
20.75	8.81	8.57	0.10	23.35	9.19	8.95	0.08
20.80	8.81	8.57	0.10	23.40	9.20	8.96	0.08
20.85	8.82	8.58	0.10	23.45	9.21	8.97	0.08
20.90	8.83	8.59	0.10	23.50	9.21	8.97	0.08
20.95	8.84	8.60	0.10	23.55	9.22	8.98	0.08
21.00	8.85	8.61	0.10	23.60	9.23	8.99	0.08
21.05	8.85	8.61	0.10	23.65	9.23	8.99	0.08
21.10	8.86	8.62	0.10	23.70	9.24	9.00	0.08
21.15	8.87	8.63	0.10	23.75	9.25	9.01	0.08
21.20	8.88	8.64	0.10	23.80	9.25	9.01	0.08
21.25	8.89	8.65	0.10	23.85	9.26	9.02	0.08
21.30	8.89	8.65	0.10	23.90	9.27	9.03	0.08
21.35	8.90	8.66	0.10	23.95	9.27	9.03	0.08
21.40	8.91	8.67	0.10	24.00	9.28	9.04	0.08
21.45	8.92	8.68	0.10	24.05	9.28	9.04	0.08
21.50	8.92	8.68	0.09	24.10	9.28	9.04	0.07
21.55	8.93	8.69	0.09	24.15	9.28	9.04	0.05
21.60	8.94	8.70	0.09	24.20	9.28	9.04	0.04
21.65	8.95	8.71	0.09	24.25	9.28	9.04	0.03
21.70	8.96	8.71	0.09	24.30	9.28	9.04	0.02
21.75	8.96	8.72	0.09	24.35	9.28	9.04	0.02
21.80	8.97	8.73	0.09	24.40	9.28	9.04	0.01
21.85	8.98	8.74	0.09	24.45	9.28	9.04	0.01
21.90	8.99	8.75	0.09	24.50	9.28	9.04	0.01
21.95	8.99	8.75	0.09	24.55	9.28	9.04	0.01
22.00	9.00	8.76	0.09	24.60	9.28	9.04	0.00
22.05	9.01	8.77	0.09	24.65	9.28	9.04	0.00
22.10	9.02	8.77	0.09	24.70	9.28	9.04	0.00
22.15	9.02	8.78	0.09	24.75	9.28	9.04	0.00
22.20	9.03	8.79	0.09	24.80	9.28	9.04	0.00
22.25	9.04	8.80	0.09	24.85	9.28	9.04	0.00
22.30	9.04	8.80	0.09	24.90	9.28	9.04	0.00
22.35	9.05	8.81	0.09	24.95	9.28	9.04	0.00
22.40	9.06	8.82	0.09	25.00	9.28	9.04	0.00
22.45	9.07	8.83	0.09	25.05	9.28	9.04	0.00
22.50	9.07	8.83	0.09	25.10	9.28	9.04	0.00
22.55	9.08	8.84	0.09	25.15	9.28	9.04	0.00
22.60	9.09	8.85	0.09	25.20	9.28	9.04	0.00
22.65	9.10	8.86	0.09	25.25	9.28	9.04	0.00
22.70	9.10	8.86	0.09	25.30	9.28	9.04	0.00
22.75	9.11	8.87	0.09	25.35	9.28	9.04	0.00
22.80	9.12	8.88	0.09	25.40	9.28	9.04	0.00
22.85	9.12	8.88	0.09	25.45	9.28	9.04	0.00
22.90	9.13	8.89	0.09	25.50	9.28	9.04	0.00
22.95	9.14	8.90	0.09	25.55	9.28	9.04	0.00
23.00	9.14	8.90	0.09	25.60	9.28	9.04	0.00
23.05	9.15	8.91	0.09	25.65	9.28	9.04	0.00
23.10	9.16	8.92	0.09	25.70	9.28	9.04	0.00
23.15	9.17	8.93	0.09	25.75	9.28	9.04	0.00

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	9.04	0.00	28.40	9.28	9.04	0.00
25.85	9.28	9.04	0.00	28.45	9.28	9.04	0.00
25.90	9.28	9.04	0.00	28.50	9.28	9.04	0.00
25.95	9.28	9.04	0.00	28.55	9.28	9.04	0.00
26.00	9.28	9.04	0.00	28.60	9.28	9.04	0.00
26.05	9.28	9.04	0.00	28.65	9.28	9.04	0.00
26.10	9.28	9.04	0.00	28.70	9.28	9.04	0.00
26.15	9.28	9.04	0.00	28.75	9.28	9.04	0.00
26.20	9.28	9.04	0.00	28.80	9.28	9.04	0.00
26.25	9.28	9.04	0.00	28.85	9.28	9.04	0.00
26.30	9.28	9.04	0.00	28.90	9.28	9.04	0.00
26.35	9.28	9.04	0.00	28.95	9.28	9.04	0.00
26.40	9.28	9.04	0.00	29.00	9.28	9.04	0.00
26.45	9.28	9.04	0.00	29.05	9.28	9.04	0.00
26.50	9.28	9.04	0.00	29.10	9.28	9.04	0.00
26.55	9.28	9.04	0.00	29.15	9.28	9.04	0.00
26.60	9.28	9.04	0.00	29.20	9.28	9.04	0.00
26.65	9.28	9.04	0.00	29.25	9.28	9.04	0.00
26.70	9.28	9.04	0.00	29.30	9.28	9.04	0.00
26.75	9.28	9.04	0.00	29.35	9.28	9.04	0.00
26.80	9.28	9.04	0.00	29.40	9.28	9.04	0.00
26.85	9.28	9.04	0.00	29.45	9.28	9.04	0.00
26.90	9.28	9.04	0.00	29.50	9.28	9.04	0.00
26.95	9.28	9.04	0.00	29.55	9.28	9.04	0.00
27.00	9.28	9.04	0.00	29.60	9.28	9.04	0.00
27.05	9.28	9.04	0.00	29.65	9.28	9.04	0.00
27.10	9.28	9.04	0.00	29.70	9.28	9.04	0.00
27.15	9.28	9.04	0.00	29.75	9.28	9.04	0.00
27.20	9.28	9.04	0.00	29.80	9.28	9.04	0.00
27.25	9.28	9.04	0.00	29.85	9.28	9.04	0.00
27.30	9.28	9.04	0.00	29.90	9.28	9.04	0.00
27.35	9.28	9.04	0.00	29.95	9.28	9.04	0.00
27.40	9.28	9.04	0.00	30.00	9.28	9.04	0.00
27.45	9.28	9.04	0.00				
27.50	9.28	9.04	0.00				
27.55	9.28	9.04	0.00				
27.60	9.28	9.04	0.00				
27.65	9.28	9.04	0.00				
27.70	9.28	9.04	0.00				
27.75	9.28	9.04	0.00				
27.80	9.28	9.04	0.00				
27.85	9.28	9.04	0.00				
27.90	9.28	9.04	0.00				
27.95	9.28	9.04	0.00				
28.00	9.28	9.04	0.00				
28.05	9.28	9.04	0.00				
28.10	9.28	9.04	0.00				
28.15	9.28	9.04	0.00				
28.20	9.28	9.04	0.00				
28.25	9.28	9.04	0.00				
28.30	9.28	9.04	0.00				
28.35	9.28	9.04	0.00				

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Summary for Subcatchment Basin 1 Pervious: Basin 1 - Pervious

Runoff = 1.07 cfs @ 12.52 hrs, Volume= 0.304 af, Depth= 1.74"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 2.100	39	lawn, A soils
2.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.00	0.00	7.60	1.31	0.00	0.00
5.05	0.78	0.00	0.00	7.65	1.32	0.00	0.00
5.10	0.79	0.00	0.00	7.70	1.34	0.00	0.00
5.15	0.80	0.00	0.00	7.75	1.35	0.00	0.00
5.20	0.81	0.00	0.00	7.80	1.36	0.00	0.00
5.25	0.82	0.00	0.00	7.85	1.37	0.00	0.00
5.30	0.83	0.00	0.00	7.90	1.39	0.00	0.00
5.35	0.84	0.00	0.00	7.95	1.40	0.00	0.00
5.40	0.84	0.00	0.00	8.00	1.41	0.00	0.00
5.45	0.85	0.00	0.00	8.05	1.43	0.00	0.00
5.50	0.86	0.00	0.00	8.10	1.44	0.00	0.00
5.55	0.87	0.00	0.00	8.15	1.46	0.00	0.00
5.60	0.88	0.00	0.00	8.20	1.47	0.00	0.00
5.65	0.89	0.00	0.00	8.25	1.48	0.00	0.00
5.70	0.90	0.00	0.00	8.30	1.50	0.00	0.00
5.75	0.91	0.00	0.00	8.35	1.51	0.00	0.00
5.80	0.92	0.00	0.00	8.40	1.53	0.00	0.00
5.85	0.93	0.00	0.00	8.45	1.54	0.00	0.00
5.90	0.94	0.00	0.00	8.50	1.55	0.00	0.00
5.95	0.95	0.00	0.00	8.55	1.57	0.00	0.00
6.00	0.96	0.00	0.00	8.60	1.58	0.00	0.00
6.05	0.97	0.00	0.00	8.65	1.60	0.00	0.00
6.10	0.98	0.00	0.00	8.70	1.61	0.00	0.00
6.15	0.98	0.00	0.00	8.75	1.63	0.00	0.00
6.20	0.99	0.00	0.00	8.80	1.64	0.00	0.00
6.25	1.00	0.00	0.00	8.85	1.66	0.00	0.00
6.30	1.01	0.00	0.00	8.90	1.67	0.00	0.00
6.35	1.02	0.00	0.00	8.95	1.69	0.00	0.00
6.40	1.03	0.00	0.00	9.00	1.70	0.00	0.00
6.45	1.05	0.00	0.00	9.05	1.72	0.00	0.00
6.50	1.06	0.00	0.00	9.10	1.74	0.00	0.00
6.55	1.07	0.00	0.00	9.15	1.75	0.00	0.00
6.60	1.08	0.00	0.00	9.20	1.77	0.00	0.00
6.65	1.09	0.00	0.00	9.25	1.79	0.00	0.00
6.70	1.10	0.00	0.00	9.30	1.80	0.00	0.00
6.75	1.11	0.00	0.00	9.35	1.82	0.00	0.00
6.80	1.12	0.00	0.00	9.40	1.84	0.00	0.00
6.85	1.13	0.00	0.00	9.45	1.86	0.00	0.00
6.90	1.14	0.00	0.00	9.50	1.88	0.00	0.00
6.95	1.15	0.00	0.00	9.55	1.90	0.00	0.00
7.00	1.17	0.00	0.00	9.60	1.91	0.00	0.00
7.05	1.18	0.00	0.00	9.65	1.93	0.00	0.00
7.10	1.19	0.00	0.00	9.70	1.95	0.00	0.00
7.15	1.20	0.00	0.00	9.75	1.97	0.00	0.00
7.20	1.21	0.00	0.00	9.80	1.99	0.00	0.00
7.25	1.22	0.00	0.00	9.85	2.02	0.00	0.00
7.30	1.24	0.00	0.00	9.90	2.04	0.00	0.00
7.35	1.25	0.00	0.00	9.95	2.06	0.00	0.00
7.40	1.26	0.00	0.00	10.00	2.08	0.00	0.00
7.45	1.27	0.00	0.00	10.05	2.10	0.00	0.00
7.50	1.29	0.00	0.00	10.10	2.13	0.00	0.00
7.55	1.30	0.00	0.00	10.15	2.15	0.00	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	0.00	0.00	12.80	6.48	0.59	0.97
10.25	2.20	0.00	0.00	12.85	6.52	0.60	0.95
10.30	2.22	0.00	0.00	12.90	6.56	0.62	0.92
10.35	2.24	0.00	0.00	12.95	6.60	0.63	0.90
10.40	2.27	0.00	0.00	13.00	6.64	0.65	0.88
10.45	2.29	0.00	0.00	13.05	6.68	0.66	0.85
10.50	2.32	0.00	0.00	13.10	6.72	0.67	0.83
10.55	2.35	0.00	0.00	13.15	6.75	0.68	0.81
10.60	2.37	0.00	0.00	13.20	6.78	0.69	0.79
10.65	2.40	0.00	0.00	13.25	6.82	0.70	0.76
10.70	2.43	0.00	0.00	13.30	6.85	0.71	0.74
10.75	2.46	0.00	0.00	13.35	6.88	0.73	0.72
10.80	2.50	0.00	0.00	13.40	6.91	0.74	0.70
10.85	2.53	0.00	0.00	13.45	6.93	0.75	0.68
10.90	2.56	0.00	0.00	13.50	6.96	0.75	0.66
10.95	2.60	0.00	0.00	13.55	6.99	0.76	0.65
11.00	2.64	0.00	0.00	13.60	7.01	0.77	0.63
11.05	2.68	0.00	0.00	13.65	7.04	0.78	0.61
11.10	2.72	0.00	0.00	13.70	7.06	0.79	0.59
11.15	2.76	0.00	0.00	13.75	7.08	0.80	0.57
11.20	2.80	0.00	0.00	13.80	7.11	0.81	0.55
11.25	2.85	0.00	0.00	13.85	7.13	0.82	0.54
11.30	2.90	0.00	0.00	13.90	7.15	0.82	0.52
11.35	2.95	0.00	0.00	13.95	7.18	0.83	0.51
11.40	3.00	0.00	0.00	14.00	7.20	0.84	0.49
11.45	3.05	0.00	0.00	14.05	7.22	0.85	0.48
11.50	3.11	0.00	0.00	14.10	7.24	0.86	0.47
11.55	3.18	0.00	0.00	14.15	7.26	0.86	0.45
11.60	3.25	0.00	0.00	14.20	7.29	0.87	0.44
11.65	3.33	0.00	0.00	14.25	7.31	0.88	0.43
11.70	3.40	0.00	0.00	14.30	7.33	0.89	0.42
11.75	3.51	0.01	0.00	14.35	7.35	0.90	0.42
11.80	3.61	0.01	0.01	14.40	7.37	0.90	0.41
11.85	3.76	0.02	0.01	14.45	7.38	0.91	0.40
11.90	3.91	0.04	0.03	14.50	7.40	0.92	0.39
11.95	4.18	0.07	0.04	14.55	7.42	0.93	0.39
12.00	4.45	0.10	0.07	14.60	7.44	0.93	0.38
12.05	4.91	0.18	0.12	14.65	7.46	0.94	0.37
12.10	5.37	0.28	0.19	14.70	7.48	0.95	0.37
12.15	5.52	0.32	0.30	14.75	7.49	0.95	0.36
12.20	5.67	0.35	0.45	14.80	7.51	0.96	0.35
12.25	5.77	0.38	0.62	14.85	7.53	0.97	0.35
12.30	5.88	0.41	0.79	14.90	7.54	0.97	0.34
12.35	5.95	0.43	0.92	14.95	7.56	0.98	0.34
12.40	6.03	0.45	1.01	15.00	7.58	0.99	0.33
12.45	6.10	0.47	1.05	15.05	7.59	0.99	0.33
12.50	6.17	0.50	1.06	15.10	7.61	1.00	0.32
12.55	6.23	0.51	1.06	15.15	7.62	1.00	0.31
12.60	6.28	0.53	1.05	15.20	7.64	1.01	0.31
12.65	6.33	0.54	1.04	15.25	7.65	1.02	0.30
12.70	6.38	0.56	1.02	15.30	7.67	1.02	0.30
12.75	6.43	0.58	1.00	15.35	7.68	1.03	0.29

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	1.03	0.29	18.00	8.32	1.30	0.20
15.45	7.71	1.04	0.29	18.05	8.33	1.30	0.20
15.50	7.73	1.04	0.28	18.10	8.34	1.30	0.19
15.55	7.74	1.05	0.28	18.15	8.35	1.31	0.19
15.60	7.75	1.06	0.28	18.20	8.36	1.31	0.19
15.65	7.77	1.06	0.27	18.25	8.37	1.32	0.19
15.70	7.78	1.07	0.27	18.30	8.38	1.32	0.19
15.75	7.80	1.07	0.27	18.35	8.39	1.32	0.19
15.80	7.81	1.08	0.27	18.40	8.40	1.33	0.19
15.85	7.82	1.08	0.26	18.45	8.41	1.33	0.18
15.90	7.84	1.09	0.26	18.50	8.42	1.34	0.18
15.95	7.85	1.10	0.26	18.55	8.43	1.34	0.18
16.00	7.87	1.10	0.26	18.60	8.44	1.34	0.18
16.05	7.88	1.11	0.26	18.65	8.44	1.35	0.18
16.10	7.89	1.11	0.25	18.70	8.45	1.35	0.18
16.15	7.91	1.12	0.25	18.75	8.46	1.36	0.18
16.20	7.92	1.12	0.25	18.80	8.47	1.36	0.18
16.25	7.93	1.13	0.25	18.85	8.48	1.36	0.18
16.30	7.94	1.13	0.25	18.90	8.49	1.37	0.18
16.35	7.96	1.14	0.25	18.95	8.50	1.37	0.18
16.40	7.97	1.14	0.24	19.00	8.51	1.38	0.18
16.45	7.98	1.15	0.24	19.05	8.52	1.38	0.18
16.50	7.99	1.15	0.24	19.10	8.53	1.38	0.17
16.55	8.01	1.16	0.24	19.15	8.53	1.39	0.17
16.60	8.02	1.17	0.24	19.20	8.54	1.39	0.17
16.65	8.03	1.17	0.24	19.25	8.55	1.40	0.17
16.70	8.04	1.18	0.23	19.30	8.56	1.40	0.17
16.75	8.06	1.18	0.23	19.35	8.57	1.40	0.17
16.80	8.07	1.19	0.23	19.40	8.58	1.41	0.17
16.85	8.08	1.19	0.23	19.45	8.59	1.41	0.17
16.90	8.09	1.20	0.23	19.50	8.60	1.42	0.17
16.95	8.10	1.20	0.23	19.55	8.60	1.42	0.17
17.00	8.11	1.21	0.23	19.60	8.61	1.42	0.17
17.05	8.13	1.21	0.22	19.65	8.62	1.43	0.17
17.10	8.14	1.21	0.22	19.70	8.63	1.43	0.17
17.15	8.15	1.22	0.22	19.75	8.64	1.44	0.17
17.20	8.16	1.22	0.22	19.80	8.65	1.44	0.17
17.25	8.17	1.23	0.22	19.85	8.66	1.44	0.17
17.30	8.18	1.23	0.22	19.90	8.67	1.45	0.17
17.35	8.19	1.24	0.22	19.95	8.67	1.45	0.17
17.40	8.20	1.24	0.21	20.00	8.68	1.46	0.17
17.45	8.21	1.25	0.21	20.05	8.69	1.46	0.17
17.50	8.22	1.25	0.21	20.10	8.70	1.46	0.17
17.55	8.23	1.26	0.21	20.15	8.71	1.47	0.17
17.60	8.25	1.26	0.21	20.20	8.72	1.47	0.17
17.65	8.26	1.27	0.21	20.25	8.72	1.47	0.17
17.70	8.27	1.27	0.21	20.30	8.73	1.48	0.17
17.75	8.28	1.27	0.20	20.35	8.74	1.48	0.17
17.80	8.29	1.28	0.20	20.40	8.75	1.49	0.16
17.85	8.30	1.28	0.20	20.45	8.76	1.49	0.16
17.90	8.30	1.29	0.20	20.50	8.77	1.49	0.16
17.95	8.31	1.29	0.20	20.55	8.77	1.50	0.16

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	1.50	0.16	23.20	9.17	1.68	0.15
20.65	8.79	1.50	0.16	23.25	9.18	1.69	0.14
20.70	8.80	1.51	0.16	23.30	9.19	1.69	0.14
20.75	8.81	1.51	0.16	23.35	9.19	1.69	0.14
20.80	8.81	1.52	0.16	23.40	9.20	1.70	0.14
20.85	8.82	1.52	0.16	23.45	9.21	1.70	0.14
20.90	8.83	1.52	0.16	23.50	9.21	1.70	0.14
20.95	8.84	1.53	0.16	23.55	9.22	1.71	0.14
21.00	8.85	1.53	0.16	23.60	9.23	1.71	0.14
21.05	8.85	1.53	0.16	23.65	9.23	1.71	0.14
21.10	8.86	1.54	0.16	23.70	9.24	1.72	0.14
21.15	8.87	1.54	0.16	23.75	9.25	1.72	0.14
21.20	8.88	1.55	0.16	23.80	9.25	1.72	0.14
21.25	8.89	1.55	0.16	23.85	9.26	1.73	0.14
21.30	8.89	1.55	0.16	23.90	9.27	1.73	0.14
21.35	8.90	1.56	0.16	23.95	9.27	1.73	0.14
21.40	8.91	1.56	0.16	24.00	9.28	1.74	0.14
21.45	8.92	1.56	0.16	24.05	9.28	1.74	0.14
21.50	8.92	1.57	0.16	24.10	9.28	1.74	0.14
21.55	8.93	1.57	0.16	24.15	9.28	1.74	0.13
21.60	8.94	1.57	0.16	24.20	9.28	1.74	0.13
21.65	8.95	1.58	0.16	24.25	9.28	1.74	0.12
21.70	8.96	1.58	0.16	24.30	9.28	1.74	0.11
21.75	8.96	1.59	0.16	24.35	9.28	1.74	0.10
21.80	8.97	1.59	0.16	24.40	9.28	1.74	0.10
21.85	8.98	1.59	0.16	24.45	9.28	1.74	0.09
21.90	8.99	1.60	0.15	24.50	9.28	1.74	0.08
21.95	8.99	1.60	0.15	24.55	9.28	1.74	0.07
22.00	9.00	1.60	0.15	24.60	9.28	1.74	0.06
22.05	9.01	1.61	0.15	24.65	9.28	1.74	0.06
22.10	9.02	1.61	0.15	24.70	9.28	1.74	0.05
22.15	9.02	1.61	0.15	24.75	9.28	1.74	0.05
22.20	9.03	1.62	0.15	24.80	9.28	1.74	0.04
22.25	9.04	1.62	0.15	24.85	9.28	1.74	0.04
22.30	9.04	1.62	0.15	24.90	9.28	1.74	0.04
22.35	9.05	1.63	0.15	24.95	9.28	1.74	0.03
22.40	9.06	1.63	0.15	25.00	9.28	1.74	0.03
22.45	9.07	1.63	0.15	25.05	9.28	1.74	0.03
22.50	9.07	1.64	0.15	25.10	9.28	1.74	0.02
22.55	9.08	1.64	0.15	25.15	9.28	1.74	0.02
22.60	9.09	1.64	0.15	25.20	9.28	1.74	0.02
22.65	9.10	1.65	0.15	25.25	9.28	1.74	0.02
22.70	9.10	1.65	0.15	25.30	9.28	1.74	0.02
22.75	9.11	1.65	0.15	25.35	9.28	1.74	0.01
22.80	9.12	1.66	0.15	25.40	9.28	1.74	0.01
22.85	9.12	1.66	0.15	25.45	9.28	1.74	0.01
22.90	9.13	1.66	0.15	25.50	9.28	1.74	0.01
22.95	9.14	1.67	0.15	25.55	9.28	1.74	0.01
23.00	9.14	1.67	0.15	25.60	9.28	1.74	0.01
23.05	9.15	1.67	0.15	25.65	9.28	1.74	0.01
23.10	9.16	1.68	0.15	25.70	9.28	1.74	0.01
23.15	9.17	1.68	0.15	25.75	9.28	1.74	0.01

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	1.74	0.00	28.40	9.28	1.74	0.00
25.85	9.28	1.74	0.00	28.45	9.28	1.74	0.00
25.90	9.28	1.74	0.00	28.50	9.28	1.74	0.00
25.95	9.28	1.74	0.00	28.55	9.28	1.74	0.00
26.00	9.28	1.74	0.00	28.60	9.28	1.74	0.00
26.05	9.28	1.74	0.00	28.65	9.28	1.74	0.00
26.10	9.28	1.74	0.00	28.70	9.28	1.74	0.00
26.15	9.28	1.74	0.00	28.75	9.28	1.74	0.00
26.20	9.28	1.74	0.00	28.80	9.28	1.74	0.00
26.25	9.28	1.74	0.00	28.85	9.28	1.74	0.00
26.30	9.28	1.74	0.00	28.90	9.28	1.74	0.00
26.35	9.28	1.74	0.00	28.95	9.28	1.74	0.00
26.40	9.28	1.74	0.00	29.00	9.28	1.74	0.00
26.45	9.28	1.74	0.00	29.05	9.28	1.74	0.00
26.50	9.28	1.74	0.00	29.10	9.28	1.74	0.00
26.55	9.28	1.74	0.00	29.15	9.28	1.74	0.00
26.60	9.28	1.74	0.00	29.20	9.28	1.74	0.00
26.65	9.28	1.74	0.00	29.25	9.28	1.74	0.00
26.70	9.28	1.74	0.00	29.30	9.28	1.74	0.00
26.75	9.28	1.74	0.00	29.35	9.28	1.74	0.00
26.80	9.28	1.74	0.00	29.40	9.28	1.74	0.00
26.85	9.28	1.74	0.00	29.45	9.28	1.74	0.00
26.90	9.28	1.74	0.00	29.50	9.28	1.74	0.00
26.95	9.28	1.74	0.00	29.55	9.28	1.74	0.00
27.00	9.28	1.74	0.00	29.60	9.28	1.74	0.00
27.05	9.28	1.74	0.00	29.65	9.28	1.74	0.00
27.10	9.28	1.74	0.00	29.70	9.28	1.74	0.00
27.15	9.28	1.74	0.00	29.75	9.28	1.74	0.00
27.20	9.28	1.74	0.00	29.80	9.28	1.74	0.00
27.25	9.28	1.74	0.00	29.85	9.28	1.74	0.00
27.30	9.28	1.74	0.00	29.90	9.28	1.74	0.00
27.35	9.28	1.74	0.00	29.95	9.28	1.74	0.00
27.40	9.28	1.74	0.00	30.00	9.28	1.74	0.00
27.45	9.28	1.74	0.00				
27.50	9.28	1.74	0.00				
27.55	9.28	1.74	0.00				
27.60	9.28	1.74	0.00				
27.65	9.28	1.74	0.00				
27.70	9.28	1.74	0.00				
27.75	9.28	1.74	0.00				
27.80	9.28	1.74	0.00				
27.85	9.28	1.74	0.00				
27.90	9.28	1.74	0.00				
27.95	9.28	1.74	0.00				
28.00	9.28	1.74	0.00				
28.05	9.28	1.74	0.00				
28.10	9.28	1.74	0.00				
28.15	9.28	1.74	0.00				
28.20	9.28	1.74	0.00				
28.25	9.28	1.74	0.00				
28.30	9.28	1.74	0.00				
28.35	9.28	1.74	0.00				

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Summary for Subcatchment Basin 1 Roof: Basin 1 Roof

Runoff = 2.71 cfs @ 12.19 hrs, Volume= 0.355 af, Depth> 8.52"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.500	98	Roof
0.500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.57	0.08	7.60	1.31	1.09	0.12
5.05	0.78	0.58	0.08	7.65	1.32	1.11	0.12
5.10	0.79	0.59	0.08	7.70	1.34	1.12	0.12
5.15	0.80	0.60	0.09	7.75	1.35	1.13	0.12
5.20	0.81	0.61	0.09	7.80	1.36	1.14	0.12
5.25	0.82	0.61	0.09	7.85	1.37	1.16	0.13
5.30	0.83	0.62	0.09	7.90	1.39	1.17	0.13
5.35	0.84	0.63	0.09	7.95	1.40	1.18	0.13
5.40	0.84	0.64	0.09	8.00	1.41	1.20	0.13
5.45	0.85	0.65	0.09	8.05	1.43	1.21	0.13
5.50	0.86	0.66	0.09	8.10	1.44	1.22	0.13
5.55	0.87	0.67	0.09	8.15	1.46	1.24	0.13
5.60	0.88	0.68	0.09	8.20	1.47	1.25	0.13
5.65	0.89	0.69	0.09	8.25	1.48	1.26	0.13
5.70	0.90	0.69	0.09	8.30	1.50	1.28	0.13
5.75	0.91	0.70	0.09	8.35	1.51	1.29	0.14
5.80	0.92	0.71	0.09	8.40	1.53	1.31	0.14
5.85	0.93	0.72	0.09	8.45	1.54	1.32	0.14
5.90	0.94	0.73	0.09	8.50	1.55	1.33	0.14
5.95	0.95	0.74	0.09	8.55	1.57	1.35	0.14
6.00	0.96	0.75	0.09	8.60	1.58	1.36	0.14
6.05	0.97	0.76	0.09	8.65	1.60	1.38	0.14
6.10	0.98	0.77	0.09	8.70	1.61	1.39	0.14
6.15	0.98	0.78	0.09	8.75	1.63	1.41	0.14
6.20	0.99	0.79	0.09	8.80	1.64	1.42	0.14
6.25	1.00	0.80	0.09	8.85	1.66	1.44	0.15
6.30	1.01	0.81	0.09	8.90	1.67	1.45	0.15
6.35	1.02	0.81	0.10	8.95	1.69	1.47	0.15
6.40	1.03	0.82	0.10	9.00	1.70	1.48	0.15
6.45	1.05	0.83	0.10	9.05	1.72	1.50	0.15
6.50	1.06	0.85	0.10	9.10	1.74	1.51	0.15
6.55	1.07	0.86	0.10	9.15	1.75	1.53	0.15
6.60	1.08	0.87	0.10	9.20	1.77	1.55	0.16
6.65	1.09	0.88	0.10	9.25	1.79	1.56	0.16
6.70	1.10	0.89	0.10	9.30	1.80	1.58	0.16
6.75	1.11	0.90	0.10	9.35	1.82	1.60	0.16
6.80	1.12	0.91	0.10	9.40	1.84	1.61	0.17
6.85	1.13	0.92	0.10	9.45	1.86	1.63	0.17
6.90	1.14	0.93	0.11	9.50	1.88	1.65	0.17
6.95	1.15	0.94	0.11	9.55	1.90	1.67	0.18
7.00	1.17	0.95	0.11	9.60	1.91	1.69	0.18
7.05	1.18	0.96	0.11	9.65	1.93	1.71	0.18
7.10	1.19	0.97	0.11	9.70	1.95	1.73	0.18
7.15	1.20	0.99	0.11	9.75	1.97	1.75	0.19
7.20	1.21	1.00	0.11	9.80	1.99	1.77	0.19
7.25	1.22	1.01	0.11	9.85	2.02	1.79	0.19
7.30	1.24	1.02	0.11	9.90	2.04	1.81	0.20
7.35	1.25	1.03	0.11	9.95	2.06	1.83	0.20
7.40	1.26	1.04	0.12	10.00	2.08	1.85	0.20
7.45	1.27	1.06	0.12	10.05	2.10	1.88	0.21
7.50	1.29	1.07	0.12	10.10	2.13	1.90	0.21
7.55	1.30	1.08	0.12	10.15	2.15	1.92	0.21

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	1.94	0.22	12.80	6.48	6.24	0.69
10.25	2.20	1.97	0.22	12.85	6.52	6.28	0.63
10.30	2.22	1.99	0.22	12.90	6.56	6.33	0.59
10.35	2.24	2.02	0.23	12.95	6.60	6.37	0.55
10.40	2.27	2.04	0.23	13.00	6.64	6.41	0.52
10.45	2.29	2.07	0.23	13.05	6.68	6.44	0.49
10.50	2.32	2.09	0.24	13.10	6.72	6.48	0.46
10.55	2.35	2.12	0.24	13.15	6.75	6.51	0.43
10.60	2.37	2.14	0.25	13.20	6.78	6.55	0.41
10.65	2.40	2.17	0.25	13.25	6.82	6.58	0.39
10.70	2.43	2.20	0.26	13.30	6.85	6.61	0.38
10.75	2.46	2.23	0.27	13.35	6.88	6.64	0.36
10.80	2.50	2.27	0.28	13.40	6.91	6.67	0.35
10.85	2.53	2.30	0.29	13.45	6.93	6.70	0.34
10.90	2.56	2.33	0.30	13.50	6.96	6.72	0.32
10.95	2.60	2.37	0.31	13.55	6.99	6.75	0.31
11.00	2.64	2.41	0.32	13.60	7.01	6.77	0.30
11.05	2.68	2.45	0.33	13.65	7.04	6.80	0.29
11.10	2.72	2.49	0.34	13.70	7.06	6.82	0.28
11.15	2.76	2.53	0.36	13.75	7.08	6.85	0.27
11.20	2.80	2.57	0.37	13.80	7.11	6.87	0.26
11.25	2.85	2.62	0.39	13.85	7.13	6.89	0.26
11.30	2.90	2.67	0.40	13.90	7.15	6.92	0.25
11.35	2.95	2.72	0.42	13.95	7.18	6.94	0.25
11.40	3.00	2.77	0.44	14.00	7.20	6.96	0.24
11.45	3.05	2.82	0.46	14.05	7.22	6.98	0.24
11.50	3.11	2.88	0.47	14.10	7.24	7.00	0.23
11.55	3.18	2.95	0.49	14.15	7.26	7.02	0.23
11.60	3.25	3.02	0.53	14.20	7.29	7.05	0.23
11.65	3.33	3.09	0.57	14.25	7.31	7.07	0.22
11.70	3.40	3.17	0.61	14.30	7.33	7.09	0.22
11.75	3.51	3.27	0.65	14.35	7.35	7.11	0.22
11.80	3.61	3.38	0.71	14.40	7.37	7.13	0.21
11.85	3.76	3.53	0.80	14.45	7.38	7.15	0.21
11.90	3.91	3.68	0.91	14.50	7.40	7.16	0.21
11.95	4.18	3.94	1.07	14.55	7.42	7.18	0.20
12.00	4.45	4.21	1.32	14.60	7.44	7.20	0.20
12.05	4.91	4.67	1.66	14.65	7.46	7.22	0.20
12.10	5.37	5.13	2.14	14.70	7.48	7.24	0.19
12.15	5.52	5.28	2.62	14.75	7.49	7.25	0.19
12.20	5.67	5.43	2.70	14.80	7.51	7.27	0.19
12.25	5.77	5.54	2.48	14.85	7.53	7.29	0.18
12.30	5.88	5.64	2.21	14.90	7.54	7.31	0.18
12.35	5.95	5.72	1.95	14.95	7.56	7.32	0.18
12.40	6.03	5.79	1.71	15.00	7.58	7.34	0.17
12.45	6.10	5.86	1.50	15.05	7.59	7.35	0.17
12.50	6.17	5.93	1.33	15.10	7.61	7.37	0.17
12.55	6.23	5.99	1.19	15.15	7.62	7.38	0.16
12.60	6.28	6.04	1.06	15.20	7.64	7.40	0.16
12.65	6.33	6.09	0.94	15.25	7.65	7.41	0.16
12.70	6.38	6.14	0.84	15.30	7.67	7.43	0.16
12.75	6.43	6.19	0.76	15.35	7.68	7.44	0.16

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	7.46	0.15	18.00	8.32	8.08	0.10
15.45	7.71	7.47	0.15	18.05	8.33	8.09	0.10
15.50	7.73	7.49	0.15	18.10	8.34	8.10	0.10
15.55	7.74	7.50	0.15	18.15	8.35	8.11	0.10
15.60	7.75	7.51	0.15	18.20	8.36	8.12	0.10
15.65	7.77	7.53	0.15	18.25	8.37	8.13	0.10
15.70	7.78	7.54	0.15	18.30	8.38	8.14	0.10
15.75	7.80	7.56	0.15	18.35	8.39	8.15	0.10
15.80	7.81	7.57	0.14	18.40	8.40	8.16	0.09
15.85	7.82	7.58	0.14	18.45	8.41	8.17	0.09
15.90	7.84	7.60	0.14	18.50	8.42	8.18	0.09
15.95	7.85	7.61	0.14	18.55	8.43	8.19	0.09
16.00	7.87	7.63	0.14	18.60	8.44	8.20	0.09
16.05	7.88	7.64	0.14	18.65	8.44	8.20	0.09
16.10	7.89	7.65	0.14	18.70	8.45	8.21	0.09
16.15	7.91	7.67	0.14	18.75	8.46	8.22	0.09
16.20	7.92	7.68	0.14	18.80	8.47	8.23	0.09
16.25	7.93	7.69	0.14	18.85	8.48	8.24	0.09
16.30	7.94	7.70	0.13	18.90	8.49	8.25	0.09
16.35	7.96	7.72	0.13	18.95	8.50	8.26	0.09
16.40	7.97	7.73	0.13	19.00	8.51	8.27	0.09
16.45	7.98	7.74	0.13	19.05	8.52	8.28	0.09
16.50	7.99	7.75	0.13	19.10	8.53	8.29	0.09
16.55	8.01	7.77	0.13	19.15	8.53	8.29	0.09
16.60	8.02	7.78	0.13	19.20	8.54	8.30	0.09
16.65	8.03	7.79	0.13	19.25	8.55	8.31	0.09
16.70	8.04	7.80	0.13	19.30	8.56	8.32	0.09
16.75	8.06	7.82	0.13	19.35	8.57	8.33	0.09
16.80	8.07	7.83	0.12	19.40	8.58	8.34	0.09
16.85	8.08	7.84	0.12	19.45	8.59	8.35	0.09
16.90	8.09	7.85	0.12	19.50	8.60	8.36	0.09
16.95	8.10	7.86	0.12	19.55	8.60	8.36	0.09
17.00	8.11	7.87	0.12	19.60	8.61	8.37	0.09
17.05	8.13	7.89	0.12	19.65	8.62	8.38	0.09
17.10	8.14	7.90	0.12	19.70	8.63	8.39	0.09
17.15	8.15	7.91	0.12	19.75	8.64	8.40	0.09
17.20	8.16	7.92	0.12	19.80	8.65	8.41	0.09
17.25	8.17	7.93	0.12	19.85	8.66	8.42	0.09
17.30	8.18	7.94	0.11	19.90	8.67	8.42	0.09
17.35	8.19	7.95	0.11	19.95	8.67	8.43	0.09
17.40	8.20	7.96	0.11	20.00	8.68	8.44	0.09
17.45	8.21	7.97	0.11	20.05	8.69	8.45	0.09
17.50	8.22	7.98	0.11	20.10	8.70	8.46	0.09
17.55	8.23	7.99	0.11	20.15	8.71	8.47	0.09
17.60	8.25	8.01	0.11	20.20	8.72	8.48	0.09
17.65	8.26	8.02	0.11	20.25	8.72	8.48	0.09
17.70	8.27	8.03	0.11	20.30	8.73	8.49	0.09
17.75	8.28	8.04	0.11	20.35	8.74	8.50	0.08
17.80	8.29	8.05	0.10	20.40	8.75	8.51	0.08
17.85	8.30	8.06	0.10	20.45	8.76	8.52	0.08
17.90	8.30	8.06	0.10	20.50	8.77	8.53	0.08
17.95	8.31	8.07	0.10	20.55	8.77	8.53	0.08

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	8.54	0.08	23.20	9.17	8.93	0.07
20.65	8.79	8.55	0.08	23.25	9.18	8.94	0.07
20.70	8.80	8.56	0.08	23.30	9.19	8.95	0.07
20.75	8.81	8.57	0.08	23.35	9.19	8.95	0.07
20.80	8.81	8.57	0.08	23.40	9.20	8.96	0.07
20.85	8.82	8.58	0.08	23.45	9.21	8.97	0.07
20.90	8.83	8.59	0.08	23.50	9.21	8.97	0.07
20.95	8.84	8.60	0.08	23.55	9.22	8.98	0.07
21.00	8.85	8.61	0.08	23.60	9.23	8.99	0.07
21.05	8.85	8.61	0.08	23.65	9.23	8.99	0.07
21.10	8.86	8.62	0.08	23.70	9.24	9.00	0.07
21.15	8.87	8.63	0.08	23.75	9.25	9.01	0.07
21.20	8.88	8.64	0.08	23.80	9.25	9.01	0.07
21.25	8.89	8.65	0.08	23.85	9.26	9.02	0.07
21.30	8.89	8.65	0.08	23.90	9.27	9.03	0.07
21.35	8.90	8.66	0.08	23.95	9.27	9.03	0.07
21.40	8.91	8.67	0.08	24.00	9.28	9.04	0.07
21.45	8.92	8.68	0.08	24.05	9.28	9.04	0.07
21.50	8.92	8.68	0.08	24.10	9.28	9.04	0.06
21.55	8.93	8.69	0.08	24.15	9.28	9.04	0.05
21.60	8.94	8.70	0.08	24.20	9.28	9.04	0.04
21.65	8.95	8.71	0.08	24.25	9.28	9.04	0.03
21.70	8.96	8.71	0.08	24.30	9.28	9.04	0.02
21.75	8.96	8.72	0.08	24.35	9.28	9.04	0.02
21.80	8.97	8.73	0.08	24.40	9.28	9.04	0.01
21.85	8.98	8.74	0.08	24.45	9.28	9.04	0.01
21.90	8.99	8.75	0.08	24.50	9.28	9.04	0.01
21.95	8.99	8.75	0.08	24.55	9.28	9.04	0.00
22.00	9.00	8.76	0.08	24.60	9.28	9.04	0.00
22.05	9.01	8.77	0.08	24.65	9.28	9.04	0.00
22.10	9.02	8.77	0.08	24.70	9.28	9.04	0.00
22.15	9.02	8.78	0.08	24.75	9.28	9.04	0.00
22.20	9.03	8.79	0.08	24.80	9.28	9.04	0.00
22.25	9.04	8.80	0.08	24.85	9.28	9.04	0.00
22.30	9.04	8.80	0.08	24.90	9.28	9.04	0.00
22.35	9.05	8.81	0.07	24.95	9.28	9.04	0.00
22.40	9.06	8.82	0.07	25.00	9.28	9.04	0.00
22.45	9.07	8.83	0.07	25.05	9.28	9.04	0.00
22.50	9.07	8.83	0.07	25.10	9.28	9.04	0.00
22.55	9.08	8.84	0.07	25.15	9.28	9.04	0.00
22.60	9.09	8.85	0.07	25.20	9.28	9.04	0.00
22.65	9.10	8.86	0.07	25.25	9.28	9.04	0.00
22.70	9.10	8.86	0.07	25.30	9.28	9.04	0.00
22.75	9.11	8.87	0.07	25.35	9.28	9.04	0.00
22.80	9.12	8.88	0.07	25.40	9.28	9.04	0.00
22.85	9.12	8.88	0.07	25.45	9.28	9.04	0.00
22.90	9.13	8.89	0.07	25.50	9.28	9.04	0.00
22.95	9.14	8.90	0.07	25.55	9.28	9.04	0.00
23.00	9.14	8.90	0.07	25.60	9.28	9.04	0.00
23.05	9.15	8.91	0.07	25.65	9.28	9.04	0.00
23.10	9.16	8.92	0.07	25.70	9.28	9.04	0.00
23.15	9.17	8.93	0.07	25.75	9.28	9.04	0.00

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	9.04	0.00	28.40	9.28	9.04	0.00
25.85	9.28	9.04	0.00	28.45	9.28	9.04	0.00
25.90	9.28	9.04	0.00	28.50	9.28	9.04	0.00
25.95	9.28	9.04	0.00	28.55	9.28	9.04	0.00
26.00	9.28	9.04	0.00	28.60	9.28	9.04	0.00
26.05	9.28	9.04	0.00	28.65	9.28	9.04	0.00
26.10	9.28	9.04	0.00	28.70	9.28	9.04	0.00
26.15	9.28	9.04	0.00	28.75	9.28	9.04	0.00
26.20	9.28	9.04	0.00	28.80	9.28	9.04	0.00
26.25	9.28	9.04	0.00	28.85	9.28	9.04	0.00
26.30	9.28	9.04	0.00	28.90	9.28	9.04	0.00
26.35	9.28	9.04	0.00	28.95	9.28	9.04	0.00
26.40	9.28	9.04	0.00	29.00	9.28	9.04	0.00
26.45	9.28	9.04	0.00	29.05	9.28	9.04	0.00
26.50	9.28	9.04	0.00	29.10	9.28	9.04	0.00
26.55	9.28	9.04	0.00	29.15	9.28	9.04	0.00
26.60	9.28	9.04	0.00	29.20	9.28	9.04	0.00
26.65	9.28	9.04	0.00	29.25	9.28	9.04	0.00
26.70	9.28	9.04	0.00	29.30	9.28	9.04	0.00
26.75	9.28	9.04	0.00	29.35	9.28	9.04	0.00
26.80	9.28	9.04	0.00	29.40	9.28	9.04	0.00
26.85	9.28	9.04	0.00	29.45	9.28	9.04	0.00
26.90	9.28	9.04	0.00	29.50	9.28	9.04	0.00
26.95	9.28	9.04	0.00	29.55	9.28	9.04	0.00
27.00	9.28	9.04	0.00	29.60	9.28	9.04	0.00
27.05	9.28	9.04	0.00	29.65	9.28	9.04	0.00
27.10	9.28	9.04	0.00	29.70	9.28	9.04	0.00
27.15	9.28	9.04	0.00	29.75	9.28	9.04	0.00
27.20	9.28	9.04	0.00	29.80	9.28	9.04	0.00
27.25	9.28	9.04	0.00	29.85	9.28	9.04	0.00
27.30	9.28	9.04	0.00	29.90	9.28	9.04	0.00
27.35	9.28	9.04	0.00	29.95	9.28	9.04	0.00
27.40	9.28	9.04	0.00	30.00	9.28	9.04	0.00
27.45	9.28	9.04	0.00				
27.50	9.28	9.04	0.00				
27.55	9.28	9.04	0.00				
27.60	9.28	9.04	0.00				
27.65	9.28	9.04	0.00				
27.70	9.28	9.04	0.00				
27.75	9.28	9.04	0.00				
27.80	9.28	9.04	0.00				
27.85	9.28	9.04	0.00				
27.90	9.28	9.04	0.00				
27.95	9.28	9.04	0.00				
28.00	9.28	9.04	0.00				
28.05	9.28	9.04	0.00				
28.10	9.28	9.04	0.00				
28.15	9.28	9.04	0.00				
28.20	9.28	9.04	0.00				
28.25	9.28	9.04	0.00				
28.30	9.28	9.04	0.00				
28.35	9.28	9.04	0.00				

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Summary for Subcatchment Basin 2 Impervious: Basin 2 Imp

Runoff = 4.34 cfs @ 12.19 hrs, Volume= 0.568 af, Depth> 8.52"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.500	98	Pavement & Sidewalk
* 0.300	98	Driveways
0.800	98	Weighted Average
0.800		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.57	0.13	7.60	1.31	1.09	0.19
5.05	0.78	0.58	0.14	7.65	1.32	1.11	0.19
5.10	0.79	0.59	0.14	7.70	1.34	1.12	0.20
5.15	0.80	0.60	0.14	7.75	1.35	1.13	0.20
5.20	0.81	0.61	0.14	7.80	1.36	1.14	0.20
5.25	0.82	0.61	0.14	7.85	1.37	1.16	0.20
5.30	0.83	0.62	0.14	7.90	1.39	1.17	0.20
5.35	0.84	0.63	0.14	7.95	1.40	1.18	0.20
5.40	0.84	0.64	0.14	8.00	1.41	1.20	0.20
5.45	0.85	0.65	0.14	8.05	1.43	1.21	0.21
5.50	0.86	0.66	0.14	8.10	1.44	1.22	0.21
5.55	0.87	0.67	0.14	8.15	1.46	1.24	0.21
5.60	0.88	0.68	0.14	8.20	1.47	1.25	0.21
5.65	0.89	0.69	0.14	8.25	1.48	1.26	0.21
5.70	0.90	0.69	0.14	8.30	1.50	1.28	0.21
5.75	0.91	0.70	0.14	8.35	1.51	1.29	0.22
5.80	0.92	0.71	0.14	8.40	1.53	1.31	0.22
5.85	0.93	0.72	0.14	8.45	1.54	1.32	0.22
5.90	0.94	0.73	0.14	8.50	1.55	1.33	0.22
5.95	0.95	0.74	0.14	8.55	1.57	1.35	0.22
6.00	0.96	0.75	0.14	8.60	1.58	1.36	0.22
6.05	0.97	0.76	0.15	8.65	1.60	1.38	0.23
6.10	0.98	0.77	0.15	8.70	1.61	1.39	0.23
6.15	0.98	0.78	0.15	8.75	1.63	1.41	0.23
6.20	0.99	0.79	0.15	8.80	1.64	1.42	0.23
6.25	1.00	0.80	0.15	8.85	1.66	1.44	0.23
6.30	1.01	0.81	0.15	8.90	1.67	1.45	0.23
6.35	1.02	0.81	0.15	8.95	1.69	1.47	0.24
6.40	1.03	0.82	0.15	9.00	1.70	1.48	0.24
6.45	1.05	0.83	0.15	9.05	1.72	1.50	0.24
6.50	1.06	0.85	0.16	9.10	1.74	1.51	0.24
6.55	1.07	0.86	0.16	9.15	1.75	1.53	0.24
6.60	1.08	0.87	0.16	9.20	1.77	1.55	0.25
6.65	1.09	0.88	0.16	9.25	1.79	1.56	0.25
6.70	1.10	0.89	0.16	9.30	1.80	1.58	0.26
6.75	1.11	0.90	0.16	9.35	1.82	1.60	0.26
6.80	1.12	0.91	0.17	9.40	1.84	1.61	0.27
6.85	1.13	0.92	0.17	9.45	1.86	1.63	0.27
6.90	1.14	0.93	0.17	9.50	1.88	1.65	0.28
6.95	1.15	0.94	0.17	9.55	1.90	1.67	0.28
7.00	1.17	0.95	0.17	9.60	1.91	1.69	0.29
7.05	1.18	0.96	0.17	9.65	1.93	1.71	0.29
7.10	1.19	0.97	0.18	9.70	1.95	1.73	0.30
7.15	1.20	0.99	0.18	9.75	1.97	1.75	0.30
7.20	1.21	1.00	0.18	9.80	1.99	1.77	0.31
7.25	1.22	1.01	0.18	9.85	2.02	1.79	0.31
7.30	1.24	1.02	0.18	9.90	2.04	1.81	0.32
7.35	1.25	1.03	0.18	9.95	2.06	1.83	0.32
7.40	1.26	1.04	0.19	10.00	2.08	1.85	0.33
7.45	1.27	1.06	0.19	10.05	2.10	1.88	0.33
7.50	1.29	1.07	0.19	10.10	2.13	1.90	0.34
7.55	1.30	1.08	0.19	10.15	2.15	1.92	0.34

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	1.94	0.35	12.80	6.48	6.24	1.10
10.25	2.20	1.97	0.35	12.85	6.52	6.28	1.01
10.30	2.22	1.99	0.36	12.90	6.56	6.33	0.94
10.35	2.24	2.02	0.36	12.95	6.60	6.37	0.88
10.40	2.27	2.04	0.37	13.00	6.64	6.41	0.83
10.45	2.29	2.07	0.37	13.05	6.68	6.44	0.78
10.50	2.32	2.09	0.38	13.10	6.72	6.48	0.74
10.55	2.35	2.12	0.39	13.15	6.75	6.51	0.70
10.60	2.37	2.14	0.39	13.20	6.78	6.55	0.66
10.65	2.40	2.17	0.40	13.25	6.82	6.58	0.63
10.70	2.43	2.20	0.42	13.30	6.85	6.61	0.61
10.75	2.46	2.23	0.43	13.35	6.88	6.64	0.58
10.80	2.50	2.27	0.44	13.40	6.91	6.67	0.56
10.85	2.53	2.30	0.46	13.45	6.93	6.70	0.54
10.90	2.56	2.33	0.48	13.50	6.96	6.72	0.52
10.95	2.60	2.37	0.49	13.55	6.99	6.75	0.50
11.00	2.64	2.41	0.51	13.60	7.01	6.77	0.48
11.05	2.68	2.45	0.53	13.65	7.04	6.80	0.46
11.10	2.72	2.49	0.55	13.70	7.06	6.82	0.45
11.15	2.76	2.53	0.57	13.75	7.08	6.85	0.43
11.20	2.80	2.57	0.59	13.80	7.11	6.87	0.42
11.25	2.85	2.62	0.62	13.85	7.13	6.89	0.41
11.30	2.90	2.67	0.65	13.90	7.15	6.92	0.40
11.35	2.95	2.72	0.67	13.95	7.18	6.94	0.40
11.40	3.00	2.77	0.70	14.00	7.20	6.96	0.39
11.45	3.05	2.82	0.73	14.05	7.22	6.98	0.38
11.50	3.11	2.88	0.76	14.10	7.24	7.00	0.38
11.55	3.18	2.95	0.79	14.15	7.26	7.02	0.37
11.60	3.25	3.02	0.84	14.20	7.29	7.05	0.36
11.65	3.33	3.09	0.91	14.25	7.31	7.07	0.36
11.70	3.40	3.17	0.97	14.30	7.33	7.09	0.35
11.75	3.51	3.27	1.04	14.35	7.35	7.11	0.35
11.80	3.61	3.38	1.14	14.40	7.37	7.13	0.34
11.85	3.76	3.53	1.27	14.45	7.38	7.15	0.34
11.90	3.91	3.68	1.46	14.50	7.40	7.16	0.33
11.95	4.18	3.94	1.72	14.55	7.42	7.18	0.33
12.00	4.45	4.21	2.11	14.60	7.44	7.20	0.32
12.05	4.91	4.67	2.65	14.65	7.46	7.22	0.32
12.10	5.37	5.13	3.42	14.70	7.48	7.24	0.31
12.15	5.52	5.28	4.18	14.75	7.49	7.25	0.31
12.20	5.67	5.43	4.33	14.80	7.51	7.27	0.30
12.25	5.77	5.54	3.97	14.85	7.53	7.29	0.29
12.30	5.88	5.64	3.53	14.90	7.54	7.31	0.29
12.35	5.95	5.72	3.12	14.95	7.56	7.32	0.28
12.40	6.03	5.79	2.74	15.00	7.58	7.34	0.28
12.45	6.10	5.86	2.41	15.05	7.59	7.35	0.27
12.50	6.17	5.93	2.13	15.10	7.61	7.37	0.27
12.55	6.23	5.99	1.90	15.15	7.62	7.38	0.26
12.60	6.28	6.04	1.70	15.20	7.64	7.40	0.26
12.65	6.33	6.09	1.51	15.25	7.65	7.41	0.26
12.70	6.38	6.14	1.34	15.30	7.67	7.43	0.25
12.75	6.43	6.19	1.21	15.35	7.68	7.44	0.25

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	7.46	0.25	18.00	8.32	8.08	0.16
15.45	7.71	7.47	0.24	18.05	8.33	8.09	0.16
15.50	7.73	7.49	0.24	18.10	8.34	8.10	0.16
15.55	7.74	7.50	0.24	18.15	8.35	8.11	0.16
15.60	7.75	7.51	0.24	18.20	8.36	8.12	0.16
15.65	7.77	7.53	0.24	18.25	8.37	8.13	0.15
15.70	7.78	7.54	0.23	18.30	8.38	8.14	0.15
15.75	7.80	7.56	0.23	18.35	8.39	8.15	0.15
15.80	7.81	7.57	0.23	18.40	8.40	8.16	0.15
15.85	7.82	7.58	0.23	18.45	8.41	8.17	0.15
15.90	7.84	7.60	0.23	18.50	8.42	8.18	0.15
15.95	7.85	7.61	0.23	18.55	8.43	8.19	0.15
16.00	7.87	7.63	0.22	18.60	8.44	8.20	0.15
16.05	7.88	7.64	0.22	18.65	8.44	8.20	0.15
16.10	7.89	7.65	0.22	18.70	8.45	8.21	0.15
16.15	7.91	7.67	0.22	18.75	8.46	8.22	0.15
16.20	7.92	7.68	0.22	18.80	8.47	8.23	0.15
16.25	7.93	7.69	0.22	18.85	8.48	8.24	0.15
16.30	7.94	7.70	0.22	18.90	8.49	8.25	0.15
16.35	7.96	7.72	0.21	18.95	8.50	8.26	0.15
16.40	7.97	7.73	0.21	19.00	8.51	8.27	0.15
16.45	7.98	7.74	0.21	19.05	8.52	8.28	0.15
16.50	7.99	7.75	0.21	19.10	8.53	8.29	0.15
16.55	8.01	7.77	0.21	19.15	8.53	8.29	0.15
16.60	8.02	7.78	0.21	19.20	8.54	8.30	0.14
16.65	8.03	7.79	0.20	19.25	8.55	8.31	0.14
16.70	8.04	7.80	0.20	19.30	8.56	8.32	0.14
16.75	8.06	7.82	0.20	19.35	8.57	8.33	0.14
16.80	8.07	7.83	0.20	19.40	8.58	8.34	0.14
16.85	8.08	7.84	0.20	19.45	8.59	8.35	0.14
16.90	8.09	7.85	0.20	19.50	8.60	8.36	0.14
16.95	8.10	7.86	0.19	19.55	8.60	8.36	0.14
17.00	8.11	7.87	0.19	19.60	8.61	8.37	0.14
17.05	8.13	7.89	0.19	19.65	8.62	8.38	0.14
17.10	8.14	7.90	0.19	19.70	8.63	8.39	0.14
17.15	8.15	7.91	0.19	19.75	8.64	8.40	0.14
17.20	8.16	7.92	0.19	19.80	8.65	8.41	0.14
17.25	8.17	7.93	0.19	19.85	8.66	8.42	0.14
17.30	8.18	7.94	0.18	19.90	8.67	8.42	0.14
17.35	8.19	7.95	0.18	19.95	8.67	8.43	0.14
17.40	8.20	7.96	0.18	20.00	8.68	8.44	0.14
17.45	8.21	7.97	0.18	20.05	8.69	8.45	0.14
17.50	8.22	7.98	0.18	20.10	8.70	8.46	0.14
17.55	8.23	7.99	0.18	20.15	8.71	8.47	0.14
17.60	8.25	8.01	0.17	20.20	8.72	8.48	0.14
17.65	8.26	8.02	0.17	20.25	8.72	8.48	0.14
17.70	8.27	8.03	0.17	20.30	8.73	8.49	0.14
17.75	8.28	8.04	0.17	20.35	8.74	8.50	0.14
17.80	8.29	8.05	0.17	20.40	8.75	8.51	0.14
17.85	8.30	8.06	0.17	20.45	8.76	8.52	0.13
17.90	8.30	8.06	0.16	20.50	8.77	8.53	0.13
17.95	8.31	8.07	0.16	20.55	8.77	8.53	0.13

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	8.54	0.13	23.20	9.17	8.93	0.11
20.65	8.79	8.55	0.13	23.25	9.18	8.94	0.11
20.70	8.80	8.56	0.13	23.30	9.19	8.95	0.11
20.75	8.81	8.57	0.13	23.35	9.19	8.95	0.11
20.80	8.81	8.57	0.13	23.40	9.20	8.96	0.11
20.85	8.82	8.58	0.13	23.45	9.21	8.97	0.11
20.90	8.83	8.59	0.13	23.50	9.21	8.97	0.11
20.95	8.84	8.60	0.13	23.55	9.22	8.98	0.11
21.00	8.85	8.61	0.13	23.60	9.23	8.99	0.11
21.05	8.85	8.61	0.13	23.65	9.23	8.99	0.11
21.10	8.86	8.62	0.13	23.70	9.24	9.00	0.11
21.15	8.87	8.63	0.13	23.75	9.25	9.01	0.11
21.20	8.88	8.64	0.13	23.80	9.25	9.01	0.11
21.25	8.89	8.65	0.13	23.85	9.26	9.02	0.11
21.30	8.89	8.65	0.13	23.90	9.27	9.03	0.11
21.35	8.90	8.66	0.13	23.95	9.27	9.03	0.11
21.40	8.91	8.67	0.13	24.00	9.28	9.04	0.11
21.45	8.92	8.68	0.13	24.05	9.28	9.04	0.11
21.50	8.92	8.68	0.13	24.10	9.28	9.04	0.09
21.55	8.93	8.69	0.13	24.15	9.28	9.04	0.07
21.60	8.94	8.70	0.13	24.20	9.28	9.04	0.06
21.65	8.95	8.71	0.13	24.25	9.28	9.04	0.04
21.70	8.96	8.71	0.12	24.30	9.28	9.04	0.03
21.75	8.96	8.72	0.12	24.35	9.28	9.04	0.03
21.80	8.97	8.73	0.12	24.40	9.28	9.04	0.02
21.85	8.98	8.74	0.12	24.45	9.28	9.04	0.01
21.90	8.99	8.75	0.12	24.50	9.28	9.04	0.01
21.95	8.99	8.75	0.12	24.55	9.28	9.04	0.01
22.00	9.00	8.76	0.12	24.60	9.28	9.04	0.01
22.05	9.01	8.77	0.12	24.65	9.28	9.04	0.00
22.10	9.02	8.77	0.12	24.70	9.28	9.04	0.00
22.15	9.02	8.78	0.12	24.75	9.28	9.04	0.00
22.20	9.03	8.79	0.12	24.80	9.28	9.04	0.00
22.25	9.04	8.80	0.12	24.85	9.28	9.04	0.00
22.30	9.04	8.80	0.12	24.90	9.28	9.04	0.00
22.35	9.05	8.81	0.12	24.95	9.28	9.04	0.00
22.40	9.06	8.82	0.12	25.00	9.28	9.04	0.00
22.45	9.07	8.83	0.12	25.05	9.28	9.04	0.00
22.50	9.07	8.83	0.12	25.10	9.28	9.04	0.00
22.55	9.08	8.84	0.12	25.15	9.28	9.04	0.00
22.60	9.09	8.85	0.12	25.20	9.28	9.04	0.00
22.65	9.10	8.86	0.12	25.25	9.28	9.04	0.00
22.70	9.10	8.86	0.12	25.30	9.28	9.04	0.00
22.75	9.11	8.87	0.12	25.35	9.28	9.04	0.00
22.80	9.12	8.88	0.12	25.40	9.28	9.04	0.00
22.85	9.12	8.88	0.12	25.45	9.28	9.04	0.00
22.90	9.13	8.89	0.12	25.50	9.28	9.04	0.00
22.95	9.14	8.90	0.11	25.55	9.28	9.04	0.00
23.00	9.14	8.90	0.11	25.60	9.28	9.04	0.00
23.05	9.15	8.91	0.11	25.65	9.28	9.04	0.00
23.10	9.16	8.92	0.11	25.70	9.28	9.04	0.00
23.15	9.17	8.93	0.11	25.75	9.28	9.04	0.00

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	9.04	0.00	28.40	9.28	9.04	0.00
25.85	9.28	9.04	0.00	28.45	9.28	9.04	0.00
25.90	9.28	9.04	0.00	28.50	9.28	9.04	0.00
25.95	9.28	9.04	0.00	28.55	9.28	9.04	0.00
26.00	9.28	9.04	0.00	28.60	9.28	9.04	0.00
26.05	9.28	9.04	0.00	28.65	9.28	9.04	0.00
26.10	9.28	9.04	0.00	28.70	9.28	9.04	0.00
26.15	9.28	9.04	0.00	28.75	9.28	9.04	0.00
26.20	9.28	9.04	0.00	28.80	9.28	9.04	0.00
26.25	9.28	9.04	0.00	28.85	9.28	9.04	0.00
26.30	9.28	9.04	0.00	28.90	9.28	9.04	0.00
26.35	9.28	9.04	0.00	28.95	9.28	9.04	0.00
26.40	9.28	9.04	0.00	29.00	9.28	9.04	0.00
26.45	9.28	9.04	0.00	29.05	9.28	9.04	0.00
26.50	9.28	9.04	0.00	29.10	9.28	9.04	0.00
26.55	9.28	9.04	0.00	29.15	9.28	9.04	0.00
26.60	9.28	9.04	0.00	29.20	9.28	9.04	0.00
26.65	9.28	9.04	0.00	29.25	9.28	9.04	0.00
26.70	9.28	9.04	0.00	29.30	9.28	9.04	0.00
26.75	9.28	9.04	0.00	29.35	9.28	9.04	0.00
26.80	9.28	9.04	0.00	29.40	9.28	9.04	0.00
26.85	9.28	9.04	0.00	29.45	9.28	9.04	0.00
26.90	9.28	9.04	0.00	29.50	9.28	9.04	0.00
26.95	9.28	9.04	0.00	29.55	9.28	9.04	0.00
27.00	9.28	9.04	0.00	29.60	9.28	9.04	0.00
27.05	9.28	9.04	0.00	29.65	9.28	9.04	0.00
27.10	9.28	9.04	0.00	29.70	9.28	9.04	0.00
27.15	9.28	9.04	0.00	29.75	9.28	9.04	0.00
27.20	9.28	9.04	0.00	29.80	9.28	9.04	0.00
27.25	9.28	9.04	0.00	29.85	9.28	9.04	0.00
27.30	9.28	9.04	0.00	29.90	9.28	9.04	0.00
27.35	9.28	9.04	0.00	29.95	9.28	9.04	0.00
27.40	9.28	9.04	0.00	30.00	9.28	9.04	0.00
27.45	9.28	9.04	0.00				
27.50	9.28	9.04	0.00				
27.55	9.28	9.04	0.00				
27.60	9.28	9.04	0.00				
27.65	9.28	9.04	0.00				
27.70	9.28	9.04	0.00				
27.75	9.28	9.04	0.00				
27.80	9.28	9.04	0.00				
27.85	9.28	9.04	0.00				
27.90	9.28	9.04	0.00				
27.95	9.28	9.04	0.00				
28.00	9.28	9.04	0.00				
28.05	9.28	9.04	0.00				
28.10	9.28	9.04	0.00				
28.15	9.28	9.04	0.00				
28.20	9.28	9.04	0.00				
28.25	9.28	9.04	0.00				
28.30	9.28	9.04	0.00				
28.35	9.28	9.04	0.00				

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Summary for Subcatchment Basin 2 Pervious: Basin 2 - Pervious

Runoff = 1.04 cfs @ 12.52 hrs, Volume= 0.297 af, Depth= 1.74"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 2.050	39	lawn, A soils
2.050		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.00	0.00	7.60	1.31	0.00	0.00
5.05	0.78	0.00	0.00	7.65	1.32	0.00	0.00
5.10	0.79	0.00	0.00	7.70	1.34	0.00	0.00
5.15	0.80	0.00	0.00	7.75	1.35	0.00	0.00
5.20	0.81	0.00	0.00	7.80	1.36	0.00	0.00
5.25	0.82	0.00	0.00	7.85	1.37	0.00	0.00
5.30	0.83	0.00	0.00	7.90	1.39	0.00	0.00
5.35	0.84	0.00	0.00	7.95	1.40	0.00	0.00
5.40	0.84	0.00	0.00	8.00	1.41	0.00	0.00
5.45	0.85	0.00	0.00	8.05	1.43	0.00	0.00
5.50	0.86	0.00	0.00	8.10	1.44	0.00	0.00
5.55	0.87	0.00	0.00	8.15	1.46	0.00	0.00
5.60	0.88	0.00	0.00	8.20	1.47	0.00	0.00
5.65	0.89	0.00	0.00	8.25	1.48	0.00	0.00
5.70	0.90	0.00	0.00	8.30	1.50	0.00	0.00
5.75	0.91	0.00	0.00	8.35	1.51	0.00	0.00
5.80	0.92	0.00	0.00	8.40	1.53	0.00	0.00
5.85	0.93	0.00	0.00	8.45	1.54	0.00	0.00
5.90	0.94	0.00	0.00	8.50	1.55	0.00	0.00
5.95	0.95	0.00	0.00	8.55	1.57	0.00	0.00
6.00	0.96	0.00	0.00	8.60	1.58	0.00	0.00
6.05	0.97	0.00	0.00	8.65	1.60	0.00	0.00
6.10	0.98	0.00	0.00	8.70	1.61	0.00	0.00
6.15	0.98	0.00	0.00	8.75	1.63	0.00	0.00
6.20	0.99	0.00	0.00	8.80	1.64	0.00	0.00
6.25	1.00	0.00	0.00	8.85	1.66	0.00	0.00
6.30	1.01	0.00	0.00	8.90	1.67	0.00	0.00
6.35	1.02	0.00	0.00	8.95	1.69	0.00	0.00
6.40	1.03	0.00	0.00	9.00	1.70	0.00	0.00
6.45	1.05	0.00	0.00	9.05	1.72	0.00	0.00
6.50	1.06	0.00	0.00	9.10	1.74	0.00	0.00
6.55	1.07	0.00	0.00	9.15	1.75	0.00	0.00
6.60	1.08	0.00	0.00	9.20	1.77	0.00	0.00
6.65	1.09	0.00	0.00	9.25	1.79	0.00	0.00
6.70	1.10	0.00	0.00	9.30	1.80	0.00	0.00
6.75	1.11	0.00	0.00	9.35	1.82	0.00	0.00
6.80	1.12	0.00	0.00	9.40	1.84	0.00	0.00
6.85	1.13	0.00	0.00	9.45	1.86	0.00	0.00
6.90	1.14	0.00	0.00	9.50	1.88	0.00	0.00
6.95	1.15	0.00	0.00	9.55	1.90	0.00	0.00
7.00	1.17	0.00	0.00	9.60	1.91	0.00	0.00
7.05	1.18	0.00	0.00	9.65	1.93	0.00	0.00
7.10	1.19	0.00	0.00	9.70	1.95	0.00	0.00
7.15	1.20	0.00	0.00	9.75	1.97	0.00	0.00
7.20	1.21	0.00	0.00	9.80	1.99	0.00	0.00
7.25	1.22	0.00	0.00	9.85	2.02	0.00	0.00
7.30	1.24	0.00	0.00	9.90	2.04	0.00	0.00
7.35	1.25	0.00	0.00	9.95	2.06	0.00	0.00
7.40	1.26	0.00	0.00	10.00	2.08	0.00	0.00
7.45	1.27	0.00	0.00	10.05	2.10	0.00	0.00
7.50	1.29	0.00	0.00	10.10	2.13	0.00	0.00
7.55	1.30	0.00	0.00	10.15	2.15	0.00	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	0.00	0.00	12.80	6.48	0.59	0.95
10.25	2.20	0.00	0.00	12.85	6.52	0.60	0.92
10.30	2.22	0.00	0.00	12.90	6.56	0.62	0.90
10.35	2.24	0.00	0.00	12.95	6.60	0.63	0.88
10.40	2.27	0.00	0.00	13.00	6.64	0.65	0.85
10.45	2.29	0.00	0.00	13.05	6.68	0.66	0.83
10.50	2.32	0.00	0.00	13.10	6.72	0.67	0.81
10.55	2.35	0.00	0.00	13.15	6.75	0.68	0.79
10.60	2.37	0.00	0.00	13.20	6.78	0.69	0.77
10.65	2.40	0.00	0.00	13.25	6.82	0.70	0.75
10.70	2.43	0.00	0.00	13.30	6.85	0.71	0.73
10.75	2.46	0.00	0.00	13.35	6.88	0.73	0.71
10.80	2.50	0.00	0.00	13.40	6.91	0.74	0.69
10.85	2.53	0.00	0.00	13.45	6.93	0.75	0.67
10.90	2.56	0.00	0.00	13.50	6.96	0.75	0.65
10.95	2.60	0.00	0.00	13.55	6.99	0.76	0.63
11.00	2.64	0.00	0.00	13.60	7.01	0.77	0.61
11.05	2.68	0.00	0.00	13.65	7.04	0.78	0.59
11.10	2.72	0.00	0.00	13.70	7.06	0.79	0.58
11.15	2.76	0.00	0.00	13.75	7.08	0.80	0.56
11.20	2.80	0.00	0.00	13.80	7.11	0.81	0.54
11.25	2.85	0.00	0.00	13.85	7.13	0.82	0.52
11.30	2.90	0.00	0.00	13.90	7.15	0.82	0.51
11.35	2.95	0.00	0.00	13.95	7.18	0.83	0.49
11.40	3.00	0.00	0.00	14.00	7.20	0.84	0.48
11.45	3.05	0.00	0.00	14.05	7.22	0.85	0.47
11.50	3.11	0.00	0.00	14.10	7.24	0.86	0.45
11.55	3.18	0.00	0.00	14.15	7.26	0.86	0.44
11.60	3.25	0.00	0.00	14.20	7.29	0.87	0.43
11.65	3.33	0.00	0.00	14.25	7.31	0.88	0.42
11.70	3.40	0.00	0.00	14.30	7.33	0.89	0.41
11.75	3.51	0.01	0.00	14.35	7.35	0.90	0.41
11.80	3.61	0.01	0.01	14.40	7.37	0.90	0.40
11.85	3.76	0.02	0.01	14.45	7.38	0.91	0.39
11.90	3.91	0.04	0.02	14.50	7.40	0.92	0.38
11.95	4.18	0.07	0.04	14.55	7.42	0.93	0.38
12.00	4.45	0.10	0.07	14.60	7.44	0.93	0.37
12.05	4.91	0.18	0.11	14.65	7.46	0.94	0.36
12.10	5.37	0.28	0.19	14.70	7.48	0.95	0.36
12.15	5.52	0.32	0.30	14.75	7.49	0.95	0.35
12.20	5.67	0.35	0.44	14.80	7.51	0.96	0.35
12.25	5.77	0.38	0.61	14.85	7.53	0.97	0.34
12.30	5.88	0.41	0.77	14.90	7.54	0.97	0.33
12.35	5.95	0.43	0.90	14.95	7.56	0.98	0.33
12.40	6.03	0.45	0.98	15.00	7.58	0.99	0.32
12.45	6.10	0.47	1.03	15.05	7.59	0.99	0.32
12.50	6.17	0.50	1.04	15.10	7.61	1.00	0.31
12.55	6.23	0.51	1.04	15.15	7.62	1.00	0.31
12.60	6.28	0.53	1.03	15.20	7.64	1.01	0.30
12.65	6.33	0.54	1.01	15.25	7.65	1.02	0.30
12.70	6.38	0.56	0.99	15.30	7.67	1.02	0.29
12.75	6.43	0.58	0.97	15.35	7.68	1.03	0.29

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	1.03	0.28	18.00	8.32	1.30	0.19
15.45	7.71	1.04	0.28	18.05	8.33	1.30	0.19
15.50	7.73	1.04	0.28	18.10	8.34	1.30	0.19
15.55	7.74	1.05	0.27	18.15	8.35	1.31	0.19
15.60	7.75	1.06	0.27	18.20	8.36	1.31	0.19
15.65	7.77	1.06	0.27	18.25	8.37	1.32	0.19
15.70	7.78	1.07	0.26	18.30	8.38	1.32	0.18
15.75	7.80	1.07	0.26	18.35	8.39	1.32	0.18
15.80	7.81	1.08	0.26	18.40	8.40	1.33	0.18
15.85	7.82	1.08	0.26	18.45	8.41	1.33	0.18
15.90	7.84	1.09	0.26	18.50	8.42	1.34	0.18
15.95	7.85	1.10	0.25	18.55	8.43	1.34	0.18
16.00	7.87	1.10	0.25	18.60	8.44	1.34	0.18
16.05	7.88	1.11	0.25	18.65	8.44	1.35	0.18
16.10	7.89	1.11	0.25	18.70	8.45	1.35	0.18
16.15	7.91	1.12	0.25	18.75	8.46	1.36	0.17
16.20	7.92	1.12	0.24	18.80	8.47	1.36	0.17
16.25	7.93	1.13	0.24	18.85	8.48	1.36	0.17
16.30	7.94	1.13	0.24	18.90	8.49	1.37	0.17
16.35	7.96	1.14	0.24	18.95	8.50	1.37	0.17
16.40	7.97	1.14	0.24	19.00	8.51	1.38	0.17
16.45	7.98	1.15	0.24	19.05	8.52	1.38	0.17
16.50	7.99	1.15	0.23	19.10	8.53	1.38	0.17
16.55	8.01	1.16	0.23	19.15	8.53	1.39	0.17
16.60	8.02	1.17	0.23	19.20	8.54	1.39	0.17
16.65	8.03	1.17	0.23	19.25	8.55	1.40	0.17
16.70	8.04	1.18	0.23	19.30	8.56	1.40	0.17
16.75	8.06	1.18	0.23	19.35	8.57	1.40	0.17
16.80	8.07	1.19	0.23	19.40	8.58	1.41	0.17
16.85	8.08	1.19	0.22	19.45	8.59	1.41	0.17
16.90	8.09	1.20	0.22	19.50	8.60	1.42	0.17
16.95	8.10	1.20	0.22	19.55	8.60	1.42	0.17
17.00	8.11	1.21	0.22	19.60	8.61	1.42	0.17
17.05	8.13	1.21	0.22	19.65	8.62	1.43	0.17
17.10	8.14	1.21	0.22	19.70	8.63	1.43	0.17
17.15	8.15	1.22	0.22	19.75	8.64	1.44	0.17
17.20	8.16	1.22	0.22	19.80	8.65	1.44	0.16
17.25	8.17	1.23	0.21	19.85	8.66	1.44	0.16
17.30	8.18	1.23	0.21	19.90	8.67	1.45	0.16
17.35	8.19	1.24	0.21	19.95	8.67	1.45	0.16
17.40	8.20	1.24	0.21	20.00	8.68	1.46	0.16
17.45	8.21	1.25	0.21	20.05	8.69	1.46	0.16
17.50	8.22	1.25	0.21	20.10	8.70	1.46	0.16
17.55	8.23	1.26	0.21	20.15	8.71	1.47	0.16
17.60	8.25	1.26	0.20	20.20	8.72	1.47	0.16
17.65	8.26	1.27	0.20	20.25	8.72	1.47	0.16
17.70	8.27	1.27	0.20	20.30	8.73	1.48	0.16
17.75	8.28	1.27	0.20	20.35	8.74	1.48	0.16
17.80	8.29	1.28	0.20	20.40	8.75	1.49	0.16
17.85	8.30	1.28	0.20	20.45	8.76	1.49	0.16
17.90	8.30	1.29	0.20	20.50	8.77	1.49	0.16
17.95	8.31	1.29	0.19	20.55	8.77	1.50	0.16

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	1.50	0.16	23.20	9.17	1.68	0.14
20.65	8.79	1.50	0.16	23.25	9.18	1.69	0.14
20.70	8.80	1.51	0.16	23.30	9.19	1.69	0.14
20.75	8.81	1.51	0.16	23.35	9.19	1.69	0.14
20.80	8.81	1.52	0.16	23.40	9.20	1.70	0.14
20.85	8.82	1.52	0.16	23.45	9.21	1.70	0.14
20.90	8.83	1.52	0.16	23.50	9.21	1.70	0.14
20.95	8.84	1.53	0.16	23.55	9.22	1.71	0.14
21.00	8.85	1.53	0.16	23.60	9.23	1.71	0.14
21.05	8.85	1.53	0.16	23.65	9.23	1.71	0.14
21.10	8.86	1.54	0.16	23.70	9.24	1.72	0.14
21.15	8.87	1.54	0.16	23.75	9.25	1.72	0.14
21.20	8.88	1.55	0.16	23.80	9.25	1.72	0.14
21.25	8.89	1.55	0.16	23.85	9.26	1.73	0.14
21.30	8.89	1.55	0.16	23.90	9.27	1.73	0.14
21.35	8.90	1.56	0.15	23.95	9.27	1.73	0.14
21.40	8.91	1.56	0.15	24.00	9.28	1.74	0.14
21.45	8.92	1.56	0.15	24.05	9.28	1.74	0.14
21.50	8.92	1.57	0.15	24.10	9.28	1.74	0.13
21.55	8.93	1.57	0.15	24.15	9.28	1.74	0.13
21.60	8.94	1.57	0.15	24.20	9.28	1.74	0.13
21.65	8.95	1.58	0.15	24.25	9.28	1.74	0.12
21.70	8.96	1.58	0.15	24.30	9.28	1.74	0.11
21.75	8.96	1.59	0.15	24.35	9.28	1.74	0.10
21.80	8.97	1.59	0.15	24.40	9.28	1.74	0.09
21.85	8.98	1.59	0.15	24.45	9.28	1.74	0.08
21.90	8.99	1.60	0.15	24.50	9.28	1.74	0.08
21.95	8.99	1.60	0.15	24.55	9.28	1.74	0.07
22.00	9.00	1.60	0.15	24.60	9.28	1.74	0.06
22.05	9.01	1.61	0.15	24.65	9.28	1.74	0.06
22.10	9.02	1.61	0.15	24.70	9.28	1.74	0.05
22.15	9.02	1.61	0.15	24.75	9.28	1.74	0.05
22.20	9.03	1.62	0.15	24.80	9.28	1.74	0.04
22.25	9.04	1.62	0.15	24.85	9.28	1.74	0.04
22.30	9.04	1.62	0.15	24.90	9.28	1.74	0.04
22.35	9.05	1.63	0.15	24.95	9.28	1.74	0.03
22.40	9.06	1.63	0.15	25.00	9.28	1.74	0.03
22.45	9.07	1.63	0.15	25.05	9.28	1.74	0.03
22.50	9.07	1.64	0.15	25.10	9.28	1.74	0.02
22.55	9.08	1.64	0.15	25.15	9.28	1.74	0.02
22.60	9.09	1.64	0.15	25.20	9.28	1.74	0.02
22.65	9.10	1.65	0.15	25.25	9.28	1.74	0.02
22.70	9.10	1.65	0.15	25.30	9.28	1.74	0.02
22.75	9.11	1.65	0.15	25.35	9.28	1.74	0.01
22.80	9.12	1.66	0.14	25.40	9.28	1.74	0.01
22.85	9.12	1.66	0.14	25.45	9.28	1.74	0.01
22.90	9.13	1.66	0.14	25.50	9.28	1.74	0.01
22.95	9.14	1.67	0.14	25.55	9.28	1.74	0.01
23.00	9.14	1.67	0.14	25.60	9.28	1.74	0.01
23.05	9.15	1.67	0.14	25.65	9.28	1.74	0.01
23.10	9.16	1.68	0.14	25.70	9.28	1.74	0.01
23.15	9.17	1.68	0.14	25.75	9.28	1.74	0.01

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	1.74	0.00	28.40	9.28	1.74	0.00
25.85	9.28	1.74	0.00	28.45	9.28	1.74	0.00
25.90	9.28	1.74	0.00	28.50	9.28	1.74	0.00
25.95	9.28	1.74	0.00	28.55	9.28	1.74	0.00
26.00	9.28	1.74	0.00	28.60	9.28	1.74	0.00
26.05	9.28	1.74	0.00	28.65	9.28	1.74	0.00
26.10	9.28	1.74	0.00	28.70	9.28	1.74	0.00
26.15	9.28	1.74	0.00	28.75	9.28	1.74	0.00
26.20	9.28	1.74	0.00	28.80	9.28	1.74	0.00
26.25	9.28	1.74	0.00	28.85	9.28	1.74	0.00
26.30	9.28	1.74	0.00	28.90	9.28	1.74	0.00
26.35	9.28	1.74	0.00	28.95	9.28	1.74	0.00
26.40	9.28	1.74	0.00	29.00	9.28	1.74	0.00
26.45	9.28	1.74	0.00	29.05	9.28	1.74	0.00
26.50	9.28	1.74	0.00	29.10	9.28	1.74	0.00
26.55	9.28	1.74	0.00	29.15	9.28	1.74	0.00
26.60	9.28	1.74	0.00	29.20	9.28	1.74	0.00
26.65	9.28	1.74	0.00	29.25	9.28	1.74	0.00
26.70	9.28	1.74	0.00	29.30	9.28	1.74	0.00
26.75	9.28	1.74	0.00	29.35	9.28	1.74	0.00
26.80	9.28	1.74	0.00	29.40	9.28	1.74	0.00
26.85	9.28	1.74	0.00	29.45	9.28	1.74	0.00
26.90	9.28	1.74	0.00	29.50	9.28	1.74	0.00
26.95	9.28	1.74	0.00	29.55	9.28	1.74	0.00
27.00	9.28	1.74	0.00	29.60	9.28	1.74	0.00
27.05	9.28	1.74	0.00	29.65	9.28	1.74	0.00
27.10	9.28	1.74	0.00	29.70	9.28	1.74	0.00
27.15	9.28	1.74	0.00	29.75	9.28	1.74	0.00
27.20	9.28	1.74	0.00	29.80	9.28	1.74	0.00
27.25	9.28	1.74	0.00	29.85	9.28	1.74	0.00
27.30	9.28	1.74	0.00	29.90	9.28	1.74	0.00
27.35	9.28	1.74	0.00	29.95	9.28	1.74	0.00
27.40	9.28	1.74	0.00	30.00	9.28	1.74	0.00
27.45	9.28	1.74	0.00				
27.50	9.28	1.74	0.00				
27.55	9.28	1.74	0.00				
27.60	9.28	1.74	0.00				
27.65	9.28	1.74	0.00				
27.70	9.28	1.74	0.00				
27.75	9.28	1.74	0.00				
27.80	9.28	1.74	0.00				
27.85	9.28	1.74	0.00				
27.90	9.28	1.74	0.00				
27.95	9.28	1.74	0.00				
28.00	9.28	1.74	0.00				
28.05	9.28	1.74	0.00				
28.10	9.28	1.74	0.00				
28.15	9.28	1.74	0.00				
28.20	9.28	1.74	0.00				
28.25	9.28	1.74	0.00				
28.30	9.28	1.74	0.00				
28.35	9.28	1.74	0.00				

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Summary for Subcatchment Basin 2 Roof: Basin 2 Roof

Runoff = 1.90 cfs @ 12.19 hrs, Volume= 0.248 af, Depth> 8.52"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.350	98	Roof
0.350		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.57	0.06	7.60	1.31	1.09	0.08
5.05	0.78	0.58	0.06	7.65	1.32	1.11	0.08
5.10	0.79	0.59	0.06	7.70	1.34	1.12	0.09
5.15	0.80	0.60	0.06	7.75	1.35	1.13	0.09
5.20	0.81	0.61	0.06	7.80	1.36	1.14	0.09
5.25	0.82	0.61	0.06	7.85	1.37	1.16	0.09
5.30	0.83	0.62	0.06	7.90	1.39	1.17	0.09
5.35	0.84	0.63	0.06	7.95	1.40	1.18	0.09
5.40	0.84	0.64	0.06	8.00	1.41	1.20	0.09
5.45	0.85	0.65	0.06	8.05	1.43	1.21	0.09
5.50	0.86	0.66	0.06	8.10	1.44	1.22	0.09
5.55	0.87	0.67	0.06	8.15	1.46	1.24	0.09
5.60	0.88	0.68	0.06	8.20	1.47	1.25	0.09
5.65	0.89	0.69	0.06	8.25	1.48	1.26	0.09
5.70	0.90	0.69	0.06	8.30	1.50	1.28	0.09
5.75	0.91	0.70	0.06	8.35	1.51	1.29	0.09
5.80	0.92	0.71	0.06	8.40	1.53	1.31	0.10
5.85	0.93	0.72	0.06	8.45	1.54	1.32	0.10
5.90	0.94	0.73	0.06	8.50	1.55	1.33	0.10
5.95	0.95	0.74	0.06	8.55	1.57	1.35	0.10
6.00	0.96	0.75	0.06	8.60	1.58	1.36	0.10
6.05	0.97	0.76	0.06	8.65	1.60	1.38	0.10
6.10	0.98	0.77	0.06	8.70	1.61	1.39	0.10
6.15	0.98	0.78	0.06	8.75	1.63	1.41	0.10
6.20	0.99	0.79	0.06	8.80	1.64	1.42	0.10
6.25	1.00	0.80	0.07	8.85	1.66	1.44	0.10
6.30	1.01	0.81	0.07	8.90	1.67	1.45	0.10
6.35	1.02	0.81	0.07	8.95	1.69	1.47	0.10
6.40	1.03	0.82	0.07	9.00	1.70	1.48	0.10
6.45	1.05	0.83	0.07	9.05	1.72	1.50	0.10
6.50	1.06	0.85	0.07	9.10	1.74	1.51	0.11
6.55	1.07	0.86	0.07	9.15	1.75	1.53	0.11
6.60	1.08	0.87	0.07	9.20	1.77	1.55	0.11
6.65	1.09	0.88	0.07	9.25	1.79	1.56	0.11
6.70	1.10	0.89	0.07	9.30	1.80	1.58	0.11
6.75	1.11	0.90	0.07	9.35	1.82	1.60	0.11
6.80	1.12	0.91	0.07	9.40	1.84	1.61	0.12
6.85	1.13	0.92	0.07	9.45	1.86	1.63	0.12
6.90	1.14	0.93	0.07	9.50	1.88	1.65	0.12
6.95	1.15	0.94	0.07	9.55	1.90	1.67	0.12
7.00	1.17	0.95	0.08	9.60	1.91	1.69	0.12
7.05	1.18	0.96	0.08	9.65	1.93	1.71	0.13
7.10	1.19	0.97	0.08	9.70	1.95	1.73	0.13
7.15	1.20	0.99	0.08	9.75	1.97	1.75	0.13
7.20	1.21	1.00	0.08	9.80	1.99	1.77	0.13
7.25	1.22	1.01	0.08	9.85	2.02	1.79	0.14
7.30	1.24	1.02	0.08	9.90	2.04	1.81	0.14
7.35	1.25	1.03	0.08	9.95	2.06	1.83	0.14
7.40	1.26	1.04	0.08	10.00	2.08	1.85	0.14
7.45	1.27	1.06	0.08	10.05	2.10	1.88	0.15
7.50	1.29	1.07	0.08	10.10	2.13	1.90	0.15
7.55	1.30	1.08	0.08	10.15	2.15	1.92	0.15

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	1.94	0.15	12.80	6.48	6.24	0.48
10.25	2.20	1.97	0.15	12.85	6.52	6.28	0.44
10.30	2.22	1.99	0.16	12.90	6.56	6.33	0.41
10.35	2.24	2.02	0.16	12.95	6.60	6.37	0.38
10.40	2.27	2.04	0.16	13.00	6.64	6.41	0.36
10.45	2.29	2.07	0.16	13.05	6.68	6.44	0.34
10.50	2.32	2.09	0.17	13.10	6.72	6.48	0.32
10.55	2.35	2.12	0.17	13.15	6.75	6.51	0.30
10.60	2.37	2.14	0.17	13.20	6.78	6.55	0.29
10.65	2.40	2.17	0.18	13.25	6.82	6.58	0.28
10.70	2.43	2.20	0.18	13.30	6.85	6.61	0.27
10.75	2.46	2.23	0.19	13.35	6.88	6.64	0.25
10.80	2.50	2.27	0.19	13.40	6.91	6.67	0.25
10.85	2.53	2.30	0.20	13.45	6.93	6.70	0.24
10.90	2.56	2.33	0.21	13.50	6.96	6.72	0.23
10.95	2.60	2.37	0.22	13.55	6.99	6.75	0.22
11.00	2.64	2.41	0.22	13.60	7.01	6.77	0.21
11.05	2.68	2.45	0.23	13.65	7.04	6.80	0.20
11.10	2.72	2.49	0.24	13.70	7.06	6.82	0.20
11.15	2.76	2.53	0.25	13.75	7.08	6.85	0.19
11.20	2.80	2.57	0.26	13.80	7.11	6.87	0.18
11.25	2.85	2.62	0.27	13.85	7.13	6.89	0.18
11.30	2.90	2.67	0.28	13.90	7.15	6.92	0.18
11.35	2.95	2.72	0.29	13.95	7.18	6.94	0.17
11.40	3.00	2.77	0.31	14.00	7.20	6.96	0.17
11.45	3.05	2.82	0.32	14.05	7.22	6.98	0.17
11.50	3.11	2.88	0.33	14.10	7.24	7.00	0.16
11.55	3.18	2.95	0.35	14.15	7.26	7.02	0.16
11.60	3.25	3.02	0.37	14.20	7.29	7.05	0.16
11.65	3.33	3.09	0.40	14.25	7.31	7.07	0.16
11.70	3.40	3.17	0.43	14.30	7.33	7.09	0.15
11.75	3.51	3.27	0.46	14.35	7.35	7.11	0.15
11.80	3.61	3.38	0.50	14.40	7.37	7.13	0.15
11.85	3.76	3.53	0.56	14.45	7.38	7.15	0.15
11.90	3.91	3.68	0.64	14.50	7.40	7.16	0.14
11.95	4.18	3.94	0.75	14.55	7.42	7.18	0.14
12.00	4.45	4.21	0.92	14.60	7.44	7.20	0.14
12.05	4.91	4.67	1.16	14.65	7.46	7.22	0.14
12.10	5.37	5.13	1.50	14.70	7.48	7.24	0.14
12.15	5.52	5.28	1.83	14.75	7.49	7.25	0.13
12.20	5.67	5.43	1.89	14.80	7.51	7.27	0.13
12.25	5.77	5.54	1.74	14.85	7.53	7.29	0.13
12.30	5.88	5.64	1.54	14.90	7.54	7.31	0.13
12.35	5.95	5.72	1.36	14.95	7.56	7.32	0.12
12.40	6.03	5.79	1.20	15.00	7.58	7.34	0.12
12.45	6.10	5.86	1.05	15.05	7.59	7.35	0.12
12.50	6.17	5.93	0.93	15.10	7.61	7.37	0.12
12.55	6.23	5.99	0.83	15.15	7.62	7.38	0.12
12.60	6.28	6.04	0.74	15.20	7.64	7.40	0.11
12.65	6.33	6.09	0.66	15.25	7.65	7.41	0.11
12.70	6.38	6.14	0.59	15.30	7.67	7.43	0.11
12.75	6.43	6.19	0.53	15.35	7.68	7.44	0.11

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	7.46	0.11	18.00	8.32	8.08	0.07
15.45	7.71	7.47	0.11	18.05	8.33	8.09	0.07
15.50	7.73	7.49	0.11	18.10	8.34	8.10	0.07
15.55	7.74	7.50	0.11	18.15	8.35	8.11	0.07
15.60	7.75	7.51	0.10	18.20	8.36	8.12	0.07
15.65	7.77	7.53	0.10	18.25	8.37	8.13	0.07
15.70	7.78	7.54	0.10	18.30	8.38	8.14	0.07
15.75	7.80	7.56	0.10	18.35	8.39	8.15	0.07
15.80	7.81	7.57	0.10	18.40	8.40	8.16	0.07
15.85	7.82	7.58	0.10	18.45	8.41	8.17	0.07
15.90	7.84	7.60	0.10	18.50	8.42	8.18	0.07
15.95	7.85	7.61	0.10	18.55	8.43	8.19	0.07
16.00	7.87	7.63	0.10	18.60	8.44	8.20	0.07
16.05	7.88	7.64	0.10	18.65	8.44	8.20	0.07
16.10	7.89	7.65	0.10	18.70	8.45	8.21	0.07
16.15	7.91	7.67	0.10	18.75	8.46	8.22	0.06
16.20	7.92	7.68	0.10	18.80	8.47	8.23	0.06
16.25	7.93	7.69	0.09	18.85	8.48	8.24	0.06
16.30	7.94	7.70	0.09	18.90	8.49	8.25	0.06
16.35	7.96	7.72	0.09	18.95	8.50	8.26	0.06
16.40	7.97	7.73	0.09	19.00	8.51	8.27	0.06
16.45	7.98	7.74	0.09	19.05	8.52	8.28	0.06
16.50	7.99	7.75	0.09	19.10	8.53	8.29	0.06
16.55	8.01	7.77	0.09	19.15	8.53	8.29	0.06
16.60	8.02	7.78	0.09	19.20	8.54	8.30	0.06
16.65	8.03	7.79	0.09	19.25	8.55	8.31	0.06
16.70	8.04	7.80	0.09	19.30	8.56	8.32	0.06
16.75	8.06	7.82	0.09	19.35	8.57	8.33	0.06
16.80	8.07	7.83	0.09	19.40	8.58	8.34	0.06
16.85	8.08	7.84	0.09	19.45	8.59	8.35	0.06
16.90	8.09	7.85	0.09	19.50	8.60	8.36	0.06
16.95	8.10	7.86	0.09	19.55	8.60	8.36	0.06
17.00	8.11	7.87	0.08	19.60	8.61	8.37	0.06
17.05	8.13	7.89	0.08	19.65	8.62	8.38	0.06
17.10	8.14	7.90	0.08	19.70	8.63	8.39	0.06
17.15	8.15	7.91	0.08	19.75	8.64	8.40	0.06
17.20	8.16	7.92	0.08	19.80	8.65	8.41	0.06
17.25	8.17	7.93	0.08	19.85	8.66	8.42	0.06
17.30	8.18	7.94	0.08	19.90	8.67	8.42	0.06
17.35	8.19	7.95	0.08	19.95	8.67	8.43	0.06
17.40	8.20	7.96	0.08	20.00	8.68	8.44	0.06
17.45	8.21	7.97	0.08	20.05	8.69	8.45	0.06
17.50	8.22	7.98	0.08	20.10	8.70	8.46	0.06
17.55	8.23	7.99	0.08	20.15	8.71	8.47	0.06
17.60	8.25	8.01	0.08	20.20	8.72	8.48	0.06
17.65	8.26	8.02	0.08	20.25	8.72	8.48	0.06
17.70	8.27	8.03	0.07	20.30	8.73	8.49	0.06
17.75	8.28	8.04	0.07	20.35	8.74	8.50	0.06
17.80	8.29	8.05	0.07	20.40	8.75	8.51	0.06
17.85	8.30	8.06	0.07	20.45	8.76	8.52	0.06
17.90	8.30	8.06	0.07	20.50	8.77	8.53	0.06
17.95	8.31	8.07	0.07	20.55	8.77	8.53	0.06

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	8.54	0.06	23.20	9.17	8.93	0.05
20.65	8.79	8.55	0.06	23.25	9.18	8.94	0.05
20.70	8.80	8.56	0.06	23.30	9.19	8.95	0.05
20.75	8.81	8.57	0.06	23.35	9.19	8.95	0.05
20.80	8.81	8.57	0.06	23.40	9.20	8.96	0.05
20.85	8.82	8.58	0.06	23.45	9.21	8.97	0.05
20.90	8.83	8.59	0.06	23.50	9.21	8.97	0.05
20.95	8.84	8.60	0.06	23.55	9.22	8.98	0.05
21.00	8.85	8.61	0.06	23.60	9.23	8.99	0.05
21.05	8.85	8.61	0.06	23.65	9.23	8.99	0.05
21.10	8.86	8.62	0.06	23.70	9.24	9.00	0.05
21.15	8.87	8.63	0.06	23.75	9.25	9.01	0.05
21.20	8.88	8.64	0.06	23.80	9.25	9.01	0.05
21.25	8.89	8.65	0.06	23.85	9.26	9.02	0.05
21.30	8.89	8.65	0.06	23.90	9.27	9.03	0.05
21.35	8.90	8.66	0.06	23.95	9.27	9.03	0.05
21.40	8.91	8.67	0.06	24.00	9.28	9.04	0.05
21.45	8.92	8.68	0.06	24.05	9.28	9.04	0.05
21.50	8.92	8.68	0.06	24.10	9.28	9.04	0.04
21.55	8.93	8.69	0.06	24.15	9.28	9.04	0.03
21.60	8.94	8.70	0.06	24.20	9.28	9.04	0.02
21.65	8.95	8.71	0.05	24.25	9.28	9.04	0.02
21.70	8.96	8.71	0.05	24.30	9.28	9.04	0.01
21.75	8.96	8.72	0.05	24.35	9.28	9.04	0.01
21.80	8.97	8.73	0.05	24.40	9.28	9.04	0.01
21.85	8.98	8.74	0.05	24.45	9.28	9.04	0.01
21.90	8.99	8.75	0.05	24.50	9.28	9.04	0.00
21.95	8.99	8.75	0.05	24.55	9.28	9.04	0.00
22.00	9.00	8.76	0.05	24.60	9.28	9.04	0.00
22.05	9.01	8.77	0.05	24.65	9.28	9.04	0.00
22.10	9.02	8.77	0.05	24.70	9.28	9.04	0.00
22.15	9.02	8.78	0.05	24.75	9.28	9.04	0.00
22.20	9.03	8.79	0.05	24.80	9.28	9.04	0.00
22.25	9.04	8.80	0.05	24.85	9.28	9.04	0.00
22.30	9.04	8.80	0.05	24.90	9.28	9.04	0.00
22.35	9.05	8.81	0.05	24.95	9.28	9.04	0.00
22.40	9.06	8.82	0.05	25.00	9.28	9.04	0.00
22.45	9.07	8.83	0.05	25.05	9.28	9.04	0.00
22.50	9.07	8.83	0.05	25.10	9.28	9.04	0.00
22.55	9.08	8.84	0.05	25.15	9.28	9.04	0.00
22.60	9.09	8.85	0.05	25.20	9.28	9.04	0.00
22.65	9.10	8.86	0.05	25.25	9.28	9.04	0.00
22.70	9.10	8.86	0.05	25.30	9.28	9.04	0.00
22.75	9.11	8.87	0.05	25.35	9.28	9.04	0.00
22.80	9.12	8.88	0.05	25.40	9.28	9.04	0.00
22.85	9.12	8.88	0.05	25.45	9.28	9.04	0.00
22.90	9.13	8.89	0.05	25.50	9.28	9.04	0.00
22.95	9.14	8.90	0.05	25.55	9.28	9.04	0.00
23.00	9.14	8.90	0.05	25.60	9.28	9.04	0.00
23.05	9.15	8.91	0.05	25.65	9.28	9.04	0.00
23.10	9.16	8.92	0.05	25.70	9.28	9.04	0.00
23.15	9.17	8.93	0.05	25.75	9.28	9.04	0.00

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	9.04	0.00	28.40	9.28	9.04	0.00
25.85	9.28	9.04	0.00	28.45	9.28	9.04	0.00
25.90	9.28	9.04	0.00	28.50	9.28	9.04	0.00
25.95	9.28	9.04	0.00	28.55	9.28	9.04	0.00
26.00	9.28	9.04	0.00	28.60	9.28	9.04	0.00
26.05	9.28	9.04	0.00	28.65	9.28	9.04	0.00
26.10	9.28	9.04	0.00	28.70	9.28	9.04	0.00
26.15	9.28	9.04	0.00	28.75	9.28	9.04	0.00
26.20	9.28	9.04	0.00	28.80	9.28	9.04	0.00
26.25	9.28	9.04	0.00	28.85	9.28	9.04	0.00
26.30	9.28	9.04	0.00	28.90	9.28	9.04	0.00
26.35	9.28	9.04	0.00	28.95	9.28	9.04	0.00
26.40	9.28	9.04	0.00	29.00	9.28	9.04	0.00
26.45	9.28	9.04	0.00	29.05	9.28	9.04	0.00
26.50	9.28	9.04	0.00	29.10	9.28	9.04	0.00
26.55	9.28	9.04	0.00	29.15	9.28	9.04	0.00
26.60	9.28	9.04	0.00	29.20	9.28	9.04	0.00
26.65	9.28	9.04	0.00	29.25	9.28	9.04	0.00
26.70	9.28	9.04	0.00	29.30	9.28	9.04	0.00
26.75	9.28	9.04	0.00	29.35	9.28	9.04	0.00
26.80	9.28	9.04	0.00	29.40	9.28	9.04	0.00
26.85	9.28	9.04	0.00	29.45	9.28	9.04	0.00
26.90	9.28	9.04	0.00	29.50	9.28	9.04	0.00
26.95	9.28	9.04	0.00	29.55	9.28	9.04	0.00
27.00	9.28	9.04	0.00	29.60	9.28	9.04	0.00
27.05	9.28	9.04	0.00	29.65	9.28	9.04	0.00
27.10	9.28	9.04	0.00	29.70	9.28	9.04	0.00
27.15	9.28	9.04	0.00	29.75	9.28	9.04	0.00
27.20	9.28	9.04	0.00	29.80	9.28	9.04	0.00
27.25	9.28	9.04	0.00	29.85	9.28	9.04	0.00
27.30	9.28	9.04	0.00	29.90	9.28	9.04	0.00
27.35	9.28	9.04	0.00	29.95	9.28	9.04	0.00
27.40	9.28	9.04	0.00	30.00	9.28	9.04	0.00
27.45	9.28	9.04	0.00				
27.50	9.28	9.04	0.00				
27.55	9.28	9.04	0.00				
27.60	9.28	9.04	0.00				
27.65	9.28	9.04	0.00				
27.70	9.28	9.04	0.00				
27.75	9.28	9.04	0.00				
27.80	9.28	9.04	0.00				
27.85	9.28	9.04	0.00				
27.90	9.28	9.04	0.00				
27.95	9.28	9.04	0.00				
28.00	9.28	9.04	0.00				
28.05	9.28	9.04	0.00				
28.10	9.28	9.04	0.00				
28.15	9.28	9.04	0.00				
28.20	9.28	9.04	0.00				
28.25	9.28	9.04	0.00				
28.30	9.28	9.04	0.00				
28.35	9.28	9.04	0.00				

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Summary for Subcatchment Basin 3 Impervious: Basin 3 Impervious

Runoff = 6.51 cfs @ 12.19 hrs, Volume= 0.852 af, Depth> 8.52"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.550	98	Pavement & Sidewalk
* 0.250	98	Driveways
* 0.400	98	Roof
1.200	98	Weighted Average
1.200		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.57	0.20	7.60	1.31	1.09	0.29
5.05	0.78	0.58	0.20	7.65	1.32	1.11	0.29
5.10	0.79	0.59	0.20	7.70	1.34	1.12	0.29
5.15	0.80	0.60	0.20	7.75	1.35	1.13	0.30
5.20	0.81	0.61	0.21	7.80	1.36	1.14	0.30
5.25	0.82	0.61	0.21	7.85	1.37	1.16	0.30
5.30	0.83	0.62	0.21	7.90	1.39	1.17	0.30
5.35	0.84	0.63	0.21	7.95	1.40	1.18	0.30
5.40	0.84	0.64	0.21	8.00	1.41	1.20	0.31
5.45	0.85	0.65	0.21	8.05	1.43	1.21	0.31
5.50	0.86	0.66	0.21	8.10	1.44	1.22	0.31
5.55	0.87	0.67	0.21	8.15	1.46	1.24	0.31
5.60	0.88	0.68	0.21	8.20	1.47	1.25	0.32
5.65	0.89	0.69	0.21	8.25	1.48	1.26	0.32
5.70	0.90	0.69	0.21	8.30	1.50	1.28	0.32
5.75	0.91	0.70	0.21	8.35	1.51	1.29	0.32
5.80	0.92	0.71	0.21	8.40	1.53	1.31	0.33
5.85	0.93	0.72	0.21	8.45	1.54	1.32	0.33
5.90	0.94	0.73	0.22	8.50	1.55	1.33	0.33
5.95	0.95	0.74	0.22	8.55	1.57	1.35	0.33
6.00	0.96	0.75	0.22	8.60	1.58	1.36	0.34
6.05	0.97	0.76	0.22	8.65	1.60	1.38	0.34
6.10	0.98	0.77	0.22	8.70	1.61	1.39	0.34
6.15	0.98	0.78	0.22	8.75	1.63	1.41	0.34
6.20	0.99	0.79	0.22	8.80	1.64	1.42	0.35
6.25	1.00	0.80	0.22	8.85	1.66	1.44	0.35
6.30	1.01	0.81	0.23	8.90	1.67	1.45	0.35
6.35	1.02	0.81	0.23	8.95	1.69	1.47	0.35
6.40	1.03	0.82	0.23	9.00	1.70	1.48	0.36
6.45	1.05	0.83	0.23	9.05	1.72	1.50	0.36
6.50	1.06	0.85	0.23	9.10	1.74	1.51	0.36
6.55	1.07	0.86	0.24	9.15	1.75	1.53	0.37
6.60	1.08	0.87	0.24	9.20	1.77	1.55	0.37
6.65	1.09	0.88	0.24	9.25	1.79	1.56	0.38
6.70	1.10	0.89	0.24	9.30	1.80	1.58	0.38
6.75	1.11	0.90	0.25	9.35	1.82	1.60	0.39
6.80	1.12	0.91	0.25	9.40	1.84	1.61	0.40
6.85	1.13	0.92	0.25	9.45	1.86	1.63	0.41
6.90	1.14	0.93	0.25	9.50	1.88	1.65	0.41
6.95	1.15	0.94	0.26	9.55	1.90	1.67	0.42
7.00	1.17	0.95	0.26	9.60	1.91	1.69	0.43
7.05	1.18	0.96	0.26	9.65	1.93	1.71	0.44
7.10	1.19	0.97	0.26	9.70	1.95	1.73	0.44
7.15	1.20	0.99	0.27	9.75	1.97	1.75	0.45
7.20	1.21	1.00	0.27	9.80	1.99	1.77	0.46
7.25	1.22	1.01	0.27	9.85	2.02	1.79	0.47
7.30	1.24	1.02	0.27	9.90	2.04	1.81	0.47
7.35	1.25	1.03	0.28	9.95	2.06	1.83	0.48
7.40	1.26	1.04	0.28	10.00	2.08	1.85	0.49
7.45	1.27	1.06	0.28	10.05	2.10	1.88	0.50
7.50	1.29	1.07	0.28	10.10	2.13	1.90	0.51
7.55	1.30	1.08	0.29	10.15	2.15	1.92	0.51

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	1.94	0.52	12.80	6.48	6.24	1.65
10.25	2.20	1.97	0.53	12.85	6.52	6.28	1.52
10.30	2.22	1.99	0.54	12.90	6.56	6.33	1.41
10.35	2.24	2.02	0.55	12.95	6.60	6.37	1.32
10.40	2.27	2.04	0.55	13.00	6.64	6.41	1.24
10.45	2.29	2.07	0.56	13.05	6.68	6.44	1.17
10.50	2.32	2.09	0.57	13.10	6.72	6.48	1.10
10.55	2.35	2.12	0.58	13.15	6.75	6.51	1.04
10.60	2.37	2.14	0.59	13.20	6.78	6.55	0.99
10.65	2.40	2.17	0.61	13.25	6.82	6.58	0.95
10.70	2.43	2.20	0.62	13.30	6.85	6.61	0.91
10.75	2.46	2.23	0.65	13.35	6.88	6.64	0.87
10.80	2.50	2.27	0.67	13.40	6.91	6.67	0.84
10.85	2.53	2.30	0.69	13.45	6.93	6.70	0.81
10.90	2.56	2.33	0.71	13.50	6.96	6.72	0.78
10.95	2.60	2.37	0.74	13.55	6.99	6.75	0.75
11.00	2.64	2.41	0.77	13.60	7.01	6.77	0.72
11.05	2.68	2.45	0.79	13.65	7.04	6.80	0.69
11.10	2.72	2.49	0.82	13.70	7.06	6.82	0.67
11.15	2.76	2.53	0.86	13.75	7.08	6.85	0.65
11.20	2.80	2.57	0.89	13.80	7.11	6.87	0.63
11.25	2.85	2.62	0.93	13.85	7.13	6.89	0.62
11.30	2.90	2.67	0.97	13.90	7.15	6.92	0.61
11.35	2.95	2.72	1.01	13.95	7.18	6.94	0.59
11.40	3.00	2.77	1.05	14.00	7.20	6.96	0.58
11.45	3.05	2.82	1.09	14.05	7.22	6.98	0.57
11.50	3.11	2.88	1.14	14.10	7.24	7.00	0.56
11.55	3.18	2.95	1.19	14.15	7.26	7.02	0.55
11.60	3.25	3.02	1.27	14.20	7.29	7.05	0.55
11.65	3.33	3.09	1.37	14.25	7.31	7.07	0.54
11.70	3.40	3.17	1.46	14.30	7.33	7.09	0.53
11.75	3.51	3.27	1.56	14.35	7.35	7.11	0.52
11.80	3.61	3.38	1.71	14.40	7.37	7.13	0.51
11.85	3.76	3.53	1.91	14.45	7.38	7.15	0.50
11.90	3.91	3.68	2.19	14.50	7.40	7.16	0.50
11.95	4.18	3.94	2.57	14.55	7.42	7.18	0.49
12.00	4.45	4.21	3.17	14.60	7.44	7.20	0.48
12.05	4.91	4.67	3.98	14.65	7.46	7.22	0.47
12.10	5.37	5.13	5.13	14.70	7.48	7.24	0.47
12.15	5.52	5.28	6.28	14.75	7.49	7.25	0.46
12.20	5.67	5.43	6.49	14.80	7.51	7.27	0.45
12.25	5.77	5.54	5.95	14.85	7.53	7.29	0.44
12.30	5.88	5.64	5.30	14.90	7.54	7.31	0.43
12.35	5.95	5.72	4.68	14.95	7.56	7.32	0.43
12.40	6.03	5.79	4.11	15.00	7.58	7.34	0.42
12.45	6.10	5.86	3.61	15.05	7.59	7.35	0.41
12.50	6.17	5.93	3.20	15.10	7.61	7.37	0.40
12.55	6.23	5.99	2.86	15.15	7.62	7.38	0.39
12.60	6.28	6.04	2.55	15.20	7.64	7.40	0.39
12.65	6.33	6.09	2.26	15.25	7.65	7.41	0.38
12.70	6.38	6.14	2.02	15.30	7.67	7.43	0.38
12.75	6.43	6.19	1.82	15.35	7.68	7.44	0.37

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	7.46	0.37	18.00	8.32	8.08	0.24
15.45	7.71	7.47	0.37	18.05	8.33	8.09	0.24
15.50	7.73	7.49	0.36	18.10	8.34	8.10	0.24
15.55	7.74	7.50	0.36	18.15	8.35	8.11	0.24
15.60	7.75	7.51	0.36	18.20	8.36	8.12	0.23
15.65	7.77	7.53	0.35	18.25	8.37	8.13	0.23
15.70	7.78	7.54	0.35	18.30	8.38	8.14	0.23
15.75	7.80	7.56	0.35	18.35	8.39	8.15	0.23
15.80	7.81	7.57	0.35	18.40	8.40	8.16	0.23
15.85	7.82	7.58	0.34	18.45	8.41	8.17	0.23
15.90	7.84	7.60	0.34	18.50	8.42	8.18	0.23
15.95	7.85	7.61	0.34	18.55	8.43	8.19	0.23
16.00	7.87	7.63	0.34	18.60	8.44	8.20	0.22
16.05	7.88	7.64	0.33	18.65	8.44	8.20	0.22
16.10	7.89	7.65	0.33	18.70	8.45	8.21	0.22
16.15	7.91	7.67	0.33	18.75	8.46	8.22	0.22
16.20	7.92	7.68	0.33	18.80	8.47	8.23	0.22
16.25	7.93	7.69	0.33	18.85	8.48	8.24	0.22
16.30	7.94	7.70	0.32	18.90	8.49	8.25	0.22
16.35	7.96	7.72	0.32	18.95	8.50	8.26	0.22
16.40	7.97	7.73	0.32	19.00	8.51	8.27	0.22
16.45	7.98	7.74	0.32	19.05	8.52	8.28	0.22
16.50	7.99	7.75	0.31	19.10	8.53	8.29	0.22
16.55	8.01	7.77	0.31	19.15	8.53	8.29	0.22
16.60	8.02	7.78	0.31	19.20	8.54	8.30	0.22
16.65	8.03	7.79	0.31	19.25	8.55	8.31	0.22
16.70	8.04	7.80	0.30	19.30	8.56	8.32	0.22
16.75	8.06	7.82	0.30	19.35	8.57	8.33	0.22
16.80	8.07	7.83	0.30	19.40	8.58	8.34	0.21
16.85	8.08	7.84	0.30	19.45	8.59	8.35	0.21
16.90	8.09	7.85	0.29	19.50	8.60	8.36	0.21
16.95	8.10	7.86	0.29	19.55	8.60	8.36	0.21
17.00	8.11	7.87	0.29	19.60	8.61	8.37	0.21
17.05	8.13	7.89	0.29	19.65	8.62	8.38	0.21
17.10	8.14	7.90	0.28	19.70	8.63	8.39	0.21
17.15	8.15	7.91	0.28	19.75	8.64	8.40	0.21
17.20	8.16	7.92	0.28	19.80	8.65	8.41	0.21
17.25	8.17	7.93	0.28	19.85	8.66	8.42	0.21
17.30	8.18	7.94	0.28	19.90	8.67	8.42	0.21
17.35	8.19	7.95	0.27	19.95	8.67	8.43	0.21
17.40	8.20	7.96	0.27	20.00	8.68	8.44	0.21
17.45	8.21	7.97	0.27	20.05	8.69	8.45	0.21
17.50	8.22	7.98	0.27	20.10	8.70	8.46	0.21
17.55	8.23	7.99	0.26	20.15	8.71	8.47	0.21
17.60	8.25	8.01	0.26	20.20	8.72	8.48	0.21
17.65	8.26	8.02	0.26	20.25	8.72	8.48	0.20
17.70	8.27	8.03	0.26	20.30	8.73	8.49	0.20
17.75	8.28	8.04	0.25	20.35	8.74	8.50	0.20
17.80	8.29	8.05	0.25	20.40	8.75	8.51	0.20
17.85	8.30	8.06	0.25	20.45	8.76	8.52	0.20
17.90	8.30	8.06	0.25	20.50	8.77	8.53	0.20
17.95	8.31	8.07	0.24	20.55	8.77	8.53	0.20

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	8.54	0.20	23.20	9.17	8.93	0.17
20.65	8.79	8.55	0.20	23.25	9.18	8.94	0.17
20.70	8.80	8.56	0.20	23.30	9.19	8.95	0.17
20.75	8.81	8.57	0.20	23.35	9.19	8.95	0.17
20.80	8.81	8.57	0.20	23.40	9.20	8.96	0.17
20.85	8.82	8.58	0.20	23.45	9.21	8.97	0.17
20.90	8.83	8.59	0.20	23.50	9.21	8.97	0.17
20.95	8.84	8.60	0.20	23.55	9.22	8.98	0.17
21.00	8.85	8.61	0.20	23.60	9.23	8.99	0.16
21.05	8.85	8.61	0.19	23.65	9.23	8.99	0.16
21.10	8.86	8.62	0.19	23.70	9.24	9.00	0.16
21.15	8.87	8.63	0.19	23.75	9.25	9.01	0.16
21.20	8.88	8.64	0.19	23.80	9.25	9.01	0.16
21.25	8.89	8.65	0.19	23.85	9.26	9.02	0.16
21.30	8.89	8.65	0.19	23.90	9.27	9.03	0.16
21.35	8.90	8.66	0.19	23.95	9.27	9.03	0.16
21.40	8.91	8.67	0.19	24.00	9.28	9.04	0.16
21.45	8.92	8.68	0.19	24.05	9.28	9.04	0.16
21.50	8.92	8.68	0.19	24.10	9.28	9.04	0.14
21.55	8.93	8.69	0.19	24.15	9.28	9.04	0.11
21.60	8.94	8.70	0.19	24.20	9.28	9.04	0.08
21.65	8.95	8.71	0.19	24.25	9.28	9.04	0.06
21.70	8.96	8.71	0.19	24.30	9.28	9.04	0.05
21.75	8.96	8.72	0.19	24.35	9.28	9.04	0.04
21.80	8.97	8.73	0.19	24.40	9.28	9.04	0.03
21.85	8.98	8.74	0.19	24.45	9.28	9.04	0.02
21.90	8.99	8.75	0.18	24.50	9.28	9.04	0.02
21.95	8.99	8.75	0.18	24.55	9.28	9.04	0.01
22.00	9.00	8.76	0.18	24.60	9.28	9.04	0.01
22.05	9.01	8.77	0.18	24.65	9.28	9.04	0.01
22.10	9.02	8.77	0.18	24.70	9.28	9.04	0.00
22.15	9.02	8.78	0.18	24.75	9.28	9.04	0.00
22.20	9.03	8.79	0.18	24.80	9.28	9.04	0.00
22.25	9.04	8.80	0.18	24.85	9.28	9.04	0.00
22.30	9.04	8.80	0.18	24.90	9.28	9.04	0.00
22.35	9.05	8.81	0.18	24.95	9.28	9.04	0.00
22.40	9.06	8.82	0.18	25.00	9.28	9.04	0.00
22.45	9.07	8.83	0.18	25.05	9.28	9.04	0.00
22.50	9.07	8.83	0.18	25.10	9.28	9.04	0.00
22.55	9.08	8.84	0.18	25.15	9.28	9.04	0.00
22.60	9.09	8.85	0.18	25.20	9.28	9.04	0.00
22.65	9.10	8.86	0.18	25.25	9.28	9.04	0.00
22.70	9.10	8.86	0.18	25.30	9.28	9.04	0.00
22.75	9.11	8.87	0.17	25.35	9.28	9.04	0.00
22.80	9.12	8.88	0.17	25.40	9.28	9.04	0.00
22.85	9.12	8.88	0.17	25.45	9.28	9.04	0.00
22.90	9.13	8.89	0.17	25.50	9.28	9.04	0.00
22.95	9.14	8.90	0.17	25.55	9.28	9.04	0.00
23.00	9.14	8.90	0.17	25.60	9.28	9.04	0.00
23.05	9.15	8.91	0.17	25.65	9.28	9.04	0.00
23.10	9.16	8.92	0.17	25.70	9.28	9.04	0.00
23.15	9.17	8.93	0.17	25.75	9.28	9.04	0.00

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	9.04	0.00	28.40	9.28	9.04	0.00
25.85	9.28	9.04	0.00	28.45	9.28	9.04	0.00
25.90	9.28	9.04	0.00	28.50	9.28	9.04	0.00
25.95	9.28	9.04	0.00	28.55	9.28	9.04	0.00
26.00	9.28	9.04	0.00	28.60	9.28	9.04	0.00
26.05	9.28	9.04	0.00	28.65	9.28	9.04	0.00
26.10	9.28	9.04	0.00	28.70	9.28	9.04	0.00
26.15	9.28	9.04	0.00	28.75	9.28	9.04	0.00
26.20	9.28	9.04	0.00	28.80	9.28	9.04	0.00
26.25	9.28	9.04	0.00	28.85	9.28	9.04	0.00
26.30	9.28	9.04	0.00	28.90	9.28	9.04	0.00
26.35	9.28	9.04	0.00	28.95	9.28	9.04	0.00
26.40	9.28	9.04	0.00	29.00	9.28	9.04	0.00
26.45	9.28	9.04	0.00	29.05	9.28	9.04	0.00
26.50	9.28	9.04	0.00	29.10	9.28	9.04	0.00
26.55	9.28	9.04	0.00	29.15	9.28	9.04	0.00
26.60	9.28	9.04	0.00	29.20	9.28	9.04	0.00
26.65	9.28	9.04	0.00	29.25	9.28	9.04	0.00
26.70	9.28	9.04	0.00	29.30	9.28	9.04	0.00
26.75	9.28	9.04	0.00	29.35	9.28	9.04	0.00
26.80	9.28	9.04	0.00	29.40	9.28	9.04	0.00
26.85	9.28	9.04	0.00	29.45	9.28	9.04	0.00
26.90	9.28	9.04	0.00	29.50	9.28	9.04	0.00
26.95	9.28	9.04	0.00	29.55	9.28	9.04	0.00
27.00	9.28	9.04	0.00	29.60	9.28	9.04	0.00
27.05	9.28	9.04	0.00	29.65	9.28	9.04	0.00
27.10	9.28	9.04	0.00	29.70	9.28	9.04	0.00
27.15	9.28	9.04	0.00	29.75	9.28	9.04	0.00
27.20	9.28	9.04	0.00	29.80	9.28	9.04	0.00
27.25	9.28	9.04	0.00	29.85	9.28	9.04	0.00
27.30	9.28	9.04	0.00	29.90	9.28	9.04	0.00
27.35	9.28	9.04	0.00	29.95	9.28	9.04	0.00
27.40	9.28	9.04	0.00	30.00	9.28	9.04	0.00
27.45	9.28	9.04	0.00				
27.50	9.28	9.04	0.00				
27.55	9.28	9.04	0.00				
27.60	9.28	9.04	0.00				
27.65	9.28	9.04	0.00				
27.70	9.28	9.04	0.00				
27.75	9.28	9.04	0.00				
27.80	9.28	9.04	0.00				
27.85	9.28	9.04	0.00				
27.90	9.28	9.04	0.00				
27.95	9.28	9.04	0.00				
28.00	9.28	9.04	0.00				
28.05	9.28	9.04	0.00				
28.10	9.28	9.04	0.00				
28.15	9.28	9.04	0.00				
28.20	9.28	9.04	0.00				
28.25	9.28	9.04	0.00				
28.30	9.28	9.04	0.00				
28.35	9.28	9.04	0.00				

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Summary for Subcatchment Basin 3 Pervious: Basin 3 - Pervious

Runoff = 1.67 cfs @ 12.52 hrs, Volume= 0.478 af, Depth= 1.74"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 3.300	39	lawn, A soils
3.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.00	0.00	7.60	1.31	0.00	0.00
5.05	0.78	0.00	0.00	7.65	1.32	0.00	0.00
5.10	0.79	0.00	0.00	7.70	1.34	0.00	0.00
5.15	0.80	0.00	0.00	7.75	1.35	0.00	0.00
5.20	0.81	0.00	0.00	7.80	1.36	0.00	0.00
5.25	0.82	0.00	0.00	7.85	1.37	0.00	0.00
5.30	0.83	0.00	0.00	7.90	1.39	0.00	0.00
5.35	0.84	0.00	0.00	7.95	1.40	0.00	0.00
5.40	0.84	0.00	0.00	8.00	1.41	0.00	0.00
5.45	0.85	0.00	0.00	8.05	1.43	0.00	0.00
5.50	0.86	0.00	0.00	8.10	1.44	0.00	0.00
5.55	0.87	0.00	0.00	8.15	1.46	0.00	0.00
5.60	0.88	0.00	0.00	8.20	1.47	0.00	0.00
5.65	0.89	0.00	0.00	8.25	1.48	0.00	0.00
5.70	0.90	0.00	0.00	8.30	1.50	0.00	0.00
5.75	0.91	0.00	0.00	8.35	1.51	0.00	0.00
5.80	0.92	0.00	0.00	8.40	1.53	0.00	0.00
5.85	0.93	0.00	0.00	8.45	1.54	0.00	0.00
5.90	0.94	0.00	0.00	8.50	1.55	0.00	0.00
5.95	0.95	0.00	0.00	8.55	1.57	0.00	0.00
6.00	0.96	0.00	0.00	8.60	1.58	0.00	0.00
6.05	0.97	0.00	0.00	8.65	1.60	0.00	0.00
6.10	0.98	0.00	0.00	8.70	1.61	0.00	0.00
6.15	0.98	0.00	0.00	8.75	1.63	0.00	0.00
6.20	0.99	0.00	0.00	8.80	1.64	0.00	0.00
6.25	1.00	0.00	0.00	8.85	1.66	0.00	0.00
6.30	1.01	0.00	0.00	8.90	1.67	0.00	0.00
6.35	1.02	0.00	0.00	8.95	1.69	0.00	0.00
6.40	1.03	0.00	0.00	9.00	1.70	0.00	0.00
6.45	1.05	0.00	0.00	9.05	1.72	0.00	0.00
6.50	1.06	0.00	0.00	9.10	1.74	0.00	0.00
6.55	1.07	0.00	0.00	9.15	1.75	0.00	0.00
6.60	1.08	0.00	0.00	9.20	1.77	0.00	0.00
6.65	1.09	0.00	0.00	9.25	1.79	0.00	0.00
6.70	1.10	0.00	0.00	9.30	1.80	0.00	0.00
6.75	1.11	0.00	0.00	9.35	1.82	0.00	0.00
6.80	1.12	0.00	0.00	9.40	1.84	0.00	0.00
6.85	1.13	0.00	0.00	9.45	1.86	0.00	0.00
6.90	1.14	0.00	0.00	9.50	1.88	0.00	0.00
6.95	1.15	0.00	0.00	9.55	1.90	0.00	0.00
7.00	1.17	0.00	0.00	9.60	1.91	0.00	0.00
7.05	1.18	0.00	0.00	9.65	1.93	0.00	0.00
7.10	1.19	0.00	0.00	9.70	1.95	0.00	0.00
7.15	1.20	0.00	0.00	9.75	1.97	0.00	0.00
7.20	1.21	0.00	0.00	9.80	1.99	0.00	0.00
7.25	1.22	0.00	0.00	9.85	2.02	0.00	0.00
7.30	1.24	0.00	0.00	9.90	2.04	0.00	0.00
7.35	1.25	0.00	0.00	9.95	2.06	0.00	0.00
7.40	1.26	0.00	0.00	10.00	2.08	0.00	0.00
7.45	1.27	0.00	0.00	10.05	2.10	0.00	0.00
7.50	1.29	0.00	0.00	10.10	2.13	0.00	0.00
7.55	1.30	0.00	0.00	10.15	2.15	0.00	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	0.00	0.00	12.80	6.48	0.59	1.53
10.25	2.20	0.00	0.00	12.85	6.52	0.60	1.49
10.30	2.22	0.00	0.00	12.90	6.56	0.62	1.45
10.35	2.24	0.00	0.00	12.95	6.60	0.63	1.41
10.40	2.27	0.00	0.00	13.00	6.64	0.65	1.38
10.45	2.29	0.00	0.00	13.05	6.68	0.66	1.34
10.50	2.32	0.00	0.00	13.10	6.72	0.67	1.30
10.55	2.35	0.00	0.00	13.15	6.75	0.68	1.27
10.60	2.37	0.00	0.00	13.20	6.78	0.69	1.24
10.65	2.40	0.00	0.00	13.25	6.82	0.70	1.20
10.70	2.43	0.00	0.00	13.30	6.85	0.71	1.17
10.75	2.46	0.00	0.00	13.35	6.88	0.73	1.14
10.80	2.50	0.00	0.00	13.40	6.91	0.74	1.10
10.85	2.53	0.00	0.00	13.45	6.93	0.75	1.07
10.90	2.56	0.00	0.00	13.50	6.96	0.75	1.04
10.95	2.60	0.00	0.00	13.55	6.99	0.76	1.01
11.00	2.64	0.00	0.00	13.60	7.01	0.77	0.98
11.05	2.68	0.00	0.00	13.65	7.04	0.78	0.96
11.10	2.72	0.00	0.00	13.70	7.06	0.79	0.93
11.15	2.76	0.00	0.00	13.75	7.08	0.80	0.90
11.20	2.80	0.00	0.00	13.80	7.11	0.81	0.87
11.25	2.85	0.00	0.00	13.85	7.13	0.82	0.84
11.30	2.90	0.00	0.00	13.90	7.15	0.82	0.82
11.35	2.95	0.00	0.00	13.95	7.18	0.83	0.80
11.40	3.00	0.00	0.00	14.00	7.20	0.84	0.77
11.45	3.05	0.00	0.00	14.05	7.22	0.85	0.75
11.50	3.11	0.00	0.00	14.10	7.24	0.86	0.73
11.55	3.18	0.00	0.00	14.15	7.26	0.86	0.71
11.60	3.25	0.00	0.00	14.20	7.29	0.87	0.70
11.65	3.33	0.00	0.00	14.25	7.31	0.88	0.68
11.70	3.40	0.00	0.00	14.30	7.33	0.89	0.67
11.75	3.51	0.01	0.01	14.35	7.35	0.90	0.65
11.80	3.61	0.01	0.01	14.40	7.37	0.90	0.64
11.85	3.76	0.02	0.02	14.45	7.38	0.91	0.63
11.90	3.91	0.04	0.04	14.50	7.40	0.92	0.62
11.95	4.18	0.07	0.07	14.55	7.42	0.93	0.61
12.00	4.45	0.10	0.11	14.60	7.44	0.93	0.60
12.05	4.91	0.18	0.18	14.65	7.46	0.94	0.59
12.10	5.37	0.28	0.30	14.70	7.48	0.95	0.58
12.15	5.52	0.32	0.48	14.75	7.49	0.95	0.57
12.20	5.67	0.35	0.71	14.80	7.51	0.96	0.56
12.25	5.77	0.38	0.98	14.85	7.53	0.97	0.55
12.30	5.88	0.41	1.24	14.90	7.54	0.97	0.54
12.35	5.95	0.43	1.44	14.95	7.56	0.98	0.53
12.40	6.03	0.45	1.58	15.00	7.58	0.99	0.52
12.45	6.10	0.47	1.65	15.05	7.59	0.99	0.51
12.50	6.17	0.50	1.67	15.10	7.61	1.00	0.50
12.55	6.23	0.51	1.67	15.15	7.62	1.00	0.49
12.60	6.28	0.53	1.65	15.20	7.64	1.01	0.49
12.65	6.33	0.54	1.63	15.25	7.65	1.02	0.48
12.70	6.38	0.56	1.60	15.30	7.67	1.02	0.47
12.75	6.43	0.58	1.57	15.35	7.68	1.03	0.46

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	1.03	0.46	18.00	8.32	1.30	0.31
15.45	7.71	1.04	0.45	18.05	8.33	1.30	0.31
15.50	7.73	1.04	0.45	18.10	8.34	1.30	0.31
15.55	7.74	1.05	0.44	18.15	8.35	1.31	0.30
15.60	7.75	1.06	0.44	18.20	8.36	1.31	0.30
15.65	7.77	1.06	0.43	18.25	8.37	1.32	0.30
15.70	7.78	1.07	0.43	18.30	8.38	1.32	0.30
15.75	7.80	1.07	0.42	18.35	8.39	1.32	0.29
15.80	7.81	1.08	0.42	18.40	8.40	1.33	0.29
15.85	7.82	1.08	0.41	18.45	8.41	1.33	0.29
15.90	7.84	1.09	0.41	18.50	8.42	1.34	0.29
15.95	7.85	1.10	0.41	18.55	8.43	1.34	0.29
16.00	7.87	1.10	0.40	18.60	8.44	1.34	0.29
16.05	7.88	1.11	0.40	18.65	8.44	1.35	0.28
16.10	7.89	1.11	0.40	18.70	8.45	1.35	0.28
16.15	7.91	1.12	0.40	18.75	8.46	1.36	0.28
16.20	7.92	1.12	0.39	18.80	8.47	1.36	0.28
16.25	7.93	1.13	0.39	18.85	8.48	1.36	0.28
16.30	7.94	1.13	0.39	18.90	8.49	1.37	0.28
16.35	7.96	1.14	0.39	18.95	8.50	1.37	0.28
16.40	7.97	1.14	0.38	19.00	8.51	1.38	0.28
16.45	7.98	1.15	0.38	19.05	8.52	1.38	0.28
16.50	7.99	1.15	0.38	19.10	8.53	1.38	0.27
16.55	8.01	1.16	0.38	19.15	8.53	1.39	0.27
16.60	8.02	1.17	0.37	19.20	8.54	1.39	0.27
16.65	8.03	1.17	0.37	19.25	8.55	1.40	0.27
16.70	8.04	1.18	0.37	19.30	8.56	1.40	0.27
16.75	8.06	1.18	0.37	19.35	8.57	1.40	0.27
16.80	8.07	1.19	0.36	19.40	8.58	1.41	0.27
16.85	8.08	1.19	0.36	19.45	8.59	1.41	0.27
16.90	8.09	1.20	0.36	19.50	8.60	1.42	0.27
16.95	8.10	1.20	0.36	19.55	8.60	1.42	0.27
17.00	8.11	1.21	0.36	19.60	8.61	1.42	0.27
17.05	8.13	1.21	0.35	19.65	8.62	1.43	0.27
17.10	8.14	1.21	0.35	19.70	8.63	1.43	0.27
17.15	8.15	1.22	0.35	19.75	8.64	1.44	0.27
17.20	8.16	1.22	0.35	19.80	8.65	1.44	0.27
17.25	8.17	1.23	0.34	19.85	8.66	1.44	0.26
17.30	8.18	1.23	0.34	19.90	8.67	1.45	0.26
17.35	8.19	1.24	0.34	19.95	8.67	1.45	0.26
17.40	8.20	1.24	0.34	20.00	8.68	1.46	0.26
17.45	8.21	1.25	0.34	20.05	8.69	1.46	0.26
17.50	8.22	1.25	0.33	20.10	8.70	1.46	0.26
17.55	8.23	1.26	0.33	20.15	8.71	1.47	0.26
17.60	8.25	1.26	0.33	20.20	8.72	1.47	0.26
17.65	8.26	1.27	0.33	20.25	8.72	1.47	0.26
17.70	8.27	1.27	0.32	20.30	8.73	1.48	0.26
17.75	8.28	1.27	0.32	20.35	8.74	1.48	0.26
17.80	8.29	1.28	0.32	20.40	8.75	1.49	0.26
17.85	8.30	1.28	0.32	20.45	8.76	1.49	0.26
17.90	8.30	1.29	0.31	20.50	8.77	1.49	0.26
17.95	8.31	1.29	0.31	20.55	8.77	1.50	0.26

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	1.50	0.26	23.20	9.17	1.68	0.23
20.65	8.79	1.50	0.26	23.25	9.18	1.69	0.23
20.70	8.80	1.51	0.26	23.30	9.19	1.69	0.23
20.75	8.81	1.51	0.26	23.35	9.19	1.69	0.23
20.80	8.81	1.52	0.26	23.40	9.20	1.70	0.23
20.85	8.82	1.52	0.25	23.45	9.21	1.70	0.23
20.90	8.83	1.52	0.25	23.50	9.21	1.70	0.22
20.95	8.84	1.53	0.25	23.55	9.22	1.71	0.22
21.00	8.85	1.53	0.25	23.60	9.23	1.71	0.22
21.05	8.85	1.53	0.25	23.65	9.23	1.71	0.22
21.10	8.86	1.54	0.25	23.70	9.24	1.72	0.22
21.15	8.87	1.54	0.25	23.75	9.25	1.72	0.22
21.20	8.88	1.55	0.25	23.80	9.25	1.72	0.22
21.25	8.89	1.55	0.25	23.85	9.26	1.73	0.22
21.30	8.89	1.55	0.25	23.90	9.27	1.73	0.22
21.35	8.90	1.56	0.25	23.95	9.27	1.73	0.22
21.40	8.91	1.56	0.25	24.00	9.28	1.74	0.22
21.45	8.92	1.56	0.25	24.05	9.28	1.74	0.22
21.50	8.92	1.57	0.25	24.10	9.28	1.74	0.22
21.55	8.93	1.57	0.25	24.15	9.28	1.74	0.21
21.60	8.94	1.57	0.25	24.20	9.28	1.74	0.20
21.65	8.95	1.58	0.25	24.25	9.28	1.74	0.19
21.70	8.96	1.58	0.25	24.30	9.28	1.74	0.18
21.75	8.96	1.59	0.25	24.35	9.28	1.74	0.16
21.80	8.97	1.59	0.24	24.40	9.28	1.74	0.15
21.85	8.98	1.59	0.24	24.45	9.28	1.74	0.14
21.90	8.99	1.60	0.24	24.50	9.28	1.74	0.12
21.95	8.99	1.60	0.24	24.55	9.28	1.74	0.11
22.00	9.00	1.60	0.24	24.60	9.28	1.74	0.10
22.05	9.01	1.61	0.24	24.65	9.28	1.74	0.09
22.10	9.02	1.61	0.24	24.70	9.28	1.74	0.08
22.15	9.02	1.61	0.24	24.75	9.28	1.74	0.08
22.20	9.03	1.62	0.24	24.80	9.28	1.74	0.07
22.25	9.04	1.62	0.24	24.85	9.28	1.74	0.06
22.30	9.04	1.62	0.24	24.90	9.28	1.74	0.06
22.35	9.05	1.63	0.24	24.95	9.28	1.74	0.05
22.40	9.06	1.63	0.24	25.00	9.28	1.74	0.05
22.45	9.07	1.63	0.24	25.05	9.28	1.74	0.04
22.50	9.07	1.64	0.24	25.10	9.28	1.74	0.04
22.55	9.08	1.64	0.24	25.15	9.28	1.74	0.03
22.60	9.09	1.64	0.24	25.20	9.28	1.74	0.03
22.65	9.10	1.65	0.23	25.25	9.28	1.74	0.03
22.70	9.10	1.65	0.23	25.30	9.28	1.74	0.02
22.75	9.11	1.65	0.23	25.35	9.28	1.74	0.02
22.80	9.12	1.66	0.23	25.40	9.28	1.74	0.02
22.85	9.12	1.66	0.23	25.45	9.28	1.74	0.02
22.90	9.13	1.66	0.23	25.50	9.28	1.74	0.02
22.95	9.14	1.67	0.23	25.55	9.28	1.74	0.01
23.00	9.14	1.67	0.23	25.60	9.28	1.74	0.01
23.05	9.15	1.67	0.23	25.65	9.28	1.74	0.01
23.10	9.16	1.68	0.23	25.70	9.28	1.74	0.01
23.15	9.17	1.68	0.23	25.75	9.28	1.74	0.01

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	1.74	0.01	28.40	9.28	1.74	0.00
25.85	9.28	1.74	0.01	28.45	9.28	1.74	0.00
25.90	9.28	1.74	0.01	28.50	9.28	1.74	0.00
25.95	9.28	1.74	0.00	28.55	9.28	1.74	0.00
26.00	9.28	1.74	0.00	28.60	9.28	1.74	0.00
26.05	9.28	1.74	0.00	28.65	9.28	1.74	0.00
26.10	9.28	1.74	0.00	28.70	9.28	1.74	0.00
26.15	9.28	1.74	0.00	28.75	9.28	1.74	0.00
26.20	9.28	1.74	0.00	28.80	9.28	1.74	0.00
26.25	9.28	1.74	0.00	28.85	9.28	1.74	0.00
26.30	9.28	1.74	0.00	28.90	9.28	1.74	0.00
26.35	9.28	1.74	0.00	28.95	9.28	1.74	0.00
26.40	9.28	1.74	0.00	29.00	9.28	1.74	0.00
26.45	9.28	1.74	0.00	29.05	9.28	1.74	0.00
26.50	9.28	1.74	0.00	29.10	9.28	1.74	0.00
26.55	9.28	1.74	0.00	29.15	9.28	1.74	0.00
26.60	9.28	1.74	0.00	29.20	9.28	1.74	0.00
26.65	9.28	1.74	0.00	29.25	9.28	1.74	0.00
26.70	9.28	1.74	0.00	29.30	9.28	1.74	0.00
26.75	9.28	1.74	0.00	29.35	9.28	1.74	0.00
26.80	9.28	1.74	0.00	29.40	9.28	1.74	0.00
26.85	9.28	1.74	0.00	29.45	9.28	1.74	0.00
26.90	9.28	1.74	0.00	29.50	9.28	1.74	0.00
26.95	9.28	1.74	0.00	29.55	9.28	1.74	0.00
27.00	9.28	1.74	0.00	29.60	9.28	1.74	0.00
27.05	9.28	1.74	0.00	29.65	9.28	1.74	0.00
27.10	9.28	1.74	0.00	29.70	9.28	1.74	0.00
27.15	9.28	1.74	0.00	29.75	9.28	1.74	0.00
27.20	9.28	1.74	0.00	29.80	9.28	1.74	0.00
27.25	9.28	1.74	0.00	29.85	9.28	1.74	0.00
27.30	9.28	1.74	0.00	29.90	9.28	1.74	0.00
27.35	9.28	1.74	0.00	29.95	9.28	1.74	0.00
27.40	9.28	1.74	0.00	30.00	9.28	1.74	0.00
27.45	9.28	1.74	0.00				
27.50	9.28	1.74	0.00				
27.55	9.28	1.74	0.00				
27.60	9.28	1.74	0.00				
27.65	9.28	1.74	0.00				
27.70	9.28	1.74	0.00				
27.75	9.28	1.74	0.00				
27.80	9.28	1.74	0.00				
27.85	9.28	1.74	0.00				
27.90	9.28	1.74	0.00				
27.95	9.28	1.74	0.00				
28.00	9.28	1.74	0.00				
28.05	9.28	1.74	0.00				
28.10	9.28	1.74	0.00				
28.15	9.28	1.74	0.00				
28.20	9.28	1.74	0.00				
28.25	9.28	1.74	0.00				
28.30	9.28	1.74	0.00				
28.35	9.28	1.74	0.00				

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Summary for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious

Runoff = 2.06 cfs @ 12.35 hrs, Volume= 0.449 af, Depth= 1.74"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 3.000	39	Lawn. A Soils
* 0.100	30	Woods A soils
3.100	39	Weighted Average
3.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	640	0.0100	1.61		Shallow Concentrated Flow, shallow concentrated Unpaved Kv= 16.1 fps
10.7	800	0.0060	1.25		Shallow Concentrated Flow, shallow concentrated Unpaved Kv= 16.1 fps
17.3	1,440	Total			

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.00	0.00	7.60	1.31	0.00	0.00
5.05	0.78	0.00	0.00	7.65	1.32	0.00	0.00
5.10	0.79	0.00	0.00	7.70	1.34	0.00	0.00
5.15	0.80	0.00	0.00	7.75	1.35	0.00	0.00
5.20	0.81	0.00	0.00	7.80	1.36	0.00	0.00
5.25	0.82	0.00	0.00	7.85	1.37	0.00	0.00
5.30	0.83	0.00	0.00	7.90	1.39	0.00	0.00
5.35	0.84	0.00	0.00	7.95	1.40	0.00	0.00
5.40	0.84	0.00	0.00	8.00	1.41	0.00	0.00
5.45	0.85	0.00	0.00	8.05	1.43	0.00	0.00
5.50	0.86	0.00	0.00	8.10	1.44	0.00	0.00
5.55	0.87	0.00	0.00	8.15	1.46	0.00	0.00
5.60	0.88	0.00	0.00	8.20	1.47	0.00	0.00
5.65	0.89	0.00	0.00	8.25	1.48	0.00	0.00
5.70	0.90	0.00	0.00	8.30	1.50	0.00	0.00
5.75	0.91	0.00	0.00	8.35	1.51	0.00	0.00
5.80	0.92	0.00	0.00	8.40	1.53	0.00	0.00
5.85	0.93	0.00	0.00	8.45	1.54	0.00	0.00
5.90	0.94	0.00	0.00	8.50	1.55	0.00	0.00
5.95	0.95	0.00	0.00	8.55	1.57	0.00	0.00
6.00	0.96	0.00	0.00	8.60	1.58	0.00	0.00
6.05	0.97	0.00	0.00	8.65	1.60	0.00	0.00
6.10	0.98	0.00	0.00	8.70	1.61	0.00	0.00
6.15	0.98	0.00	0.00	8.75	1.63	0.00	0.00
6.20	0.99	0.00	0.00	8.80	1.64	0.00	0.00
6.25	1.00	0.00	0.00	8.85	1.66	0.00	0.00
6.30	1.01	0.00	0.00	8.90	1.67	0.00	0.00
6.35	1.02	0.00	0.00	8.95	1.69	0.00	0.00
6.40	1.03	0.00	0.00	9.00	1.70	0.00	0.00
6.45	1.05	0.00	0.00	9.05	1.72	0.00	0.00
6.50	1.06	0.00	0.00	9.10	1.74	0.00	0.00
6.55	1.07	0.00	0.00	9.15	1.75	0.00	0.00
6.60	1.08	0.00	0.00	9.20	1.77	0.00	0.00
6.65	1.09	0.00	0.00	9.25	1.79	0.00	0.00
6.70	1.10	0.00	0.00	9.30	1.80	0.00	0.00
6.75	1.11	0.00	0.00	9.35	1.82	0.00	0.00
6.80	1.12	0.00	0.00	9.40	1.84	0.00	0.00
6.85	1.13	0.00	0.00	9.45	1.86	0.00	0.00
6.90	1.14	0.00	0.00	9.50	1.88	0.00	0.00
6.95	1.15	0.00	0.00	9.55	1.90	0.00	0.00
7.00	1.17	0.00	0.00	9.60	1.91	0.00	0.00
7.05	1.18	0.00	0.00	9.65	1.93	0.00	0.00
7.10	1.19	0.00	0.00	9.70	1.95	0.00	0.00
7.15	1.20	0.00	0.00	9.75	1.97	0.00	0.00
7.20	1.21	0.00	0.00	9.80	1.99	0.00	0.00
7.25	1.22	0.00	0.00	9.85	2.02	0.00	0.00
7.30	1.24	0.00	0.00	9.90	2.04	0.00	0.00
7.35	1.25	0.00	0.00	9.95	2.06	0.00	0.00
7.40	1.26	0.00	0.00	10.00	2.08	0.00	0.00
7.45	1.27	0.00	0.00	10.05	2.10	0.00	0.00
7.50	1.29	0.00	0.00	10.10	2.13	0.00	0.00
7.55	1.30	0.00	0.00	10.15	2.15	0.00	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	0.00	0.00	12.80	6.48	0.59	1.45
10.25	2.20	0.00	0.00	12.85	6.52	0.60	1.38
10.30	2.22	0.00	0.00	12.90	6.56	0.62	1.33
10.35	2.24	0.00	0.00	12.95	6.60	0.63	1.27
10.40	2.27	0.00	0.00	13.00	6.64	0.65	1.22
10.45	2.29	0.00	0.00	13.05	6.68	0.66	1.17
10.50	2.32	0.00	0.00	13.10	6.72	0.67	1.12
10.55	2.35	0.00	0.00	13.15	6.75	0.68	1.08
10.60	2.37	0.00	0.00	13.20	6.78	0.69	1.03
10.65	2.40	0.00	0.00	13.25	6.82	0.70	0.99
10.70	2.43	0.00	0.00	13.30	6.85	0.71	0.95
10.75	2.46	0.00	0.00	13.35	6.88	0.73	0.91
10.80	2.50	0.00	0.00	13.40	6.91	0.74	0.88
10.85	2.53	0.00	0.00	13.45	6.93	0.75	0.84
10.90	2.56	0.00	0.00	13.50	6.96	0.75	0.81
10.95	2.60	0.00	0.00	13.55	6.99	0.76	0.79
11.00	2.64	0.00	0.00	13.60	7.01	0.77	0.76
11.05	2.68	0.00	0.00	13.65	7.04	0.78	0.73
11.10	2.72	0.00	0.00	13.70	7.06	0.79	0.71
11.15	2.76	0.00	0.00	13.75	7.08	0.80	0.69
11.20	2.80	0.00	0.00	13.80	7.11	0.81	0.67
11.25	2.85	0.00	0.00	13.85	7.13	0.82	0.65
11.30	2.90	0.00	0.00	13.90	7.15	0.82	0.63
11.35	2.95	0.00	0.00	13.95	7.18	0.83	0.61
11.40	3.00	0.00	0.00	14.00	7.20	0.84	0.60
11.45	3.05	0.00	0.00	14.05	7.22	0.85	0.59
11.50	3.11	0.00	0.00	14.10	7.24	0.86	0.58
11.55	3.18	0.00	0.00	14.15	7.26	0.86	0.57
11.60	3.25	0.00	0.00	14.20	7.29	0.87	0.56
11.65	3.33	0.00	0.00	14.25	7.31	0.88	0.55
11.70	3.40	0.00	0.01	14.30	7.33	0.89	0.54
11.75	3.51	0.01	0.02	14.35	7.35	0.90	0.53
11.80	3.61	0.01	0.03	14.40	7.37	0.90	0.52
11.85	3.76	0.02	0.06	14.45	7.38	0.91	0.52
11.90	3.91	0.04	0.10	14.50	7.40	0.92	0.51
11.95	4.18	0.07	0.16	14.55	7.42	0.93	0.50
12.00	4.45	0.10	0.26	14.60	7.44	0.93	0.50
12.05	4.91	0.18	0.42	14.65	7.46	0.94	0.49
12.10	5.37	0.28	0.69	14.70	7.48	0.95	0.48
12.15	5.52	0.32	1.10	14.75	7.49	0.95	0.48
12.20	5.67	0.35	1.54	14.80	7.51	0.96	0.47
12.25	5.77	0.38	1.88	14.85	7.53	0.97	0.46
12.30	5.88	0.41	2.04	14.90	7.54	0.97	0.46
12.35	5.95	0.43	2.06	14.95	7.56	0.98	0.45
12.40	6.03	0.45	2.02	15.00	7.58	0.99	0.44
12.45	6.10	0.47	1.96	15.05	7.59	0.99	0.44
12.50	6.17	0.50	1.89	15.10	7.61	1.00	0.43
12.55	6.23	0.51	1.81	15.15	7.62	1.00	0.42
12.60	6.28	0.53	1.74	15.20	7.64	1.01	0.42
12.65	6.33	0.54	1.67	15.25	7.65	1.02	0.41
12.70	6.38	0.56	1.59	15.30	7.67	1.02	0.41
12.75	6.43	0.58	1.51	15.35	7.68	1.03	0.40

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	1.03	0.40	18.00	8.32	1.30	0.28
15.45	7.71	1.04	0.39	18.05	8.33	1.30	0.28
15.50	7.73	1.04	0.39	18.10	8.34	1.30	0.28
15.55	7.74	1.05	0.39	18.15	8.35	1.31	0.27
15.60	7.75	1.06	0.38	18.20	8.36	1.31	0.27
15.65	7.77	1.06	0.38	18.25	8.37	1.32	0.27
15.70	7.78	1.07	0.38	18.30	8.38	1.32	0.27
15.75	7.80	1.07	0.37	18.35	8.39	1.32	0.27
15.80	7.81	1.08	0.37	18.40	8.40	1.33	0.26
15.85	7.82	1.08	0.37	18.45	8.41	1.33	0.26
15.90	7.84	1.09	0.37	18.50	8.42	1.34	0.26
15.95	7.85	1.10	0.36	18.55	8.43	1.34	0.26
16.00	7.87	1.10	0.36	18.60	8.44	1.34	0.26
16.05	7.88	1.11	0.36	18.65	8.44	1.35	0.26
16.10	7.89	1.11	0.36	18.70	8.45	1.35	0.26
16.15	7.91	1.12	0.36	18.75	8.46	1.36	0.26
16.20	7.92	1.12	0.35	18.80	8.47	1.36	0.26
16.25	7.93	1.13	0.35	18.85	8.48	1.36	0.26
16.30	7.94	1.13	0.35	18.90	8.49	1.37	0.26
16.35	7.96	1.14	0.35	18.95	8.50	1.37	0.25
16.40	7.97	1.14	0.35	19.00	8.51	1.38	0.25
16.45	7.98	1.15	0.34	19.05	8.52	1.38	0.25
16.50	7.99	1.15	0.34	19.10	8.53	1.38	0.25
16.55	8.01	1.16	0.34	19.15	8.53	1.39	0.25
16.60	8.02	1.17	0.34	19.20	8.54	1.39	0.25
16.65	8.03	1.17	0.34	19.25	8.55	1.40	0.25
16.70	8.04	1.18	0.34	19.30	8.56	1.40	0.25
16.75	8.06	1.18	0.33	19.35	8.57	1.40	0.25
16.80	8.07	1.19	0.33	19.40	8.58	1.41	0.25
16.85	8.08	1.19	0.33	19.45	8.59	1.41	0.25
16.90	8.09	1.20	0.33	19.50	8.60	1.42	0.25
16.95	8.10	1.20	0.33	19.55	8.60	1.42	0.25
17.00	8.11	1.21	0.32	19.60	8.61	1.42	0.25
17.05	8.13	1.21	0.32	19.65	8.62	1.43	0.25
17.10	8.14	1.21	0.32	19.70	8.63	1.43	0.25
17.15	8.15	1.22	0.32	19.75	8.64	1.44	0.25
17.20	8.16	1.22	0.31	19.80	8.65	1.44	0.25
17.25	8.17	1.23	0.31	19.85	8.66	1.44	0.25
17.30	8.18	1.23	0.31	19.90	8.67	1.45	0.25
17.35	8.19	1.24	0.31	19.95	8.67	1.45	0.25
17.40	8.20	1.24	0.31	20.00	8.68	1.46	0.24
17.45	8.21	1.25	0.30	20.05	8.69	1.46	0.24
17.50	8.22	1.25	0.30	20.10	8.70	1.46	0.24
17.55	8.23	1.26	0.30	20.15	8.71	1.47	0.24
17.60	8.25	1.26	0.30	20.20	8.72	1.47	0.24
17.65	8.26	1.27	0.30	20.25	8.72	1.47	0.24
17.70	8.27	1.27	0.29	20.30	8.73	1.48	0.24
17.75	8.28	1.27	0.29	20.35	8.74	1.48	0.24
17.80	8.29	1.28	0.29	20.40	8.75	1.49	0.24
17.85	8.30	1.28	0.29	20.45	8.76	1.49	0.24
17.90	8.30	1.29	0.28	20.50	8.77	1.49	0.24
17.95	8.31	1.29	0.28	20.55	8.77	1.50	0.24

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	1.50	0.24	23.20	9.17	1.68	0.21
20.65	8.79	1.50	0.24	23.25	9.18	1.69	0.21
20.70	8.80	1.51	0.24	23.30	9.19	1.69	0.21
20.75	8.81	1.51	0.24	23.35	9.19	1.69	0.21
20.80	8.81	1.52	0.24	23.40	9.20	1.70	0.21
20.85	8.82	1.52	0.24	23.45	9.21	1.70	0.21
20.90	8.83	1.52	0.24	23.50	9.21	1.70	0.21
20.95	8.84	1.53	0.24	23.55	9.22	1.71	0.21
21.00	8.85	1.53	0.24	23.60	9.23	1.71	0.21
21.05	8.85	1.53	0.23	23.65	9.23	1.71	0.21
21.10	8.86	1.54	0.23	23.70	9.24	1.72	0.21
21.15	8.87	1.54	0.23	23.75	9.25	1.72	0.20
21.20	8.88	1.55	0.23	23.80	9.25	1.72	0.20
21.25	8.89	1.55	0.23	23.85	9.26	1.73	0.20
21.30	8.89	1.55	0.23	23.90	9.27	1.73	0.20
21.35	8.90	1.56	0.23	23.95	9.27	1.73	0.20
21.40	8.91	1.56	0.23	24.00	9.28	1.74	0.20
21.45	8.92	1.56	0.23	24.05	9.28	1.74	0.20
21.50	8.92	1.57	0.23	24.10	9.28	1.74	0.20
21.55	8.93	1.57	0.23	24.15	9.28	1.74	0.18
21.60	8.94	1.57	0.23	24.20	9.28	1.74	0.16
21.65	8.95	1.58	0.23	24.25	9.28	1.74	0.14
21.70	8.96	1.58	0.23	24.30	9.28	1.74	0.12
21.75	8.96	1.59	0.23	24.35	9.28	1.74	0.10
21.80	8.97	1.59	0.23	24.40	9.28	1.74	0.09
21.85	8.98	1.59	0.23	24.45	9.28	1.74	0.08
21.90	8.99	1.60	0.23	24.50	9.28	1.74	0.07
21.95	8.99	1.60	0.23	24.55	9.28	1.74	0.06
22.00	9.00	1.60	0.22	24.60	9.28	1.74	0.05
22.05	9.01	1.61	0.22	24.65	9.28	1.74	0.04
22.10	9.02	1.61	0.22	24.70	9.28	1.74	0.03
22.15	9.02	1.61	0.22	24.75	9.28	1.74	0.03
22.20	9.03	1.62	0.22	24.80	9.28	1.74	0.03
22.25	9.04	1.62	0.22	24.85	9.28	1.74	0.02
22.30	9.04	1.62	0.22	24.90	9.28	1.74	0.02
22.35	9.05	1.63	0.22	24.95	9.28	1.74	0.01
22.40	9.06	1.63	0.22	25.00	9.28	1.74	0.01
22.45	9.07	1.63	0.22	25.05	9.28	1.74	0.01
22.50	9.07	1.64	0.22	25.10	9.28	1.74	0.01
22.55	9.08	1.64	0.22	25.15	9.28	1.74	0.01
22.60	9.09	1.64	0.22	25.20	9.28	1.74	0.01
22.65	9.10	1.65	0.22	25.25	9.28	1.74	0.00
22.70	9.10	1.65	0.22	25.30	9.28	1.74	0.00
22.75	9.11	1.65	0.22	25.35	9.28	1.74	0.00
22.80	9.12	1.66	0.22	25.40	9.28	1.74	0.00
22.85	9.12	1.66	0.22	25.45	9.28	1.74	0.00
22.90	9.13	1.66	0.21	25.50	9.28	1.74	0.00
22.95	9.14	1.67	0.21	25.55	9.28	1.74	0.00
23.00	9.14	1.67	0.21	25.60	9.28	1.74	0.00
23.05	9.15	1.67	0.21	25.65	9.28	1.74	0.00
23.10	9.16	1.68	0.21	25.70	9.28	1.74	0.00
23.15	9.17	1.68	0.21	25.75	9.28	1.74	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	1.74	0.00	28.40	9.28	1.74	0.00
25.85	9.28	1.74	0.00	28.45	9.28	1.74	0.00
25.90	9.28	1.74	0.00	28.50	9.28	1.74	0.00
25.95	9.28	1.74	0.00	28.55	9.28	1.74	0.00
26.00	9.28	1.74	0.00	28.60	9.28	1.74	0.00
26.05	9.28	1.74	0.00	28.65	9.28	1.74	0.00
26.10	9.28	1.74	0.00	28.70	9.28	1.74	0.00
26.15	9.28	1.74	0.00	28.75	9.28	1.74	0.00
26.20	9.28	1.74	0.00	28.80	9.28	1.74	0.00
26.25	9.28	1.74	0.00	28.85	9.28	1.74	0.00
26.30	9.28	1.74	0.00	28.90	9.28	1.74	0.00
26.35	9.28	1.74	0.00	28.95	9.28	1.74	0.00
26.40	9.28	1.74	0.00	29.00	9.28	1.74	0.00
26.45	9.28	1.74	0.00	29.05	9.28	1.74	0.00
26.50	9.28	1.74	0.00	29.10	9.28	1.74	0.00
26.55	9.28	1.74	0.00	29.15	9.28	1.74	0.00
26.60	9.28	1.74	0.00	29.20	9.28	1.74	0.00
26.65	9.28	1.74	0.00	29.25	9.28	1.74	0.00
26.70	9.28	1.74	0.00	29.30	9.28	1.74	0.00
26.75	9.28	1.74	0.00	29.35	9.28	1.74	0.00
26.80	9.28	1.74	0.00	29.40	9.28	1.74	0.00
26.85	9.28	1.74	0.00	29.45	9.28	1.74	0.00
26.90	9.28	1.74	0.00	29.50	9.28	1.74	0.00
26.95	9.28	1.74	0.00	29.55	9.28	1.74	0.00
27.00	9.28	1.74	0.00	29.60	9.28	1.74	0.00
27.05	9.28	1.74	0.00	29.65	9.28	1.74	0.00
27.10	9.28	1.74	0.00	29.70	9.28	1.74	0.00
27.15	9.28	1.74	0.00	29.75	9.28	1.74	0.00
27.20	9.28	1.74	0.00	29.80	9.28	1.74	0.00
27.25	9.28	1.74	0.00	29.85	9.28	1.74	0.00
27.30	9.28	1.74	0.00	29.90	9.28	1.74	0.00
27.35	9.28	1.74	0.00	29.95	9.28	1.74	0.00
27.40	9.28	1.74	0.00	30.00	9.28	1.74	0.00
27.45	9.28	1.74	0.00				
27.50	9.28	1.74	0.00				
27.55	9.28	1.74	0.00				
27.60	9.28	1.74	0.00				
27.65	9.28	1.74	0.00				
27.70	9.28	1.74	0.00				
27.75	9.28	1.74	0.00				
27.80	9.28	1.74	0.00				
27.85	9.28	1.74	0.00				
27.90	9.28	1.74	0.00				
27.95	9.28	1.74	0.00				
28.00	9.28	1.74	0.00				
28.05	9.28	1.74	0.00				
28.10	9.28	1.74	0.00				
28.15	9.28	1.74	0.00				
28.20	9.28	1.74	0.00				
28.25	9.28	1.74	0.00				
28.30	9.28	1.74	0.00				
28.35	9.28	1.74	0.00				

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Summary for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp

Runoff = 5.97 cfs @ 12.19 hrs, Volume= 0.781 af, Depth> 8.52"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.300	98	Pavement
* 0.200	98	Driveways
* 0.600	98	Roof
1.100	98	Weighted Average
1.100		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.57	0.19	7.60	1.31	1.09	0.26
5.05	0.78	0.58	0.19	7.65	1.32	1.11	0.27
5.10	0.79	0.59	0.19	7.70	1.34	1.12	0.27
5.15	0.80	0.60	0.19	7.75	1.35	1.13	0.27
5.20	0.81	0.61	0.19	7.80	1.36	1.14	0.27
5.25	0.82	0.61	0.19	7.85	1.37	1.16	0.28
5.30	0.83	0.62	0.19	7.90	1.39	1.17	0.28
5.35	0.84	0.63	0.19	7.95	1.40	1.18	0.28
5.40	0.84	0.64	0.19	8.00	1.41	1.20	0.28
5.45	0.85	0.65	0.19	8.05	1.43	1.21	0.28
5.50	0.86	0.66	0.19	8.10	1.44	1.22	0.29
5.55	0.87	0.67	0.19	8.15	1.46	1.24	0.29
5.60	0.88	0.68	0.19	8.20	1.47	1.25	0.29
5.65	0.89	0.69	0.19	8.25	1.48	1.26	0.29
5.70	0.90	0.69	0.20	8.30	1.50	1.28	0.30
5.75	0.91	0.70	0.20	8.35	1.51	1.29	0.30
5.80	0.92	0.71	0.20	8.40	1.53	1.31	0.30
5.85	0.93	0.72	0.20	8.45	1.54	1.32	0.30
5.90	0.94	0.73	0.20	8.50	1.55	1.33	0.30
5.95	0.95	0.74	0.20	8.55	1.57	1.35	0.31
6.00	0.96	0.75	0.20	8.60	1.58	1.36	0.31
6.05	0.97	0.76	0.20	8.65	1.60	1.38	0.31
6.10	0.98	0.77	0.20	8.70	1.61	1.39	0.31
6.15	0.98	0.78	0.20	8.75	1.63	1.41	0.32
6.20	0.99	0.79	0.20	8.80	1.64	1.42	0.32
6.25	1.00	0.80	0.21	8.85	1.66	1.44	0.32
6.30	1.01	0.81	0.21	8.90	1.67	1.45	0.32
6.35	1.02	0.81	0.21	8.95	1.69	1.47	0.32
6.40	1.03	0.82	0.21	9.00	1.70	1.48	0.33
6.45	1.05	0.83	0.21	9.05	1.72	1.50	0.33
6.50	1.06	0.85	0.21	9.10	1.74	1.51	0.33
6.55	1.07	0.86	0.22	9.15	1.75	1.53	0.34
6.60	1.08	0.87	0.22	9.20	1.77	1.55	0.34
6.65	1.09	0.88	0.22	9.25	1.79	1.56	0.35
6.70	1.10	0.89	0.22	9.30	1.80	1.58	0.35
6.75	1.11	0.90	0.23	9.35	1.82	1.60	0.36
6.80	1.12	0.91	0.23	9.40	1.84	1.61	0.37
6.85	1.13	0.92	0.23	9.45	1.86	1.63	0.37
6.90	1.14	0.93	0.23	9.50	1.88	1.65	0.38
6.95	1.15	0.94	0.23	9.55	1.90	1.67	0.39
7.00	1.17	0.95	0.24	9.60	1.91	1.69	0.39
7.05	1.18	0.96	0.24	9.65	1.93	1.71	0.40
7.10	1.19	0.97	0.24	9.70	1.95	1.73	0.41
7.15	1.20	0.99	0.24	9.75	1.97	1.75	0.41
7.20	1.21	1.00	0.25	9.80	1.99	1.77	0.42
7.25	1.22	1.01	0.25	9.85	2.02	1.79	0.43
7.30	1.24	1.02	0.25	9.90	2.04	1.81	0.44
7.35	1.25	1.03	0.25	9.95	2.06	1.83	0.44
7.40	1.26	1.04	0.26	10.00	2.08	1.85	0.45
7.45	1.27	1.06	0.26	10.05	2.10	1.88	0.46
7.50	1.29	1.07	0.26	10.10	2.13	1.90	0.46
7.55	1.30	1.08	0.26	10.15	2.15	1.92	0.47

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	1.94	0.48	12.80	6.48	6.24	1.51
10.25	2.20	1.97	0.49	12.85	6.52	6.28	1.39
10.30	2.22	1.99	0.49	12.90	6.56	6.33	1.29
10.35	2.24	2.02	0.50	12.95	6.60	6.37	1.21
10.40	2.27	2.04	0.51	13.00	6.64	6.41	1.14
10.45	2.29	2.07	0.51	13.05	6.68	6.44	1.07
10.50	2.32	2.09	0.52	13.10	6.72	6.48	1.01
10.55	2.35	2.12	0.53	13.15	6.75	6.51	0.96
10.60	2.37	2.14	0.54	13.20	6.78	6.55	0.91
10.65	2.40	2.17	0.56	13.25	6.82	6.58	0.87
10.70	2.43	2.20	0.57	13.30	6.85	6.61	0.83
10.75	2.46	2.23	0.59	13.35	6.88	6.64	0.80
10.80	2.50	2.27	0.61	13.40	6.91	6.67	0.77
10.85	2.53	2.30	0.63	13.45	6.93	6.70	0.74
10.90	2.56	2.33	0.66	13.50	6.96	6.72	0.71
10.95	2.60	2.37	0.68	13.55	6.99	6.75	0.69
11.00	2.64	2.41	0.70	13.60	7.01	6.77	0.66
11.05	2.68	2.45	0.73	13.65	7.04	6.80	0.64
11.10	2.72	2.49	0.75	13.70	7.06	6.82	0.61
11.15	2.76	2.53	0.78	13.75	7.08	6.85	0.60
11.20	2.80	2.57	0.82	13.80	7.11	6.87	0.58
11.25	2.85	2.62	0.85	13.85	7.13	6.89	0.57
11.30	2.90	2.67	0.89	13.90	7.15	6.92	0.55
11.35	2.95	2.72	0.93	13.95	7.18	6.94	0.54
11.40	3.00	2.77	0.96	14.00	7.20	6.96	0.53
11.45	3.05	2.82	1.00	14.05	7.22	6.98	0.52
11.50	3.11	2.88	1.04	14.10	7.24	7.00	0.52
11.55	3.18	2.95	1.09	14.15	7.26	7.02	0.51
11.60	3.25	3.02	1.16	14.20	7.29	7.05	0.50
11.65	3.33	3.09	1.25	14.25	7.31	7.07	0.49
11.70	3.40	3.17	1.34	14.30	7.33	7.09	0.48
11.75	3.51	3.27	1.43	14.35	7.35	7.11	0.48
11.80	3.61	3.38	1.57	14.40	7.37	7.13	0.47
11.85	3.76	3.53	1.75	14.45	7.38	7.15	0.46
11.90	3.91	3.68	2.01	14.50	7.40	7.16	0.46
11.95	4.18	3.94	2.36	14.55	7.42	7.18	0.45
12.00	4.45	4.21	2.90	14.60	7.44	7.20	0.44
12.05	4.91	4.67	3.65	14.65	7.46	7.22	0.43
12.10	5.37	5.13	4.71	14.70	7.48	7.24	0.43
12.15	5.52	5.28	5.75	14.75	7.49	7.25	0.42
12.20	5.67	5.43	5.95	14.80	7.51	7.27	0.41
12.25	5.77	5.54	5.46	14.85	7.53	7.29	0.41
12.30	5.88	5.64	4.85	14.90	7.54	7.31	0.40
12.35	5.95	5.72	4.29	14.95	7.56	7.32	0.39
12.40	6.03	5.79	3.77	15.00	7.58	7.34	0.38
12.45	6.10	5.86	3.31	15.05	7.59	7.35	0.38
12.50	6.17	5.93	2.93	15.10	7.61	7.37	0.37
12.55	6.23	5.99	2.62	15.15	7.62	7.38	0.36
12.60	6.28	6.04	2.33	15.20	7.64	7.40	0.36
12.65	6.33	6.09	2.07	15.25	7.65	7.41	0.35
12.70	6.38	6.14	1.85	15.30	7.67	7.43	0.35
12.75	6.43	6.19	1.66	15.35	7.68	7.44	0.34

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	7.46	0.34	18.00	8.32	8.08	0.22
15.45	7.71	7.47	0.34	18.05	8.33	8.09	0.22
15.50	7.73	7.49	0.33	18.10	8.34	8.10	0.22
15.55	7.74	7.50	0.33	18.15	8.35	8.11	0.22
15.60	7.75	7.51	0.33	18.20	8.36	8.12	0.21
15.65	7.77	7.53	0.32	18.25	8.37	8.13	0.21
15.70	7.78	7.54	0.32	18.30	8.38	8.14	0.21
15.75	7.80	7.56	0.32	18.35	8.39	8.15	0.21
15.80	7.81	7.57	0.32	18.40	8.40	8.16	0.21
15.85	7.82	7.58	0.32	18.45	8.41	8.17	0.21
15.90	7.84	7.60	0.31	18.50	8.42	8.18	0.21
15.95	7.85	7.61	0.31	18.55	8.43	8.19	0.21
16.00	7.87	7.63	0.31	18.60	8.44	8.20	0.21
16.05	7.88	7.64	0.31	18.65	8.44	8.20	0.21
16.10	7.89	7.65	0.30	18.70	8.45	8.21	0.20
16.15	7.91	7.67	0.30	18.75	8.46	8.22	0.20
16.20	7.92	7.68	0.30	18.80	8.47	8.23	0.20
16.25	7.93	7.69	0.30	18.85	8.48	8.24	0.20
16.30	7.94	7.70	0.30	18.90	8.49	8.25	0.20
16.35	7.96	7.72	0.29	18.95	8.50	8.26	0.20
16.40	7.97	7.73	0.29	19.00	8.51	8.27	0.20
16.45	7.98	7.74	0.29	19.05	8.52	8.28	0.20
16.50	7.99	7.75	0.29	19.10	8.53	8.29	0.20
16.55	8.01	7.77	0.29	19.15	8.53	8.29	0.20
16.60	8.02	7.78	0.28	19.20	8.54	8.30	0.20
16.65	8.03	7.79	0.28	19.25	8.55	8.31	0.20
16.70	8.04	7.80	0.28	19.30	8.56	8.32	0.20
16.75	8.06	7.82	0.28	19.35	8.57	8.33	0.20
16.80	8.07	7.83	0.27	19.40	8.58	8.34	0.20
16.85	8.08	7.84	0.27	19.45	8.59	8.35	0.20
16.90	8.09	7.85	0.27	19.50	8.60	8.36	0.20
16.95	8.10	7.86	0.27	19.55	8.60	8.36	0.20
17.00	8.11	7.87	0.27	19.60	8.61	8.37	0.19
17.05	8.13	7.89	0.26	19.65	8.62	8.38	0.19
17.10	8.14	7.90	0.26	19.70	8.63	8.39	0.19
17.15	8.15	7.91	0.26	19.75	8.64	8.40	0.19
17.20	8.16	7.92	0.26	19.80	8.65	8.41	0.19
17.25	8.17	7.93	0.25	19.85	8.66	8.42	0.19
17.30	8.18	7.94	0.25	19.90	8.67	8.42	0.19
17.35	8.19	7.95	0.25	19.95	8.67	8.43	0.19
17.40	8.20	7.96	0.25	20.00	8.68	8.44	0.19
17.45	8.21	7.97	0.25	20.05	8.69	8.45	0.19
17.50	8.22	7.98	0.24	20.10	8.70	8.46	0.19
17.55	8.23	7.99	0.24	20.15	8.71	8.47	0.19
17.60	8.25	8.01	0.24	20.20	8.72	8.48	0.19
17.65	8.26	8.02	0.24	20.25	8.72	8.48	0.19
17.70	8.27	8.03	0.24	20.30	8.73	8.49	0.19
17.75	8.28	8.04	0.23	20.35	8.74	8.50	0.19
17.80	8.29	8.05	0.23	20.40	8.75	8.51	0.19
17.85	8.30	8.06	0.23	20.45	8.76	8.52	0.19
17.90	8.30	8.06	0.23	20.50	8.77	8.53	0.18
17.95	8.31	8.07	0.22	20.55	8.77	8.53	0.18

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	8.54	0.18	23.20	9.17	8.93	0.16
20.65	8.79	8.55	0.18	23.25	9.18	8.94	0.15
20.70	8.80	8.56	0.18	23.30	9.19	8.95	0.15
20.75	8.81	8.57	0.18	23.35	9.19	8.95	0.15
20.80	8.81	8.57	0.18	23.40	9.20	8.96	0.15
20.85	8.82	8.58	0.18	23.45	9.21	8.97	0.15
20.90	8.83	8.59	0.18	23.50	9.21	8.97	0.15
20.95	8.84	8.60	0.18	23.55	9.22	8.98	0.15
21.00	8.85	8.61	0.18	23.60	9.23	8.99	0.15
21.05	8.85	8.61	0.18	23.65	9.23	8.99	0.15
21.10	8.86	8.62	0.18	23.70	9.24	9.00	0.15
21.15	8.87	8.63	0.18	23.75	9.25	9.01	0.15
21.20	8.88	8.64	0.18	23.80	9.25	9.01	0.15
21.25	8.89	8.65	0.18	23.85	9.26	9.02	0.15
21.30	8.89	8.65	0.18	23.90	9.27	9.03	0.15
21.35	8.90	8.66	0.18	23.95	9.27	9.03	0.15
21.40	8.91	8.67	0.17	24.00	9.28	9.04	0.15
21.45	8.92	8.68	0.17	24.05	9.28	9.04	0.14
21.50	8.92	8.68	0.17	24.10	9.28	9.04	0.13
21.55	8.93	8.69	0.17	24.15	9.28	9.04	0.10
21.60	8.94	8.70	0.17	24.20	9.28	9.04	0.08
21.65	8.95	8.71	0.17	24.25	9.28	9.04	0.06
21.70	8.96	8.71	0.17	24.30	9.28	9.04	0.05
21.75	8.96	8.72	0.17	24.35	9.28	9.04	0.03
21.80	8.97	8.73	0.17	24.40	9.28	9.04	0.03
21.85	8.98	8.74	0.17	24.45	9.28	9.04	0.02
21.90	8.99	8.75	0.17	24.50	9.28	9.04	0.01
21.95	8.99	8.75	0.17	24.55	9.28	9.04	0.01
22.00	9.00	8.76	0.17	24.60	9.28	9.04	0.01
22.05	9.01	8.77	0.17	24.65	9.28	9.04	0.01
22.10	9.02	8.77	0.17	24.70	9.28	9.04	0.00
22.15	9.02	8.78	0.17	24.75	9.28	9.04	0.00
22.20	9.03	8.79	0.17	24.80	9.28	9.04	0.00
22.25	9.04	8.80	0.17	24.85	9.28	9.04	0.00
22.30	9.04	8.80	0.17	24.90	9.28	9.04	0.00
22.35	9.05	8.81	0.16	24.95	9.28	9.04	0.00
22.40	9.06	8.82	0.16	25.00	9.28	9.04	0.00
22.45	9.07	8.83	0.16	25.05	9.28	9.04	0.00
22.50	9.07	8.83	0.16	25.10	9.28	9.04	0.00
22.55	9.08	8.84	0.16	25.15	9.28	9.04	0.00
22.60	9.09	8.85	0.16	25.20	9.28	9.04	0.00
22.65	9.10	8.86	0.16	25.25	9.28	9.04	0.00
22.70	9.10	8.86	0.16	25.30	9.28	9.04	0.00
22.75	9.11	8.87	0.16	25.35	9.28	9.04	0.00
22.80	9.12	8.88	0.16	25.40	9.28	9.04	0.00
22.85	9.12	8.88	0.16	25.45	9.28	9.04	0.00
22.90	9.13	8.89	0.16	25.50	9.28	9.04	0.00
22.95	9.14	8.90	0.16	25.55	9.28	9.04	0.00
23.00	9.14	8.90	0.16	25.60	9.28	9.04	0.00
23.05	9.15	8.91	0.16	25.65	9.28	9.04	0.00
23.10	9.16	8.92	0.16	25.70	9.28	9.04	0.00
23.15	9.17	8.93	0.16	25.75	9.28	9.04	0.00

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	9.04	0.00	28.40	9.28	9.04	0.00
25.85	9.28	9.04	0.00	28.45	9.28	9.04	0.00
25.90	9.28	9.04	0.00	28.50	9.28	9.04	0.00
25.95	9.28	9.04	0.00	28.55	9.28	9.04	0.00
26.00	9.28	9.04	0.00	28.60	9.28	9.04	0.00
26.05	9.28	9.04	0.00	28.65	9.28	9.04	0.00
26.10	9.28	9.04	0.00	28.70	9.28	9.04	0.00
26.15	9.28	9.04	0.00	28.75	9.28	9.04	0.00
26.20	9.28	9.04	0.00	28.80	9.28	9.04	0.00
26.25	9.28	9.04	0.00	28.85	9.28	9.04	0.00
26.30	9.28	9.04	0.00	28.90	9.28	9.04	0.00
26.35	9.28	9.04	0.00	28.95	9.28	9.04	0.00
26.40	9.28	9.04	0.00	29.00	9.28	9.04	0.00
26.45	9.28	9.04	0.00	29.05	9.28	9.04	0.00
26.50	9.28	9.04	0.00	29.10	9.28	9.04	0.00
26.55	9.28	9.04	0.00	29.15	9.28	9.04	0.00
26.60	9.28	9.04	0.00	29.20	9.28	9.04	0.00
26.65	9.28	9.04	0.00	29.25	9.28	9.04	0.00
26.70	9.28	9.04	0.00	29.30	9.28	9.04	0.00
26.75	9.28	9.04	0.00	29.35	9.28	9.04	0.00
26.80	9.28	9.04	0.00	29.40	9.28	9.04	0.00
26.85	9.28	9.04	0.00	29.45	9.28	9.04	0.00
26.90	9.28	9.04	0.00	29.50	9.28	9.04	0.00
26.95	9.28	9.04	0.00	29.55	9.28	9.04	0.00
27.00	9.28	9.04	0.00	29.60	9.28	9.04	0.00
27.05	9.28	9.04	0.00	29.65	9.28	9.04	0.00
27.10	9.28	9.04	0.00	29.70	9.28	9.04	0.00
27.15	9.28	9.04	0.00	29.75	9.28	9.04	0.00
27.20	9.28	9.04	0.00	29.80	9.28	9.04	0.00
27.25	9.28	9.04	0.00	29.85	9.28	9.04	0.00
27.30	9.28	9.04	0.00	29.90	9.28	9.04	0.00
27.35	9.28	9.04	0.00	29.95	9.28	9.04	0.00
27.40	9.28	9.04	0.00	30.00	9.28	9.04	0.00
27.45	9.28	9.04	0.00				
27.50	9.28	9.04	0.00				
27.55	9.28	9.04	0.00				
27.60	9.28	9.04	0.00				
27.65	9.28	9.04	0.00				
27.70	9.28	9.04	0.00				
27.75	9.28	9.04	0.00				
27.80	9.28	9.04	0.00				
27.85	9.28	9.04	0.00				
27.90	9.28	9.04	0.00				
27.95	9.28	9.04	0.00				
28.00	9.28	9.04	0.00				
28.05	9.28	9.04	0.00				
28.10	9.28	9.04	0.00				
28.15	9.28	9.04	0.00				
28.20	9.28	9.04	0.00				
28.25	9.28	9.04	0.00				
28.30	9.28	9.04	0.00				
28.35	9.28	9.04	0.00				

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Summary for Subcatchment Basin 6 Impervious: Basin 6 Imp

Runoff = 2.17 cfs @ 12.19 hrs, Volume= 0.284 af, Depth> 8.52"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D 100 year Rainfall=9.28"

Area (ac)	CN	Description
* 0.200	98	Pavement & Sidewalk
* 0.200	98	Roof
0.400	98	Weighted Average
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.57	0.07	7.60	1.31	1.09	0.10
5.05	0.78	0.58	0.07	7.65	1.32	1.11	0.10
5.10	0.79	0.59	0.07	7.70	1.34	1.12	0.10
5.15	0.80	0.60	0.07	7.75	1.35	1.13	0.10
5.20	0.81	0.61	0.07	7.80	1.36	1.14	0.10
5.25	0.82	0.61	0.07	7.85	1.37	1.16	0.10
5.30	0.83	0.62	0.07	7.90	1.39	1.17	0.10
5.35	0.84	0.63	0.07	7.95	1.40	1.18	0.10
5.40	0.84	0.64	0.07	8.00	1.41	1.20	0.10
5.45	0.85	0.65	0.07	8.05	1.43	1.21	0.10
5.50	0.86	0.66	0.07	8.10	1.44	1.22	0.10
5.55	0.87	0.67	0.07	8.15	1.46	1.24	0.10
5.60	0.88	0.68	0.07	8.20	1.47	1.25	0.11
5.65	0.89	0.69	0.07	8.25	1.48	1.26	0.11
5.70	0.90	0.69	0.07	8.30	1.50	1.28	0.11
5.75	0.91	0.70	0.07	8.35	1.51	1.29	0.11
5.80	0.92	0.71	0.07	8.40	1.53	1.31	0.11
5.85	0.93	0.72	0.07	8.45	1.54	1.32	0.11
5.90	0.94	0.73	0.07	8.50	1.55	1.33	0.11
5.95	0.95	0.74	0.07	8.55	1.57	1.35	0.11
6.00	0.96	0.75	0.07	8.60	1.58	1.36	0.11
6.05	0.97	0.76	0.07	8.65	1.60	1.38	0.11
6.10	0.98	0.77	0.07	8.70	1.61	1.39	0.11
6.15	0.98	0.78	0.07	8.75	1.63	1.41	0.11
6.20	0.99	0.79	0.07	8.80	1.64	1.42	0.12
6.25	1.00	0.80	0.07	8.85	1.66	1.44	0.12
6.30	1.01	0.81	0.08	8.90	1.67	1.45	0.12
6.35	1.02	0.81	0.08	8.95	1.69	1.47	0.12
6.40	1.03	0.82	0.08	9.00	1.70	1.48	0.12
6.45	1.05	0.83	0.08	9.05	1.72	1.50	0.12
6.50	1.06	0.85	0.08	9.10	1.74	1.51	0.12
6.55	1.07	0.86	0.08	9.15	1.75	1.53	0.12
6.60	1.08	0.87	0.08	9.20	1.77	1.55	0.12
6.65	1.09	0.88	0.08	9.25	1.79	1.56	0.13
6.70	1.10	0.89	0.08	9.30	1.80	1.58	0.13
6.75	1.11	0.90	0.08	9.35	1.82	1.60	0.13
6.80	1.12	0.91	0.08	9.40	1.84	1.61	0.13
6.85	1.13	0.92	0.08	9.45	1.86	1.63	0.14
6.90	1.14	0.93	0.08	9.50	1.88	1.65	0.14
6.95	1.15	0.94	0.09	9.55	1.90	1.67	0.14
7.00	1.17	0.95	0.09	9.60	1.91	1.69	0.14
7.05	1.18	0.96	0.09	9.65	1.93	1.71	0.15
7.10	1.19	0.97	0.09	9.70	1.95	1.73	0.15
7.15	1.20	0.99	0.09	9.75	1.97	1.75	0.15
7.20	1.21	1.00	0.09	9.80	1.99	1.77	0.15
7.25	1.22	1.01	0.09	9.85	2.02	1.79	0.16
7.30	1.24	1.02	0.09	9.90	2.04	1.81	0.16
7.35	1.25	1.03	0.09	9.95	2.06	1.83	0.16
7.40	1.26	1.04	0.09	10.00	2.08	1.85	0.16
7.45	1.27	1.06	0.09	10.05	2.10	1.88	0.17
7.50	1.29	1.07	0.09	10.10	2.13	1.90	0.17
7.55	1.30	1.08	0.10	10.15	2.15	1.92	0.17

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	1.94	0.17	12.80	6.48	6.24	0.55
10.25	2.20	1.97	0.18	12.85	6.52	6.28	0.51
10.30	2.22	1.99	0.18	12.90	6.56	6.33	0.47
10.35	2.24	2.02	0.18	12.95	6.60	6.37	0.44
10.40	2.27	2.04	0.18	13.00	6.64	6.41	0.41
10.45	2.29	2.07	0.19	13.05	6.68	6.44	0.39
10.50	2.32	2.09	0.19	13.10	6.72	6.48	0.37
10.55	2.35	2.12	0.19	13.15	6.75	6.51	0.35
10.60	2.37	2.14	0.20	13.20	6.78	6.55	0.33
10.65	2.40	2.17	0.20	13.25	6.82	6.58	0.32
10.70	2.43	2.20	0.21	13.30	6.85	6.61	0.30
10.75	2.46	2.23	0.22	13.35	6.88	6.64	0.29
10.80	2.50	2.27	0.22	13.40	6.91	6.67	0.28
10.85	2.53	2.30	0.23	13.45	6.93	6.70	0.27
10.90	2.56	2.33	0.24	13.50	6.96	6.72	0.26
10.95	2.60	2.37	0.25	13.55	6.99	6.75	0.25
11.00	2.64	2.41	0.26	13.60	7.01	6.77	0.24
11.05	2.68	2.45	0.26	13.65	7.04	6.80	0.23
11.10	2.72	2.49	0.27	13.70	7.06	6.82	0.22
11.15	2.76	2.53	0.29	13.75	7.08	6.85	0.22
11.20	2.80	2.57	0.30	13.80	7.11	6.87	0.21
11.25	2.85	2.62	0.31	13.85	7.13	6.89	0.21
11.30	2.90	2.67	0.32	13.90	7.15	6.92	0.20
11.35	2.95	2.72	0.34	13.95	7.18	6.94	0.20
11.40	3.00	2.77	0.35	14.00	7.20	6.96	0.19
11.45	3.05	2.82	0.36	14.05	7.22	6.98	0.19
11.50	3.11	2.88	0.38	14.10	7.24	7.00	0.19
11.55	3.18	2.95	0.40	14.15	7.26	7.02	0.18
11.60	3.25	3.02	0.42	14.20	7.29	7.05	0.18
11.65	3.33	3.09	0.46	14.25	7.31	7.07	0.18
11.70	3.40	3.17	0.49	14.30	7.33	7.09	0.18
11.75	3.51	3.27	0.52	14.35	7.35	7.11	0.17
11.80	3.61	3.38	0.57	14.40	7.37	7.13	0.17
11.85	3.76	3.53	0.64	14.45	7.38	7.15	0.17
11.90	3.91	3.68	0.73	14.50	7.40	7.16	0.17
11.95	4.18	3.94	0.86	14.55	7.42	7.18	0.16
12.00	4.45	4.21	1.06	14.60	7.44	7.20	0.16
12.05	4.91	4.67	1.33	14.65	7.46	7.22	0.16
12.10	5.37	5.13	1.71	14.70	7.48	7.24	0.16
12.15	5.52	5.28	2.09	14.75	7.49	7.25	0.15
12.20	5.67	5.43	2.16	14.80	7.51	7.27	0.15
12.25	5.77	5.54	1.98	14.85	7.53	7.29	0.15
12.30	5.88	5.64	1.77	14.90	7.54	7.31	0.14
12.35	5.95	5.72	1.56	14.95	7.56	7.32	0.14
12.40	6.03	5.79	1.37	15.00	7.58	7.34	0.14
12.45	6.10	5.86	1.20	15.05	7.59	7.35	0.14
12.50	6.17	5.93	1.07	15.10	7.61	7.37	0.13
12.55	6.23	5.99	0.95	15.15	7.62	7.38	0.13
12.60	6.28	6.04	0.85	15.20	7.64	7.40	0.13
12.65	6.33	6.09	0.75	15.25	7.65	7.41	0.13
12.70	6.38	6.14	0.67	15.30	7.67	7.43	0.13
12.75	6.43	6.19	0.61	15.35	7.68	7.44	0.12

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	7.46	0.12	18.00	8.32	8.08	0.08
15.45	7.71	7.47	0.12	18.05	8.33	8.09	0.08
15.50	7.73	7.49	0.12	18.10	8.34	8.10	0.08
15.55	7.74	7.50	0.12	18.15	8.35	8.11	0.08
15.60	7.75	7.51	0.12	18.20	8.36	8.12	0.08
15.65	7.77	7.53	0.12	18.25	8.37	8.13	0.08
15.70	7.78	7.54	0.12	18.30	8.38	8.14	0.08
15.75	7.80	7.56	0.12	18.35	8.39	8.15	0.08
15.80	7.81	7.57	0.12	18.40	8.40	8.16	0.08
15.85	7.82	7.58	0.11	18.45	8.41	8.17	0.08
15.90	7.84	7.60	0.11	18.50	8.42	8.18	0.08
15.95	7.85	7.61	0.11	18.55	8.43	8.19	0.08
16.00	7.87	7.63	0.11	18.60	8.44	8.20	0.07
16.05	7.88	7.64	0.11	18.65	8.44	8.20	0.07
16.10	7.89	7.65	0.11	18.70	8.45	8.21	0.07
16.15	7.91	7.67	0.11	18.75	8.46	8.22	0.07
16.20	7.92	7.68	0.11	18.80	8.47	8.23	0.07
16.25	7.93	7.69	0.11	18.85	8.48	8.24	0.07
16.30	7.94	7.70	0.11	18.90	8.49	8.25	0.07
16.35	7.96	7.72	0.11	18.95	8.50	8.26	0.07
16.40	7.97	7.73	0.11	19.00	8.51	8.27	0.07
16.45	7.98	7.74	0.11	19.05	8.52	8.28	0.07
16.50	7.99	7.75	0.10	19.10	8.53	8.29	0.07
16.55	8.01	7.77	0.10	19.15	8.53	8.29	0.07
16.60	8.02	7.78	0.10	19.20	8.54	8.30	0.07
16.65	8.03	7.79	0.10	19.25	8.55	8.31	0.07
16.70	8.04	7.80	0.10	19.30	8.56	8.32	0.07
16.75	8.06	7.82	0.10	19.35	8.57	8.33	0.07
16.80	8.07	7.83	0.10	19.40	8.58	8.34	0.07
16.85	8.08	7.84	0.10	19.45	8.59	8.35	0.07
16.90	8.09	7.85	0.10	19.50	8.60	8.36	0.07
16.95	8.10	7.86	0.10	19.55	8.60	8.36	0.07
17.00	8.11	7.87	0.10	19.60	8.61	8.37	0.07
17.05	8.13	7.89	0.10	19.65	8.62	8.38	0.07
17.10	8.14	7.90	0.09	19.70	8.63	8.39	0.07
17.15	8.15	7.91	0.09	19.75	8.64	8.40	0.07
17.20	8.16	7.92	0.09	19.80	8.65	8.41	0.07
17.25	8.17	7.93	0.09	19.85	8.66	8.42	0.07
17.30	8.18	7.94	0.09	19.90	8.67	8.42	0.07
17.35	8.19	7.95	0.09	19.95	8.67	8.43	0.07
17.40	8.20	7.96	0.09	20.00	8.68	8.44	0.07
17.45	8.21	7.97	0.09	20.05	8.69	8.45	0.07
17.50	8.22	7.98	0.09	20.10	8.70	8.46	0.07
17.55	8.23	7.99	0.09	20.15	8.71	8.47	0.07
17.60	8.25	8.01	0.09	20.20	8.72	8.48	0.07
17.65	8.26	8.02	0.09	20.25	8.72	8.48	0.07
17.70	8.27	8.03	0.09	20.30	8.73	8.49	0.07
17.75	8.28	8.04	0.08	20.35	8.74	8.50	0.07
17.80	8.29	8.05	0.08	20.40	8.75	8.51	0.07
17.85	8.30	8.06	0.08	20.45	8.76	8.52	0.07
17.90	8.30	8.06	0.08	20.50	8.77	8.53	0.07
17.95	8.31	8.07	0.08	20.55	8.77	8.53	0.07

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	8.54	0.07	23.20	9.17	8.93	0.06
20.65	8.79	8.55	0.07	23.25	9.18	8.94	0.06
20.70	8.80	8.56	0.07	23.30	9.19	8.95	0.06
20.75	8.81	8.57	0.07	23.35	9.19	8.95	0.06
20.80	8.81	8.57	0.07	23.40	9.20	8.96	0.06
20.85	8.82	8.58	0.07	23.45	9.21	8.97	0.06
20.90	8.83	8.59	0.07	23.50	9.21	8.97	0.06
20.95	8.84	8.60	0.07	23.55	9.22	8.98	0.06
21.00	8.85	8.61	0.07	23.60	9.23	8.99	0.05
21.05	8.85	8.61	0.06	23.65	9.23	8.99	0.05
21.10	8.86	8.62	0.06	23.70	9.24	9.00	0.05
21.15	8.87	8.63	0.06	23.75	9.25	9.01	0.05
21.20	8.88	8.64	0.06	23.80	9.25	9.01	0.05
21.25	8.89	8.65	0.06	23.85	9.26	9.02	0.05
21.30	8.89	8.65	0.06	23.90	9.27	9.03	0.05
21.35	8.90	8.66	0.06	23.95	9.27	9.03	0.05
21.40	8.91	8.67	0.06	24.00	9.28	9.04	0.05
21.45	8.92	8.68	0.06	24.05	9.28	9.04	0.05
21.50	8.92	8.68	0.06	24.10	9.28	9.04	0.05
21.55	8.93	8.69	0.06	24.15	9.28	9.04	0.04
21.60	8.94	8.70	0.06	24.20	9.28	9.04	0.03
21.65	8.95	8.71	0.06	24.25	9.28	9.04	0.02
21.70	8.96	8.71	0.06	24.30	9.28	9.04	0.02
21.75	8.96	8.72	0.06	24.35	9.28	9.04	0.01
21.80	8.97	8.73	0.06	24.40	9.28	9.04	0.01
21.85	8.98	8.74	0.06	24.45	9.28	9.04	0.01
21.90	8.99	8.75	0.06	24.50	9.28	9.04	0.01
21.95	8.99	8.75	0.06	24.55	9.28	9.04	0.00
22.00	9.00	8.76	0.06	24.60	9.28	9.04	0.00
22.05	9.01	8.77	0.06	24.65	9.28	9.04	0.00
22.10	9.02	8.77	0.06	24.70	9.28	9.04	0.00
22.15	9.02	8.78	0.06	24.75	9.28	9.04	0.00
22.20	9.03	8.79	0.06	24.80	9.28	9.04	0.00
22.25	9.04	8.80	0.06	24.85	9.28	9.04	0.00
22.30	9.04	8.80	0.06	24.90	9.28	9.04	0.00
22.35	9.05	8.81	0.06	24.95	9.28	9.04	0.00
22.40	9.06	8.82	0.06	25.00	9.28	9.04	0.00
22.45	9.07	8.83	0.06	25.05	9.28	9.04	0.00
22.50	9.07	8.83	0.06	25.10	9.28	9.04	0.00
22.55	9.08	8.84	0.06	25.15	9.28	9.04	0.00
22.60	9.09	8.85	0.06	25.20	9.28	9.04	0.00
22.65	9.10	8.86	0.06	25.25	9.28	9.04	0.00
22.70	9.10	8.86	0.06	25.30	9.28	9.04	0.00
22.75	9.11	8.87	0.06	25.35	9.28	9.04	0.00
22.80	9.12	8.88	0.06	25.40	9.28	9.04	0.00
22.85	9.12	8.88	0.06	25.45	9.28	9.04	0.00
22.90	9.13	8.89	0.06	25.50	9.28	9.04	0.00
22.95	9.14	8.90	0.06	25.55	9.28	9.04	0.00
23.00	9.14	8.90	0.06	25.60	9.28	9.04	0.00
23.05	9.15	8.91	0.06	25.65	9.28	9.04	0.00
23.10	9.16	8.92	0.06	25.70	9.28	9.04	0.00
23.15	9.17	8.93	0.06	25.75	9.28	9.04	0.00

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	9.04	0.00	28.40	9.28	9.04	0.00
25.85	9.28	9.04	0.00	28.45	9.28	9.04	0.00
25.90	9.28	9.04	0.00	28.50	9.28	9.04	0.00
25.95	9.28	9.04	0.00	28.55	9.28	9.04	0.00
26.00	9.28	9.04	0.00	28.60	9.28	9.04	0.00
26.05	9.28	9.04	0.00	28.65	9.28	9.04	0.00
26.10	9.28	9.04	0.00	28.70	9.28	9.04	0.00
26.15	9.28	9.04	0.00	28.75	9.28	9.04	0.00
26.20	9.28	9.04	0.00	28.80	9.28	9.04	0.00
26.25	9.28	9.04	0.00	28.85	9.28	9.04	0.00
26.30	9.28	9.04	0.00	28.90	9.28	9.04	0.00
26.35	9.28	9.04	0.00	28.95	9.28	9.04	0.00
26.40	9.28	9.04	0.00	29.00	9.28	9.04	0.00
26.45	9.28	9.04	0.00	29.05	9.28	9.04	0.00
26.50	9.28	9.04	0.00	29.10	9.28	9.04	0.00
26.55	9.28	9.04	0.00	29.15	9.28	9.04	0.00
26.60	9.28	9.04	0.00	29.20	9.28	9.04	0.00
26.65	9.28	9.04	0.00	29.25	9.28	9.04	0.00
26.70	9.28	9.04	0.00	29.30	9.28	9.04	0.00
26.75	9.28	9.04	0.00	29.35	9.28	9.04	0.00
26.80	9.28	9.04	0.00	29.40	9.28	9.04	0.00
26.85	9.28	9.04	0.00	29.45	9.28	9.04	0.00
26.90	9.28	9.04	0.00	29.50	9.28	9.04	0.00
26.95	9.28	9.04	0.00	29.55	9.28	9.04	0.00
27.00	9.28	9.04	0.00	29.60	9.28	9.04	0.00
27.05	9.28	9.04	0.00	29.65	9.28	9.04	0.00
27.10	9.28	9.04	0.00	29.70	9.28	9.04	0.00
27.15	9.28	9.04	0.00	29.75	9.28	9.04	0.00
27.20	9.28	9.04	0.00	29.80	9.28	9.04	0.00
27.25	9.28	9.04	0.00	29.85	9.28	9.04	0.00
27.30	9.28	9.04	0.00	29.90	9.28	9.04	0.00
27.35	9.28	9.04	0.00	29.95	9.28	9.04	0.00
27.40	9.28	9.04	0.00	30.00	9.28	9.04	0.00
27.45	9.28	9.04	0.00				
27.50	9.28	9.04	0.00				
27.55	9.28	9.04	0.00				
27.60	9.28	9.04	0.00				
27.65	9.28	9.04	0.00				
27.70	9.28	9.04	0.00				
27.75	9.28	9.04	0.00				
27.80	9.28	9.04	0.00				
27.85	9.28	9.04	0.00				
27.90	9.28	9.04	0.00				
27.95	9.28	9.04	0.00				
28.00	9.28	9.04	0.00				
28.05	9.28	9.04	0.00				
28.10	9.28	9.04	0.00				
28.15	9.28	9.04	0.00				
28.20	9.28	9.04	0.00				
28.25	9.28	9.04	0.00				
28.30	9.28	9.04	0.00				
28.35	9.28	9.04	0.00				

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Summary for Subcatchment Basin 6 Pervious: Basin 6 - Pervious

Runoff = 0.76 cfs @ 12.52 hrs, Volume= 0.217 af, Depth= 1.74"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 1.500	39	lawn, A soils
1.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.77	0.00	0.00	7.60	1.31	0.00	0.00
5.05	0.78	0.00	0.00	7.65	1.32	0.00	0.00
5.10	0.79	0.00	0.00	7.70	1.34	0.00	0.00
5.15	0.80	0.00	0.00	7.75	1.35	0.00	0.00
5.20	0.81	0.00	0.00	7.80	1.36	0.00	0.00
5.25	0.82	0.00	0.00	7.85	1.37	0.00	0.00
5.30	0.83	0.00	0.00	7.90	1.39	0.00	0.00
5.35	0.84	0.00	0.00	7.95	1.40	0.00	0.00
5.40	0.84	0.00	0.00	8.00	1.41	0.00	0.00
5.45	0.85	0.00	0.00	8.05	1.43	0.00	0.00
5.50	0.86	0.00	0.00	8.10	1.44	0.00	0.00
5.55	0.87	0.00	0.00	8.15	1.46	0.00	0.00
5.60	0.88	0.00	0.00	8.20	1.47	0.00	0.00
5.65	0.89	0.00	0.00	8.25	1.48	0.00	0.00
5.70	0.90	0.00	0.00	8.30	1.50	0.00	0.00
5.75	0.91	0.00	0.00	8.35	1.51	0.00	0.00
5.80	0.92	0.00	0.00	8.40	1.53	0.00	0.00
5.85	0.93	0.00	0.00	8.45	1.54	0.00	0.00
5.90	0.94	0.00	0.00	8.50	1.55	0.00	0.00
5.95	0.95	0.00	0.00	8.55	1.57	0.00	0.00
6.00	0.96	0.00	0.00	8.60	1.58	0.00	0.00
6.05	0.97	0.00	0.00	8.65	1.60	0.00	0.00
6.10	0.98	0.00	0.00	8.70	1.61	0.00	0.00
6.15	0.98	0.00	0.00	8.75	1.63	0.00	0.00
6.20	0.99	0.00	0.00	8.80	1.64	0.00	0.00
6.25	1.00	0.00	0.00	8.85	1.66	0.00	0.00
6.30	1.01	0.00	0.00	8.90	1.67	0.00	0.00
6.35	1.02	0.00	0.00	8.95	1.69	0.00	0.00
6.40	1.03	0.00	0.00	9.00	1.70	0.00	0.00
6.45	1.05	0.00	0.00	9.05	1.72	0.00	0.00
6.50	1.06	0.00	0.00	9.10	1.74	0.00	0.00
6.55	1.07	0.00	0.00	9.15	1.75	0.00	0.00
6.60	1.08	0.00	0.00	9.20	1.77	0.00	0.00
6.65	1.09	0.00	0.00	9.25	1.79	0.00	0.00
6.70	1.10	0.00	0.00	9.30	1.80	0.00	0.00
6.75	1.11	0.00	0.00	9.35	1.82	0.00	0.00
6.80	1.12	0.00	0.00	9.40	1.84	0.00	0.00
6.85	1.13	0.00	0.00	9.45	1.86	0.00	0.00
6.90	1.14	0.00	0.00	9.50	1.88	0.00	0.00
6.95	1.15	0.00	0.00	9.55	1.90	0.00	0.00
7.00	1.17	0.00	0.00	9.60	1.91	0.00	0.00
7.05	1.18	0.00	0.00	9.65	1.93	0.00	0.00
7.10	1.19	0.00	0.00	9.70	1.95	0.00	0.00
7.15	1.20	0.00	0.00	9.75	1.97	0.00	0.00
7.20	1.21	0.00	0.00	9.80	1.99	0.00	0.00
7.25	1.22	0.00	0.00	9.85	2.02	0.00	0.00
7.30	1.24	0.00	0.00	9.90	2.04	0.00	0.00
7.35	1.25	0.00	0.00	9.95	2.06	0.00	0.00
7.40	1.26	0.00	0.00	10.00	2.08	0.00	0.00
7.45	1.27	0.00	0.00	10.05	2.10	0.00	0.00
7.50	1.29	0.00	0.00	10.10	2.13	0.00	0.00
7.55	1.30	0.00	0.00	10.15	2.15	0.00	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	2.17	0.00	0.00	12.80	6.48	0.59	0.69
10.25	2.20	0.00	0.00	12.85	6.52	0.60	0.68
10.30	2.22	0.00	0.00	12.90	6.56	0.62	0.66
10.35	2.24	0.00	0.00	12.95	6.60	0.63	0.64
10.40	2.27	0.00	0.00	13.00	6.64	0.65	0.63
10.45	2.29	0.00	0.00	13.05	6.68	0.66	0.61
10.50	2.32	0.00	0.00	13.10	6.72	0.67	0.59
10.55	2.35	0.00	0.00	13.15	6.75	0.68	0.58
10.60	2.37	0.00	0.00	13.20	6.78	0.69	0.56
10.65	2.40	0.00	0.00	13.25	6.82	0.70	0.55
10.70	2.43	0.00	0.00	13.30	6.85	0.71	0.53
10.75	2.46	0.00	0.00	13.35	6.88	0.73	0.52
10.80	2.50	0.00	0.00	13.40	6.91	0.74	0.50
10.85	2.53	0.00	0.00	13.45	6.93	0.75	0.49
10.90	2.56	0.00	0.00	13.50	6.96	0.75	0.47
10.95	2.60	0.00	0.00	13.55	6.99	0.76	0.46
11.00	2.64	0.00	0.00	13.60	7.01	0.77	0.45
11.05	2.68	0.00	0.00	13.65	7.04	0.78	0.43
11.10	2.72	0.00	0.00	13.70	7.06	0.79	0.42
11.15	2.76	0.00	0.00	13.75	7.08	0.80	0.41
11.20	2.80	0.00	0.00	13.80	7.11	0.81	0.40
11.25	2.85	0.00	0.00	13.85	7.13	0.82	0.38
11.30	2.90	0.00	0.00	13.90	7.15	0.82	0.37
11.35	2.95	0.00	0.00	13.95	7.18	0.83	0.36
11.40	3.00	0.00	0.00	14.00	7.20	0.84	0.35
11.45	3.05	0.00	0.00	14.05	7.22	0.85	0.34
11.50	3.11	0.00	0.00	14.10	7.24	0.86	0.33
11.55	3.18	0.00	0.00	14.15	7.26	0.86	0.32
11.60	3.25	0.00	0.00	14.20	7.29	0.87	0.32
11.65	3.33	0.00	0.00	14.25	7.31	0.88	0.31
11.70	3.40	0.00	0.00	14.30	7.33	0.89	0.30
11.75	3.51	0.01	0.00	14.35	7.35	0.90	0.30
11.80	3.61	0.01	0.01	14.40	7.37	0.90	0.29
11.85	3.76	0.02	0.01	14.45	7.38	0.91	0.29
11.90	3.91	0.04	0.02	14.50	7.40	0.92	0.28
11.95	4.18	0.07	0.03	14.55	7.42	0.93	0.28
12.00	4.45	0.10	0.05	14.60	7.44	0.93	0.27
12.05	4.91	0.18	0.08	14.65	7.46	0.94	0.27
12.10	5.37	0.28	0.14	14.70	7.48	0.95	0.26
12.15	5.52	0.32	0.22	14.75	7.49	0.95	0.26
12.20	5.67	0.35	0.32	14.80	7.51	0.96	0.25
12.25	5.77	0.38	0.45	14.85	7.53	0.97	0.25
12.30	5.88	0.41	0.56	14.90	7.54	0.97	0.24
12.35	5.95	0.43	0.66	14.95	7.56	0.98	0.24
12.40	6.03	0.45	0.72	15.00	7.58	0.99	0.24
12.45	6.10	0.47	0.75	15.05	7.59	0.99	0.23
12.50	6.17	0.50	0.76	15.10	7.61	1.00	0.23
12.55	6.23	0.51	0.76	15.15	7.62	1.00	0.22
12.60	6.28	0.53	0.75	15.20	7.64	1.01	0.22
12.65	6.33	0.54	0.74	15.25	7.65	1.02	0.22
12.70	6.38	0.56	0.73	15.30	7.67	1.02	0.21
12.75	6.43	0.58	0.71	15.35	7.68	1.03	0.21

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	7.70	1.03	0.21	18.00	8.32	1.30	0.14
15.45	7.71	1.04	0.20	18.05	8.33	1.30	0.14
15.50	7.73	1.04	0.20	18.10	8.34	1.30	0.14
15.55	7.74	1.05	0.20	18.15	8.35	1.31	0.14
15.60	7.75	1.06	0.20	18.20	8.36	1.31	0.14
15.65	7.77	1.06	0.20	18.25	8.37	1.32	0.14
15.70	7.78	1.07	0.19	18.30	8.38	1.32	0.13
15.75	7.80	1.07	0.19	18.35	8.39	1.32	0.13
15.80	7.81	1.08	0.19	18.40	8.40	1.33	0.13
15.85	7.82	1.08	0.19	18.45	8.41	1.33	0.13
15.90	7.84	1.09	0.19	18.50	8.42	1.34	0.13
15.95	7.85	1.10	0.19	18.55	8.43	1.34	0.13
16.00	7.87	1.10	0.18	18.60	8.44	1.34	0.13
16.05	7.88	1.11	0.18	18.65	8.44	1.35	0.13
16.10	7.89	1.11	0.18	18.70	8.45	1.35	0.13
16.15	7.91	1.12	0.18	18.75	8.46	1.36	0.13
16.20	7.92	1.12	0.18	18.80	8.47	1.36	0.13
16.25	7.93	1.13	0.18	18.85	8.48	1.36	0.13
16.30	7.94	1.13	0.18	18.90	8.49	1.37	0.13
16.35	7.96	1.14	0.18	18.95	8.50	1.37	0.13
16.40	7.97	1.14	0.17	19.00	8.51	1.38	0.13
16.45	7.98	1.15	0.17	19.05	8.52	1.38	0.13
16.50	7.99	1.15	0.17	19.10	8.53	1.38	0.12
16.55	8.01	1.16	0.17	19.15	8.53	1.39	0.12
16.60	8.02	1.17	0.17	19.20	8.54	1.39	0.12
16.65	8.03	1.17	0.17	19.25	8.55	1.40	0.12
16.70	8.04	1.18	0.17	19.30	8.56	1.40	0.12
16.75	8.06	1.18	0.17	19.35	8.57	1.40	0.12
16.80	8.07	1.19	0.17	19.40	8.58	1.41	0.12
16.85	8.08	1.19	0.16	19.45	8.59	1.41	0.12
16.90	8.09	1.20	0.16	19.50	8.60	1.42	0.12
16.95	8.10	1.20	0.16	19.55	8.60	1.42	0.12
17.00	8.11	1.21	0.16	19.60	8.61	1.42	0.12
17.05	8.13	1.21	0.16	19.65	8.62	1.43	0.12
17.10	8.14	1.21	0.16	19.70	8.63	1.43	0.12
17.15	8.15	1.22	0.16	19.75	8.64	1.44	0.12
17.20	8.16	1.22	0.16	19.80	8.65	1.44	0.12
17.25	8.17	1.23	0.16	19.85	8.66	1.44	0.12
17.30	8.18	1.23	0.16	19.90	8.67	1.45	0.12
17.35	8.19	1.24	0.15	19.95	8.67	1.45	0.12
17.40	8.20	1.24	0.15	20.00	8.68	1.46	0.12
17.45	8.21	1.25	0.15	20.05	8.69	1.46	0.12
17.50	8.22	1.25	0.15	20.10	8.70	1.46	0.12
17.55	8.23	1.26	0.15	20.15	8.71	1.47	0.12
17.60	8.25	1.26	0.15	20.20	8.72	1.47	0.12
17.65	8.26	1.27	0.15	20.25	8.72	1.47	0.12
17.70	8.27	1.27	0.15	20.30	8.73	1.48	0.12
17.75	8.28	1.27	0.15	20.35	8.74	1.48	0.12
17.80	8.29	1.28	0.15	20.40	8.75	1.49	0.12
17.85	8.30	1.28	0.14	20.45	8.76	1.49	0.12
17.90	8.30	1.29	0.14	20.50	8.77	1.49	0.12
17.95	8.31	1.29	0.14	20.55	8.77	1.50	0.12

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	8.78	1.50	0.12	23.20	9.17	1.68	0.10
20.65	8.79	1.50	0.12	23.25	9.18	1.69	0.10
20.70	8.80	1.51	0.12	23.30	9.19	1.69	0.10
20.75	8.81	1.51	0.12	23.35	9.19	1.69	0.10
20.80	8.81	1.52	0.12	23.40	9.20	1.70	0.10
20.85	8.82	1.52	0.12	23.45	9.21	1.70	0.10
20.90	8.83	1.52	0.12	23.50	9.21	1.70	0.10
20.95	8.84	1.53	0.12	23.55	9.22	1.71	0.10
21.00	8.85	1.53	0.12	23.60	9.23	1.71	0.10
21.05	8.85	1.53	0.11	23.65	9.23	1.71	0.10
21.10	8.86	1.54	0.11	23.70	9.24	1.72	0.10
21.15	8.87	1.54	0.11	23.75	9.25	1.72	0.10
21.20	8.88	1.55	0.11	23.80	9.25	1.72	0.10
21.25	8.89	1.55	0.11	23.85	9.26	1.73	0.10
21.30	8.89	1.55	0.11	23.90	9.27	1.73	0.10
21.35	8.90	1.56	0.11	23.95	9.27	1.73	0.10
21.40	8.91	1.56	0.11	24.00	9.28	1.74	0.10
21.45	8.92	1.56	0.11	24.05	9.28	1.74	0.10
21.50	8.92	1.57	0.11	24.10	9.28	1.74	0.10
21.55	8.93	1.57	0.11	24.15	9.28	1.74	0.10
21.60	8.94	1.57	0.11	24.20	9.28	1.74	0.09
21.65	8.95	1.58	0.11	24.25	9.28	1.74	0.09
21.70	8.96	1.58	0.11	24.30	9.28	1.74	0.08
21.75	8.96	1.59	0.11	24.35	9.28	1.74	0.07
21.80	8.97	1.59	0.11	24.40	9.28	1.74	0.07
21.85	8.98	1.59	0.11	24.45	9.28	1.74	0.06
21.90	8.99	1.60	0.11	24.50	9.28	1.74	0.06
21.95	8.99	1.60	0.11	24.55	9.28	1.74	0.05
22.00	9.00	1.60	0.11	24.60	9.28	1.74	0.05
22.05	9.01	1.61	0.11	24.65	9.28	1.74	0.04
22.10	9.02	1.61	0.11	24.70	9.28	1.74	0.04
22.15	9.02	1.61	0.11	24.75	9.28	1.74	0.03
22.20	9.03	1.62	0.11	24.80	9.28	1.74	0.03
22.25	9.04	1.62	0.11	24.85	9.28	1.74	0.03
22.30	9.04	1.62	0.11	24.90	9.28	1.74	0.03
22.35	9.05	1.63	0.11	24.95	9.28	1.74	0.02
22.40	9.06	1.63	0.11	25.00	9.28	1.74	0.02
22.45	9.07	1.63	0.11	25.05	9.28	1.74	0.02
22.50	9.07	1.64	0.11	25.10	9.28	1.74	0.02
22.55	9.08	1.64	0.11	25.15	9.28	1.74	0.02
22.60	9.09	1.64	0.11	25.20	9.28	1.74	0.01
22.65	9.10	1.65	0.11	25.25	9.28	1.74	0.01
22.70	9.10	1.65	0.11	25.30	9.28	1.74	0.01
22.75	9.11	1.65	0.11	25.35	9.28	1.74	0.01
22.80	9.12	1.66	0.11	25.40	9.28	1.74	0.01
22.85	9.12	1.66	0.11	25.45	9.28	1.74	0.01
22.90	9.13	1.66	0.11	25.50	9.28	1.74	0.01
22.95	9.14	1.67	0.11	25.55	9.28	1.74	0.01
23.00	9.14	1.67	0.10	25.60	9.28	1.74	0.01
23.05	9.15	1.67	0.10	25.65	9.28	1.74	0.00
23.10	9.16	1.68	0.10	25.70	9.28	1.74	0.00
23.15	9.17	1.68	0.10	25.75	9.28	1.74	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	9.28	1.74	0.00	28.40	9.28	1.74	0.00
25.85	9.28	1.74	0.00	28.45	9.28	1.74	0.00
25.90	9.28	1.74	0.00	28.50	9.28	1.74	0.00
25.95	9.28	1.74	0.00	28.55	9.28	1.74	0.00
26.00	9.28	1.74	0.00	28.60	9.28	1.74	0.00
26.05	9.28	1.74	0.00	28.65	9.28	1.74	0.00
26.10	9.28	1.74	0.00	28.70	9.28	1.74	0.00
26.15	9.28	1.74	0.00	28.75	9.28	1.74	0.00
26.20	9.28	1.74	0.00	28.80	9.28	1.74	0.00
26.25	9.28	1.74	0.00	28.85	9.28	1.74	0.00
26.30	9.28	1.74	0.00	28.90	9.28	1.74	0.00
26.35	9.28	1.74	0.00	28.95	9.28	1.74	0.00
26.40	9.28	1.74	0.00	29.00	9.28	1.74	0.00
26.45	9.28	1.74	0.00	29.05	9.28	1.74	0.00
26.50	9.28	1.74	0.00	29.10	9.28	1.74	0.00
26.55	9.28	1.74	0.00	29.15	9.28	1.74	0.00
26.60	9.28	1.74	0.00	29.20	9.28	1.74	0.00
26.65	9.28	1.74	0.00	29.25	9.28	1.74	0.00
26.70	9.28	1.74	0.00	29.30	9.28	1.74	0.00
26.75	9.28	1.74	0.00	29.35	9.28	1.74	0.00
26.80	9.28	1.74	0.00	29.40	9.28	1.74	0.00
26.85	9.28	1.74	0.00	29.45	9.28	1.74	0.00
26.90	9.28	1.74	0.00	29.50	9.28	1.74	0.00
26.95	9.28	1.74	0.00	29.55	9.28	1.74	0.00
27.00	9.28	1.74	0.00	29.60	9.28	1.74	0.00
27.05	9.28	1.74	0.00	29.65	9.28	1.74	0.00
27.10	9.28	1.74	0.00	29.70	9.28	1.74	0.00
27.15	9.28	1.74	0.00	29.75	9.28	1.74	0.00
27.20	9.28	1.74	0.00	29.80	9.28	1.74	0.00
27.25	9.28	1.74	0.00	29.85	9.28	1.74	0.00
27.30	9.28	1.74	0.00	29.90	9.28	1.74	0.00
27.35	9.28	1.74	0.00	29.95	9.28	1.74	0.00
27.40	9.28	1.74	0.00	30.00	9.28	1.74	0.00
27.45	9.28	1.74	0.00				
27.50	9.28	1.74	0.00				
27.55	9.28	1.74	0.00				
27.60	9.28	1.74	0.00				
27.65	9.28	1.74	0.00				
27.70	9.28	1.74	0.00				
27.75	9.28	1.74	0.00				
27.80	9.28	1.74	0.00				
27.85	9.28	1.74	0.00				
27.90	9.28	1.74	0.00				
27.95	9.28	1.74	0.00				
28.00	9.28	1.74	0.00				
28.05	9.28	1.74	0.00				
28.10	9.28	1.74	0.00				
28.15	9.28	1.74	0.00				
28.20	9.28	1.74	0.00				
28.25	9.28	1.74	0.00				
28.30	9.28	1.74	0.00				
28.35	9.28	1.74	0.00				

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Summary for Reach Site: Site

Inflow Area = 17.000 ac, 29.12% Impervious, Inflow Depth = 0.39" for 100 year event
Inflow = 0.95 cfs @ 13.95 hrs, Volume= 0.555 af
Outflow = 0.95 cfs @ 13.95 hrs, Volume= 0.555 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs

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Hydrograph for Reach Site: Site

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
5.00	0.00		0.00	7.60	0.00		0.00
5.05	0.00		0.00	7.65	0.00		0.00
5.10	0.00		0.00	7.70	0.00		0.00
5.15	0.00		0.00	7.75	0.00		0.00
5.20	0.00		0.00	7.80	0.00		0.00
5.25	0.00		0.00	7.85	0.00		0.00
5.30	0.00		0.00	7.90	0.00		0.00
5.35	0.00		0.00	7.95	0.00		0.00
5.40	0.00		0.00	8.00	0.00		0.00
5.45	0.00		0.00	8.05	0.00		0.00
5.50	0.00		0.00	8.10	0.00		0.00
5.55	0.00		0.00	8.15	0.00		0.00
5.60	0.00		0.00	8.20	0.00		0.00
5.65	0.00		0.00	8.25	0.00		0.00
5.70	0.00		0.00	8.30	0.00		0.00
5.75	0.00		0.00	8.35	0.00		0.00
5.80	0.00		0.00	8.40	0.00		0.00
5.85	0.00		0.00	8.45	0.00		0.00
5.90	0.00		0.00	8.50	0.00		0.00
5.95	0.00		0.00	8.55	0.00		0.00
6.00	0.00		0.00	8.60	0.00		0.00
6.05	0.00		0.00	8.65	0.00		0.00
6.10	0.00		0.00	8.70	0.00		0.00
6.15	0.00		0.00	8.75	0.00		0.00
6.20	0.00		0.00	8.80	0.00		0.00
6.25	0.00		0.00	8.85	0.00		0.00
6.30	0.00		0.00	8.90	0.00		0.00
6.35	0.00		0.00	8.95	0.00		0.00
6.40	0.00		0.00	9.00	0.00		0.00
6.45	0.00		0.00	9.05	0.00		0.00
6.50	0.00		0.00	9.10	0.00		0.00
6.55	0.00		0.00	9.15	0.00		0.00
6.60	0.00		0.00	9.20	0.00		0.00
6.65	0.00		0.00	9.25	0.00		0.00
6.70	0.00		0.00	9.30	0.00		0.00
6.75	0.00		0.00	9.35	0.00		0.00
6.80	0.00		0.00	9.40	0.00		0.00
6.85	0.00		0.00	9.45	0.00		0.00
6.90	0.00		0.00	9.50	0.00		0.00
6.95	0.00		0.00	9.55	0.00		0.00
7.00	0.00		0.00	9.60	0.00		0.00
7.05	0.00		0.00	9.65	0.00		0.00
7.10	0.00		0.00	9.70	0.00		0.00
7.15	0.00		0.00	9.75	0.00		0.00
7.20	0.00		0.00	9.80	0.00		0.00
7.25	0.00		0.00	9.85	0.00		0.00
7.30	0.00		0.00	9.90	0.00		0.00
7.35	0.00		0.00	9.95	0.00		0.00
7.40	0.00		0.00	10.00	0.00		0.00
7.45	0.00		0.00	10.05	0.00		0.00
7.50	0.00		0.00	10.10	0.00		0.00
7.55	0.00		0.00	10.15	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
10.20	0.00		0.00	12.80	0.83		0.83
10.25	0.00		0.00	12.85	0.85		0.85
10.30	0.00		0.00	12.90	0.86		0.86
10.35	0.00		0.00	12.95	0.87		0.87
10.40	0.00		0.00	13.00	0.88		0.88
10.45	0.00		0.00	13.05	0.89		0.89
10.50	0.00		0.00	13.10	0.90		0.90
10.55	0.00		0.00	13.15	0.91		0.91
10.60	0.00		0.00	13.20	0.91		0.91
10.65	0.00		0.00	13.25	0.92		0.92
10.70	0.00		0.00	13.30	0.93		0.93
10.75	0.00		0.00	13.35	0.93		0.93
10.80	0.00		0.00	13.40	0.93		0.93
10.85	0.00		0.00	13.45	0.94		0.94
10.90	0.00		0.00	13.50	0.94		0.94
10.95	0.00		0.00	13.55	0.94		0.94
11.00	0.00		0.00	13.60	0.95		0.95
11.05	0.00		0.00	13.65	0.95		0.95
11.10	0.00		0.00	13.70	0.95		0.95
11.15	0.00		0.00	13.75	0.95		0.95
11.20	0.00		0.00	13.80	0.95		0.95
11.25	0.00		0.00	13.85	0.95		0.95
11.30	0.00		0.00	13.90	0.95		0.95
11.35	0.00		0.00	13.95	0.95		0.95
11.40	0.00		0.00	14.00	0.95		0.95
11.45	0.00		0.00	14.05	0.95		0.95
11.50	0.00		0.00	14.10	0.95		0.95
11.55	0.00		0.00	14.15	0.95		0.95
11.60	0.00		0.00	14.20	0.95		0.95
11.65	0.00		0.00	14.25	0.95		0.95
11.70	0.00		0.00	14.30	0.95		0.95
11.75	0.00		0.00	14.35	0.95		0.95
11.80	0.00		0.00	14.40	0.95		0.95
11.85	0.00		0.00	14.45	0.94		0.94
11.90	0.00		0.00	14.50	0.94		0.94
11.95	0.00		0.00	14.55	0.94		0.94
12.00	0.03		0.03	14.60	0.94		0.94
12.05	0.07		0.07	14.65	0.94		0.94
12.10	0.11		0.11	14.70	0.94		0.94
12.15	0.14		0.14	14.75	0.93		0.93
12.20	0.20		0.20	14.80	0.93		0.93
12.25	0.31		0.31	14.85	0.93		0.93
12.30	0.42		0.42	14.90	0.93		0.93
12.35	0.49		0.49	14.95	0.92		0.92
12.40	0.55		0.55	15.00	0.92		0.92
12.45	0.62		0.62	15.05	0.92		0.92
12.50	0.67		0.67	15.10	0.92		0.92
12.55	0.71		0.71	15.15	0.91		0.91
12.60	0.75		0.75	15.20	0.91		0.91
12.65	0.77		0.77	15.25	0.91		0.91
12.70	0.80		0.80	15.30	0.90		0.90
12.75	0.82		0.82	15.35	0.90		0.90

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
15.40	0.90		0.90	18.00	0.67		0.67
15.45	0.89		0.89	18.05	0.66		0.66
15.50	0.89		0.89	18.10	0.66		0.66
15.55	0.89		0.89	18.15	0.65		0.65
15.60	0.88		0.88	18.20	0.64		0.64
15.65	0.88		0.88	18.25	0.64		0.64
15.70	0.88		0.88	18.30	0.63		0.63
15.75	0.87		0.87	18.35	0.63		0.63
15.80	0.87		0.87	18.40	0.62		0.62
15.85	0.87		0.87	18.45	0.61		0.61
15.90	0.86		0.86	18.50	0.60		0.60
15.95	0.86		0.86	18.55	0.60		0.60
16.00	0.86		0.86	18.60	0.59		0.59
16.05	0.85		0.85	18.65	0.58		0.58
16.10	0.85		0.85	18.70	0.58		0.58
16.15	0.84		0.84	18.75	0.57		0.57
16.20	0.84		0.84	18.80	0.56		0.56
16.25	0.84		0.84	18.85	0.56		0.56
16.30	0.83		0.83	18.90	0.55		0.55
16.35	0.83		0.83	18.95	0.54		0.54
16.40	0.82		0.82	19.00	0.53		0.53
16.45	0.82		0.82	19.05	0.53		0.53
16.50	0.82		0.82	19.10	0.52		0.52
16.55	0.81		0.81	19.15	0.51		0.51
16.60	0.81		0.81	19.20	0.50		0.50
16.65	0.80		0.80	19.25	0.49		0.49
16.70	0.80		0.80	19.30	0.49		0.49
16.75	0.79		0.79	19.35	0.48		0.48
16.80	0.79		0.79	19.40	0.47		0.47
16.85	0.78		0.78	19.45	0.46		0.46
16.90	0.78		0.78	19.50	0.46		0.46
16.95	0.78		0.78	19.55	0.45		0.45
17.00	0.77		0.77	19.60	0.44		0.44
17.05	0.77		0.77	19.65	0.43		0.43
17.10	0.76		0.76	19.70	0.42		0.42
17.15	0.76		0.76	19.75	0.42		0.42
17.20	0.75		0.75	19.80	0.41		0.41
17.25	0.75		0.75	19.85	0.40		0.40
17.30	0.74		0.74	19.90	0.40		0.40
17.35	0.74		0.74	19.95	0.39		0.39
17.40	0.73		0.73	20.00	0.38		0.38
17.45	0.73		0.73	20.05	0.38		0.38
17.50	0.72		0.72	20.10	0.37		0.37
17.55	0.72		0.72	20.15	0.36		0.36
17.60	0.71		0.71	20.20	0.35		0.35
17.65	0.71		0.71	20.25	0.35		0.35
17.70	0.70		0.70	20.30	0.34		0.34
17.75	0.70		0.70	20.35	0.33		0.33
17.80	0.69		0.69	20.40	0.33		0.33
17.85	0.69		0.69	20.45	0.32		0.32
17.90	0.68		0.68	20.50	0.32		0.32
17.95	0.68		0.68	20.55	0.31		0.31

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
20.60	0.31		0.31	23.20	0.09		0.09
20.65	0.30		0.30	23.25	0.09		0.09
20.70	0.30		0.30	23.30	0.08		0.08
20.75	0.29		0.29	23.35	0.08		0.08
20.80	0.29		0.29	23.40	0.08		0.08
20.85	0.28		0.28	23.45	0.07		0.07
20.90	0.28		0.28	23.50	0.07		0.07
20.95	0.28		0.28	23.55	0.07		0.07
21.00	0.27		0.27	23.60	0.06		0.06
21.05	0.27		0.27	23.65	0.06		0.06
21.10	0.26		0.26	23.70	0.06		0.06
21.15	0.26		0.26	23.75	0.05		0.05
21.20	0.26		0.26	23.80	0.05		0.05
21.25	0.25		0.25	23.85	0.05		0.05
21.30	0.25		0.25	23.90	0.05		0.05
21.35	0.25		0.25	23.95	0.04		0.04
21.40	0.24		0.24	24.00	0.04		0.04
21.45	0.24		0.24	24.05	0.04		0.04
21.50	0.24		0.24	24.10	0.03		0.03
21.55	0.23		0.23	24.15	0.03		0.03
21.60	0.23		0.23	24.20	0.03		0.03
21.65	0.23		0.23	24.25	0.03		0.03
21.70	0.22		0.22	24.30	0.02		0.02
21.75	0.22		0.22	24.35	0.02		0.02
21.80	0.21		0.21	24.40	0.02		0.02
21.85	0.21		0.21	24.45	0.01		0.01
21.90	0.20		0.20	24.50	0.01		0.01
21.95	0.20		0.20	24.55	0.01		0.01
22.00	0.19		0.19	24.60	0.01		0.01
22.05	0.19		0.19	24.65	0.00		0.00
22.10	0.18		0.18	24.70	0.00		0.00
22.15	0.18		0.18	24.75	0.00		0.00
22.20	0.18		0.18	24.80	0.00		0.00
22.25	0.17		0.17	24.85	0.00		0.00
22.30	0.17		0.17	24.90	0.00		0.00
22.35	0.16		0.16	24.95	0.00		0.00
22.40	0.16		0.16	25.00	0.00		0.00
22.45	0.15		0.15	25.05	0.00		0.00
22.50	0.15		0.15	25.10	0.00		0.00
22.55	0.14		0.14	25.15	0.00		0.00
22.60	0.14		0.14	25.20	0.00		0.00
22.65	0.14		0.14	25.25	0.00		0.00
22.70	0.13		0.13	25.30	0.00		0.00
22.75	0.13		0.13	25.35	0.00		0.00
22.80	0.12		0.12	25.40	0.00		0.00
22.85	0.12		0.12	25.45	0.00		0.00
22.90	0.12		0.12	25.50	0.00		0.00
22.95	0.11		0.11	25.55	0.00		0.00
23.00	0.11		0.11	25.60	0.00		0.00
23.05	0.10		0.10	25.65	0.00		0.00
23.10	0.10		0.10	25.70	0.00		0.00
23.15	0.10		0.10	25.75	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
25.80	0.00		0.00	28.40	0.00		0.00
25.85	0.00		0.00	28.45	0.00		0.00
25.90	0.00		0.00	28.50	0.00		0.00
25.95	0.00		0.00	28.55	0.00		0.00
26.00	0.00		0.00	28.60	0.00		0.00
26.05	0.00		0.00	28.65	0.00		0.00
26.10	0.00		0.00	28.70	0.00		0.00
26.15	0.00		0.00	28.75	0.00		0.00
26.20	0.00		0.00	28.80	0.00		0.00
26.25	0.00		0.00	28.85	0.00		0.00
26.30	0.00		0.00	28.90	0.00		0.00
26.35	0.00		0.00	28.95	0.00		0.00
26.40	0.00		0.00	29.00	0.00		0.00
26.45	0.00		0.00	29.05	0.00		0.00
26.50	0.00		0.00	29.10	0.00		0.00
26.55	0.00		0.00	29.15	0.00		0.00
26.60	0.00		0.00	29.20	0.00		0.00
26.65	0.00		0.00	29.25	0.00		0.00
26.70	0.00		0.00	29.30	0.00		0.00
26.75	0.00		0.00	29.35	0.00		0.00
26.80	0.00		0.00	29.40	0.00		0.00
26.85	0.00		0.00	29.45	0.00		0.00
26.90	0.00		0.00	29.50	0.00		0.00
26.95	0.00		0.00	29.55	0.00		0.00
27.00	0.00		0.00	29.60	0.00		0.00
27.05	0.00		0.00	29.65	0.00		0.00
27.10	0.00		0.00	29.70	0.00		0.00
27.15	0.00		0.00	29.75	0.00		0.00
27.20	0.00		0.00	29.80	0.00		0.00
27.25	0.00		0.00	29.85	0.00		0.00
27.30	0.00		0.00	29.90	0.00		0.00
27.35	0.00		0.00	29.95	0.00		0.00
27.40	0.00		0.00	30.00	0.00		0.00
27.45	0.00		0.00				
27.50	0.00		0.00				
27.55	0.00		0.00				
27.60	0.00		0.00				
27.65	0.00		0.00				
27.70	0.00		0.00				
27.75	0.00		0.00				
27.80	0.00		0.00				
27.85	0.00		0.00				
27.90	0.00		0.00				
27.95	0.00		0.00				
28.00	0.00		0.00				
28.05	0.00		0.00				
28.10	0.00		0.00				
28.15	0.00		0.00				
28.20	0.00		0.00				
28.25	0.00		0.00				
28.30	0.00		0.00				
28.35	0.00		0.00				

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Summary for Pond Basin 1: Basin 1

Inflow Area = 3.200 ac, 34.38% Impervious, Inflow Depth > 4.07" for 100 year event
 Inflow = 6.40 cfs @ 12.20 hrs, Volume= 1.084 af
 Outflow = 1.08 cfs @ 13.89 hrs, Volume= 1.057 af, Atten= 83%, Lag= 101.6 min
 Discarded = 0.78 cfs @ 13.89 hrs, Volume= 0.845 af
 Primary = 0.30 cfs @ 13.89 hrs, Volume= 0.212 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 92.27' @ 13.89 hrs Surf.Area= 0.214 ac Storage= 0.436 af

Plug-Flow detention time= 240.0 min calculated for 1.057 af (97% of inflow)
 Center-of-Mass det. time= 224.1 min (1,061.7 - 837.5)

Volume	Invert	Avail.Storage	Storage Description
#1	89.00'	0.885 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
89.00	0.050	0.000	0.000
90.00	0.100	0.075	0.075
91.00	0.150	0.125	0.200
92.00	0.200	0.175	0.375
93.00	0.250	0.225	0.600
94.00	0.320	0.285	0.885

Device	Routing	Invert	Outlet Devices
#1	Discarded	89.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 87.00'
#2	Primary	90.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	93.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.78 cfs @ 13.89 hrs HW=92.27' (Free Discharge)
 ↳ **1=Exfiltration** (Controls 0.78 cfs)

Primary OutFlow Max=0.30 cfs @ 13.89 hrs HW=92.27' (Free Discharge)
 ↳ **2=Orifice/Grate** (Orifice Controls 0.30 cfs @ 6.18 fps)
 ↳ **3=Orifice/Grate** (Controls 0.00 cfs)

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Hydrograph for Pond Basin 1: Basin 1

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.19	0.000	89.00	0.01	0.01	0.00
5.05	0.19	0.001	89.01	0.03	0.03	0.00
5.10	0.19	0.002	89.02	0.05	0.05	0.00
5.15	0.19	0.002	89.03	0.06	0.06	0.00
5.20	0.19	0.003	89.04	0.08	0.08	0.00
5.25	0.19	0.003	89.04	0.09	0.09	0.00
5.30	0.19	0.003	89.05	0.10	0.10	0.00
5.35	0.19	0.004	89.05	0.11	0.11	0.00
5.40	0.19	0.004	89.06	0.11	0.11	0.00
5.45	0.19	0.005	89.06	0.11	0.11	0.00
5.50	0.19	0.005	89.06	0.11	0.11	0.00
5.55	0.19	0.005	89.07	0.11	0.11	0.00
5.60	0.19	0.006	89.07	0.11	0.11	0.00
5.65	0.19	0.006	89.08	0.11	0.11	0.00
5.70	0.20	0.006	89.08	0.11	0.11	0.00
5.75	0.20	0.007	89.09	0.11	0.11	0.00
5.80	0.20	0.007	89.09	0.11	0.11	0.00
5.85	0.20	0.007	89.10	0.12	0.12	0.00
5.90	0.20	0.008	89.10	0.12	0.12	0.00
5.95	0.20	0.008	89.11	0.12	0.12	0.00
6.00	0.20	0.008	89.11	0.12	0.12	0.00
6.05	0.20	0.009	89.11	0.12	0.12	0.00
6.10	0.20	0.009	89.12	0.12	0.12	0.00
6.15	0.20	0.009	89.12	0.12	0.12	0.00
6.20	0.20	0.010	89.13	0.12	0.12	0.00
6.25	0.21	0.010	89.13	0.12	0.12	0.00
6.30	0.21	0.010	89.14	0.12	0.12	0.00
6.35	0.21	0.011	89.14	0.12	0.12	0.00
6.40	0.21	0.011	89.15	0.12	0.12	0.00
6.45	0.21	0.011	89.15	0.12	0.12	0.00
6.50	0.21	0.012	89.16	0.12	0.12	0.00
6.55	0.22	0.012	89.16	0.13	0.13	0.00
6.60	0.22	0.012	89.17	0.13	0.13	0.00
6.65	0.22	0.013	89.17	0.13	0.13	0.00
6.70	0.22	0.013	89.18	0.13	0.13	0.00
6.75	0.23	0.014	89.18	0.13	0.13	0.00
6.80	0.23	0.014	89.19	0.13	0.13	0.00
6.85	0.23	0.014	89.19	0.13	0.13	0.00
6.90	0.23	0.015	89.20	0.13	0.13	0.00
6.95	0.23	0.015	89.20	0.13	0.13	0.00
7.00	0.24	0.016	89.21	0.13	0.13	0.00
7.05	0.24	0.016	89.22	0.13	0.13	0.00
7.10	0.24	0.017	89.22	0.14	0.14	0.00
7.15	0.24	0.017	89.23	0.14	0.14	0.00
7.20	0.25	0.017	89.23	0.14	0.14	0.00
7.25	0.25	0.018	89.24	0.14	0.14	0.00
7.30	0.25	0.018	89.25	0.14	0.14	0.00
7.35	0.25	0.019	89.25	0.14	0.14	0.00
7.40	0.26	0.019	89.26	0.14	0.14	0.00
7.45	0.26	0.020	89.26	0.14	0.14	0.00
7.50	0.26	0.020	89.27	0.14	0.14	0.00
7.55	0.26	0.021	89.28	0.14	0.14	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.26	0.021	89.28	0.15	0.15	0.00
7.65	0.27	0.022	89.29	0.15	0.15	0.00
7.70	0.27	0.022	89.30	0.15	0.15	0.00
7.75	0.27	0.023	89.30	0.15	0.15	0.00
7.80	0.27	0.023	89.31	0.15	0.15	0.00
7.85	0.28	0.024	89.32	0.15	0.15	0.00
7.90	0.28	0.024	89.32	0.15	0.15	0.00
7.95	0.28	0.025	89.33	0.15	0.15	0.00
8.00	0.28	0.025	89.34	0.15	0.15	0.00
8.05	0.28	0.026	89.34	0.16	0.16	0.00
8.10	0.29	0.026	89.35	0.16	0.16	0.00
8.15	0.29	0.027	89.36	0.16	0.16	0.00
8.20	0.29	0.027	89.37	0.16	0.16	0.00
8.25	0.29	0.028	89.37	0.16	0.16	0.00
8.30	0.30	0.029	89.38	0.16	0.16	0.00
8.35	0.30	0.029	89.39	0.16	0.16	0.00
8.40	0.30	0.030	89.40	0.16	0.16	0.00
8.45	0.30	0.030	89.40	0.17	0.17	0.00
8.50	0.30	0.031	89.41	0.17	0.17	0.00
8.55	0.31	0.031	89.42	0.17	0.17	0.00
8.60	0.31	0.032	89.43	0.17	0.17	0.00
8.65	0.31	0.033	89.43	0.17	0.17	0.00
8.70	0.31	0.033	89.44	0.17	0.17	0.00
8.75	0.32	0.034	89.45	0.17	0.17	0.00
8.80	0.32	0.034	89.46	0.17	0.17	0.00
8.85	0.32	0.035	89.47	0.18	0.18	0.00
8.90	0.32	0.035	89.47	0.18	0.18	0.00
8.95	0.32	0.036	89.48	0.18	0.18	0.00
9.00	0.33	0.037	89.49	0.18	0.18	0.00
9.05	0.33	0.037	89.50	0.18	0.18	0.00
9.10	0.33	0.038	89.51	0.18	0.18	0.00
9.15	0.34	0.039	89.51	0.18	0.18	0.00
9.20	0.34	0.039	89.52	0.19	0.19	0.00
9.25	0.35	0.040	89.53	0.19	0.19	0.00
9.30	0.35	0.040	89.54	0.19	0.19	0.00
9.35	0.36	0.041	89.55	0.19	0.19	0.00
9.40	0.37	0.042	89.56	0.19	0.19	0.00
9.45	0.37	0.043	89.57	0.19	0.19	0.00
9.50	0.38	0.043	89.58	0.20	0.20	0.00
9.55	0.39	0.044	89.59	0.20	0.20	0.00
9.60	0.39	0.045	89.60	0.20	0.20	0.00
9.65	0.40	0.046	89.61	0.20	0.20	0.00
9.70	0.41	0.047	89.62	0.20	0.20	0.00
9.75	0.41	0.047	89.63	0.20	0.20	0.00
9.80	0.42	0.048	89.64	0.21	0.21	0.00
9.85	0.43	0.049	89.66	0.21	0.21	0.00
9.90	0.44	0.050	89.67	0.21	0.21	0.00
9.95	0.44	0.051	89.68	0.21	0.21	0.00
10.00	0.45	0.052	89.69	0.22	0.22	0.00
10.05	0.46	0.053	89.71	0.22	0.22	0.00
10.10	0.46	0.054	89.72	0.22	0.22	0.00
10.15	0.47	0.055	89.73	0.22	0.22	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.48	0.056	89.75	0.23	0.23	0.00
10.25	0.49	0.057	89.76	0.23	0.23	0.00
10.30	0.49	0.058	89.78	0.23	0.23	0.00
10.35	0.50	0.059	89.79	0.23	0.23	0.00
10.40	0.51	0.060	89.80	0.24	0.24	0.00
10.45	0.51	0.061	89.82	0.24	0.24	0.00
10.50	0.52	0.063	89.83	0.24	0.24	0.00
10.55	0.53	0.064	89.85	0.24	0.24	0.00
10.60	0.54	0.065	89.87	0.25	0.25	0.00
10.65	0.56	0.066	89.88	0.25	0.25	0.00
10.70	0.57	0.068	89.90	0.25	0.25	0.00
10.75	0.59	0.069	89.92	0.26	0.26	0.00
10.80	0.61	0.070	89.94	0.26	0.26	0.00
10.85	0.63	0.072	89.96	0.26	0.26	0.00
10.90	0.66	0.073	89.98	0.27	0.27	0.00
10.95	0.68	0.075	90.00	0.27	0.27	0.00
11.00	0.70	0.077	90.01	0.28	0.28	0.00
11.05	0.73	0.078	90.03	0.28	0.28	0.00
11.10	0.75	0.080	90.04	0.28	0.28	0.00
11.15	0.78	0.082	90.06	0.28	0.28	0.00
11.20	0.82	0.085	90.08	0.29	0.29	0.00
11.25	0.85	0.087	90.09	0.29	0.29	0.00
11.30	0.89	0.089	90.11	0.29	0.29	0.00
11.35	0.93	0.092	90.13	0.30	0.30	0.00
11.40	0.96	0.094	90.15	0.30	0.30	0.00
11.45	1.00	0.097	90.18	0.31	0.31	0.00
11.50	1.04	0.100	90.20	0.31	0.31	0.00
11.55	1.09	0.103	90.23	0.32	0.32	0.00
11.60	1.16	0.107	90.25	0.32	0.32	0.00
11.65	1.25	0.110	90.28	0.33	0.33	0.00
11.70	1.34	0.114	90.31	0.33	0.33	0.00
11.75	1.43	0.119	90.35	0.34	0.34	0.00
11.80	1.57	0.123	90.39	0.35	0.35	0.00
11.85	1.77	0.129	90.43	0.36	0.36	0.00
11.90	2.03	0.135	90.48	0.37	0.37	0.00
11.95	2.40	0.143	90.54	0.39	0.38	0.00
12.00	2.97	0.152	90.62	0.42	0.40	0.03
12.05	3.77	0.164	90.71	0.49	0.42	0.07
12.10	4.90	0.180	90.84	0.55	0.44	0.11
12.15	6.06	0.200	91.00	0.62	0.48	0.14
12.20	6.40	0.223	91.13	0.68	0.51	0.17
12.25	6.08	0.246	91.26	0.73	0.54	0.19
12.30	5.64	0.267	91.38	0.77	0.57	0.21
12.35	5.20	0.286	91.49	0.81	0.59	0.22
12.40	4.77	0.304	91.59	0.85	0.61	0.23
12.45	4.36	0.319	91.68	0.88	0.63	0.24
12.50	3.99	0.332	91.76	0.90	0.65	0.25
12.55	3.68	0.345	91.83	0.93	0.67	0.26
12.60	3.39	0.355	91.89	0.95	0.68	0.27
12.65	3.11	0.365	91.94	0.97	0.70	0.27
12.70	2.87	0.373	91.99	0.98	0.71	0.28
12.75	2.66	0.380	92.02	1.00	0.72	0.28

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	2.48	0.387	92.05	1.01	0.72	0.28
12.85	2.34	0.393	92.08	1.01	0.73	0.28
12.90	2.21	0.398	92.10	1.02	0.73	0.29
12.95	2.11	0.403	92.12	1.03	0.74	0.29
13.00	2.01	0.407	92.14	1.04	0.74	0.29
13.05	1.93	0.411	92.16	1.04	0.75	0.29
13.10	1.84	0.414	92.17	1.05	0.75	0.29
13.15	1.76	0.417	92.19	1.05	0.76	0.30
13.20	1.69	0.420	92.20	1.06	0.76	0.30
13.25	1.63	0.423	92.21	1.06	0.76	0.30
13.30	1.58	0.425	92.22	1.06	0.76	0.30
13.35	1.52	0.427	92.23	1.07	0.77	0.30
13.40	1.47	0.429	92.24	1.07	0.77	0.30
13.45	1.43	0.430	92.24	1.07	0.77	0.30
13.50	1.38	0.431	92.25	1.07	0.77	0.30
13.55	1.33	0.433	92.26	1.07	0.77	0.30
13.60	1.29	0.434	92.26	1.08	0.77	0.30
13.65	1.24	0.434	92.26	1.08	0.77	0.30
13.70	1.20	0.435	92.27	1.08	0.78	0.30
13.75	1.17	0.435	92.27	1.08	0.78	0.30
13.80	1.13	0.436	92.27	1.08	0.78	0.30
13.85	1.10	0.436	92.27	1.08	0.78	0.30
13.90	1.08	0.436	92.27	1.08	0.78	0.30
13.95	1.05	0.436	92.27	1.08	0.78	0.30
14.00	1.03	0.436	92.27	1.08	0.78	0.30
14.05	1.00	0.435	92.27	1.08	0.78	0.30
14.10	0.98	0.435	92.27	1.08	0.78	0.30
14.15	0.96	0.435	92.27	1.08	0.78	0.30
14.20	0.94	0.434	92.26	1.08	0.77	0.30
14.25	0.93	0.434	92.26	1.08	0.77	0.30
14.30	0.91	0.433	92.26	1.08	0.77	0.30
14.35	0.89	0.432	92.25	1.07	0.77	0.30
14.40	0.88	0.431	92.25	1.07	0.77	0.30
14.45	0.86	0.431	92.25	1.07	0.77	0.30
14.50	0.85	0.430	92.24	1.07	0.77	0.30
14.55	0.83	0.429	92.24	1.07	0.77	0.30
14.60	0.82	0.428	92.23	1.07	0.77	0.30
14.65	0.81	0.427	92.23	1.07	0.77	0.30
14.70	0.79	0.426	92.22	1.06	0.77	0.30
14.75	0.78	0.424	92.22	1.06	0.76	0.30
14.80	0.77	0.423	92.21	1.06	0.76	0.30
14.85	0.75	0.422	92.21	1.06	0.76	0.30
14.90	0.74	0.421	92.20	1.06	0.76	0.30
14.95	0.73	0.419	92.20	1.05	0.76	0.30
15.00	0.71	0.418	92.19	1.05	0.76	0.30
15.05	0.70	0.417	92.18	1.05	0.76	0.30
15.10	0.69	0.415	92.18	1.05	0.75	0.29
15.15	0.68	0.414	92.17	1.05	0.75	0.29
15.20	0.66	0.412	92.16	1.04	0.75	0.29
15.25	0.65	0.410	92.16	1.04	0.75	0.29
15.30	0.65	0.409	92.15	1.04	0.75	0.29
15.35	0.64	0.407	92.14	1.04	0.75	0.29

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.63	0.406	92.14	1.03	0.74	0.29
15.45	0.62	0.404	92.13	1.03	0.74	0.29
15.50	0.62	0.402	92.12	1.03	0.74	0.29
15.55	0.61	0.400	92.11	1.03	0.74	0.29
15.60	0.60	0.399	92.11	1.02	0.74	0.29
15.65	0.60	0.397	92.10	1.02	0.73	0.29
15.70	0.59	0.395	92.09	1.02	0.73	0.29
15.75	0.59	0.393	92.08	1.02	0.73	0.29
15.80	0.58	0.392	92.07	1.01	0.73	0.28
15.85	0.58	0.390	92.07	1.01	0.73	0.28
15.90	0.58	0.388	92.06	1.01	0.72	0.28
15.95	0.57	0.386	92.05	1.00	0.72	0.28
16.00	0.57	0.385	92.04	1.00	0.72	0.28
16.05	0.56	0.383	92.03	1.00	0.72	0.28
16.10	0.56	0.381	92.03	1.00	0.72	0.28
16.15	0.55	0.379	92.02	0.99	0.71	0.28
16.20	0.55	0.377	92.01	0.99	0.71	0.28
16.25	0.55	0.376	92.00	0.99	0.71	0.28
16.30	0.54	0.374	91.99	0.98	0.71	0.28
16.35	0.54	0.372	91.98	0.98	0.71	0.28
16.40	0.54	0.370	91.97	0.98	0.70	0.27
16.45	0.53	0.368	91.96	0.97	0.70	0.27
16.50	0.53	0.366	91.95	0.97	0.70	0.27
16.55	0.52	0.365	91.94	0.97	0.70	0.27
16.60	0.52	0.363	91.93	0.96	0.69	0.27
16.65	0.52	0.361	91.92	0.96	0.69	0.27
16.70	0.51	0.359	91.91	0.96	0.69	0.27
16.75	0.51	0.357	91.90	0.95	0.69	0.27
16.80	0.51	0.355	91.89	0.95	0.68	0.27
16.85	0.50	0.354	91.88	0.95	0.68	0.26
16.90	0.50	0.352	91.87	0.94	0.68	0.26
16.95	0.50	0.350	91.86	0.94	0.68	0.26
17.00	0.49	0.348	91.85	0.93	0.67	0.26
17.05	0.49	0.346	91.84	0.93	0.67	0.26
17.10	0.48	0.344	91.83	0.93	0.67	0.26
17.15	0.48	0.343	91.81	0.92	0.67	0.26
17.20	0.48	0.341	91.80	0.92	0.66	0.26
17.25	0.47	0.339	91.79	0.92	0.66	0.26
17.30	0.47	0.337	91.78	0.91	0.66	0.25
17.35	0.47	0.335	91.77	0.91	0.66	0.25
17.40	0.46	0.333	91.76	0.91	0.65	0.25
17.45	0.46	0.332	91.75	0.90	0.65	0.25
17.50	0.46	0.330	91.74	0.90	0.65	0.25
17.55	0.45	0.328	91.73	0.89	0.65	0.25
17.60	0.45	0.326	91.72	0.89	0.64	0.25
17.65	0.45	0.324	91.71	0.89	0.64	0.25
17.70	0.44	0.322	91.70	0.88	0.64	0.25
17.75	0.44	0.321	91.69	0.88	0.64	0.24
17.80	0.43	0.319	91.68	0.88	0.63	0.24
17.85	0.43	0.317	91.67	0.87	0.63	0.24
17.90	0.43	0.315	91.66	0.87	0.63	0.24
17.95	0.42	0.313	91.65	0.87	0.63	0.24

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.42	0.312	91.64	0.86	0.62	0.24
18.05	0.42	0.310	91.63	0.86	0.62	0.24
18.10	0.41	0.308	91.62	0.85	0.62	0.24
18.15	0.41	0.306	91.61	0.85	0.62	0.23
18.20	0.40	0.304	91.60	0.85	0.61	0.23
18.25	0.40	0.302	91.59	0.84	0.61	0.23
18.30	0.40	0.301	91.57	0.84	0.61	0.23
18.35	0.40	0.299	91.56	0.84	0.61	0.23
18.40	0.39	0.297	91.55	0.83	0.60	0.23
18.45	0.39	0.295	91.54	0.83	0.60	0.23
18.50	0.39	0.293	91.53	0.82	0.60	0.23
18.55	0.39	0.292	91.52	0.82	0.60	0.22
18.60	0.39	0.290	91.51	0.82	0.59	0.22
18.65	0.39	0.288	91.50	0.81	0.59	0.22
18.70	0.38	0.286	91.49	0.81	0.59	0.22
18.75	0.38	0.284	91.48	0.81	0.59	0.22
18.80	0.38	0.283	91.47	0.80	0.59	0.22
18.85	0.38	0.281	91.46	0.80	0.58	0.22
18.90	0.38	0.279	91.45	0.80	0.58	0.22
18.95	0.38	0.278	91.44	0.79	0.58	0.21
19.00	0.38	0.276	91.43	0.79	0.58	0.21
19.05	0.38	0.274	91.42	0.79	0.57	0.21
19.10	0.37	0.272	91.41	0.78	0.57	0.21
19.15	0.37	0.271	91.40	0.78	0.57	0.21
19.20	0.37	0.269	91.39	0.77	0.57	0.21
19.25	0.37	0.267	91.39	0.77	0.57	0.21
19.30	0.37	0.266	91.38	0.77	0.56	0.20
19.35	0.37	0.264	91.37	0.76	0.56	0.20
19.40	0.37	0.263	91.36	0.76	0.56	0.20
19.45	0.37	0.261	91.35	0.76	0.56	0.20
19.50	0.37	0.259	91.34	0.75	0.55	0.20
19.55	0.37	0.258	91.33	0.75	0.55	0.20
19.60	0.36	0.256	91.32	0.75	0.55	0.20
19.65	0.36	0.255	91.31	0.74	0.55	0.20
19.70	0.36	0.253	91.30	0.74	0.55	0.19
19.75	0.36	0.251	91.29	0.74	0.54	0.19
19.80	0.36	0.250	91.29	0.73	0.54	0.19
19.85	0.36	0.248	91.28	0.73	0.54	0.19
19.90	0.36	0.247	91.27	0.73	0.54	0.19
19.95	0.36	0.245	91.26	0.72	0.54	0.19
20.00	0.36	0.244	91.25	0.72	0.53	0.19
20.05	0.36	0.242	91.24	0.72	0.53	0.19
20.10	0.36	0.241	91.23	0.71	0.53	0.18
20.15	0.36	0.239	91.22	0.71	0.53	0.18
20.20	0.35	0.238	91.22	0.71	0.53	0.18
20.25	0.35	0.236	91.21	0.71	0.53	0.18
20.30	0.35	0.235	91.20	0.70	0.52	0.18
20.35	0.35	0.234	91.19	0.70	0.52	0.18
20.40	0.35	0.232	91.18	0.70	0.52	0.18
20.45	0.35	0.231	91.18	0.69	0.52	0.18
20.50	0.35	0.229	91.17	0.69	0.52	0.17
20.55	0.35	0.228	91.16	0.69	0.51	0.17

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.35	0.226	91.15	0.68	0.51	0.17
20.65	0.35	0.225	91.14	0.68	0.51	0.17
20.70	0.35	0.224	91.14	0.68	0.51	0.17
20.75	0.34	0.222	91.13	0.67	0.51	0.17
20.80	0.34	0.221	91.12	0.67	0.51	0.17
20.85	0.34	0.220	91.11	0.67	0.50	0.16
20.90	0.34	0.218	91.10	0.67	0.50	0.16
20.95	0.34	0.217	91.10	0.66	0.50	0.16
21.00	0.34	0.216	91.09	0.66	0.50	0.16
21.05	0.34	0.214	91.08	0.66	0.50	0.16
21.10	0.34	0.213	91.07	0.65	0.50	0.16
21.15	0.34	0.212	91.07	0.65	0.49	0.16
21.20	0.34	0.210	91.06	0.65	0.49	0.16
21.25	0.34	0.209	91.05	0.64	0.49	0.15
21.30	0.34	0.208	91.04	0.64	0.49	0.15
21.35	0.33	0.207	91.04	0.64	0.49	0.15
21.40	0.33	0.205	91.03	0.64	0.49	0.15
21.45	0.33	0.204	91.02	0.63	0.48	0.15
21.50	0.33	0.203	91.02	0.63	0.48	0.15
21.55	0.33	0.202	91.01	0.63	0.48	0.15
21.60	0.33	0.200	91.00	0.62	0.48	0.15
21.65	0.33	0.199	90.99	0.62	0.48	0.14
21.70	0.33	0.198	90.98	0.62	0.48	0.14
21.75	0.33	0.197	90.97	0.61	0.47	0.14
21.80	0.33	0.196	90.96	0.61	0.47	0.14
21.85	0.33	0.194	90.96	0.60	0.47	0.14
21.90	0.32	0.193	90.95	0.60	0.47	0.13
21.95	0.32	0.192	90.94	0.60	0.47	0.13
22.00	0.32	0.191	90.93	0.59	0.46	0.13
22.05	0.32	0.190	90.92	0.59	0.46	0.13
22.10	0.32	0.189	90.91	0.59	0.46	0.13
22.15	0.32	0.188	90.90	0.58	0.46	0.12
22.20	0.32	0.187	90.89	0.58	0.46	0.12
22.25	0.32	0.186	90.88	0.57	0.45	0.12
22.30	0.32	0.185	90.88	0.57	0.45	0.12
22.35	0.32	0.184	90.87	0.57	0.45	0.12
22.40	0.32	0.182	90.86	0.56	0.45	0.11
22.45	0.31	0.181	90.85	0.56	0.45	0.11
22.50	0.31	0.180	90.84	0.56	0.44	0.11
22.55	0.31	0.179	90.84	0.55	0.44	0.11
22.60	0.31	0.178	90.83	0.55	0.44	0.11
22.65	0.31	0.178	90.82	0.54	0.44	0.10
22.70	0.31	0.177	90.81	0.54	0.44	0.10
22.75	0.31	0.176	90.81	0.54	0.44	0.10
22.80	0.31	0.175	90.80	0.53	0.43	0.10
22.85	0.31	0.174	90.79	0.53	0.43	0.10
22.90	0.31	0.173	90.78	0.53	0.43	0.09
22.95	0.31	0.172	90.78	0.52	0.43	0.09
23.00	0.30	0.171	90.77	0.52	0.43	0.09
23.05	0.30	0.170	90.76	0.51	0.43	0.09
23.10	0.30	0.169	90.75	0.51	0.43	0.08
23.15	0.30	0.168	90.75	0.51	0.42	0.08

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.30	0.168	90.74	0.50	0.42	0.08
23.25	0.30	0.167	90.73	0.50	0.42	0.08
23.30	0.30	0.166	90.73	0.49	0.42	0.07
23.35	0.30	0.165	90.72	0.49	0.42	0.07
23.40	0.30	0.164	90.72	0.49	0.42	0.07
23.45	0.30	0.164	90.71	0.48	0.42	0.07
23.50	0.29	0.163	90.70	0.48	0.41	0.07
23.55	0.29	0.162	90.70	0.48	0.41	0.06
23.60	0.29	0.161	90.69	0.47	0.41	0.06
23.65	0.29	0.161	90.68	0.47	0.41	0.06
23.70	0.29	0.160	90.68	0.46	0.41	0.05
23.75	0.29	0.159	90.67	0.46	0.41	0.05
23.80	0.29	0.158	90.67	0.46	0.41	0.05
23.85	0.29	0.158	90.66	0.45	0.41	0.05
23.90	0.29	0.157	90.66	0.45	0.40	0.04
23.95	0.29	0.156	90.65	0.45	0.40	0.04
24.00	0.29	0.156	90.65	0.44	0.40	0.04
24.05	0.28	0.155	90.64	0.44	0.40	0.04
24.10	0.26	0.155	90.64	0.44	0.40	0.03
24.15	0.23	0.154	90.63	0.43	0.40	0.03
24.20	0.21	0.153	90.62	0.43	0.40	0.03
24.25	0.18	0.152	90.62	0.42	0.40	0.03
24.30	0.16	0.151	90.61	0.42	0.39	0.02
24.35	0.14	0.150	90.60	0.41	0.39	0.02
24.40	0.12	0.149	90.59	0.41	0.39	0.02
24.45	0.11	0.147	90.58	0.40	0.39	0.01
24.50	0.09	0.146	90.57	0.40	0.39	0.01
24.55	0.08	0.145	90.56	0.39	0.38	0.01
24.60	0.07	0.144	90.55	0.39	0.38	0.01
24.65	0.06	0.142	90.54	0.38	0.38	0.00
24.70	0.06	0.141	90.53	0.38	0.38	0.00
24.75	0.05	0.140	90.52	0.38	0.38	0.00
24.80	0.05	0.138	90.51	0.37	0.37	0.00
24.85	0.04	0.137	90.50	0.37	0.37	0.00
24.90	0.04	0.136	90.48	0.37	0.37	0.00
24.95	0.03	0.134	90.47	0.37	0.37	0.00
25.00	0.03	0.133	90.46	0.36	0.36	0.00
25.05	0.03	0.131	90.45	0.36	0.36	0.00
25.10	0.02	0.130	90.44	0.36	0.36	0.00
25.15	0.02	0.129	90.43	0.36	0.36	0.00
25.20	0.02	0.127	90.42	0.36	0.36	0.00
25.25	0.02	0.126	90.41	0.35	0.35	0.00
25.30	0.02	0.125	90.40	0.35	0.35	0.00
25.35	0.01	0.123	90.38	0.35	0.35	0.00
25.40	0.01	0.122	90.37	0.35	0.35	0.00
25.45	0.01	0.120	90.36	0.34	0.34	0.00
25.50	0.01	0.119	90.35	0.34	0.34	0.00
25.55	0.01	0.118	90.34	0.34	0.34	0.00
25.60	0.01	0.116	90.33	0.34	0.34	0.00
25.65	0.01	0.115	90.32	0.34	0.34	0.00
25.70	0.01	0.114	90.31	0.33	0.33	0.00
25.75	0.01	0.112	90.30	0.33	0.33	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.111	90.29	0.33	0.33	0.00
25.85	0.00	0.110	90.28	0.33	0.33	0.00
25.90	0.00	0.108	90.27	0.32	0.32	0.00
25.95	0.00	0.107	90.25	0.32	0.32	0.00
26.00	0.00	0.106	90.24	0.32	0.32	0.00
26.05	0.00	0.104	90.23	0.32	0.32	0.00
26.10	0.00	0.103	90.22	0.32	0.32	0.00
26.15	0.00	0.102	90.21	0.31	0.31	0.00
26.20	0.00	0.100	90.20	0.31	0.31	0.00
26.25	0.00	0.099	90.19	0.31	0.31	0.00
26.30	0.00	0.098	90.18	0.31	0.31	0.00
26.35	0.00	0.097	90.17	0.31	0.31	0.00
26.40	0.00	0.095	90.16	0.30	0.30	0.00
26.45	0.00	0.094	90.15	0.30	0.30	0.00
26.50	0.00	0.093	90.14	0.30	0.30	0.00
26.55	0.00	0.092	90.13	0.30	0.30	0.00
26.60	0.00	0.090	90.12	0.30	0.30	0.00
26.65	0.00	0.089	90.11	0.29	0.29	0.00
26.70	0.00	0.088	90.10	0.29	0.29	0.00
26.75	0.00	0.087	90.09	0.29	0.29	0.00
26.80	0.00	0.086	90.08	0.29	0.29	0.00
26.85	0.00	0.084	90.07	0.29	0.29	0.00
26.90	0.00	0.083	90.07	0.29	0.29	0.00
26.95	0.00	0.082	90.06	0.28	0.28	0.00
27.00	0.00	0.081	90.05	0.28	0.28	0.00
27.05	0.00	0.080	90.04	0.28	0.28	0.00
27.10	0.00	0.078	90.03	0.28	0.28	0.00
27.15	0.00	0.077	90.02	0.28	0.28	0.00
27.20	0.00	0.076	90.01	0.27	0.27	0.00
27.25	0.00	0.075	90.00	0.27	0.27	0.00
27.30	0.00	0.074	89.99	0.27	0.27	0.00
27.35	0.00	0.073	89.97	0.27	0.27	0.00
27.40	0.00	0.072	89.96	0.26	0.26	0.00
27.45	0.00	0.071	89.94	0.26	0.26	0.00
27.50	0.00	0.070	89.93	0.26	0.26	0.00
27.55	0.00	0.069	89.91	0.26	0.26	0.00
27.60	0.00	0.067	89.90	0.25	0.25	0.00
27.65	0.00	0.066	89.89	0.25	0.25	0.00
27.70	0.00	0.065	89.87	0.25	0.25	0.00
27.75	0.00	0.064	89.86	0.25	0.25	0.00
27.80	0.00	0.063	89.84	0.24	0.24	0.00
27.85	0.00	0.062	89.83	0.24	0.24	0.00
27.90	0.00	0.061	89.82	0.24	0.24	0.00
27.95	0.00	0.060	89.81	0.24	0.24	0.00
28.00	0.00	0.059	89.79	0.23	0.23	0.00
28.05	0.00	0.058	89.78	0.23	0.23	0.00
28.10	0.00	0.057	89.77	0.23	0.23	0.00
28.15	0.00	0.057	89.75	0.23	0.23	0.00
28.20	0.00	0.056	89.74	0.22	0.22	0.00
28.25	0.00	0.055	89.73	0.22	0.22	0.00
28.30	0.00	0.054	89.72	0.22	0.22	0.00
28.35	0.00	0.053	89.71	0.22	0.22	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.052	89.69	0.22	0.22	0.00
28.45	0.00	0.051	89.68	0.21	0.21	0.00
28.50	0.00	0.050	89.67	0.21	0.21	0.00
28.55	0.00	0.049	89.66	0.21	0.21	0.00
28.60	0.00	0.048	89.65	0.21	0.21	0.00
28.65	0.00	0.048	89.64	0.21	0.21	0.00
28.70	0.00	0.047	89.62	0.20	0.20	0.00
28.75	0.00	0.046	89.61	0.20	0.20	0.00
28.80	0.00	0.045	89.60	0.20	0.20	0.00
28.85	0.00	0.044	89.59	0.20	0.20	0.00
28.90	0.00	0.043	89.58	0.20	0.20	0.00
28.95	0.00	0.043	89.57	0.19	0.19	0.00
29.00	0.00	0.042	89.56	0.19	0.19	0.00
29.05	0.00	0.041	89.55	0.19	0.19	0.00
29.10	0.00	0.040	89.54	0.19	0.19	0.00
29.15	0.00	0.040	89.53	0.19	0.19	0.00
29.20	0.00	0.039	89.52	0.18	0.18	0.00
29.25	0.00	0.038	89.51	0.18	0.18	0.00
29.30	0.00	0.037	89.50	0.18	0.18	0.00
29.35	0.00	0.037	89.49	0.18	0.18	0.00
29.40	0.00	0.036	89.48	0.18	0.18	0.00
29.45	0.00	0.035	89.47	0.18	0.18	0.00
29.50	0.00	0.034	89.46	0.17	0.17	0.00
29.55	0.00	0.034	89.45	0.17	0.17	0.00
29.60	0.00	0.033	89.44	0.17	0.17	0.00
29.65	0.00	0.032	89.43	0.17	0.17	0.00
29.70	0.00	0.032	89.42	0.17	0.17	0.00
29.75	0.00	0.031	89.41	0.17	0.17	0.00
29.80	0.00	0.030	89.40	0.16	0.16	0.00
29.85	0.00	0.029	89.39	0.16	0.16	0.00
29.90	0.00	0.029	89.38	0.16	0.16	0.00
29.95	0.00	0.028	89.37	0.16	0.16	0.00
30.00	0.00	0.027	89.37	0.16	0.16	0.00

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Summary for Pond Basin 2: Basin 2

Inflow Area = 3.200 ac, 35.94% Impervious, Inflow Depth > 4.17" for 100 year event
 Inflow = 6.66 cfs @ 12.20 hrs, Volume= 1.113 af
 Outflow = 1.11 cfs @ 13.86 hrs, Volume= 1.102 af, Atten= 83%, Lag= 99.6 min
 Discarded = 0.90 cfs @ 13.86 hrs, Volume= 0.997 af
 Primary = 0.22 cfs @ 13.86 hrs, Volume= 0.105 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 89.46' @ 13.86 hrs Surf.Area= 0.262 ac Storage= 0.432 af

Plug-Flow detention time= 229.7 min calculated for 1.102 af (99% of inflow)
 Center-of-Mass det. time= 223.2 min (1,058.1 - 835.0)

Volume	Invert	Avail.Storage	Storage Description
#1	87.00'	1.330 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
87.00	0.090	0.000	0.000
88.00	0.150	0.120	0.120
89.00	0.230	0.190	0.310
90.00	0.300	0.265	0.575
91.00	0.380	0.340	0.915
92.00	0.450	0.415	1.330

Device	Routing	Invert	Outlet Devices
#1	Discarded	87.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 85.00'
#2	Primary	88.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	91.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.90 cfs @ 13.86 hrs HW=89.46' (Free Discharge)
 ↳ **1=Exfiltration** (Controls 0.90 cfs)

Primary OutFlow Max=0.22 cfs @ 13.86 hrs HW=89.46' (Free Discharge)
 ↳ **2=Orifice/Grate** (Orifice Controls 0.22 cfs @ 4.40 fps)
 ↳ **3=Orifice/Grate** (Controls 0.00 cfs)

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Hydrograph for Pond Basin 2: Basin 2

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.19	0.000	87.00	0.01	0.01	0.00
5.05	0.19	0.001	87.01	0.03	0.03	0.00
5.10	0.20	0.002	87.01	0.05	0.05	0.00
5.15	0.20	0.002	87.02	0.07	0.07	0.00
5.20	0.20	0.003	87.02	0.09	0.09	0.00
5.25	0.20	0.003	87.03	0.10	0.10	0.00
5.30	0.20	0.004	87.03	0.11	0.11	0.00
5.35	0.20	0.004	87.03	0.12	0.12	0.00
5.40	0.20	0.004	87.03	0.13	0.13	0.00
5.45	0.20	0.004	87.04	0.14	0.14	0.00
5.50	0.20	0.005	87.04	0.15	0.15	0.00
5.55	0.20	0.005	87.04	0.16	0.16	0.00
5.60	0.20	0.005	87.04	0.16	0.16	0.00
5.65	0.20	0.005	87.04	0.17	0.17	0.00
5.70	0.20	0.005	87.04	0.17	0.17	0.00
5.75	0.20	0.005	87.05	0.17	0.17	0.00
5.80	0.21	0.006	87.05	0.18	0.18	0.00
5.85	0.21	0.006	87.05	0.18	0.18	0.00
5.90	0.21	0.006	87.05	0.19	0.19	0.00
5.95	0.21	0.006	87.05	0.19	0.19	0.00
6.00	0.21	0.006	87.05	0.19	0.19	0.00
6.05	0.21	0.006	87.05	0.19	0.19	0.00
6.10	0.21	0.006	87.05	0.19	0.19	0.00
6.15	0.21	0.006	87.05	0.19	0.19	0.00
6.20	0.21	0.006	87.05	0.19	0.19	0.00
6.25	0.21	0.006	87.05	0.19	0.19	0.00
6.30	0.22	0.006	87.05	0.19	0.19	0.00
6.35	0.22	0.007	87.05	0.19	0.19	0.00
6.40	0.22	0.007	87.06	0.19	0.19	0.00
6.45	0.22	0.007	87.06	0.19	0.19	0.00
6.50	0.22	0.007	87.06	0.19	0.19	0.00
6.55	0.23	0.007	87.06	0.19	0.19	0.00
6.60	0.23	0.007	87.06	0.19	0.19	0.00
6.65	0.23	0.007	87.06	0.19	0.19	0.00
6.70	0.23	0.007	87.06	0.19	0.19	0.00
6.75	0.24	0.008	87.06	0.19	0.19	0.00
6.80	0.24	0.008	87.06	0.20	0.20	0.00
6.85	0.24	0.008	87.07	0.20	0.20	0.00
6.90	0.24	0.008	87.07	0.20	0.20	0.00
6.95	0.25	0.008	87.07	0.20	0.20	0.00
7.00	0.25	0.009	87.07	0.20	0.20	0.00
7.05	0.25	0.009	87.07	0.20	0.20	0.00
7.10	0.25	0.009	87.08	0.20	0.20	0.00
7.15	0.25	0.009	87.08	0.20	0.20	0.00
7.20	0.26	0.009	87.08	0.20	0.20	0.00
7.25	0.26	0.010	87.08	0.20	0.20	0.00
7.30	0.26	0.010	87.08	0.20	0.20	0.00
7.35	0.26	0.010	87.09	0.20	0.20	0.00
7.40	0.27	0.011	87.09	0.20	0.20	0.00
7.45	0.27	0.011	87.09	0.20	0.20	0.00
7.50	0.27	0.011	87.09	0.20	0.20	0.00
7.55	0.27	0.011	87.09	0.20	0.20	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.28	0.012	87.10	0.20	0.20	0.00
7.65	0.28	0.012	87.10	0.20	0.20	0.00
7.70	0.28	0.012	87.10	0.20	0.20	0.00
7.75	0.28	0.013	87.11	0.20	0.20	0.00
7.80	0.29	0.013	87.11	0.20	0.20	0.00
7.85	0.29	0.013	87.11	0.21	0.21	0.00
7.90	0.29	0.014	87.11	0.21	0.21	0.00
7.95	0.29	0.014	87.12	0.21	0.21	0.00
8.00	0.29	0.014	87.12	0.21	0.21	0.00
8.05	0.30	0.015	87.12	0.21	0.21	0.00
8.10	0.30	0.015	87.13	0.21	0.21	0.00
8.15	0.30	0.015	87.13	0.21	0.21	0.00
8.20	0.30	0.016	87.13	0.21	0.21	0.00
8.25	0.31	0.016	87.14	0.21	0.21	0.00
8.30	0.31	0.017	87.14	0.21	0.21	0.00
8.35	0.31	0.017	87.14	0.21	0.21	0.00
8.40	0.31	0.017	87.15	0.21	0.21	0.00
8.45	0.32	0.018	87.15	0.21	0.21	0.00
8.50	0.32	0.018	87.15	0.21	0.21	0.00
8.55	0.32	0.019	87.16	0.22	0.22	0.00
8.60	0.32	0.019	87.16	0.22	0.22	0.00
8.65	0.32	0.020	87.16	0.22	0.22	0.00
8.70	0.33	0.020	87.17	0.22	0.22	0.00
8.75	0.33	0.021	87.17	0.22	0.22	0.00
8.80	0.33	0.021	87.17	0.22	0.22	0.00
8.85	0.33	0.021	87.18	0.22	0.22	0.00
8.90	0.34	0.022	87.18	0.22	0.22	0.00
8.95	0.34	0.022	87.19	0.22	0.22	0.00
9.00	0.34	0.023	87.19	0.22	0.22	0.00
9.05	0.34	0.023	87.19	0.22	0.22	0.00
9.10	0.35	0.024	87.20	0.22	0.22	0.00
9.15	0.35	0.024	87.20	0.23	0.23	0.00
9.20	0.36	0.025	87.21	0.23	0.23	0.00
9.25	0.36	0.025	87.21	0.23	0.23	0.00
9.30	0.37	0.026	87.22	0.23	0.23	0.00
9.35	0.38	0.027	87.22	0.23	0.23	0.00
9.40	0.38	0.027	87.23	0.23	0.23	0.00
9.45	0.39	0.028	87.23	0.23	0.23	0.00
9.50	0.40	0.029	87.24	0.23	0.23	0.00
9.55	0.40	0.029	87.24	0.23	0.23	0.00
9.60	0.41	0.030	87.25	0.24	0.24	0.00
9.65	0.42	0.031	87.26	0.24	0.24	0.00
9.70	0.43	0.031	87.26	0.24	0.24	0.00
9.75	0.43	0.032	87.27	0.24	0.24	0.00
9.80	0.44	0.033	87.28	0.24	0.24	0.00
9.85	0.45	0.034	87.28	0.24	0.24	0.00
9.90	0.46	0.035	87.29	0.24	0.24	0.00
9.95	0.46	0.036	87.30	0.25	0.25	0.00
10.00	0.47	0.037	87.30	0.25	0.25	0.00
10.05	0.48	0.037	87.31	0.25	0.25	0.00
10.10	0.49	0.038	87.32	0.25	0.25	0.00
10.15	0.49	0.039	87.33	0.25	0.25	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.50	0.040	87.34	0.26	0.26	0.00
10.25	0.51	0.041	87.34	0.26	0.26	0.00
10.30	0.52	0.042	87.35	0.26	0.26	0.00
10.35	0.52	0.043	87.36	0.26	0.26	0.00
10.40	0.53	0.045	87.37	0.26	0.26	0.00
10.45	0.54	0.046	87.38	0.27	0.27	0.00
10.50	0.55	0.047	87.39	0.27	0.27	0.00
10.55	0.55	0.048	87.40	0.27	0.27	0.00
10.60	0.57	0.049	87.41	0.27	0.27	0.00
10.65	0.58	0.050	87.42	0.27	0.27	0.00
10.70	0.60	0.052	87.43	0.28	0.28	0.00
10.75	0.62	0.053	87.44	0.28	0.28	0.00
10.80	0.64	0.055	87.45	0.28	0.28	0.00
10.85	0.66	0.056	87.47	0.29	0.29	0.00
10.90	0.68	0.058	87.48	0.29	0.29	0.00
10.95	0.71	0.059	87.49	0.29	0.29	0.00
11.00	0.73	0.061	87.51	0.30	0.30	0.00
11.05	0.76	0.063	87.52	0.30	0.30	0.00
11.10	0.79	0.065	87.54	0.30	0.30	0.00
11.15	0.82	0.067	87.56	0.31	0.31	0.00
11.20	0.86	0.069	87.58	0.31	0.31	0.00
11.25	0.89	0.071	87.60	0.32	0.32	0.00
11.30	0.93	0.074	87.62	0.32	0.32	0.00
11.35	0.97	0.076	87.64	0.33	0.33	0.00
11.40	1.01	0.079	87.66	0.33	0.33	0.00
11.45	1.05	0.082	87.68	0.34	0.34	0.00
11.50	1.09	0.085	87.71	0.34	0.34	0.00
11.55	1.14	0.088	87.74	0.35	0.35	0.00
11.60	1.21	0.092	87.76	0.36	0.36	0.00
11.65	1.31	0.095	87.79	0.37	0.37	0.00
11.70	1.40	0.099	87.83	0.37	0.37	0.00
11.75	1.50	0.104	87.87	0.38	0.38	0.00
11.80	1.64	0.109	87.91	0.39	0.39	0.00
11.85	1.85	0.114	87.95	0.41	0.41	0.00
11.90	2.12	0.121	88.00	0.42	0.42	0.00
11.95	2.51	0.129	88.05	0.43	0.43	0.00
12.00	3.10	0.138	88.10	0.45	0.45	0.00
12.05	3.93	0.151	88.16	0.47	0.47	0.00
12.10	5.11	0.168	88.25	0.49	0.49	0.00
12.15	6.31	0.189	88.36	0.53	0.53	0.00
12.20	6.66	0.214	88.49	0.57	0.57	0.00
12.25	6.31	0.238	88.62	0.64	0.61	0.03
12.30	5.84	0.260	88.74	0.73	0.65	0.08
12.35	5.38	0.280	88.84	0.80	0.69	0.11
12.40	4.92	0.298	88.94	0.85	0.72	0.13
12.45	4.48	0.314	89.02	0.89	0.75	0.15
12.50	4.10	0.328	89.07	0.92	0.76	0.16
12.55	3.77	0.340	89.11	0.94	0.78	0.17
12.60	3.47	0.351	89.16	0.97	0.79	0.17
12.65	3.18	0.361	89.19	0.98	0.81	0.18
12.70	2.93	0.370	89.23	1.00	0.82	0.18
12.75	2.71	0.377	89.25	1.01	0.83	0.19

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	2.53	0.384	89.28	1.02	0.83	0.19
12.85	2.38	0.390	89.30	1.04	0.84	0.19
12.90	2.25	0.395	89.32	1.04	0.85	0.20
12.95	2.14	0.400	89.34	1.05	0.85	0.20
13.00	2.04	0.404	89.35	1.06	0.86	0.20
13.05	1.95	0.408	89.37	1.07	0.86	0.20
13.10	1.87	0.411	89.38	1.07	0.87	0.21
13.15	1.79	0.414	89.39	1.08	0.87	0.21
13.20	1.72	0.417	89.40	1.08	0.88	0.21
13.25	1.65	0.420	89.41	1.09	0.88	0.21
13.30	1.60	0.422	89.42	1.09	0.88	0.21
13.35	1.54	0.424	89.43	1.10	0.88	0.21
13.40	1.49	0.426	89.44	1.10	0.89	0.21
13.45	1.44	0.427	89.44	1.10	0.89	0.21
13.50	1.40	0.428	89.45	1.10	0.89	0.21
13.55	1.35	0.429	89.45	1.11	0.89	0.21
13.60	1.30	0.430	89.45	1.11	0.89	0.22
13.65	1.26	0.431	89.46	1.11	0.89	0.22
13.70	1.22	0.432	89.46	1.11	0.89	0.22
13.75	1.18	0.432	89.46	1.11	0.90	0.22
13.80	1.15	0.432	89.46	1.11	0.90	0.22
13.85	1.12	0.432	89.46	1.11	0.90	0.22
13.90	1.09	0.432	89.46	1.11	0.90	0.22
13.95	1.06	0.432	89.46	1.11	0.90	0.22
14.00	1.04	0.432	89.46	1.11	0.89	0.22
14.05	1.02	0.431	89.46	1.11	0.89	0.22
14.10	0.99	0.431	89.46	1.11	0.89	0.22
14.15	0.97	0.431	89.45	1.11	0.89	0.22
14.20	0.96	0.430	89.45	1.11	0.89	0.22
14.25	0.94	0.429	89.45	1.11	0.89	0.21
14.30	0.92	0.429	89.45	1.10	0.89	0.21
14.35	0.90	0.428	89.44	1.10	0.89	0.21
14.40	0.89	0.427	89.44	1.10	0.89	0.21
14.45	0.87	0.426	89.44	1.10	0.89	0.21
14.50	0.86	0.425	89.43	1.10	0.89	0.21
14.55	0.84	0.424	89.43	1.10	0.88	0.21
14.60	0.83	0.423	89.43	1.09	0.88	0.21
14.65	0.82	0.422	89.42	1.09	0.88	0.21
14.70	0.80	0.421	89.42	1.09	0.88	0.21
14.75	0.79	0.419	89.41	1.09	0.88	0.21
14.80	0.78	0.418	89.41	1.09	0.88	0.21
14.85	0.76	0.417	89.40	1.08	0.88	0.21
14.90	0.75	0.416	89.40	1.08	0.87	0.21
14.95	0.74	0.414	89.39	1.08	0.87	0.21
15.00	0.72	0.413	89.39	1.08	0.87	0.21
15.05	0.71	0.411	89.38	1.07	0.87	0.21
15.10	0.70	0.410	89.38	1.07	0.87	0.20
15.15	0.68	0.408	89.37	1.07	0.86	0.20
15.20	0.67	0.407	89.36	1.07	0.86	0.20
15.25	0.66	0.405	89.36	1.06	0.86	0.20
15.30	0.65	0.403	89.35	1.06	0.86	0.20
15.35	0.65	0.402	89.35	1.06	0.86	0.20

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.64	0.400	89.34	1.05	0.85	0.20
15.45	0.63	0.398	89.33	1.05	0.85	0.20
15.50	0.62	0.396	89.33	1.05	0.85	0.20
15.55	0.62	0.395	89.32	1.04	0.85	0.20
15.60	0.61	0.393	89.31	1.04	0.85	0.20
15.65	0.61	0.391	89.31	1.04	0.84	0.20
15.70	0.60	0.389	89.30	1.03	0.84	0.19
15.75	0.60	0.388	89.29	1.03	0.84	0.19
15.80	0.59	0.386	89.29	1.03	0.84	0.19
15.85	0.59	0.384	89.28	1.02	0.83	0.19
15.90	0.58	0.382	89.27	1.02	0.83	0.19
15.95	0.58	0.380	89.27	1.02	0.83	0.19
16.00	0.57	0.378	89.26	1.01	0.83	0.19
16.05	0.57	0.377	89.25	1.01	0.82	0.19
16.10	0.57	0.375	89.24	1.01	0.82	0.19
16.15	0.56	0.373	89.24	1.00	0.82	0.18
16.20	0.56	0.371	89.23	1.00	0.82	0.18
16.25	0.55	0.369	89.22	1.00	0.82	0.18
16.30	0.55	0.368	89.22	0.99	0.81	0.18
16.35	0.55	0.366	89.21	0.99	0.81	0.18
16.40	0.54	0.364	89.20	0.99	0.81	0.18
16.45	0.54	0.362	89.20	0.98	0.81	0.18
16.50	0.54	0.360	89.19	0.98	0.80	0.18
16.55	0.53	0.358	89.18	0.98	0.80	0.18
16.60	0.53	0.356	89.18	0.97	0.80	0.18
16.65	0.52	0.355	89.17	0.97	0.80	0.17
16.70	0.52	0.353	89.16	0.97	0.79	0.17
16.75	0.52	0.351	89.15	0.96	0.79	0.17
16.80	0.51	0.349	89.15	0.96	0.79	0.17
16.85	0.51	0.347	89.14	0.96	0.79	0.17
16.90	0.51	0.345	89.13	0.95	0.79	0.17
16.95	0.50	0.344	89.13	0.95	0.78	0.17
17.00	0.50	0.342	89.12	0.95	0.78	0.17
17.05	0.49	0.340	89.11	0.94	0.78	0.16
17.10	0.49	0.338	89.11	0.94	0.78	0.16
17.15	0.49	0.336	89.10	0.94	0.77	0.16
17.20	0.48	0.334	89.09	0.93	0.77	0.16
17.25	0.48	0.332	89.08	0.93	0.77	0.16
17.30	0.48	0.331	89.08	0.93	0.77	0.16
17.35	0.47	0.329	89.07	0.92	0.76	0.16
17.40	0.47	0.327	89.06	0.92	0.76	0.16
17.45	0.47	0.325	89.06	0.92	0.76	0.16
17.50	0.46	0.323	89.05	0.91	0.76	0.15
17.55	0.46	0.321	89.04	0.91	0.76	0.15
17.60	0.45	0.319	89.04	0.90	0.75	0.15
17.65	0.45	0.318	89.03	0.90	0.75	0.15
17.70	0.45	0.316	89.02	0.90	0.75	0.15
17.75	0.44	0.314	89.01	0.89	0.75	0.15
17.80	0.44	0.312	89.01	0.89	0.74	0.15
17.85	0.44	0.310	89.00	0.89	0.74	0.14
17.90	0.43	0.308	88.99	0.88	0.74	0.14
17.95	0.43	0.306	88.98	0.88	0.73	0.14

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.42	0.305	88.97	0.87	0.73	0.14
18.05	0.42	0.303	88.96	0.87	0.73	0.14
18.10	0.42	0.301	88.95	0.86	0.72	0.14
18.15	0.41	0.299	88.94	0.85	0.72	0.13
18.20	0.41	0.297	88.93	0.85	0.72	0.13
18.25	0.41	0.295	88.92	0.84	0.72	0.13
18.30	0.40	0.294	88.91	0.84	0.71	0.13
18.35	0.40	0.292	88.90	0.83	0.71	0.12
18.40	0.40	0.290	88.89	0.83	0.71	0.12
18.45	0.40	0.288	88.89	0.82	0.70	0.12
18.50	0.40	0.287	88.88	0.82	0.70	0.12
18.55	0.39	0.285	88.87	0.81	0.70	0.12
18.60	0.39	0.283	88.86	0.81	0.69	0.11
18.65	0.39	0.281	88.85	0.80	0.69	0.11
18.70	0.39	0.280	88.84	0.80	0.69	0.11
18.75	0.39	0.278	88.83	0.79	0.68	0.11
18.80	0.39	0.276	88.82	0.79	0.68	0.10
18.85	0.39	0.275	88.81	0.78	0.68	0.10
18.90	0.38	0.273	88.81	0.78	0.68	0.10
18.95	0.38	0.271	88.80	0.77	0.67	0.10
19.00	0.38	0.270	88.79	0.76	0.67	0.10
19.05	0.38	0.268	88.78	0.76	0.67	0.09
19.10	0.38	0.267	88.77	0.75	0.66	0.09
19.15	0.38	0.265	88.76	0.75	0.66	0.09
19.20	0.38	0.264	88.76	0.74	0.66	0.09
19.25	0.38	0.262	88.75	0.74	0.66	0.08
19.30	0.38	0.261	88.74	0.73	0.65	0.08
19.35	0.37	0.259	88.73	0.73	0.65	0.08
19.40	0.37	0.258	88.72	0.72	0.65	0.07
19.45	0.37	0.256	88.72	0.72	0.65	0.07
19.50	0.37	0.255	88.71	0.71	0.64	0.07
19.55	0.37	0.254	88.70	0.71	0.64	0.07
19.60	0.37	0.252	88.70	0.70	0.64	0.06
19.65	0.37	0.251	88.69	0.69	0.64	0.06
19.70	0.37	0.249	88.68	0.69	0.63	0.06
19.75	0.37	0.248	88.67	0.68	0.63	0.05
19.80	0.37	0.247	88.67	0.68	0.63	0.05
19.85	0.37	0.246	88.66	0.67	0.63	0.05
19.90	0.36	0.244	88.65	0.67	0.62	0.04
19.95	0.36	0.243	88.65	0.66	0.62	0.04
20.00	0.36	0.242	88.64	0.66	0.62	0.04
20.05	0.36	0.241	88.63	0.65	0.62	0.03
20.10	0.36	0.239	88.63	0.65	0.62	0.03
20.15	0.36	0.238	88.62	0.64	0.61	0.03
20.20	0.36	0.237	88.62	0.64	0.61	0.03
20.25	0.36	0.236	88.61	0.63	0.61	0.02
20.30	0.36	0.235	88.60	0.63	0.61	0.02
20.35	0.36	0.234	88.60	0.63	0.61	0.02
20.40	0.36	0.233	88.59	0.62	0.60	0.02
20.45	0.35	0.231	88.59	0.62	0.60	0.02
20.50	0.35	0.230	88.58	0.61	0.60	0.01
20.55	0.35	0.229	88.58	0.61	0.60	0.01

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.35	0.228	88.57	0.61	0.60	0.01
20.65	0.35	0.227	88.56	0.60	0.59	0.01
20.70	0.35	0.226	88.56	0.60	0.59	0.01
20.75	0.35	0.225	88.55	0.60	0.59	0.01
20.80	0.35	0.224	88.55	0.59	0.59	0.01
20.85	0.35	0.223	88.54	0.59	0.59	0.00
20.90	0.35	0.222	88.54	0.59	0.59	0.00
20.95	0.35	0.221	88.53	0.59	0.58	0.00
21.00	0.34	0.220	88.53	0.59	0.58	0.00
21.05	0.34	0.219	88.52	0.58	0.58	0.00
21.10	0.34	0.218	88.52	0.58	0.58	0.00
21.15	0.34	0.217	88.51	0.58	0.58	0.00
21.20	0.34	0.216	88.51	0.58	0.58	0.00
21.25	0.34	0.215	88.50	0.57	0.57	0.00
21.30	0.34	0.214	88.50	0.57	0.57	0.00
21.35	0.34	0.213	88.49	0.57	0.57	0.00
21.40	0.34	0.212	88.49	0.57	0.57	0.00
21.45	0.34	0.211	88.48	0.57	0.57	0.00
21.50	0.34	0.210	88.48	0.57	0.57	0.00
21.55	0.33	0.209	88.47	0.56	0.56	0.00
21.60	0.33	0.208	88.47	0.56	0.56	0.00
21.65	0.33	0.208	88.46	0.56	0.56	0.00
21.70	0.33	0.207	88.46	0.56	0.56	0.00
21.75	0.33	0.206	88.45	0.56	0.56	0.00
21.80	0.33	0.205	88.45	0.56	0.56	0.00
21.85	0.33	0.204	88.44	0.55	0.55	0.00
21.90	0.33	0.203	88.44	0.55	0.55	0.00
21.95	0.33	0.202	88.43	0.55	0.55	0.00
22.00	0.33	0.201	88.43	0.55	0.55	0.00
22.05	0.33	0.200	88.42	0.55	0.55	0.00
22.10	0.32	0.199	88.42	0.55	0.55	0.00
22.15	0.32	0.198	88.41	0.55	0.55	0.00
22.20	0.32	0.197	88.41	0.54	0.54	0.00
22.25	0.32	0.196	88.40	0.54	0.54	0.00
22.30	0.32	0.195	88.40	0.54	0.54	0.00
22.35	0.32	0.195	88.39	0.54	0.54	0.00
22.40	0.32	0.194	88.39	0.54	0.54	0.00
22.45	0.32	0.193	88.38	0.54	0.54	0.00
22.50	0.32	0.192	88.38	0.53	0.53	0.00
22.55	0.32	0.191	88.37	0.53	0.53	0.00
22.60	0.32	0.190	88.37	0.53	0.53	0.00
22.65	0.31	0.189	88.36	0.53	0.53	0.00
22.70	0.31	0.188	88.36	0.53	0.53	0.00
22.75	0.31	0.187	88.35	0.53	0.53	0.00
22.80	0.31	0.187	88.35	0.53	0.53	0.00
22.85	0.31	0.186	88.35	0.52	0.52	0.00
22.90	0.31	0.185	88.34	0.52	0.52	0.00
22.95	0.31	0.184	88.34	0.52	0.52	0.00
23.00	0.31	0.183	88.33	0.52	0.52	0.00
23.05	0.31	0.182	88.33	0.52	0.52	0.00
23.10	0.31	0.181	88.32	0.52	0.52	0.00
23.15	0.31	0.180	88.32	0.52	0.52	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.30	0.180	88.31	0.51	0.51	0.00
23.25	0.30	0.179	88.31	0.51	0.51	0.00
23.30	0.30	0.178	88.30	0.51	0.51	0.00
23.35	0.30	0.177	88.30	0.51	0.51	0.00
23.40	0.30	0.176	88.30	0.51	0.51	0.00
23.45	0.30	0.175	88.29	0.51	0.51	0.00
23.50	0.30	0.174	88.29	0.51	0.51	0.00
23.55	0.30	0.173	88.28	0.50	0.50	0.00
23.60	0.30	0.173	88.28	0.50	0.50	0.00
23.65	0.30	0.172	88.27	0.50	0.50	0.00
23.70	0.29	0.171	88.27	0.50	0.50	0.00
23.75	0.29	0.170	88.26	0.50	0.50	0.00
23.80	0.29	0.169	88.26	0.50	0.50	0.00
23.85	0.29	0.168	88.25	0.50	0.50	0.00
23.90	0.29	0.168	88.25	0.49	0.49	0.00
23.95	0.29	0.167	88.25	0.49	0.49	0.00
24.00	0.29	0.166	88.24	0.49	0.49	0.00
24.05	0.29	0.165	88.24	0.49	0.49	0.00
24.10	0.27	0.164	88.23	0.49	0.49	0.00
24.15	0.24	0.163	88.23	0.49	0.49	0.00
24.20	0.21	0.162	88.22	0.49	0.49	0.00
24.25	0.18	0.161	88.22	0.48	0.48	0.00
24.30	0.16	0.160	88.21	0.48	0.48	0.00
24.35	0.14	0.158	88.20	0.48	0.48	0.00
24.40	0.12	0.157	88.19	0.48	0.48	0.00
24.45	0.11	0.155	88.19	0.47	0.47	0.00
24.50	0.09	0.154	88.18	0.47	0.47	0.00
24.55	0.08	0.152	88.17	0.47	0.47	0.00
24.60	0.07	0.151	88.16	0.47	0.47	0.00
24.65	0.06	0.149	88.15	0.46	0.46	0.00
24.70	0.06	0.147	88.14	0.46	0.46	0.00
24.75	0.05	0.146	88.13	0.46	0.46	0.00
24.80	0.04	0.144	88.13	0.46	0.46	0.00
24.85	0.04	0.142	88.12	0.45	0.45	0.00
24.90	0.04	0.140	88.11	0.45	0.45	0.00
24.95	0.03	0.139	88.10	0.45	0.45	0.00
25.00	0.03	0.137	88.09	0.44	0.44	0.00
25.05	0.03	0.135	88.08	0.44	0.44	0.00
25.10	0.02	0.134	88.07	0.44	0.44	0.00
25.15	0.02	0.132	88.06	0.44	0.44	0.00
25.20	0.02	0.130	88.05	0.43	0.43	0.00
25.25	0.02	0.128	88.04	0.43	0.43	0.00
25.30	0.02	0.127	88.04	0.43	0.43	0.00
25.35	0.01	0.125	88.03	0.43	0.43	0.00
25.40	0.01	0.123	88.02	0.42	0.42	0.00
25.45	0.01	0.122	88.01	0.42	0.42	0.00
25.50	0.01	0.120	88.00	0.42	0.42	0.00
25.55	0.01	0.118	87.99	0.41	0.41	0.00
25.60	0.01	0.117	87.97	0.41	0.41	0.00
25.65	0.01	0.115	87.96	0.41	0.41	0.00
25.70	0.01	0.113	87.94	0.40	0.40	0.00
25.75	0.01	0.112	87.93	0.40	0.40	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.110	87.92	0.40	0.40	0.00
25.85	0.00	0.108	87.90	0.39	0.39	0.00
25.90	0.00	0.107	87.89	0.39	0.39	0.00
25.95	0.00	0.105	87.88	0.39	0.39	0.00
26.00	0.00	0.104	87.86	0.38	0.38	0.00
26.05	0.00	0.102	87.85	0.38	0.38	0.00
26.10	0.00	0.100	87.84	0.38	0.38	0.00
26.15	0.00	0.099	87.82	0.37	0.37	0.00
26.20	0.00	0.097	87.81	0.37	0.37	0.00
26.25	0.00	0.096	87.80	0.37	0.37	0.00
26.30	0.00	0.094	87.79	0.36	0.36	0.00
26.35	0.00	0.093	87.77	0.36	0.36	0.00
26.40	0.00	0.091	87.76	0.36	0.36	0.00
26.45	0.00	0.090	87.75	0.35	0.35	0.00
26.50	0.00	0.089	87.74	0.35	0.35	0.00
26.55	0.00	0.087	87.73	0.35	0.35	0.00
26.60	0.00	0.086	87.71	0.35	0.35	0.00
26.65	0.00	0.084	87.70	0.34	0.34	0.00
26.70	0.00	0.083	87.69	0.34	0.34	0.00
26.75	0.00	0.081	87.68	0.34	0.34	0.00
26.80	0.00	0.080	87.67	0.33	0.33	0.00
26.85	0.00	0.079	87.66	0.33	0.33	0.00
26.90	0.00	0.077	87.64	0.33	0.33	0.00
26.95	0.00	0.076	87.63	0.33	0.33	0.00
27.00	0.00	0.075	87.62	0.32	0.32	0.00
27.05	0.00	0.073	87.61	0.32	0.32	0.00
27.10	0.00	0.072	87.60	0.32	0.32	0.00
27.15	0.00	0.071	87.59	0.31	0.31	0.00
27.20	0.00	0.069	87.58	0.31	0.31	0.00
27.25	0.00	0.068	87.57	0.31	0.31	0.00
27.30	0.00	0.067	87.56	0.31	0.31	0.00
27.35	0.00	0.066	87.55	0.30	0.30	0.00
27.40	0.00	0.064	87.54	0.30	0.30	0.00
27.45	0.00	0.063	87.53	0.30	0.30	0.00
27.50	0.00	0.062	87.51	0.30	0.30	0.00
27.55	0.00	0.061	87.50	0.29	0.29	0.00
27.60	0.00	0.059	87.49	0.29	0.29	0.00
27.65	0.00	0.058	87.48	0.29	0.29	0.00
27.70	0.00	0.057	87.47	0.29	0.29	0.00
27.75	0.00	0.056	87.46	0.29	0.29	0.00
27.80	0.00	0.055	87.46	0.28	0.28	0.00
27.85	0.00	0.053	87.45	0.28	0.28	0.00
27.90	0.00	0.052	87.44	0.28	0.28	0.00
27.95	0.00	0.051	87.43	0.28	0.28	0.00
28.00	0.00	0.050	87.42	0.27	0.27	0.00
28.05	0.00	0.049	87.41	0.27	0.27	0.00
28.10	0.00	0.048	87.40	0.27	0.27	0.00
28.15	0.00	0.047	87.39	0.27	0.27	0.00
28.20	0.00	0.046	87.38	0.27	0.27	0.00
28.25	0.00	0.044	87.37	0.26	0.26	0.00
28.30	0.00	0.043	87.36	0.26	0.26	0.00
28.35	0.00	0.042	87.35	0.26	0.26	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.041	87.34	0.26	0.26	0.00
28.45	0.00	0.040	87.33	0.26	0.26	0.00
28.50	0.00	0.039	87.33	0.25	0.25	0.00
28.55	0.00	0.038	87.32	0.25	0.25	0.00
28.60	0.00	0.037	87.31	0.25	0.25	0.00
28.65	0.00	0.036	87.30	0.25	0.25	0.00
28.70	0.00	0.035	87.29	0.25	0.25	0.00
28.75	0.00	0.034	87.28	0.24	0.24	0.00
28.80	0.00	0.033	87.27	0.24	0.24	0.00
28.85	0.00	0.032	87.27	0.24	0.24	0.00
28.90	0.00	0.031	87.26	0.24	0.24	0.00
28.95	0.00	0.030	87.25	0.24	0.24	0.00
29.00	0.00	0.029	87.24	0.23	0.23	0.00
29.05	0.00	0.028	87.23	0.23	0.23	0.00
29.10	0.00	0.027	87.23	0.23	0.23	0.00
29.15	0.00	0.026	87.22	0.23	0.23	0.00
29.20	0.00	0.025	87.21	0.23	0.23	0.00
29.25	0.00	0.024	87.20	0.23	0.23	0.00
29.30	0.00	0.023	87.19	0.22	0.22	0.00
29.35	0.00	0.022	87.19	0.22	0.22	0.00
29.40	0.00	0.022	87.18	0.22	0.22	0.00
29.45	0.00	0.021	87.17	0.22	0.22	0.00
29.50	0.00	0.020	87.16	0.22	0.22	0.00
29.55	0.00	0.019	87.16	0.22	0.22	0.00
29.60	0.00	0.018	87.15	0.21	0.21	0.00
29.65	0.00	0.017	87.14	0.21	0.21	0.00
29.70	0.00	0.016	87.14	0.21	0.21	0.00
29.75	0.00	0.015	87.13	0.21	0.21	0.00
29.80	0.00	0.014	87.12	0.21	0.21	0.00
29.85	0.00	0.014	87.11	0.21	0.21	0.00
29.90	0.00	0.013	87.11	0.20	0.20	0.00
29.95	0.00	0.012	87.10	0.20	0.20	0.00
30.00	0.00	0.011	87.09	0.20	0.20	0.00

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Summary for Pond Basin 3: Basin 3

Inflow Area = 4.500 ac, 26.67% Impervious, Inflow Depth > 3.54" for 100 year event
 Inflow = 7.21 cfs @ 12.21 hrs, Volume= 1.329 af
 Outflow = 1.28 cfs @ 14.13 hrs, Volume= 1.329 af, Atten= 82%, Lag= 115.2 min
 Discarded = 1.10 cfs @ 14.13 hrs, Volume= 1.251 af
 Primary = 0.18 cfs @ 14.13 hrs, Volume= 0.078 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 87.69' @ 14.13 hrs Surf.Area= 0.335 ac Storage= 0.459 af

Plug-Flow detention time= 190.8 min calculated for 1.326 af (100% of inflow)
 Center-of-Mass det. time= 190.4 min (1,042.7 - 852.3)

Volume	Invert	Avail.Storage	Storage Description
#1	86.00'	1.950 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
86.00	0.200	0.000	0.000
87.00	0.280	0.240	0.240
88.00	0.360	0.320	0.560
89.00	0.420	0.390	0.950
90.00	0.500	0.460	1.410
91.00	0.580	0.540	1.950

Device	Routing	Invert	Outlet Devices
#1	Discarded	86.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 84.00'
#2	Primary	87.00'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	88.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=1.10 cfs @ 14.13 hrs HW=87.69' (Free Discharge)
 ↳1=Exfiltration (Controls 1.10 cfs)

Primary OutFlow Max=0.18 cfs @ 14.13 hrs HW=87.69' (Free Discharge)
 ↳2=Orifice/Grate (Orifice Controls 0.18 cfs @ 3.60 fps)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 3: Basin 3

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.20	0.000	86.00	0.01	0.01	0.00
5.05	0.20	0.001	86.00	0.04	0.04	0.00
5.10	0.20	0.002	86.01	0.06	0.06	0.00
5.15	0.20	0.002	86.01	0.08	0.08	0.00
5.20	0.21	0.003	86.01	0.10	0.10	0.00
5.25	0.21	0.003	86.01	0.11	0.11	0.00
5.30	0.21	0.004	86.01	0.12	0.12	0.00
5.35	0.21	0.004	86.02	0.14	0.14	0.00
5.40	0.21	0.004	86.02	0.15	0.15	0.00
5.45	0.21	0.004	86.02	0.15	0.15	0.00
5.50	0.21	0.005	86.02	0.16	0.16	0.00
5.55	0.21	0.005	86.02	0.17	0.17	0.00
5.60	0.21	0.005	86.02	0.17	0.17	0.00
5.65	0.21	0.005	86.02	0.18	0.18	0.00
5.70	0.21	0.005	86.02	0.18	0.18	0.00
5.75	0.21	0.005	86.02	0.19	0.19	0.00
5.80	0.21	0.005	86.02	0.19	0.19	0.00
5.85	0.21	0.006	86.02	0.19	0.19	0.00
5.90	0.22	0.006	86.02	0.20	0.20	0.00
5.95	0.22	0.006	86.02	0.20	0.20	0.00
6.00	0.22	0.006	86.02	0.20	0.20	0.00
6.05	0.22	0.006	86.02	0.20	0.20	0.00
6.10	0.22	0.006	86.02	0.21	0.21	0.00
6.15	0.22	0.006	86.02	0.21	0.21	0.00
6.20	0.22	0.006	86.02	0.21	0.21	0.00
6.25	0.22	0.006	86.03	0.21	0.21	0.00
6.30	0.23	0.006	86.03	0.21	0.21	0.00
6.35	0.23	0.006	86.03	0.22	0.22	0.00
6.40	0.23	0.006	86.03	0.22	0.22	0.00
6.45	0.23	0.006	86.03	0.22	0.22	0.00
6.50	0.23	0.006	86.03	0.22	0.22	0.00
6.55	0.24	0.006	86.03	0.22	0.22	0.00
6.60	0.24	0.006	86.03	0.22	0.22	0.00
6.65	0.24	0.006	86.03	0.23	0.23	0.00
6.70	0.24	0.007	86.03	0.23	0.23	0.00
6.75	0.25	0.007	86.03	0.23	0.23	0.00
6.80	0.25	0.007	86.03	0.23	0.23	0.00
6.85	0.25	0.007	86.03	0.24	0.24	0.00
6.90	0.25	0.007	86.03	0.24	0.24	0.00
6.95	0.26	0.007	86.03	0.24	0.24	0.00
7.00	0.26	0.007	86.03	0.24	0.24	0.00
7.05	0.26	0.007	86.03	0.25	0.25	0.00
7.10	0.26	0.007	86.03	0.25	0.25	0.00
7.15	0.27	0.007	86.03	0.25	0.25	0.00
7.20	0.27	0.007	86.03	0.25	0.25	0.00
7.25	0.27	0.007	86.03	0.25	0.25	0.00
7.30	0.27	0.007	86.03	0.26	0.26	0.00
7.35	0.28	0.007	86.03	0.26	0.26	0.00
7.40	0.28	0.007	86.03	0.26	0.26	0.00
7.45	0.28	0.008	86.03	0.26	0.26	0.00
7.50	0.28	0.008	86.03	0.27	0.27	0.00
7.55	0.29	0.008	86.03	0.27	0.27	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.29	0.008	86.03	0.27	0.27	0.00
7.65	0.29	0.008	86.03	0.27	0.27	0.00
7.70	0.29	0.008	86.03	0.28	0.28	0.00
7.75	0.30	0.008	86.03	0.28	0.28	0.00
7.80	0.30	0.008	86.03	0.28	0.28	0.00
7.85	0.30	0.008	86.03	0.28	0.28	0.00
7.90	0.30	0.008	86.03	0.29	0.29	0.00
7.95	0.30	0.008	86.03	0.29	0.29	0.00
8.00	0.31	0.008	86.03	0.29	0.29	0.00
8.05	0.31	0.008	86.03	0.29	0.29	0.00
8.10	0.31	0.008	86.04	0.30	0.30	0.00
8.15	0.31	0.008	86.04	0.30	0.30	0.00
8.20	0.32	0.009	86.04	0.30	0.30	0.00
8.25	0.32	0.009	86.04	0.30	0.30	0.00
8.30	0.32	0.009	86.04	0.31	0.31	0.00
8.35	0.32	0.009	86.04	0.31	0.31	0.00
8.40	0.33	0.009	86.04	0.31	0.31	0.00
8.45	0.33	0.009	86.04	0.31	0.31	0.00
8.50	0.33	0.009	86.04	0.31	0.31	0.00
8.55	0.33	0.009	86.04	0.32	0.32	0.00
8.60	0.34	0.009	86.04	0.32	0.32	0.00
8.65	0.34	0.009	86.04	0.32	0.32	0.00
8.70	0.34	0.009	86.04	0.32	0.32	0.00
8.75	0.34	0.009	86.04	0.33	0.33	0.00
8.80	0.35	0.009	86.04	0.33	0.33	0.00
8.85	0.35	0.009	86.04	0.33	0.33	0.00
8.90	0.35	0.010	86.04	0.33	0.33	0.00
8.95	0.35	0.010	86.04	0.34	0.34	0.00
9.00	0.36	0.010	86.04	0.34	0.34	0.00
9.05	0.36	0.010	86.04	0.34	0.34	0.00
9.10	0.36	0.010	86.04	0.34	0.34	0.00
9.15	0.37	0.010	86.04	0.35	0.35	0.00
9.20	0.37	0.010	86.04	0.35	0.35	0.00
9.25	0.38	0.010	86.04	0.35	0.35	0.00
9.30	0.38	0.010	86.04	0.36	0.36	0.00
9.35	0.39	0.010	86.04	0.36	0.36	0.00
9.40	0.40	0.010	86.04	0.37	0.37	0.00
9.45	0.41	0.011	86.04	0.37	0.37	0.00
9.50	0.41	0.011	86.04	0.38	0.38	0.00
9.55	0.42	0.011	86.05	0.38	0.38	0.00
9.60	0.43	0.011	86.05	0.39	0.39	0.00
9.65	0.44	0.011	86.05	0.39	0.39	0.00
9.70	0.44	0.011	86.05	0.40	0.40	0.00
9.75	0.45	0.012	86.05	0.41	0.41	0.00
9.80	0.46	0.012	86.05	0.41	0.41	0.00
9.85	0.47	0.012	86.05	0.42	0.42	0.00
9.90	0.47	0.012	86.05	0.42	0.42	0.00
9.95	0.48	0.012	86.05	0.42	0.42	0.00
10.00	0.49	0.013	86.05	0.42	0.42	0.00
10.05	0.50	0.013	86.05	0.42	0.42	0.00
10.10	0.51	0.013	86.06	0.42	0.42	0.00
10.15	0.51	0.014	86.06	0.42	0.42	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.52	0.014	86.06	0.42	0.42	0.00
10.25	0.53	0.014	86.06	0.43	0.43	0.00
10.30	0.54	0.015	86.06	0.43	0.43	0.00
10.35	0.55	0.015	86.06	0.43	0.43	0.00
10.40	0.55	0.016	86.07	0.43	0.43	0.00
10.45	0.56	0.016	86.07	0.43	0.43	0.00
10.50	0.57	0.017	86.07	0.43	0.43	0.00
10.55	0.58	0.018	86.07	0.43	0.43	0.00
10.60	0.59	0.018	86.08	0.43	0.43	0.00
10.65	0.61	0.019	86.08	0.43	0.43	0.00
10.70	0.62	0.020	86.08	0.43	0.43	0.00
10.75	0.65	0.020	86.09	0.43	0.43	0.00
10.80	0.67	0.021	86.09	0.44	0.44	0.00
10.85	0.69	0.022	86.09	0.44	0.44	0.00
10.90	0.71	0.023	86.10	0.44	0.44	0.00
10.95	0.74	0.025	86.10	0.44	0.44	0.00
11.00	0.77	0.026	86.11	0.44	0.44	0.00
11.05	0.79	0.027	86.11	0.44	0.44	0.00
11.10	0.82	0.029	86.12	0.45	0.45	0.00
11.15	0.86	0.030	86.13	0.45	0.45	0.00
11.20	0.89	0.032	86.13	0.45	0.45	0.00
11.25	0.93	0.034	86.14	0.46	0.46	0.00
11.30	0.97	0.036	86.15	0.46	0.46	0.00
11.35	1.01	0.038	86.16	0.46	0.46	0.00
11.40	1.05	0.041	86.17	0.47	0.47	0.00
11.45	1.09	0.043	86.18	0.47	0.47	0.00
11.50	1.14	0.046	86.19	0.47	0.47	0.00
11.55	1.19	0.049	86.20	0.48	0.48	0.00
11.60	1.27	0.052	86.22	0.48	0.48	0.00
11.65	1.37	0.055	86.23	0.49	0.49	0.00
11.70	1.46	0.059	86.25	0.49	0.49	0.00
11.75	1.57	0.063	86.26	0.50	0.50	0.00
11.80	1.72	0.068	86.28	0.51	0.51	0.00
11.85	1.93	0.073	86.31	0.52	0.52	0.00
11.90	2.23	0.080	86.33	0.53	0.53	0.00
11.95	2.64	0.088	86.37	0.54	0.54	0.00
12.00	3.28	0.098	86.41	0.56	0.56	0.00
12.05	4.16	0.111	86.46	0.58	0.58	0.00
12.10	5.43	0.128	86.53	0.61	0.61	0.00
12.15	6.75	0.151	86.63	0.64	0.64	0.00
12.20	7.20	0.177	86.74	0.69	0.69	0.00
12.25	6.93	0.203	86.85	0.73	0.73	0.00
12.30	6.53	0.228	86.95	0.78	0.78	0.00
12.35	6.12	0.250	87.03	0.82	0.81	0.00
12.40	5.69	0.271	87.10	0.86	0.84	0.02
12.45	5.26	0.290	87.16	0.91	0.87	0.04
12.50	4.87	0.307	87.21	0.96	0.89	0.07
12.55	4.53	0.323	87.26	1.00	0.91	0.09
12.60	4.20	0.337	87.30	1.03	0.93	0.10
12.65	3.89	0.349	87.34	1.06	0.95	0.11
12.70	3.62	0.360	87.38	1.08	0.96	0.12
12.75	3.38	0.370	87.41	1.10	0.98	0.13

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	3.18	0.379	87.43	1.12	0.99	0.13
12.85	3.01	0.387	87.46	1.14	1.00	0.14
12.90	2.86	0.395	87.48	1.15	1.01	0.14
12.95	2.73	0.401	87.50	1.17	1.02	0.15
13.00	2.62	0.408	87.52	1.18	1.03	0.15
13.05	2.51	0.413	87.54	1.19	1.04	0.15
13.10	2.41	0.418	87.56	1.20	1.04	0.16
13.15	2.31	0.423	87.57	1.21	1.05	0.16
13.20	2.23	0.428	87.59	1.22	1.06	0.16
13.25	2.15	0.432	87.60	1.23	1.06	0.16
13.30	2.08	0.435	87.61	1.23	1.07	0.16
13.35	2.01	0.439	87.62	1.24	1.07	0.17
13.40	1.95	0.442	87.63	1.25	1.08	0.17
13.45	1.88	0.444	87.64	1.25	1.08	0.17
13.50	1.82	0.447	87.65	1.26	1.09	0.17
13.55	1.76	0.449	87.65	1.26	1.09	0.17
13.60	1.71	0.451	87.66	1.26	1.09	0.17
13.65	1.65	0.453	87.66	1.27	1.09	0.17
13.70	1.60	0.454	87.67	1.27	1.10	0.17
13.75	1.55	0.455	87.67	1.27	1.10	0.17
13.80	1.50	0.456	87.68	1.27	1.10	0.18
13.85	1.46	0.457	87.68	1.28	1.10	0.18
13.90	1.42	0.458	87.68	1.28	1.10	0.18
13.95	1.39	0.459	87.68	1.28	1.10	0.18
14.00	1.36	0.459	87.68	1.28	1.10	0.18
14.05	1.32	0.459	87.68	1.28	1.10	0.18
14.10	1.29	0.459	87.69	1.28	1.10	0.18
14.15	1.27	0.459	87.69	1.28	1.10	0.18
14.20	1.24	0.459	87.68	1.28	1.10	0.18
14.25	1.22	0.459	87.68	1.28	1.10	0.18
14.30	1.20	0.459	87.68	1.28	1.10	0.18
14.35	1.17	0.458	87.68	1.28	1.10	0.18
14.40	1.15	0.458	87.68	1.28	1.10	0.18
14.45	1.13	0.457	87.68	1.28	1.10	0.18
14.50	1.11	0.457	87.68	1.27	1.10	0.18
14.55	1.09	0.456	87.67	1.27	1.10	0.18
14.60	1.08	0.455	87.67	1.27	1.10	0.17
14.65	1.06	0.454	87.67	1.27	1.10	0.17
14.70	1.04	0.453	87.67	1.27	1.09	0.17
14.75	1.02	0.452	87.66	1.27	1.09	0.17
14.80	1.01	0.451	87.66	1.26	1.09	0.17
14.85	0.99	0.450	87.66	1.26	1.09	0.17
14.90	0.97	0.449	87.65	1.26	1.09	0.17
14.95	0.96	0.448	87.65	1.26	1.09	0.17
15.00	0.94	0.447	87.65	1.26	1.09	0.17
15.05	0.92	0.445	87.64	1.25	1.08	0.17
15.10	0.90	0.444	87.64	1.25	1.08	0.17
15.15	0.89	0.442	87.63	1.25	1.08	0.17
15.20	0.87	0.441	87.63	1.24	1.08	0.17
15.25	0.86	0.439	87.62	1.24	1.07	0.17
15.30	0.85	0.438	87.62	1.24	1.07	0.17
15.35	0.84	0.436	87.61	1.24	1.07	0.17

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.83	0.434	87.61	1.23	1.07	0.16
15.45	0.82	0.433	87.60	1.23	1.07	0.16
15.50	0.81	0.431	87.60	1.23	1.06	0.16
15.55	0.80	0.429	87.59	1.22	1.06	0.16
15.60	0.79	0.428	87.59	1.22	1.06	0.16
15.65	0.79	0.426	87.58	1.21	1.06	0.16
15.70	0.78	0.424	87.58	1.21	1.05	0.16
15.75	0.77	0.422	87.57	1.21	1.05	0.16
15.80	0.77	0.420	87.56	1.20	1.05	0.16
15.85	0.76	0.419	87.56	1.20	1.05	0.16
15.90	0.75	0.417	87.55	1.20	1.04	0.15
15.95	0.75	0.415	87.55	1.19	1.04	0.15
16.00	0.74	0.413	87.54	1.19	1.04	0.15
16.05	0.74	0.411	87.54	1.19	1.03	0.15
16.10	0.73	0.409	87.53	1.18	1.03	0.15
16.15	0.73	0.408	87.52	1.18	1.03	0.15
16.20	0.72	0.406	87.52	1.17	1.03	0.15
16.25	0.72	0.404	87.51	1.17	1.02	0.15
16.30	0.71	0.402	87.51	1.17	1.02	0.15
16.35	0.71	0.400	87.50	1.16	1.02	0.14
16.40	0.70	0.398	87.49	1.16	1.02	0.14
16.45	0.70	0.396	87.49	1.16	1.01	0.14
16.50	0.69	0.394	87.48	1.15	1.01	0.14
16.55	0.69	0.392	87.48	1.15	1.01	0.14
16.60	0.68	0.391	87.47	1.14	1.01	0.14
16.65	0.68	0.389	87.46	1.14	1.00	0.14
16.70	0.67	0.387	87.46	1.14	1.00	0.14
16.75	0.67	0.385	87.45	1.13	1.00	0.14
16.80	0.66	0.383	87.45	1.13	0.99	0.13
16.85	0.66	0.381	87.44	1.12	0.99	0.13
16.90	0.65	0.379	87.43	1.12	0.99	0.13
16.95	0.65	0.377	87.43	1.12	0.99	0.13
17.00	0.65	0.375	87.42	1.11	0.98	0.13
17.05	0.64	0.373	87.42	1.11	0.98	0.13
17.10	0.64	0.371	87.41	1.10	0.98	0.13
17.15	0.63	0.369	87.40	1.10	0.98	0.12
17.20	0.63	0.367	87.40	1.10	0.97	0.12
17.25	0.62	0.365	87.39	1.09	0.97	0.12
17.30	0.62	0.363	87.39	1.09	0.97	0.12
17.35	0.61	0.362	87.38	1.08	0.96	0.12
17.40	0.61	0.360	87.37	1.08	0.96	0.12
17.45	0.60	0.358	87.37	1.08	0.96	0.12
17.50	0.60	0.356	87.36	1.07	0.96	0.11
17.55	0.59	0.354	87.36	1.07	0.95	0.11
17.60	0.59	0.352	87.35	1.06	0.95	0.11
17.65	0.59	0.350	87.34	1.06	0.95	0.11
17.70	0.58	0.348	87.34	1.05	0.95	0.11
17.75	0.58	0.346	87.33	1.05	0.94	0.11
17.80	0.57	0.344	87.32	1.05	0.94	0.11
17.85	0.57	0.342	87.32	1.04	0.94	0.10
17.90	0.56	0.340	87.31	1.04	0.94	0.10
17.95	0.56	0.338	87.31	1.03	0.93	0.10

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.55	0.336	87.30	1.03	0.93	0.10
18.05	0.55	0.334	87.29	1.02	0.93	0.10
18.10	0.54	0.332	87.29	1.02	0.92	0.10
18.15	0.54	0.330	87.28	1.01	0.92	0.09
18.20	0.53	0.328	87.28	1.01	0.92	0.09
18.25	0.53	0.326	87.27	1.01	0.92	0.09
18.30	0.53	0.324	87.26	1.00	0.91	0.09
18.35	0.52	0.322	87.26	1.00	0.91	0.09
18.40	0.52	0.320	87.25	0.99	0.91	0.08
18.45	0.52	0.318	87.25	0.99	0.91	0.08
18.50	0.51	0.316	87.24	0.98	0.90	0.08
18.55	0.51	0.315	87.23	0.98	0.90	0.08
18.60	0.51	0.313	87.23	0.97	0.90	0.07
18.65	0.51	0.311	87.22	0.97	0.89	0.07
18.70	0.51	0.309	87.22	0.96	0.89	0.07
18.75	0.50	0.307	87.21	0.96	0.89	0.07
18.80	0.50	0.305	87.20	0.95	0.89	0.07
18.85	0.50	0.303	87.20	0.95	0.88	0.06
18.90	0.50	0.301	87.19	0.94	0.88	0.06
18.95	0.50	0.300	87.19	0.94	0.88	0.06
19.00	0.50	0.298	87.18	0.93	0.88	0.05
19.05	0.49	0.296	87.17	0.93	0.87	0.05
19.10	0.49	0.294	87.17	0.92	0.87	0.05
19.15	0.49	0.292	87.16	0.92	0.87	0.05
19.20	0.49	0.291	87.16	0.91	0.87	0.04
19.25	0.49	0.289	87.15	0.91	0.87	0.04
19.30	0.49	0.287	87.15	0.90	0.86	0.04
19.35	0.49	0.285	87.14	0.90	0.86	0.04
19.40	0.48	0.284	87.14	0.89	0.86	0.04
19.45	0.48	0.282	87.13	0.89	0.86	0.03
19.50	0.48	0.280	87.13	0.88	0.85	0.03
19.55	0.48	0.279	87.12	0.88	0.85	0.03
19.60	0.48	0.277	87.12	0.88	0.85	0.03
19.65	0.48	0.276	87.11	0.87	0.85	0.02
19.70	0.48	0.274	87.11	0.87	0.84	0.02
19.75	0.48	0.272	87.10	0.86	0.84	0.02
19.80	0.48	0.271	87.10	0.86	0.84	0.02
19.85	0.47	0.269	87.09	0.86	0.84	0.02
19.90	0.47	0.268	87.09	0.85	0.84	0.02
19.95	0.47	0.266	87.08	0.85	0.83	0.01
20.00	0.47	0.264	87.08	0.84	0.83	0.01
20.05	0.47	0.263	87.07	0.84	0.83	0.01
20.10	0.47	0.261	87.07	0.84	0.83	0.01
20.15	0.47	0.260	87.06	0.83	0.83	0.01
20.20	0.47	0.258	87.06	0.83	0.82	0.01
20.25	0.47	0.257	87.05	0.83	0.82	0.01
20.30	0.46	0.255	87.05	0.82	0.82	0.01
20.35	0.46	0.254	87.04	0.82	0.82	0.00
20.40	0.46	0.252	87.04	0.82	0.82	0.00
20.45	0.46	0.251	87.03	0.82	0.81	0.00
20.50	0.46	0.249	87.03	0.81	0.81	0.00
20.55	0.46	0.248	87.02	0.81	0.81	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.46	0.246	87.02	0.81	0.81	0.00
20.65	0.46	0.245	87.02	0.81	0.81	0.00
20.70	0.46	0.244	87.01	0.81	0.80	0.00
20.75	0.45	0.242	87.01	0.80	0.80	0.00
20.80	0.45	0.241	87.00	0.80	0.80	0.00
20.85	0.45	0.239	87.00	0.80	0.80	0.00
20.90	0.45	0.238	86.99	0.80	0.80	0.00
20.95	0.45	0.236	86.99	0.79	0.79	0.00
21.00	0.45	0.235	86.98	0.79	0.79	0.00
21.05	0.45	0.234	86.97	0.79	0.79	0.00
21.10	0.45	0.232	86.97	0.79	0.79	0.00
21.15	0.45	0.231	86.96	0.78	0.78	0.00
21.20	0.44	0.229	86.96	0.78	0.78	0.00
21.25	0.44	0.228	86.95	0.78	0.78	0.00
21.30	0.44	0.227	86.94	0.78	0.78	0.00
21.35	0.44	0.225	86.94	0.77	0.77	0.00
21.40	0.44	0.224	86.93	0.77	0.77	0.00
21.45	0.44	0.223	86.93	0.77	0.77	0.00
21.50	0.44	0.221	86.92	0.77	0.77	0.00
21.55	0.44	0.220	86.92	0.76	0.76	0.00
21.60	0.44	0.218	86.91	0.76	0.76	0.00
21.65	0.43	0.217	86.90	0.76	0.76	0.00
21.70	0.43	0.216	86.90	0.76	0.76	0.00
21.75	0.43	0.214	86.89	0.75	0.75	0.00
21.80	0.43	0.213	86.89	0.75	0.75	0.00
21.85	0.43	0.212	86.88	0.75	0.75	0.00
21.90	0.43	0.210	86.88	0.75	0.75	0.00
21.95	0.43	0.209	86.87	0.74	0.74	0.00
22.00	0.43	0.208	86.87	0.74	0.74	0.00
22.05	0.42	0.207	86.86	0.74	0.74	0.00
22.10	0.42	0.205	86.86	0.74	0.74	0.00
22.15	0.42	0.204	86.85	0.74	0.74	0.00
22.20	0.42	0.203	86.84	0.73	0.73	0.00
22.25	0.42	0.201	86.84	0.73	0.73	0.00
22.30	0.42	0.200	86.83	0.73	0.73	0.00
22.35	0.42	0.199	86.83	0.73	0.73	0.00
22.40	0.42	0.198	86.82	0.72	0.72	0.00
22.45	0.42	0.196	86.82	0.72	0.72	0.00
22.50	0.41	0.195	86.81	0.72	0.72	0.00
22.55	0.41	0.194	86.81	0.72	0.72	0.00
22.60	0.41	0.192	86.80	0.72	0.72	0.00
22.65	0.41	0.191	86.80	0.71	0.71	0.00
22.70	0.41	0.190	86.79	0.71	0.71	0.00
22.75	0.41	0.189	86.79	0.71	0.71	0.00
22.80	0.41	0.187	86.78	0.71	0.71	0.00
22.85	0.41	0.186	86.78	0.71	0.71	0.00
22.90	0.40	0.185	86.77	0.70	0.70	0.00
22.95	0.40	0.184	86.77	0.70	0.70	0.00
23.00	0.40	0.183	86.76	0.70	0.70	0.00
23.05	0.40	0.181	86.76	0.70	0.70	0.00
23.10	0.40	0.180	86.75	0.69	0.69	0.00
23.15	0.40	0.179	86.75	0.69	0.69	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.40	0.178	86.74	0.69	0.69	0.00
23.25	0.40	0.176	86.74	0.69	0.69	0.00
23.30	0.40	0.175	86.73	0.69	0.69	0.00
23.35	0.39	0.174	86.73	0.68	0.68	0.00
23.40	0.39	0.173	86.72	0.68	0.68	0.00
23.45	0.39	0.172	86.72	0.68	0.68	0.00
23.50	0.39	0.170	86.71	0.68	0.68	0.00
23.55	0.39	0.169	86.71	0.68	0.68	0.00
23.60	0.39	0.168	86.70	0.67	0.67	0.00
23.65	0.39	0.167	86.70	0.67	0.67	0.00
23.70	0.39	0.166	86.69	0.67	0.67	0.00
23.75	0.38	0.165	86.69	0.67	0.67	0.00
23.80	0.38	0.163	86.68	0.67	0.67	0.00
23.85	0.38	0.162	86.68	0.66	0.66	0.00
23.90	0.38	0.161	86.67	0.66	0.66	0.00
23.95	0.38	0.160	86.67	0.66	0.66	0.00
24.00	0.38	0.159	86.66	0.66	0.66	0.00
24.05	0.38	0.158	86.66	0.66	0.66	0.00
24.10	0.35	0.156	86.65	0.65	0.65	0.00
24.15	0.32	0.155	86.65	0.65	0.65	0.00
24.20	0.29	0.154	86.64	0.65	0.65	0.00
24.25	0.26	0.152	86.63	0.65	0.65	0.00
24.30	0.23	0.150	86.63	0.64	0.64	0.00
24.35	0.20	0.149	86.62	0.64	0.64	0.00
24.40	0.18	0.147	86.61	0.64	0.64	0.00
24.45	0.16	0.145	86.60	0.63	0.63	0.00
24.50	0.14	0.143	86.60	0.63	0.63	0.00
24.55	0.12	0.141	86.59	0.63	0.63	0.00
24.60	0.11	0.139	86.58	0.62	0.62	0.00
24.65	0.10	0.137	86.57	0.62	0.62	0.00
24.70	0.09	0.134	86.56	0.62	0.62	0.00
24.75	0.08	0.132	86.55	0.61	0.61	0.00
24.80	0.07	0.130	86.54	0.61	0.61	0.00
24.85	0.06	0.128	86.53	0.61	0.61	0.00
24.90	0.06	0.126	86.52	0.60	0.60	0.00
24.95	0.05	0.123	86.51	0.60	0.60	0.00
25.00	0.05	0.121	86.50	0.59	0.59	0.00
25.05	0.04	0.119	86.49	0.59	0.59	0.00
25.10	0.04	0.116	86.49	0.59	0.59	0.00
25.15	0.03	0.114	86.48	0.58	0.58	0.00
25.20	0.03	0.112	86.47	0.58	0.58	0.00
25.25	0.03	0.110	86.46	0.58	0.58	0.00
25.30	0.02	0.107	86.45	0.57	0.57	0.00
25.35	0.02	0.105	86.44	0.57	0.57	0.00
25.40	0.02	0.103	86.43	0.57	0.57	0.00
25.45	0.02	0.101	86.42	0.56	0.56	0.00
25.50	0.02	0.098	86.41	0.56	0.56	0.00
25.55	0.01	0.096	86.40	0.55	0.55	0.00
25.60	0.01	0.094	86.39	0.55	0.55	0.00
25.65	0.01	0.092	86.38	0.55	0.55	0.00
25.70	0.01	0.089	86.37	0.54	0.54	0.00
25.75	0.01	0.087	86.36	0.54	0.54	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.01	0.085	86.35	0.54	0.54	0.00
25.85	0.01	0.083	86.35	0.53	0.53	0.00
25.90	0.01	0.081	86.34	0.53	0.53	0.00
25.95	0.00	0.079	86.33	0.53	0.53	0.00
26.00	0.00	0.076	86.32	0.52	0.52	0.00
26.05	0.00	0.074	86.31	0.52	0.52	0.00
26.10	0.00	0.072	86.30	0.52	0.52	0.00
26.15	0.00	0.070	86.29	0.51	0.51	0.00
26.20	0.00	0.068	86.28	0.51	0.51	0.00
26.25	0.00	0.066	86.27	0.51	0.51	0.00
26.30	0.00	0.064	86.27	0.50	0.50	0.00
26.35	0.00	0.062	86.26	0.50	0.50	0.00
26.40	0.00	0.060	86.25	0.50	0.50	0.00
26.45	0.00	0.058	86.24	0.49	0.49	0.00
26.50	0.00	0.056	86.23	0.49	0.49	0.00
26.55	0.00	0.054	86.22	0.49	0.49	0.00
26.60	0.00	0.052	86.22	0.48	0.48	0.00
26.65	0.00	0.050	86.21	0.48	0.48	0.00
26.70	0.00	0.048	86.20	0.48	0.48	0.00
26.75	0.00	0.046	86.19	0.47	0.47	0.00
26.80	0.00	0.044	86.18	0.47	0.47	0.00
26.85	0.00	0.042	86.17	0.47	0.47	0.00
26.90	0.00	0.040	86.17	0.46	0.46	0.00
26.95	0.00	0.038	86.16	0.46	0.46	0.00
27.00	0.00	0.036	86.15	0.46	0.46	0.00
27.05	0.00	0.034	86.14	0.46	0.46	0.00
27.10	0.00	0.032	86.13	0.45	0.45	0.00
27.15	0.00	0.030	86.13	0.45	0.45	0.00
27.20	0.00	0.029	86.12	0.45	0.45	0.00
27.25	0.00	0.027	86.11	0.44	0.44	0.00
27.30	0.00	0.025	86.10	0.44	0.44	0.00
27.35	0.00	0.023	86.10	0.44	0.44	0.00
27.40	0.00	0.021	86.09	0.44	0.44	0.00
27.45	0.00	0.020	86.08	0.43	0.43	0.00
27.50	0.00	0.018	86.07	0.43	0.43	0.00
27.55	0.00	0.016	86.07	0.43	0.43	0.00
27.60	0.00	0.014	86.06	0.42	0.42	0.00
27.65	0.00	0.012	86.05	0.42	0.42	0.00
27.70	0.00	0.011	86.05	0.38	0.38	0.00
27.75	0.00	0.009	86.04	0.33	0.33	0.00
27.80	0.00	0.008	86.03	0.28	0.28	0.00
27.85	0.00	0.007	86.03	0.25	0.25	0.00
27.90	0.00	0.006	86.03	0.21	0.21	0.00
27.95	0.00	0.005	86.02	0.18	0.18	0.00
28.00	0.00	0.005	86.02	0.16	0.16	0.00
28.05	0.00	0.004	86.02	0.14	0.14	0.00
28.10	0.00	0.003	86.01	0.12	0.12	0.00
28.15	0.00	0.003	86.01	0.10	0.10	0.00
28.20	0.00	0.003	86.01	0.09	0.09	0.00
28.25	0.00	0.002	86.01	0.08	0.08	0.00
28.30	0.00	0.002	86.01	0.07	0.07	0.00
28.35	0.00	0.002	86.01	0.06	0.06	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.001	86.01	0.05	0.05	0.00
28.45	0.00	0.001	86.01	0.04	0.04	0.00
28.50	0.00	0.001	86.00	0.04	0.04	0.00
28.55	0.00	0.001	86.00	0.03	0.03	0.00
28.60	0.00	0.001	86.00	0.03	0.03	0.00
28.65	0.00	0.001	86.00	0.02	0.02	0.00
28.70	0.00	0.001	86.00	0.02	0.02	0.00
28.75	0.00	0.001	86.00	0.02	0.02	0.00
28.80	0.00	0.000	86.00	0.02	0.02	0.00
28.85	0.00	0.000	86.00	0.01	0.01	0.00
28.90	0.00	0.000	86.00	0.01	0.01	0.00
28.95	0.00	0.000	86.00	0.01	0.01	0.00
29.00	0.00	0.000	86.00	0.01	0.01	0.00
29.05	0.00	0.000	86.00	0.01	0.01	0.00
29.10	0.00	0.000	86.00	0.01	0.01	0.00
29.15	0.00	0.000	86.00	0.01	0.01	0.00
29.20	0.00	0.000	86.00	0.00	0.00	0.00
29.25	0.00	0.000	86.00	0.00	0.00	0.00
29.30	0.00	0.000	86.00	0.00	0.00	0.00
29.35	0.00	0.000	86.00	0.00	0.00	0.00
29.40	0.00	0.000	86.00	0.00	0.00	0.00
29.45	0.00	0.000	86.00	0.00	0.00	0.00
29.50	0.00	0.000	86.00	0.00	0.00	0.00
29.55	0.00	0.000	86.00	0.00	0.00	0.00
29.60	0.00	0.000	86.00	0.00	0.00	0.00
29.65	0.00	0.000	86.00	0.00	0.00	0.00
29.70	0.00	0.000	86.00	0.00	0.00	0.00
29.75	0.00	0.000	86.00	0.00	0.00	0.00
29.80	0.00	0.000	86.00	0.00	0.00	0.00
29.85	0.00	0.000	86.00	0.00	0.00	0.00
29.90	0.00	0.000	86.00	0.00	0.00	0.00
29.95	0.00	0.000	86.00	0.00	0.00	0.00
30.00	0.00	0.000	86.00	0.00	0.00	0.00

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Summary for Pond Basin 4 & 5: Basin 4 & 5

Inflow Area = 4.200 ac, 26.19% Impervious, Inflow Depth > 3.51" for 100 year event
 Inflow = 7.53 cfs @ 12.22 hrs, Volume= 1.229 af
 Outflow = 1.19 cfs @ 13.88 hrs, Volume= 1.201 af, Atten= 84%, Lag= 100.1 min
 Discarded = 0.94 cfs @ 13.88 hrs, Volume= 1.042 af
 Primary = 0.26 cfs @ 13.88 hrs, Volume= 0.160 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 90.81' @ 13.88 hrs Surf.Area= 0.266 ac Storage= 0.483 af

Plug-Flow detention time= 238.3 min calculated for 1.198 af (98% of inflow)
 Center-of-Mass det. time= 224.6 min (1,072.4 - 847.8)

Volume	Invert	Avail.Storage	Storage Description
#1	88.00'	1.690 af	Rain Garden Basin 4 & 5 (Prismatic) Listed below

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
88.00	0.080	0.000	0.000
89.00	0.140	0.110	0.110
90.00	0.210	0.175	0.285
91.00	0.280	0.245	0.530
92.00	0.350	0.315	0.845
93.00	0.420	0.385	1.230
94.00	0.500	0.460	1.690

Device	Routing	Invert	Outlet Devices
#1	Discarded	88.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 86.00'
#2	Primary	89.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	91.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.94 cfs @ 13.88 hrs HW=90.81' (Free Discharge)

↑1=Exfiltration (Controls 0.94 cfs)

Primary OutFlow Max=0.26 cfs @ 13.88 hrs HW=90.81' (Free Discharge)

↑2=Orifice/Grate (Orifice Controls 0.26 cfs @ 5.23 fps)

↑3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.19	0.000	88.00	0.01	0.01	0.00
5.05	0.19	0.001	88.01	0.03	0.03	0.00
5.10	0.19	0.002	88.02	0.04	0.04	0.00
5.15	0.19	0.002	88.02	0.06	0.06	0.00
5.20	0.19	0.003	88.02	0.07	0.07	0.00
5.25	0.19	0.003	88.03	0.08	0.08	0.00
5.30	0.19	0.004	88.03	0.09	0.09	0.00
5.35	0.19	0.004	88.04	0.10	0.10	0.00
5.40	0.19	0.004	88.04	0.11	0.11	0.00
5.45	0.19	0.005	88.04	0.12	0.12	0.00
5.50	0.19	0.005	88.04	0.13	0.13	0.00
5.55	0.19	0.005	88.05	0.14	0.14	0.00
5.60	0.19	0.005	88.05	0.14	0.14	0.00
5.65	0.19	0.006	88.05	0.15	0.15	0.00
5.70	0.20	0.006	88.05	0.15	0.15	0.00
5.75	0.20	0.006	88.05	0.16	0.16	0.00
5.80	0.20	0.006	88.06	0.16	0.16	0.00
5.85	0.20	0.006	88.06	0.16	0.16	0.00
5.90	0.20	0.006	88.06	0.17	0.17	0.00
5.95	0.20	0.006	88.06	0.17	0.17	0.00
6.00	0.20	0.007	88.06	0.17	0.17	0.00
6.05	0.20	0.007	88.06	0.17	0.17	0.00
6.10	0.20	0.007	88.06	0.17	0.17	0.00
6.15	0.20	0.007	88.06	0.17	0.17	0.00
6.20	0.20	0.007	88.06	0.17	0.17	0.00
6.25	0.21	0.007	88.07	0.17	0.17	0.00
6.30	0.21	0.007	88.07	0.17	0.17	0.00
6.35	0.21	0.007	88.07	0.18	0.18	0.00
6.40	0.21	0.008	88.07	0.18	0.18	0.00
6.45	0.21	0.008	88.07	0.18	0.18	0.00
6.50	0.21	0.008	88.07	0.18	0.18	0.00
6.55	0.22	0.008	88.07	0.18	0.18	0.00
6.60	0.22	0.008	88.07	0.18	0.18	0.00
6.65	0.22	0.008	88.08	0.18	0.18	0.00
6.70	0.22	0.009	88.08	0.18	0.18	0.00
6.75	0.23	0.009	88.08	0.18	0.18	0.00
6.80	0.23	0.009	88.08	0.18	0.18	0.00
6.85	0.23	0.009	88.08	0.18	0.18	0.00
6.90	0.23	0.009	88.09	0.18	0.18	0.00
6.95	0.23	0.010	88.09	0.18	0.18	0.00
7.00	0.24	0.010	88.09	0.18	0.18	0.00
7.05	0.24	0.010	88.09	0.18	0.18	0.00
7.10	0.24	0.010	88.09	0.18	0.18	0.00
7.15	0.24	0.011	88.10	0.18	0.18	0.00
7.20	0.25	0.011	88.10	0.18	0.18	0.00
7.25	0.25	0.011	88.10	0.18	0.18	0.00
7.30	0.25	0.011	88.10	0.18	0.18	0.00
7.35	0.25	0.012	88.11	0.18	0.18	0.00
7.40	0.26	0.012	88.11	0.18	0.18	0.00
7.45	0.26	0.012	88.11	0.18	0.18	0.00
7.50	0.26	0.013	88.11	0.18	0.18	0.00
7.55	0.26	0.013	88.12	0.19	0.19	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.26	0.013	88.12	0.19	0.19	0.00
7.65	0.27	0.014	88.12	0.19	0.19	0.00
7.70	0.27	0.014	88.13	0.19	0.19	0.00
7.75	0.27	0.014	88.13	0.19	0.19	0.00
7.80	0.27	0.015	88.13	0.19	0.19	0.00
7.85	0.28	0.015	88.14	0.19	0.19	0.00
7.90	0.28	0.015	88.14	0.19	0.19	0.00
7.95	0.28	0.016	88.14	0.19	0.19	0.00
8.00	0.28	0.016	88.15	0.19	0.19	0.00
8.05	0.28	0.016	88.15	0.19	0.19	0.00
8.10	0.29	0.017	88.15	0.19	0.19	0.00
8.15	0.29	0.017	88.16	0.19	0.19	0.00
8.20	0.29	0.018	88.16	0.19	0.19	0.00
8.25	0.29	0.018	88.16	0.19	0.19	0.00
8.30	0.30	0.018	88.17	0.20	0.20	0.00
8.35	0.30	0.019	88.17	0.20	0.20	0.00
8.40	0.30	0.019	88.17	0.20	0.20	0.00
8.45	0.30	0.020	88.18	0.20	0.20	0.00
8.50	0.30	0.020	88.18	0.20	0.20	0.00
8.55	0.31	0.021	88.19	0.20	0.20	0.00
8.60	0.31	0.021	88.19	0.20	0.20	0.00
8.65	0.31	0.021	88.19	0.20	0.20	0.00
8.70	0.31	0.022	88.20	0.20	0.20	0.00
8.75	0.32	0.022	88.20	0.20	0.20	0.00
8.80	0.32	0.023	88.21	0.20	0.20	0.00
8.85	0.32	0.023	88.21	0.20	0.20	0.00
8.90	0.32	0.024	88.22	0.21	0.21	0.00
8.95	0.32	0.024	88.22	0.21	0.21	0.00
9.00	0.33	0.025	88.22	0.21	0.21	0.00
9.05	0.33	0.025	88.23	0.21	0.21	0.00
9.10	0.33	0.026	88.23	0.21	0.21	0.00
9.15	0.34	0.026	88.24	0.21	0.21	0.00
9.20	0.34	0.027	88.24	0.21	0.21	0.00
9.25	0.35	0.027	88.25	0.21	0.21	0.00
9.30	0.35	0.028	88.25	0.21	0.21	0.00
9.35	0.36	0.028	88.26	0.22	0.22	0.00
9.40	0.37	0.029	88.26	0.22	0.22	0.00
9.45	0.37	0.030	88.27	0.22	0.22	0.00
9.50	0.38	0.030	88.28	0.22	0.22	0.00
9.55	0.39	0.031	88.28	0.22	0.22	0.00
9.60	0.39	0.032	88.29	0.22	0.22	0.00
9.65	0.40	0.032	88.29	0.22	0.22	0.00
9.70	0.41	0.033	88.30	0.22	0.22	0.00
9.75	0.41	0.034	88.31	0.23	0.23	0.00
9.80	0.42	0.035	88.32	0.23	0.23	0.00
9.85	0.43	0.036	88.32	0.23	0.23	0.00
9.90	0.44	0.036	88.33	0.23	0.23	0.00
9.95	0.44	0.037	88.34	0.23	0.23	0.00
10.00	0.45	0.038	88.35	0.23	0.23	0.00
10.05	0.46	0.039	88.35	0.24	0.24	0.00
10.10	0.46	0.040	88.36	0.24	0.24	0.00
10.15	0.47	0.041	88.37	0.24	0.24	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.48	0.042	88.38	0.24	0.24	0.00
10.25	0.49	0.043	88.39	0.24	0.24	0.00
10.30	0.49	0.044	88.40	0.25	0.25	0.00
10.35	0.50	0.045	88.41	0.25	0.25	0.00
10.40	0.51	0.046	88.42	0.25	0.25	0.00
10.45	0.51	0.047	88.43	0.25	0.25	0.00
10.50	0.52	0.048	88.44	0.25	0.25	0.00
10.55	0.53	0.049	88.45	0.26	0.26	0.00
10.60	0.54	0.050	88.46	0.26	0.26	0.00
10.65	0.56	0.052	88.47	0.26	0.26	0.00
10.70	0.57	0.053	88.48	0.26	0.26	0.00
10.75	0.59	0.054	88.49	0.27	0.27	0.00
10.80	0.61	0.055	88.50	0.27	0.27	0.00
10.85	0.63	0.057	88.52	0.27	0.27	0.00
10.90	0.66	0.058	88.53	0.28	0.28	0.00
10.95	0.68	0.060	88.55	0.28	0.28	0.00
11.00	0.70	0.062	88.56	0.28	0.28	0.00
11.05	0.73	0.064	88.58	0.29	0.29	0.00
11.10	0.75	0.065	88.59	0.29	0.29	0.00
11.15	0.78	0.067	88.61	0.29	0.29	0.00
11.20	0.82	0.069	88.63	0.30	0.30	0.00
11.25	0.85	0.072	88.65	0.30	0.30	0.00
11.30	0.89	0.074	88.67	0.31	0.31	0.00
11.35	0.93	0.076	88.70	0.31	0.31	0.00
11.40	0.96	0.079	88.72	0.32	0.32	0.00
11.45	1.00	0.082	88.74	0.33	0.33	0.00
11.50	1.04	0.085	88.77	0.33	0.33	0.00
11.55	1.09	0.088	88.80	0.34	0.34	0.00
11.60	1.16	0.091	88.83	0.34	0.34	0.00
11.65	1.26	0.095	88.86	0.35	0.35	0.00
11.70	1.35	0.098	88.89	0.36	0.36	0.00
11.75	1.45	0.103	88.93	0.37	0.37	0.00
11.80	1.60	0.107	88.98	0.38	0.38	0.00
11.85	1.81	0.113	89.02	0.39	0.39	0.00
11.90	2.11	0.119	89.05	0.40	0.40	0.00
11.95	2.52	0.127	89.10	0.41	0.41	0.00
12.00	3.16	0.137	89.16	0.43	0.43	0.00
12.05	4.07	0.150	89.23	0.45	0.45	0.00
12.10	5.40	0.168	89.33	0.48	0.48	0.00
12.15	6.85	0.191	89.46	0.52	0.52	0.00
12.20	7.49	0.219	89.62	0.59	0.56	0.03
12.25	7.34	0.246	89.78	0.70	0.61	0.09
12.30	6.89	0.273	89.93	0.79	0.66	0.13
12.35	6.34	0.297	90.05	0.85	0.69	0.15
12.40	5.79	0.318	90.14	0.89	0.72	0.17
12.45	5.27	0.337	90.21	0.93	0.74	0.18
12.50	4.82	0.354	90.28	0.96	0.77	0.19
12.55	4.43	0.369	90.34	0.99	0.79	0.20
12.60	4.07	0.383	90.40	1.01	0.80	0.21
12.65	3.74	0.395	90.45	1.03	0.82	0.21
12.70	3.44	0.405	90.49	1.05	0.83	0.22
12.75	3.18	0.415	90.53	1.07	0.85	0.22

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	2.96	0.423	90.56	1.09	0.86	0.23
12.85	2.77	0.430	90.59	1.10	0.87	0.23
12.90	2.62	0.437	90.62	1.11	0.88	0.24
12.95	2.48	0.443	90.64	1.12	0.88	0.24
13.00	2.36	0.448	90.67	1.13	0.89	0.24
13.05	2.24	0.453	90.68	1.14	0.90	0.24
13.10	2.14	0.457	90.70	1.15	0.90	0.25
13.15	2.03	0.461	90.72	1.16	0.91	0.25
13.20	1.94	0.464	90.73	1.16	0.91	0.25
13.25	1.86	0.467	90.74	1.17	0.92	0.25
13.30	1.78	0.470	90.76	1.17	0.92	0.25
13.35	1.71	0.472	90.77	1.18	0.92	0.25
13.40	1.65	0.475	90.77	1.18	0.93	0.25
13.45	1.59	0.476	90.78	1.18	0.93	0.25
13.50	1.53	0.478	90.79	1.19	0.93	0.25
13.55	1.47	0.479	90.79	1.19	0.93	0.26
13.60	1.42	0.480	90.80	1.19	0.93	0.26
13.65	1.37	0.481	90.80	1.19	0.94	0.26
13.70	1.32	0.482	90.80	1.19	0.94	0.26
13.75	1.28	0.482	90.80	1.19	0.94	0.26
13.80	1.25	0.482	90.81	1.19	0.94	0.26
13.85	1.21	0.483	90.81	1.19	0.94	0.26
13.90	1.18	0.483	90.81	1.19	0.94	0.26
13.95	1.16	0.482	90.81	1.19	0.94	0.26
14.00	1.13	0.482	90.81	1.19	0.94	0.26
14.05	1.11	0.482	90.80	1.19	0.94	0.26
14.10	1.09	0.482	90.80	1.19	0.94	0.26
14.15	1.07	0.481	90.80	1.19	0.94	0.26
14.20	1.06	0.481	90.80	1.19	0.94	0.26
14.25	1.04	0.480	90.80	1.19	0.93	0.26
14.30	1.02	0.479	90.79	1.19	0.93	0.26
14.35	1.01	0.479	90.79	1.19	0.93	0.26
14.40	0.99	0.478	90.79	1.19	0.93	0.25
14.45	0.98	0.477	90.78	1.18	0.93	0.25
14.50	0.97	0.476	90.78	1.18	0.93	0.25
14.55	0.95	0.475	90.78	1.18	0.93	0.25
14.60	0.94	0.474	90.77	1.18	0.93	0.25
14.65	0.92	0.473	90.77	1.18	0.93	0.25
14.70	0.91	0.472	90.76	1.18	0.92	0.25
14.75	0.90	0.471	90.76	1.17	0.92	0.25
14.80	0.88	0.470	90.75	1.17	0.92	0.25
14.85	0.87	0.469	90.75	1.17	0.92	0.25
14.90	0.86	0.467	90.74	1.17	0.92	0.25
14.95	0.84	0.466	90.74	1.16	0.92	0.25
15.00	0.83	0.465	90.73	1.16	0.91	0.25
15.05	0.81	0.463	90.73	1.16	0.91	0.25
15.10	0.80	0.462	90.72	1.16	0.91	0.25
15.15	0.79	0.460	90.72	1.15	0.91	0.25
15.20	0.77	0.459	90.71	1.15	0.91	0.25
15.25	0.76	0.457	90.70	1.15	0.90	0.25
15.30	0.75	0.456	90.70	1.15	0.90	0.24
15.35	0.74	0.454	90.69	1.14	0.90	0.24

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.74	0.452	90.68	1.14	0.90	0.24
15.45	0.73	0.451	90.68	1.14	0.89	0.24
15.50	0.72	0.449	90.67	1.13	0.89	0.24
15.55	0.72	0.447	90.66	1.13	0.89	0.24
15.60	0.71	0.446	90.66	1.13	0.89	0.24
15.65	0.70	0.444	90.65	1.12	0.89	0.24
15.70	0.70	0.442	90.64	1.12	0.88	0.24
15.75	0.69	0.440	90.63	1.12	0.88	0.24
15.80	0.69	0.439	90.63	1.11	0.88	0.24
15.85	0.69	0.437	90.62	1.11	0.88	0.24
15.90	0.68	0.435	90.61	1.11	0.87	0.23
15.95	0.68	0.433	90.61	1.11	0.87	0.23
16.00	0.67	0.432	90.60	1.10	0.87	0.23
16.05	0.67	0.430	90.59	1.10	0.87	0.23
16.10	0.66	0.428	90.58	1.10	0.86	0.23
16.15	0.66	0.426	90.58	1.09	0.86	0.23
16.20	0.66	0.424	90.57	1.09	0.86	0.23
16.25	0.65	0.423	90.56	1.09	0.86	0.23
16.30	0.65	0.421	90.55	1.08	0.85	0.23
16.35	0.64	0.419	90.55	1.08	0.85	0.23
16.40	0.64	0.417	90.54	1.08	0.85	0.23
16.45	0.63	0.415	90.53	1.07	0.85	0.23
16.50	0.63	0.414	90.52	1.07	0.84	0.22
16.55	0.63	0.412	90.52	1.07	0.84	0.22
16.60	0.62	0.410	90.51	1.06	0.84	0.22
16.65	0.62	0.408	90.50	1.06	0.84	0.22
16.70	0.61	0.406	90.50	1.06	0.83	0.22
16.75	0.61	0.404	90.49	1.05	0.83	0.22
16.80	0.61	0.403	90.48	1.05	0.83	0.22
16.85	0.60	0.401	90.47	1.05	0.83	0.22
16.90	0.60	0.399	90.47	1.04	0.83	0.22
16.95	0.59	0.397	90.46	1.04	0.82	0.22
17.00	0.59	0.395	90.45	1.04	0.82	0.21
17.05	0.58	0.393	90.44	1.03	0.82	0.21
17.10	0.58	0.392	90.44	1.03	0.82	0.21
17.15	0.58	0.390	90.43	1.02	0.81	0.21
17.20	0.57	0.388	90.42	1.02	0.81	0.21
17.25	0.57	0.386	90.41	1.02	0.81	0.21
17.30	0.56	0.384	90.40	1.01	0.81	0.21
17.35	0.56	0.382	90.40	1.01	0.80	0.21
17.40	0.55	0.380	90.39	1.01	0.80	0.21
17.45	0.55	0.379	90.38	1.00	0.80	0.21
17.50	0.55	0.377	90.37	1.00	0.80	0.20
17.55	0.54	0.375	90.37	1.00	0.79	0.20
17.60	0.54	0.373	90.36	0.99	0.79	0.20
17.65	0.53	0.371	90.35	0.99	0.79	0.20
17.70	0.53	0.369	90.34	0.99	0.79	0.20
17.75	0.52	0.367	90.34	0.98	0.78	0.20
17.80	0.52	0.365	90.33	0.98	0.78	0.20
17.85	0.52	0.363	90.32	0.98	0.78	0.20
17.90	0.51	0.362	90.31	0.97	0.78	0.20
17.95	0.51	0.360	90.30	0.97	0.77	0.19

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.50	0.358	90.30	0.96	0.77	0.19
18.05	0.50	0.356	90.29	0.96	0.77	0.19
18.10	0.49	0.354	90.28	0.96	0.77	0.19
18.15	0.49	0.352	90.27	0.95	0.76	0.19
18.20	0.48	0.350	90.27	0.95	0.76	0.19
18.25	0.48	0.348	90.26	0.95	0.76	0.19
18.30	0.48	0.346	90.25	0.94	0.76	0.19
18.35	0.48	0.344	90.24	0.94	0.75	0.19
18.40	0.47	0.342	90.23	0.94	0.75	0.18
18.45	0.47	0.340	90.23	0.93	0.75	0.18
18.50	0.47	0.339	90.22	0.93	0.75	0.18
18.55	0.47	0.337	90.21	0.92	0.74	0.18
18.60	0.47	0.335	90.20	0.92	0.74	0.18
18.65	0.46	0.333	90.20	0.92	0.74	0.18
18.70	0.46	0.331	90.19	0.91	0.74	0.18
18.75	0.46	0.329	90.18	0.91	0.73	0.18
18.80	0.46	0.327	90.17	0.91	0.73	0.17
18.85	0.46	0.326	90.17	0.90	0.73	0.17
18.90	0.46	0.324	90.16	0.90	0.73	0.17
18.95	0.46	0.322	90.15	0.90	0.72	0.17
19.00	0.46	0.320	90.14	0.89	0.72	0.17
19.05	0.45	0.318	90.14	0.89	0.72	0.17
19.10	0.45	0.316	90.13	0.89	0.72	0.17
19.15	0.45	0.315	90.12	0.88	0.72	0.17
19.20	0.45	0.313	90.11	0.88	0.71	0.17
19.25	0.45	0.311	90.11	0.87	0.71	0.16
19.30	0.45	0.309	90.10	0.87	0.71	0.16
19.35	0.45	0.308	90.09	0.87	0.71	0.16
19.40	0.45	0.306	90.09	0.86	0.70	0.16
19.45	0.45	0.304	90.08	0.86	0.70	0.16
19.50	0.44	0.302	90.07	0.86	0.70	0.16
19.55	0.44	0.301	90.06	0.85	0.70	0.16
19.60	0.44	0.299	90.06	0.85	0.70	0.16
19.65	0.44	0.297	90.05	0.85	0.69	0.15
19.70	0.44	0.296	90.04	0.84	0.69	0.15
19.75	0.44	0.294	90.04	0.84	0.69	0.15
19.80	0.44	0.292	90.03	0.84	0.69	0.15
19.85	0.44	0.291	90.02	0.83	0.68	0.15
19.90	0.44	0.289	90.02	0.83	0.68	0.15
19.95	0.44	0.288	90.01	0.83	0.68	0.15
20.00	0.44	0.286	90.00	0.82	0.68	0.15
20.05	0.43	0.284	90.00	0.82	0.68	0.14
20.10	0.43	0.283	89.99	0.82	0.67	0.14
20.15	0.43	0.281	89.98	0.81	0.67	0.14
20.20	0.43	0.280	89.97	0.81	0.67	0.14
20.25	0.43	0.278	89.96	0.80	0.67	0.14
20.30	0.43	0.277	89.95	0.80	0.66	0.13
20.35	0.43	0.275	89.94	0.79	0.66	0.13
20.40	0.43	0.273	89.93	0.79	0.66	0.13
20.45	0.43	0.272	89.93	0.78	0.65	0.13
20.50	0.42	0.271	89.92	0.78	0.65	0.13
20.55	0.42	0.269	89.91	0.78	0.65	0.13

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.42	0.268	89.90	0.77	0.65	0.12
20.65	0.42	0.266	89.89	0.77	0.64	0.12
20.70	0.42	0.265	89.88	0.76	0.64	0.12
20.75	0.42	0.263	89.88	0.76	0.64	0.12
20.80	0.42	0.262	89.87	0.75	0.64	0.12
20.85	0.42	0.261	89.86	0.75	0.63	0.11
20.90	0.42	0.259	89.85	0.75	0.63	0.11
20.95	0.42	0.258	89.85	0.74	0.63	0.11
21.00	0.41	0.257	89.84	0.74	0.63	0.11
21.05	0.41	0.255	89.83	0.73	0.63	0.11
21.10	0.41	0.254	89.82	0.73	0.62	0.10
21.15	0.41	0.253	89.81	0.72	0.62	0.10
21.20	0.41	0.251	89.81	0.72	0.62	0.10
21.25	0.41	0.250	89.80	0.72	0.62	0.10
21.30	0.41	0.249	89.79	0.71	0.61	0.10
21.35	0.41	0.248	89.79	0.71	0.61	0.09
21.40	0.41	0.246	89.78	0.70	0.61	0.09
21.45	0.41	0.245	89.77	0.70	0.61	0.09
21.50	0.40	0.244	89.77	0.69	0.61	0.09
21.55	0.40	0.243	89.76	0.69	0.60	0.09
21.60	0.40	0.242	89.75	0.69	0.60	0.08
21.65	0.40	0.240	89.74	0.68	0.60	0.08
21.70	0.40	0.239	89.74	0.68	0.60	0.08
21.75	0.40	0.238	89.73	0.67	0.60	0.08
21.80	0.40	0.237	89.73	0.67	0.59	0.07
21.85	0.40	0.236	89.72	0.66	0.59	0.07
21.90	0.40	0.235	89.71	0.66	0.59	0.07
21.95	0.39	0.234	89.71	0.65	0.59	0.07
22.00	0.39	0.233	89.70	0.65	0.59	0.06
22.05	0.39	0.232	89.69	0.65	0.58	0.06
22.10	0.39	0.230	89.69	0.64	0.58	0.06
22.15	0.39	0.229	89.68	0.64	0.58	0.06
22.20	0.39	0.228	89.68	0.63	0.58	0.05
22.25	0.39	0.227	89.67	0.63	0.58	0.05
22.30	0.39	0.226	89.67	0.62	0.58	0.05
22.35	0.39	0.225	89.66	0.62	0.57	0.05
22.40	0.38	0.225	89.65	0.62	0.57	0.04
22.45	0.38	0.224	89.65	0.61	0.57	0.04
22.50	0.38	0.223	89.64	0.61	0.57	0.04
22.55	0.38	0.222	89.64	0.60	0.57	0.04
22.60	0.38	0.221	89.63	0.60	0.57	0.03
22.65	0.38	0.220	89.63	0.60	0.56	0.03
22.70	0.38	0.219	89.62	0.59	0.56	0.03
22.75	0.38	0.218	89.62	0.59	0.56	0.03
22.80	0.38	0.217	89.61	0.59	0.56	0.03
22.85	0.37	0.216	89.61	0.58	0.56	0.02
22.90	0.37	0.216	89.60	0.58	0.56	0.02
22.95	0.37	0.215	89.60	0.58	0.56	0.02
23.00	0.37	0.214	89.59	0.57	0.55	0.02
23.05	0.37	0.213	89.59	0.57	0.55	0.02
23.10	0.37	0.212	89.58	0.57	0.55	0.02
23.15	0.37	0.211	89.58	0.56	0.55	0.01

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.37	0.211	89.57	0.56	0.55	0.01
23.25	0.37	0.210	89.57	0.56	0.55	0.01
23.30	0.36	0.209	89.57	0.56	0.55	0.01
23.35	0.36	0.208	89.56	0.55	0.55	0.01
23.40	0.36	0.207	89.56	0.55	0.54	0.01
23.45	0.36	0.207	89.55	0.55	0.54	0.01
23.50	0.36	0.206	89.55	0.55	0.54	0.01
23.55	0.36	0.205	89.54	0.55	0.54	0.01
23.60	0.36	0.204	89.54	0.54	0.54	0.00
23.65	0.36	0.204	89.53	0.54	0.54	0.00
23.70	0.36	0.203	89.53	0.54	0.54	0.00
23.75	0.35	0.202	89.53	0.54	0.53	0.00
23.80	0.35	0.201	89.52	0.54	0.53	0.00
23.85	0.35	0.201	89.52	0.53	0.53	0.00
23.90	0.35	0.200	89.51	0.53	0.53	0.00
23.95	0.35	0.199	89.51	0.53	0.53	0.00
24.00	0.35	0.198	89.50	0.53	0.53	0.00
24.05	0.35	0.198	89.50	0.53	0.53	0.00
24.10	0.32	0.197	89.50	0.53	0.53	0.00
24.15	0.28	0.196	89.49	0.52	0.52	0.00
24.20	0.24	0.195	89.48	0.52	0.52	0.00
24.25	0.20	0.193	89.48	0.52	0.52	0.00
24.30	0.17	0.192	89.47	0.52	0.52	0.00
24.35	0.14	0.191	89.46	0.52	0.52	0.00
24.40	0.12	0.189	89.45	0.51	0.51	0.00
24.45	0.10	0.187	89.44	0.51	0.51	0.00
24.50	0.08	0.186	89.43	0.51	0.51	0.00
24.55	0.07	0.184	89.42	0.50	0.50	0.00
24.60	0.06	0.182	89.41	0.50	0.50	0.00
24.65	0.05	0.180	89.40	0.50	0.50	0.00
24.70	0.04	0.178	89.39	0.50	0.50	0.00
24.75	0.03	0.176	89.38	0.49	0.49	0.00
24.80	0.03	0.174	89.37	0.49	0.49	0.00
24.85	0.02	0.172	89.36	0.49	0.49	0.00
24.90	0.02	0.171	89.35	0.48	0.48	0.00
24.95	0.02	0.169	89.34	0.48	0.48	0.00
25.00	0.01	0.167	89.32	0.48	0.48	0.00
25.05	0.01	0.165	89.31	0.47	0.47	0.00
25.10	0.01	0.163	89.30	0.47	0.47	0.00
25.15	0.01	0.161	89.29	0.47	0.47	0.00
25.20	0.01	0.159	89.28	0.46	0.46	0.00
25.25	0.00	0.157	89.27	0.46	0.46	0.00
25.30	0.00	0.155	89.26	0.46	0.46	0.00
25.35	0.00	0.153	89.25	0.46	0.46	0.00
25.40	0.00	0.152	89.24	0.45	0.45	0.00
25.45	0.00	0.150	89.23	0.45	0.45	0.00
25.50	0.00	0.148	89.22	0.45	0.45	0.00
25.55	0.00	0.146	89.21	0.44	0.44	0.00
25.60	0.00	0.144	89.20	0.44	0.44	0.00
25.65	0.00	0.142	89.19	0.44	0.44	0.00
25.70	0.00	0.141	89.17	0.44	0.44	0.00
25.75	0.00	0.139	89.16	0.43	0.43	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.137	89.15	0.43	0.43	0.00
25.85	0.00	0.135	89.14	0.43	0.43	0.00
25.90	0.00	0.134	89.13	0.42	0.42	0.00
25.95	0.00	0.132	89.12	0.42	0.42	0.00
26.00	0.00	0.130	89.11	0.42	0.42	0.00
26.05	0.00	0.128	89.10	0.42	0.42	0.00
26.10	0.00	0.127	89.09	0.41	0.41	0.00
26.15	0.00	0.125	89.09	0.41	0.41	0.00
26.20	0.00	0.123	89.08	0.41	0.41	0.00
26.25	0.00	0.122	89.07	0.41	0.41	0.00
26.30	0.00	0.120	89.06	0.40	0.40	0.00
26.35	0.00	0.118	89.05	0.40	0.40	0.00
26.40	0.00	0.117	89.04	0.40	0.40	0.00
26.45	0.00	0.115	89.03	0.39	0.39	0.00
26.50	0.00	0.113	89.02	0.39	0.39	0.00
26.55	0.00	0.112	89.01	0.39	0.39	0.00
26.60	0.00	0.110	89.00	0.39	0.39	0.00
26.65	0.00	0.108	88.99	0.38	0.38	0.00
26.70	0.00	0.107	88.97	0.38	0.38	0.00
26.75	0.00	0.105	88.96	0.38	0.38	0.00
26.80	0.00	0.104	88.94	0.37	0.37	0.00
26.85	0.00	0.102	88.93	0.37	0.37	0.00
26.90	0.00	0.101	88.92	0.37	0.37	0.00
26.95	0.00	0.099	88.90	0.36	0.36	0.00
27.00	0.00	0.098	88.89	0.36	0.36	0.00
27.05	0.00	0.096	88.87	0.36	0.36	0.00
27.10	0.00	0.095	88.86	0.35	0.35	0.00
27.15	0.00	0.093	88.85	0.35	0.35	0.00
27.20	0.00	0.092	88.84	0.35	0.35	0.00
27.25	0.00	0.090	88.82	0.34	0.34	0.00
27.30	0.00	0.089	88.81	0.34	0.34	0.00
27.35	0.00	0.088	88.80	0.34	0.34	0.00
27.40	0.00	0.086	88.78	0.33	0.33	0.00
27.45	0.00	0.085	88.77	0.33	0.33	0.00
27.50	0.00	0.083	88.76	0.33	0.33	0.00
27.55	0.00	0.082	88.75	0.33	0.33	0.00
27.60	0.00	0.081	88.73	0.32	0.32	0.00
27.65	0.00	0.079	88.72	0.32	0.32	0.00
27.70	0.00	0.078	88.71	0.32	0.32	0.00
27.75	0.00	0.077	88.70	0.31	0.31	0.00
27.80	0.00	0.076	88.69	0.31	0.31	0.00
27.85	0.00	0.074	88.68	0.31	0.31	0.00
27.90	0.00	0.073	88.66	0.31	0.31	0.00
27.95	0.00	0.072	88.65	0.30	0.30	0.00
28.00	0.00	0.071	88.64	0.30	0.30	0.00
28.05	0.00	0.069	88.63	0.30	0.30	0.00
28.10	0.00	0.068	88.62	0.30	0.30	0.00
28.15	0.00	0.067	88.61	0.29	0.29	0.00
28.20	0.00	0.066	88.60	0.29	0.29	0.00
28.25	0.00	0.064	88.59	0.29	0.29	0.00
28.30	0.00	0.063	88.57	0.29	0.29	0.00
28.35	0.00	0.062	88.56	0.28	0.28	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.061	88.55	0.28	0.28	0.00
28.45	0.00	0.060	88.54	0.28	0.28	0.00
28.50	0.00	0.059	88.53	0.28	0.28	0.00
28.55	0.00	0.057	88.52	0.27	0.27	0.00
28.60	0.00	0.056	88.51	0.27	0.27	0.00
28.65	0.00	0.055	88.50	0.27	0.27	0.00
28.70	0.00	0.054	88.49	0.27	0.27	0.00
28.75	0.00	0.053	88.48	0.26	0.26	0.00
28.80	0.00	0.052	88.47	0.26	0.26	0.00
28.85	0.00	0.051	88.46	0.26	0.26	0.00
28.90	0.00	0.050	88.45	0.26	0.26	0.00
28.95	0.00	0.049	88.44	0.26	0.26	0.00
29.00	0.00	0.048	88.43	0.25	0.25	0.00
29.05	0.00	0.047	88.42	0.25	0.25	0.00
29.10	0.00	0.046	88.41	0.25	0.25	0.00
29.15	0.00	0.045	88.41	0.25	0.25	0.00
29.20	0.00	0.044	88.40	0.24	0.24	0.00
29.25	0.00	0.043	88.39	0.24	0.24	0.00
29.30	0.00	0.042	88.38	0.24	0.24	0.00
29.35	0.00	0.041	88.37	0.24	0.24	0.00
29.40	0.00	0.040	88.36	0.24	0.24	0.00
29.45	0.00	0.039	88.35	0.24	0.24	0.00
29.50	0.00	0.038	88.34	0.23	0.23	0.00
29.55	0.00	0.037	88.33	0.23	0.23	0.00
29.60	0.00	0.036	88.32	0.23	0.23	0.00
29.65	0.00	0.035	88.32	0.23	0.23	0.00
29.70	0.00	0.034	88.31	0.23	0.23	0.00
29.75	0.00	0.033	88.30	0.22	0.22	0.00
29.80	0.00	0.032	88.29	0.22	0.22	0.00
29.85	0.00	0.031	88.28	0.22	0.22	0.00
29.90	0.00	0.030	88.27	0.22	0.22	0.00
29.95	0.00	0.029	88.27	0.22	0.22	0.00
30.00	0.00	0.028	88.26	0.21	0.21	0.00

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Summary for Pond Basin 6: Basin 6

Inflow Area = 1.900 ac, 21.05% Impervious, Inflow Depth > 3.16" for 100 year event
 Inflow = 2.49 cfs @ 12.21 hrs, Volume= 0.501 af
 Outflow = 0.57 cfs @ 13.92 hrs, Volume= 0.501 af, Atten= 77%, Lag= 102.4 min
 Discarded = 0.57 cfs @ 13.92 hrs, Volume= 0.501 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 92.62' @ 13.92 hrs Surf.Area= 0.243 ac Storage= 0.139 af

Plug-Flow detention time= 105.4 min calculated for 0.501 af (100% of inflow)
 Center-of-Mass det. time= 104.8 min (971.0 - 866.2)

Volume	Invert	Avail.Storage	Storage Description
#1	92.00'	1.350 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
92.00	0.150	0.000	0.000
93.00	0.300	0.225	0.225
94.00	0.350	0.325	0.550
95.00	0.400	0.375	0.925
96.00	0.450	0.425	1.350

Device	Routing	Invert	Outlet Devices
#1	Discarded	92.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 89.00'
#2	Primary	93.00'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	94.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.57 cfs @ 13.92 hrs HW=92.62' (Free Discharge)
 ↳1=Exfiltration (Controls 0.57 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=92.00' (Free Discharge)
 ↳2=Orifice/Grate (Controls 0.00 cfs)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 6: Basin 6

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.07	0.000	92.00	0.00	0.00	0.00
5.05	0.07	0.000	92.00	0.01	0.01	0.00
5.10	0.07	0.001	92.00	0.02	0.02	0.00
5.15	0.07	0.001	92.00	0.03	0.03	0.00
5.20	0.07	0.001	92.00	0.03	0.03	0.00
5.25	0.07	0.001	92.00	0.04	0.04	0.00
5.30	0.07	0.001	92.01	0.04	0.04	0.00
5.35	0.07	0.001	92.01	0.05	0.05	0.00
5.40	0.07	0.001	92.01	0.05	0.05	0.00
5.45	0.07	0.001	92.01	0.05	0.05	0.00
5.50	0.07	0.002	92.01	0.05	0.05	0.00
5.55	0.07	0.002	92.01	0.06	0.06	0.00
5.60	0.07	0.002	92.01	0.06	0.06	0.00
5.65	0.07	0.002	92.01	0.06	0.06	0.00
5.70	0.07	0.002	92.01	0.06	0.06	0.00
5.75	0.07	0.002	92.01	0.06	0.06	0.00
5.80	0.07	0.002	92.01	0.06	0.06	0.00
5.85	0.07	0.002	92.01	0.06	0.06	0.00
5.90	0.07	0.002	92.01	0.07	0.07	0.00
5.95	0.07	0.002	92.01	0.07	0.07	0.00
6.00	0.07	0.002	92.01	0.07	0.07	0.00
6.05	0.07	0.002	92.01	0.07	0.07	0.00
6.10	0.07	0.002	92.01	0.07	0.07	0.00
6.15	0.07	0.002	92.01	0.07	0.07	0.00
6.20	0.07	0.002	92.01	0.07	0.07	0.00
6.25	0.07	0.002	92.01	0.07	0.07	0.00
6.30	0.08	0.002	92.01	0.07	0.07	0.00
6.35	0.08	0.002	92.01	0.07	0.07	0.00
6.40	0.08	0.002	92.01	0.07	0.07	0.00
6.45	0.08	0.002	92.01	0.07	0.07	0.00
6.50	0.08	0.002	92.01	0.07	0.07	0.00
6.55	0.08	0.002	92.01	0.07	0.07	0.00
6.60	0.08	0.002	92.01	0.08	0.08	0.00
6.65	0.08	0.002	92.01	0.08	0.08	0.00
6.70	0.08	0.002	92.01	0.08	0.08	0.00
6.75	0.08	0.002	92.01	0.08	0.08	0.00
6.80	0.08	0.002	92.01	0.08	0.08	0.00
6.85	0.08	0.002	92.01	0.08	0.08	0.00
6.90	0.08	0.002	92.01	0.08	0.08	0.00
6.95	0.09	0.002	92.01	0.08	0.08	0.00
7.00	0.09	0.002	92.01	0.08	0.08	0.00
7.05	0.09	0.002	92.01	0.08	0.08	0.00
7.10	0.09	0.002	92.01	0.08	0.08	0.00
7.15	0.09	0.002	92.01	0.08	0.08	0.00
7.20	0.09	0.002	92.01	0.08	0.08	0.00
7.25	0.09	0.002	92.01	0.08	0.08	0.00
7.30	0.09	0.002	92.01	0.09	0.09	0.00
7.35	0.09	0.002	92.01	0.09	0.09	0.00
7.40	0.09	0.002	92.01	0.09	0.09	0.00
7.45	0.09	0.002	92.01	0.09	0.09	0.00
7.50	0.09	0.003	92.01	0.09	0.09	0.00
7.55	0.10	0.003	92.01	0.09	0.09	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.10	0.003	92.01	0.09	0.09	0.00
7.65	0.10	0.003	92.01	0.09	0.09	0.00
7.70	0.10	0.003	92.01	0.09	0.09	0.00
7.75	0.10	0.003	92.01	0.09	0.09	0.00
7.80	0.10	0.003	92.01	0.09	0.09	0.00
7.85	0.10	0.003	92.01	0.09	0.09	0.00
7.90	0.10	0.003	92.01	0.10	0.10	0.00
7.95	0.10	0.003	92.01	0.10	0.10	0.00
8.00	0.10	0.003	92.01	0.10	0.10	0.00
8.05	0.10	0.003	92.01	0.10	0.10	0.00
8.10	0.10	0.003	92.01	0.10	0.10	0.00
8.15	0.10	0.003	92.01	0.10	0.10	0.00
8.20	0.11	0.003	92.01	0.10	0.10	0.00
8.25	0.11	0.003	92.01	0.10	0.10	0.00
8.30	0.11	0.003	92.01	0.10	0.10	0.00
8.35	0.11	0.003	92.01	0.10	0.10	0.00
8.40	0.11	0.003	92.01	0.10	0.10	0.00
8.45	0.11	0.003	92.01	0.10	0.10	0.00
8.50	0.11	0.003	92.01	0.11	0.11	0.00
8.55	0.11	0.003	92.01	0.11	0.11	0.00
8.60	0.11	0.003	92.01	0.11	0.11	0.00
8.65	0.11	0.003	92.01	0.11	0.11	0.00
8.70	0.11	0.003	92.01	0.11	0.11	0.00
8.75	0.11	0.003	92.01	0.11	0.11	0.00
8.80	0.12	0.003	92.01	0.11	0.11	0.00
8.85	0.12	0.003	92.01	0.11	0.11	0.00
8.90	0.12	0.003	92.01	0.11	0.11	0.00
8.95	0.12	0.003	92.01	0.11	0.11	0.00
9.00	0.12	0.003	92.01	0.11	0.11	0.00
9.05	0.12	0.003	92.01	0.11	0.11	0.00
9.10	0.12	0.003	92.01	0.11	0.11	0.00
9.15	0.12	0.003	92.01	0.12	0.12	0.00
9.20	0.12	0.003	92.01	0.12	0.12	0.00
9.25	0.13	0.003	92.01	0.12	0.12	0.00
9.30	0.13	0.003	92.01	0.12	0.12	0.00
9.35	0.13	0.003	92.02	0.12	0.12	0.00
9.40	0.13	0.003	92.02	0.12	0.12	0.00
9.45	0.14	0.003	92.02	0.12	0.12	0.00
9.50	0.14	0.004	92.02	0.13	0.13	0.00
9.55	0.14	0.004	92.02	0.13	0.13	0.00
9.60	0.14	0.004	92.02	0.13	0.13	0.00
9.65	0.15	0.004	92.02	0.13	0.13	0.00
9.70	0.15	0.004	92.02	0.13	0.13	0.00
9.75	0.15	0.004	92.02	0.14	0.14	0.00
9.80	0.15	0.004	92.02	0.14	0.14	0.00
9.85	0.16	0.004	92.02	0.14	0.14	0.00
9.90	0.16	0.004	92.02	0.14	0.14	0.00
9.95	0.16	0.004	92.02	0.14	0.14	0.00
10.00	0.16	0.004	92.02	0.15	0.15	0.00
10.05	0.17	0.004	92.02	0.15	0.15	0.00
10.10	0.17	0.004	92.02	0.15	0.15	0.00
10.15	0.17	0.004	92.02	0.15	0.15	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.17	0.004	92.02	0.16	0.16	0.00
10.25	0.18	0.005	92.02	0.16	0.16	0.00
10.30	0.18	0.005	92.02	0.16	0.16	0.00
10.35	0.18	0.005	92.02	0.16	0.16	0.00
10.40	0.18	0.005	92.02	0.17	0.17	0.00
10.45	0.19	0.005	92.02	0.17	0.17	0.00
10.50	0.19	0.005	92.02	0.17	0.17	0.00
10.55	0.19	0.005	92.02	0.17	0.17	0.00
10.60	0.20	0.005	92.02	0.18	0.18	0.00
10.65	0.20	0.005	92.02	0.18	0.18	0.00
10.70	0.21	0.005	92.02	0.18	0.18	0.00
10.75	0.22	0.005	92.02	0.19	0.19	0.00
10.80	0.22	0.005	92.02	0.19	0.19	0.00
10.85	0.23	0.006	92.02	0.20	0.20	0.00
10.90	0.24	0.006	92.03	0.20	0.20	0.00
10.95	0.25	0.006	92.03	0.21	0.21	0.00
11.00	0.26	0.006	92.03	0.21	0.21	0.00
11.05	0.26	0.006	92.03	0.22	0.22	0.00
11.10	0.27	0.006	92.03	0.23	0.23	0.00
11.15	0.29	0.007	92.03	0.23	0.23	0.00
11.20	0.30	0.007	92.03	0.24	0.24	0.00
11.25	0.31	0.007	92.03	0.25	0.25	0.00
11.30	0.32	0.007	92.03	0.26	0.26	0.00
11.35	0.34	0.008	92.03	0.27	0.27	0.00
11.40	0.35	0.008	92.04	0.28	0.28	0.00
11.45	0.36	0.008	92.04	0.29	0.29	0.00
11.50	0.38	0.008	92.04	0.30	0.30	0.00
11.55	0.40	0.009	92.04	0.31	0.31	0.00
11.60	0.42	0.009	92.04	0.32	0.32	0.00
11.65	0.46	0.010	92.04	0.32	0.32	0.00
11.70	0.49	0.010	92.05	0.32	0.32	0.00
11.75	0.52	0.011	92.05	0.32	0.32	0.00
11.80	0.57	0.012	92.05	0.32	0.32	0.00
11.85	0.65	0.013	92.06	0.33	0.33	0.00
11.90	0.75	0.015	92.07	0.33	0.33	0.00
11.95	0.89	0.017	92.07	0.33	0.33	0.00
12.00	1.11	0.019	92.09	0.34	0.34	0.00
12.05	1.41	0.023	92.10	0.34	0.34	0.00
12.10	1.85	0.029	92.13	0.35	0.35	0.00
12.15	2.31	0.036	92.16	0.37	0.37	0.00
12.20	2.49	0.044	92.20	0.38	0.38	0.00
12.25	2.43	0.053	92.23	0.40	0.40	0.00
12.30	2.33	0.061	92.27	0.41	0.41	0.00
12.35	2.21	0.068	92.30	0.43	0.43	0.00
12.40	2.09	0.075	92.34	0.44	0.44	0.00
12.45	1.95	0.082	92.36	0.46	0.46	0.00
12.50	1.83	0.088	92.39	0.47	0.47	0.00
12.55	1.71	0.093	92.41	0.48	0.48	0.00
12.60	1.60	0.098	92.44	0.49	0.49	0.00
12.65	1.49	0.102	92.46	0.50	0.50	0.00
12.70	1.40	0.106	92.47	0.50	0.50	0.00
12.75	1.32	0.110	92.49	0.51	0.51	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	1.24	0.113	92.50	0.52	0.52	0.00
12.85	1.18	0.116	92.52	0.52	0.52	0.00
12.90	1.13	0.118	92.53	0.53	0.53	0.00
12.95	1.08	0.121	92.54	0.53	0.53	0.00
13.00	1.04	0.123	92.55	0.54	0.54	0.00
13.05	1.00	0.125	92.56	0.54	0.54	0.00
13.10	0.96	0.127	92.56	0.54	0.54	0.00
13.15	0.92	0.128	92.57	0.55	0.55	0.00
13.20	0.89	0.130	92.58	0.55	0.55	0.00
13.25	0.86	0.131	92.58	0.55	0.55	0.00
13.30	0.83	0.133	92.59	0.56	0.56	0.00
13.35	0.81	0.134	92.59	0.56	0.56	0.00
13.40	0.78	0.135	92.60	0.56	0.56	0.00
13.45	0.76	0.135	92.60	0.56	0.56	0.00
13.50	0.73	0.136	92.61	0.56	0.56	0.00
13.55	0.71	0.137	92.61	0.56	0.56	0.00
13.60	0.69	0.137	92.61	0.57	0.57	0.00
13.65	0.67	0.138	92.61	0.57	0.57	0.00
13.70	0.64	0.138	92.61	0.57	0.57	0.00
13.75	0.63	0.139	92.62	0.57	0.57	0.00
13.80	0.61	0.139	92.62	0.57	0.57	0.00
13.85	0.59	0.139	92.62	0.57	0.57	0.00
13.90	0.57	0.139	92.62	0.57	0.57	0.00
13.95	0.56	0.139	92.62	0.57	0.57	0.00
14.00	0.55	0.139	92.62	0.57	0.57	0.00
14.05	0.53	0.139	92.62	0.57	0.57	0.00
14.10	0.52	0.139	92.62	0.57	0.57	0.00
14.15	0.51	0.138	92.61	0.57	0.57	0.00
14.20	0.50	0.138	92.61	0.57	0.57	0.00
14.25	0.49	0.138	92.61	0.57	0.57	0.00
14.30	0.48	0.137	92.61	0.57	0.57	0.00
14.35	0.47	0.137	92.61	0.56	0.56	0.00
14.40	0.46	0.137	92.61	0.56	0.56	0.00
14.45	0.45	0.136	92.61	0.56	0.56	0.00
14.50	0.45	0.136	92.60	0.56	0.56	0.00
14.55	0.44	0.135	92.60	0.56	0.56	0.00
14.60	0.43	0.135	92.60	0.56	0.56	0.00
14.65	0.42	0.134	92.60	0.56	0.56	0.00
14.70	0.42	0.134	92.59	0.56	0.56	0.00
14.75	0.41	0.133	92.59	0.56	0.56	0.00
14.80	0.40	0.132	92.59	0.56	0.56	0.00
14.85	0.40	0.132	92.59	0.55	0.55	0.00
14.90	0.39	0.131	92.58	0.55	0.55	0.00
14.95	0.38	0.130	92.58	0.55	0.55	0.00
15.00	0.38	0.130	92.58	0.55	0.55	0.00
15.05	0.37	0.129	92.57	0.55	0.55	0.00
15.10	0.36	0.128	92.57	0.55	0.55	0.00
15.15	0.36	0.127	92.57	0.55	0.55	0.00
15.20	0.35	0.127	92.56	0.54	0.54	0.00
15.25	0.34	0.126	92.56	0.54	0.54	0.00
15.30	0.34	0.125	92.56	0.54	0.54	0.00
15.35	0.34	0.124	92.55	0.54	0.54	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.33	0.123	92.55	0.54	0.54	0.00
15.45	0.33	0.123	92.54	0.54	0.54	0.00
15.50	0.32	0.122	92.54	0.53	0.53	0.00
15.55	0.32	0.121	92.54	0.53	0.53	0.00
15.60	0.32	0.120	92.53	0.53	0.53	0.00
15.65	0.31	0.119	92.53	0.53	0.53	0.00
15.70	0.31	0.118	92.53	0.53	0.53	0.00
15.75	0.31	0.117	92.52	0.52	0.52	0.00
15.80	0.31	0.116	92.52	0.52	0.52	0.00
15.85	0.30	0.115	92.51	0.52	0.52	0.00
15.90	0.30	0.115	92.51	0.52	0.52	0.00
15.95	0.30	0.114	92.51	0.52	0.52	0.00
16.00	0.30	0.113	92.50	0.52	0.52	0.00
16.05	0.29	0.112	92.50	0.51	0.51	0.00
16.10	0.29	0.111	92.49	0.51	0.51	0.00
16.15	0.29	0.110	92.49	0.51	0.51	0.00
16.20	0.29	0.109	92.48	0.51	0.51	0.00
16.25	0.29	0.108	92.48	0.51	0.51	0.00
16.30	0.28	0.107	92.48	0.50	0.50	0.00
16.35	0.28	0.106	92.47	0.50	0.50	0.00
16.40	0.28	0.105	92.47	0.50	0.50	0.00
16.45	0.28	0.105	92.46	0.50	0.50	0.00
16.50	0.28	0.104	92.46	0.50	0.50	0.00
16.55	0.27	0.103	92.46	0.50	0.50	0.00
16.60	0.27	0.102	92.45	0.49	0.49	0.00
16.65	0.27	0.101	92.45	0.49	0.49	0.00
16.70	0.27	0.100	92.44	0.49	0.49	0.00
16.75	0.27	0.099	92.44	0.49	0.49	0.00
16.80	0.27	0.098	92.44	0.49	0.49	0.00
16.85	0.26	0.097	92.43	0.48	0.48	0.00
16.90	0.26	0.096	92.43	0.48	0.48	0.00
16.95	0.26	0.095	92.42	0.48	0.48	0.00
17.00	0.26	0.094	92.42	0.48	0.48	0.00
17.05	0.26	0.094	92.42	0.48	0.48	0.00
17.10	0.25	0.093	92.41	0.48	0.48	0.00
17.15	0.25	0.092	92.41	0.47	0.47	0.00
17.20	0.25	0.091	92.40	0.47	0.47	0.00
17.25	0.25	0.090	92.40	0.47	0.47	0.00
17.30	0.25	0.089	92.40	0.47	0.47	0.00
17.35	0.25	0.088	92.39	0.47	0.47	0.00
17.40	0.24	0.087	92.39	0.47	0.47	0.00
17.45	0.24	0.086	92.38	0.46	0.46	0.00
17.50	0.24	0.085	92.38	0.46	0.46	0.00
17.55	0.24	0.084	92.38	0.46	0.46	0.00
17.60	0.24	0.084	92.37	0.46	0.46	0.00
17.65	0.23	0.083	92.37	0.46	0.46	0.00
17.70	0.23	0.082	92.36	0.45	0.45	0.00
17.75	0.23	0.081	92.36	0.45	0.45	0.00
17.80	0.23	0.080	92.35	0.45	0.45	0.00
17.85	0.23	0.079	92.35	0.45	0.45	0.00
17.90	0.23	0.078	92.35	0.45	0.45	0.00
17.95	0.22	0.077	92.34	0.45	0.45	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.22	0.076	92.34	0.44	0.44	0.00
18.05	0.22	0.075	92.33	0.44	0.44	0.00
18.10	0.22	0.074	92.33	0.44	0.44	0.00
18.15	0.22	0.073	92.33	0.44	0.44	0.00
18.20	0.21	0.072	92.32	0.44	0.44	0.00
18.25	0.21	0.072	92.32	0.44	0.44	0.00
18.30	0.21	0.071	92.31	0.43	0.43	0.00
18.35	0.21	0.070	92.31	0.43	0.43	0.00
18.40	0.21	0.069	92.31	0.43	0.43	0.00
18.45	0.21	0.068	92.30	0.43	0.43	0.00
18.50	0.21	0.067	92.30	0.43	0.43	0.00
18.55	0.21	0.066	92.29	0.42	0.42	0.00
18.60	0.20	0.065	92.29	0.42	0.42	0.00
18.65	0.20	0.064	92.29	0.42	0.42	0.00
18.70	0.20	0.063	92.28	0.42	0.42	0.00
18.75	0.20	0.062	92.28	0.42	0.42	0.00
18.80	0.20	0.062	92.27	0.42	0.42	0.00
18.85	0.20	0.061	92.27	0.41	0.41	0.00
18.90	0.20	0.060	92.27	0.41	0.41	0.00
18.95	0.20	0.059	92.26	0.41	0.41	0.00
19.00	0.20	0.058	92.26	0.41	0.41	0.00
19.05	0.20	0.057	92.25	0.41	0.41	0.00
19.10	0.20	0.056	92.25	0.41	0.41	0.00
19.15	0.20	0.055	92.25	0.40	0.40	0.00
19.20	0.20	0.055	92.24	0.40	0.40	0.00
19.25	0.20	0.054	92.24	0.40	0.40	0.00
19.30	0.20	0.053	92.24	0.40	0.40	0.00
19.35	0.19	0.052	92.23	0.40	0.40	0.00
19.40	0.19	0.051	92.23	0.40	0.40	0.00
19.45	0.19	0.050	92.22	0.39	0.39	0.00
19.50	0.19	0.050	92.22	0.39	0.39	0.00
19.55	0.19	0.049	92.22	0.39	0.39	0.00
19.60	0.19	0.048	92.21	0.39	0.39	0.00
19.65	0.19	0.047	92.21	0.39	0.39	0.00
19.70	0.19	0.046	92.21	0.39	0.39	0.00
19.75	0.19	0.046	92.20	0.39	0.39	0.00
19.80	0.19	0.045	92.20	0.38	0.38	0.00
19.85	0.19	0.044	92.20	0.38	0.38	0.00
19.90	0.19	0.043	92.19	0.38	0.38	0.00
19.95	0.19	0.042	92.19	0.38	0.38	0.00
20.00	0.19	0.042	92.18	0.38	0.38	0.00
20.05	0.19	0.041	92.18	0.38	0.38	0.00
20.10	0.19	0.040	92.18	0.38	0.38	0.00
20.15	0.19	0.039	92.17	0.37	0.37	0.00
20.20	0.19	0.038	92.17	0.37	0.37	0.00
20.25	0.19	0.038	92.17	0.37	0.37	0.00
20.30	0.19	0.037	92.16	0.37	0.37	0.00
20.35	0.19	0.036	92.16	0.37	0.37	0.00
20.40	0.19	0.035	92.16	0.37	0.37	0.00
20.45	0.18	0.035	92.15	0.37	0.37	0.00
20.50	0.18	0.034	92.15	0.36	0.36	0.00
20.55	0.18	0.033	92.15	0.36	0.36	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.18	0.032	92.14	0.36	0.36	0.00
20.65	0.18	0.032	92.14	0.36	0.36	0.00
20.70	0.18	0.031	92.14	0.36	0.36	0.00
20.75	0.18	0.030	92.13	0.36	0.36	0.00
20.80	0.18	0.030	92.13	0.36	0.36	0.00
20.85	0.18	0.029	92.13	0.35	0.35	0.00
20.90	0.18	0.028	92.12	0.35	0.35	0.00
20.95	0.18	0.027	92.12	0.35	0.35	0.00
21.00	0.18	0.027	92.12	0.35	0.35	0.00
21.05	0.18	0.026	92.12	0.35	0.35	0.00
21.10	0.18	0.025	92.11	0.35	0.35	0.00
21.15	0.18	0.025	92.11	0.35	0.35	0.00
21.20	0.18	0.024	92.11	0.35	0.35	0.00
21.25	0.18	0.023	92.10	0.34	0.34	0.00
21.30	0.18	0.023	92.10	0.34	0.34	0.00
21.35	0.18	0.022	92.10	0.34	0.34	0.00
21.40	0.18	0.021	92.09	0.34	0.34	0.00
21.45	0.18	0.020	92.09	0.34	0.34	0.00
21.50	0.18	0.020	92.09	0.34	0.34	0.00
21.55	0.18	0.019	92.09	0.34	0.34	0.00
21.60	0.18	0.018	92.08	0.34	0.34	0.00
21.65	0.17	0.018	92.08	0.33	0.33	0.00
21.70	0.17	0.017	92.08	0.33	0.33	0.00
21.75	0.17	0.016	92.07	0.33	0.33	0.00
21.80	0.17	0.016	92.07	0.33	0.33	0.00
21.85	0.17	0.015	92.07	0.33	0.33	0.00
21.90	0.17	0.015	92.06	0.33	0.33	0.00
21.95	0.17	0.014	92.06	0.33	0.33	0.00
22.00	0.17	0.013	92.06	0.33	0.33	0.00
22.05	0.17	0.013	92.06	0.33	0.33	0.00
22.10	0.17	0.012	92.05	0.32	0.32	0.00
22.15	0.17	0.011	92.05	0.32	0.32	0.00
22.20	0.17	0.011	92.05	0.32	0.32	0.00
22.25	0.17	0.010	92.04	0.32	0.32	0.00
22.30	0.17	0.009	92.04	0.32	0.32	0.00
22.35	0.17	0.009	92.04	0.31	0.31	0.00
22.40	0.17	0.008	92.04	0.29	0.29	0.00
22.45	0.17	0.008	92.03	0.28	0.28	0.00
22.50	0.17	0.007	92.03	0.26	0.26	0.00
22.55	0.17	0.007	92.03	0.25	0.25	0.00
22.60	0.17	0.007	92.03	0.24	0.24	0.00
22.65	0.17	0.006	92.03	0.23	0.23	0.00
22.70	0.16	0.006	92.03	0.22	0.22	0.00
22.75	0.16	0.006	92.03	0.21	0.21	0.00
22.80	0.16	0.006	92.03	0.21	0.21	0.00
22.85	0.16	0.006	92.03	0.20	0.20	0.00
22.90	0.16	0.005	92.02	0.19	0.19	0.00
22.95	0.16	0.005	92.02	0.19	0.19	0.00
23.00	0.16	0.005	92.02	0.19	0.19	0.00
23.05	0.16	0.005	92.02	0.18	0.18	0.00
23.10	0.16	0.005	92.02	0.18	0.18	0.00
23.15	0.16	0.005	92.02	0.18	0.18	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.16	0.005	92.02	0.18	0.18	0.00
23.25	0.16	0.005	92.02	0.17	0.17	0.00
23.30	0.16	0.005	92.02	0.17	0.17	0.00
23.35	0.16	0.005	92.02	0.17	0.17	0.00
23.40	0.16	0.005	92.02	0.17	0.17	0.00
23.45	0.16	0.005	92.02	0.17	0.17	0.00
23.50	0.16	0.005	92.02	0.17	0.17	0.00
23.55	0.16	0.005	92.02	0.16	0.16	0.00
23.60	0.16	0.005	92.02	0.16	0.16	0.00
23.65	0.16	0.005	92.02	0.16	0.16	0.00
23.70	0.16	0.005	92.02	0.16	0.16	0.00
23.75	0.15	0.005	92.02	0.16	0.16	0.00
23.80	0.15	0.005	92.02	0.16	0.16	0.00
23.85	0.15	0.004	92.02	0.16	0.16	0.00
23.90	0.15	0.004	92.02	0.16	0.16	0.00
23.95	0.15	0.004	92.02	0.16	0.16	0.00
24.00	0.15	0.004	92.02	0.16	0.16	0.00
24.05	0.15	0.004	92.02	0.16	0.16	0.00
24.10	0.14	0.004	92.02	0.16	0.16	0.00
24.15	0.13	0.004	92.02	0.15	0.15	0.00
24.20	0.12	0.004	92.02	0.15	0.15	0.00
24.25	0.11	0.004	92.02	0.14	0.14	0.00
24.30	0.10	0.004	92.02	0.14	0.14	0.00
24.35	0.09	0.004	92.02	0.13	0.13	0.00
24.40	0.08	0.004	92.02	0.13	0.13	0.00
24.45	0.07	0.003	92.01	0.12	0.12	0.00
24.50	0.06	0.003	92.01	0.11	0.11	0.00
24.55	0.05	0.003	92.01	0.10	0.10	0.00
24.60	0.05	0.003	92.01	0.10	0.10	0.00
24.65	0.04	0.003	92.01	0.09	0.09	0.00
24.70	0.04	0.002	92.01	0.08	0.08	0.00
24.75	0.04	0.002	92.01	0.08	0.08	0.00
24.80	0.03	0.002	92.01	0.07	0.07	0.00
24.85	0.03	0.002	92.01	0.07	0.07	0.00
24.90	0.03	0.002	92.01	0.06	0.06	0.00
24.95	0.02	0.002	92.01	0.06	0.06	0.00
25.00	0.02	0.001	92.01	0.05	0.05	0.00
25.05	0.02	0.001	92.01	0.05	0.05	0.00
25.10	0.02	0.001	92.01	0.04	0.04	0.00
25.15	0.02	0.001	92.00	0.04	0.04	0.00
25.20	0.01	0.001	92.00	0.04	0.04	0.00
25.25	0.01	0.001	92.00	0.03	0.03	0.00
25.30	0.01	0.001	92.00	0.03	0.03	0.00
25.35	0.01	0.001	92.00	0.03	0.03	0.00
25.40	0.01	0.001	92.00	0.02	0.02	0.00
25.45	0.01	0.001	92.00	0.02	0.02	0.00
25.50	0.01	0.001	92.00	0.02	0.02	0.00
25.55	0.01	0.001	92.00	0.02	0.02	0.00
25.60	0.01	0.000	92.00	0.02	0.02	0.00
25.65	0.00	0.000	92.00	0.02	0.02	0.00
25.70	0.00	0.000	92.00	0.01	0.01	0.00
25.75	0.00	0.000	92.00	0.01	0.01	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	92.00	0.01	0.01	0.00
25.85	0.00	0.000	92.00	0.01	0.01	0.00
25.90	0.00	0.000	92.00	0.01	0.01	0.00
25.95	0.00	0.000	92.00	0.01	0.01	0.00
26.00	0.00	0.000	92.00	0.01	0.01	0.00
26.05	0.00	0.000	92.00	0.01	0.01	0.00
26.10	0.00	0.000	92.00	0.01	0.01	0.00
26.15	0.00	0.000	92.00	0.01	0.01	0.00
26.20	0.00	0.000	92.00	0.00	0.00	0.00
26.25	0.00	0.000	92.00	0.00	0.00	0.00
26.30	0.00	0.000	92.00	0.00	0.00	0.00
26.35	0.00	0.000	92.00	0.00	0.00	0.00
26.40	0.00	0.000	92.00	0.00	0.00	0.00
26.45	0.00	0.000	92.00	0.00	0.00	0.00
26.50	0.00	0.000	92.00	0.00	0.00	0.00
26.55	0.00	0.000	92.00	0.00	0.00	0.00
26.60	0.00	0.000	92.00	0.00	0.00	0.00
26.65	0.00	0.000	92.00	0.00	0.00	0.00
26.70	0.00	0.000	92.00	0.00	0.00	0.00
26.75	0.00	0.000	92.00	0.00	0.00	0.00
26.80	0.00	0.000	92.00	0.00	0.00	0.00
26.85	0.00	0.000	92.00	0.00	0.00	0.00
26.90	0.00	0.000	92.00	0.00	0.00	0.00
26.95	0.00	0.000	92.00	0.00	0.00	0.00
27.00	0.00	0.000	92.00	0.00	0.00	0.00
27.05	0.00	0.000	92.00	0.00	0.00	0.00
27.10	0.00	0.000	92.00	0.00	0.00	0.00
27.15	0.00	0.000	92.00	0.00	0.00	0.00
27.20	0.00	0.000	92.00	0.00	0.00	0.00
27.25	0.00	0.000	92.00	0.00	0.00	0.00
27.30	0.00	0.000	92.00	0.00	0.00	0.00
27.35	0.00	0.000	92.00	0.00	0.00	0.00
27.40	0.00	0.000	92.00	0.00	0.00	0.00
27.45	0.00	0.000	92.00	0.00	0.00	0.00
27.50	0.00	0.000	92.00	0.00	0.00	0.00
27.55	0.00	0.000	92.00	0.00	0.00	0.00
27.60	0.00	0.000	92.00	0.00	0.00	0.00
27.65	0.00	0.000	92.00	0.00	0.00	0.00
27.70	0.00	0.000	92.00	0.00	0.00	0.00
27.75	0.00	0.000	92.00	0.00	0.00	0.00
27.80	0.00	0.000	92.00	0.00	0.00	0.00
27.85	0.00	0.000	92.00	0.00	0.00	0.00
27.90	0.00	0.000	92.00	0.00	0.00	0.00
27.95	0.00	0.000	92.00	0.00	0.00	0.00
28.00	0.00	0.000	92.00	0.00	0.00	0.00
28.05	0.00	0.000	92.00	0.00	0.00	0.00
28.10	0.00	0.000	92.00	0.00	0.00	0.00
28.15	0.00	0.000	92.00	0.00	0.00	0.00
28.20	0.00	0.000	92.00	0.00	0.00	0.00
28.25	0.00	0.000	92.00	0.00	0.00	0.00
28.30	0.00	0.000	92.00	0.00	0.00	0.00
28.35	0.00	0.000	92.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	92.00	0.00	0.00	0.00
28.45	0.00	0.000	92.00	0.00	0.00	0.00
28.50	0.00	0.000	92.00	0.00	0.00	0.00
28.55	0.00	0.000	92.00	0.00	0.00	0.00
28.60	0.00	0.000	92.00	0.00	0.00	0.00
28.65	0.00	0.000	92.00	0.00	0.00	0.00
28.70	0.00	0.000	92.00	0.00	0.00	0.00
28.75	0.00	0.000	92.00	0.00	0.00	0.00
28.80	0.00	0.000	92.00	0.00	0.00	0.00
28.85	0.00	0.000	92.00	0.00	0.00	0.00
28.90	0.00	0.000	92.00	0.00	0.00	0.00
28.95	0.00	0.000	92.00	0.00	0.00	0.00
29.00	0.00	0.000	92.00	0.00	0.00	0.00
29.05	0.00	0.000	92.00	0.00	0.00	0.00
29.10	0.00	0.000	92.00	0.00	0.00	0.00
29.15	0.00	0.000	92.00	0.00	0.00	0.00
29.20	0.00	0.000	92.00	0.00	0.00	0.00
29.25	0.00	0.000	92.00	0.00	0.00	0.00
29.30	0.00	0.000	92.00	0.00	0.00	0.00
29.35	0.00	0.000	92.00	0.00	0.00	0.00
29.40	0.00	0.000	92.00	0.00	0.00	0.00
29.45	0.00	0.000	92.00	0.00	0.00	0.00
29.50	0.00	0.000	92.00	0.00	0.00	0.00
29.55	0.00	0.000	92.00	0.00	0.00	0.00
29.60	0.00	0.000	92.00	0.00	0.00	0.00
29.65	0.00	0.000	92.00	0.00	0.00	0.00
29.70	0.00	0.000	92.00	0.00	0.00	0.00
29.75	0.00	0.000	92.00	0.00	0.00	0.00
29.80	0.00	0.000	92.00	0.00	0.00	0.00
29.85	0.00	0.000	92.00	0.00	0.00	0.00
29.90	0.00	0.000	92.00	0.00	0.00	0.00
29.95	0.00	0.000	92.00	0.00	0.00	0.00
30.00	0.00	0.000	92.00	0.00	0.00	0.00

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Time span=5.00-30.00 hrs, dt=0.05 hrs, 501 points
Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment Basin 1 Imp: Basin 1 Imp Runoff Area=0.600 ac 100.00% Impervious Runoff Depth>1.02"
Tc=10.0 min CN=98 Runoff=0.41 cfs 0.051 af

Subcatchment Basin 1 Pervious: Basin 1 - Runoff Area=2.100 ac 0.00% Impervious Runoff Depth=0.00"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment Basin 1 Roof: Basin 1 Roof Runoff Area=0.500 ac 100.00% Impervious Runoff Depth>1.02"
Tc=10.0 min CN=98 Runoff=0.34 cfs 0.043 af

Subcatchment Basin 2 Impervious: Basin Runoff Area=0.800 ac 100.00% Impervious Runoff Depth>1.02"
Tc=10.0 min CN=98 Runoff=0.54 cfs 0.068 af

Subcatchment Basin 2 Pervious: Basin 2 - Runoff Area=2.050 ac 0.00% Impervious Runoff Depth=0.00"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment Basin 2 Roof: Basin 2 Roof Runoff Area=0.350 ac 100.00% Impervious Runoff Depth>1.02"
Tc=10.0 min CN=98 Runoff=0.24 cfs 0.030 af

Subcatchment Basin 3 Impervious: Basin Runoff Area=1.200 ac 100.00% Impervious Runoff Depth>1.02"
Tc=10.0 min CN=98 Runoff=0.82 cfs 0.102 af

Subcatchment Basin 3 Pervious: Basin 3 - Runoff Area=3.300 ac 0.00% Impervious Runoff Depth=0.00"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment Basin 4 & 5 - Pervious: Basin Runoff Area=3.100 ac 0.00% Impervious Runoff Depth=0.00"
Flow Length=1,440' Tc=17.3 min CN=39 Runoff=0.00 cfs 0.000 af

Subcatchment Basin 4 & 5- Impervious: Runoff Area=1.100 ac 100.00% Impervious Runoff Depth>1.02"
Tc=10.0 min CN=98 Runoff=0.75 cfs 0.094 af

Subcatchment Basin 6 Impervious: Basin Runoff Area=0.400 ac 100.00% Impervious Runoff Depth>1.02"
Tc=10.0 min CN=98 Runoff=0.27 cfs 0.034 af

Subcatchment Basin 6 Pervious: Basin 6 - Runoff Area=1.500 ac 0.00% Impervious Runoff Depth=0.00"
Flow Length=1,580' Tc=27.3 min CN=39 Runoff=0.00 cfs 0.000 af

Reach Site: Site Inflow=0.00 cfs 0.000 af
Outflow=0.00 cfs 0.000 af

Pond Basin 1: Basin 1 Peak Elev=89.36' Storage=0.027 af Inflow=0.75 cfs 0.094 af
Discarded=0.16 cfs 0.094 af Primary=0.00 cfs 0.000 af Outflow=0.16 cfs 0.094 af

Pond Basin 2: Basin 2 Peak Elev=87.19' Storage=0.023 af Inflow=0.78 cfs 0.098 af
Discarded=0.22 cfs 0.098 af Primary=0.00 cfs 0.000 af Outflow=0.22 cfs 0.098 af

Pond Basin 3: Basin 3 Peak Elev=86.07' Storage=0.016 af Inflow=0.82 cfs 0.102 af
Discarded=0.43 cfs 0.102 af Primary=0.00 cfs 0.000 af Outflow=0.43 cfs 0.102 af

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Pond Basin 4 & 5: Basin 4 & 5

Peak Elev=88.21' Storage=0.023 af Inflow=0.75 cfs 0.094 af
Discarded=0.21 cfs 0.094 af Primary=0.00 cfs 0.000 af Outflow=0.21 cfs 0.094 af

Pond Basin 6: Basin 6

Peak Elev=92.02' Storage=0.005 af Inflow=0.27 cfs 0.034 af
Discarded=0.17 cfs 0.034 af Primary=0.00 cfs 0.000 af Outflow=0.17 cfs 0.034 af

Total Runoff Area = 17.000 ac Runoff Volume = 0.422 af Average Runoff Depth = 0.30"
70.88% Pervious = 12.050 ac 29.12% Impervious = 4.950 ac

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Summary for Subcatchment Basin 1 Imp: Basin 1 Imp

Runoff = 0.41 cfs @ 12.19 hrs, Volume= 0.051 af, Depth> 1.02"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D WQ storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.350	98	Pavement & Sidewalk
* 0.250	98	Driveways
0.600	98	Weighted Average
0.600		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.01	0.01	7.60	0.18	0.05	0.01
5.05	0.11	0.02	0.01	7.65	0.18	0.06	0.01
5.10	0.11	0.02	0.01	7.70	0.18	0.06	0.01
5.15	0.11	0.02	0.01	7.75	0.18	0.06	0.01
5.20	0.11	0.02	0.01	7.80	0.18	0.06	0.01
5.25	0.11	0.02	0.01	7.85	0.19	0.06	0.01
5.30	0.11	0.02	0.01	7.90	0.19	0.06	0.01
5.35	0.11	0.02	0.01	7.95	0.19	0.06	0.01
5.40	0.11	0.02	0.01	8.00	0.19	0.06	0.01
5.45	0.11	0.02	0.01	8.05	0.19	0.06	0.01
5.50	0.12	0.02	0.01	8.10	0.19	0.07	0.01
5.55	0.12	0.02	0.01	8.15	0.20	0.07	0.01
5.60	0.12	0.02	0.01	8.20	0.20	0.07	0.01
5.65	0.12	0.02	0.01	8.25	0.20	0.07	0.01
5.70	0.12	0.02	0.01	8.30	0.20	0.07	0.01
5.75	0.12	0.02	0.01	8.35	0.20	0.07	0.01
5.80	0.12	0.02	0.01	8.40	0.21	0.07	0.02
5.85	0.12	0.02	0.01	8.45	0.21	0.07	0.02
5.90	0.13	0.03	0.01	8.50	0.21	0.08	0.02
5.95	0.13	0.03	0.01	8.55	0.21	0.08	0.02
6.00	0.13	0.03	0.01	8.60	0.21	0.08	0.02
6.05	0.13	0.03	0.01	8.65	0.22	0.08	0.02
6.10	0.13	0.03	0.01	8.70	0.22	0.08	0.02
6.15	0.13	0.03	0.01	8.75	0.22	0.08	0.02
6.20	0.13	0.03	0.01	8.80	0.22	0.08	0.02
6.25	0.14	0.03	0.01	8.85	0.22	0.09	0.02
6.30	0.14	0.03	0.01	8.90	0.23	0.09	0.02
6.35	0.14	0.03	0.01	8.95	0.23	0.09	0.02
6.40	0.14	0.03	0.01	9.00	0.23	0.09	0.02
6.45	0.14	0.03	0.01	9.05	0.23	0.09	0.02
6.50	0.14	0.03	0.01	9.10	0.23	0.09	0.02
6.55	0.14	0.03	0.01	9.15	0.24	0.10	0.02
6.60	0.15	0.04	0.01	9.20	0.24	0.10	0.02
6.65	0.15	0.04	0.01	9.25	0.24	0.10	0.02
6.70	0.15	0.04	0.01	9.30	0.24	0.10	0.02
6.75	0.15	0.04	0.01	9.35	0.25	0.10	0.02
6.80	0.15	0.04	0.01	9.40	0.25	0.10	0.02
6.85	0.15	0.04	0.01	9.45	0.25	0.11	0.02
6.90	0.15	0.04	0.01	9.50	0.25	0.11	0.02
6.95	0.16	0.04	0.01	9.55	0.26	0.11	0.02
7.00	0.16	0.04	0.01	9.60	0.26	0.11	0.02
7.05	0.16	0.04	0.01	9.65	0.26	0.11	0.02
7.10	0.16	0.04	0.01	9.70	0.26	0.12	0.02
7.15	0.16	0.04	0.01	9.75	0.27	0.12	0.02
7.20	0.16	0.05	0.01	9.80	0.27	0.12	0.02
7.25	0.16	0.05	0.01	9.85	0.27	0.12	0.02
7.30	0.17	0.05	0.01	9.90	0.27	0.12	0.02
7.35	0.17	0.05	0.01	9.95	0.28	0.13	0.03
7.40	0.17	0.05	0.01	10.00	0.28	0.13	0.03
7.45	0.17	0.05	0.01	10.05	0.28	0.13	0.03
7.50	0.17	0.05	0.01	10.10	0.29	0.13	0.03
7.55	0.17	0.05	0.01	10.15	0.29	0.14	0.03

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.14	0.03	12.80	0.87	0.67	0.11
10.25	0.30	0.14	0.03	12.85	0.88	0.67	0.10
10.30	0.30	0.14	0.03	12.90	0.88	0.68	0.09
10.35	0.30	0.15	0.03	12.95	0.89	0.68	0.09
10.40	0.31	0.15	0.03	13.00	0.89	0.69	0.08
10.45	0.31	0.15	0.03	13.05	0.90	0.69	0.08
10.50	0.31	0.15	0.03	13.10	0.90	0.70	0.07
10.55	0.32	0.16	0.03	13.15	0.91	0.70	0.07
10.60	0.32	0.16	0.03	13.20	0.91	0.71	0.06
10.65	0.32	0.16	0.03	13.25	0.92	0.71	0.06
10.70	0.33	0.17	0.03	13.30	0.92	0.72	0.06
10.75	0.33	0.17	0.04	13.35	0.93	0.72	0.06
10.80	0.34	0.17	0.04	13.40	0.93	0.72	0.05
10.85	0.34	0.18	0.04	13.45	0.93	0.73	0.05
10.90	0.35	0.18	0.04	13.50	0.94	0.73	0.05
10.95	0.35	0.19	0.04	13.55	0.94	0.73	0.05
11.00	0.36	0.19	0.04	13.60	0.94	0.74	0.05
11.05	0.36	0.20	0.04	13.65	0.95	0.74	0.05
11.10	0.37	0.20	0.05	13.70	0.95	0.74	0.04
11.15	0.37	0.20	0.05	13.75	0.95	0.75	0.04
11.20	0.38	0.21	0.05	13.80	0.96	0.75	0.04
11.25	0.38	0.22	0.05	13.85	0.96	0.75	0.04
11.30	0.39	0.22	0.06	13.90	0.96	0.76	0.04
11.35	0.40	0.23	0.06	13.95	0.97	0.76	0.04
11.40	0.40	0.23	0.06	14.00	0.97	0.76	0.04
11.45	0.41	0.24	0.06	14.05	0.97	0.76	0.04
11.50	0.42	0.25	0.07	14.10	0.98	0.77	0.04
11.55	0.43	0.25	0.07	14.15	0.98	0.77	0.04
11.60	0.44	0.26	0.07	14.20	0.98	0.77	0.04
11.65	0.45	0.27	0.08	14.25	0.98	0.78	0.04
11.70	0.46	0.28	0.09	14.30	0.99	0.78	0.03
11.75	0.47	0.29	0.09	14.35	0.99	0.78	0.03
11.80	0.49	0.31	0.10	14.40	0.99	0.78	0.03
11.85	0.51	0.32	0.11	14.45	0.99	0.79	0.03
11.90	0.53	0.34	0.13	14.50	1.00	0.79	0.03
11.95	0.56	0.38	0.16	14.55	1.00	0.79	0.03
12.00	0.60	0.41	0.19	14.60	1.00	0.79	0.03
12.05	0.66	0.47	0.25	14.65	1.00	0.80	0.03
12.10	0.72	0.53	0.32	14.70	1.01	0.80	0.03
12.15	0.74	0.54	0.39	14.75	1.01	0.80	0.03
12.20	0.76	0.56	0.41	14.80	1.01	0.80	0.03
12.25	0.78	0.58	0.37	14.85	1.01	0.80	0.03
12.30	0.79	0.59	0.33	14.90	1.02	0.81	0.03
12.35	0.80	0.60	0.30	14.95	1.02	0.81	0.03
12.40	0.81	0.61	0.26	15.00	1.02	0.81	0.03
12.45	0.82	0.62	0.23	15.05	1.02	0.81	0.03
12.50	0.83	0.63	0.20	15.10	1.02	0.81	0.03
12.55	0.84	0.64	0.18	15.15	1.03	0.82	0.03
12.60	0.85	0.64	0.16	15.20	1.03	0.82	0.03
12.65	0.85	0.65	0.14	15.25	1.03	0.82	0.03
12.70	0.86	0.66	0.13	15.30	1.03	0.82	0.02
12.75	0.87	0.66	0.12	15.35	1.03	0.82	0.02

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.83	0.02	18.00	1.12	0.91	0.02
15.45	1.04	0.83	0.02	18.05	1.12	0.91	0.02
15.50	1.04	0.83	0.02	18.10	1.12	0.91	0.02
15.55	1.04	0.83	0.02	18.15	1.13	0.91	0.02
15.60	1.04	0.83	0.02	18.20	1.13	0.91	0.02
15.65	1.05	0.84	0.02	18.25	1.13	0.91	0.02
15.70	1.05	0.84	0.02	18.30	1.13	0.92	0.02
15.75	1.05	0.84	0.02	18.35	1.13	0.92	0.02
15.80	1.05	0.84	0.02	18.40	1.13	0.92	0.01
15.85	1.05	0.84	0.02	18.45	1.13	0.92	0.01
15.90	1.06	0.85	0.02	18.50	1.13	0.92	0.01
15.95	1.06	0.85	0.02	18.55	1.14	0.92	0.01
16.00	1.06	0.85	0.02	18.60	1.14	0.92	0.01
16.05	1.06	0.85	0.02	18.65	1.14	0.92	0.01
16.10	1.06	0.85	0.02	18.70	1.14	0.93	0.01
16.15	1.06	0.85	0.02	18.75	1.14	0.93	0.01
16.20	1.07	0.86	0.02	18.80	1.14	0.93	0.01
16.25	1.07	0.86	0.02	18.85	1.14	0.93	0.01
16.30	1.07	0.86	0.02	18.90	1.14	0.93	0.01
16.35	1.07	0.86	0.02	18.95	1.14	0.93	0.01
16.40	1.07	0.86	0.02	19.00	1.15	0.93	0.01
16.45	1.08	0.86	0.02	19.05	1.15	0.93	0.01
16.50	1.08	0.87	0.02	19.10	1.15	0.94	0.01
16.55	1.08	0.87	0.02	19.15	1.15	0.94	0.01
16.60	1.08	0.87	0.02	19.20	1.15	0.94	0.01
16.65	1.08	0.87	0.02	19.25	1.15	0.94	0.01
16.70	1.08	0.87	0.02	19.30	1.15	0.94	0.01
16.75	1.09	0.87	0.02	19.35	1.15	0.94	0.01
16.80	1.09	0.88	0.02	19.40	1.16	0.94	0.01
16.85	1.09	0.88	0.02	19.45	1.16	0.94	0.01
16.90	1.09	0.88	0.02	19.50	1.16	0.94	0.01
16.95	1.09	0.88	0.02	19.55	1.16	0.95	0.01
17.00	1.09	0.88	0.02	19.60	1.16	0.95	0.01
17.05	1.09	0.88	0.02	19.65	1.16	0.95	0.01
17.10	1.10	0.88	0.02	19.70	1.16	0.95	0.01
17.15	1.10	0.89	0.02	19.75	1.16	0.95	0.01
17.20	1.10	0.89	0.02	19.80	1.16	0.95	0.01
17.25	1.10	0.89	0.02	19.85	1.17	0.95	0.01
17.30	1.10	0.89	0.02	19.90	1.17	0.95	0.01
17.35	1.10	0.89	0.02	19.95	1.17	0.95	0.01
17.40	1.10	0.89	0.02	20.00	1.17	0.96	0.01
17.45	1.11	0.89	0.02	20.05	1.17	0.96	0.01
17.50	1.11	0.90	0.02	20.10	1.17	0.96	0.01
17.55	1.11	0.90	0.02	20.15	1.17	0.96	0.01
17.60	1.11	0.90	0.02	20.20	1.17	0.96	0.01
17.65	1.11	0.90	0.02	20.25	1.18	0.96	0.01
17.70	1.11	0.90	0.02	20.30	1.18	0.96	0.01
17.75	1.11	0.90	0.02	20.35	1.18	0.96	0.01
17.80	1.12	0.90	0.02	20.40	1.18	0.96	0.01
17.85	1.12	0.90	0.02	20.45	1.18	0.97	0.01
17.90	1.12	0.91	0.02	20.50	1.18	0.97	0.01
17.95	1.12	0.91	0.02	20.55	1.18	0.97	0.01

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.97	0.01	23.20	1.24	1.02	0.01
20.65	1.18	0.97	0.01	23.25	1.24	1.02	0.01
20.70	1.19	0.97	0.01	23.30	1.24	1.02	0.01
20.75	1.19	0.97	0.01	23.35	1.24	1.02	0.01
20.80	1.19	0.97	0.01	23.40	1.24	1.02	0.01
20.85	1.19	0.97	0.01	23.45	1.24	1.02	0.01
20.90	1.19	0.98	0.01	23.50	1.24	1.03	0.01
20.95	1.19	0.98	0.01	23.55	1.24	1.03	0.01
21.00	1.19	0.98	0.01	23.60	1.24	1.03	0.01
21.05	1.19	0.98	0.01	23.65	1.24	1.03	0.01
21.10	1.19	0.98	0.01	23.70	1.24	1.03	0.01
21.15	1.19	0.98	0.01	23.75	1.25	1.03	0.01
21.20	1.20	0.98	0.01	23.80	1.25	1.03	0.01
21.25	1.20	0.98	0.01	23.85	1.25	1.03	0.01
21.30	1.20	0.98	0.01	23.90	1.25	1.03	0.01
21.35	1.20	0.98	0.01	23.95	1.25	1.03	0.01
21.40	1.20	0.99	0.01	24.00	1.25	1.03	0.01
21.45	1.20	0.99	0.01	24.05	1.25	1.03	0.01
21.50	1.20	0.99	0.01	24.10	1.25	1.03	0.01
21.55	1.20	0.99	0.01	24.15	1.25	1.03	0.01
21.60	1.20	0.99	0.01	24.20	1.25	1.03	0.01
21.65	1.21	0.99	0.01	24.25	1.25	1.03	0.00
21.70	1.21	0.99	0.01	24.30	1.25	1.03	0.00
21.75	1.21	0.99	0.01	24.35	1.25	1.03	0.00
21.80	1.21	0.99	0.01	24.40	1.25	1.03	0.00
21.85	1.21	0.99	0.01	24.45	1.25	1.03	0.00
21.90	1.21	1.00	0.01	24.50	1.25	1.03	0.00
21.95	1.21	1.00	0.01	24.55	1.25	1.03	0.00
22.00	1.21	1.00	0.01	24.60	1.25	1.03	0.00
22.05	1.21	1.00	0.01	24.65	1.25	1.03	0.00
22.10	1.21	1.00	0.01	24.70	1.25	1.03	0.00
22.15	1.22	1.00	0.01	24.75	1.25	1.03	0.00
22.20	1.22	1.00	0.01	24.80	1.25	1.03	0.00
22.25	1.22	1.00	0.01	24.85	1.25	1.03	0.00
22.30	1.22	1.00	0.01	24.90	1.25	1.03	0.00
22.35	1.22	1.00	0.01	24.95	1.25	1.03	0.00
22.40	1.22	1.01	0.01	25.00	1.25	1.03	0.00
22.45	1.22	1.01	0.01	25.05	1.25	1.03	0.00
22.50	1.22	1.01	0.01	25.10	1.25	1.03	0.00
22.55	1.22	1.01	0.01	25.15	1.25	1.03	0.00
22.60	1.22	1.01	0.01	25.20	1.25	1.03	0.00
22.65	1.23	1.01	0.01	25.25	1.25	1.03	0.00
22.70	1.23	1.01	0.01	25.30	1.25	1.03	0.00
22.75	1.23	1.01	0.01	25.35	1.25	1.03	0.00
22.80	1.23	1.01	0.01	25.40	1.25	1.03	0.00
22.85	1.23	1.01	0.01	25.45	1.25	1.03	0.00
22.90	1.23	1.01	0.01	25.50	1.25	1.03	0.00
22.95	1.23	1.02	0.01	25.55	1.25	1.03	0.00
23.00	1.23	1.02	0.01	25.60	1.25	1.03	0.00
23.05	1.23	1.02	0.01	25.65	1.25	1.03	0.00
23.10	1.23	1.02	0.01	25.70	1.25	1.03	0.00
23.15	1.23	1.02	0.01	25.75	1.25	1.03	0.00

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Hydrograph for Subcatchment Basin 1 Imp: Basin 1 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	1.03	0.00	28.40	1.25	1.03	0.00
25.85	1.25	1.03	0.00	28.45	1.25	1.03	0.00
25.90	1.25	1.03	0.00	28.50	1.25	1.03	0.00
25.95	1.25	1.03	0.00	28.55	1.25	1.03	0.00
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00				
27.50	1.25	1.03	0.00				
27.55	1.25	1.03	0.00				
27.60	1.25	1.03	0.00				
27.65	1.25	1.03	0.00				
27.70	1.25	1.03	0.00				
27.75	1.25	1.03	0.00				
27.80	1.25	1.03	0.00				
27.85	1.25	1.03	0.00				
27.90	1.25	1.03	0.00				
27.95	1.25	1.03	0.00				
28.00	1.25	1.03	0.00				
28.05	1.25	1.03	0.00				
28.10	1.25	1.03	0.00				
28.15	1.25	1.03	0.00				
28.20	1.25	1.03	0.00				
28.25	1.25	1.03	0.00				
28.30	1.25	1.03	0.00				
28.35	1.25	1.03	0.00				

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Summary for Subcatchment Basin 1 Pervious: Basin 1 - Pervious

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D WQ storm Rainfall=1.25"

Area (ac)	CN	Description
* 2.100	39	lawn, A soils
2.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.00	0.00	7.60	0.18	0.00	0.00
5.05	0.11	0.00	0.00	7.65	0.18	0.00	0.00
5.10	0.11	0.00	0.00	7.70	0.18	0.00	0.00
5.15	0.11	0.00	0.00	7.75	0.18	0.00	0.00
5.20	0.11	0.00	0.00	7.80	0.18	0.00	0.00
5.25	0.11	0.00	0.00	7.85	0.19	0.00	0.00
5.30	0.11	0.00	0.00	7.90	0.19	0.00	0.00
5.35	0.11	0.00	0.00	7.95	0.19	0.00	0.00
5.40	0.11	0.00	0.00	8.00	0.19	0.00	0.00
5.45	0.11	0.00	0.00	8.05	0.19	0.00	0.00
5.50	0.12	0.00	0.00	8.10	0.19	0.00	0.00
5.55	0.12	0.00	0.00	8.15	0.20	0.00	0.00
5.60	0.12	0.00	0.00	8.20	0.20	0.00	0.00
5.65	0.12	0.00	0.00	8.25	0.20	0.00	0.00
5.70	0.12	0.00	0.00	8.30	0.20	0.00	0.00
5.75	0.12	0.00	0.00	8.35	0.20	0.00	0.00
5.80	0.12	0.00	0.00	8.40	0.21	0.00	0.00
5.85	0.12	0.00	0.00	8.45	0.21	0.00	0.00
5.90	0.13	0.00	0.00	8.50	0.21	0.00	0.00
5.95	0.13	0.00	0.00	8.55	0.21	0.00	0.00
6.00	0.13	0.00	0.00	8.60	0.21	0.00	0.00
6.05	0.13	0.00	0.00	8.65	0.22	0.00	0.00
6.10	0.13	0.00	0.00	8.70	0.22	0.00	0.00
6.15	0.13	0.00	0.00	8.75	0.22	0.00	0.00
6.20	0.13	0.00	0.00	8.80	0.22	0.00	0.00
6.25	0.14	0.00	0.00	8.85	0.22	0.00	0.00
6.30	0.14	0.00	0.00	8.90	0.23	0.00	0.00
6.35	0.14	0.00	0.00	8.95	0.23	0.00	0.00
6.40	0.14	0.00	0.00	9.00	0.23	0.00	0.00
6.45	0.14	0.00	0.00	9.05	0.23	0.00	0.00
6.50	0.14	0.00	0.00	9.10	0.23	0.00	0.00
6.55	0.14	0.00	0.00	9.15	0.24	0.00	0.00
6.60	0.15	0.00	0.00	9.20	0.24	0.00	0.00
6.65	0.15	0.00	0.00	9.25	0.24	0.00	0.00
6.70	0.15	0.00	0.00	9.30	0.24	0.00	0.00
6.75	0.15	0.00	0.00	9.35	0.25	0.00	0.00
6.80	0.15	0.00	0.00	9.40	0.25	0.00	0.00
6.85	0.15	0.00	0.00	9.45	0.25	0.00	0.00
6.90	0.15	0.00	0.00	9.50	0.25	0.00	0.00
6.95	0.16	0.00	0.00	9.55	0.26	0.00	0.00
7.00	0.16	0.00	0.00	9.60	0.26	0.00	0.00
7.05	0.16	0.00	0.00	9.65	0.26	0.00	0.00
7.10	0.16	0.00	0.00	9.70	0.26	0.00	0.00
7.15	0.16	0.00	0.00	9.75	0.27	0.00	0.00
7.20	0.16	0.00	0.00	9.80	0.27	0.00	0.00
7.25	0.16	0.00	0.00	9.85	0.27	0.00	0.00
7.30	0.17	0.00	0.00	9.90	0.27	0.00	0.00
7.35	0.17	0.00	0.00	9.95	0.28	0.00	0.00
7.40	0.17	0.00	0.00	10.00	0.28	0.00	0.00
7.45	0.17	0.00	0.00	10.05	0.28	0.00	0.00
7.50	0.17	0.00	0.00	10.10	0.29	0.00	0.00
7.55	0.17	0.00	0.00	10.15	0.29	0.00	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.00	0.00	12.80	0.87	0.00	0.00
10.25	0.30	0.00	0.00	12.85	0.88	0.00	0.00
10.30	0.30	0.00	0.00	12.90	0.88	0.00	0.00
10.35	0.30	0.00	0.00	12.95	0.89	0.00	0.00
10.40	0.31	0.00	0.00	13.00	0.89	0.00	0.00
10.45	0.31	0.00	0.00	13.05	0.90	0.00	0.00
10.50	0.31	0.00	0.00	13.10	0.90	0.00	0.00
10.55	0.32	0.00	0.00	13.15	0.91	0.00	0.00
10.60	0.32	0.00	0.00	13.20	0.91	0.00	0.00
10.65	0.32	0.00	0.00	13.25	0.92	0.00	0.00
10.70	0.33	0.00	0.00	13.30	0.92	0.00	0.00
10.75	0.33	0.00	0.00	13.35	0.93	0.00	0.00
10.80	0.34	0.00	0.00	13.40	0.93	0.00	0.00
10.85	0.34	0.00	0.00	13.45	0.93	0.00	0.00
10.90	0.35	0.00	0.00	13.50	0.94	0.00	0.00
10.95	0.35	0.00	0.00	13.55	0.94	0.00	0.00
11.00	0.36	0.00	0.00	13.60	0.94	0.00	0.00
11.05	0.36	0.00	0.00	13.65	0.95	0.00	0.00
11.10	0.37	0.00	0.00	13.70	0.95	0.00	0.00
11.15	0.37	0.00	0.00	13.75	0.95	0.00	0.00
11.20	0.38	0.00	0.00	13.80	0.96	0.00	0.00
11.25	0.38	0.00	0.00	13.85	0.96	0.00	0.00
11.30	0.39	0.00	0.00	13.90	0.96	0.00	0.00
11.35	0.40	0.00	0.00	13.95	0.97	0.00	0.00
11.40	0.40	0.00	0.00	14.00	0.97	0.00	0.00
11.45	0.41	0.00	0.00	14.05	0.97	0.00	0.00
11.50	0.42	0.00	0.00	14.10	0.98	0.00	0.00
11.55	0.43	0.00	0.00	14.15	0.98	0.00	0.00
11.60	0.44	0.00	0.00	14.20	0.98	0.00	0.00
11.65	0.45	0.00	0.00	14.25	0.98	0.00	0.00
11.70	0.46	0.00	0.00	14.30	0.99	0.00	0.00
11.75	0.47	0.00	0.00	14.35	0.99	0.00	0.00
11.80	0.49	0.00	0.00	14.40	0.99	0.00	0.00
11.85	0.51	0.00	0.00	14.45	0.99	0.00	0.00
11.90	0.53	0.00	0.00	14.50	1.00	0.00	0.00
11.95	0.56	0.00	0.00	14.55	1.00	0.00	0.00
12.00	0.60	0.00	0.00	14.60	1.00	0.00	0.00
12.05	0.66	0.00	0.00	14.65	1.00	0.00	0.00
12.10	0.72	0.00	0.00	14.70	1.01	0.00	0.00
12.15	0.74	0.00	0.00	14.75	1.01	0.00	0.00
12.20	0.76	0.00	0.00	14.80	1.01	0.00	0.00
12.25	0.78	0.00	0.00	14.85	1.01	0.00	0.00
12.30	0.79	0.00	0.00	14.90	1.02	0.00	0.00
12.35	0.80	0.00	0.00	14.95	1.02	0.00	0.00
12.40	0.81	0.00	0.00	15.00	1.02	0.00	0.00
12.45	0.82	0.00	0.00	15.05	1.02	0.00	0.00
12.50	0.83	0.00	0.00	15.10	1.02	0.00	0.00
12.55	0.84	0.00	0.00	15.15	1.03	0.00	0.00
12.60	0.85	0.00	0.00	15.20	1.03	0.00	0.00
12.65	0.85	0.00	0.00	15.25	1.03	0.00	0.00
12.70	0.86	0.00	0.00	15.30	1.03	0.00	0.00
12.75	0.87	0.00	0.00	15.35	1.03	0.00	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.00	0.00	18.00	1.12	0.00	0.00
15.45	1.04	0.00	0.00	18.05	1.12	0.00	0.00
15.50	1.04	0.00	0.00	18.10	1.12	0.00	0.00
15.55	1.04	0.00	0.00	18.15	1.13	0.00	0.00
15.60	1.04	0.00	0.00	18.20	1.13	0.00	0.00
15.65	1.05	0.00	0.00	18.25	1.13	0.00	0.00
15.70	1.05	0.00	0.00	18.30	1.13	0.00	0.00
15.75	1.05	0.00	0.00	18.35	1.13	0.00	0.00
15.80	1.05	0.00	0.00	18.40	1.13	0.00	0.00
15.85	1.05	0.00	0.00	18.45	1.13	0.00	0.00
15.90	1.06	0.00	0.00	18.50	1.13	0.00	0.00
15.95	1.06	0.00	0.00	18.55	1.14	0.00	0.00
16.00	1.06	0.00	0.00	18.60	1.14	0.00	0.00
16.05	1.06	0.00	0.00	18.65	1.14	0.00	0.00
16.10	1.06	0.00	0.00	18.70	1.14	0.00	0.00
16.15	1.06	0.00	0.00	18.75	1.14	0.00	0.00
16.20	1.07	0.00	0.00	18.80	1.14	0.00	0.00
16.25	1.07	0.00	0.00	18.85	1.14	0.00	0.00
16.30	1.07	0.00	0.00	18.90	1.14	0.00	0.00
16.35	1.07	0.00	0.00	18.95	1.14	0.00	0.00
16.40	1.07	0.00	0.00	19.00	1.15	0.00	0.00
16.45	1.08	0.00	0.00	19.05	1.15	0.00	0.00
16.50	1.08	0.00	0.00	19.10	1.15	0.00	0.00
16.55	1.08	0.00	0.00	19.15	1.15	0.00	0.00
16.60	1.08	0.00	0.00	19.20	1.15	0.00	0.00
16.65	1.08	0.00	0.00	19.25	1.15	0.00	0.00
16.70	1.08	0.00	0.00	19.30	1.15	0.00	0.00
16.75	1.09	0.00	0.00	19.35	1.15	0.00	0.00
16.80	1.09	0.00	0.00	19.40	1.16	0.00	0.00
16.85	1.09	0.00	0.00	19.45	1.16	0.00	0.00
16.90	1.09	0.00	0.00	19.50	1.16	0.00	0.00
16.95	1.09	0.00	0.00	19.55	1.16	0.00	0.00
17.00	1.09	0.00	0.00	19.60	1.16	0.00	0.00
17.05	1.09	0.00	0.00	19.65	1.16	0.00	0.00
17.10	1.10	0.00	0.00	19.70	1.16	0.00	0.00
17.15	1.10	0.00	0.00	19.75	1.16	0.00	0.00
17.20	1.10	0.00	0.00	19.80	1.16	0.00	0.00
17.25	1.10	0.00	0.00	19.85	1.17	0.00	0.00
17.30	1.10	0.00	0.00	19.90	1.17	0.00	0.00
17.35	1.10	0.00	0.00	19.95	1.17	0.00	0.00
17.40	1.10	0.00	0.00	20.00	1.17	0.00	0.00
17.45	1.11	0.00	0.00	20.05	1.17	0.00	0.00
17.50	1.11	0.00	0.00	20.10	1.17	0.00	0.00
17.55	1.11	0.00	0.00	20.15	1.17	0.00	0.00
17.60	1.11	0.00	0.00	20.20	1.17	0.00	0.00
17.65	1.11	0.00	0.00	20.25	1.18	0.00	0.00
17.70	1.11	0.00	0.00	20.30	1.18	0.00	0.00
17.75	1.11	0.00	0.00	20.35	1.18	0.00	0.00
17.80	1.12	0.00	0.00	20.40	1.18	0.00	0.00
17.85	1.12	0.00	0.00	20.45	1.18	0.00	0.00
17.90	1.12	0.00	0.00	20.50	1.18	0.00	0.00
17.95	1.12	0.00	0.00	20.55	1.18	0.00	0.00

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.00	0.00	23.20	1.24	0.00	0.00
20.65	1.18	0.00	0.00	23.25	1.24	0.00	0.00
20.70	1.19	0.00	0.00	23.30	1.24	0.00	0.00
20.75	1.19	0.00	0.00	23.35	1.24	0.00	0.00
20.80	1.19	0.00	0.00	23.40	1.24	0.00	0.00
20.85	1.19	0.00	0.00	23.45	1.24	0.00	0.00
20.90	1.19	0.00	0.00	23.50	1.24	0.00	0.00
20.95	1.19	0.00	0.00	23.55	1.24	0.00	0.00
21.00	1.19	0.00	0.00	23.60	1.24	0.00	0.00
21.05	1.19	0.00	0.00	23.65	1.24	0.00	0.00
21.10	1.19	0.00	0.00	23.70	1.24	0.00	0.00
21.15	1.19	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.20	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.20	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.20	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.20	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.20	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.20	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.20	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.20	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.20	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.21	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.21	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.21	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.21	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.21	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.21	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.21	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.21	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.21	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.21	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.22	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.22	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.22	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.22	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.22	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.22	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.22	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.22	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.22	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.22	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.23	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.23	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.23	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.23	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.23	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.23	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.23	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.23	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.23	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.23	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.23	0.00	0.00	25.75	1.25	0.00	0.00

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NRCC 24-hr D WQ storm Rainfall=1.25"

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Hydrograph for Subcatchment Basin 1 Pervious: Basin 1 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	0.00	0.00	28.40	1.25	0.00	0.00
25.85	1.25	0.00	0.00	28.45	1.25	0.00	0.00
25.90	1.25	0.00	0.00	28.50	1.25	0.00	0.00
25.95	1.25	0.00	0.00	28.55	1.25	0.00	0.00
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00				
27.50	1.25	0.00	0.00				
27.55	1.25	0.00	0.00				
27.60	1.25	0.00	0.00				
27.65	1.25	0.00	0.00				
27.70	1.25	0.00	0.00				
27.75	1.25	0.00	0.00				
27.80	1.25	0.00	0.00				
27.85	1.25	0.00	0.00				
27.90	1.25	0.00	0.00				
27.95	1.25	0.00	0.00				
28.00	1.25	0.00	0.00				
28.05	1.25	0.00	0.00				
28.10	1.25	0.00	0.00				
28.15	1.25	0.00	0.00				
28.20	1.25	0.00	0.00				
28.25	1.25	0.00	0.00				
28.30	1.25	0.00	0.00				
28.35	1.25	0.00	0.00				

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Summary for Subcatchment Basin 1 Roof: Basin 1 Roof

Runoff = 0.34 cfs @ 12.19 hrs, Volume= 0.043 af, Depth> 1.02"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D WQ storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.500	98	Roof
0.500		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.01	0.00	7.60	0.18	0.05	0.01
5.05	0.11	0.02	0.00	7.65	0.18	0.06	0.01
5.10	0.11	0.02	0.00	7.70	0.18	0.06	0.01
5.15	0.11	0.02	0.00	7.75	0.18	0.06	0.01
5.20	0.11	0.02	0.00	7.80	0.18	0.06	0.01
5.25	0.11	0.02	0.01	7.85	0.19	0.06	0.01
5.30	0.11	0.02	0.01	7.90	0.19	0.06	0.01
5.35	0.11	0.02	0.01	7.95	0.19	0.06	0.01
5.40	0.11	0.02	0.01	8.00	0.19	0.06	0.01
5.45	0.11	0.02	0.01	8.05	0.19	0.06	0.01
5.50	0.12	0.02	0.01	8.10	0.19	0.07	0.01
5.55	0.12	0.02	0.01	8.15	0.20	0.07	0.01
5.60	0.12	0.02	0.01	8.20	0.20	0.07	0.01
5.65	0.12	0.02	0.01	8.25	0.20	0.07	0.01
5.70	0.12	0.02	0.01	8.30	0.20	0.07	0.01
5.75	0.12	0.02	0.01	8.35	0.20	0.07	0.01
5.80	0.12	0.02	0.01	8.40	0.21	0.07	0.01
5.85	0.12	0.02	0.01	8.45	0.21	0.07	0.01
5.90	0.13	0.03	0.01	8.50	0.21	0.08	0.01
5.95	0.13	0.03	0.01	8.55	0.21	0.08	0.01
6.00	0.13	0.03	0.01	8.60	0.21	0.08	0.01
6.05	0.13	0.03	0.01	8.65	0.22	0.08	0.01
6.10	0.13	0.03	0.01	8.70	0.22	0.08	0.01
6.15	0.13	0.03	0.01	8.75	0.22	0.08	0.01
6.20	0.13	0.03	0.01	8.80	0.22	0.08	0.01
6.25	0.14	0.03	0.01	8.85	0.22	0.09	0.01
6.30	0.14	0.03	0.01	8.90	0.23	0.09	0.01
6.35	0.14	0.03	0.01	8.95	0.23	0.09	0.01
6.40	0.14	0.03	0.01	9.00	0.23	0.09	0.01
6.45	0.14	0.03	0.01	9.05	0.23	0.09	0.01
6.50	0.14	0.03	0.01	9.10	0.23	0.09	0.01
6.55	0.14	0.03	0.01	9.15	0.24	0.10	0.02
6.60	0.15	0.04	0.01	9.20	0.24	0.10	0.02
6.65	0.15	0.04	0.01	9.25	0.24	0.10	0.02
6.70	0.15	0.04	0.01	9.30	0.24	0.10	0.02
6.75	0.15	0.04	0.01	9.35	0.25	0.10	0.02
6.80	0.15	0.04	0.01	9.40	0.25	0.10	0.02
6.85	0.15	0.04	0.01	9.45	0.25	0.11	0.02
6.90	0.15	0.04	0.01	9.50	0.25	0.11	0.02
6.95	0.16	0.04	0.01	9.55	0.26	0.11	0.02
7.00	0.16	0.04	0.01	9.60	0.26	0.11	0.02
7.05	0.16	0.04	0.01	9.65	0.26	0.11	0.02
7.10	0.16	0.04	0.01	9.70	0.26	0.12	0.02
7.15	0.16	0.04	0.01	9.75	0.27	0.12	0.02
7.20	0.16	0.05	0.01	9.80	0.27	0.12	0.02
7.25	0.16	0.05	0.01	9.85	0.27	0.12	0.02
7.30	0.17	0.05	0.01	9.90	0.27	0.12	0.02
7.35	0.17	0.05	0.01	9.95	0.28	0.13	0.02
7.40	0.17	0.05	0.01	10.00	0.28	0.13	0.02
7.45	0.17	0.05	0.01	10.05	0.28	0.13	0.02
7.50	0.17	0.05	0.01	10.10	0.29	0.13	0.02
7.55	0.17	0.05	0.01	10.15	0.29	0.14	0.02

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.14	0.02	12.80	0.87	0.67	0.09
10.25	0.30	0.14	0.02	12.85	0.88	0.67	0.08
10.30	0.30	0.14	0.02	12.90	0.88	0.68	0.08
10.35	0.30	0.15	0.02	12.95	0.89	0.68	0.07
10.40	0.31	0.15	0.02	13.00	0.89	0.69	0.07
10.45	0.31	0.15	0.03	13.05	0.90	0.69	0.06
10.50	0.31	0.15	0.03	13.10	0.90	0.70	0.06
10.55	0.32	0.16	0.03	13.15	0.91	0.70	0.06
10.60	0.32	0.16	0.03	13.20	0.91	0.71	0.05
10.65	0.32	0.16	0.03	13.25	0.92	0.71	0.05
10.70	0.33	0.17	0.03	13.30	0.92	0.72	0.05
10.75	0.33	0.17	0.03	13.35	0.93	0.72	0.05
10.80	0.34	0.17	0.03	13.40	0.93	0.72	0.05
10.85	0.34	0.18	0.03	13.45	0.93	0.73	0.04
10.90	0.35	0.18	0.03	13.50	0.94	0.73	0.04
10.95	0.35	0.19	0.03	13.55	0.94	0.73	0.04
11.00	0.36	0.19	0.04	13.60	0.94	0.74	0.04
11.05	0.36	0.20	0.04	13.65	0.95	0.74	0.04
11.10	0.37	0.20	0.04	13.70	0.95	0.74	0.04
11.15	0.37	0.20	0.04	13.75	0.95	0.75	0.04
11.20	0.38	0.21	0.04	13.80	0.96	0.75	0.03
11.25	0.38	0.22	0.04	13.85	0.96	0.75	0.03
11.30	0.39	0.22	0.05	13.90	0.96	0.76	0.03
11.35	0.40	0.23	0.05	13.95	0.97	0.76	0.03
11.40	0.40	0.23	0.05	14.00	0.97	0.76	0.03
11.45	0.41	0.24	0.05	14.05	0.97	0.76	0.03
11.50	0.42	0.25	0.06	14.10	0.98	0.77	0.03
11.55	0.43	0.25	0.06	14.15	0.98	0.77	0.03
11.60	0.44	0.26	0.06	14.20	0.98	0.77	0.03
11.65	0.45	0.27	0.07	14.25	0.98	0.78	0.03
11.70	0.46	0.28	0.07	14.30	0.99	0.78	0.03
11.75	0.47	0.29	0.08	14.35	0.99	0.78	0.03
11.80	0.49	0.31	0.09	14.40	0.99	0.78	0.03
11.85	0.51	0.32	0.10	14.45	0.99	0.79	0.03
11.90	0.53	0.34	0.11	14.50	1.00	0.79	0.03
11.95	0.56	0.38	0.13	14.55	1.00	0.79	0.03
12.00	0.60	0.41	0.16	14.60	1.00	0.79	0.03
12.05	0.66	0.47	0.20	14.65	1.00	0.80	0.03
12.10	0.72	0.53	0.27	14.70	1.01	0.80	0.03
12.15	0.74	0.54	0.33	14.75	1.01	0.80	0.02
12.20	0.76	0.56	0.34	14.80	1.01	0.80	0.02
12.25	0.78	0.58	0.31	14.85	1.01	0.80	0.02
12.30	0.79	0.59	0.28	14.90	1.02	0.81	0.02
12.35	0.80	0.60	0.25	14.95	1.02	0.81	0.02
12.40	0.81	0.61	0.22	15.00	1.02	0.81	0.02
12.45	0.82	0.62	0.19	15.05	1.02	0.81	0.02
12.50	0.83	0.63	0.17	15.10	1.02	0.81	0.02
12.55	0.84	0.64	0.15	15.15	1.03	0.82	0.02
12.60	0.85	0.64	0.14	15.20	1.03	0.82	0.02
12.65	0.85	0.65	0.12	15.25	1.03	0.82	0.02
12.70	0.86	0.66	0.11	15.30	1.03	0.82	0.02
12.75	0.87	0.66	0.10	15.35	1.03	0.82	0.02

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.83	0.02	18.00	1.12	0.91	0.01
15.45	1.04	0.83	0.02	18.05	1.12	0.91	0.01
15.50	1.04	0.83	0.02	18.10	1.12	0.91	0.01
15.55	1.04	0.83	0.02	18.15	1.13	0.91	0.01
15.60	1.04	0.83	0.02	18.20	1.13	0.91	0.01
15.65	1.05	0.84	0.02	18.25	1.13	0.91	0.01
15.70	1.05	0.84	0.02	18.30	1.13	0.92	0.01
15.75	1.05	0.84	0.02	18.35	1.13	0.92	0.01
15.80	1.05	0.84	0.02	18.40	1.13	0.92	0.01
15.85	1.05	0.84	0.02	18.45	1.13	0.92	0.01
15.90	1.06	0.85	0.02	18.50	1.13	0.92	0.01
15.95	1.06	0.85	0.02	18.55	1.14	0.92	0.01
16.00	1.06	0.85	0.02	18.60	1.14	0.92	0.01
16.05	1.06	0.85	0.02	18.65	1.14	0.92	0.01
16.10	1.06	0.85	0.02	18.70	1.14	0.93	0.01
16.15	1.06	0.85	0.02	18.75	1.14	0.93	0.01
16.20	1.07	0.86	0.02	18.80	1.14	0.93	0.01
16.25	1.07	0.86	0.02	18.85	1.14	0.93	0.01
16.30	1.07	0.86	0.02	18.90	1.14	0.93	0.01
16.35	1.07	0.86	0.02	18.95	1.14	0.93	0.01
16.40	1.07	0.86	0.02	19.00	1.15	0.93	0.01
16.45	1.08	0.86	0.02	19.05	1.15	0.93	0.01
16.50	1.08	0.87	0.02	19.10	1.15	0.94	0.01
16.55	1.08	0.87	0.02	19.15	1.15	0.94	0.01
16.60	1.08	0.87	0.02	19.20	1.15	0.94	0.01
16.65	1.08	0.87	0.02	19.25	1.15	0.94	0.01
16.70	1.08	0.87	0.02	19.30	1.15	0.94	0.01
16.75	1.09	0.87	0.02	19.35	1.15	0.94	0.01
16.80	1.09	0.88	0.02	19.40	1.16	0.94	0.01
16.85	1.09	0.88	0.02	19.45	1.16	0.94	0.01
16.90	1.09	0.88	0.02	19.50	1.16	0.94	0.01
16.95	1.09	0.88	0.02	19.55	1.16	0.95	0.01
17.00	1.09	0.88	0.02	19.60	1.16	0.95	0.01
17.05	1.09	0.88	0.02	19.65	1.16	0.95	0.01
17.10	1.10	0.88	0.02	19.70	1.16	0.95	0.01
17.15	1.10	0.89	0.02	19.75	1.16	0.95	0.01
17.20	1.10	0.89	0.02	19.80	1.16	0.95	0.01
17.25	1.10	0.89	0.02	19.85	1.17	0.95	0.01
17.30	1.10	0.89	0.02	19.90	1.17	0.95	0.01
17.35	1.10	0.89	0.01	19.95	1.17	0.95	0.01
17.40	1.10	0.89	0.01	20.00	1.17	0.96	0.01
17.45	1.11	0.89	0.01	20.05	1.17	0.96	0.01
17.50	1.11	0.90	0.01	20.10	1.17	0.96	0.01
17.55	1.11	0.90	0.01	20.15	1.17	0.96	0.01
17.60	1.11	0.90	0.01	20.20	1.17	0.96	0.01
17.65	1.11	0.90	0.01	20.25	1.18	0.96	0.01
17.70	1.11	0.90	0.01	20.30	1.18	0.96	0.01
17.75	1.11	0.90	0.01	20.35	1.18	0.96	0.01
17.80	1.12	0.90	0.01	20.40	1.18	0.96	0.01
17.85	1.12	0.90	0.01	20.45	1.18	0.97	0.01
17.90	1.12	0.91	0.01	20.50	1.18	0.97	0.01
17.95	1.12	0.91	0.01	20.55	1.18	0.97	0.01

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.97	0.01	23.20	1.24	1.02	0.01
20.65	1.18	0.97	0.01	23.25	1.24	1.02	0.01
20.70	1.19	0.97	0.01	23.30	1.24	1.02	0.01
20.75	1.19	0.97	0.01	23.35	1.24	1.02	0.01
20.80	1.19	0.97	0.01	23.40	1.24	1.02	0.01
20.85	1.19	0.97	0.01	23.45	1.24	1.02	0.01
20.90	1.19	0.98	0.01	23.50	1.24	1.03	0.01
20.95	1.19	0.98	0.01	23.55	1.24	1.03	0.01
21.00	1.19	0.98	0.01	23.60	1.24	1.03	0.01
21.05	1.19	0.98	0.01	23.65	1.24	1.03	0.01
21.10	1.19	0.98	0.01	23.70	1.24	1.03	0.01
21.15	1.19	0.98	0.01	23.75	1.25	1.03	0.01
21.20	1.20	0.98	0.01	23.80	1.25	1.03	0.01
21.25	1.20	0.98	0.01	23.85	1.25	1.03	0.01
21.30	1.20	0.98	0.01	23.90	1.25	1.03	0.01
21.35	1.20	0.98	0.01	23.95	1.25	1.03	0.01
21.40	1.20	0.99	0.01	24.00	1.25	1.03	0.01
21.45	1.20	0.99	0.01	24.05	1.25	1.03	0.01
21.50	1.20	0.99	0.01	24.10	1.25	1.03	0.01
21.55	1.20	0.99	0.01	24.15	1.25	1.03	0.01
21.60	1.20	0.99	0.01	24.20	1.25	1.03	0.00
21.65	1.21	0.99	0.01	24.25	1.25	1.03	0.00
21.70	1.21	0.99	0.01	24.30	1.25	1.03	0.00
21.75	1.21	0.99	0.01	24.35	1.25	1.03	0.00
21.80	1.21	0.99	0.01	24.40	1.25	1.03	0.00
21.85	1.21	0.99	0.01	24.45	1.25	1.03	0.00
21.90	1.21	1.00	0.01	24.50	1.25	1.03	0.00
21.95	1.21	1.00	0.01	24.55	1.25	1.03	0.00
22.00	1.21	1.00	0.01	24.60	1.25	1.03	0.00
22.05	1.21	1.00	0.01	24.65	1.25	1.03	0.00
22.10	1.21	1.00	0.01	24.70	1.25	1.03	0.00
22.15	1.22	1.00	0.01	24.75	1.25	1.03	0.00
22.20	1.22	1.00	0.01	24.80	1.25	1.03	0.00
22.25	1.22	1.00	0.01	24.85	1.25	1.03	0.00
22.30	1.22	1.00	0.01	24.90	1.25	1.03	0.00
22.35	1.22	1.00	0.01	24.95	1.25	1.03	0.00
22.40	1.22	1.01	0.01	25.00	1.25	1.03	0.00
22.45	1.22	1.01	0.01	25.05	1.25	1.03	0.00
22.50	1.22	1.01	0.01	25.10	1.25	1.03	0.00
22.55	1.22	1.01	0.01	25.15	1.25	1.03	0.00
22.60	1.22	1.01	0.01	25.20	1.25	1.03	0.00
22.65	1.23	1.01	0.01	25.25	1.25	1.03	0.00
22.70	1.23	1.01	0.01	25.30	1.25	1.03	0.00
22.75	1.23	1.01	0.01	25.35	1.25	1.03	0.00
22.80	1.23	1.01	0.01	25.40	1.25	1.03	0.00
22.85	1.23	1.01	0.01	25.45	1.25	1.03	0.00
22.90	1.23	1.01	0.01	25.50	1.25	1.03	0.00
22.95	1.23	1.02	0.01	25.55	1.25	1.03	0.00
23.00	1.23	1.02	0.01	25.60	1.25	1.03	0.00
23.05	1.23	1.02	0.01	25.65	1.25	1.03	0.00
23.10	1.23	1.02	0.01	25.70	1.25	1.03	0.00
23.15	1.23	1.02	0.01	25.75	1.25	1.03	0.00

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Hydrograph for Subcatchment Basin 1 Roof: Basin 1 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	1.03	0.00	28.40	1.25	1.03	0.00
25.85	1.25	1.03	0.00	28.45	1.25	1.03	0.00
25.90	1.25	1.03	0.00	28.50	1.25	1.03	0.00
25.95	1.25	1.03	0.00	28.55	1.25	1.03	0.00
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00				
27.50	1.25	1.03	0.00				
27.55	1.25	1.03	0.00				
27.60	1.25	1.03	0.00				
27.65	1.25	1.03	0.00				
27.70	1.25	1.03	0.00				
27.75	1.25	1.03	0.00				
27.80	1.25	1.03	0.00				
27.85	1.25	1.03	0.00				
27.90	1.25	1.03	0.00				
27.95	1.25	1.03	0.00				
28.00	1.25	1.03	0.00				
28.05	1.25	1.03	0.00				
28.10	1.25	1.03	0.00				
28.15	1.25	1.03	0.00				
28.20	1.25	1.03	0.00				
28.25	1.25	1.03	0.00				
28.30	1.25	1.03	0.00				
28.35	1.25	1.03	0.00				

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Summary for Subcatchment Basin 2 Impervious: Basin 2 Imp

Runoff = 0.54 cfs @ 12.19 hrs, Volume= 0.068 af, Depth> 1.02"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D WQ storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.500	98	Pavement & Sidewalk
* 0.300	98	Driveways
0.800	98	Weighted Average
0.800		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.01	0.01	7.60	0.18	0.05	0.02
5.05	0.11	0.02	0.01	7.65	0.18	0.06	0.02
5.10	0.11	0.02	0.01	7.70	0.18	0.06	0.02
5.15	0.11	0.02	0.01	7.75	0.18	0.06	0.02
5.20	0.11	0.02	0.01	7.80	0.18	0.06	0.02
5.25	0.11	0.02	0.01	7.85	0.19	0.06	0.02
5.30	0.11	0.02	0.01	7.90	0.19	0.06	0.02
5.35	0.11	0.02	0.01	7.95	0.19	0.06	0.02
5.40	0.11	0.02	0.01	8.00	0.19	0.06	0.02
5.45	0.11	0.02	0.01	8.05	0.19	0.06	0.02
5.50	0.12	0.02	0.01	8.10	0.19	0.07	0.02
5.55	0.12	0.02	0.01	8.15	0.20	0.07	0.02
5.60	0.12	0.02	0.01	8.20	0.20	0.07	0.02
5.65	0.12	0.02	0.01	8.25	0.20	0.07	0.02
5.70	0.12	0.02	0.01	8.30	0.20	0.07	0.02
5.75	0.12	0.02	0.01	8.35	0.20	0.07	0.02
5.80	0.12	0.02	0.01	8.40	0.21	0.07	0.02
5.85	0.12	0.02	0.01	8.45	0.21	0.07	0.02
5.90	0.13	0.03	0.01	8.50	0.21	0.08	0.02
5.95	0.13	0.03	0.01	8.55	0.21	0.08	0.02
6.00	0.13	0.03	0.01	8.60	0.21	0.08	0.02
6.05	0.13	0.03	0.01	8.65	0.22	0.08	0.02
6.10	0.13	0.03	0.01	8.70	0.22	0.08	0.02
6.15	0.13	0.03	0.01	8.75	0.22	0.08	0.02
6.20	0.13	0.03	0.01	8.80	0.22	0.08	0.02
6.25	0.14	0.03	0.01	8.85	0.22	0.09	0.02
6.30	0.14	0.03	0.01	8.90	0.23	0.09	0.02
6.35	0.14	0.03	0.01	8.95	0.23	0.09	0.02
6.40	0.14	0.03	0.01	9.00	0.23	0.09	0.02
6.45	0.14	0.03	0.01	9.05	0.23	0.09	0.02
6.50	0.14	0.03	0.01	9.10	0.23	0.09	0.02
6.55	0.14	0.03	0.01	9.15	0.24	0.10	0.02
6.60	0.15	0.04	0.01	9.20	0.24	0.10	0.02
6.65	0.15	0.04	0.01	9.25	0.24	0.10	0.03
6.70	0.15	0.04	0.01	9.30	0.24	0.10	0.03
6.75	0.15	0.04	0.01	9.35	0.25	0.10	0.03
6.80	0.15	0.04	0.01	9.40	0.25	0.10	0.03
6.85	0.15	0.04	0.01	9.45	0.25	0.11	0.03
6.90	0.15	0.04	0.01	9.50	0.25	0.11	0.03
6.95	0.16	0.04	0.01	9.55	0.26	0.11	0.03
7.00	0.16	0.04	0.01	9.60	0.26	0.11	0.03
7.05	0.16	0.04	0.01	9.65	0.26	0.11	0.03
7.10	0.16	0.04	0.01	9.70	0.26	0.12	0.03
7.15	0.16	0.04	0.01	9.75	0.27	0.12	0.03
7.20	0.16	0.05	0.01	9.80	0.27	0.12	0.03
7.25	0.16	0.05	0.01	9.85	0.27	0.12	0.03
7.30	0.17	0.05	0.02	9.90	0.27	0.12	0.03
7.35	0.17	0.05	0.02	9.95	0.28	0.13	0.03
7.40	0.17	0.05	0.02	10.00	0.28	0.13	0.03
7.45	0.17	0.05	0.02	10.05	0.28	0.13	0.04
7.50	0.17	0.05	0.02	10.10	0.29	0.13	0.04
7.55	0.17	0.05	0.02	10.15	0.29	0.14	0.04

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.14	0.04	12.80	0.87	0.67	0.14
10.25	0.30	0.14	0.04	12.85	0.88	0.67	0.13
10.30	0.30	0.14	0.04	12.90	0.88	0.68	0.12
10.35	0.30	0.15	0.04	12.95	0.89	0.68	0.11
10.40	0.31	0.15	0.04	13.00	0.89	0.69	0.11
10.45	0.31	0.15	0.04	13.05	0.90	0.69	0.10
10.50	0.31	0.15	0.04	13.10	0.90	0.70	0.10
10.55	0.32	0.16	0.04	13.15	0.91	0.70	0.09
10.60	0.32	0.16	0.04	13.20	0.91	0.71	0.09
10.65	0.32	0.16	0.04	13.25	0.92	0.71	0.08
10.70	0.33	0.17	0.05	13.30	0.92	0.72	0.08
10.75	0.33	0.17	0.05	13.35	0.93	0.72	0.08
10.80	0.34	0.17	0.05	13.40	0.93	0.72	0.07
10.85	0.34	0.18	0.05	13.45	0.93	0.73	0.07
10.90	0.35	0.18	0.05	13.50	0.94	0.73	0.07
10.95	0.35	0.19	0.06	13.55	0.94	0.73	0.06
11.00	0.36	0.19	0.06	13.60	0.94	0.74	0.06
11.05	0.36	0.20	0.06	13.65	0.95	0.74	0.06
11.10	0.37	0.20	0.06	13.70	0.95	0.74	0.06
11.15	0.37	0.20	0.06	13.75	0.95	0.75	0.06
11.20	0.38	0.21	0.07	13.80	0.96	0.75	0.05
11.25	0.38	0.22	0.07	13.85	0.96	0.75	0.05
11.30	0.39	0.22	0.07	13.90	0.96	0.76	0.05
11.35	0.40	0.23	0.08	13.95	0.97	0.76	0.05
11.40	0.40	0.23	0.08	14.00	0.97	0.76	0.05
11.45	0.41	0.24	0.08	14.05	0.97	0.76	0.05
11.50	0.42	0.25	0.09	14.10	0.98	0.77	0.05
11.55	0.43	0.25	0.09	14.15	0.98	0.77	0.05
11.60	0.44	0.26	0.10	14.20	0.98	0.77	0.05
11.65	0.45	0.27	0.11	14.25	0.98	0.78	0.05
11.70	0.46	0.28	0.12	14.30	0.99	0.78	0.05
11.75	0.47	0.29	0.12	14.35	0.99	0.78	0.05
11.80	0.49	0.31	0.14	14.40	0.99	0.78	0.04
11.85	0.51	0.32	0.15	14.45	0.99	0.79	0.04
11.90	0.53	0.34	0.18	14.50	1.00	0.79	0.04
11.95	0.56	0.38	0.21	14.55	1.00	0.79	0.04
12.00	0.60	0.41	0.26	14.60	1.00	0.79	0.04
12.05	0.66	0.47	0.33	14.65	1.00	0.80	0.04
12.10	0.72	0.53	0.42	14.70	1.01	0.80	0.04
12.15	0.74	0.54	0.52	14.75	1.01	0.80	0.04
12.20	0.76	0.56	0.54	14.80	1.01	0.80	0.04
12.25	0.78	0.58	0.50	14.85	1.01	0.80	0.04
12.30	0.79	0.59	0.45	14.90	1.02	0.81	0.04
12.35	0.80	0.60	0.39	14.95	1.02	0.81	0.04
12.40	0.81	0.61	0.35	15.00	1.02	0.81	0.04
12.45	0.82	0.62	0.31	15.05	1.02	0.81	0.04
12.50	0.83	0.63	0.27	15.10	1.02	0.81	0.04
12.55	0.84	0.64	0.24	15.15	1.03	0.82	0.03
12.60	0.85	0.64	0.22	15.20	1.03	0.82	0.03
12.65	0.85	0.65	0.19	15.25	1.03	0.82	0.03
12.70	0.86	0.66	0.17	15.30	1.03	0.82	0.03
12.75	0.87	0.66	0.16	15.35	1.03	0.82	0.03

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.83	0.03	18.00	1.12	0.91	0.02
15.45	1.04	0.83	0.03	18.05	1.12	0.91	0.02
15.50	1.04	0.83	0.03	18.10	1.12	0.91	0.02
15.55	1.04	0.83	0.03	18.15	1.13	0.91	0.02
15.60	1.04	0.83	0.03	18.20	1.13	0.91	0.02
15.65	1.05	0.84	0.03	18.25	1.13	0.91	0.02
15.70	1.05	0.84	0.03	18.30	1.13	0.92	0.02
15.75	1.05	0.84	0.03	18.35	1.13	0.92	0.02
15.80	1.05	0.84	0.03	18.40	1.13	0.92	0.02
15.85	1.05	0.84	0.03	18.45	1.13	0.92	0.02
15.90	1.06	0.85	0.03	18.50	1.13	0.92	0.02
15.95	1.06	0.85	0.03	18.55	1.14	0.92	0.02
16.00	1.06	0.85	0.03	18.60	1.14	0.92	0.02
16.05	1.06	0.85	0.03	18.65	1.14	0.92	0.02
16.10	1.06	0.85	0.03	18.70	1.14	0.93	0.02
16.15	1.06	0.85	0.03	18.75	1.14	0.93	0.02
16.20	1.07	0.86	0.03	18.80	1.14	0.93	0.02
16.25	1.07	0.86	0.03	18.85	1.14	0.93	0.02
16.30	1.07	0.86	0.03	18.90	1.14	0.93	0.02
16.35	1.07	0.86	0.03	18.95	1.14	0.93	0.02
16.40	1.07	0.86	0.03	19.00	1.15	0.93	0.02
16.45	1.08	0.86	0.03	19.05	1.15	0.93	0.02
16.50	1.08	0.87	0.03	19.10	1.15	0.94	0.02
16.55	1.08	0.87	0.03	19.15	1.15	0.94	0.02
16.60	1.08	0.87	0.03	19.20	1.15	0.94	0.02
16.65	1.08	0.87	0.03	19.25	1.15	0.94	0.02
16.70	1.08	0.87	0.03	19.30	1.15	0.94	0.02
16.75	1.09	0.87	0.03	19.35	1.15	0.94	0.02
16.80	1.09	0.88	0.03	19.40	1.16	0.94	0.02
16.85	1.09	0.88	0.03	19.45	1.16	0.94	0.02
16.90	1.09	0.88	0.03	19.50	1.16	0.94	0.02
16.95	1.09	0.88	0.03	19.55	1.16	0.95	0.02
17.00	1.09	0.88	0.03	19.60	1.16	0.95	0.02
17.05	1.09	0.88	0.03	19.65	1.16	0.95	0.02
17.10	1.10	0.88	0.02	19.70	1.16	0.95	0.02
17.15	1.10	0.89	0.02	19.75	1.16	0.95	0.02
17.20	1.10	0.89	0.02	19.80	1.16	0.95	0.02
17.25	1.10	0.89	0.02	19.85	1.17	0.95	0.02
17.30	1.10	0.89	0.02	19.90	1.17	0.95	0.02
17.35	1.10	0.89	0.02	19.95	1.17	0.95	0.02
17.40	1.10	0.89	0.02	20.00	1.17	0.96	0.02
17.45	1.11	0.89	0.02	20.05	1.17	0.96	0.02
17.50	1.11	0.90	0.02	20.10	1.17	0.96	0.02
17.55	1.11	0.90	0.02	20.15	1.17	0.96	0.02
17.60	1.11	0.90	0.02	20.20	1.17	0.96	0.02
17.65	1.11	0.90	0.02	20.25	1.18	0.96	0.02
17.70	1.11	0.90	0.02	20.30	1.18	0.96	0.02
17.75	1.11	0.90	0.02	20.35	1.18	0.96	0.02
17.80	1.12	0.90	0.02	20.40	1.18	0.96	0.02
17.85	1.12	0.90	0.02	20.45	1.18	0.97	0.02
17.90	1.12	0.91	0.02	20.50	1.18	0.97	0.02
17.95	1.12	0.91	0.02	20.55	1.18	0.97	0.02

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NRCC 24-hr D WQ storm Rainfall=1.25"

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.97	0.02	23.20	1.24	1.02	0.01
20.65	1.18	0.97	0.02	23.25	1.24	1.02	0.01
20.70	1.19	0.97	0.02	23.30	1.24	1.02	0.01
20.75	1.19	0.97	0.02	23.35	1.24	1.02	0.01
20.80	1.19	0.97	0.02	23.40	1.24	1.02	0.01
20.85	1.19	0.97	0.02	23.45	1.24	1.02	0.01
20.90	1.19	0.98	0.02	23.50	1.24	1.03	0.01
20.95	1.19	0.98	0.02	23.55	1.24	1.03	0.01
21.00	1.19	0.98	0.02	23.60	1.24	1.03	0.01
21.05	1.19	0.98	0.02	23.65	1.24	1.03	0.01
21.10	1.19	0.98	0.02	23.70	1.24	1.03	0.01
21.15	1.19	0.98	0.02	23.75	1.25	1.03	0.01
21.20	1.20	0.98	0.02	23.80	1.25	1.03	0.01
21.25	1.20	0.98	0.02	23.85	1.25	1.03	0.01
21.30	1.20	0.98	0.02	23.90	1.25	1.03	0.01
21.35	1.20	0.98	0.02	23.95	1.25	1.03	0.01
21.40	1.20	0.99	0.02	24.00	1.25	1.03	0.01
21.45	1.20	0.99	0.02	24.05	1.25	1.03	0.01
21.50	1.20	0.99	0.02	24.10	1.25	1.03	0.01
21.55	1.20	0.99	0.02	24.15	1.25	1.03	0.01
21.60	1.20	0.99	0.02	24.20	1.25	1.03	0.01
21.65	1.21	0.99	0.02	24.25	1.25	1.03	0.01
21.70	1.21	0.99	0.02	24.30	1.25	1.03	0.00
21.75	1.21	0.99	0.02	24.35	1.25	1.03	0.00
21.80	1.21	0.99	0.02	24.40	1.25	1.03	0.00
21.85	1.21	0.99	0.02	24.45	1.25	1.03	0.00
21.90	1.21	1.00	0.02	24.50	1.25	1.03	0.00
21.95	1.21	1.00	0.02	24.55	1.25	1.03	0.00
22.00	1.21	1.00	0.02	24.60	1.25	1.03	0.00
22.05	1.21	1.00	0.02	24.65	1.25	1.03	0.00
22.10	1.21	1.00	0.02	24.70	1.25	1.03	0.00
22.15	1.22	1.00	0.02	24.75	1.25	1.03	0.00
22.20	1.22	1.00	0.02	24.80	1.25	1.03	0.00
22.25	1.22	1.00	0.02	24.85	1.25	1.03	0.00
22.30	1.22	1.00	0.02	24.90	1.25	1.03	0.00
22.35	1.22	1.00	0.02	24.95	1.25	1.03	0.00
22.40	1.22	1.01	0.02	25.00	1.25	1.03	0.00
22.45	1.22	1.01	0.02	25.05	1.25	1.03	0.00
22.50	1.22	1.01	0.02	25.10	1.25	1.03	0.00
22.55	1.22	1.01	0.02	25.15	1.25	1.03	0.00
22.60	1.22	1.01	0.02	25.20	1.25	1.03	0.00
22.65	1.23	1.01	0.02	25.25	1.25	1.03	0.00
22.70	1.23	1.01	0.02	25.30	1.25	1.03	0.00
22.75	1.23	1.01	0.02	25.35	1.25	1.03	0.00
22.80	1.23	1.01	0.02	25.40	1.25	1.03	0.00
22.85	1.23	1.01	0.02	25.45	1.25	1.03	0.00
22.90	1.23	1.01	0.02	25.50	1.25	1.03	0.00
22.95	1.23	1.02	0.02	25.55	1.25	1.03	0.00
23.00	1.23	1.02	0.02	25.60	1.25	1.03	0.00
23.05	1.23	1.02	0.02	25.65	1.25	1.03	0.00
23.10	1.23	1.02	0.02	25.70	1.25	1.03	0.00
23.15	1.23	1.02	0.01	25.75	1.25	1.03	0.00

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Hydrograph for Subcatchment Basin 2 Impervious: Basin 2 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	1.03	0.00	28.40	1.25	1.03	0.00
25.85	1.25	1.03	0.00	28.45	1.25	1.03	0.00
25.90	1.25	1.03	0.00	28.50	1.25	1.03	0.00
25.95	1.25	1.03	0.00	28.55	1.25	1.03	0.00
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00				
27.50	1.25	1.03	0.00				
27.55	1.25	1.03	0.00				
27.60	1.25	1.03	0.00				
27.65	1.25	1.03	0.00				
27.70	1.25	1.03	0.00				
27.75	1.25	1.03	0.00				
27.80	1.25	1.03	0.00				
27.85	1.25	1.03	0.00				
27.90	1.25	1.03	0.00				
27.95	1.25	1.03	0.00				
28.00	1.25	1.03	0.00				
28.05	1.25	1.03	0.00				
28.10	1.25	1.03	0.00				
28.15	1.25	1.03	0.00				
28.20	1.25	1.03	0.00				
28.25	1.25	1.03	0.00				
28.30	1.25	1.03	0.00				
28.35	1.25	1.03	0.00				

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Summary for Subcatchment Basin 2 Pervious: Basin 2 - Pervious

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D WQ storm Rainfall=1.25"

Area (ac)	CN	Description
* 2.050	39	lawn, A soils
2.050		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.00	0.00	7.60	0.18	0.00	0.00
5.05	0.11	0.00	0.00	7.65	0.18	0.00	0.00
5.10	0.11	0.00	0.00	7.70	0.18	0.00	0.00
5.15	0.11	0.00	0.00	7.75	0.18	0.00	0.00
5.20	0.11	0.00	0.00	7.80	0.18	0.00	0.00
5.25	0.11	0.00	0.00	7.85	0.19	0.00	0.00
5.30	0.11	0.00	0.00	7.90	0.19	0.00	0.00
5.35	0.11	0.00	0.00	7.95	0.19	0.00	0.00
5.40	0.11	0.00	0.00	8.00	0.19	0.00	0.00
5.45	0.11	0.00	0.00	8.05	0.19	0.00	0.00
5.50	0.12	0.00	0.00	8.10	0.19	0.00	0.00
5.55	0.12	0.00	0.00	8.15	0.20	0.00	0.00
5.60	0.12	0.00	0.00	8.20	0.20	0.00	0.00
5.65	0.12	0.00	0.00	8.25	0.20	0.00	0.00
5.70	0.12	0.00	0.00	8.30	0.20	0.00	0.00
5.75	0.12	0.00	0.00	8.35	0.20	0.00	0.00
5.80	0.12	0.00	0.00	8.40	0.21	0.00	0.00
5.85	0.12	0.00	0.00	8.45	0.21	0.00	0.00
5.90	0.13	0.00	0.00	8.50	0.21	0.00	0.00
5.95	0.13	0.00	0.00	8.55	0.21	0.00	0.00
6.00	0.13	0.00	0.00	8.60	0.21	0.00	0.00
6.05	0.13	0.00	0.00	8.65	0.22	0.00	0.00
6.10	0.13	0.00	0.00	8.70	0.22	0.00	0.00
6.15	0.13	0.00	0.00	8.75	0.22	0.00	0.00
6.20	0.13	0.00	0.00	8.80	0.22	0.00	0.00
6.25	0.14	0.00	0.00	8.85	0.22	0.00	0.00
6.30	0.14	0.00	0.00	8.90	0.23	0.00	0.00
6.35	0.14	0.00	0.00	8.95	0.23	0.00	0.00
6.40	0.14	0.00	0.00	9.00	0.23	0.00	0.00
6.45	0.14	0.00	0.00	9.05	0.23	0.00	0.00
6.50	0.14	0.00	0.00	9.10	0.23	0.00	0.00
6.55	0.14	0.00	0.00	9.15	0.24	0.00	0.00
6.60	0.15	0.00	0.00	9.20	0.24	0.00	0.00
6.65	0.15	0.00	0.00	9.25	0.24	0.00	0.00
6.70	0.15	0.00	0.00	9.30	0.24	0.00	0.00
6.75	0.15	0.00	0.00	9.35	0.25	0.00	0.00
6.80	0.15	0.00	0.00	9.40	0.25	0.00	0.00
6.85	0.15	0.00	0.00	9.45	0.25	0.00	0.00
6.90	0.15	0.00	0.00	9.50	0.25	0.00	0.00
6.95	0.16	0.00	0.00	9.55	0.26	0.00	0.00
7.00	0.16	0.00	0.00	9.60	0.26	0.00	0.00
7.05	0.16	0.00	0.00	9.65	0.26	0.00	0.00
7.10	0.16	0.00	0.00	9.70	0.26	0.00	0.00
7.15	0.16	0.00	0.00	9.75	0.27	0.00	0.00
7.20	0.16	0.00	0.00	9.80	0.27	0.00	0.00
7.25	0.16	0.00	0.00	9.85	0.27	0.00	0.00
7.30	0.17	0.00	0.00	9.90	0.27	0.00	0.00
7.35	0.17	0.00	0.00	9.95	0.28	0.00	0.00
7.40	0.17	0.00	0.00	10.00	0.28	0.00	0.00
7.45	0.17	0.00	0.00	10.05	0.28	0.00	0.00
7.50	0.17	0.00	0.00	10.10	0.29	0.00	0.00
7.55	0.17	0.00	0.00	10.15	0.29	0.00	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.00	0.00	12.80	0.87	0.00	0.00
10.25	0.30	0.00	0.00	12.85	0.88	0.00	0.00
10.30	0.30	0.00	0.00	12.90	0.88	0.00	0.00
10.35	0.30	0.00	0.00	12.95	0.89	0.00	0.00
10.40	0.31	0.00	0.00	13.00	0.89	0.00	0.00
10.45	0.31	0.00	0.00	13.05	0.90	0.00	0.00
10.50	0.31	0.00	0.00	13.10	0.90	0.00	0.00
10.55	0.32	0.00	0.00	13.15	0.91	0.00	0.00
10.60	0.32	0.00	0.00	13.20	0.91	0.00	0.00
10.65	0.32	0.00	0.00	13.25	0.92	0.00	0.00
10.70	0.33	0.00	0.00	13.30	0.92	0.00	0.00
10.75	0.33	0.00	0.00	13.35	0.93	0.00	0.00
10.80	0.34	0.00	0.00	13.40	0.93	0.00	0.00
10.85	0.34	0.00	0.00	13.45	0.93	0.00	0.00
10.90	0.35	0.00	0.00	13.50	0.94	0.00	0.00
10.95	0.35	0.00	0.00	13.55	0.94	0.00	0.00
11.00	0.36	0.00	0.00	13.60	0.94	0.00	0.00
11.05	0.36	0.00	0.00	13.65	0.95	0.00	0.00
11.10	0.37	0.00	0.00	13.70	0.95	0.00	0.00
11.15	0.37	0.00	0.00	13.75	0.95	0.00	0.00
11.20	0.38	0.00	0.00	13.80	0.96	0.00	0.00
11.25	0.38	0.00	0.00	13.85	0.96	0.00	0.00
11.30	0.39	0.00	0.00	13.90	0.96	0.00	0.00
11.35	0.40	0.00	0.00	13.95	0.97	0.00	0.00
11.40	0.40	0.00	0.00	14.00	0.97	0.00	0.00
11.45	0.41	0.00	0.00	14.05	0.97	0.00	0.00
11.50	0.42	0.00	0.00	14.10	0.98	0.00	0.00
11.55	0.43	0.00	0.00	14.15	0.98	0.00	0.00
11.60	0.44	0.00	0.00	14.20	0.98	0.00	0.00
11.65	0.45	0.00	0.00	14.25	0.98	0.00	0.00
11.70	0.46	0.00	0.00	14.30	0.99	0.00	0.00
11.75	0.47	0.00	0.00	14.35	0.99	0.00	0.00
11.80	0.49	0.00	0.00	14.40	0.99	0.00	0.00
11.85	0.51	0.00	0.00	14.45	0.99	0.00	0.00
11.90	0.53	0.00	0.00	14.50	1.00	0.00	0.00
11.95	0.56	0.00	0.00	14.55	1.00	0.00	0.00
12.00	0.60	0.00	0.00	14.60	1.00	0.00	0.00
12.05	0.66	0.00	0.00	14.65	1.00	0.00	0.00
12.10	0.72	0.00	0.00	14.70	1.01	0.00	0.00
12.15	0.74	0.00	0.00	14.75	1.01	0.00	0.00
12.20	0.76	0.00	0.00	14.80	1.01	0.00	0.00
12.25	0.78	0.00	0.00	14.85	1.01	0.00	0.00
12.30	0.79	0.00	0.00	14.90	1.02	0.00	0.00
12.35	0.80	0.00	0.00	14.95	1.02	0.00	0.00
12.40	0.81	0.00	0.00	15.00	1.02	0.00	0.00
12.45	0.82	0.00	0.00	15.05	1.02	0.00	0.00
12.50	0.83	0.00	0.00	15.10	1.02	0.00	0.00
12.55	0.84	0.00	0.00	15.15	1.03	0.00	0.00
12.60	0.85	0.00	0.00	15.20	1.03	0.00	0.00
12.65	0.85	0.00	0.00	15.25	1.03	0.00	0.00
12.70	0.86	0.00	0.00	15.30	1.03	0.00	0.00
12.75	0.87	0.00	0.00	15.35	1.03	0.00	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.00	0.00	18.00	1.12	0.00	0.00
15.45	1.04	0.00	0.00	18.05	1.12	0.00	0.00
15.50	1.04	0.00	0.00	18.10	1.12	0.00	0.00
15.55	1.04	0.00	0.00	18.15	1.13	0.00	0.00
15.60	1.04	0.00	0.00	18.20	1.13	0.00	0.00
15.65	1.05	0.00	0.00	18.25	1.13	0.00	0.00
15.70	1.05	0.00	0.00	18.30	1.13	0.00	0.00
15.75	1.05	0.00	0.00	18.35	1.13	0.00	0.00
15.80	1.05	0.00	0.00	18.40	1.13	0.00	0.00
15.85	1.05	0.00	0.00	18.45	1.13	0.00	0.00
15.90	1.06	0.00	0.00	18.50	1.13	0.00	0.00
15.95	1.06	0.00	0.00	18.55	1.14	0.00	0.00
16.00	1.06	0.00	0.00	18.60	1.14	0.00	0.00
16.05	1.06	0.00	0.00	18.65	1.14	0.00	0.00
16.10	1.06	0.00	0.00	18.70	1.14	0.00	0.00
16.15	1.06	0.00	0.00	18.75	1.14	0.00	0.00
16.20	1.07	0.00	0.00	18.80	1.14	0.00	0.00
16.25	1.07	0.00	0.00	18.85	1.14	0.00	0.00
16.30	1.07	0.00	0.00	18.90	1.14	0.00	0.00
16.35	1.07	0.00	0.00	18.95	1.14	0.00	0.00
16.40	1.07	0.00	0.00	19.00	1.15	0.00	0.00
16.45	1.08	0.00	0.00	19.05	1.15	0.00	0.00
16.50	1.08	0.00	0.00	19.10	1.15	0.00	0.00
16.55	1.08	0.00	0.00	19.15	1.15	0.00	0.00
16.60	1.08	0.00	0.00	19.20	1.15	0.00	0.00
16.65	1.08	0.00	0.00	19.25	1.15	0.00	0.00
16.70	1.08	0.00	0.00	19.30	1.15	0.00	0.00
16.75	1.09	0.00	0.00	19.35	1.15	0.00	0.00
16.80	1.09	0.00	0.00	19.40	1.16	0.00	0.00
16.85	1.09	0.00	0.00	19.45	1.16	0.00	0.00
16.90	1.09	0.00	0.00	19.50	1.16	0.00	0.00
16.95	1.09	0.00	0.00	19.55	1.16	0.00	0.00
17.00	1.09	0.00	0.00	19.60	1.16	0.00	0.00
17.05	1.09	0.00	0.00	19.65	1.16	0.00	0.00
17.10	1.10	0.00	0.00	19.70	1.16	0.00	0.00
17.15	1.10	0.00	0.00	19.75	1.16	0.00	0.00
17.20	1.10	0.00	0.00	19.80	1.16	0.00	0.00
17.25	1.10	0.00	0.00	19.85	1.17	0.00	0.00
17.30	1.10	0.00	0.00	19.90	1.17	0.00	0.00
17.35	1.10	0.00	0.00	19.95	1.17	0.00	0.00
17.40	1.10	0.00	0.00	20.00	1.17	0.00	0.00
17.45	1.11	0.00	0.00	20.05	1.17	0.00	0.00
17.50	1.11	0.00	0.00	20.10	1.17	0.00	0.00
17.55	1.11	0.00	0.00	20.15	1.17	0.00	0.00
17.60	1.11	0.00	0.00	20.20	1.17	0.00	0.00
17.65	1.11	0.00	0.00	20.25	1.18	0.00	0.00
17.70	1.11	0.00	0.00	20.30	1.18	0.00	0.00
17.75	1.11	0.00	0.00	20.35	1.18	0.00	0.00
17.80	1.12	0.00	0.00	20.40	1.18	0.00	0.00
17.85	1.12	0.00	0.00	20.45	1.18	0.00	0.00
17.90	1.12	0.00	0.00	20.50	1.18	0.00	0.00
17.95	1.12	0.00	0.00	20.55	1.18	0.00	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.00	0.00	23.20	1.24	0.00	0.00
20.65	1.18	0.00	0.00	23.25	1.24	0.00	0.00
20.70	1.19	0.00	0.00	23.30	1.24	0.00	0.00
20.75	1.19	0.00	0.00	23.35	1.24	0.00	0.00
20.80	1.19	0.00	0.00	23.40	1.24	0.00	0.00
20.85	1.19	0.00	0.00	23.45	1.24	0.00	0.00
20.90	1.19	0.00	0.00	23.50	1.24	0.00	0.00
20.95	1.19	0.00	0.00	23.55	1.24	0.00	0.00
21.00	1.19	0.00	0.00	23.60	1.24	0.00	0.00
21.05	1.19	0.00	0.00	23.65	1.24	0.00	0.00
21.10	1.19	0.00	0.00	23.70	1.24	0.00	0.00
21.15	1.19	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.20	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.20	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.20	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.20	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.20	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.20	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.20	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.20	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.20	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.21	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.21	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.21	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.21	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.21	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.21	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.21	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.21	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.21	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.21	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.22	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.22	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.22	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.22	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.22	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.22	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.22	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.22	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.22	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.22	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.23	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.23	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.23	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.23	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.23	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.23	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.23	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.23	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.23	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.23	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.23	0.00	0.00	25.75	1.25	0.00	0.00

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Hydrograph for Subcatchment Basin 2 Pervious: Basin 2 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	0.00	0.00	28.40	1.25	0.00	0.00
25.85	1.25	0.00	0.00	28.45	1.25	0.00	0.00
25.90	1.25	0.00	0.00	28.50	1.25	0.00	0.00
25.95	1.25	0.00	0.00	28.55	1.25	0.00	0.00
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00				
27.50	1.25	0.00	0.00				
27.55	1.25	0.00	0.00				
27.60	1.25	0.00	0.00				
27.65	1.25	0.00	0.00				
27.70	1.25	0.00	0.00				
27.75	1.25	0.00	0.00				
27.80	1.25	0.00	0.00				
27.85	1.25	0.00	0.00				
27.90	1.25	0.00	0.00				
27.95	1.25	0.00	0.00				
28.00	1.25	0.00	0.00				
28.05	1.25	0.00	0.00				
28.10	1.25	0.00	0.00				
28.15	1.25	0.00	0.00				
28.20	1.25	0.00	0.00				
28.25	1.25	0.00	0.00				
28.30	1.25	0.00	0.00				
28.35	1.25	0.00	0.00				

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Summary for Subcatchment Basin 2 Roof: Basin 2 Roof

Runoff = 0.24 cfs @ 12.19 hrs, Volume= 0.030 af, Depth> 1.02"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.350	98	Roof
0.350		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.01	0.00	7.60	0.18	0.05	0.01
5.05	0.11	0.02	0.00	7.65	0.18	0.06	0.01
5.10	0.11	0.02	0.00	7.70	0.18	0.06	0.01
5.15	0.11	0.02	0.00	7.75	0.18	0.06	0.01
5.20	0.11	0.02	0.00	7.80	0.18	0.06	0.01
5.25	0.11	0.02	0.00	7.85	0.19	0.06	0.01
5.30	0.11	0.02	0.00	7.90	0.19	0.06	0.01
5.35	0.11	0.02	0.00	7.95	0.19	0.06	0.01
5.40	0.11	0.02	0.00	8.00	0.19	0.06	0.01
5.45	0.11	0.02	0.00	8.05	0.19	0.06	0.01
5.50	0.12	0.02	0.00	8.10	0.19	0.07	0.01
5.55	0.12	0.02	0.00	8.15	0.20	0.07	0.01
5.60	0.12	0.02	0.00	8.20	0.20	0.07	0.01
5.65	0.12	0.02	0.00	8.25	0.20	0.07	0.01
5.70	0.12	0.02	0.00	8.30	0.20	0.07	0.01
5.75	0.12	0.02	0.00	8.35	0.20	0.07	0.01
5.80	0.12	0.02	0.00	8.40	0.21	0.07	0.01
5.85	0.12	0.02	0.00	8.45	0.21	0.07	0.01
5.90	0.13	0.03	0.00	8.50	0.21	0.08	0.01
5.95	0.13	0.03	0.00	8.55	0.21	0.08	0.01
6.00	0.13	0.03	0.00	8.60	0.21	0.08	0.01
6.05	0.13	0.03	0.00	8.65	0.22	0.08	0.01
6.10	0.13	0.03	0.00	8.70	0.22	0.08	0.01
6.15	0.13	0.03	0.00	8.75	0.22	0.08	0.01
6.20	0.13	0.03	0.00	8.80	0.22	0.08	0.01
6.25	0.14	0.03	0.00	8.85	0.22	0.09	0.01
6.30	0.14	0.03	0.00	8.90	0.23	0.09	0.01
6.35	0.14	0.03	0.00	8.95	0.23	0.09	0.01
6.40	0.14	0.03	0.00	9.00	0.23	0.09	0.01
6.45	0.14	0.03	0.00	9.05	0.23	0.09	0.01
6.50	0.14	0.03	0.01	9.10	0.23	0.09	0.01
6.55	0.14	0.03	0.01	9.15	0.24	0.10	0.01
6.60	0.15	0.04	0.01	9.20	0.24	0.10	0.01
6.65	0.15	0.04	0.01	9.25	0.24	0.10	0.01
6.70	0.15	0.04	0.01	9.30	0.24	0.10	0.01
6.75	0.15	0.04	0.01	9.35	0.25	0.10	0.01
6.80	0.15	0.04	0.01	9.40	0.25	0.10	0.01
6.85	0.15	0.04	0.01	9.45	0.25	0.11	0.01
6.90	0.15	0.04	0.01	9.50	0.25	0.11	0.01
6.95	0.16	0.04	0.01	9.55	0.26	0.11	0.01
7.00	0.16	0.04	0.01	9.60	0.26	0.11	0.01
7.05	0.16	0.04	0.01	9.65	0.26	0.11	0.01
7.10	0.16	0.04	0.01	9.70	0.26	0.12	0.01
7.15	0.16	0.04	0.01	9.75	0.27	0.12	0.01
7.20	0.16	0.05	0.01	9.80	0.27	0.12	0.01
7.25	0.16	0.05	0.01	9.85	0.27	0.12	0.01
7.30	0.17	0.05	0.01	9.90	0.27	0.12	0.01
7.35	0.17	0.05	0.01	9.95	0.28	0.13	0.01
7.40	0.17	0.05	0.01	10.00	0.28	0.13	0.02
7.45	0.17	0.05	0.01	10.05	0.28	0.13	0.02
7.50	0.17	0.05	0.01	10.10	0.29	0.13	0.02
7.55	0.17	0.05	0.01	10.15	0.29	0.14	0.02

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.14	0.02	12.80	0.87	0.67	0.06
10.25	0.30	0.14	0.02	12.85	0.88	0.67	0.06
10.30	0.30	0.14	0.02	12.90	0.88	0.68	0.05
10.35	0.30	0.15	0.02	12.95	0.89	0.68	0.05
10.40	0.31	0.15	0.02	13.00	0.89	0.69	0.05
10.45	0.31	0.15	0.02	13.05	0.90	0.69	0.04
10.50	0.31	0.15	0.02	13.10	0.90	0.70	0.04
10.55	0.32	0.16	0.02	13.15	0.91	0.70	0.04
10.60	0.32	0.16	0.02	13.20	0.91	0.71	0.04
10.65	0.32	0.16	0.02	13.25	0.92	0.71	0.04
10.70	0.33	0.17	0.02	13.30	0.92	0.72	0.03
10.75	0.33	0.17	0.02	13.35	0.93	0.72	0.03
10.80	0.34	0.17	0.02	13.40	0.93	0.72	0.03
10.85	0.34	0.18	0.02	13.45	0.93	0.73	0.03
10.90	0.35	0.18	0.02	13.50	0.94	0.73	0.03
10.95	0.35	0.19	0.02	13.55	0.94	0.73	0.03
11.00	0.36	0.19	0.03	13.60	0.94	0.74	0.03
11.05	0.36	0.20	0.03	13.65	0.95	0.74	0.03
11.10	0.37	0.20	0.03	13.70	0.95	0.74	0.03
11.15	0.37	0.20	0.03	13.75	0.95	0.75	0.02
11.20	0.38	0.21	0.03	13.80	0.96	0.75	0.02
11.25	0.38	0.22	0.03	13.85	0.96	0.75	0.02
11.30	0.39	0.22	0.03	13.90	0.96	0.76	0.02
11.35	0.40	0.23	0.03	13.95	0.97	0.76	0.02
11.40	0.40	0.23	0.04	14.00	0.97	0.76	0.02
11.45	0.41	0.24	0.04	14.05	0.97	0.76	0.02
11.50	0.42	0.25	0.04	14.10	0.98	0.77	0.02
11.55	0.43	0.25	0.04	14.15	0.98	0.77	0.02
11.60	0.44	0.26	0.04	14.20	0.98	0.77	0.02
11.65	0.45	0.27	0.05	14.25	0.98	0.78	0.02
11.70	0.46	0.28	0.05	14.30	0.99	0.78	0.02
11.75	0.47	0.29	0.05	14.35	0.99	0.78	0.02
11.80	0.49	0.31	0.06	14.40	0.99	0.78	0.02
11.85	0.51	0.32	0.07	14.45	0.99	0.79	0.02
11.90	0.53	0.34	0.08	14.50	1.00	0.79	0.02
11.95	0.56	0.38	0.09	14.55	1.00	0.79	0.02
12.00	0.60	0.41	0.11	14.60	1.00	0.79	0.02
12.05	0.66	0.47	0.14	14.65	1.00	0.80	0.02
12.10	0.72	0.53	0.19	14.70	1.01	0.80	0.02
12.15	0.74	0.54	0.23	14.75	1.01	0.80	0.02
12.20	0.76	0.56	0.24	14.80	1.01	0.80	0.02
12.25	0.78	0.58	0.22	14.85	1.01	0.80	0.02
12.30	0.79	0.59	0.20	14.90	1.02	0.81	0.02
12.35	0.80	0.60	0.17	14.95	1.02	0.81	0.02
12.40	0.81	0.61	0.15	15.00	1.02	0.81	0.02
12.45	0.82	0.62	0.13	15.05	1.02	0.81	0.02
12.50	0.83	0.63	0.12	15.10	1.02	0.81	0.02
12.55	0.84	0.64	0.11	15.15	1.03	0.82	0.02
12.60	0.85	0.64	0.09	15.20	1.03	0.82	0.01
12.65	0.85	0.65	0.08	15.25	1.03	0.82	0.01
12.70	0.86	0.66	0.08	15.30	1.03	0.82	0.01
12.75	0.87	0.66	0.07	15.35	1.03	0.82	0.01

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.83	0.01	18.00	1.12	0.91	0.01
15.45	1.04	0.83	0.01	18.05	1.12	0.91	0.01
15.50	1.04	0.83	0.01	18.10	1.12	0.91	0.01
15.55	1.04	0.83	0.01	18.15	1.13	0.91	0.01
15.60	1.04	0.83	0.01	18.20	1.13	0.91	0.01
15.65	1.05	0.84	0.01	18.25	1.13	0.91	0.01
15.70	1.05	0.84	0.01	18.30	1.13	0.92	0.01
15.75	1.05	0.84	0.01	18.35	1.13	0.92	0.01
15.80	1.05	0.84	0.01	18.40	1.13	0.92	0.01
15.85	1.05	0.84	0.01	18.45	1.13	0.92	0.01
15.90	1.06	0.85	0.01	18.50	1.13	0.92	0.01
15.95	1.06	0.85	0.01	18.55	1.14	0.92	0.01
16.00	1.06	0.85	0.01	18.60	1.14	0.92	0.01
16.05	1.06	0.85	0.01	18.65	1.14	0.92	0.01
16.10	1.06	0.85	0.01	18.70	1.14	0.93	0.01
16.15	1.06	0.85	0.01	18.75	1.14	0.93	0.01
16.20	1.07	0.86	0.01	18.80	1.14	0.93	0.01
16.25	1.07	0.86	0.01	18.85	1.14	0.93	0.01
16.30	1.07	0.86	0.01	18.90	1.14	0.93	0.01
16.35	1.07	0.86	0.01	18.95	1.14	0.93	0.01
16.40	1.07	0.86	0.01	19.00	1.15	0.93	0.01
16.45	1.08	0.86	0.01	19.05	1.15	0.93	0.01
16.50	1.08	0.87	0.01	19.10	1.15	0.94	0.01
16.55	1.08	0.87	0.01	19.15	1.15	0.94	0.01
16.60	1.08	0.87	0.01	19.20	1.15	0.94	0.01
16.65	1.08	0.87	0.01	19.25	1.15	0.94	0.01
16.70	1.08	0.87	0.01	19.30	1.15	0.94	0.01
16.75	1.09	0.87	0.01	19.35	1.15	0.94	0.01
16.80	1.09	0.88	0.01	19.40	1.16	0.94	0.01
16.85	1.09	0.88	0.01	19.45	1.16	0.94	0.01
16.90	1.09	0.88	0.01	19.50	1.16	0.94	0.01
16.95	1.09	0.88	0.01	19.55	1.16	0.95	0.01
17.00	1.09	0.88	0.01	19.60	1.16	0.95	0.01
17.05	1.09	0.88	0.01	19.65	1.16	0.95	0.01
17.10	1.10	0.88	0.01	19.70	1.16	0.95	0.01
17.15	1.10	0.89	0.01	19.75	1.16	0.95	0.01
17.20	1.10	0.89	0.01	19.80	1.16	0.95	0.01
17.25	1.10	0.89	0.01	19.85	1.17	0.95	0.01
17.30	1.10	0.89	0.01	19.90	1.17	0.95	0.01
17.35	1.10	0.89	0.01	19.95	1.17	0.95	0.01
17.40	1.10	0.89	0.01	20.00	1.17	0.96	0.01
17.45	1.11	0.89	0.01	20.05	1.17	0.96	0.01
17.50	1.11	0.90	0.01	20.10	1.17	0.96	0.01
17.55	1.11	0.90	0.01	20.15	1.17	0.96	0.01
17.60	1.11	0.90	0.01	20.20	1.17	0.96	0.01
17.65	1.11	0.90	0.01	20.25	1.18	0.96	0.01
17.70	1.11	0.90	0.01	20.30	1.18	0.96	0.01
17.75	1.11	0.90	0.01	20.35	1.18	0.96	0.01
17.80	1.12	0.90	0.01	20.40	1.18	0.96	0.01
17.85	1.12	0.90	0.01	20.45	1.18	0.97	0.01
17.90	1.12	0.91	0.01	20.50	1.18	0.97	0.01
17.95	1.12	0.91	0.01	20.55	1.18	0.97	0.01

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.97	0.01	23.20	1.24	1.02	0.01
20.65	1.18	0.97	0.01	23.25	1.24	1.02	0.01
20.70	1.19	0.97	0.01	23.30	1.24	1.02	0.01
20.75	1.19	0.97	0.01	23.35	1.24	1.02	0.01
20.80	1.19	0.97	0.01	23.40	1.24	1.02	0.01
20.85	1.19	0.97	0.01	23.45	1.24	1.02	0.01
20.90	1.19	0.98	0.01	23.50	1.24	1.03	0.01
20.95	1.19	0.98	0.01	23.55	1.24	1.03	0.01
21.00	1.19	0.98	0.01	23.60	1.24	1.03	0.01
21.05	1.19	0.98	0.01	23.65	1.24	1.03	0.01
21.10	1.19	0.98	0.01	23.70	1.24	1.03	0.01
21.15	1.19	0.98	0.01	23.75	1.25	1.03	0.01
21.20	1.20	0.98	0.01	23.80	1.25	1.03	0.01
21.25	1.20	0.98	0.01	23.85	1.25	1.03	0.01
21.30	1.20	0.98	0.01	23.90	1.25	1.03	0.01
21.35	1.20	0.98	0.01	23.95	1.25	1.03	0.01
21.40	1.20	0.99	0.01	24.00	1.25	1.03	0.01
21.45	1.20	0.99	0.01	24.05	1.25	1.03	0.01
21.50	1.20	0.99	0.01	24.10	1.25	1.03	0.01
21.55	1.20	0.99	0.01	24.15	1.25	1.03	0.00
21.60	1.20	0.99	0.01	24.20	1.25	1.03	0.00
21.65	1.21	0.99	0.01	24.25	1.25	1.03	0.00
21.70	1.21	0.99	0.01	24.30	1.25	1.03	0.00
21.75	1.21	0.99	0.01	24.35	1.25	1.03	0.00
21.80	1.21	0.99	0.01	24.40	1.25	1.03	0.00
21.85	1.21	0.99	0.01	24.45	1.25	1.03	0.00
21.90	1.21	1.00	0.01	24.50	1.25	1.03	0.00
21.95	1.21	1.00	0.01	24.55	1.25	1.03	0.00
22.00	1.21	1.00	0.01	24.60	1.25	1.03	0.00
22.05	1.21	1.00	0.01	24.65	1.25	1.03	0.00
22.10	1.21	1.00	0.01	24.70	1.25	1.03	0.00
22.15	1.22	1.00	0.01	24.75	1.25	1.03	0.00
22.20	1.22	1.00	0.01	24.80	1.25	1.03	0.00
22.25	1.22	1.00	0.01	24.85	1.25	1.03	0.00
22.30	1.22	1.00	0.01	24.90	1.25	1.03	0.00
22.35	1.22	1.00	0.01	24.95	1.25	1.03	0.00
22.40	1.22	1.01	0.01	25.00	1.25	1.03	0.00
22.45	1.22	1.01	0.01	25.05	1.25	1.03	0.00
22.50	1.22	1.01	0.01	25.10	1.25	1.03	0.00
22.55	1.22	1.01	0.01	25.15	1.25	1.03	0.00
22.60	1.22	1.01	0.01	25.20	1.25	1.03	0.00
22.65	1.23	1.01	0.01	25.25	1.25	1.03	0.00
22.70	1.23	1.01	0.01	25.30	1.25	1.03	0.00
22.75	1.23	1.01	0.01	25.35	1.25	1.03	0.00
22.80	1.23	1.01	0.01	25.40	1.25	1.03	0.00
22.85	1.23	1.01	0.01	25.45	1.25	1.03	0.00
22.90	1.23	1.01	0.01	25.50	1.25	1.03	0.00
22.95	1.23	1.02	0.01	25.55	1.25	1.03	0.00
23.00	1.23	1.02	0.01	25.60	1.25	1.03	0.00
23.05	1.23	1.02	0.01	25.65	1.25	1.03	0.00
23.10	1.23	1.02	0.01	25.70	1.25	1.03	0.00
23.15	1.23	1.02	0.01	25.75	1.25	1.03	0.00

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Hydrograph for Subcatchment Basin 2 Roof: Basin 2 Roof (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	1.03	0.00	28.40	1.25	1.03	0.00
25.85	1.25	1.03	0.00	28.45	1.25	1.03	0.00
25.90	1.25	1.03	0.00	28.50	1.25	1.03	0.00
25.95	1.25	1.03	0.00	28.55	1.25	1.03	0.00
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00				
27.50	1.25	1.03	0.00				
27.55	1.25	1.03	0.00				
27.60	1.25	1.03	0.00				
27.65	1.25	1.03	0.00				
27.70	1.25	1.03	0.00				
27.75	1.25	1.03	0.00				
27.80	1.25	1.03	0.00				
27.85	1.25	1.03	0.00				
27.90	1.25	1.03	0.00				
27.95	1.25	1.03	0.00				
28.00	1.25	1.03	0.00				
28.05	1.25	1.03	0.00				
28.10	1.25	1.03	0.00				
28.15	1.25	1.03	0.00				
28.20	1.25	1.03	0.00				
28.25	1.25	1.03	0.00				
28.30	1.25	1.03	0.00				
28.35	1.25	1.03	0.00				

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Summary for Subcatchment Basin 3 Impervious: Basin 3 Impervious

Runoff = 0.82 cfs @ 12.19 hrs, Volume= 0.102 af, Depth> 1.02"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.550	98	Pavement & Sidewalk
* 0.250	98	Driveways
* 0.400	98	Roof
1.200	98	Weighted Average
1.200		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.01	0.01	7.60	0.18	0.05	0.02
5.05	0.11	0.02	0.01	7.65	0.18	0.06	0.02
5.10	0.11	0.02	0.01	7.70	0.18	0.06	0.03
5.15	0.11	0.02	0.01	7.75	0.18	0.06	0.03
5.20	0.11	0.02	0.01	7.80	0.18	0.06	0.03
5.25	0.11	0.02	0.01	7.85	0.19	0.06	0.03
5.30	0.11	0.02	0.01	7.90	0.19	0.06	0.03
5.35	0.11	0.02	0.01	7.95	0.19	0.06	0.03
5.40	0.11	0.02	0.01	8.00	0.19	0.06	0.03
5.45	0.11	0.02	0.01	8.05	0.19	0.06	0.03
5.50	0.12	0.02	0.01	8.10	0.19	0.07	0.03
5.55	0.12	0.02	0.01	8.15	0.20	0.07	0.03
5.60	0.12	0.02	0.01	8.20	0.20	0.07	0.03
5.65	0.12	0.02	0.01	8.25	0.20	0.07	0.03
5.70	0.12	0.02	0.01	8.30	0.20	0.07	0.03
5.75	0.12	0.02	0.01	8.35	0.20	0.07	0.03
5.80	0.12	0.02	0.01	8.40	0.21	0.07	0.03
5.85	0.12	0.02	0.01	8.45	0.21	0.07	0.03
5.90	0.13	0.03	0.01	8.50	0.21	0.08	0.03
5.95	0.13	0.03	0.01	8.55	0.21	0.08	0.03
6.00	0.13	0.03	0.01	8.60	0.21	0.08	0.03
6.05	0.13	0.03	0.02	8.65	0.22	0.08	0.03
6.10	0.13	0.03	0.02	8.70	0.22	0.08	0.03
6.15	0.13	0.03	0.02	8.75	0.22	0.08	0.03
6.20	0.13	0.03	0.02	8.80	0.22	0.08	0.03
6.25	0.14	0.03	0.02	8.85	0.22	0.09	0.03
6.30	0.14	0.03	0.02	8.90	0.23	0.09	0.03
6.35	0.14	0.03	0.02	8.95	0.23	0.09	0.03
6.40	0.14	0.03	0.02	9.00	0.23	0.09	0.03
6.45	0.14	0.03	0.02	9.05	0.23	0.09	0.04
6.50	0.14	0.03	0.02	9.10	0.23	0.09	0.04
6.55	0.14	0.03	0.02	9.15	0.24	0.10	0.04
6.60	0.15	0.04	0.02	9.20	0.24	0.10	0.04
6.65	0.15	0.04	0.02	9.25	0.24	0.10	0.04
6.70	0.15	0.04	0.02	9.30	0.24	0.10	0.04
6.75	0.15	0.04	0.02	9.35	0.25	0.10	0.04
6.80	0.15	0.04	0.02	9.40	0.25	0.10	0.04
6.85	0.15	0.04	0.02	9.45	0.25	0.11	0.04
6.90	0.15	0.04	0.02	9.50	0.25	0.11	0.04
6.95	0.16	0.04	0.02	9.55	0.26	0.11	0.04
7.00	0.16	0.04	0.02	9.60	0.26	0.11	0.04
7.05	0.16	0.04	0.02	9.65	0.26	0.11	0.04
7.10	0.16	0.04	0.02	9.70	0.26	0.12	0.05
7.15	0.16	0.04	0.02	9.75	0.27	0.12	0.05
7.20	0.16	0.05	0.02	9.80	0.27	0.12	0.05
7.25	0.16	0.05	0.02	9.85	0.27	0.12	0.05
7.30	0.17	0.05	0.02	9.90	0.27	0.12	0.05
7.35	0.17	0.05	0.02	9.95	0.28	0.13	0.05
7.40	0.17	0.05	0.02	10.00	0.28	0.13	0.05
7.45	0.17	0.05	0.02	10.05	0.28	0.13	0.05
7.50	0.17	0.05	0.02	10.10	0.29	0.13	0.05
7.55	0.17	0.05	0.02	10.15	0.29	0.14	0.05

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.14	0.06	12.80	0.87	0.67	0.21
10.25	0.30	0.14	0.06	12.85	0.88	0.67	0.20
10.30	0.30	0.14	0.06	12.90	0.88	0.68	0.18
10.35	0.30	0.15	0.06	12.95	0.89	0.68	0.17
10.40	0.31	0.15	0.06	13.00	0.89	0.69	0.16
10.45	0.31	0.15	0.06	13.05	0.90	0.69	0.15
10.50	0.31	0.15	0.06	13.10	0.90	0.70	0.14
10.55	0.32	0.16	0.06	13.15	0.91	0.70	0.14
10.60	0.32	0.16	0.06	13.20	0.91	0.71	0.13
10.65	0.32	0.16	0.07	13.25	0.92	0.71	0.12
10.70	0.33	0.17	0.07	13.30	0.92	0.72	0.12
10.75	0.33	0.17	0.07	13.35	0.93	0.72	0.11
10.80	0.34	0.17	0.07	13.40	0.93	0.72	0.11
10.85	0.34	0.18	0.08	13.45	0.93	0.73	0.11
10.90	0.35	0.18	0.08	13.50	0.94	0.73	0.10
10.95	0.35	0.19	0.08	13.55	0.94	0.73	0.10
11.00	0.36	0.19	0.09	13.60	0.94	0.74	0.09
11.05	0.36	0.20	0.09	13.65	0.95	0.74	0.09
11.10	0.37	0.20	0.09	13.70	0.95	0.74	0.09
11.15	0.37	0.20	0.10	13.75	0.95	0.75	0.08
11.20	0.38	0.21	0.10	13.80	0.96	0.75	0.08
11.25	0.38	0.22	0.11	13.85	0.96	0.75	0.08
11.30	0.39	0.22	0.11	13.90	0.96	0.76	0.08
11.35	0.40	0.23	0.12	13.95	0.97	0.76	0.08
11.40	0.40	0.23	0.12	14.00	0.97	0.76	0.08
11.45	0.41	0.24	0.13	14.05	0.97	0.76	0.07
11.50	0.42	0.25	0.13	14.10	0.98	0.77	0.07
11.55	0.43	0.25	0.14	14.15	0.98	0.77	0.07
11.60	0.44	0.26	0.15	14.20	0.98	0.77	0.07
11.65	0.45	0.27	0.16	14.25	0.98	0.78	0.07
11.70	0.46	0.28	0.17	14.30	0.99	0.78	0.07
11.75	0.47	0.29	0.19	14.35	0.99	0.78	0.07
11.80	0.49	0.31	0.20	14.40	0.99	0.78	0.07
11.85	0.51	0.32	0.23	14.45	0.99	0.79	0.07
11.90	0.53	0.34	0.26	14.50	1.00	0.79	0.06
11.95	0.56	0.38	0.31	14.55	1.00	0.79	0.06
12.00	0.60	0.41	0.39	14.60	1.00	0.79	0.06
12.05	0.66	0.47	0.49	14.65	1.00	0.80	0.06
12.10	0.72	0.53	0.64	14.70	1.01	0.80	0.06
12.15	0.74	0.54	0.78	14.75	1.01	0.80	0.06
12.20	0.76	0.56	0.82	14.80	1.01	0.80	0.06
12.25	0.78	0.58	0.75	14.85	1.01	0.80	0.06
12.30	0.79	0.59	0.67	14.90	1.02	0.81	0.06
12.35	0.80	0.60	0.59	14.95	1.02	0.81	0.06
12.40	0.81	0.61	0.52	15.00	1.02	0.81	0.05
12.45	0.82	0.62	0.46	15.05	1.02	0.81	0.05
12.50	0.83	0.63	0.41	15.10	1.02	0.81	0.05
12.55	0.84	0.64	0.36	15.15	1.03	0.82	0.05
12.60	0.85	0.64	0.33	15.20	1.03	0.82	0.05
12.65	0.85	0.65	0.29	15.25	1.03	0.82	0.05
12.70	0.86	0.66	0.26	15.30	1.03	0.82	0.05
12.75	0.87	0.66	0.23	15.35	1.03	0.82	0.05

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.83	0.05	18.00	1.12	0.91	0.03
15.45	1.04	0.83	0.05	18.05	1.12	0.91	0.03
15.50	1.04	0.83	0.05	18.10	1.12	0.91	0.03
15.55	1.04	0.83	0.05	18.15	1.13	0.91	0.03
15.60	1.04	0.83	0.05	18.20	1.13	0.91	0.03
15.65	1.05	0.84	0.05	18.25	1.13	0.91	0.03
15.70	1.05	0.84	0.05	18.30	1.13	0.92	0.03
15.75	1.05	0.84	0.05	18.35	1.13	0.92	0.03
15.80	1.05	0.84	0.05	18.40	1.13	0.92	0.03
15.85	1.05	0.84	0.05	18.45	1.13	0.92	0.03
15.90	1.06	0.85	0.04	18.50	1.13	0.92	0.03
15.95	1.06	0.85	0.04	18.55	1.14	0.92	0.03
16.00	1.06	0.85	0.04	18.60	1.14	0.92	0.03
16.05	1.06	0.85	0.04	18.65	1.14	0.92	0.03
16.10	1.06	0.85	0.04	18.70	1.14	0.93	0.03
16.15	1.06	0.85	0.04	18.75	1.14	0.93	0.03
16.20	1.07	0.86	0.04	18.80	1.14	0.93	0.03
16.25	1.07	0.86	0.04	18.85	1.14	0.93	0.03
16.30	1.07	0.86	0.04	18.90	1.14	0.93	0.03
16.35	1.07	0.86	0.04	18.95	1.14	0.93	0.03
16.40	1.07	0.86	0.04	19.00	1.15	0.93	0.03
16.45	1.08	0.86	0.04	19.05	1.15	0.93	0.03
16.50	1.08	0.87	0.04	19.10	1.15	0.94	0.03
16.55	1.08	0.87	0.04	19.15	1.15	0.94	0.03
16.60	1.08	0.87	0.04	19.20	1.15	0.94	0.03
16.65	1.08	0.87	0.04	19.25	1.15	0.94	0.03
16.70	1.08	0.87	0.04	19.30	1.15	0.94	0.03
16.75	1.09	0.87	0.04	19.35	1.15	0.94	0.03
16.80	1.09	0.88	0.04	19.40	1.16	0.94	0.03
16.85	1.09	0.88	0.04	19.45	1.16	0.94	0.03
16.90	1.09	0.88	0.04	19.50	1.16	0.94	0.03
16.95	1.09	0.88	0.04	19.55	1.16	0.95	0.03
17.00	1.09	0.88	0.04	19.60	1.16	0.95	0.03
17.05	1.09	0.88	0.04	19.65	1.16	0.95	0.03
17.10	1.10	0.88	0.04	19.70	1.16	0.95	0.03
17.15	1.10	0.89	0.04	19.75	1.16	0.95	0.03
17.20	1.10	0.89	0.04	19.80	1.16	0.95	0.03
17.25	1.10	0.89	0.04	19.85	1.17	0.95	0.03
17.30	1.10	0.89	0.04	19.90	1.17	0.95	0.03
17.35	1.10	0.89	0.04	19.95	1.17	0.95	0.03
17.40	1.10	0.89	0.04	20.00	1.17	0.96	0.03
17.45	1.11	0.89	0.04	20.05	1.17	0.96	0.03
17.50	1.11	0.90	0.03	20.10	1.17	0.96	0.03
17.55	1.11	0.90	0.03	20.15	1.17	0.96	0.03
17.60	1.11	0.90	0.03	20.20	1.17	0.96	0.03
17.65	1.11	0.90	0.03	20.25	1.18	0.96	0.03
17.70	1.11	0.90	0.03	20.30	1.18	0.96	0.03
17.75	1.11	0.90	0.03	20.35	1.18	0.96	0.03
17.80	1.12	0.90	0.03	20.40	1.18	0.96	0.03
17.85	1.12	0.90	0.03	20.45	1.18	0.97	0.03
17.90	1.12	0.91	0.03	20.50	1.18	0.97	0.03
17.95	1.12	0.91	0.03	20.55	1.18	0.97	0.03

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.97	0.03	23.20	1.24	1.02	0.02
20.65	1.18	0.97	0.03	23.25	1.24	1.02	0.02
20.70	1.19	0.97	0.03	23.30	1.24	1.02	0.02
20.75	1.19	0.97	0.03	23.35	1.24	1.02	0.02
20.80	1.19	0.97	0.03	23.40	1.24	1.02	0.02
20.85	1.19	0.97	0.03	23.45	1.24	1.02	0.02
20.90	1.19	0.98	0.03	23.50	1.24	1.03	0.02
20.95	1.19	0.98	0.03	23.55	1.24	1.03	0.02
21.00	1.19	0.98	0.03	23.60	1.24	1.03	0.02
21.05	1.19	0.98	0.03	23.65	1.24	1.03	0.02
21.10	1.19	0.98	0.03	23.70	1.24	1.03	0.02
21.15	1.19	0.98	0.03	23.75	1.25	1.03	0.02
21.20	1.20	0.98	0.03	23.80	1.25	1.03	0.02
21.25	1.20	0.98	0.03	23.85	1.25	1.03	0.02
21.30	1.20	0.98	0.03	23.90	1.25	1.03	0.02
21.35	1.20	0.98	0.03	23.95	1.25	1.03	0.02
21.40	1.20	0.99	0.03	24.00	1.25	1.03	0.02
21.45	1.20	0.99	0.03	24.05	1.25	1.03	0.02
21.50	1.20	0.99	0.02	24.10	1.25	1.03	0.02
21.55	1.20	0.99	0.02	24.15	1.25	1.03	0.01
21.60	1.20	0.99	0.02	24.20	1.25	1.03	0.01
21.65	1.21	0.99	0.02	24.25	1.25	1.03	0.01
21.70	1.21	0.99	0.02	24.30	1.25	1.03	0.01
21.75	1.21	0.99	0.02	24.35	1.25	1.03	0.00
21.80	1.21	0.99	0.02	24.40	1.25	1.03	0.00
21.85	1.21	0.99	0.02	24.45	1.25	1.03	0.00
21.90	1.21	1.00	0.02	24.50	1.25	1.03	0.00
21.95	1.21	1.00	0.02	24.55	1.25	1.03	0.00
22.00	1.21	1.00	0.02	24.60	1.25	1.03	0.00
22.05	1.21	1.00	0.02	24.65	1.25	1.03	0.00
22.10	1.21	1.00	0.02	24.70	1.25	1.03	0.00
22.15	1.22	1.00	0.02	24.75	1.25	1.03	0.00
22.20	1.22	1.00	0.02	24.80	1.25	1.03	0.00
22.25	1.22	1.00	0.02	24.85	1.25	1.03	0.00
22.30	1.22	1.00	0.02	24.90	1.25	1.03	0.00
22.35	1.22	1.00	0.02	24.95	1.25	1.03	0.00
22.40	1.22	1.01	0.02	25.00	1.25	1.03	0.00
22.45	1.22	1.01	0.02	25.05	1.25	1.03	0.00
22.50	1.22	1.01	0.02	25.10	1.25	1.03	0.00
22.55	1.22	1.01	0.02	25.15	1.25	1.03	0.00
22.60	1.22	1.01	0.02	25.20	1.25	1.03	0.00
22.65	1.23	1.01	0.02	25.25	1.25	1.03	0.00
22.70	1.23	1.01	0.02	25.30	1.25	1.03	0.00
22.75	1.23	1.01	0.02	25.35	1.25	1.03	0.00
22.80	1.23	1.01	0.02	25.40	1.25	1.03	0.00
22.85	1.23	1.01	0.02	25.45	1.25	1.03	0.00
22.90	1.23	1.01	0.02	25.50	1.25	1.03	0.00
22.95	1.23	1.02	0.02	25.55	1.25	1.03	0.00
23.00	1.23	1.02	0.02	25.60	1.25	1.03	0.00
23.05	1.23	1.02	0.02	25.65	1.25	1.03	0.00
23.10	1.23	1.02	0.02	25.70	1.25	1.03	0.00
23.15	1.23	1.02	0.02	25.75	1.25	1.03	0.00

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Hydrograph for Subcatchment Basin 3 Impervious: Basin 3 Impervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	1.03	0.00	28.40	1.25	1.03	0.00
25.85	1.25	1.03	0.00	28.45	1.25	1.03	0.00
25.90	1.25	1.03	0.00	28.50	1.25	1.03	0.00
25.95	1.25	1.03	0.00	28.55	1.25	1.03	0.00
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00				
27.50	1.25	1.03	0.00				
27.55	1.25	1.03	0.00				
27.60	1.25	1.03	0.00				
27.65	1.25	1.03	0.00				
27.70	1.25	1.03	0.00				
27.75	1.25	1.03	0.00				
27.80	1.25	1.03	0.00				
27.85	1.25	1.03	0.00				
27.90	1.25	1.03	0.00				
27.95	1.25	1.03	0.00				
28.00	1.25	1.03	0.00				
28.05	1.25	1.03	0.00				
28.10	1.25	1.03	0.00				
28.15	1.25	1.03	0.00				
28.20	1.25	1.03	0.00				
28.25	1.25	1.03	0.00				
28.30	1.25	1.03	0.00				
28.35	1.25	1.03	0.00				

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Summary for Subcatchment Basin 3 Pervious: Basin 3 - Pervious

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D WQ storm Rainfall=1.25"

Area (ac)	CN	Description
* 3.300	39	lawn, A soils
3.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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NRCC 24-hr D WQ storm Rainfall=1.25"

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.00	0.00	7.60	0.18	0.00	0.00
5.05	0.11	0.00	0.00	7.65	0.18	0.00	0.00
5.10	0.11	0.00	0.00	7.70	0.18	0.00	0.00
5.15	0.11	0.00	0.00	7.75	0.18	0.00	0.00
5.20	0.11	0.00	0.00	7.80	0.18	0.00	0.00
5.25	0.11	0.00	0.00	7.85	0.19	0.00	0.00
5.30	0.11	0.00	0.00	7.90	0.19	0.00	0.00
5.35	0.11	0.00	0.00	7.95	0.19	0.00	0.00
5.40	0.11	0.00	0.00	8.00	0.19	0.00	0.00
5.45	0.11	0.00	0.00	8.05	0.19	0.00	0.00
5.50	0.12	0.00	0.00	8.10	0.19	0.00	0.00
5.55	0.12	0.00	0.00	8.15	0.20	0.00	0.00
5.60	0.12	0.00	0.00	8.20	0.20	0.00	0.00
5.65	0.12	0.00	0.00	8.25	0.20	0.00	0.00
5.70	0.12	0.00	0.00	8.30	0.20	0.00	0.00
5.75	0.12	0.00	0.00	8.35	0.20	0.00	0.00
5.80	0.12	0.00	0.00	8.40	0.21	0.00	0.00
5.85	0.12	0.00	0.00	8.45	0.21	0.00	0.00
5.90	0.13	0.00	0.00	8.50	0.21	0.00	0.00
5.95	0.13	0.00	0.00	8.55	0.21	0.00	0.00
6.00	0.13	0.00	0.00	8.60	0.21	0.00	0.00
6.05	0.13	0.00	0.00	8.65	0.22	0.00	0.00
6.10	0.13	0.00	0.00	8.70	0.22	0.00	0.00
6.15	0.13	0.00	0.00	8.75	0.22	0.00	0.00
6.20	0.13	0.00	0.00	8.80	0.22	0.00	0.00
6.25	0.14	0.00	0.00	8.85	0.22	0.00	0.00
6.30	0.14	0.00	0.00	8.90	0.23	0.00	0.00
6.35	0.14	0.00	0.00	8.95	0.23	0.00	0.00
6.40	0.14	0.00	0.00	9.00	0.23	0.00	0.00
6.45	0.14	0.00	0.00	9.05	0.23	0.00	0.00
6.50	0.14	0.00	0.00	9.10	0.23	0.00	0.00
6.55	0.14	0.00	0.00	9.15	0.24	0.00	0.00
6.60	0.15	0.00	0.00	9.20	0.24	0.00	0.00
6.65	0.15	0.00	0.00	9.25	0.24	0.00	0.00
6.70	0.15	0.00	0.00	9.30	0.24	0.00	0.00
6.75	0.15	0.00	0.00	9.35	0.25	0.00	0.00
6.80	0.15	0.00	0.00	9.40	0.25	0.00	0.00
6.85	0.15	0.00	0.00	9.45	0.25	0.00	0.00
6.90	0.15	0.00	0.00	9.50	0.25	0.00	0.00
6.95	0.16	0.00	0.00	9.55	0.26	0.00	0.00
7.00	0.16	0.00	0.00	9.60	0.26	0.00	0.00
7.05	0.16	0.00	0.00	9.65	0.26	0.00	0.00
7.10	0.16	0.00	0.00	9.70	0.26	0.00	0.00
7.15	0.16	0.00	0.00	9.75	0.27	0.00	0.00
7.20	0.16	0.00	0.00	9.80	0.27	0.00	0.00
7.25	0.16	0.00	0.00	9.85	0.27	0.00	0.00
7.30	0.17	0.00	0.00	9.90	0.27	0.00	0.00
7.35	0.17	0.00	0.00	9.95	0.28	0.00	0.00
7.40	0.17	0.00	0.00	10.00	0.28	0.00	0.00
7.45	0.17	0.00	0.00	10.05	0.28	0.00	0.00
7.50	0.17	0.00	0.00	10.10	0.29	0.00	0.00
7.55	0.17	0.00	0.00	10.15	0.29	0.00	0.00

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NRCC 24-hr D WQ storm Rainfall=1.25"

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.00	0.00	12.80	0.87	0.00	0.00
10.25	0.30	0.00	0.00	12.85	0.88	0.00	0.00
10.30	0.30	0.00	0.00	12.90	0.88	0.00	0.00
10.35	0.30	0.00	0.00	12.95	0.89	0.00	0.00
10.40	0.31	0.00	0.00	13.00	0.89	0.00	0.00
10.45	0.31	0.00	0.00	13.05	0.90	0.00	0.00
10.50	0.31	0.00	0.00	13.10	0.90	0.00	0.00
10.55	0.32	0.00	0.00	13.15	0.91	0.00	0.00
10.60	0.32	0.00	0.00	13.20	0.91	0.00	0.00
10.65	0.32	0.00	0.00	13.25	0.92	0.00	0.00
10.70	0.33	0.00	0.00	13.30	0.92	0.00	0.00
10.75	0.33	0.00	0.00	13.35	0.93	0.00	0.00
10.80	0.34	0.00	0.00	13.40	0.93	0.00	0.00
10.85	0.34	0.00	0.00	13.45	0.93	0.00	0.00
10.90	0.35	0.00	0.00	13.50	0.94	0.00	0.00
10.95	0.35	0.00	0.00	13.55	0.94	0.00	0.00
11.00	0.36	0.00	0.00	13.60	0.94	0.00	0.00
11.05	0.36	0.00	0.00	13.65	0.95	0.00	0.00
11.10	0.37	0.00	0.00	13.70	0.95	0.00	0.00
11.15	0.37	0.00	0.00	13.75	0.95	0.00	0.00
11.20	0.38	0.00	0.00	13.80	0.96	0.00	0.00
11.25	0.38	0.00	0.00	13.85	0.96	0.00	0.00
11.30	0.39	0.00	0.00	13.90	0.96	0.00	0.00
11.35	0.40	0.00	0.00	13.95	0.97	0.00	0.00
11.40	0.40	0.00	0.00	14.00	0.97	0.00	0.00
11.45	0.41	0.00	0.00	14.05	0.97	0.00	0.00
11.50	0.42	0.00	0.00	14.10	0.98	0.00	0.00
11.55	0.43	0.00	0.00	14.15	0.98	0.00	0.00
11.60	0.44	0.00	0.00	14.20	0.98	0.00	0.00
11.65	0.45	0.00	0.00	14.25	0.98	0.00	0.00
11.70	0.46	0.00	0.00	14.30	0.99	0.00	0.00
11.75	0.47	0.00	0.00	14.35	0.99	0.00	0.00
11.80	0.49	0.00	0.00	14.40	0.99	0.00	0.00
11.85	0.51	0.00	0.00	14.45	0.99	0.00	0.00
11.90	0.53	0.00	0.00	14.50	1.00	0.00	0.00
11.95	0.56	0.00	0.00	14.55	1.00	0.00	0.00
12.00	0.60	0.00	0.00	14.60	1.00	0.00	0.00
12.05	0.66	0.00	0.00	14.65	1.00	0.00	0.00
12.10	0.72	0.00	0.00	14.70	1.01	0.00	0.00
12.15	0.74	0.00	0.00	14.75	1.01	0.00	0.00
12.20	0.76	0.00	0.00	14.80	1.01	0.00	0.00
12.25	0.78	0.00	0.00	14.85	1.01	0.00	0.00
12.30	0.79	0.00	0.00	14.90	1.02	0.00	0.00
12.35	0.80	0.00	0.00	14.95	1.02	0.00	0.00
12.40	0.81	0.00	0.00	15.00	1.02	0.00	0.00
12.45	0.82	0.00	0.00	15.05	1.02	0.00	0.00
12.50	0.83	0.00	0.00	15.10	1.02	0.00	0.00
12.55	0.84	0.00	0.00	15.15	1.03	0.00	0.00
12.60	0.85	0.00	0.00	15.20	1.03	0.00	0.00
12.65	0.85	0.00	0.00	15.25	1.03	0.00	0.00
12.70	0.86	0.00	0.00	15.30	1.03	0.00	0.00
12.75	0.87	0.00	0.00	15.35	1.03	0.00	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.00	0.00	18.00	1.12	0.00	0.00
15.45	1.04	0.00	0.00	18.05	1.12	0.00	0.00
15.50	1.04	0.00	0.00	18.10	1.12	0.00	0.00
15.55	1.04	0.00	0.00	18.15	1.13	0.00	0.00
15.60	1.04	0.00	0.00	18.20	1.13	0.00	0.00
15.65	1.05	0.00	0.00	18.25	1.13	0.00	0.00
15.70	1.05	0.00	0.00	18.30	1.13	0.00	0.00
15.75	1.05	0.00	0.00	18.35	1.13	0.00	0.00
15.80	1.05	0.00	0.00	18.40	1.13	0.00	0.00
15.85	1.05	0.00	0.00	18.45	1.13	0.00	0.00
15.90	1.06	0.00	0.00	18.50	1.13	0.00	0.00
15.95	1.06	0.00	0.00	18.55	1.14	0.00	0.00
16.00	1.06	0.00	0.00	18.60	1.14	0.00	0.00
16.05	1.06	0.00	0.00	18.65	1.14	0.00	0.00
16.10	1.06	0.00	0.00	18.70	1.14	0.00	0.00
16.15	1.06	0.00	0.00	18.75	1.14	0.00	0.00
16.20	1.07	0.00	0.00	18.80	1.14	0.00	0.00
16.25	1.07	0.00	0.00	18.85	1.14	0.00	0.00
16.30	1.07	0.00	0.00	18.90	1.14	0.00	0.00
16.35	1.07	0.00	0.00	18.95	1.14	0.00	0.00
16.40	1.07	0.00	0.00	19.00	1.15	0.00	0.00
16.45	1.08	0.00	0.00	19.05	1.15	0.00	0.00
16.50	1.08	0.00	0.00	19.10	1.15	0.00	0.00
16.55	1.08	0.00	0.00	19.15	1.15	0.00	0.00
16.60	1.08	0.00	0.00	19.20	1.15	0.00	0.00
16.65	1.08	0.00	0.00	19.25	1.15	0.00	0.00
16.70	1.08	0.00	0.00	19.30	1.15	0.00	0.00
16.75	1.09	0.00	0.00	19.35	1.15	0.00	0.00
16.80	1.09	0.00	0.00	19.40	1.16	0.00	0.00
16.85	1.09	0.00	0.00	19.45	1.16	0.00	0.00
16.90	1.09	0.00	0.00	19.50	1.16	0.00	0.00
16.95	1.09	0.00	0.00	19.55	1.16	0.00	0.00
17.00	1.09	0.00	0.00	19.60	1.16	0.00	0.00
17.05	1.09	0.00	0.00	19.65	1.16	0.00	0.00
17.10	1.10	0.00	0.00	19.70	1.16	0.00	0.00
17.15	1.10	0.00	0.00	19.75	1.16	0.00	0.00
17.20	1.10	0.00	0.00	19.80	1.16	0.00	0.00
17.25	1.10	0.00	0.00	19.85	1.17	0.00	0.00
17.30	1.10	0.00	0.00	19.90	1.17	0.00	0.00
17.35	1.10	0.00	0.00	19.95	1.17	0.00	0.00
17.40	1.10	0.00	0.00	20.00	1.17	0.00	0.00
17.45	1.11	0.00	0.00	20.05	1.17	0.00	0.00
17.50	1.11	0.00	0.00	20.10	1.17	0.00	0.00
17.55	1.11	0.00	0.00	20.15	1.17	0.00	0.00
17.60	1.11	0.00	0.00	20.20	1.17	0.00	0.00
17.65	1.11	0.00	0.00	20.25	1.18	0.00	0.00
17.70	1.11	0.00	0.00	20.30	1.18	0.00	0.00
17.75	1.11	0.00	0.00	20.35	1.18	0.00	0.00
17.80	1.12	0.00	0.00	20.40	1.18	0.00	0.00
17.85	1.12	0.00	0.00	20.45	1.18	0.00	0.00
17.90	1.12	0.00	0.00	20.50	1.18	0.00	0.00
17.95	1.12	0.00	0.00	20.55	1.18	0.00	0.00

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.00	0.00	23.20	1.24	0.00	0.00
20.65	1.18	0.00	0.00	23.25	1.24	0.00	0.00
20.70	1.19	0.00	0.00	23.30	1.24	0.00	0.00
20.75	1.19	0.00	0.00	23.35	1.24	0.00	0.00
20.80	1.19	0.00	0.00	23.40	1.24	0.00	0.00
20.85	1.19	0.00	0.00	23.45	1.24	0.00	0.00
20.90	1.19	0.00	0.00	23.50	1.24	0.00	0.00
20.95	1.19	0.00	0.00	23.55	1.24	0.00	0.00
21.00	1.19	0.00	0.00	23.60	1.24	0.00	0.00
21.05	1.19	0.00	0.00	23.65	1.24	0.00	0.00
21.10	1.19	0.00	0.00	23.70	1.24	0.00	0.00
21.15	1.19	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.20	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.20	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.20	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.20	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.20	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.20	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.20	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.20	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.20	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.21	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.21	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.21	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.21	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.21	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.21	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.21	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.21	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.21	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.21	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.22	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.22	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.22	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.22	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.22	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.22	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.22	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.22	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.22	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.22	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.23	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.23	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.23	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.23	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.23	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.23	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.23	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.23	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.23	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.23	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.23	0.00	0.00	25.75	1.25	0.00	0.00

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NRCC 24-hr D WQ storm Rainfall=1.25"

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Hydrograph for Subcatchment Basin 3 Pervious: Basin 3 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	0.00	0.00	28.40	1.25	0.00	0.00
25.85	1.25	0.00	0.00	28.45	1.25	0.00	0.00
25.90	1.25	0.00	0.00	28.50	1.25	0.00	0.00
25.95	1.25	0.00	0.00	28.55	1.25	0.00	0.00
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00				
27.50	1.25	0.00	0.00				
27.55	1.25	0.00	0.00				
27.60	1.25	0.00	0.00				
27.65	1.25	0.00	0.00				
27.70	1.25	0.00	0.00				
27.75	1.25	0.00	0.00				
27.80	1.25	0.00	0.00				
27.85	1.25	0.00	0.00				
27.90	1.25	0.00	0.00				
27.95	1.25	0.00	0.00				
28.00	1.25	0.00	0.00				
28.05	1.25	0.00	0.00				
28.10	1.25	0.00	0.00				
28.15	1.25	0.00	0.00				
28.20	1.25	0.00	0.00				
28.25	1.25	0.00	0.00				
28.30	1.25	0.00	0.00				
28.35	1.25	0.00	0.00				

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NRCC 24-hr D WQ storm Rainfall=1.25"

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Summary for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D WQ storm Rainfall=1.25"

Area (ac)	CN	Description
* 3.000	39	Lawn. A Soils
* 0.100	30	Woods A soils
3.100	39	Weighted Average
3.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	640	0.0100	1.61		Shallow Concentrated Flow, shallow concentrated Unpaved Kv= 16.1 fps
10.7	800	0.0060	1.25		Shallow Concentrated Flow, shallow concentrated Unpaved Kv= 16.1 fps
17.3	1,440	Total			

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 &5 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.00	0.00	7.60	0.18	0.00	0.00
5.05	0.11	0.00	0.00	7.65	0.18	0.00	0.00
5.10	0.11	0.00	0.00	7.70	0.18	0.00	0.00
5.15	0.11	0.00	0.00	7.75	0.18	0.00	0.00
5.20	0.11	0.00	0.00	7.80	0.18	0.00	0.00
5.25	0.11	0.00	0.00	7.85	0.19	0.00	0.00
5.30	0.11	0.00	0.00	7.90	0.19	0.00	0.00
5.35	0.11	0.00	0.00	7.95	0.19	0.00	0.00
5.40	0.11	0.00	0.00	8.00	0.19	0.00	0.00
5.45	0.11	0.00	0.00	8.05	0.19	0.00	0.00
5.50	0.12	0.00	0.00	8.10	0.19	0.00	0.00
5.55	0.12	0.00	0.00	8.15	0.20	0.00	0.00
5.60	0.12	0.00	0.00	8.20	0.20	0.00	0.00
5.65	0.12	0.00	0.00	8.25	0.20	0.00	0.00
5.70	0.12	0.00	0.00	8.30	0.20	0.00	0.00
5.75	0.12	0.00	0.00	8.35	0.20	0.00	0.00
5.80	0.12	0.00	0.00	8.40	0.21	0.00	0.00
5.85	0.12	0.00	0.00	8.45	0.21	0.00	0.00
5.90	0.13	0.00	0.00	8.50	0.21	0.00	0.00
5.95	0.13	0.00	0.00	8.55	0.21	0.00	0.00
6.00	0.13	0.00	0.00	8.60	0.21	0.00	0.00
6.05	0.13	0.00	0.00	8.65	0.22	0.00	0.00
6.10	0.13	0.00	0.00	8.70	0.22	0.00	0.00
6.15	0.13	0.00	0.00	8.75	0.22	0.00	0.00
6.20	0.13	0.00	0.00	8.80	0.22	0.00	0.00
6.25	0.14	0.00	0.00	8.85	0.22	0.00	0.00
6.30	0.14	0.00	0.00	8.90	0.23	0.00	0.00
6.35	0.14	0.00	0.00	8.95	0.23	0.00	0.00
6.40	0.14	0.00	0.00	9.00	0.23	0.00	0.00
6.45	0.14	0.00	0.00	9.05	0.23	0.00	0.00
6.50	0.14	0.00	0.00	9.10	0.23	0.00	0.00
6.55	0.14	0.00	0.00	9.15	0.24	0.00	0.00
6.60	0.15	0.00	0.00	9.20	0.24	0.00	0.00
6.65	0.15	0.00	0.00	9.25	0.24	0.00	0.00
6.70	0.15	0.00	0.00	9.30	0.24	0.00	0.00
6.75	0.15	0.00	0.00	9.35	0.25	0.00	0.00
6.80	0.15	0.00	0.00	9.40	0.25	0.00	0.00
6.85	0.15	0.00	0.00	9.45	0.25	0.00	0.00
6.90	0.15	0.00	0.00	9.50	0.25	0.00	0.00
6.95	0.16	0.00	0.00	9.55	0.26	0.00	0.00
7.00	0.16	0.00	0.00	9.60	0.26	0.00	0.00
7.05	0.16	0.00	0.00	9.65	0.26	0.00	0.00
7.10	0.16	0.00	0.00	9.70	0.26	0.00	0.00
7.15	0.16	0.00	0.00	9.75	0.27	0.00	0.00
7.20	0.16	0.00	0.00	9.80	0.27	0.00	0.00
7.25	0.16	0.00	0.00	9.85	0.27	0.00	0.00
7.30	0.17	0.00	0.00	9.90	0.27	0.00	0.00
7.35	0.17	0.00	0.00	9.95	0.28	0.00	0.00
7.40	0.17	0.00	0.00	10.00	0.28	0.00	0.00
7.45	0.17	0.00	0.00	10.05	0.28	0.00	0.00
7.50	0.17	0.00	0.00	10.10	0.29	0.00	0.00
7.55	0.17	0.00	0.00	10.15	0.29	0.00	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.00	0.00	12.80	0.87	0.00	0.00
10.25	0.30	0.00	0.00	12.85	0.88	0.00	0.00
10.30	0.30	0.00	0.00	12.90	0.88	0.00	0.00
10.35	0.30	0.00	0.00	12.95	0.89	0.00	0.00
10.40	0.31	0.00	0.00	13.00	0.89	0.00	0.00
10.45	0.31	0.00	0.00	13.05	0.90	0.00	0.00
10.50	0.31	0.00	0.00	13.10	0.90	0.00	0.00
10.55	0.32	0.00	0.00	13.15	0.91	0.00	0.00
10.60	0.32	0.00	0.00	13.20	0.91	0.00	0.00
10.65	0.32	0.00	0.00	13.25	0.92	0.00	0.00
10.70	0.33	0.00	0.00	13.30	0.92	0.00	0.00
10.75	0.33	0.00	0.00	13.35	0.93	0.00	0.00
10.80	0.34	0.00	0.00	13.40	0.93	0.00	0.00
10.85	0.34	0.00	0.00	13.45	0.93	0.00	0.00
10.90	0.35	0.00	0.00	13.50	0.94	0.00	0.00
10.95	0.35	0.00	0.00	13.55	0.94	0.00	0.00
11.00	0.36	0.00	0.00	13.60	0.94	0.00	0.00
11.05	0.36	0.00	0.00	13.65	0.95	0.00	0.00
11.10	0.37	0.00	0.00	13.70	0.95	0.00	0.00
11.15	0.37	0.00	0.00	13.75	0.95	0.00	0.00
11.20	0.38	0.00	0.00	13.80	0.96	0.00	0.00
11.25	0.38	0.00	0.00	13.85	0.96	0.00	0.00
11.30	0.39	0.00	0.00	13.90	0.96	0.00	0.00
11.35	0.40	0.00	0.00	13.95	0.97	0.00	0.00
11.40	0.40	0.00	0.00	14.00	0.97	0.00	0.00
11.45	0.41	0.00	0.00	14.05	0.97	0.00	0.00
11.50	0.42	0.00	0.00	14.10	0.98	0.00	0.00
11.55	0.43	0.00	0.00	14.15	0.98	0.00	0.00
11.60	0.44	0.00	0.00	14.20	0.98	0.00	0.00
11.65	0.45	0.00	0.00	14.25	0.98	0.00	0.00
11.70	0.46	0.00	0.00	14.30	0.99	0.00	0.00
11.75	0.47	0.00	0.00	14.35	0.99	0.00	0.00
11.80	0.49	0.00	0.00	14.40	0.99	0.00	0.00
11.85	0.51	0.00	0.00	14.45	0.99	0.00	0.00
11.90	0.53	0.00	0.00	14.50	1.00	0.00	0.00
11.95	0.56	0.00	0.00	14.55	1.00	0.00	0.00
12.00	0.60	0.00	0.00	14.60	1.00	0.00	0.00
12.05	0.66	0.00	0.00	14.65	1.00	0.00	0.00
12.10	0.72	0.00	0.00	14.70	1.01	0.00	0.00
12.15	0.74	0.00	0.00	14.75	1.01	0.00	0.00
12.20	0.76	0.00	0.00	14.80	1.01	0.00	0.00
12.25	0.78	0.00	0.00	14.85	1.01	0.00	0.00
12.30	0.79	0.00	0.00	14.90	1.02	0.00	0.00
12.35	0.80	0.00	0.00	14.95	1.02	0.00	0.00
12.40	0.81	0.00	0.00	15.00	1.02	0.00	0.00
12.45	0.82	0.00	0.00	15.05	1.02	0.00	0.00
12.50	0.83	0.00	0.00	15.10	1.02	0.00	0.00
12.55	0.84	0.00	0.00	15.15	1.03	0.00	0.00
12.60	0.85	0.00	0.00	15.20	1.03	0.00	0.00
12.65	0.85	0.00	0.00	15.25	1.03	0.00	0.00
12.70	0.86	0.00	0.00	15.30	1.03	0.00	0.00
12.75	0.87	0.00	0.00	15.35	1.03	0.00	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.00	0.00	18.00	1.12	0.00	0.00
15.45	1.04	0.00	0.00	18.05	1.12	0.00	0.00
15.50	1.04	0.00	0.00	18.10	1.12	0.00	0.00
15.55	1.04	0.00	0.00	18.15	1.13	0.00	0.00
15.60	1.04	0.00	0.00	18.20	1.13	0.00	0.00
15.65	1.05	0.00	0.00	18.25	1.13	0.00	0.00
15.70	1.05	0.00	0.00	18.30	1.13	0.00	0.00
15.75	1.05	0.00	0.00	18.35	1.13	0.00	0.00
15.80	1.05	0.00	0.00	18.40	1.13	0.00	0.00
15.85	1.05	0.00	0.00	18.45	1.13	0.00	0.00
15.90	1.06	0.00	0.00	18.50	1.13	0.00	0.00
15.95	1.06	0.00	0.00	18.55	1.14	0.00	0.00
16.00	1.06	0.00	0.00	18.60	1.14	0.00	0.00
16.05	1.06	0.00	0.00	18.65	1.14	0.00	0.00
16.10	1.06	0.00	0.00	18.70	1.14	0.00	0.00
16.15	1.06	0.00	0.00	18.75	1.14	0.00	0.00
16.20	1.07	0.00	0.00	18.80	1.14	0.00	0.00
16.25	1.07	0.00	0.00	18.85	1.14	0.00	0.00
16.30	1.07	0.00	0.00	18.90	1.14	0.00	0.00
16.35	1.07	0.00	0.00	18.95	1.14	0.00	0.00
16.40	1.07	0.00	0.00	19.00	1.15	0.00	0.00
16.45	1.08	0.00	0.00	19.05	1.15	0.00	0.00
16.50	1.08	0.00	0.00	19.10	1.15	0.00	0.00
16.55	1.08	0.00	0.00	19.15	1.15	0.00	0.00
16.60	1.08	0.00	0.00	19.20	1.15	0.00	0.00
16.65	1.08	0.00	0.00	19.25	1.15	0.00	0.00
16.70	1.08	0.00	0.00	19.30	1.15	0.00	0.00
16.75	1.09	0.00	0.00	19.35	1.15	0.00	0.00
16.80	1.09	0.00	0.00	19.40	1.16	0.00	0.00
16.85	1.09	0.00	0.00	19.45	1.16	0.00	0.00
16.90	1.09	0.00	0.00	19.50	1.16	0.00	0.00
16.95	1.09	0.00	0.00	19.55	1.16	0.00	0.00
17.00	1.09	0.00	0.00	19.60	1.16	0.00	0.00
17.05	1.09	0.00	0.00	19.65	1.16	0.00	0.00
17.10	1.10	0.00	0.00	19.70	1.16	0.00	0.00
17.15	1.10	0.00	0.00	19.75	1.16	0.00	0.00
17.20	1.10	0.00	0.00	19.80	1.16	0.00	0.00
17.25	1.10	0.00	0.00	19.85	1.17	0.00	0.00
17.30	1.10	0.00	0.00	19.90	1.17	0.00	0.00
17.35	1.10	0.00	0.00	19.95	1.17	0.00	0.00
17.40	1.10	0.00	0.00	20.00	1.17	0.00	0.00
17.45	1.11	0.00	0.00	20.05	1.17	0.00	0.00
17.50	1.11	0.00	0.00	20.10	1.17	0.00	0.00
17.55	1.11	0.00	0.00	20.15	1.17	0.00	0.00
17.60	1.11	0.00	0.00	20.20	1.17	0.00	0.00
17.65	1.11	0.00	0.00	20.25	1.18	0.00	0.00
17.70	1.11	0.00	0.00	20.30	1.18	0.00	0.00
17.75	1.11	0.00	0.00	20.35	1.18	0.00	0.00
17.80	1.12	0.00	0.00	20.40	1.18	0.00	0.00
17.85	1.12	0.00	0.00	20.45	1.18	0.00	0.00
17.90	1.12	0.00	0.00	20.50	1.18	0.00	0.00
17.95	1.12	0.00	0.00	20.55	1.18	0.00	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.00	0.00	23.20	1.24	0.00	0.00
20.65	1.18	0.00	0.00	23.25	1.24	0.00	0.00
20.70	1.19	0.00	0.00	23.30	1.24	0.00	0.00
20.75	1.19	0.00	0.00	23.35	1.24	0.00	0.00
20.80	1.19	0.00	0.00	23.40	1.24	0.00	0.00
20.85	1.19	0.00	0.00	23.45	1.24	0.00	0.00
20.90	1.19	0.00	0.00	23.50	1.24	0.00	0.00
20.95	1.19	0.00	0.00	23.55	1.24	0.00	0.00
21.00	1.19	0.00	0.00	23.60	1.24	0.00	0.00
21.05	1.19	0.00	0.00	23.65	1.24	0.00	0.00
21.10	1.19	0.00	0.00	23.70	1.24	0.00	0.00
21.15	1.19	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.20	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.20	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.20	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.20	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.20	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.20	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.20	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.20	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.20	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.21	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.21	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.21	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.21	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.21	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.21	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.21	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.21	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.21	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.21	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.22	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.22	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.22	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.22	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.22	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.22	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.22	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.22	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.22	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.22	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.23	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.23	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.23	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.23	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.23	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.23	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.23	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.23	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.23	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.23	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.23	0.00	0.00	25.75	1.25	0.00	0.00

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Hydrograph for Subcatchment Basin 4 & 5 - Pervious: Basin 4 & 5 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	0.00	0.00	28.40	1.25	0.00	0.00
25.85	1.25	0.00	0.00	28.45	1.25	0.00	0.00
25.90	1.25	0.00	0.00	28.50	1.25	0.00	0.00
25.95	1.25	0.00	0.00	28.55	1.25	0.00	0.00
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00				
27.50	1.25	0.00	0.00				
27.55	1.25	0.00	0.00				
27.60	1.25	0.00	0.00				
27.65	1.25	0.00	0.00				
27.70	1.25	0.00	0.00				
27.75	1.25	0.00	0.00				
27.80	1.25	0.00	0.00				
27.85	1.25	0.00	0.00				
27.90	1.25	0.00	0.00				
27.95	1.25	0.00	0.00				
28.00	1.25	0.00	0.00				
28.05	1.25	0.00	0.00				
28.10	1.25	0.00	0.00				
28.15	1.25	0.00	0.00				
28.20	1.25	0.00	0.00				
28.25	1.25	0.00	0.00				
28.30	1.25	0.00	0.00				
28.35	1.25	0.00	0.00				

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Summary for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp

Runoff = 0.75 cfs @ 12.19 hrs, Volume= 0.094 af, Depth> 1.02"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
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Area (ac)	CN	Description
* 0.300	98	Pavement
* 0.200	98	Driveways
* 0.600	98	Roof
1.100	98	Weighted Average
1.100		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.01	0.01	7.60	0.18	0.05	0.02
5.05	0.11	0.02	0.01	7.65	0.18	0.06	0.02
5.10	0.11	0.02	0.01	7.70	0.18	0.06	0.02
5.15	0.11	0.02	0.01	7.75	0.18	0.06	0.02
5.20	0.11	0.02	0.01	7.80	0.18	0.06	0.02
5.25	0.11	0.02	0.01	7.85	0.19	0.06	0.02
5.30	0.11	0.02	0.01	7.90	0.19	0.06	0.02
5.35	0.11	0.02	0.01	7.95	0.19	0.06	0.02
5.40	0.11	0.02	0.01	8.00	0.19	0.06	0.03
5.45	0.11	0.02	0.01	8.05	0.19	0.06	0.03
5.50	0.12	0.02	0.01	8.10	0.19	0.07	0.03
5.55	0.12	0.02	0.01	8.15	0.20	0.07	0.03
5.60	0.12	0.02	0.01	8.20	0.20	0.07	0.03
5.65	0.12	0.02	0.01	8.25	0.20	0.07	0.03
5.70	0.12	0.02	0.01	8.30	0.20	0.07	0.03
5.75	0.12	0.02	0.01	8.35	0.20	0.07	0.03
5.80	0.12	0.02	0.01	8.40	0.21	0.07	0.03
5.85	0.12	0.02	0.01	8.45	0.21	0.07	0.03
5.90	0.13	0.03	0.01	8.50	0.21	0.08	0.03
5.95	0.13	0.03	0.01	8.55	0.21	0.08	0.03
6.00	0.13	0.03	0.01	8.60	0.21	0.08	0.03
6.05	0.13	0.03	0.01	8.65	0.22	0.08	0.03
6.10	0.13	0.03	0.01	8.70	0.22	0.08	0.03
6.15	0.13	0.03	0.01	8.75	0.22	0.08	0.03
6.20	0.13	0.03	0.01	8.80	0.22	0.08	0.03
6.25	0.14	0.03	0.01	8.85	0.22	0.09	0.03
6.30	0.14	0.03	0.01	8.90	0.23	0.09	0.03
6.35	0.14	0.03	0.02	8.95	0.23	0.09	0.03
6.40	0.14	0.03	0.02	9.00	0.23	0.09	0.03
6.45	0.14	0.03	0.02	9.05	0.23	0.09	0.03
6.50	0.14	0.03	0.02	9.10	0.23	0.09	0.03
6.55	0.14	0.03	0.02	9.15	0.24	0.10	0.03
6.60	0.15	0.04	0.02	9.20	0.24	0.10	0.03
6.65	0.15	0.04	0.02	9.25	0.24	0.10	0.03
6.70	0.15	0.04	0.02	9.30	0.24	0.10	0.04
6.75	0.15	0.04	0.02	9.35	0.25	0.10	0.04
6.80	0.15	0.04	0.02	9.40	0.25	0.10	0.04
6.85	0.15	0.04	0.02	9.45	0.25	0.11	0.04
6.90	0.15	0.04	0.02	9.50	0.25	0.11	0.04
6.95	0.16	0.04	0.02	9.55	0.26	0.11	0.04
7.00	0.16	0.04	0.02	9.60	0.26	0.11	0.04
7.05	0.16	0.04	0.02	9.65	0.26	0.11	0.04
7.10	0.16	0.04	0.02	9.70	0.26	0.12	0.04
7.15	0.16	0.04	0.02	9.75	0.27	0.12	0.04
7.20	0.16	0.05	0.02	9.80	0.27	0.12	0.04
7.25	0.16	0.05	0.02	9.85	0.27	0.12	0.04
7.30	0.17	0.05	0.02	9.90	0.27	0.12	0.05
7.35	0.17	0.05	0.02	9.95	0.28	0.13	0.05
7.40	0.17	0.05	0.02	10.00	0.28	0.13	0.05
7.45	0.17	0.05	0.02	10.05	0.28	0.13	0.05
7.50	0.17	0.05	0.02	10.10	0.29	0.13	0.05
7.55	0.17	0.05	0.02	10.15	0.29	0.14	0.05

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.14	0.05	12.80	0.87	0.67	0.19
10.25	0.30	0.14	0.05	12.85	0.88	0.67	0.18
10.30	0.30	0.14	0.05	12.90	0.88	0.68	0.17
10.35	0.30	0.15	0.05	12.95	0.89	0.68	0.16
10.40	0.31	0.15	0.05	13.00	0.89	0.69	0.15
10.45	0.31	0.15	0.06	13.05	0.90	0.69	0.14
10.50	0.31	0.15	0.06	13.10	0.90	0.70	0.13
10.55	0.32	0.16	0.06	13.15	0.91	0.70	0.12
10.60	0.32	0.16	0.06	13.20	0.91	0.71	0.12
10.65	0.32	0.16	0.06	13.25	0.92	0.71	0.11
10.70	0.33	0.17	0.06	13.30	0.92	0.72	0.11
10.75	0.33	0.17	0.07	13.35	0.93	0.72	0.10
10.80	0.34	0.17	0.07	13.40	0.93	0.72	0.10
10.85	0.34	0.18	0.07	13.45	0.93	0.73	0.10
10.90	0.35	0.18	0.07	13.50	0.94	0.73	0.09
10.95	0.35	0.19	0.08	13.55	0.94	0.73	0.09
11.00	0.36	0.19	0.08	13.60	0.94	0.74	0.09
11.05	0.36	0.20	0.08	13.65	0.95	0.74	0.08
11.10	0.37	0.20	0.09	13.70	0.95	0.74	0.08
11.15	0.37	0.20	0.09	13.75	0.95	0.75	0.08
11.20	0.38	0.21	0.09	13.80	0.96	0.75	0.08
11.25	0.38	0.22	0.10	13.85	0.96	0.75	0.07
11.30	0.39	0.22	0.10	13.90	0.96	0.76	0.07
11.35	0.40	0.23	0.11	13.95	0.97	0.76	0.07
11.40	0.40	0.23	0.11	14.00	0.97	0.76	0.07
11.45	0.41	0.24	0.12	14.05	0.97	0.76	0.07
11.50	0.42	0.25	0.12	14.10	0.98	0.77	0.07
11.55	0.43	0.25	0.13	14.15	0.98	0.77	0.07
11.60	0.44	0.26	0.14	14.20	0.98	0.77	0.07
11.65	0.45	0.27	0.15	14.25	0.98	0.78	0.06
11.70	0.46	0.28	0.16	14.30	0.99	0.78	0.06
11.75	0.47	0.29	0.17	14.35	0.99	0.78	0.06
11.80	0.49	0.31	0.19	14.40	0.99	0.78	0.06
11.85	0.51	0.32	0.21	14.45	0.99	0.79	0.06
11.90	0.53	0.34	0.24	14.50	1.00	0.79	0.06
11.95	0.56	0.38	0.29	14.55	1.00	0.79	0.06
12.00	0.60	0.41	0.35	14.60	1.00	0.79	0.06
12.05	0.66	0.47	0.45	14.65	1.00	0.80	0.06
12.10	0.72	0.53	0.58	14.70	1.01	0.80	0.06
12.15	0.74	0.54	0.72	14.75	1.01	0.80	0.05
12.20	0.76	0.56	0.75	14.80	1.01	0.80	0.05
12.25	0.78	0.58	0.69	14.85	1.01	0.80	0.05
12.30	0.79	0.59	0.61	14.90	1.02	0.81	0.05
12.35	0.80	0.60	0.54	14.95	1.02	0.81	0.05
12.40	0.81	0.61	0.48	15.00	1.02	0.81	0.05
12.45	0.82	0.62	0.42	15.05	1.02	0.81	0.05
12.50	0.83	0.63	0.37	15.10	1.02	0.81	0.05
12.55	0.84	0.64	0.33	15.15	1.03	0.82	0.05
12.60	0.85	0.64	0.30	15.20	1.03	0.82	0.05
12.65	0.85	0.65	0.27	15.25	1.03	0.82	0.05
12.70	0.86	0.66	0.24	15.30	1.03	0.82	0.05
12.75	0.87	0.66	0.21	15.35	1.03	0.82	0.04

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.83	0.04	18.00	1.12	0.91	0.03
15.45	1.04	0.83	0.04	18.05	1.12	0.91	0.03
15.50	1.04	0.83	0.04	18.10	1.12	0.91	0.03
15.55	1.04	0.83	0.04	18.15	1.13	0.91	0.03
15.60	1.04	0.83	0.04	18.20	1.13	0.91	0.03
15.65	1.05	0.84	0.04	18.25	1.13	0.91	0.03
15.70	1.05	0.84	0.04	18.30	1.13	0.92	0.03
15.75	1.05	0.84	0.04	18.35	1.13	0.92	0.03
15.80	1.05	0.84	0.04	18.40	1.13	0.92	0.03
15.85	1.05	0.84	0.04	18.45	1.13	0.92	0.03
15.90	1.06	0.85	0.04	18.50	1.13	0.92	0.03
15.95	1.06	0.85	0.04	18.55	1.14	0.92	0.03
16.00	1.06	0.85	0.04	18.60	1.14	0.92	0.03
16.05	1.06	0.85	0.04	18.65	1.14	0.92	0.03
16.10	1.06	0.85	0.04	18.70	1.14	0.93	0.03
16.15	1.06	0.85	0.04	18.75	1.14	0.93	0.03
16.20	1.07	0.86	0.04	18.80	1.14	0.93	0.03
16.25	1.07	0.86	0.04	18.85	1.14	0.93	0.03
16.30	1.07	0.86	0.04	18.90	1.14	0.93	0.03
16.35	1.07	0.86	0.04	18.95	1.14	0.93	0.03
16.40	1.07	0.86	0.04	19.00	1.15	0.93	0.03
16.45	1.08	0.86	0.04	19.05	1.15	0.93	0.03
16.50	1.08	0.87	0.04	19.10	1.15	0.94	0.03
16.55	1.08	0.87	0.04	19.15	1.15	0.94	0.03
16.60	1.08	0.87	0.04	19.20	1.15	0.94	0.03
16.65	1.08	0.87	0.04	19.25	1.15	0.94	0.03
16.70	1.08	0.87	0.04	19.30	1.15	0.94	0.03
16.75	1.09	0.87	0.04	19.35	1.15	0.94	0.03
16.80	1.09	0.88	0.04	19.40	1.16	0.94	0.03
16.85	1.09	0.88	0.04	19.45	1.16	0.94	0.03
16.90	1.09	0.88	0.04	19.50	1.16	0.94	0.03
16.95	1.09	0.88	0.04	19.55	1.16	0.95	0.03
17.00	1.09	0.88	0.03	19.60	1.16	0.95	0.03
17.05	1.09	0.88	0.03	19.65	1.16	0.95	0.03
17.10	1.10	0.88	0.03	19.70	1.16	0.95	0.03
17.15	1.10	0.89	0.03	19.75	1.16	0.95	0.03
17.20	1.10	0.89	0.03	19.80	1.16	0.95	0.03
17.25	1.10	0.89	0.03	19.85	1.17	0.95	0.03
17.30	1.10	0.89	0.03	19.90	1.17	0.95	0.03
17.35	1.10	0.89	0.03	19.95	1.17	0.95	0.03
17.40	1.10	0.89	0.03	20.00	1.17	0.96	0.03
17.45	1.11	0.89	0.03	20.05	1.17	0.96	0.02
17.50	1.11	0.90	0.03	20.10	1.17	0.96	0.02
17.55	1.11	0.90	0.03	20.15	1.17	0.96	0.02
17.60	1.11	0.90	0.03	20.20	1.17	0.96	0.02
17.65	1.11	0.90	0.03	20.25	1.18	0.96	0.02
17.70	1.11	0.90	0.03	20.30	1.18	0.96	0.02
17.75	1.11	0.90	0.03	20.35	1.18	0.96	0.02
17.80	1.12	0.90	0.03	20.40	1.18	0.96	0.02
17.85	1.12	0.90	0.03	20.45	1.18	0.97	0.02
17.90	1.12	0.91	0.03	20.50	1.18	0.97	0.02
17.95	1.12	0.91	0.03	20.55	1.18	0.97	0.02

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.97	0.02	23.20	1.24	1.02	0.02
20.65	1.18	0.97	0.02	23.25	1.24	1.02	0.02
20.70	1.19	0.97	0.02	23.30	1.24	1.02	0.02
20.75	1.19	0.97	0.02	23.35	1.24	1.02	0.02
20.80	1.19	0.97	0.02	23.40	1.24	1.02	0.02
20.85	1.19	0.97	0.02	23.45	1.24	1.02	0.02
20.90	1.19	0.98	0.02	23.50	1.24	1.03	0.02
20.95	1.19	0.98	0.02	23.55	1.24	1.03	0.02
21.00	1.19	0.98	0.02	23.60	1.24	1.03	0.02
21.05	1.19	0.98	0.02	23.65	1.24	1.03	0.02
21.10	1.19	0.98	0.02	23.70	1.24	1.03	0.02
21.15	1.19	0.98	0.02	23.75	1.25	1.03	0.02
21.20	1.20	0.98	0.02	23.80	1.25	1.03	0.02
21.25	1.20	0.98	0.02	23.85	1.25	1.03	0.02
21.30	1.20	0.98	0.02	23.90	1.25	1.03	0.02
21.35	1.20	0.98	0.02	23.95	1.25	1.03	0.02
21.40	1.20	0.99	0.02	24.00	1.25	1.03	0.02
21.45	1.20	0.99	0.02	24.05	1.25	1.03	0.02
21.50	1.20	0.99	0.02	24.10	1.25	1.03	0.02
21.55	1.20	0.99	0.02	24.15	1.25	1.03	0.01
21.60	1.20	0.99	0.02	24.20	1.25	1.03	0.01
21.65	1.21	0.99	0.02	24.25	1.25	1.03	0.01
21.70	1.21	0.99	0.02	24.30	1.25	1.03	0.01
21.75	1.21	0.99	0.02	24.35	1.25	1.03	0.00
21.80	1.21	0.99	0.02	24.40	1.25	1.03	0.00
21.85	1.21	0.99	0.02	24.45	1.25	1.03	0.00
21.90	1.21	1.00	0.02	24.50	1.25	1.03	0.00
21.95	1.21	1.00	0.02	24.55	1.25	1.03	0.00
22.00	1.21	1.00	0.02	24.60	1.25	1.03	0.00
22.05	1.21	1.00	0.02	24.65	1.25	1.03	0.00
22.10	1.21	1.00	0.02	24.70	1.25	1.03	0.00
22.15	1.22	1.00	0.02	24.75	1.25	1.03	0.00
22.20	1.22	1.00	0.02	24.80	1.25	1.03	0.00
22.25	1.22	1.00	0.02	24.85	1.25	1.03	0.00
22.30	1.22	1.00	0.02	24.90	1.25	1.03	0.00
22.35	1.22	1.00	0.02	24.95	1.25	1.03	0.00
22.40	1.22	1.01	0.02	25.00	1.25	1.03	0.00
22.45	1.22	1.01	0.02	25.05	1.25	1.03	0.00
22.50	1.22	1.01	0.02	25.10	1.25	1.03	0.00
22.55	1.22	1.01	0.02	25.15	1.25	1.03	0.00
22.60	1.22	1.01	0.02	25.20	1.25	1.03	0.00
22.65	1.23	1.01	0.02	25.25	1.25	1.03	0.00
22.70	1.23	1.01	0.02	25.30	1.25	1.03	0.00
22.75	1.23	1.01	0.02	25.35	1.25	1.03	0.00
22.80	1.23	1.01	0.02	25.40	1.25	1.03	0.00
22.85	1.23	1.01	0.02	25.45	1.25	1.03	0.00
22.90	1.23	1.01	0.02	25.50	1.25	1.03	0.00
22.95	1.23	1.02	0.02	25.55	1.25	1.03	0.00
23.00	1.23	1.02	0.02	25.60	1.25	1.03	0.00
23.05	1.23	1.02	0.02	25.65	1.25	1.03	0.00
23.10	1.23	1.02	0.02	25.70	1.25	1.03	0.00
23.15	1.23	1.02	0.02	25.75	1.25	1.03	0.00

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Hydrograph for Subcatchment Basin 4 & 5- Impervious: basin 4 & 5, imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	1.03	0.00	28.40	1.25	1.03	0.00
25.85	1.25	1.03	0.00	28.45	1.25	1.03	0.00
25.90	1.25	1.03	0.00	28.50	1.25	1.03	0.00
25.95	1.25	1.03	0.00	28.55	1.25	1.03	0.00
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00				
27.50	1.25	1.03	0.00				
27.55	1.25	1.03	0.00				
27.60	1.25	1.03	0.00				
27.65	1.25	1.03	0.00				
27.70	1.25	1.03	0.00				
27.75	1.25	1.03	0.00				
27.80	1.25	1.03	0.00				
27.85	1.25	1.03	0.00				
27.90	1.25	1.03	0.00				
27.95	1.25	1.03	0.00				
28.00	1.25	1.03	0.00				
28.05	1.25	1.03	0.00				
28.10	1.25	1.03	0.00				
28.15	1.25	1.03	0.00				
28.20	1.25	1.03	0.00				
28.25	1.25	1.03	0.00				
28.30	1.25	1.03	0.00				
28.35	1.25	1.03	0.00				

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NRCC 24-hr D WQ storm Rainfall=1.25"

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Summary for Subcatchment Basin 6 Impervious: Basin 6 Imp

Runoff = 0.27 cfs @ 12.19 hrs, Volume= 0.034 af, Depth> 1.02"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D WQ storm Rainfall=1.25"

Area (ac)	CN	Description
* 0.200	98	Pavement & Sidewalk
* 0.200	98	Roof
0.400	98	Weighted Average
0.400		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, pavement and pipe

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.01	0.00	7.60	0.18	0.05	0.01
5.05	0.11	0.02	0.00	7.65	0.18	0.06	0.01
5.10	0.11	0.02	0.00	7.70	0.18	0.06	0.01
5.15	0.11	0.02	0.00	7.75	0.18	0.06	0.01
5.20	0.11	0.02	0.00	7.80	0.18	0.06	0.01
5.25	0.11	0.02	0.00	7.85	0.19	0.06	0.01
5.30	0.11	0.02	0.00	7.90	0.19	0.06	0.01
5.35	0.11	0.02	0.00	7.95	0.19	0.06	0.01
5.40	0.11	0.02	0.00	8.00	0.19	0.06	0.01
5.45	0.11	0.02	0.00	8.05	0.19	0.06	0.01
5.50	0.12	0.02	0.00	8.10	0.19	0.07	0.01
5.55	0.12	0.02	0.00	8.15	0.20	0.07	0.01
5.60	0.12	0.02	0.00	8.20	0.20	0.07	0.01
5.65	0.12	0.02	0.00	8.25	0.20	0.07	0.01
5.70	0.12	0.02	0.00	8.30	0.20	0.07	0.01
5.75	0.12	0.02	0.00	8.35	0.20	0.07	0.01
5.80	0.12	0.02	0.00	8.40	0.21	0.07	0.01
5.85	0.12	0.02	0.00	8.45	0.21	0.07	0.01
5.90	0.13	0.03	0.00	8.50	0.21	0.08	0.01
5.95	0.13	0.03	0.00	8.55	0.21	0.08	0.01
6.00	0.13	0.03	0.00	8.60	0.21	0.08	0.01
6.05	0.13	0.03	0.01	8.65	0.22	0.08	0.01
6.10	0.13	0.03	0.01	8.70	0.22	0.08	0.01
6.15	0.13	0.03	0.01	8.75	0.22	0.08	0.01
6.20	0.13	0.03	0.01	8.80	0.22	0.08	0.01
6.25	0.14	0.03	0.01	8.85	0.22	0.09	0.01
6.30	0.14	0.03	0.01	8.90	0.23	0.09	0.01
6.35	0.14	0.03	0.01	8.95	0.23	0.09	0.01
6.40	0.14	0.03	0.01	9.00	0.23	0.09	0.01
6.45	0.14	0.03	0.01	9.05	0.23	0.09	0.01
6.50	0.14	0.03	0.01	9.10	0.23	0.09	0.01
6.55	0.14	0.03	0.01	9.15	0.24	0.10	0.01
6.60	0.15	0.04	0.01	9.20	0.24	0.10	0.01
6.65	0.15	0.04	0.01	9.25	0.24	0.10	0.01
6.70	0.15	0.04	0.01	9.30	0.24	0.10	0.01
6.75	0.15	0.04	0.01	9.35	0.25	0.10	0.01
6.80	0.15	0.04	0.01	9.40	0.25	0.10	0.01
6.85	0.15	0.04	0.01	9.45	0.25	0.11	0.01
6.90	0.15	0.04	0.01	9.50	0.25	0.11	0.01
6.95	0.16	0.04	0.01	9.55	0.26	0.11	0.01
7.00	0.16	0.04	0.01	9.60	0.26	0.11	0.01
7.05	0.16	0.04	0.01	9.65	0.26	0.11	0.01
7.10	0.16	0.04	0.01	9.70	0.26	0.12	0.02
7.15	0.16	0.04	0.01	9.75	0.27	0.12	0.02
7.20	0.16	0.05	0.01	9.80	0.27	0.12	0.02
7.25	0.16	0.05	0.01	9.85	0.27	0.12	0.02
7.30	0.17	0.05	0.01	9.90	0.27	0.12	0.02
7.35	0.17	0.05	0.01	9.95	0.28	0.13	0.02
7.40	0.17	0.05	0.01	10.00	0.28	0.13	0.02
7.45	0.17	0.05	0.01	10.05	0.28	0.13	0.02
7.50	0.17	0.05	0.01	10.10	0.29	0.13	0.02
7.55	0.17	0.05	0.01	10.15	0.29	0.14	0.02

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.14	0.02	12.80	0.87	0.67	0.07
10.25	0.30	0.14	0.02	12.85	0.88	0.67	0.07
10.30	0.30	0.14	0.02	12.90	0.88	0.68	0.06
10.35	0.30	0.15	0.02	12.95	0.89	0.68	0.06
10.40	0.31	0.15	0.02	13.00	0.89	0.69	0.05
10.45	0.31	0.15	0.02	13.05	0.90	0.69	0.05
10.50	0.31	0.15	0.02	13.10	0.90	0.70	0.05
10.55	0.32	0.16	0.02	13.15	0.91	0.70	0.05
10.60	0.32	0.16	0.02	13.20	0.91	0.71	0.04
10.65	0.32	0.16	0.02	13.25	0.92	0.71	0.04
10.70	0.33	0.17	0.02	13.30	0.92	0.72	0.04
10.75	0.33	0.17	0.02	13.35	0.93	0.72	0.04
10.80	0.34	0.17	0.02	13.40	0.93	0.72	0.04
10.85	0.34	0.18	0.03	13.45	0.93	0.73	0.04
10.90	0.35	0.18	0.03	13.50	0.94	0.73	0.03
10.95	0.35	0.19	0.03	13.55	0.94	0.73	0.03
11.00	0.36	0.19	0.03	13.60	0.94	0.74	0.03
11.05	0.36	0.20	0.03	13.65	0.95	0.74	0.03
11.10	0.37	0.20	0.03	13.70	0.95	0.74	0.03
11.15	0.37	0.20	0.03	13.75	0.95	0.75	0.03
11.20	0.38	0.21	0.03	13.80	0.96	0.75	0.03
11.25	0.38	0.22	0.04	13.85	0.96	0.75	0.03
11.30	0.39	0.22	0.04	13.90	0.96	0.76	0.03
11.35	0.40	0.23	0.04	13.95	0.97	0.76	0.03
11.40	0.40	0.23	0.04	14.00	0.97	0.76	0.03
11.45	0.41	0.24	0.04	14.05	0.97	0.76	0.02
11.50	0.42	0.25	0.04	14.10	0.98	0.77	0.02
11.55	0.43	0.25	0.05	14.15	0.98	0.77	0.02
11.60	0.44	0.26	0.05	14.20	0.98	0.77	0.02
11.65	0.45	0.27	0.05	14.25	0.98	0.78	0.02
11.70	0.46	0.28	0.06	14.30	0.99	0.78	0.02
11.75	0.47	0.29	0.06	14.35	0.99	0.78	0.02
11.80	0.49	0.31	0.07	14.40	0.99	0.78	0.02
11.85	0.51	0.32	0.08	14.45	0.99	0.79	0.02
11.90	0.53	0.34	0.09	14.50	1.00	0.79	0.02
11.95	0.56	0.38	0.10	14.55	1.00	0.79	0.02
12.00	0.60	0.41	0.13	14.60	1.00	0.79	0.02
12.05	0.66	0.47	0.16	14.65	1.00	0.80	0.02
12.10	0.72	0.53	0.21	14.70	1.01	0.80	0.02
12.15	0.74	0.54	0.26	14.75	1.01	0.80	0.02
12.20	0.76	0.56	0.27	14.80	1.01	0.80	0.02
12.25	0.78	0.58	0.25	14.85	1.01	0.80	0.02
12.30	0.79	0.59	0.22	14.90	1.02	0.81	0.02
12.35	0.80	0.60	0.20	14.95	1.02	0.81	0.02
12.40	0.81	0.61	0.17	15.00	1.02	0.81	0.02
12.45	0.82	0.62	0.15	15.05	1.02	0.81	0.02
12.50	0.83	0.63	0.14	15.10	1.02	0.81	0.02
12.55	0.84	0.64	0.12	15.15	1.03	0.82	0.02
12.60	0.85	0.64	0.11	15.20	1.03	0.82	0.02
12.65	0.85	0.65	0.10	15.25	1.03	0.82	0.02
12.70	0.86	0.66	0.09	15.30	1.03	0.82	0.02
12.75	0.87	0.66	0.08	15.35	1.03	0.82	0.02

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.83	0.02	18.00	1.12	0.91	0.01
15.45	1.04	0.83	0.02	18.05	1.12	0.91	0.01
15.50	1.04	0.83	0.02	18.10	1.12	0.91	0.01
15.55	1.04	0.83	0.02	18.15	1.13	0.91	0.01
15.60	1.04	0.83	0.02	18.20	1.13	0.91	0.01
15.65	1.05	0.84	0.02	18.25	1.13	0.91	0.01
15.70	1.05	0.84	0.02	18.30	1.13	0.92	0.01
15.75	1.05	0.84	0.02	18.35	1.13	0.92	0.01
15.80	1.05	0.84	0.02	18.40	1.13	0.92	0.01
15.85	1.05	0.84	0.02	18.45	1.13	0.92	0.01
15.90	1.06	0.85	0.01	18.50	1.13	0.92	0.01
15.95	1.06	0.85	0.01	18.55	1.14	0.92	0.01
16.00	1.06	0.85	0.01	18.60	1.14	0.92	0.01
16.05	1.06	0.85	0.01	18.65	1.14	0.92	0.01
16.10	1.06	0.85	0.01	18.70	1.14	0.93	0.01
16.15	1.06	0.85	0.01	18.75	1.14	0.93	0.01
16.20	1.07	0.86	0.01	18.80	1.14	0.93	0.01
16.25	1.07	0.86	0.01	18.85	1.14	0.93	0.01
16.30	1.07	0.86	0.01	18.90	1.14	0.93	0.01
16.35	1.07	0.86	0.01	18.95	1.14	0.93	0.01
16.40	1.07	0.86	0.01	19.00	1.15	0.93	0.01
16.45	1.08	0.86	0.01	19.05	1.15	0.93	0.01
16.50	1.08	0.87	0.01	19.10	1.15	0.94	0.01
16.55	1.08	0.87	0.01	19.15	1.15	0.94	0.01
16.60	1.08	0.87	0.01	19.20	1.15	0.94	0.01
16.65	1.08	0.87	0.01	19.25	1.15	0.94	0.01
16.70	1.08	0.87	0.01	19.30	1.15	0.94	0.01
16.75	1.09	0.87	0.01	19.35	1.15	0.94	0.01
16.80	1.09	0.88	0.01	19.40	1.16	0.94	0.01
16.85	1.09	0.88	0.01	19.45	1.16	0.94	0.01
16.90	1.09	0.88	0.01	19.50	1.16	0.94	0.01
16.95	1.09	0.88	0.01	19.55	1.16	0.95	0.01
17.00	1.09	0.88	0.01	19.60	1.16	0.95	0.01
17.05	1.09	0.88	0.01	19.65	1.16	0.95	0.01
17.10	1.10	0.88	0.01	19.70	1.16	0.95	0.01
17.15	1.10	0.89	0.01	19.75	1.16	0.95	0.01
17.20	1.10	0.89	0.01	19.80	1.16	0.95	0.01
17.25	1.10	0.89	0.01	19.85	1.17	0.95	0.01
17.30	1.10	0.89	0.01	19.90	1.17	0.95	0.01
17.35	1.10	0.89	0.01	19.95	1.17	0.95	0.01
17.40	1.10	0.89	0.01	20.00	1.17	0.96	0.01
17.45	1.11	0.89	0.01	20.05	1.17	0.96	0.01
17.50	1.11	0.90	0.01	20.10	1.17	0.96	0.01
17.55	1.11	0.90	0.01	20.15	1.17	0.96	0.01
17.60	1.11	0.90	0.01	20.20	1.17	0.96	0.01
17.65	1.11	0.90	0.01	20.25	1.18	0.96	0.01
17.70	1.11	0.90	0.01	20.30	1.18	0.96	0.01
17.75	1.11	0.90	0.01	20.35	1.18	0.96	0.01
17.80	1.12	0.90	0.01	20.40	1.18	0.96	0.01
17.85	1.12	0.90	0.01	20.45	1.18	0.97	0.01
17.90	1.12	0.91	0.01	20.50	1.18	0.97	0.01
17.95	1.12	0.91	0.01	20.55	1.18	0.97	0.01

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.97	0.01	23.20	1.24	1.02	0.01
20.65	1.18	0.97	0.01	23.25	1.24	1.02	0.01
20.70	1.19	0.97	0.01	23.30	1.24	1.02	0.01
20.75	1.19	0.97	0.01	23.35	1.24	1.02	0.01
20.80	1.19	0.97	0.01	23.40	1.24	1.02	0.01
20.85	1.19	0.97	0.01	23.45	1.24	1.02	0.01
20.90	1.19	0.98	0.01	23.50	1.24	1.03	0.01
20.95	1.19	0.98	0.01	23.55	1.24	1.03	0.01
21.00	1.19	0.98	0.01	23.60	1.24	1.03	0.01
21.05	1.19	0.98	0.01	23.65	1.24	1.03	0.01
21.10	1.19	0.98	0.01	23.70	1.24	1.03	0.01
21.15	1.19	0.98	0.01	23.75	1.25	1.03	0.01
21.20	1.20	0.98	0.01	23.80	1.25	1.03	0.01
21.25	1.20	0.98	0.01	23.85	1.25	1.03	0.01
21.30	1.20	0.98	0.01	23.90	1.25	1.03	0.01
21.35	1.20	0.98	0.01	23.95	1.25	1.03	0.01
21.40	1.20	0.99	0.01	24.00	1.25	1.03	0.01
21.45	1.20	0.99	0.01	24.05	1.25	1.03	0.01
21.50	1.20	0.99	0.01	24.10	1.25	1.03	0.01
21.55	1.20	0.99	0.01	24.15	1.25	1.03	0.00
21.60	1.20	0.99	0.01	24.20	1.25	1.03	0.00
21.65	1.21	0.99	0.01	24.25	1.25	1.03	0.00
21.70	1.21	0.99	0.01	24.30	1.25	1.03	0.00
21.75	1.21	0.99	0.01	24.35	1.25	1.03	0.00
21.80	1.21	0.99	0.01	24.40	1.25	1.03	0.00
21.85	1.21	0.99	0.01	24.45	1.25	1.03	0.00
21.90	1.21	1.00	0.01	24.50	1.25	1.03	0.00
21.95	1.21	1.00	0.01	24.55	1.25	1.03	0.00
22.00	1.21	1.00	0.01	24.60	1.25	1.03	0.00
22.05	1.21	1.00	0.01	24.65	1.25	1.03	0.00
22.10	1.21	1.00	0.01	24.70	1.25	1.03	0.00
22.15	1.22	1.00	0.01	24.75	1.25	1.03	0.00
22.20	1.22	1.00	0.01	24.80	1.25	1.03	0.00
22.25	1.22	1.00	0.01	24.85	1.25	1.03	0.00
22.30	1.22	1.00	0.01	24.90	1.25	1.03	0.00
22.35	1.22	1.00	0.01	24.95	1.25	1.03	0.00
22.40	1.22	1.01	0.01	25.00	1.25	1.03	0.00
22.45	1.22	1.01	0.01	25.05	1.25	1.03	0.00
22.50	1.22	1.01	0.01	25.10	1.25	1.03	0.00
22.55	1.22	1.01	0.01	25.15	1.25	1.03	0.00
22.60	1.22	1.01	0.01	25.20	1.25	1.03	0.00
22.65	1.23	1.01	0.01	25.25	1.25	1.03	0.00
22.70	1.23	1.01	0.01	25.30	1.25	1.03	0.00
22.75	1.23	1.01	0.01	25.35	1.25	1.03	0.00
22.80	1.23	1.01	0.01	25.40	1.25	1.03	0.00
22.85	1.23	1.01	0.01	25.45	1.25	1.03	0.00
22.90	1.23	1.01	0.01	25.50	1.25	1.03	0.00
22.95	1.23	1.02	0.01	25.55	1.25	1.03	0.00
23.00	1.23	1.02	0.01	25.60	1.25	1.03	0.00
23.05	1.23	1.02	0.01	25.65	1.25	1.03	0.00
23.10	1.23	1.02	0.01	25.70	1.25	1.03	0.00
23.15	1.23	1.02	0.01	25.75	1.25	1.03	0.00

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Hydrograph for Subcatchment Basin 6 Impervious: Basin 6 Imp (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	1.03	0.00	28.40	1.25	1.03	0.00
25.85	1.25	1.03	0.00	28.45	1.25	1.03	0.00
25.90	1.25	1.03	0.00	28.50	1.25	1.03	0.00
25.95	1.25	1.03	0.00	28.55	1.25	1.03	0.00
26.00	1.25	1.03	0.00	28.60	1.25	1.03	0.00
26.05	1.25	1.03	0.00	28.65	1.25	1.03	0.00
26.10	1.25	1.03	0.00	28.70	1.25	1.03	0.00
26.15	1.25	1.03	0.00	28.75	1.25	1.03	0.00
26.20	1.25	1.03	0.00	28.80	1.25	1.03	0.00
26.25	1.25	1.03	0.00	28.85	1.25	1.03	0.00
26.30	1.25	1.03	0.00	28.90	1.25	1.03	0.00
26.35	1.25	1.03	0.00	28.95	1.25	1.03	0.00
26.40	1.25	1.03	0.00	29.00	1.25	1.03	0.00
26.45	1.25	1.03	0.00	29.05	1.25	1.03	0.00
26.50	1.25	1.03	0.00	29.10	1.25	1.03	0.00
26.55	1.25	1.03	0.00	29.15	1.25	1.03	0.00
26.60	1.25	1.03	0.00	29.20	1.25	1.03	0.00
26.65	1.25	1.03	0.00	29.25	1.25	1.03	0.00
26.70	1.25	1.03	0.00	29.30	1.25	1.03	0.00
26.75	1.25	1.03	0.00	29.35	1.25	1.03	0.00
26.80	1.25	1.03	0.00	29.40	1.25	1.03	0.00
26.85	1.25	1.03	0.00	29.45	1.25	1.03	0.00
26.90	1.25	1.03	0.00	29.50	1.25	1.03	0.00
26.95	1.25	1.03	0.00	29.55	1.25	1.03	0.00
27.00	1.25	1.03	0.00	29.60	1.25	1.03	0.00
27.05	1.25	1.03	0.00	29.65	1.25	1.03	0.00
27.10	1.25	1.03	0.00	29.70	1.25	1.03	0.00
27.15	1.25	1.03	0.00	29.75	1.25	1.03	0.00
27.20	1.25	1.03	0.00	29.80	1.25	1.03	0.00
27.25	1.25	1.03	0.00	29.85	1.25	1.03	0.00
27.30	1.25	1.03	0.00	29.90	1.25	1.03	0.00
27.35	1.25	1.03	0.00	29.95	1.25	1.03	0.00
27.40	1.25	1.03	0.00	30.00	1.25	1.03	0.00
27.45	1.25	1.03	0.00				
27.50	1.25	1.03	0.00				
27.55	1.25	1.03	0.00				
27.60	1.25	1.03	0.00				
27.65	1.25	1.03	0.00				
27.70	1.25	1.03	0.00				
27.75	1.25	1.03	0.00				
27.80	1.25	1.03	0.00				
27.85	1.25	1.03	0.00				
27.90	1.25	1.03	0.00				
27.95	1.25	1.03	0.00				
28.00	1.25	1.03	0.00				
28.05	1.25	1.03	0.00				
28.10	1.25	1.03	0.00				
28.15	1.25	1.03	0.00				
28.20	1.25	1.03	0.00				
28.25	1.25	1.03	0.00				
28.30	1.25	1.03	0.00				
28.35	1.25	1.03	0.00				

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Summary for Subcatchment Basin 6 Pervious: Basin 6 - Pervious

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=Delmarva, Weighted-CN, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
NRCC 24-hr D WQ storm Rainfall=1.25"

Area (ac)	CN	Description
* 1.500	39	lawn, A soils
1.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
20.5	100	0.0200	0.08		Sheet Flow, sheet flow Woods: Light underbrush n= 0.400 P2= 3.50"
2.2	300	0.0200	2.28		Shallow Concentrated Flow, shallow conc Unpaved Kv= 16.1 fps
4.6	1,180	0.0030	4.27	13.42	Pipe Channel, pipe flow 24.0" Round Area= 3.1 sf Perim= 6.3' r= 0.50' n= 0.012
27.3	1,580	Total			

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
5.00	0.10	0.00	0.00	7.60	0.18	0.00	0.00
5.05	0.11	0.00	0.00	7.65	0.18	0.00	0.00
5.10	0.11	0.00	0.00	7.70	0.18	0.00	0.00
5.15	0.11	0.00	0.00	7.75	0.18	0.00	0.00
5.20	0.11	0.00	0.00	7.80	0.18	0.00	0.00
5.25	0.11	0.00	0.00	7.85	0.19	0.00	0.00
5.30	0.11	0.00	0.00	7.90	0.19	0.00	0.00
5.35	0.11	0.00	0.00	7.95	0.19	0.00	0.00
5.40	0.11	0.00	0.00	8.00	0.19	0.00	0.00
5.45	0.11	0.00	0.00	8.05	0.19	0.00	0.00
5.50	0.12	0.00	0.00	8.10	0.19	0.00	0.00
5.55	0.12	0.00	0.00	8.15	0.20	0.00	0.00
5.60	0.12	0.00	0.00	8.20	0.20	0.00	0.00
5.65	0.12	0.00	0.00	8.25	0.20	0.00	0.00
5.70	0.12	0.00	0.00	8.30	0.20	0.00	0.00
5.75	0.12	0.00	0.00	8.35	0.20	0.00	0.00
5.80	0.12	0.00	0.00	8.40	0.21	0.00	0.00
5.85	0.12	0.00	0.00	8.45	0.21	0.00	0.00
5.90	0.13	0.00	0.00	8.50	0.21	0.00	0.00
5.95	0.13	0.00	0.00	8.55	0.21	0.00	0.00
6.00	0.13	0.00	0.00	8.60	0.21	0.00	0.00
6.05	0.13	0.00	0.00	8.65	0.22	0.00	0.00
6.10	0.13	0.00	0.00	8.70	0.22	0.00	0.00
6.15	0.13	0.00	0.00	8.75	0.22	0.00	0.00
6.20	0.13	0.00	0.00	8.80	0.22	0.00	0.00
6.25	0.14	0.00	0.00	8.85	0.22	0.00	0.00
6.30	0.14	0.00	0.00	8.90	0.23	0.00	0.00
6.35	0.14	0.00	0.00	8.95	0.23	0.00	0.00
6.40	0.14	0.00	0.00	9.00	0.23	0.00	0.00
6.45	0.14	0.00	0.00	9.05	0.23	0.00	0.00
6.50	0.14	0.00	0.00	9.10	0.23	0.00	0.00
6.55	0.14	0.00	0.00	9.15	0.24	0.00	0.00
6.60	0.15	0.00	0.00	9.20	0.24	0.00	0.00
6.65	0.15	0.00	0.00	9.25	0.24	0.00	0.00
6.70	0.15	0.00	0.00	9.30	0.24	0.00	0.00
6.75	0.15	0.00	0.00	9.35	0.25	0.00	0.00
6.80	0.15	0.00	0.00	9.40	0.25	0.00	0.00
6.85	0.15	0.00	0.00	9.45	0.25	0.00	0.00
6.90	0.15	0.00	0.00	9.50	0.25	0.00	0.00
6.95	0.16	0.00	0.00	9.55	0.26	0.00	0.00
7.00	0.16	0.00	0.00	9.60	0.26	0.00	0.00
7.05	0.16	0.00	0.00	9.65	0.26	0.00	0.00
7.10	0.16	0.00	0.00	9.70	0.26	0.00	0.00
7.15	0.16	0.00	0.00	9.75	0.27	0.00	0.00
7.20	0.16	0.00	0.00	9.80	0.27	0.00	0.00
7.25	0.16	0.00	0.00	9.85	0.27	0.00	0.00
7.30	0.17	0.00	0.00	9.90	0.27	0.00	0.00
7.35	0.17	0.00	0.00	9.95	0.28	0.00	0.00
7.40	0.17	0.00	0.00	10.00	0.28	0.00	0.00
7.45	0.17	0.00	0.00	10.05	0.28	0.00	0.00
7.50	0.17	0.00	0.00	10.10	0.29	0.00	0.00
7.55	0.17	0.00	0.00	10.15	0.29	0.00	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
10.20	0.29	0.00	0.00	12.80	0.87	0.00	0.00
10.25	0.30	0.00	0.00	12.85	0.88	0.00	0.00
10.30	0.30	0.00	0.00	12.90	0.88	0.00	0.00
10.35	0.30	0.00	0.00	12.95	0.89	0.00	0.00
10.40	0.31	0.00	0.00	13.00	0.89	0.00	0.00
10.45	0.31	0.00	0.00	13.05	0.90	0.00	0.00
10.50	0.31	0.00	0.00	13.10	0.90	0.00	0.00
10.55	0.32	0.00	0.00	13.15	0.91	0.00	0.00
10.60	0.32	0.00	0.00	13.20	0.91	0.00	0.00
10.65	0.32	0.00	0.00	13.25	0.92	0.00	0.00
10.70	0.33	0.00	0.00	13.30	0.92	0.00	0.00
10.75	0.33	0.00	0.00	13.35	0.93	0.00	0.00
10.80	0.34	0.00	0.00	13.40	0.93	0.00	0.00
10.85	0.34	0.00	0.00	13.45	0.93	0.00	0.00
10.90	0.35	0.00	0.00	13.50	0.94	0.00	0.00
10.95	0.35	0.00	0.00	13.55	0.94	0.00	0.00
11.00	0.36	0.00	0.00	13.60	0.94	0.00	0.00
11.05	0.36	0.00	0.00	13.65	0.95	0.00	0.00
11.10	0.37	0.00	0.00	13.70	0.95	0.00	0.00
11.15	0.37	0.00	0.00	13.75	0.95	0.00	0.00
11.20	0.38	0.00	0.00	13.80	0.96	0.00	0.00
11.25	0.38	0.00	0.00	13.85	0.96	0.00	0.00
11.30	0.39	0.00	0.00	13.90	0.96	0.00	0.00
11.35	0.40	0.00	0.00	13.95	0.97	0.00	0.00
11.40	0.40	0.00	0.00	14.00	0.97	0.00	0.00
11.45	0.41	0.00	0.00	14.05	0.97	0.00	0.00
11.50	0.42	0.00	0.00	14.10	0.98	0.00	0.00
11.55	0.43	0.00	0.00	14.15	0.98	0.00	0.00
11.60	0.44	0.00	0.00	14.20	0.98	0.00	0.00
11.65	0.45	0.00	0.00	14.25	0.98	0.00	0.00
11.70	0.46	0.00	0.00	14.30	0.99	0.00	0.00
11.75	0.47	0.00	0.00	14.35	0.99	0.00	0.00
11.80	0.49	0.00	0.00	14.40	0.99	0.00	0.00
11.85	0.51	0.00	0.00	14.45	0.99	0.00	0.00
11.90	0.53	0.00	0.00	14.50	1.00	0.00	0.00
11.95	0.56	0.00	0.00	14.55	1.00	0.00	0.00
12.00	0.60	0.00	0.00	14.60	1.00	0.00	0.00
12.05	0.66	0.00	0.00	14.65	1.00	0.00	0.00
12.10	0.72	0.00	0.00	14.70	1.01	0.00	0.00
12.15	0.74	0.00	0.00	14.75	1.01	0.00	0.00
12.20	0.76	0.00	0.00	14.80	1.01	0.00	0.00
12.25	0.78	0.00	0.00	14.85	1.01	0.00	0.00
12.30	0.79	0.00	0.00	14.90	1.02	0.00	0.00
12.35	0.80	0.00	0.00	14.95	1.02	0.00	0.00
12.40	0.81	0.00	0.00	15.00	1.02	0.00	0.00
12.45	0.82	0.00	0.00	15.05	1.02	0.00	0.00
12.50	0.83	0.00	0.00	15.10	1.02	0.00	0.00
12.55	0.84	0.00	0.00	15.15	1.03	0.00	0.00
12.60	0.85	0.00	0.00	15.20	1.03	0.00	0.00
12.65	0.85	0.00	0.00	15.25	1.03	0.00	0.00
12.70	0.86	0.00	0.00	15.30	1.03	0.00	0.00
12.75	0.87	0.00	0.00	15.35	1.03	0.00	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
15.40	1.04	0.00	0.00	18.00	1.12	0.00	0.00
15.45	1.04	0.00	0.00	18.05	1.12	0.00	0.00
15.50	1.04	0.00	0.00	18.10	1.12	0.00	0.00
15.55	1.04	0.00	0.00	18.15	1.13	0.00	0.00
15.60	1.04	0.00	0.00	18.20	1.13	0.00	0.00
15.65	1.05	0.00	0.00	18.25	1.13	0.00	0.00
15.70	1.05	0.00	0.00	18.30	1.13	0.00	0.00
15.75	1.05	0.00	0.00	18.35	1.13	0.00	0.00
15.80	1.05	0.00	0.00	18.40	1.13	0.00	0.00
15.85	1.05	0.00	0.00	18.45	1.13	0.00	0.00
15.90	1.06	0.00	0.00	18.50	1.13	0.00	0.00
15.95	1.06	0.00	0.00	18.55	1.14	0.00	0.00
16.00	1.06	0.00	0.00	18.60	1.14	0.00	0.00
16.05	1.06	0.00	0.00	18.65	1.14	0.00	0.00
16.10	1.06	0.00	0.00	18.70	1.14	0.00	0.00
16.15	1.06	0.00	0.00	18.75	1.14	0.00	0.00
16.20	1.07	0.00	0.00	18.80	1.14	0.00	0.00
16.25	1.07	0.00	0.00	18.85	1.14	0.00	0.00
16.30	1.07	0.00	0.00	18.90	1.14	0.00	0.00
16.35	1.07	0.00	0.00	18.95	1.14	0.00	0.00
16.40	1.07	0.00	0.00	19.00	1.15	0.00	0.00
16.45	1.08	0.00	0.00	19.05	1.15	0.00	0.00
16.50	1.08	0.00	0.00	19.10	1.15	0.00	0.00
16.55	1.08	0.00	0.00	19.15	1.15	0.00	0.00
16.60	1.08	0.00	0.00	19.20	1.15	0.00	0.00
16.65	1.08	0.00	0.00	19.25	1.15	0.00	0.00
16.70	1.08	0.00	0.00	19.30	1.15	0.00	0.00
16.75	1.09	0.00	0.00	19.35	1.15	0.00	0.00
16.80	1.09	0.00	0.00	19.40	1.16	0.00	0.00
16.85	1.09	0.00	0.00	19.45	1.16	0.00	0.00
16.90	1.09	0.00	0.00	19.50	1.16	0.00	0.00
16.95	1.09	0.00	0.00	19.55	1.16	0.00	0.00
17.00	1.09	0.00	0.00	19.60	1.16	0.00	0.00
17.05	1.09	0.00	0.00	19.65	1.16	0.00	0.00
17.10	1.10	0.00	0.00	19.70	1.16	0.00	0.00
17.15	1.10	0.00	0.00	19.75	1.16	0.00	0.00
17.20	1.10	0.00	0.00	19.80	1.16	0.00	0.00
17.25	1.10	0.00	0.00	19.85	1.17	0.00	0.00
17.30	1.10	0.00	0.00	19.90	1.17	0.00	0.00
17.35	1.10	0.00	0.00	19.95	1.17	0.00	0.00
17.40	1.10	0.00	0.00	20.00	1.17	0.00	0.00
17.45	1.11	0.00	0.00	20.05	1.17	0.00	0.00
17.50	1.11	0.00	0.00	20.10	1.17	0.00	0.00
17.55	1.11	0.00	0.00	20.15	1.17	0.00	0.00
17.60	1.11	0.00	0.00	20.20	1.17	0.00	0.00
17.65	1.11	0.00	0.00	20.25	1.18	0.00	0.00
17.70	1.11	0.00	0.00	20.30	1.18	0.00	0.00
17.75	1.11	0.00	0.00	20.35	1.18	0.00	0.00
17.80	1.12	0.00	0.00	20.40	1.18	0.00	0.00
17.85	1.12	0.00	0.00	20.45	1.18	0.00	0.00
17.90	1.12	0.00	0.00	20.50	1.18	0.00	0.00
17.95	1.12	0.00	0.00	20.55	1.18	0.00	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
20.60	1.18	0.00	0.00	23.20	1.24	0.00	0.00
20.65	1.18	0.00	0.00	23.25	1.24	0.00	0.00
20.70	1.19	0.00	0.00	23.30	1.24	0.00	0.00
20.75	1.19	0.00	0.00	23.35	1.24	0.00	0.00
20.80	1.19	0.00	0.00	23.40	1.24	0.00	0.00
20.85	1.19	0.00	0.00	23.45	1.24	0.00	0.00
20.90	1.19	0.00	0.00	23.50	1.24	0.00	0.00
20.95	1.19	0.00	0.00	23.55	1.24	0.00	0.00
21.00	1.19	0.00	0.00	23.60	1.24	0.00	0.00
21.05	1.19	0.00	0.00	23.65	1.24	0.00	0.00
21.10	1.19	0.00	0.00	23.70	1.24	0.00	0.00
21.15	1.19	0.00	0.00	23.75	1.25	0.00	0.00
21.20	1.20	0.00	0.00	23.80	1.25	0.00	0.00
21.25	1.20	0.00	0.00	23.85	1.25	0.00	0.00
21.30	1.20	0.00	0.00	23.90	1.25	0.00	0.00
21.35	1.20	0.00	0.00	23.95	1.25	0.00	0.00
21.40	1.20	0.00	0.00	24.00	1.25	0.00	0.00
21.45	1.20	0.00	0.00	24.05	1.25	0.00	0.00
21.50	1.20	0.00	0.00	24.10	1.25	0.00	0.00
21.55	1.20	0.00	0.00	24.15	1.25	0.00	0.00
21.60	1.20	0.00	0.00	24.20	1.25	0.00	0.00
21.65	1.21	0.00	0.00	24.25	1.25	0.00	0.00
21.70	1.21	0.00	0.00	24.30	1.25	0.00	0.00
21.75	1.21	0.00	0.00	24.35	1.25	0.00	0.00
21.80	1.21	0.00	0.00	24.40	1.25	0.00	0.00
21.85	1.21	0.00	0.00	24.45	1.25	0.00	0.00
21.90	1.21	0.00	0.00	24.50	1.25	0.00	0.00
21.95	1.21	0.00	0.00	24.55	1.25	0.00	0.00
22.00	1.21	0.00	0.00	24.60	1.25	0.00	0.00
22.05	1.21	0.00	0.00	24.65	1.25	0.00	0.00
22.10	1.21	0.00	0.00	24.70	1.25	0.00	0.00
22.15	1.22	0.00	0.00	24.75	1.25	0.00	0.00
22.20	1.22	0.00	0.00	24.80	1.25	0.00	0.00
22.25	1.22	0.00	0.00	24.85	1.25	0.00	0.00
22.30	1.22	0.00	0.00	24.90	1.25	0.00	0.00
22.35	1.22	0.00	0.00	24.95	1.25	0.00	0.00
22.40	1.22	0.00	0.00	25.00	1.25	0.00	0.00
22.45	1.22	0.00	0.00	25.05	1.25	0.00	0.00
22.50	1.22	0.00	0.00	25.10	1.25	0.00	0.00
22.55	1.22	0.00	0.00	25.15	1.25	0.00	0.00
22.60	1.22	0.00	0.00	25.20	1.25	0.00	0.00
22.65	1.23	0.00	0.00	25.25	1.25	0.00	0.00
22.70	1.23	0.00	0.00	25.30	1.25	0.00	0.00
22.75	1.23	0.00	0.00	25.35	1.25	0.00	0.00
22.80	1.23	0.00	0.00	25.40	1.25	0.00	0.00
22.85	1.23	0.00	0.00	25.45	1.25	0.00	0.00
22.90	1.23	0.00	0.00	25.50	1.25	0.00	0.00
22.95	1.23	0.00	0.00	25.55	1.25	0.00	0.00
23.00	1.23	0.00	0.00	25.60	1.25	0.00	0.00
23.05	1.23	0.00	0.00	25.65	1.25	0.00	0.00
23.10	1.23	0.00	0.00	25.70	1.25	0.00	0.00
23.15	1.23	0.00	0.00	25.75	1.25	0.00	0.00

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Hydrograph for Subcatchment Basin 6 Pervious: Basin 6 - Pervious (continued)

Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)	Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
25.80	1.25	0.00	0.00	28.40	1.25	0.00	0.00
25.85	1.25	0.00	0.00	28.45	1.25	0.00	0.00
25.90	1.25	0.00	0.00	28.50	1.25	0.00	0.00
25.95	1.25	0.00	0.00	28.55	1.25	0.00	0.00
26.00	1.25	0.00	0.00	28.60	1.25	0.00	0.00
26.05	1.25	0.00	0.00	28.65	1.25	0.00	0.00
26.10	1.25	0.00	0.00	28.70	1.25	0.00	0.00
26.15	1.25	0.00	0.00	28.75	1.25	0.00	0.00
26.20	1.25	0.00	0.00	28.80	1.25	0.00	0.00
26.25	1.25	0.00	0.00	28.85	1.25	0.00	0.00
26.30	1.25	0.00	0.00	28.90	1.25	0.00	0.00
26.35	1.25	0.00	0.00	28.95	1.25	0.00	0.00
26.40	1.25	0.00	0.00	29.00	1.25	0.00	0.00
26.45	1.25	0.00	0.00	29.05	1.25	0.00	0.00
26.50	1.25	0.00	0.00	29.10	1.25	0.00	0.00
26.55	1.25	0.00	0.00	29.15	1.25	0.00	0.00
26.60	1.25	0.00	0.00	29.20	1.25	0.00	0.00
26.65	1.25	0.00	0.00	29.25	1.25	0.00	0.00
26.70	1.25	0.00	0.00	29.30	1.25	0.00	0.00
26.75	1.25	0.00	0.00	29.35	1.25	0.00	0.00
26.80	1.25	0.00	0.00	29.40	1.25	0.00	0.00
26.85	1.25	0.00	0.00	29.45	1.25	0.00	0.00
26.90	1.25	0.00	0.00	29.50	1.25	0.00	0.00
26.95	1.25	0.00	0.00	29.55	1.25	0.00	0.00
27.00	1.25	0.00	0.00	29.60	1.25	0.00	0.00
27.05	1.25	0.00	0.00	29.65	1.25	0.00	0.00
27.10	1.25	0.00	0.00	29.70	1.25	0.00	0.00
27.15	1.25	0.00	0.00	29.75	1.25	0.00	0.00
27.20	1.25	0.00	0.00	29.80	1.25	0.00	0.00
27.25	1.25	0.00	0.00	29.85	1.25	0.00	0.00
27.30	1.25	0.00	0.00	29.90	1.25	0.00	0.00
27.35	1.25	0.00	0.00	29.95	1.25	0.00	0.00
27.40	1.25	0.00	0.00	30.00	1.25	0.00	0.00
27.45	1.25	0.00	0.00				
27.50	1.25	0.00	0.00				
27.55	1.25	0.00	0.00				
27.60	1.25	0.00	0.00				
27.65	1.25	0.00	0.00				
27.70	1.25	0.00	0.00				
27.75	1.25	0.00	0.00				
27.80	1.25	0.00	0.00				
27.85	1.25	0.00	0.00				
27.90	1.25	0.00	0.00				
27.95	1.25	0.00	0.00				
28.00	1.25	0.00	0.00				
28.05	1.25	0.00	0.00				
28.10	1.25	0.00	0.00				
28.15	1.25	0.00	0.00				
28.20	1.25	0.00	0.00				
28.25	1.25	0.00	0.00				
28.30	1.25	0.00	0.00				
28.35	1.25	0.00	0.00				

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Summary for Reach Site: Site

Inflow Area = 17.000 ac, 29.12% Impervious, Inflow Depth = 0.00" for WQ storm event
Inflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
Outflow = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs

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Hydrograph for Reach Site: Site

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
5.00	0.00		0.00	7.60	0.00		0.00
5.05	0.00		0.00	7.65	0.00		0.00
5.10	0.00		0.00	7.70	0.00		0.00
5.15	0.00		0.00	7.75	0.00		0.00
5.20	0.00		0.00	7.80	0.00		0.00
5.25	0.00		0.00	7.85	0.00		0.00
5.30	0.00		0.00	7.90	0.00		0.00
5.35	0.00		0.00	7.95	0.00		0.00
5.40	0.00		0.00	8.00	0.00		0.00
5.45	0.00		0.00	8.05	0.00		0.00
5.50	0.00		0.00	8.10	0.00		0.00
5.55	0.00		0.00	8.15	0.00		0.00
5.60	0.00		0.00	8.20	0.00		0.00
5.65	0.00		0.00	8.25	0.00		0.00
5.70	0.00		0.00	8.30	0.00		0.00
5.75	0.00		0.00	8.35	0.00		0.00
5.80	0.00		0.00	8.40	0.00		0.00
5.85	0.00		0.00	8.45	0.00		0.00
5.90	0.00		0.00	8.50	0.00		0.00
5.95	0.00		0.00	8.55	0.00		0.00
6.00	0.00		0.00	8.60	0.00		0.00
6.05	0.00		0.00	8.65	0.00		0.00
6.10	0.00		0.00	8.70	0.00		0.00
6.15	0.00		0.00	8.75	0.00		0.00
6.20	0.00		0.00	8.80	0.00		0.00
6.25	0.00		0.00	8.85	0.00		0.00
6.30	0.00		0.00	8.90	0.00		0.00
6.35	0.00		0.00	8.95	0.00		0.00
6.40	0.00		0.00	9.00	0.00		0.00
6.45	0.00		0.00	9.05	0.00		0.00
6.50	0.00		0.00	9.10	0.00		0.00
6.55	0.00		0.00	9.15	0.00		0.00
6.60	0.00		0.00	9.20	0.00		0.00
6.65	0.00		0.00	9.25	0.00		0.00
6.70	0.00		0.00	9.30	0.00		0.00
6.75	0.00		0.00	9.35	0.00		0.00
6.80	0.00		0.00	9.40	0.00		0.00
6.85	0.00		0.00	9.45	0.00		0.00
6.90	0.00		0.00	9.50	0.00		0.00
6.95	0.00		0.00	9.55	0.00		0.00
7.00	0.00		0.00	9.60	0.00		0.00
7.05	0.00		0.00	9.65	0.00		0.00
7.10	0.00		0.00	9.70	0.00		0.00
7.15	0.00		0.00	9.75	0.00		0.00
7.20	0.00		0.00	9.80	0.00		0.00
7.25	0.00		0.00	9.85	0.00		0.00
7.30	0.00		0.00	9.90	0.00		0.00
7.35	0.00		0.00	9.95	0.00		0.00
7.40	0.00		0.00	10.00	0.00		0.00
7.45	0.00		0.00	10.05	0.00		0.00
7.50	0.00		0.00	10.10	0.00		0.00
7.55	0.00		0.00	10.15	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
10.20	0.00		0.00	12.80	0.00		0.00
10.25	0.00		0.00	12.85	0.00		0.00
10.30	0.00		0.00	12.90	0.00		0.00
10.35	0.00		0.00	12.95	0.00		0.00
10.40	0.00		0.00	13.00	0.00		0.00
10.45	0.00		0.00	13.05	0.00		0.00
10.50	0.00		0.00	13.10	0.00		0.00
10.55	0.00		0.00	13.15	0.00		0.00
10.60	0.00		0.00	13.20	0.00		0.00
10.65	0.00		0.00	13.25	0.00		0.00
10.70	0.00		0.00	13.30	0.00		0.00
10.75	0.00		0.00	13.35	0.00		0.00
10.80	0.00		0.00	13.40	0.00		0.00
10.85	0.00		0.00	13.45	0.00		0.00
10.90	0.00		0.00	13.50	0.00		0.00
10.95	0.00		0.00	13.55	0.00		0.00
11.00	0.00		0.00	13.60	0.00		0.00
11.05	0.00		0.00	13.65	0.00		0.00
11.10	0.00		0.00	13.70	0.00		0.00
11.15	0.00		0.00	13.75	0.00		0.00
11.20	0.00		0.00	13.80	0.00		0.00
11.25	0.00		0.00	13.85	0.00		0.00
11.30	0.00		0.00	13.90	0.00		0.00
11.35	0.00		0.00	13.95	0.00		0.00
11.40	0.00		0.00	14.00	0.00		0.00
11.45	0.00		0.00	14.05	0.00		0.00
11.50	0.00		0.00	14.10	0.00		0.00
11.55	0.00		0.00	14.15	0.00		0.00
11.60	0.00		0.00	14.20	0.00		0.00
11.65	0.00		0.00	14.25	0.00		0.00
11.70	0.00		0.00	14.30	0.00		0.00
11.75	0.00		0.00	14.35	0.00		0.00
11.80	0.00		0.00	14.40	0.00		0.00
11.85	0.00		0.00	14.45	0.00		0.00
11.90	0.00		0.00	14.50	0.00		0.00
11.95	0.00		0.00	14.55	0.00		0.00
12.00	0.00		0.00	14.60	0.00		0.00
12.05	0.00		0.00	14.65	0.00		0.00
12.10	0.00		0.00	14.70	0.00		0.00
12.15	0.00		0.00	14.75	0.00		0.00
12.20	0.00		0.00	14.80	0.00		0.00
12.25	0.00		0.00	14.85	0.00		0.00
12.30	0.00		0.00	14.90	0.00		0.00
12.35	0.00		0.00	14.95	0.00		0.00
12.40	0.00		0.00	15.00	0.00		0.00
12.45	0.00		0.00	15.05	0.00		0.00
12.50	0.00		0.00	15.10	0.00		0.00
12.55	0.00		0.00	15.15	0.00		0.00
12.60	0.00		0.00	15.20	0.00		0.00
12.65	0.00		0.00	15.25	0.00		0.00
12.70	0.00		0.00	15.30	0.00		0.00
12.75	0.00		0.00	15.35	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
15.40	0.00		0.00	18.00	0.00		0.00
15.45	0.00		0.00	18.05	0.00		0.00
15.50	0.00		0.00	18.10	0.00		0.00
15.55	0.00		0.00	18.15	0.00		0.00
15.60	0.00		0.00	18.20	0.00		0.00
15.65	0.00		0.00	18.25	0.00		0.00
15.70	0.00		0.00	18.30	0.00		0.00
15.75	0.00		0.00	18.35	0.00		0.00
15.80	0.00		0.00	18.40	0.00		0.00
15.85	0.00		0.00	18.45	0.00		0.00
15.90	0.00		0.00	18.50	0.00		0.00
15.95	0.00		0.00	18.55	0.00		0.00
16.00	0.00		0.00	18.60	0.00		0.00
16.05	0.00		0.00	18.65	0.00		0.00
16.10	0.00		0.00	18.70	0.00		0.00
16.15	0.00		0.00	18.75	0.00		0.00
16.20	0.00		0.00	18.80	0.00		0.00
16.25	0.00		0.00	18.85	0.00		0.00
16.30	0.00		0.00	18.90	0.00		0.00
16.35	0.00		0.00	18.95	0.00		0.00
16.40	0.00		0.00	19.00	0.00		0.00
16.45	0.00		0.00	19.05	0.00		0.00
16.50	0.00		0.00	19.10	0.00		0.00
16.55	0.00		0.00	19.15	0.00		0.00
16.60	0.00		0.00	19.20	0.00		0.00
16.65	0.00		0.00	19.25	0.00		0.00
16.70	0.00		0.00	19.30	0.00		0.00
16.75	0.00		0.00	19.35	0.00		0.00
16.80	0.00		0.00	19.40	0.00		0.00
16.85	0.00		0.00	19.45	0.00		0.00
16.90	0.00		0.00	19.50	0.00		0.00
16.95	0.00		0.00	19.55	0.00		0.00
17.00	0.00		0.00	19.60	0.00		0.00
17.05	0.00		0.00	19.65	0.00		0.00
17.10	0.00		0.00	19.70	0.00		0.00
17.15	0.00		0.00	19.75	0.00		0.00
17.20	0.00		0.00	19.80	0.00		0.00
17.25	0.00		0.00	19.85	0.00		0.00
17.30	0.00		0.00	19.90	0.00		0.00
17.35	0.00		0.00	19.95	0.00		0.00
17.40	0.00		0.00	20.00	0.00		0.00
17.45	0.00		0.00	20.05	0.00		0.00
17.50	0.00		0.00	20.10	0.00		0.00
17.55	0.00		0.00	20.15	0.00		0.00
17.60	0.00		0.00	20.20	0.00		0.00
17.65	0.00		0.00	20.25	0.00		0.00
17.70	0.00		0.00	20.30	0.00		0.00
17.75	0.00		0.00	20.35	0.00		0.00
17.80	0.00		0.00	20.40	0.00		0.00
17.85	0.00		0.00	20.45	0.00		0.00
17.90	0.00		0.00	20.50	0.00		0.00
17.95	0.00		0.00	20.55	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
20.60	0.00		0.00	23.20	0.00		0.00
20.65	0.00		0.00	23.25	0.00		0.00
20.70	0.00		0.00	23.30	0.00		0.00
20.75	0.00		0.00	23.35	0.00		0.00
20.80	0.00		0.00	23.40	0.00		0.00
20.85	0.00		0.00	23.45	0.00		0.00
20.90	0.00		0.00	23.50	0.00		0.00
20.95	0.00		0.00	23.55	0.00		0.00
21.00	0.00		0.00	23.60	0.00		0.00
21.05	0.00		0.00	23.65	0.00		0.00
21.10	0.00		0.00	23.70	0.00		0.00
21.15	0.00		0.00	23.75	0.00		0.00
21.20	0.00		0.00	23.80	0.00		0.00
21.25	0.00		0.00	23.85	0.00		0.00
21.30	0.00		0.00	23.90	0.00		0.00
21.35	0.00		0.00	23.95	0.00		0.00
21.40	0.00		0.00	24.00	0.00		0.00
21.45	0.00		0.00	24.05	0.00		0.00
21.50	0.00		0.00	24.10	0.00		0.00
21.55	0.00		0.00	24.15	0.00		0.00
21.60	0.00		0.00	24.20	0.00		0.00
21.65	0.00		0.00	24.25	0.00		0.00
21.70	0.00		0.00	24.30	0.00		0.00
21.75	0.00		0.00	24.35	0.00		0.00
21.80	0.00		0.00	24.40	0.00		0.00
21.85	0.00		0.00	24.45	0.00		0.00
21.90	0.00		0.00	24.50	0.00		0.00
21.95	0.00		0.00	24.55	0.00		0.00
22.00	0.00		0.00	24.60	0.00		0.00
22.05	0.00		0.00	24.65	0.00		0.00
22.10	0.00		0.00	24.70	0.00		0.00
22.15	0.00		0.00	24.75	0.00		0.00
22.20	0.00		0.00	24.80	0.00		0.00
22.25	0.00		0.00	24.85	0.00		0.00
22.30	0.00		0.00	24.90	0.00		0.00
22.35	0.00		0.00	24.95	0.00		0.00
22.40	0.00		0.00	25.00	0.00		0.00
22.45	0.00		0.00	25.05	0.00		0.00
22.50	0.00		0.00	25.10	0.00		0.00
22.55	0.00		0.00	25.15	0.00		0.00
22.60	0.00		0.00	25.20	0.00		0.00
22.65	0.00		0.00	25.25	0.00		0.00
22.70	0.00		0.00	25.30	0.00		0.00
22.75	0.00		0.00	25.35	0.00		0.00
22.80	0.00		0.00	25.40	0.00		0.00
22.85	0.00		0.00	25.45	0.00		0.00
22.90	0.00		0.00	25.50	0.00		0.00
22.95	0.00		0.00	25.55	0.00		0.00
23.00	0.00		0.00	25.60	0.00		0.00
23.05	0.00		0.00	25.65	0.00		0.00
23.10	0.00		0.00	25.70	0.00		0.00
23.15	0.00		0.00	25.75	0.00		0.00

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Hydrograph for Reach Site: Site (continued)

Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)	Time (hours)	Inflow (cfs)	Elevation (feet)	Outflow (cfs)
25.80	0.00		0.00	28.40	0.00		0.00
25.85	0.00		0.00	28.45	0.00		0.00
25.90	0.00		0.00	28.50	0.00		0.00
25.95	0.00		0.00	28.55	0.00		0.00
26.00	0.00		0.00	28.60	0.00		0.00
26.05	0.00		0.00	28.65	0.00		0.00
26.10	0.00		0.00	28.70	0.00		0.00
26.15	0.00		0.00	28.75	0.00		0.00
26.20	0.00		0.00	28.80	0.00		0.00
26.25	0.00		0.00	28.85	0.00		0.00
26.30	0.00		0.00	28.90	0.00		0.00
26.35	0.00		0.00	28.95	0.00		0.00
26.40	0.00		0.00	29.00	0.00		0.00
26.45	0.00		0.00	29.05	0.00		0.00
26.50	0.00		0.00	29.10	0.00		0.00
26.55	0.00		0.00	29.15	0.00		0.00
26.60	0.00		0.00	29.20	0.00		0.00
26.65	0.00		0.00	29.25	0.00		0.00
26.70	0.00		0.00	29.30	0.00		0.00
26.75	0.00		0.00	29.35	0.00		0.00
26.80	0.00		0.00	29.40	0.00		0.00
26.85	0.00		0.00	29.45	0.00		0.00
26.90	0.00		0.00	29.50	0.00		0.00
26.95	0.00		0.00	29.55	0.00		0.00
27.00	0.00		0.00	29.60	0.00		0.00
27.05	0.00		0.00	29.65	0.00		0.00
27.10	0.00		0.00	29.70	0.00		0.00
27.15	0.00		0.00	29.75	0.00		0.00
27.20	0.00		0.00	29.80	0.00		0.00
27.25	0.00		0.00	29.85	0.00		0.00
27.30	0.00		0.00	29.90	0.00		0.00
27.35	0.00		0.00	29.95	0.00		0.00
27.40	0.00		0.00	30.00	0.00		0.00
27.45	0.00		0.00				
27.50	0.00		0.00				
27.55	0.00		0.00				
27.60	0.00		0.00				
27.65	0.00		0.00				
27.70	0.00		0.00				
27.75	0.00		0.00				
27.80	0.00		0.00				
27.85	0.00		0.00				
27.90	0.00		0.00				
27.95	0.00		0.00				
28.00	0.00		0.00				
28.05	0.00		0.00				
28.10	0.00		0.00				
28.15	0.00		0.00				
28.20	0.00		0.00				
28.25	0.00		0.00				
28.30	0.00		0.00				
28.35	0.00		0.00				

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Summary for Pond Basin 1: Basin 1

Inflow Area = 3.200 ac, 34.38% Impervious, Inflow Depth > 0.35" for WQ storm event
 Inflow = 0.75 cfs @ 12.19 hrs, Volume= 0.094 af
 Outflow = 0.16 cfs @ 12.94 hrs, Volume= 0.094 af, Atten= 79%, Lag= 44.9 min
 Discarded = 0.16 cfs @ 12.94 hrs, Volume= 0.094 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 89.36' @ 12.94 hrs Surf.Area= 0.068 ac Storage= 0.027 af

Plug-Flow detention time= 64.7 min calculated for 0.094 af (100% of inflow)
 Center-of-Mass det. time= 64.2 min (871.2 - 807.0)

Volume	Invert	Avail.Storage	Storage Description
#1	89.00'	0.885 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
89.00	0.050	0.000	0.000
90.00	0.100	0.075	0.075
91.00	0.150	0.125	0.200
92.00	0.200	0.175	0.375
93.00	0.250	0.225	0.600
94.00	0.320	0.285	0.885

Device	Routing	Invert	Outlet Devices
#1	Discarded	89.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 87.00'
#2	Primary	90.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	93.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.16 cfs @ 12.94 hrs HW=89.36' (Free Discharge)
 ↳ **1=Exfiltration** (Controls 0.16 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=89.00' (Free Discharge)
 ↳ **2=Orifice/Grate** (Controls 0.00 cfs)
 ↳ **3=Orifice/Grate** (Controls 0.00 cfs)

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Hydrograph for Pond Basin 1: Basin 1

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.01	0.000	89.00	0.00	0.00	0.00
5.05	0.01	0.000	89.00	0.00	0.00	0.00
5.10	0.01	0.000	89.00	0.00	0.00	0.00
5.15	0.01	0.000	89.00	0.00	0.00	0.00
5.20	0.01	0.000	89.00	0.00	0.00	0.00
5.25	0.01	0.000	89.00	0.01	0.01	0.00
5.30	0.01	0.000	89.00	0.01	0.01	0.00
5.35	0.01	0.000	89.00	0.01	0.01	0.00
5.40	0.01	0.000	89.00	0.01	0.01	0.00
5.45	0.01	0.000	89.00	0.01	0.01	0.00
5.50	0.01	0.000	89.00	0.01	0.01	0.00
5.55	0.01	0.000	89.00	0.01	0.01	0.00
5.60	0.01	0.000	89.00	0.01	0.01	0.00
5.65	0.01	0.000	89.00	0.01	0.01	0.00
5.70	0.01	0.000	89.00	0.01	0.01	0.00
5.75	0.01	0.000	89.00	0.01	0.01	0.00
5.80	0.01	0.000	89.00	0.01	0.01	0.00
5.85	0.01	0.000	89.00	0.01	0.01	0.00
5.90	0.01	0.000	89.01	0.01	0.01	0.00
5.95	0.01	0.000	89.01	0.01	0.01	0.00
6.00	0.01	0.000	89.01	0.01	0.01	0.00
6.05	0.01	0.000	89.01	0.01	0.01	0.00
6.10	0.01	0.000	89.01	0.01	0.01	0.00
6.15	0.01	0.000	89.01	0.01	0.01	0.00
6.20	0.01	0.000	89.01	0.01	0.01	0.00
6.25	0.01	0.000	89.01	0.01	0.01	0.00
6.30	0.01	0.000	89.01	0.01	0.01	0.00
6.35	0.02	0.000	89.01	0.01	0.01	0.00
6.40	0.02	0.000	89.01	0.01	0.01	0.00
6.45	0.02	0.000	89.01	0.01	0.01	0.00
6.50	0.02	0.000	89.01	0.01	0.01	0.00
6.55	0.02	0.000	89.01	0.01	0.01	0.00
6.60	0.02	0.000	89.01	0.01	0.01	0.00
6.65	0.02	0.001	89.01	0.01	0.01	0.00
6.70	0.02	0.001	89.01	0.01	0.01	0.00
6.75	0.02	0.001	89.01	0.02	0.02	0.00
6.80	0.02	0.001	89.01	0.02	0.02	0.00
6.85	0.02	0.001	89.01	0.02	0.02	0.00
6.90	0.02	0.001	89.01	0.02	0.02	0.00
6.95	0.02	0.001	89.01	0.02	0.02	0.00
7.00	0.02	0.001	89.01	0.02	0.02	0.00
7.05	0.02	0.001	89.01	0.02	0.02	0.00
7.10	0.02	0.001	89.01	0.02	0.02	0.00
7.15	0.02	0.001	89.01	0.02	0.02	0.00
7.20	0.02	0.001	89.01	0.02	0.02	0.00
7.25	0.02	0.001	89.01	0.02	0.02	0.00
7.30	0.02	0.001	89.01	0.02	0.02	0.00
7.35	0.02	0.001	89.01	0.02	0.02	0.00
7.40	0.02	0.001	89.01	0.02	0.02	0.00
7.45	0.02	0.001	89.01	0.02	0.02	0.00
7.50	0.02	0.001	89.01	0.02	0.02	0.00
7.55	0.02	0.001	89.01	0.02	0.02	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.02	0.001	89.01	0.02	0.02	0.00
7.65	0.02	0.001	89.01	0.02	0.02	0.00
7.70	0.02	0.001	89.01	0.02	0.02	0.00
7.75	0.02	0.001	89.01	0.02	0.02	0.00
7.80	0.02	0.001	89.01	0.02	0.02	0.00
7.85	0.02	0.001	89.01	0.02	0.02	0.00
7.90	0.02	0.001	89.01	0.02	0.02	0.00
7.95	0.02	0.001	89.01	0.02	0.02	0.00
8.00	0.03	0.001	89.01	0.02	0.02	0.00
8.05	0.03	0.001	89.01	0.02	0.02	0.00
8.10	0.03	0.001	89.01	0.02	0.02	0.00
8.15	0.03	0.001	89.01	0.02	0.02	0.00
8.20	0.03	0.001	89.01	0.02	0.02	0.00
8.25	0.03	0.001	89.01	0.02	0.02	0.00
8.30	0.03	0.001	89.01	0.02	0.02	0.00
8.35	0.03	0.001	89.01	0.02	0.02	0.00
8.40	0.03	0.001	89.01	0.03	0.03	0.00
8.45	0.03	0.001	89.01	0.03	0.03	0.00
8.50	0.03	0.001	89.01	0.03	0.03	0.00
8.55	0.03	0.001	89.01	0.03	0.03	0.00
8.60	0.03	0.001	89.01	0.03	0.03	0.00
8.65	0.03	0.001	89.01	0.03	0.03	0.00
8.70	0.03	0.001	89.01	0.03	0.03	0.00
8.75	0.03	0.001	89.01	0.03	0.03	0.00
8.80	0.03	0.001	89.01	0.03	0.03	0.00
8.85	0.03	0.001	89.01	0.03	0.03	0.00
8.90	0.03	0.001	89.01	0.03	0.03	0.00
8.95	0.03	0.001	89.01	0.03	0.03	0.00
9.00	0.03	0.001	89.01	0.03	0.03	0.00
9.05	0.03	0.001	89.01	0.03	0.03	0.00
9.10	0.03	0.001	89.01	0.03	0.03	0.00
9.15	0.03	0.001	89.01	0.03	0.03	0.00
9.20	0.03	0.001	89.01	0.03	0.03	0.00
9.25	0.03	0.001	89.01	0.03	0.03	0.00
9.30	0.04	0.001	89.01	0.03	0.03	0.00
9.35	0.04	0.001	89.01	0.03	0.03	0.00
9.40	0.04	0.001	89.01	0.03	0.03	0.00
9.45	0.04	0.001	89.02	0.03	0.03	0.00
9.50	0.04	0.001	89.02	0.03	0.03	0.00
9.55	0.04	0.001	89.02	0.03	0.03	0.00
9.60	0.04	0.001	89.02	0.03	0.03	0.00
9.65	0.04	0.001	89.02	0.04	0.04	0.00
9.70	0.04	0.001	89.02	0.04	0.04	0.00
9.75	0.04	0.001	89.02	0.04	0.04	0.00
9.80	0.04	0.001	89.02	0.04	0.04	0.00
9.85	0.04	0.001	89.02	0.04	0.04	0.00
9.90	0.05	0.001	89.02	0.04	0.04	0.00
9.95	0.05	0.001	89.02	0.04	0.04	0.00
10.00	0.05	0.001	89.02	0.04	0.04	0.00
10.05	0.05	0.001	89.02	0.04	0.04	0.00
10.10	0.05	0.001	89.02	0.04	0.04	0.00
10.15	0.05	0.001	89.02	0.04	0.04	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.05	0.002	89.02	0.04	0.04	0.00
10.25	0.05	0.002	89.02	0.04	0.04	0.00
10.30	0.05	0.002	89.02	0.05	0.05	0.00
10.35	0.05	0.002	89.02	0.05	0.05	0.00
10.40	0.05	0.002	89.02	0.05	0.05	0.00
10.45	0.06	0.002	89.02	0.05	0.05	0.00
10.50	0.06	0.002	89.02	0.05	0.05	0.00
10.55	0.06	0.002	89.02	0.05	0.05	0.00
10.60	0.06	0.002	89.02	0.05	0.05	0.00
10.65	0.06	0.002	89.02	0.05	0.05	0.00
10.70	0.06	0.002	89.02	0.05	0.05	0.00
10.75	0.07	0.002	89.03	0.05	0.05	0.00
10.80	0.07	0.002	89.03	0.06	0.06	0.00
10.85	0.07	0.002	89.03	0.06	0.06	0.00
10.90	0.07	0.002	89.03	0.06	0.06	0.00
10.95	0.08	0.002	89.03	0.06	0.06	0.00
11.00	0.08	0.002	89.03	0.06	0.06	0.00
11.05	0.08	0.002	89.03	0.06	0.06	0.00
11.10	0.09	0.002	89.03	0.07	0.07	0.00
11.15	0.09	0.002	89.03	0.07	0.07	0.00
11.20	0.09	0.002	89.03	0.07	0.07	0.00
11.25	0.10	0.003	89.03	0.07	0.07	0.00
11.30	0.10	0.003	89.04	0.08	0.08	0.00
11.35	0.11	0.003	89.04	0.08	0.08	0.00
11.40	0.11	0.003	89.04	0.08	0.08	0.00
11.45	0.12	0.003	89.04	0.09	0.09	0.00
11.50	0.12	0.003	89.04	0.09	0.09	0.00
11.55	0.13	0.003	89.04	0.09	0.09	0.00
11.60	0.14	0.003	89.05	0.10	0.10	0.00
11.65	0.15	0.004	89.05	0.10	0.10	0.00
11.70	0.16	0.004	89.05	0.11	0.11	0.00
11.75	0.17	0.004	89.05	0.11	0.11	0.00
11.80	0.19	0.004	89.06	0.11	0.11	0.00
11.85	0.21	0.005	89.06	0.11	0.11	0.00
11.90	0.24	0.005	89.07	0.11	0.11	0.00
11.95	0.29	0.006	89.08	0.11	0.11	0.00
12.00	0.35	0.007	89.09	0.11	0.11	0.00
12.05	0.45	0.008	89.10	0.12	0.12	0.00
12.10	0.58	0.009	89.13	0.12	0.12	0.00
12.15	0.72	0.012	89.16	0.12	0.12	0.00
12.20	0.75	0.014	89.19	0.13	0.13	0.00
12.25	0.69	0.017	89.22	0.14	0.14	0.00
12.30	0.61	0.019	89.25	0.14	0.14	0.00
12.35	0.54	0.020	89.27	0.14	0.14	0.00
12.40	0.48	0.022	89.29	0.15	0.15	0.00
12.45	0.42	0.023	89.31	0.15	0.15	0.00
12.50	0.37	0.024	89.32	0.15	0.15	0.00
12.55	0.33	0.025	89.33	0.15	0.15	0.00
12.60	0.30	0.026	89.34	0.16	0.16	0.00
12.65	0.27	0.026	89.35	0.16	0.16	0.00
12.70	0.24	0.027	89.36	0.16	0.16	0.00
12.75	0.21	0.027	89.36	0.16	0.16	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.19	0.027	89.36	0.16	0.16	0.00
12.85	0.18	0.027	89.36	0.16	0.16	0.00
12.90	0.17	0.027	89.36	0.16	0.16	0.00
12.95	0.16	0.027	89.36	0.16	0.16	0.00
13.00	0.15	0.027	89.36	0.16	0.16	0.00
13.05	0.14	0.027	89.36	0.16	0.16	0.00
13.10	0.13	0.027	89.36	0.16	0.16	0.00
13.15	0.12	0.027	89.36	0.16	0.16	0.00
13.20	0.12	0.027	89.36	0.16	0.16	0.00
13.25	0.11	0.027	89.36	0.16	0.16	0.00
13.30	0.11	0.026	89.35	0.16	0.16	0.00
13.35	0.10	0.026	89.35	0.16	0.16	0.00
13.40	0.10	0.026	89.35	0.16	0.16	0.00
13.45	0.10	0.026	89.34	0.16	0.16	0.00
13.50	0.09	0.026	89.34	0.15	0.15	0.00
13.55	0.09	0.025	89.34	0.15	0.15	0.00
13.60	0.09	0.025	89.33	0.15	0.15	0.00
13.65	0.08	0.025	89.33	0.15	0.15	0.00
13.70	0.08	0.024	89.33	0.15	0.15	0.00
13.75	0.08	0.024	89.32	0.15	0.15	0.00
13.80	0.08	0.024	89.32	0.15	0.15	0.00
13.85	0.07	0.024	89.31	0.15	0.15	0.00
13.90	0.07	0.023	89.31	0.15	0.15	0.00
13.95	0.07	0.023	89.31	0.15	0.15	0.00
14.00	0.07	0.023	89.30	0.15	0.15	0.00
14.05	0.07	0.022	89.30	0.15	0.15	0.00
14.10	0.07	0.022	89.29	0.15	0.15	0.00
14.15	0.07	0.022	89.29	0.15	0.15	0.00
14.20	0.07	0.021	89.28	0.15	0.15	0.00
14.25	0.06	0.021	89.28	0.14	0.14	0.00
14.30	0.06	0.021	89.27	0.14	0.14	0.00
14.35	0.06	0.020	89.27	0.14	0.14	0.00
14.40	0.06	0.020	89.27	0.14	0.14	0.00
14.45	0.06	0.020	89.26	0.14	0.14	0.00
14.50	0.06	0.019	89.26	0.14	0.14	0.00
14.55	0.06	0.019	89.25	0.14	0.14	0.00
14.60	0.06	0.019	89.25	0.14	0.14	0.00
14.65	0.06	0.018	89.24	0.14	0.14	0.00
14.70	0.06	0.018	89.24	0.14	0.14	0.00
14.75	0.05	0.018	89.23	0.14	0.14	0.00
14.80	0.05	0.017	89.23	0.14	0.14	0.00
14.85	0.05	0.017	89.22	0.14	0.14	0.00
14.90	0.05	0.017	89.22	0.14	0.14	0.00
14.95	0.05	0.016	89.22	0.13	0.13	0.00
15.00	0.05	0.016	89.21	0.13	0.13	0.00
15.05	0.05	0.015	89.21	0.13	0.13	0.00
15.10	0.05	0.015	89.20	0.13	0.13	0.00
15.15	0.05	0.015	89.20	0.13	0.13	0.00
15.20	0.05	0.014	89.19	0.13	0.13	0.00
15.25	0.05	0.014	89.19	0.13	0.13	0.00
15.30	0.05	0.014	89.18	0.13	0.13	0.00
15.35	0.04	0.013	89.18	0.13	0.13	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.04	0.013	89.17	0.13	0.13	0.00
15.45	0.04	0.013	89.17	0.13	0.13	0.00
15.50	0.04	0.012	89.17	0.13	0.13	0.00
15.55	0.04	0.012	89.16	0.13	0.13	0.00
15.60	0.04	0.012	89.16	0.12	0.12	0.00
15.65	0.04	0.011	89.15	0.12	0.12	0.00
15.70	0.04	0.011	89.15	0.12	0.12	0.00
15.75	0.04	0.011	89.14	0.12	0.12	0.00
15.80	0.04	0.010	89.14	0.12	0.12	0.00
15.85	0.04	0.010	89.13	0.12	0.12	0.00
15.90	0.04	0.010	89.13	0.12	0.12	0.00
15.95	0.04	0.009	89.12	0.12	0.12	0.00
16.00	0.04	0.009	89.12	0.12	0.12	0.00
16.05	0.04	0.009	89.12	0.12	0.12	0.00
16.10	0.04	0.008	89.11	0.12	0.12	0.00
16.15	0.04	0.008	89.11	0.12	0.12	0.00
16.20	0.04	0.008	89.10	0.12	0.12	0.00
16.25	0.04	0.007	89.10	0.12	0.12	0.00
16.30	0.04	0.007	89.09	0.12	0.12	0.00
16.35	0.04	0.007	89.09	0.11	0.11	0.00
16.40	0.04	0.006	89.09	0.11	0.11	0.00
16.45	0.04	0.006	89.08	0.11	0.11	0.00
16.50	0.04	0.006	89.08	0.11	0.11	0.00
16.55	0.04	0.006	89.07	0.11	0.11	0.00
16.60	0.04	0.005	89.07	0.11	0.11	0.00
16.65	0.04	0.005	89.07	0.11	0.11	0.00
16.70	0.04	0.005	89.06	0.11	0.11	0.00
16.75	0.04	0.004	89.06	0.11	0.11	0.00
16.80	0.04	0.004	89.05	0.11	0.11	0.00
16.85	0.04	0.004	89.05	0.11	0.11	0.00
16.90	0.04	0.003	89.05	0.10	0.10	0.00
16.95	0.04	0.003	89.04	0.09	0.09	0.00
17.00	0.03	0.003	89.04	0.09	0.09	0.00
17.05	0.03	0.003	89.04	0.08	0.08	0.00
17.10	0.03	0.003	89.03	0.08	0.08	0.00
17.15	0.03	0.002	89.03	0.07	0.07	0.00
17.20	0.03	0.002	89.03	0.07	0.07	0.00
17.25	0.03	0.002	89.03	0.06	0.06	0.00
17.30	0.03	0.002	89.03	0.06	0.06	0.00
17.35	0.03	0.002	89.03	0.06	0.06	0.00
17.40	0.03	0.002	89.02	0.05	0.05	0.00
17.45	0.03	0.002	89.02	0.05	0.05	0.00
17.50	0.03	0.002	89.02	0.05	0.05	0.00
17.55	0.03	0.002	89.02	0.05	0.05	0.00
17.60	0.03	0.002	89.02	0.05	0.05	0.00
17.65	0.03	0.002	89.02	0.04	0.04	0.00
17.70	0.03	0.001	89.02	0.04	0.04	0.00
17.75	0.03	0.001	89.02	0.04	0.04	0.00
17.80	0.03	0.001	89.02	0.04	0.04	0.00
17.85	0.03	0.001	89.02	0.04	0.04	0.00
17.90	0.03	0.001	89.02	0.04	0.04	0.00
17.95	0.03	0.001	89.02	0.04	0.04	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.03	0.001	89.02	0.04	0.04	0.00
18.05	0.03	0.001	89.02	0.04	0.04	0.00
18.10	0.03	0.001	89.02	0.03	0.03	0.00
18.15	0.03	0.001	89.02	0.03	0.03	0.00
18.20	0.03	0.001	89.02	0.03	0.03	0.00
18.25	0.03	0.001	89.02	0.03	0.03	0.00
18.30	0.03	0.001	89.01	0.03	0.03	0.00
18.35	0.03	0.001	89.01	0.03	0.03	0.00
18.40	0.03	0.001	89.01	0.03	0.03	0.00
18.45	0.03	0.001	89.01	0.03	0.03	0.00
18.50	0.03	0.001	89.01	0.03	0.03	0.00
18.55	0.03	0.001	89.01	0.03	0.03	0.00
18.60	0.03	0.001	89.01	0.03	0.03	0.00
18.65	0.03	0.001	89.01	0.03	0.03	0.00
18.70	0.03	0.001	89.01	0.03	0.03	0.00
18.75	0.03	0.001	89.01	0.03	0.03	0.00
18.80	0.03	0.001	89.01	0.03	0.03	0.00
18.85	0.03	0.001	89.01	0.03	0.03	0.00
18.90	0.03	0.001	89.01	0.03	0.03	0.00
18.95	0.03	0.001	89.01	0.03	0.03	0.00
19.00	0.03	0.001	89.01	0.03	0.03	0.00
19.05	0.03	0.001	89.01	0.03	0.03	0.00
19.10	0.03	0.001	89.01	0.03	0.03	0.00
19.15	0.03	0.001	89.01	0.03	0.03	0.00
19.20	0.03	0.001	89.01	0.03	0.03	0.00
19.25	0.03	0.001	89.01	0.03	0.03	0.00
19.30	0.03	0.001	89.01	0.03	0.03	0.00
19.35	0.03	0.001	89.01	0.03	0.03	0.00
19.40	0.03	0.001	89.01	0.03	0.03	0.00
19.45	0.03	0.001	89.01	0.03	0.03	0.00
19.50	0.03	0.001	89.01	0.03	0.03	0.00
19.55	0.03	0.001	89.01	0.03	0.03	0.00
19.60	0.03	0.001	89.01	0.03	0.03	0.00
19.65	0.03	0.001	89.01	0.03	0.03	0.00
19.70	0.03	0.001	89.01	0.03	0.03	0.00
19.75	0.03	0.001	89.01	0.03	0.03	0.00
19.80	0.03	0.001	89.01	0.03	0.03	0.00
19.85	0.03	0.001	89.01	0.03	0.03	0.00
19.90	0.03	0.001	89.01	0.03	0.03	0.00
19.95	0.03	0.001	89.01	0.03	0.03	0.00
20.00	0.03	0.001	89.01	0.03	0.03	0.00
20.05	0.02	0.001	89.01	0.03	0.03	0.00
20.10	0.02	0.001	89.01	0.03	0.03	0.00
20.15	0.02	0.001	89.01	0.03	0.03	0.00
20.20	0.02	0.001	89.01	0.03	0.03	0.00
20.25	0.02	0.001	89.01	0.03	0.03	0.00
20.30	0.02	0.001	89.01	0.03	0.03	0.00
20.35	0.02	0.001	89.01	0.03	0.03	0.00
20.40	0.02	0.001	89.01	0.03	0.03	0.00
20.45	0.02	0.001	89.01	0.03	0.03	0.00
20.50	0.02	0.001	89.01	0.02	0.02	0.00
20.55	0.02	0.001	89.01	0.02	0.02	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.02	0.001	89.01	0.02	0.02	0.00
20.65	0.02	0.001	89.01	0.02	0.02	0.00
20.70	0.02	0.001	89.01	0.02	0.02	0.00
20.75	0.02	0.001	89.01	0.02	0.02	0.00
20.80	0.02	0.001	89.01	0.02	0.02	0.00
20.85	0.02	0.001	89.01	0.02	0.02	0.00
20.90	0.02	0.001	89.01	0.02	0.02	0.00
20.95	0.02	0.001	89.01	0.02	0.02	0.00
21.00	0.02	0.001	89.01	0.02	0.02	0.00
21.05	0.02	0.001	89.01	0.02	0.02	0.00
21.10	0.02	0.001	89.01	0.02	0.02	0.00
21.15	0.02	0.001	89.01	0.02	0.02	0.00
21.20	0.02	0.001	89.01	0.02	0.02	0.00
21.25	0.02	0.001	89.01	0.02	0.02	0.00
21.30	0.02	0.001	89.01	0.02	0.02	0.00
21.35	0.02	0.001	89.01	0.02	0.02	0.00
21.40	0.02	0.001	89.01	0.02	0.02	0.00
21.45	0.02	0.001	89.01	0.02	0.02	0.00
21.50	0.02	0.001	89.01	0.02	0.02	0.00
21.55	0.02	0.001	89.01	0.02	0.02	0.00
21.60	0.02	0.001	89.01	0.02	0.02	0.00
21.65	0.02	0.001	89.01	0.02	0.02	0.00
21.70	0.02	0.001	89.01	0.02	0.02	0.00
21.75	0.02	0.001	89.01	0.02	0.02	0.00
21.80	0.02	0.001	89.01	0.02	0.02	0.00
21.85	0.02	0.001	89.01	0.02	0.02	0.00
21.90	0.02	0.001	89.01	0.02	0.02	0.00
21.95	0.02	0.001	89.01	0.02	0.02	0.00
22.00	0.02	0.001	89.01	0.02	0.02	0.00
22.05	0.02	0.001	89.01	0.02	0.02	0.00
22.10	0.02	0.001	89.01	0.02	0.02	0.00
22.15	0.02	0.001	89.01	0.02	0.02	0.00
22.20	0.02	0.001	89.01	0.02	0.02	0.00
22.25	0.02	0.001	89.01	0.02	0.02	0.00
22.30	0.02	0.001	89.01	0.02	0.02	0.00
22.35	0.02	0.001	89.01	0.02	0.02	0.00
22.40	0.02	0.001	89.01	0.02	0.02	0.00
22.45	0.02	0.001	89.01	0.02	0.02	0.00
22.50	0.02	0.001	89.01	0.02	0.02	0.00
22.55	0.02	0.001	89.01	0.02	0.02	0.00
22.60	0.02	0.001	89.01	0.02	0.02	0.00
22.65	0.02	0.001	89.01	0.02	0.02	0.00
22.70	0.02	0.001	89.01	0.02	0.02	0.00
22.75	0.02	0.001	89.01	0.02	0.02	0.00
22.80	0.02	0.001	89.01	0.02	0.02	0.00
22.85	0.02	0.001	89.01	0.02	0.02	0.00
22.90	0.02	0.001	89.01	0.02	0.02	0.00
22.95	0.02	0.001	89.01	0.02	0.02	0.00
23.00	0.02	0.001	89.01	0.02	0.02	0.00
23.05	0.02	0.001	89.01	0.02	0.02	0.00
23.10	0.02	0.001	89.01	0.02	0.02	0.00
23.15	0.02	0.001	89.01	0.02	0.02	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.02	0.001	89.01	0.02	0.02	0.00
23.25	0.02	0.001	89.01	0.02	0.02	0.00
23.30	0.02	0.001	89.01	0.02	0.02	0.00
23.35	0.02	0.001	89.01	0.02	0.02	0.00
23.40	0.02	0.001	89.01	0.02	0.02	0.00
23.45	0.02	0.001	89.01	0.02	0.02	0.00
23.50	0.02	0.001	89.01	0.02	0.02	0.00
23.55	0.02	0.001	89.01	0.02	0.02	0.00
23.60	0.02	0.001	89.01	0.02	0.02	0.00
23.65	0.02	0.001	89.01	0.02	0.02	0.00
23.70	0.02	0.001	89.01	0.02	0.02	0.00
23.75	0.02	0.001	89.01	0.02	0.02	0.00
23.80	0.02	0.001	89.01	0.02	0.02	0.00
23.85	0.02	0.001	89.01	0.02	0.02	0.00
23.90	0.02	0.001	89.01	0.02	0.02	0.00
23.95	0.02	0.001	89.01	0.02	0.02	0.00
24.00	0.02	0.001	89.01	0.02	0.02	0.00
24.05	0.02	0.001	89.01	0.02	0.02	0.00
24.10	0.02	0.001	89.01	0.02	0.02	0.00
24.15	0.01	0.001	89.01	0.02	0.02	0.00
24.20	0.01	0.001	89.01	0.02	0.02	0.00
24.25	0.01	0.001	89.01	0.02	0.02	0.00
24.30	0.01	0.001	89.01	0.02	0.02	0.00
24.35	0.00	0.001	89.01	0.01	0.01	0.00
24.40	0.00	0.000	89.01	0.01	0.01	0.00
24.45	0.00	0.000	89.01	0.01	0.01	0.00
24.50	0.00	0.000	89.01	0.01	0.01	0.00
24.55	0.00	0.000	89.00	0.01	0.01	0.00
24.60	0.00	0.000	89.00	0.01	0.01	0.00
24.65	0.00	0.000	89.00	0.01	0.01	0.00
24.70	0.00	0.000	89.00	0.01	0.01	0.00
24.75	0.00	0.000	89.00	0.01	0.01	0.00
24.80	0.00	0.000	89.00	0.01	0.01	0.00
24.85	0.00	0.000	89.00	0.01	0.01	0.00
24.90	0.00	0.000	89.00	0.00	0.00	0.00
24.95	0.00	0.000	89.00	0.00	0.00	0.00
25.00	0.00	0.000	89.00	0.00	0.00	0.00
25.05	0.00	0.000	89.00	0.00	0.00	0.00
25.10	0.00	0.000	89.00	0.00	0.00	0.00
25.15	0.00	0.000	89.00	0.00	0.00	0.00
25.20	0.00	0.000	89.00	0.00	0.00	0.00
25.25	0.00	0.000	89.00	0.00	0.00	0.00
25.30	0.00	0.000	89.00	0.00	0.00	0.00
25.35	0.00	0.000	89.00	0.00	0.00	0.00
25.40	0.00	0.000	89.00	0.00	0.00	0.00
25.45	0.00	0.000	89.00	0.00	0.00	0.00
25.50	0.00	0.000	89.00	0.00	0.00	0.00
25.55	0.00	0.000	89.00	0.00	0.00	0.00
25.60	0.00	0.000	89.00	0.00	0.00	0.00
25.65	0.00	0.000	89.00	0.00	0.00	0.00
25.70	0.00	0.000	89.00	0.00	0.00	0.00
25.75	0.00	0.000	89.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	89.00	0.00	0.00	0.00
25.85	0.00	0.000	89.00	0.00	0.00	0.00
25.90	0.00	0.000	89.00	0.00	0.00	0.00
25.95	0.00	0.000	89.00	0.00	0.00	0.00
26.00	0.00	0.000	89.00	0.00	0.00	0.00
26.05	0.00	0.000	89.00	0.00	0.00	0.00
26.10	0.00	0.000	89.00	0.00	0.00	0.00
26.15	0.00	0.000	89.00	0.00	0.00	0.00
26.20	0.00	0.000	89.00	0.00	0.00	0.00
26.25	0.00	0.000	89.00	0.00	0.00	0.00
26.30	0.00	0.000	89.00	0.00	0.00	0.00
26.35	0.00	0.000	89.00	0.00	0.00	0.00
26.40	0.00	0.000	89.00	0.00	0.00	0.00
26.45	0.00	0.000	89.00	0.00	0.00	0.00
26.50	0.00	0.000	89.00	0.00	0.00	0.00
26.55	0.00	0.000	89.00	0.00	0.00	0.00
26.60	0.00	0.000	89.00	0.00	0.00	0.00
26.65	0.00	0.000	89.00	0.00	0.00	0.00
26.70	0.00	0.000	89.00	0.00	0.00	0.00
26.75	0.00	0.000	89.00	0.00	0.00	0.00
26.80	0.00	0.000	89.00	0.00	0.00	0.00
26.85	0.00	0.000	89.00	0.00	0.00	0.00
26.90	0.00	0.000	89.00	0.00	0.00	0.00
26.95	0.00	0.000	89.00	0.00	0.00	0.00
27.00	0.00	0.000	89.00	0.00	0.00	0.00
27.05	0.00	0.000	89.00	0.00	0.00	0.00
27.10	0.00	0.000	89.00	0.00	0.00	0.00
27.15	0.00	0.000	89.00	0.00	0.00	0.00
27.20	0.00	0.000	89.00	0.00	0.00	0.00
27.25	0.00	0.000	89.00	0.00	0.00	0.00
27.30	0.00	0.000	89.00	0.00	0.00	0.00
27.35	0.00	0.000	89.00	0.00	0.00	0.00
27.40	0.00	0.000	89.00	0.00	0.00	0.00
27.45	0.00	0.000	89.00	0.00	0.00	0.00
27.50	0.00	0.000	89.00	0.00	0.00	0.00
27.55	0.00	0.000	89.00	0.00	0.00	0.00
27.60	0.00	0.000	89.00	0.00	0.00	0.00
27.65	0.00	0.000	89.00	0.00	0.00	0.00
27.70	0.00	0.000	89.00	0.00	0.00	0.00
27.75	0.00	0.000	89.00	0.00	0.00	0.00
27.80	0.00	0.000	89.00	0.00	0.00	0.00
27.85	0.00	0.000	89.00	0.00	0.00	0.00
27.90	0.00	0.000	89.00	0.00	0.00	0.00
27.95	0.00	0.000	89.00	0.00	0.00	0.00
28.00	0.00	0.000	89.00	0.00	0.00	0.00
28.05	0.00	0.000	89.00	0.00	0.00	0.00
28.10	0.00	0.000	89.00	0.00	0.00	0.00
28.15	0.00	0.000	89.00	0.00	0.00	0.00
28.20	0.00	0.000	89.00	0.00	0.00	0.00
28.25	0.00	0.000	89.00	0.00	0.00	0.00
28.30	0.00	0.000	89.00	0.00	0.00	0.00
28.35	0.00	0.000	89.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 1: Basin 1 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	89.00	0.00	0.00	0.00
28.45	0.00	0.000	89.00	0.00	0.00	0.00
28.50	0.00	0.000	89.00	0.00	0.00	0.00
28.55	0.00	0.000	89.00	0.00	0.00	0.00
28.60	0.00	0.000	89.00	0.00	0.00	0.00
28.65	0.00	0.000	89.00	0.00	0.00	0.00
28.70	0.00	0.000	89.00	0.00	0.00	0.00
28.75	0.00	0.000	89.00	0.00	0.00	0.00
28.80	0.00	0.000	89.00	0.00	0.00	0.00
28.85	0.00	0.000	89.00	0.00	0.00	0.00
28.90	0.00	0.000	89.00	0.00	0.00	0.00
28.95	0.00	0.000	89.00	0.00	0.00	0.00
29.00	0.00	0.000	89.00	0.00	0.00	0.00
29.05	0.00	0.000	89.00	0.00	0.00	0.00
29.10	0.00	0.000	89.00	0.00	0.00	0.00
29.15	0.00	0.000	89.00	0.00	0.00	0.00
29.20	0.00	0.000	89.00	0.00	0.00	0.00
29.25	0.00	0.000	89.00	0.00	0.00	0.00
29.30	0.00	0.000	89.00	0.00	0.00	0.00
29.35	0.00	0.000	89.00	0.00	0.00	0.00
29.40	0.00	0.000	89.00	0.00	0.00	0.00
29.45	0.00	0.000	89.00	0.00	0.00	0.00
29.50	0.00	0.000	89.00	0.00	0.00	0.00
29.55	0.00	0.000	89.00	0.00	0.00	0.00
29.60	0.00	0.000	89.00	0.00	0.00	0.00
29.65	0.00	0.000	89.00	0.00	0.00	0.00
29.70	0.00	0.000	89.00	0.00	0.00	0.00
29.75	0.00	0.000	89.00	0.00	0.00	0.00
29.80	0.00	0.000	89.00	0.00	0.00	0.00
29.85	0.00	0.000	89.00	0.00	0.00	0.00
29.90	0.00	0.000	89.00	0.00	0.00	0.00
29.95	0.00	0.000	89.00	0.00	0.00	0.00
30.00	0.00	0.000	89.00	0.00	0.00	0.00

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Summary for Pond Basin 2: Basin 2

Inflow Area = 3.200 ac, 35.94% Impervious, Inflow Depth > 0.37" for WQ storm event
 Inflow = 0.78 cfs @ 12.19 hrs, Volume= 0.098 af
 Outflow = 0.22 cfs @ 12.75 hrs, Volume= 0.098 af, Atten= 71%, Lag= 33.7 min
 Discarded = 0.22 cfs @ 12.75 hrs, Volume= 0.098 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 87.19' @ 12.75 hrs Surf.Area= 0.102 ac Storage= 0.023 af

Plug-Flow detention time= 38.7 min calculated for 0.098 af (100% of inflow)
 Center-of-Mass det. time= 38.2 min (845.3 - 807.0)

Volume	Invert	Avail.Storage	Storage Description
#1	87.00'	1.330 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
87.00	0.090	0.000	0.000
88.00	0.150	0.120	0.120
89.00	0.230	0.190	0.310
90.00	0.300	0.265	0.575
91.00	0.380	0.340	0.915
92.00	0.450	0.415	1.330

Device	Routing	Invert	Outlet Devices
#1	Discarded	87.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 85.00'
#2	Primary	88.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	91.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.22 cfs @ 12.75 hrs HW=87.19' (Free Discharge)
 ↳ **1=Exfiltration** (Controls 0.22 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=87.00' (Free Discharge)
 ↳ **2=Orifice/Grate** (Controls 0.00 cfs)
 ↳ **3=Orifice/Grate** (Controls 0.00 cfs)

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Hydrograph for Pond Basin 2: Basin 2

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.01	0.000	87.00	0.00	0.00	0.00
5.05	0.01	0.000	87.00	0.00	0.00	0.00
5.10	0.01	0.000	87.00	0.00	0.00	0.00
5.15	0.01	0.000	87.00	0.00	0.00	0.00
5.20	0.01	0.000	87.00	0.00	0.00	0.00
5.25	0.01	0.000	87.00	0.01	0.01	0.00
5.30	0.01	0.000	87.00	0.01	0.01	0.00
5.35	0.01	0.000	87.00	0.01	0.01	0.00
5.40	0.01	0.000	87.00	0.01	0.01	0.00
5.45	0.01	0.000	87.00	0.01	0.01	0.00
5.50	0.01	0.000	87.00	0.01	0.01	0.00
5.55	0.01	0.000	87.00	0.01	0.01	0.00
5.60	0.01	0.000	87.00	0.01	0.01	0.00
5.65	0.01	0.000	87.00	0.01	0.01	0.00
5.70	0.01	0.000	87.00	0.01	0.01	0.00
5.75	0.01	0.000	87.00	0.01	0.01	0.00
5.80	0.01	0.000	87.00	0.01	0.01	0.00
5.85	0.01	0.000	87.00	0.01	0.01	0.00
5.90	0.01	0.000	87.00	0.01	0.01	0.00
5.95	0.01	0.000	87.00	0.01	0.01	0.00
6.00	0.01	0.000	87.00	0.01	0.01	0.00
6.05	0.01	0.000	87.00	0.01	0.01	0.00
6.10	0.01	0.000	87.00	0.01	0.01	0.00
6.15	0.01	0.000	87.00	0.01	0.01	0.00
6.20	0.02	0.000	87.00	0.01	0.01	0.00
6.25	0.02	0.000	87.00	0.01	0.01	0.00
6.30	0.02	0.000	87.00	0.01	0.01	0.00
6.35	0.02	0.000	87.00	0.01	0.01	0.00
6.40	0.02	0.000	87.00	0.01	0.01	0.00
6.45	0.02	0.000	87.00	0.01	0.01	0.00
6.50	0.02	0.000	87.00	0.01	0.01	0.00
6.55	0.02	0.000	87.00	0.01	0.01	0.00
6.60	0.02	0.000	87.00	0.02	0.02	0.00
6.65	0.02	0.000	87.00	0.02	0.02	0.00
6.70	0.02	0.000	87.00	0.02	0.02	0.00
6.75	0.02	0.001	87.00	0.02	0.02	0.00
6.80	0.02	0.001	87.00	0.02	0.02	0.00
6.85	0.02	0.001	87.00	0.02	0.02	0.00
6.90	0.02	0.001	87.00	0.02	0.02	0.00
6.95	0.02	0.001	87.00	0.02	0.02	0.00
7.00	0.02	0.001	87.00	0.02	0.02	0.00
7.05	0.02	0.001	87.00	0.02	0.02	0.00
7.10	0.02	0.001	87.00	0.02	0.02	0.00
7.15	0.02	0.001	87.00	0.02	0.02	0.00
7.20	0.02	0.001	87.00	0.02	0.02	0.00
7.25	0.02	0.001	87.00	0.02	0.02	0.00
7.30	0.02	0.001	87.01	0.02	0.02	0.00
7.35	0.02	0.001	87.01	0.02	0.02	0.00
7.40	0.02	0.001	87.01	0.02	0.02	0.00
7.45	0.02	0.001	87.01	0.02	0.02	0.00
7.50	0.02	0.001	87.01	0.02	0.02	0.00
7.55	0.02	0.001	87.01	0.02	0.02	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.02	0.001	87.01	0.02	0.02	0.00
7.65	0.02	0.001	87.01	0.02	0.02	0.00
7.70	0.02	0.001	87.01	0.02	0.02	0.00
7.75	0.02	0.001	87.01	0.02	0.02	0.00
7.80	0.02	0.001	87.01	0.02	0.02	0.00
7.85	0.03	0.001	87.01	0.02	0.02	0.00
7.90	0.03	0.001	87.01	0.02	0.02	0.00
7.95	0.03	0.001	87.01	0.02	0.02	0.00
8.00	0.03	0.001	87.01	0.02	0.02	0.00
8.05	0.03	0.001	87.01	0.02	0.02	0.00
8.10	0.03	0.001	87.01	0.02	0.02	0.00
8.15	0.03	0.001	87.01	0.02	0.02	0.00
8.20	0.03	0.001	87.01	0.03	0.03	0.00
8.25	0.03	0.001	87.01	0.03	0.03	0.00
8.30	0.03	0.001	87.01	0.03	0.03	0.00
8.35	0.03	0.001	87.01	0.03	0.03	0.00
8.40	0.03	0.001	87.01	0.03	0.03	0.00
8.45	0.03	0.001	87.01	0.03	0.03	0.00
8.50	0.03	0.001	87.01	0.03	0.03	0.00
8.55	0.03	0.001	87.01	0.03	0.03	0.00
8.60	0.03	0.001	87.01	0.03	0.03	0.00
8.65	0.03	0.001	87.01	0.03	0.03	0.00
8.70	0.03	0.001	87.01	0.03	0.03	0.00
8.75	0.03	0.001	87.01	0.03	0.03	0.00
8.80	0.03	0.001	87.01	0.03	0.03	0.00
8.85	0.03	0.001	87.01	0.03	0.03	0.00
8.90	0.03	0.001	87.01	0.03	0.03	0.00
8.95	0.03	0.001	87.01	0.03	0.03	0.00
9.00	0.03	0.001	87.01	0.03	0.03	0.00
9.05	0.03	0.001	87.01	0.03	0.03	0.00
9.10	0.03	0.001	87.01	0.03	0.03	0.00
9.15	0.03	0.001	87.01	0.03	0.03	0.00
9.20	0.04	0.001	87.01	0.03	0.03	0.00
9.25	0.04	0.001	87.01	0.03	0.03	0.00
9.30	0.04	0.001	87.01	0.03	0.03	0.00
9.35	0.04	0.001	87.01	0.03	0.03	0.00
9.40	0.04	0.001	87.01	0.03	0.03	0.00
9.45	0.04	0.001	87.01	0.03	0.03	0.00
9.50	0.04	0.001	87.01	0.04	0.04	0.00
9.55	0.04	0.001	87.01	0.04	0.04	0.00
9.60	0.04	0.001	87.01	0.04	0.04	0.00
9.65	0.04	0.001	87.01	0.04	0.04	0.00
9.70	0.04	0.001	87.01	0.04	0.04	0.00
9.75	0.04	0.001	87.01	0.04	0.04	0.00
9.80	0.05	0.001	87.01	0.04	0.04	0.00
9.85	0.05	0.001	87.01	0.04	0.04	0.00
9.90	0.05	0.001	87.01	0.04	0.04	0.00
9.95	0.05	0.001	87.01	0.04	0.04	0.00
10.00	0.05	0.001	87.01	0.04	0.04	0.00
10.05	0.05	0.001	87.01	0.04	0.04	0.00
10.10	0.05	0.001	87.01	0.04	0.04	0.00
10.15	0.05	0.001	87.01	0.05	0.05	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.05	0.001	87.01	0.05	0.05	0.00
10.25	0.05	0.001	87.01	0.05	0.05	0.00
10.30	0.06	0.002	87.01	0.05	0.05	0.00
10.35	0.06	0.002	87.01	0.05	0.05	0.00
10.40	0.06	0.002	87.01	0.05	0.05	0.00
10.45	0.06	0.002	87.01	0.05	0.05	0.00
10.50	0.06	0.002	87.01	0.05	0.05	0.00
10.55	0.06	0.002	87.01	0.05	0.05	0.00
10.60	0.06	0.002	87.01	0.05	0.05	0.00
10.65	0.06	0.002	87.01	0.06	0.06	0.00
10.70	0.07	0.002	87.01	0.06	0.06	0.00
10.75	0.07	0.002	87.02	0.06	0.06	0.00
10.80	0.07	0.002	87.02	0.06	0.06	0.00
10.85	0.07	0.002	87.02	0.06	0.06	0.00
10.90	0.08	0.002	87.02	0.06	0.06	0.00
10.95	0.08	0.002	87.02	0.06	0.06	0.00
11.00	0.08	0.002	87.02	0.07	0.07	0.00
11.05	0.09	0.002	87.02	0.07	0.07	0.00
11.10	0.09	0.002	87.02	0.07	0.07	0.00
11.15	0.09	0.002	87.02	0.07	0.07	0.00
11.20	0.10	0.002	87.02	0.08	0.08	0.00
11.25	0.10	0.002	87.02	0.08	0.08	0.00
11.30	0.11	0.003	87.02	0.08	0.08	0.00
11.35	0.11	0.003	87.02	0.09	0.09	0.00
11.40	0.12	0.003	87.02	0.09	0.09	0.00
11.45	0.12	0.003	87.02	0.09	0.09	0.00
11.50	0.13	0.003	87.03	0.10	0.10	0.00
11.55	0.13	0.003	87.03	0.10	0.10	0.00
11.60	0.14	0.003	87.03	0.11	0.11	0.00
11.65	0.15	0.003	87.03	0.11	0.11	0.00
11.70	0.17	0.004	87.03	0.12	0.12	0.00
11.75	0.18	0.004	87.03	0.12	0.12	0.00
11.80	0.20	0.004	87.03	0.13	0.13	0.00
11.85	0.22	0.004	87.04	0.14	0.14	0.00
11.90	0.25	0.005	87.04	0.15	0.15	0.00
11.95	0.30	0.005	87.04	0.17	0.17	0.00
12.00	0.37	0.006	87.05	0.19	0.19	0.00
12.05	0.47	0.007	87.06	0.19	0.19	0.00
12.10	0.61	0.008	87.07	0.20	0.20	0.00
12.15	0.75	0.010	87.09	0.20	0.20	0.00
12.20	0.78	0.013	87.11	0.20	0.20	0.00
12.25	0.72	0.015	87.12	0.21	0.21	0.00
12.30	0.64	0.017	87.14	0.21	0.21	0.00
12.35	0.57	0.018	87.15	0.21	0.21	0.00
12.40	0.50	0.020	87.16	0.22	0.22	0.00
12.45	0.44	0.021	87.17	0.22	0.22	0.00
12.50	0.39	0.022	87.18	0.22	0.22	0.00
12.55	0.35	0.022	87.18	0.22	0.22	0.00
12.60	0.31	0.023	87.19	0.22	0.22	0.00
12.65	0.28	0.023	87.19	0.22	0.22	0.00
12.70	0.25	0.023	87.19	0.22	0.22	0.00
12.75	0.22	0.023	87.19	0.22	0.22	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.20	0.023	87.19	0.22	0.22	0.00
12.85	0.19	0.023	87.19	0.22	0.22	0.00
12.90	0.17	0.023	87.19	0.22	0.22	0.00
12.95	0.16	0.023	87.19	0.22	0.22	0.00
13.00	0.15	0.022	87.19	0.22	0.22	0.00
13.05	0.15	0.022	87.18	0.22	0.22	0.00
13.10	0.14	0.022	87.18	0.22	0.22	0.00
13.15	0.13	0.021	87.18	0.22	0.22	0.00
13.20	0.12	0.021	87.17	0.22	0.22	0.00
13.25	0.12	0.021	87.17	0.22	0.22	0.00
13.30	0.11	0.020	87.17	0.22	0.22	0.00
13.35	0.11	0.020	87.16	0.22	0.22	0.00
13.40	0.10	0.019	87.16	0.22	0.22	0.00
13.45	0.10	0.019	87.16	0.22	0.22	0.00
13.50	0.10	0.018	87.15	0.21	0.21	0.00
13.55	0.09	0.018	87.15	0.21	0.21	0.00
13.60	0.09	0.017	87.14	0.21	0.21	0.00
13.65	0.09	0.017	87.14	0.21	0.21	0.00
13.70	0.08	0.016	87.14	0.21	0.21	0.00
13.75	0.08	0.016	87.13	0.21	0.21	0.00
13.80	0.08	0.015	87.13	0.21	0.21	0.00
13.85	0.08	0.015	87.12	0.21	0.21	0.00
13.90	0.08	0.014	87.12	0.21	0.21	0.00
13.95	0.07	0.014	87.11	0.21	0.21	0.00
14.00	0.07	0.013	87.11	0.20	0.20	0.00
14.05	0.07	0.013	87.10	0.20	0.20	0.00
14.10	0.07	0.012	87.10	0.20	0.20	0.00
14.15	0.07	0.011	87.10	0.20	0.20	0.00
14.20	0.07	0.011	87.09	0.20	0.20	0.00
14.25	0.07	0.010	87.09	0.20	0.20	0.00
14.30	0.07	0.010	87.08	0.20	0.20	0.00
14.35	0.07	0.009	87.08	0.20	0.20	0.00
14.40	0.06	0.009	87.07	0.20	0.20	0.00
14.45	0.06	0.008	87.07	0.20	0.20	0.00
14.50	0.06	0.008	87.06	0.19	0.19	0.00
14.55	0.06	0.007	87.06	0.19	0.19	0.00
14.60	0.06	0.006	87.05	0.19	0.19	0.00
14.65	0.06	0.006	87.05	0.19	0.19	0.00
14.70	0.06	0.005	87.05	0.17	0.17	0.00
14.75	0.06	0.005	87.04	0.16	0.16	0.00
14.80	0.06	0.005	87.04	0.15	0.15	0.00
14.85	0.06	0.004	87.04	0.14	0.14	0.00
14.90	0.05	0.004	87.03	0.13	0.13	0.00
14.95	0.05	0.004	87.03	0.12	0.12	0.00
15.00	0.05	0.003	87.03	0.11	0.11	0.00
15.05	0.05	0.003	87.03	0.10	0.10	0.00
15.10	0.05	0.003	87.02	0.10	0.10	0.00
15.15	0.05	0.003	87.02	0.09	0.09	0.00
15.20	0.05	0.003	87.02	0.08	0.08	0.00
15.25	0.05	0.003	87.02	0.08	0.08	0.00
15.30	0.05	0.002	87.02	0.08	0.08	0.00
15.35	0.05	0.002	87.02	0.07	0.07	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.05	0.002	87.02	0.07	0.07	0.00
15.45	0.05	0.002	87.02	0.07	0.07	0.00
15.50	0.05	0.002	87.02	0.06	0.06	0.00
15.55	0.05	0.002	87.02	0.06	0.06	0.00
15.60	0.04	0.002	87.02	0.06	0.06	0.00
15.65	0.04	0.002	87.02	0.06	0.06	0.00
15.70	0.04	0.002	87.01	0.06	0.06	0.00
15.75	0.04	0.002	87.01	0.05	0.05	0.00
15.80	0.04	0.002	87.01	0.05	0.05	0.00
15.85	0.04	0.002	87.01	0.05	0.05	0.00
15.90	0.04	0.002	87.01	0.05	0.05	0.00
15.95	0.04	0.002	87.01	0.05	0.05	0.00
16.00	0.04	0.002	87.01	0.05	0.05	0.00
16.05	0.04	0.002	87.01	0.05	0.05	0.00
16.10	0.04	0.001	87.01	0.05	0.05	0.00
16.15	0.04	0.001	87.01	0.05	0.05	0.00
16.20	0.04	0.001	87.01	0.05	0.05	0.00
16.25	0.04	0.001	87.01	0.05	0.05	0.00
16.30	0.04	0.001	87.01	0.04	0.04	0.00
16.35	0.04	0.001	87.01	0.04	0.04	0.00
16.40	0.04	0.001	87.01	0.04	0.04	0.00
16.45	0.04	0.001	87.01	0.04	0.04	0.00
16.50	0.04	0.001	87.01	0.04	0.04	0.00
16.55	0.04	0.001	87.01	0.04	0.04	0.00
16.60	0.04	0.001	87.01	0.04	0.04	0.00
16.65	0.04	0.001	87.01	0.04	0.04	0.00
16.70	0.04	0.001	87.01	0.04	0.04	0.00
16.75	0.04	0.001	87.01	0.04	0.04	0.00
16.80	0.04	0.001	87.01	0.04	0.04	0.00
16.85	0.04	0.001	87.01	0.04	0.04	0.00
16.90	0.04	0.001	87.01	0.04	0.04	0.00
16.95	0.04	0.001	87.01	0.04	0.04	0.00
17.00	0.04	0.001	87.01	0.04	0.04	0.00
17.05	0.04	0.001	87.01	0.04	0.04	0.00
17.10	0.04	0.001	87.01	0.04	0.04	0.00
17.15	0.04	0.001	87.01	0.04	0.04	0.00
17.20	0.04	0.001	87.01	0.04	0.04	0.00
17.25	0.03	0.001	87.01	0.04	0.04	0.00
17.30	0.03	0.001	87.01	0.04	0.04	0.00
17.35	0.03	0.001	87.01	0.04	0.04	0.00
17.40	0.03	0.001	87.01	0.04	0.04	0.00
17.45	0.03	0.001	87.01	0.04	0.04	0.00
17.50	0.03	0.001	87.01	0.04	0.04	0.00
17.55	0.03	0.001	87.01	0.04	0.04	0.00
17.60	0.03	0.001	87.01	0.04	0.04	0.00
17.65	0.03	0.001	87.01	0.03	0.03	0.00
17.70	0.03	0.001	87.01	0.03	0.03	0.00
17.75	0.03	0.001	87.01	0.03	0.03	0.00
17.80	0.03	0.001	87.01	0.03	0.03	0.00
17.85	0.03	0.001	87.01	0.03	0.03	0.00
17.90	0.03	0.001	87.01	0.03	0.03	0.00
17.95	0.03	0.001	87.01	0.03	0.03	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.03	0.001	87.01	0.03	0.03	0.00
18.05	0.03	0.001	87.01	0.03	0.03	0.00
18.10	0.03	0.001	87.01	0.03	0.03	0.00
18.15	0.03	0.001	87.01	0.03	0.03	0.00
18.20	0.03	0.001	87.01	0.03	0.03	0.00
18.25	0.03	0.001	87.01	0.03	0.03	0.00
18.30	0.03	0.001	87.01	0.03	0.03	0.00
18.35	0.03	0.001	87.01	0.03	0.03	0.00
18.40	0.03	0.001	87.01	0.03	0.03	0.00
18.45	0.03	0.001	87.01	0.03	0.03	0.00
18.50	0.03	0.001	87.01	0.03	0.03	0.00
18.55	0.03	0.001	87.01	0.03	0.03	0.00
18.60	0.03	0.001	87.01	0.03	0.03	0.00
18.65	0.03	0.001	87.01	0.03	0.03	0.00
18.70	0.03	0.001	87.01	0.03	0.03	0.00
18.75	0.03	0.001	87.01	0.03	0.03	0.00
18.80	0.03	0.001	87.01	0.03	0.03	0.00
18.85	0.03	0.001	87.01	0.03	0.03	0.00
18.90	0.03	0.001	87.01	0.03	0.03	0.00
18.95	0.03	0.001	87.01	0.03	0.03	0.00
19.00	0.03	0.001	87.01	0.03	0.03	0.00
19.05	0.03	0.001	87.01	0.03	0.03	0.00
19.10	0.03	0.001	87.01	0.03	0.03	0.00
19.15	0.03	0.001	87.01	0.03	0.03	0.00
19.20	0.03	0.001	87.01	0.03	0.03	0.00
19.25	0.03	0.001	87.01	0.03	0.03	0.00
19.30	0.03	0.001	87.01	0.03	0.03	0.00
19.35	0.03	0.001	87.01	0.03	0.03	0.00
19.40	0.03	0.001	87.01	0.03	0.03	0.00
19.45	0.03	0.001	87.01	0.03	0.03	0.00
19.50	0.03	0.001	87.01	0.03	0.03	0.00
19.55	0.03	0.001	87.01	0.03	0.03	0.00
19.60	0.03	0.001	87.01	0.03	0.03	0.00
19.65	0.03	0.001	87.01	0.03	0.03	0.00
19.70	0.03	0.001	87.01	0.03	0.03	0.00
19.75	0.03	0.001	87.01	0.03	0.03	0.00
19.80	0.03	0.001	87.01	0.03	0.03	0.00
19.85	0.03	0.001	87.01	0.03	0.03	0.00
19.90	0.03	0.001	87.01	0.03	0.03	0.00
19.95	0.03	0.001	87.01	0.03	0.03	0.00
20.00	0.03	0.001	87.01	0.03	0.03	0.00
20.05	0.03	0.001	87.01	0.03	0.03	0.00
20.10	0.03	0.001	87.01	0.03	0.03	0.00
20.15	0.03	0.001	87.01	0.03	0.03	0.00
20.20	0.03	0.001	87.01	0.03	0.03	0.00
20.25	0.03	0.001	87.01	0.03	0.03	0.00
20.30	0.03	0.001	87.01	0.03	0.03	0.00
20.35	0.03	0.001	87.01	0.03	0.03	0.00
20.40	0.03	0.001	87.01	0.03	0.03	0.00
20.45	0.03	0.001	87.01	0.03	0.03	0.00
20.50	0.03	0.001	87.01	0.03	0.03	0.00
20.55	0.03	0.001	87.01	0.03	0.03	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.03	0.001	87.01	0.03	0.03	0.00
20.65	0.03	0.001	87.01	0.03	0.03	0.00
20.70	0.03	0.001	87.01	0.03	0.03	0.00
20.75	0.03	0.001	87.01	0.03	0.03	0.00
20.80	0.02	0.001	87.01	0.03	0.03	0.00
20.85	0.02	0.001	87.01	0.03	0.03	0.00
20.90	0.02	0.001	87.01	0.03	0.03	0.00
20.95	0.02	0.001	87.01	0.03	0.03	0.00
21.00	0.02	0.001	87.01	0.03	0.03	0.00
21.05	0.02	0.001	87.01	0.03	0.03	0.00
21.10	0.02	0.001	87.01	0.03	0.03	0.00
21.15	0.02	0.001	87.01	0.03	0.03	0.00
21.20	0.02	0.001	87.01	0.02	0.02	0.00
21.25	0.02	0.001	87.01	0.02	0.02	0.00
21.30	0.02	0.001	87.01	0.02	0.02	0.00
21.35	0.02	0.001	87.01	0.02	0.02	0.00
21.40	0.02	0.001	87.01	0.02	0.02	0.00
21.45	0.02	0.001	87.01	0.02	0.02	0.00
21.50	0.02	0.001	87.01	0.02	0.02	0.00
21.55	0.02	0.001	87.01	0.02	0.02	0.00
21.60	0.02	0.001	87.01	0.02	0.02	0.00
21.65	0.02	0.001	87.01	0.02	0.02	0.00
21.70	0.02	0.001	87.01	0.02	0.02	0.00
21.75	0.02	0.001	87.01	0.02	0.02	0.00
21.80	0.02	0.001	87.01	0.02	0.02	0.00
21.85	0.02	0.001	87.01	0.02	0.02	0.00
21.90	0.02	0.001	87.01	0.02	0.02	0.00
21.95	0.02	0.001	87.01	0.02	0.02	0.00
22.00	0.02	0.001	87.01	0.02	0.02	0.00
22.05	0.02	0.001	87.01	0.02	0.02	0.00
22.10	0.02	0.001	87.01	0.02	0.02	0.00
22.15	0.02	0.001	87.01	0.02	0.02	0.00
22.20	0.02	0.001	87.01	0.02	0.02	0.00
22.25	0.02	0.001	87.01	0.02	0.02	0.00
22.30	0.02	0.001	87.01	0.02	0.02	0.00
22.35	0.02	0.001	87.01	0.02	0.02	0.00
22.40	0.02	0.001	87.01	0.02	0.02	0.00
22.45	0.02	0.001	87.01	0.02	0.02	0.00
22.50	0.02	0.001	87.01	0.02	0.02	0.00
22.55	0.02	0.001	87.01	0.02	0.02	0.00
22.60	0.02	0.001	87.01	0.02	0.02	0.00
22.65	0.02	0.001	87.01	0.02	0.02	0.00
22.70	0.02	0.001	87.01	0.02	0.02	0.00
22.75	0.02	0.001	87.01	0.02	0.02	0.00
22.80	0.02	0.001	87.01	0.02	0.02	0.00
22.85	0.02	0.001	87.01	0.02	0.02	0.00
22.90	0.02	0.001	87.01	0.02	0.02	0.00
22.95	0.02	0.001	87.01	0.02	0.02	0.00
23.00	0.02	0.001	87.01	0.02	0.02	0.00
23.05	0.02	0.001	87.01	0.02	0.02	0.00
23.10	0.02	0.001	87.01	0.02	0.02	0.00
23.15	0.02	0.001	87.01	0.02	0.02	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.02	0.001	87.01	0.02	0.02	0.00
23.25	0.02	0.001	87.01	0.02	0.02	0.00
23.30	0.02	0.001	87.01	0.02	0.02	0.00
23.35	0.02	0.001	87.01	0.02	0.02	0.00
23.40	0.02	0.001	87.01	0.02	0.02	0.00
23.45	0.02	0.001	87.01	0.02	0.02	0.00
23.50	0.02	0.001	87.01	0.02	0.02	0.00
23.55	0.02	0.001	87.01	0.02	0.02	0.00
23.60	0.02	0.001	87.01	0.02	0.02	0.00
23.65	0.02	0.001	87.01	0.02	0.02	0.00
23.70	0.02	0.001	87.01	0.02	0.02	0.00
23.75	0.02	0.001	87.01	0.02	0.02	0.00
23.80	0.02	0.001	87.01	0.02	0.02	0.00
23.85	0.02	0.001	87.01	0.02	0.02	0.00
23.90	0.02	0.001	87.01	0.02	0.02	0.00
23.95	0.02	0.001	87.01	0.02	0.02	0.00
24.00	0.02	0.001	87.01	0.02	0.02	0.00
24.05	0.02	0.001	87.01	0.02	0.02	0.00
24.10	0.02	0.001	87.01	0.02	0.02	0.00
24.15	0.01	0.001	87.01	0.02	0.02	0.00
24.20	0.01	0.001	87.00	0.02	0.02	0.00
24.25	0.01	0.001	87.00	0.02	0.02	0.00
24.30	0.01	0.001	87.00	0.02	0.02	0.00
24.35	0.00	0.000	87.00	0.02	0.02	0.00
24.40	0.00	0.000	87.00	0.01	0.01	0.00
24.45	0.00	0.000	87.00	0.01	0.01	0.00
24.50	0.00	0.000	87.00	0.01	0.01	0.00
24.55	0.00	0.000	87.00	0.01	0.01	0.00
24.60	0.00	0.000	87.00	0.01	0.01	0.00
24.65	0.00	0.000	87.00	0.01	0.01	0.00
24.70	0.00	0.000	87.00	0.01	0.01	0.00
24.75	0.00	0.000	87.00	0.01	0.01	0.00
24.80	0.00	0.000	87.00	0.01	0.01	0.00
24.85	0.00	0.000	87.00	0.00	0.00	0.00
24.90	0.00	0.000	87.00	0.00	0.00	0.00
24.95	0.00	0.000	87.00	0.00	0.00	0.00
25.00	0.00	0.000	87.00	0.00	0.00	0.00
25.05	0.00	0.000	87.00	0.00	0.00	0.00
25.10	0.00	0.000	87.00	0.00	0.00	0.00
25.15	0.00	0.000	87.00	0.00	0.00	0.00
25.20	0.00	0.000	87.00	0.00	0.00	0.00
25.25	0.00	0.000	87.00	0.00	0.00	0.00
25.30	0.00	0.000	87.00	0.00	0.00	0.00
25.35	0.00	0.000	87.00	0.00	0.00	0.00
25.40	0.00	0.000	87.00	0.00	0.00	0.00
25.45	0.00	0.000	87.00	0.00	0.00	0.00
25.50	0.00	0.000	87.00	0.00	0.00	0.00
25.55	0.00	0.000	87.00	0.00	0.00	0.00
25.60	0.00	0.000	87.00	0.00	0.00	0.00
25.65	0.00	0.000	87.00	0.00	0.00	0.00
25.70	0.00	0.000	87.00	0.00	0.00	0.00
25.75	0.00	0.000	87.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	87.00	0.00	0.00	0.00
25.85	0.00	0.000	87.00	0.00	0.00	0.00
25.90	0.00	0.000	87.00	0.00	0.00	0.00
25.95	0.00	0.000	87.00	0.00	0.00	0.00
26.00	0.00	0.000	87.00	0.00	0.00	0.00
26.05	0.00	0.000	87.00	0.00	0.00	0.00
26.10	0.00	0.000	87.00	0.00	0.00	0.00
26.15	0.00	0.000	87.00	0.00	0.00	0.00
26.20	0.00	0.000	87.00	0.00	0.00	0.00
26.25	0.00	0.000	87.00	0.00	0.00	0.00
26.30	0.00	0.000	87.00	0.00	0.00	0.00
26.35	0.00	0.000	87.00	0.00	0.00	0.00
26.40	0.00	0.000	87.00	0.00	0.00	0.00
26.45	0.00	0.000	87.00	0.00	0.00	0.00
26.50	0.00	0.000	87.00	0.00	0.00	0.00
26.55	0.00	0.000	87.00	0.00	0.00	0.00
26.60	0.00	0.000	87.00	0.00	0.00	0.00
26.65	0.00	0.000	87.00	0.00	0.00	0.00
26.70	0.00	0.000	87.00	0.00	0.00	0.00
26.75	0.00	0.000	87.00	0.00	0.00	0.00
26.80	0.00	0.000	87.00	0.00	0.00	0.00
26.85	0.00	0.000	87.00	0.00	0.00	0.00
26.90	0.00	0.000	87.00	0.00	0.00	0.00
26.95	0.00	0.000	87.00	0.00	0.00	0.00
27.00	0.00	0.000	87.00	0.00	0.00	0.00
27.05	0.00	0.000	87.00	0.00	0.00	0.00
27.10	0.00	0.000	87.00	0.00	0.00	0.00
27.15	0.00	0.000	87.00	0.00	0.00	0.00
27.20	0.00	0.000	87.00	0.00	0.00	0.00
27.25	0.00	0.000	87.00	0.00	0.00	0.00
27.30	0.00	0.000	87.00	0.00	0.00	0.00
27.35	0.00	0.000	87.00	0.00	0.00	0.00
27.40	0.00	0.000	87.00	0.00	0.00	0.00
27.45	0.00	0.000	87.00	0.00	0.00	0.00
27.50	0.00	0.000	87.00	0.00	0.00	0.00
27.55	0.00	0.000	87.00	0.00	0.00	0.00
27.60	0.00	0.000	87.00	0.00	0.00	0.00
27.65	0.00	0.000	87.00	0.00	0.00	0.00
27.70	0.00	0.000	87.00	0.00	0.00	0.00
27.75	0.00	0.000	87.00	0.00	0.00	0.00
27.80	0.00	0.000	87.00	0.00	0.00	0.00
27.85	0.00	0.000	87.00	0.00	0.00	0.00
27.90	0.00	0.000	87.00	0.00	0.00	0.00
27.95	0.00	0.000	87.00	0.00	0.00	0.00
28.00	0.00	0.000	87.00	0.00	0.00	0.00
28.05	0.00	0.000	87.00	0.00	0.00	0.00
28.10	0.00	0.000	87.00	0.00	0.00	0.00
28.15	0.00	0.000	87.00	0.00	0.00	0.00
28.20	0.00	0.000	87.00	0.00	0.00	0.00
28.25	0.00	0.000	87.00	0.00	0.00	0.00
28.30	0.00	0.000	87.00	0.00	0.00	0.00
28.35	0.00	0.000	87.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 2: Basin 2 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	87.00	0.00	0.00	0.00
28.45	0.00	0.000	87.00	0.00	0.00	0.00
28.50	0.00	0.000	87.00	0.00	0.00	0.00
28.55	0.00	0.000	87.00	0.00	0.00	0.00
28.60	0.00	0.000	87.00	0.00	0.00	0.00
28.65	0.00	0.000	87.00	0.00	0.00	0.00
28.70	0.00	0.000	87.00	0.00	0.00	0.00
28.75	0.00	0.000	87.00	0.00	0.00	0.00
28.80	0.00	0.000	87.00	0.00	0.00	0.00
28.85	0.00	0.000	87.00	0.00	0.00	0.00
28.90	0.00	0.000	87.00	0.00	0.00	0.00
28.95	0.00	0.000	87.00	0.00	0.00	0.00
29.00	0.00	0.000	87.00	0.00	0.00	0.00
29.05	0.00	0.000	87.00	0.00	0.00	0.00
29.10	0.00	0.000	87.00	0.00	0.00	0.00
29.15	0.00	0.000	87.00	0.00	0.00	0.00
29.20	0.00	0.000	87.00	0.00	0.00	0.00
29.25	0.00	0.000	87.00	0.00	0.00	0.00
29.30	0.00	0.000	87.00	0.00	0.00	0.00
29.35	0.00	0.000	87.00	0.00	0.00	0.00
29.40	0.00	0.000	87.00	0.00	0.00	0.00
29.45	0.00	0.000	87.00	0.00	0.00	0.00
29.50	0.00	0.000	87.00	0.00	0.00	0.00
29.55	0.00	0.000	87.00	0.00	0.00	0.00
29.60	0.00	0.000	87.00	0.00	0.00	0.00
29.65	0.00	0.000	87.00	0.00	0.00	0.00
29.70	0.00	0.000	87.00	0.00	0.00	0.00
29.75	0.00	0.000	87.00	0.00	0.00	0.00
29.80	0.00	0.000	87.00	0.00	0.00	0.00
29.85	0.00	0.000	87.00	0.00	0.00	0.00
29.90	0.00	0.000	87.00	0.00	0.00	0.00
29.95	0.00	0.000	87.00	0.00	0.00	0.00
30.00	0.00	0.000	87.00	0.00	0.00	0.00

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Summary for Pond Basin 3: Basin 3

Inflow Area = 4.500 ac, 26.67% Impervious, Inflow Depth > 0.27" for WQ storm event
 Inflow = 0.82 cfs @ 12.19 hrs, Volume= 0.102 af
 Outflow = 0.43 cfs @ 12.48 hrs, Volume= 0.102 af, Atten= 48%, Lag= 17.4 min
 Discarded = 0.43 cfs @ 12.48 hrs, Volume= 0.102 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 86.07' @ 12.48 hrs Surf.Area= 0.205 ac Storage= 0.016 af

Plug-Flow detention time= 22.1 min calculated for 0.102 af (100% of inflow)
 Center-of-Mass det. time= 21.5 min (828.6 - 807.0)

Volume	Invert	Avail.Storage	Storage Description
#1	86.00'	1.950 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
86.00	0.200	0.000	0.000
87.00	0.280	0.240	0.240
88.00	0.360	0.320	0.560
89.00	0.420	0.390	0.950
90.00	0.500	0.460	1.410
91.00	0.580	0.540	1.950

Device	Routing	Invert	Outlet Devices
#1	Discarded	86.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 84.00'
#2	Primary	87.00'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	88.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.43 cfs @ 12.48 hrs HW=86.07' (Free Discharge)
 ↳1=Exfiltration (Controls 0.43 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=86.00' (Free Discharge)
 ↳2=Orifice/Grate (Controls 0.00 cfs)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 3: Basin 3

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.01	0.000	86.00	0.00	0.00	0.00
5.05	0.01	0.000	86.00	0.00	0.00	0.00
5.10	0.01	0.000	86.00	0.00	0.00	0.00
5.15	0.01	0.000	86.00	0.00	0.00	0.00
5.20	0.01	0.000	86.00	0.01	0.01	0.00
5.25	0.01	0.000	86.00	0.01	0.01	0.00
5.30	0.01	0.000	86.00	0.01	0.01	0.00
5.35	0.01	0.000	86.00	0.01	0.01	0.00
5.40	0.01	0.000	86.00	0.01	0.01	0.00
5.45	0.01	0.000	86.00	0.01	0.01	0.00
5.50	0.01	0.000	86.00	0.01	0.01	0.00
5.55	0.01	0.000	86.00	0.01	0.01	0.00
5.60	0.01	0.000	86.00	0.01	0.01	0.00
5.65	0.01	0.000	86.00	0.01	0.01	0.00
5.70	0.01	0.000	86.00	0.01	0.01	0.00
5.75	0.01	0.000	86.00	0.01	0.01	0.00
5.80	0.01	0.000	86.00	0.01	0.01	0.00
5.85	0.01	0.000	86.00	0.01	0.01	0.00
5.90	0.01	0.000	86.00	0.01	0.01	0.00
5.95	0.01	0.000	86.00	0.01	0.01	0.00
6.00	0.01	0.000	86.00	0.01	0.01	0.00
6.05	0.02	0.000	86.00	0.01	0.01	0.00
6.10	0.02	0.000	86.00	0.01	0.01	0.00
6.15	0.02	0.000	86.00	0.01	0.01	0.00
6.20	0.02	0.000	86.00	0.01	0.01	0.00
6.25	0.02	0.000	86.00	0.01	0.01	0.00
6.30	0.02	0.000	86.00	0.01	0.01	0.00
6.35	0.02	0.000	86.00	0.01	0.01	0.00
6.40	0.02	0.000	86.00	0.02	0.02	0.00
6.45	0.02	0.000	86.00	0.02	0.02	0.00
6.50	0.02	0.000	86.00	0.02	0.02	0.00
6.55	0.02	0.000	86.00	0.02	0.02	0.00
6.60	0.02	0.000	86.00	0.02	0.02	0.00
6.65	0.02	0.000	86.00	0.02	0.02	0.00
6.70	0.02	0.000	86.00	0.02	0.02	0.00
6.75	0.02	0.000	86.00	0.02	0.02	0.00
6.80	0.02	0.000	86.00	0.02	0.02	0.00
6.85	0.02	0.000	86.00	0.02	0.02	0.00
6.90	0.02	0.001	86.00	0.02	0.02	0.00
6.95	0.02	0.001	86.00	0.02	0.02	0.00
7.00	0.02	0.001	86.00	0.02	0.02	0.00
7.05	0.02	0.001	86.00	0.02	0.02	0.00
7.10	0.02	0.001	86.00	0.02	0.02	0.00
7.15	0.02	0.001	86.00	0.02	0.02	0.00
7.20	0.02	0.001	86.00	0.02	0.02	0.00
7.25	0.02	0.001	86.00	0.02	0.02	0.00
7.30	0.02	0.001	86.00	0.02	0.02	0.00
7.35	0.02	0.001	86.00	0.02	0.02	0.00
7.40	0.02	0.001	86.00	0.02	0.02	0.00
7.45	0.02	0.001	86.00	0.02	0.02	0.00
7.50	0.02	0.001	86.00	0.02	0.02	0.00
7.55	0.02	0.001	86.00	0.02	0.02	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.02	0.001	86.00	0.02	0.02	0.00
7.65	0.02	0.001	86.00	0.02	0.02	0.00
7.70	0.03	0.001	86.00	0.02	0.02	0.00
7.75	0.03	0.001	86.00	0.02	0.02	0.00
7.80	0.03	0.001	86.00	0.02	0.02	0.00
7.85	0.03	0.001	86.00	0.02	0.02	0.00
7.90	0.03	0.001	86.00	0.02	0.02	0.00
7.95	0.03	0.001	86.00	0.02	0.02	0.00
8.00	0.03	0.001	86.00	0.03	0.03	0.00
8.05	0.03	0.001	86.00	0.03	0.03	0.00
8.10	0.03	0.001	86.00	0.03	0.03	0.00
8.15	0.03	0.001	86.00	0.03	0.03	0.00
8.20	0.03	0.001	86.00	0.03	0.03	0.00
8.25	0.03	0.001	86.00	0.03	0.03	0.00
8.30	0.03	0.001	86.00	0.03	0.03	0.00
8.35	0.03	0.001	86.00	0.03	0.03	0.00
8.40	0.03	0.001	86.00	0.03	0.03	0.00
8.45	0.03	0.001	86.00	0.03	0.03	0.00
8.50	0.03	0.001	86.00	0.03	0.03	0.00
8.55	0.03	0.001	86.00	0.03	0.03	0.00
8.60	0.03	0.001	86.00	0.03	0.03	0.00
8.65	0.03	0.001	86.00	0.03	0.03	0.00
8.70	0.03	0.001	86.00	0.03	0.03	0.00
8.75	0.03	0.001	86.00	0.03	0.03	0.00
8.80	0.03	0.001	86.00	0.03	0.03	0.00
8.85	0.03	0.001	86.00	0.03	0.03	0.00
8.90	0.03	0.001	86.00	0.03	0.03	0.00
8.95	0.03	0.001	86.00	0.03	0.03	0.00
9.00	0.03	0.001	86.00	0.03	0.03	0.00
9.05	0.04	0.001	86.00	0.03	0.03	0.00
9.10	0.04	0.001	86.00	0.03	0.03	0.00
9.15	0.04	0.001	86.00	0.03	0.03	0.00
9.20	0.04	0.001	86.00	0.03	0.03	0.00
9.25	0.04	0.001	86.00	0.03	0.03	0.00
9.30	0.04	0.001	86.00	0.03	0.03	0.00
9.35	0.04	0.001	86.00	0.04	0.04	0.00
9.40	0.04	0.001	86.00	0.04	0.04	0.00
9.45	0.04	0.001	86.00	0.04	0.04	0.00
9.50	0.04	0.001	86.00	0.04	0.04	0.00
9.55	0.04	0.001	86.00	0.04	0.04	0.00
9.60	0.04	0.001	86.00	0.04	0.04	0.00
9.65	0.04	0.001	86.00	0.04	0.04	0.00
9.70	0.05	0.001	86.00	0.04	0.04	0.00
9.75	0.05	0.001	86.00	0.04	0.04	0.00
9.80	0.05	0.001	86.00	0.04	0.04	0.00
9.85	0.05	0.001	86.01	0.04	0.04	0.00
9.90	0.05	0.001	86.01	0.04	0.04	0.00
9.95	0.05	0.001	86.01	0.04	0.04	0.00
10.00	0.05	0.001	86.01	0.05	0.05	0.00
10.05	0.05	0.001	86.01	0.05	0.05	0.00
10.10	0.05	0.001	86.01	0.05	0.05	0.00
10.15	0.05	0.001	86.01	0.05	0.05	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.06	0.001	86.01	0.05	0.05	0.00
10.25	0.06	0.001	86.01	0.05	0.05	0.00
10.30	0.06	0.001	86.01	0.05	0.05	0.00
10.35	0.06	0.001	86.01	0.05	0.05	0.00
10.40	0.06	0.002	86.01	0.05	0.05	0.00
10.45	0.06	0.002	86.01	0.05	0.05	0.00
10.50	0.06	0.002	86.01	0.06	0.06	0.00
10.55	0.06	0.002	86.01	0.06	0.06	0.00
10.60	0.06	0.002	86.01	0.06	0.06	0.00
10.65	0.07	0.002	86.01	0.06	0.06	0.00
10.70	0.07	0.002	86.01	0.06	0.06	0.00
10.75	0.07	0.002	86.01	0.06	0.06	0.00
10.80	0.07	0.002	86.01	0.06	0.06	0.00
10.85	0.08	0.002	86.01	0.06	0.06	0.00
10.90	0.08	0.002	86.01	0.07	0.07	0.00
10.95	0.08	0.002	86.01	0.07	0.07	0.00
11.00	0.09	0.002	86.01	0.07	0.07	0.00
11.05	0.09	0.002	86.01	0.07	0.07	0.00
11.10	0.09	0.002	86.01	0.08	0.08	0.00
11.15	0.10	0.002	86.01	0.08	0.08	0.00
11.20	0.10	0.002	86.01	0.08	0.08	0.00
11.25	0.11	0.002	86.01	0.08	0.08	0.00
11.30	0.11	0.002	86.01	0.09	0.09	0.00
11.35	0.12	0.003	86.01	0.09	0.09	0.00
11.40	0.12	0.003	86.01	0.09	0.09	0.00
11.45	0.13	0.003	86.01	0.10	0.10	0.00
11.50	0.13	0.003	86.01	0.10	0.10	0.00
11.55	0.14	0.003	86.01	0.11	0.11	0.00
11.60	0.15	0.003	86.01	0.11	0.11	0.00
11.65	0.16	0.003	86.01	0.12	0.12	0.00
11.70	0.17	0.004	86.01	0.12	0.12	0.00
11.75	0.19	0.004	86.02	0.13	0.13	0.00
11.80	0.20	0.004	86.02	0.14	0.14	0.00
11.85	0.23	0.004	86.02	0.15	0.15	0.00
11.90	0.26	0.005	86.02	0.16	0.16	0.00
11.95	0.31	0.005	86.02	0.18	0.18	0.00
12.00	0.39	0.006	86.02	0.20	0.20	0.00
12.05	0.49	0.007	86.03	0.24	0.24	0.00
12.10	0.64	0.008	86.03	0.28	0.28	0.00
12.15	0.78	0.010	86.04	0.34	0.34	0.00
12.20	0.82	0.011	86.05	0.40	0.40	0.00
12.25	0.75	0.013	86.05	0.42	0.42	0.00
12.30	0.67	0.014	86.06	0.42	0.42	0.00
12.35	0.59	0.015	86.06	0.43	0.43	0.00
12.40	0.52	0.016	86.06	0.43	0.43	0.00
12.45	0.46	0.016	86.07	0.43	0.43	0.00
12.50	0.41	0.016	86.07	0.43	0.43	0.00
12.55	0.36	0.016	86.07	0.43	0.43	0.00
12.60	0.33	0.015	86.06	0.43	0.43	0.00
12.65	0.29	0.015	86.06	0.43	0.43	0.00
12.70	0.26	0.014	86.06	0.42	0.42	0.00
12.75	0.23	0.013	86.06	0.42	0.42	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.21	0.013	86.05	0.42	0.42	0.00
12.85	0.20	0.012	86.05	0.41	0.41	0.00
12.90	0.18	0.011	86.05	0.38	0.38	0.00
12.95	0.17	0.010	86.04	0.35	0.35	0.00
13.00	0.16	0.009	86.04	0.33	0.33	0.00
13.05	0.15	0.009	86.04	0.30	0.30	0.00
13.10	0.14	0.008	86.03	0.28	0.28	0.00
13.15	0.14	0.008	86.03	0.26	0.26	0.00
13.20	0.13	0.007	86.03	0.25	0.25	0.00
13.25	0.12	0.007	86.03	0.23	0.23	0.00
13.30	0.12	0.006	86.03	0.22	0.22	0.00
13.35	0.11	0.006	86.02	0.20	0.20	0.00
13.40	0.11	0.005	86.02	0.19	0.19	0.00
13.45	0.11	0.005	86.02	0.18	0.18	0.00
13.50	0.10	0.005	86.02	0.17	0.17	0.00
13.55	0.10	0.005	86.02	0.16	0.16	0.00
13.60	0.09	0.004	86.02	0.15	0.15	0.00
13.65	0.09	0.004	86.02	0.14	0.14	0.00
13.70	0.09	0.004	86.02	0.14	0.14	0.00
13.75	0.08	0.004	86.02	0.13	0.13	0.00
13.80	0.08	0.003	86.01	0.12	0.12	0.00
13.85	0.08	0.003	86.01	0.12	0.12	0.00
13.90	0.08	0.003	86.01	0.11	0.11	0.00
13.95	0.08	0.003	86.01	0.11	0.11	0.00
14.00	0.08	0.003	86.01	0.10	0.10	0.00
14.05	0.07	0.003	86.01	0.10	0.10	0.00
14.10	0.07	0.003	86.01	0.10	0.10	0.00
14.15	0.07	0.003	86.01	0.09	0.09	0.00
14.20	0.07	0.003	86.01	0.09	0.09	0.00
14.25	0.07	0.002	86.01	0.09	0.09	0.00
14.30	0.07	0.002	86.01	0.08	0.08	0.00
14.35	0.07	0.002	86.01	0.08	0.08	0.00
14.40	0.07	0.002	86.01	0.08	0.08	0.00
14.45	0.07	0.002	86.01	0.08	0.08	0.00
14.50	0.06	0.002	86.01	0.08	0.08	0.00
14.55	0.06	0.002	86.01	0.08	0.08	0.00
14.60	0.06	0.002	86.01	0.07	0.07	0.00
14.65	0.06	0.002	86.01	0.07	0.07	0.00
14.70	0.06	0.002	86.01	0.07	0.07	0.00
14.75	0.06	0.002	86.01	0.07	0.07	0.00
14.80	0.06	0.002	86.01	0.07	0.07	0.00
14.85	0.06	0.002	86.01	0.07	0.07	0.00
14.90	0.06	0.002	86.01	0.07	0.07	0.00
14.95	0.06	0.002	86.01	0.06	0.06	0.00
15.00	0.05	0.002	86.01	0.06	0.06	0.00
15.05	0.05	0.002	86.01	0.06	0.06	0.00
15.10	0.05	0.002	86.01	0.06	0.06	0.00
15.15	0.05	0.002	86.01	0.06	0.06	0.00
15.20	0.05	0.002	86.01	0.06	0.06	0.00
15.25	0.05	0.002	86.01	0.06	0.06	0.00
15.30	0.05	0.002	86.01	0.06	0.06	0.00
15.35	0.05	0.002	86.01	0.06	0.06	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.05	0.002	86.01	0.05	0.05	0.00
15.45	0.05	0.002	86.01	0.05	0.05	0.00
15.50	0.05	0.002	86.01	0.05	0.05	0.00
15.55	0.05	0.001	86.01	0.05	0.05	0.00
15.60	0.05	0.001	86.01	0.05	0.05	0.00
15.65	0.05	0.001	86.01	0.05	0.05	0.00
15.70	0.05	0.001	86.01	0.05	0.05	0.00
15.75	0.05	0.001	86.01	0.05	0.05	0.00
15.80	0.05	0.001	86.01	0.05	0.05	0.00
15.85	0.05	0.001	86.01	0.05	0.05	0.00
15.90	0.04	0.001	86.01	0.05	0.05	0.00
15.95	0.04	0.001	86.01	0.05	0.05	0.00
16.00	0.04	0.001	86.01	0.05	0.05	0.00
16.05	0.04	0.001	86.01	0.05	0.05	0.00
16.10	0.04	0.001	86.01	0.05	0.05	0.00
16.15	0.04	0.001	86.01	0.05	0.05	0.00
16.20	0.04	0.001	86.01	0.05	0.05	0.00
16.25	0.04	0.001	86.01	0.05	0.05	0.00
16.30	0.04	0.001	86.01	0.04	0.04	0.00
16.35	0.04	0.001	86.01	0.04	0.04	0.00
16.40	0.04	0.001	86.01	0.04	0.04	0.00
16.45	0.04	0.001	86.01	0.04	0.04	0.00
16.50	0.04	0.001	86.01	0.04	0.04	0.00
16.55	0.04	0.001	86.01	0.04	0.04	0.00
16.60	0.04	0.001	86.01	0.04	0.04	0.00
16.65	0.04	0.001	86.01	0.04	0.04	0.00
16.70	0.04	0.001	86.00	0.04	0.04	0.00
16.75	0.04	0.001	86.00	0.04	0.04	0.00
16.80	0.04	0.001	86.00	0.04	0.04	0.00
16.85	0.04	0.001	86.00	0.04	0.04	0.00
16.90	0.04	0.001	86.00	0.04	0.04	0.00
16.95	0.04	0.001	86.00	0.04	0.04	0.00
17.00	0.04	0.001	86.00	0.04	0.04	0.00
17.05	0.04	0.001	86.00	0.04	0.04	0.00
17.10	0.04	0.001	86.00	0.04	0.04	0.00
17.15	0.04	0.001	86.00	0.04	0.04	0.00
17.20	0.04	0.001	86.00	0.04	0.04	0.00
17.25	0.04	0.001	86.00	0.04	0.04	0.00
17.30	0.04	0.001	86.00	0.04	0.04	0.00
17.35	0.04	0.001	86.00	0.04	0.04	0.00
17.40	0.04	0.001	86.00	0.04	0.04	0.00
17.45	0.04	0.001	86.00	0.04	0.04	0.00
17.50	0.03	0.001	86.00	0.04	0.04	0.00
17.55	0.03	0.001	86.00	0.04	0.04	0.00
17.60	0.03	0.001	86.00	0.04	0.04	0.00
17.65	0.03	0.001	86.00	0.04	0.04	0.00
17.70	0.03	0.001	86.00	0.04	0.04	0.00
17.75	0.03	0.001	86.00	0.04	0.04	0.00
17.80	0.03	0.001	86.00	0.04	0.04	0.00
17.85	0.03	0.001	86.00	0.03	0.03	0.00
17.90	0.03	0.001	86.00	0.03	0.03	0.00
17.95	0.03	0.001	86.00	0.03	0.03	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.03	0.001	86.00	0.03	0.03	0.00
18.05	0.03	0.001	86.00	0.03	0.03	0.00
18.10	0.03	0.001	86.00	0.03	0.03	0.00
18.15	0.03	0.001	86.00	0.03	0.03	0.00
18.20	0.03	0.001	86.00	0.03	0.03	0.00
18.25	0.03	0.001	86.00	0.03	0.03	0.00
18.30	0.03	0.001	86.00	0.03	0.03	0.00
18.35	0.03	0.001	86.00	0.03	0.03	0.00
18.40	0.03	0.001	86.00	0.03	0.03	0.00
18.45	0.03	0.001	86.00	0.03	0.03	0.00
18.50	0.03	0.001	86.00	0.03	0.03	0.00
18.55	0.03	0.001	86.00	0.03	0.03	0.00
18.60	0.03	0.001	86.00	0.03	0.03	0.00
18.65	0.03	0.001	86.00	0.03	0.03	0.00
18.70	0.03	0.001	86.00	0.03	0.03	0.00
18.75	0.03	0.001	86.00	0.03	0.03	0.00
18.80	0.03	0.001	86.00	0.03	0.03	0.00
18.85	0.03	0.001	86.00	0.03	0.03	0.00
18.90	0.03	0.001	86.00	0.03	0.03	0.00
18.95	0.03	0.001	86.00	0.03	0.03	0.00
19.00	0.03	0.001	86.00	0.03	0.03	0.00
19.05	0.03	0.001	86.00	0.03	0.03	0.00
19.10	0.03	0.001	86.00	0.03	0.03	0.00
19.15	0.03	0.001	86.00	0.03	0.03	0.00
19.20	0.03	0.001	86.00	0.03	0.03	0.00
19.25	0.03	0.001	86.00	0.03	0.03	0.00
19.30	0.03	0.001	86.00	0.03	0.03	0.00
19.35	0.03	0.001	86.00	0.03	0.03	0.00
19.40	0.03	0.001	86.00	0.03	0.03	0.00
19.45	0.03	0.001	86.00	0.03	0.03	0.00
19.50	0.03	0.001	86.00	0.03	0.03	0.00
19.55	0.03	0.001	86.00	0.03	0.03	0.00
19.60	0.03	0.001	86.00	0.03	0.03	0.00
19.65	0.03	0.001	86.00	0.03	0.03	0.00
19.70	0.03	0.001	86.00	0.03	0.03	0.00
19.75	0.03	0.001	86.00	0.03	0.03	0.00
19.80	0.03	0.001	86.00	0.03	0.03	0.00
19.85	0.03	0.001	86.00	0.03	0.03	0.00
19.90	0.03	0.001	86.00	0.03	0.03	0.00
19.95	0.03	0.001	86.00	0.03	0.03	0.00
20.00	0.03	0.001	86.00	0.03	0.03	0.00
20.05	0.03	0.001	86.00	0.03	0.03	0.00
20.10	0.03	0.001	86.00	0.03	0.03	0.00
20.15	0.03	0.001	86.00	0.03	0.03	0.00
20.20	0.03	0.001	86.00	0.03	0.03	0.00
20.25	0.03	0.001	86.00	0.03	0.03	0.00
20.30	0.03	0.001	86.00	0.03	0.03	0.00
20.35	0.03	0.001	86.00	0.03	0.03	0.00
20.40	0.03	0.001	86.00	0.03	0.03	0.00
20.45	0.03	0.001	86.00	0.03	0.03	0.00
20.50	0.03	0.001	86.00	0.03	0.03	0.00
20.55	0.03	0.001	86.00	0.03	0.03	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.03	0.001	86.00	0.03	0.03	0.00
20.65	0.03	0.001	86.00	0.03	0.03	0.00
20.70	0.03	0.001	86.00	0.03	0.03	0.00
20.75	0.03	0.001	86.00	0.03	0.03	0.00
20.80	0.03	0.001	86.00	0.03	0.03	0.00
20.85	0.03	0.001	86.00	0.03	0.03	0.00
20.90	0.03	0.001	86.00	0.03	0.03	0.00
20.95	0.03	0.001	86.00	0.03	0.03	0.00
21.00	0.03	0.001	86.00	0.03	0.03	0.00
21.05	0.03	0.001	86.00	0.03	0.03	0.00
21.10	0.03	0.001	86.00	0.03	0.03	0.00
21.15	0.03	0.001	86.00	0.03	0.03	0.00
21.20	0.03	0.001	86.00	0.03	0.03	0.00
21.25	0.03	0.001	86.00	0.03	0.03	0.00
21.30	0.03	0.001	86.00	0.03	0.03	0.00
21.35	0.03	0.001	86.00	0.03	0.03	0.00
21.40	0.03	0.001	86.00	0.03	0.03	0.00
21.45	0.03	0.001	86.00	0.03	0.03	0.00
21.50	0.02	0.001	86.00	0.03	0.03	0.00
21.55	0.02	0.001	86.00	0.03	0.03	0.00
21.60	0.02	0.001	86.00	0.03	0.03	0.00
21.65	0.02	0.001	86.00	0.03	0.03	0.00
21.70	0.02	0.001	86.00	0.03	0.03	0.00
21.75	0.02	0.001	86.00	0.03	0.03	0.00
21.80	0.02	0.001	86.00	0.03	0.03	0.00
21.85	0.02	0.001	86.00	0.02	0.02	0.00
21.90	0.02	0.001	86.00	0.02	0.02	0.00
21.95	0.02	0.001	86.00	0.02	0.02	0.00
22.00	0.02	0.001	86.00	0.02	0.02	0.00
22.05	0.02	0.001	86.00	0.02	0.02	0.00
22.10	0.02	0.001	86.00	0.02	0.02	0.00
22.15	0.02	0.001	86.00	0.02	0.02	0.00
22.20	0.02	0.001	86.00	0.02	0.02	0.00
22.25	0.02	0.001	86.00	0.02	0.02	0.00
22.30	0.02	0.001	86.00	0.02	0.02	0.00
22.35	0.02	0.001	86.00	0.02	0.02	0.00
22.40	0.02	0.001	86.00	0.02	0.02	0.00
22.45	0.02	0.001	86.00	0.02	0.02	0.00
22.50	0.02	0.001	86.00	0.02	0.02	0.00
22.55	0.02	0.001	86.00	0.02	0.02	0.00
22.60	0.02	0.001	86.00	0.02	0.02	0.00
22.65	0.02	0.001	86.00	0.02	0.02	0.00
22.70	0.02	0.001	86.00	0.02	0.02	0.00
22.75	0.02	0.001	86.00	0.02	0.02	0.00
22.80	0.02	0.001	86.00	0.02	0.02	0.00
22.85	0.02	0.001	86.00	0.02	0.02	0.00
22.90	0.02	0.001	86.00	0.02	0.02	0.00
22.95	0.02	0.001	86.00	0.02	0.02	0.00
23.00	0.02	0.001	86.00	0.02	0.02	0.00
23.05	0.02	0.001	86.00	0.02	0.02	0.00
23.10	0.02	0.001	86.00	0.02	0.02	0.00
23.15	0.02	0.001	86.00	0.02	0.02	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.02	0.001	86.00	0.02	0.02	0.00
23.25	0.02	0.001	86.00	0.02	0.02	0.00
23.30	0.02	0.001	86.00	0.02	0.02	0.00
23.35	0.02	0.001	86.00	0.02	0.02	0.00
23.40	0.02	0.001	86.00	0.02	0.02	0.00
23.45	0.02	0.001	86.00	0.02	0.02	0.00
23.50	0.02	0.001	86.00	0.02	0.02	0.00
23.55	0.02	0.001	86.00	0.02	0.02	0.00
23.60	0.02	0.001	86.00	0.02	0.02	0.00
23.65	0.02	0.001	86.00	0.02	0.02	0.00
23.70	0.02	0.001	86.00	0.02	0.02	0.00
23.75	0.02	0.001	86.00	0.02	0.02	0.00
23.80	0.02	0.001	86.00	0.02	0.02	0.00
23.85	0.02	0.001	86.00	0.02	0.02	0.00
23.90	0.02	0.001	86.00	0.02	0.02	0.00
23.95	0.02	0.001	86.00	0.02	0.02	0.00
24.00	0.02	0.001	86.00	0.02	0.02	0.00
24.05	0.02	0.001	86.00	0.02	0.02	0.00
24.10	0.02	0.001	86.00	0.02	0.02	0.00
24.15	0.01	0.001	86.00	0.02	0.02	0.00
24.20	0.01	0.001	86.00	0.02	0.02	0.00
24.25	0.01	0.001	86.00	0.02	0.02	0.00
24.30	0.01	0.000	86.00	0.02	0.02	0.00
24.35	0.00	0.000	86.00	0.02	0.02	0.00
24.40	0.00	0.000	86.00	0.01	0.01	0.00
24.45	0.00	0.000	86.00	0.01	0.01	0.00
24.50	0.00	0.000	86.00	0.01	0.01	0.00
24.55	0.00	0.000	86.00	0.01	0.01	0.00
24.60	0.00	0.000	86.00	0.01	0.01	0.00
24.65	0.00	0.000	86.00	0.01	0.01	0.00
24.70	0.00	0.000	86.00	0.01	0.01	0.00
24.75	0.00	0.000	86.00	0.01	0.01	0.00
24.80	0.00	0.000	86.00	0.01	0.01	0.00
24.85	0.00	0.000	86.00	0.00	0.00	0.00
24.90	0.00	0.000	86.00	0.00	0.00	0.00
24.95	0.00	0.000	86.00	0.00	0.00	0.00
25.00	0.00	0.000	86.00	0.00	0.00	0.00
25.05	0.00	0.000	86.00	0.00	0.00	0.00
25.10	0.00	0.000	86.00	0.00	0.00	0.00
25.15	0.00	0.000	86.00	0.00	0.00	0.00
25.20	0.00	0.000	86.00	0.00	0.00	0.00
25.25	0.00	0.000	86.00	0.00	0.00	0.00
25.30	0.00	0.000	86.00	0.00	0.00	0.00
25.35	0.00	0.000	86.00	0.00	0.00	0.00
25.40	0.00	0.000	86.00	0.00	0.00	0.00
25.45	0.00	0.000	86.00	0.00	0.00	0.00
25.50	0.00	0.000	86.00	0.00	0.00	0.00
25.55	0.00	0.000	86.00	0.00	0.00	0.00
25.60	0.00	0.000	86.00	0.00	0.00	0.00
25.65	0.00	0.000	86.00	0.00	0.00	0.00
25.70	0.00	0.000	86.00	0.00	0.00	0.00
25.75	0.00	0.000	86.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	86.00	0.00	0.00	0.00
25.85	0.00	0.000	86.00	0.00	0.00	0.00
25.90	0.00	0.000	86.00	0.00	0.00	0.00
25.95	0.00	0.000	86.00	0.00	0.00	0.00
26.00	0.00	0.000	86.00	0.00	0.00	0.00
26.05	0.00	0.000	86.00	0.00	0.00	0.00
26.10	0.00	0.000	86.00	0.00	0.00	0.00
26.15	0.00	0.000	86.00	0.00	0.00	0.00
26.20	0.00	0.000	86.00	0.00	0.00	0.00
26.25	0.00	0.000	86.00	0.00	0.00	0.00
26.30	0.00	0.000	86.00	0.00	0.00	0.00
26.35	0.00	0.000	86.00	0.00	0.00	0.00
26.40	0.00	0.000	86.00	0.00	0.00	0.00
26.45	0.00	0.000	86.00	0.00	0.00	0.00
26.50	0.00	0.000	86.00	0.00	0.00	0.00
26.55	0.00	0.000	86.00	0.00	0.00	0.00
26.60	0.00	0.000	86.00	0.00	0.00	0.00
26.65	0.00	0.000	86.00	0.00	0.00	0.00
26.70	0.00	0.000	86.00	0.00	0.00	0.00
26.75	0.00	0.000	86.00	0.00	0.00	0.00
26.80	0.00	0.000	86.00	0.00	0.00	0.00
26.85	0.00	0.000	86.00	0.00	0.00	0.00
26.90	0.00	0.000	86.00	0.00	0.00	0.00
26.95	0.00	0.000	86.00	0.00	0.00	0.00
27.00	0.00	0.000	86.00	0.00	0.00	0.00
27.05	0.00	0.000	86.00	0.00	0.00	0.00
27.10	0.00	0.000	86.00	0.00	0.00	0.00
27.15	0.00	0.000	86.00	0.00	0.00	0.00
27.20	0.00	0.000	86.00	0.00	0.00	0.00
27.25	0.00	0.000	86.00	0.00	0.00	0.00
27.30	0.00	0.000	86.00	0.00	0.00	0.00
27.35	0.00	0.000	86.00	0.00	0.00	0.00
27.40	0.00	0.000	86.00	0.00	0.00	0.00
27.45	0.00	0.000	86.00	0.00	0.00	0.00
27.50	0.00	0.000	86.00	0.00	0.00	0.00
27.55	0.00	0.000	86.00	0.00	0.00	0.00
27.60	0.00	0.000	86.00	0.00	0.00	0.00
27.65	0.00	0.000	86.00	0.00	0.00	0.00
27.70	0.00	0.000	86.00	0.00	0.00	0.00
27.75	0.00	0.000	86.00	0.00	0.00	0.00
27.80	0.00	0.000	86.00	0.00	0.00	0.00
27.85	0.00	0.000	86.00	0.00	0.00	0.00
27.90	0.00	0.000	86.00	0.00	0.00	0.00
27.95	0.00	0.000	86.00	0.00	0.00	0.00
28.00	0.00	0.000	86.00	0.00	0.00	0.00
28.05	0.00	0.000	86.00	0.00	0.00	0.00
28.10	0.00	0.000	86.00	0.00	0.00	0.00
28.15	0.00	0.000	86.00	0.00	0.00	0.00
28.20	0.00	0.000	86.00	0.00	0.00	0.00
28.25	0.00	0.000	86.00	0.00	0.00	0.00
28.30	0.00	0.000	86.00	0.00	0.00	0.00
28.35	0.00	0.000	86.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 3: Basin 3 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	86.00	0.00	0.00	0.00
28.45	0.00	0.000	86.00	0.00	0.00	0.00
28.50	0.00	0.000	86.00	0.00	0.00	0.00
28.55	0.00	0.000	86.00	0.00	0.00	0.00
28.60	0.00	0.000	86.00	0.00	0.00	0.00
28.65	0.00	0.000	86.00	0.00	0.00	0.00
28.70	0.00	0.000	86.00	0.00	0.00	0.00
28.75	0.00	0.000	86.00	0.00	0.00	0.00
28.80	0.00	0.000	86.00	0.00	0.00	0.00
28.85	0.00	0.000	86.00	0.00	0.00	0.00
28.90	0.00	0.000	86.00	0.00	0.00	0.00
28.95	0.00	0.000	86.00	0.00	0.00	0.00
29.00	0.00	0.000	86.00	0.00	0.00	0.00
29.05	0.00	0.000	86.00	0.00	0.00	0.00
29.10	0.00	0.000	86.00	0.00	0.00	0.00
29.15	0.00	0.000	86.00	0.00	0.00	0.00
29.20	0.00	0.000	86.00	0.00	0.00	0.00
29.25	0.00	0.000	86.00	0.00	0.00	0.00
29.30	0.00	0.000	86.00	0.00	0.00	0.00
29.35	0.00	0.000	86.00	0.00	0.00	0.00
29.40	0.00	0.000	86.00	0.00	0.00	0.00
29.45	0.00	0.000	86.00	0.00	0.00	0.00
29.50	0.00	0.000	86.00	0.00	0.00	0.00
29.55	0.00	0.000	86.00	0.00	0.00	0.00
29.60	0.00	0.000	86.00	0.00	0.00	0.00
29.65	0.00	0.000	86.00	0.00	0.00	0.00
29.70	0.00	0.000	86.00	0.00	0.00	0.00
29.75	0.00	0.000	86.00	0.00	0.00	0.00
29.80	0.00	0.000	86.00	0.00	0.00	0.00
29.85	0.00	0.000	86.00	0.00	0.00	0.00
29.90	0.00	0.000	86.00	0.00	0.00	0.00
29.95	0.00	0.000	86.00	0.00	0.00	0.00
30.00	0.00	0.000	86.00	0.00	0.00	0.00

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Summary for Pond Basin 4 & 5: Basin 4 & 5

Inflow Area = 4.200 ac, 26.19% Impervious, Inflow Depth > 0.27" for WQ storm event
 Inflow = 0.75 cfs @ 12.19 hrs, Volume= 0.094 af
 Outflow = 0.21 cfs @ 12.77 hrs, Volume= 0.094 af, Atten= 73%, Lag= 34.9 min
 Discarded = 0.21 cfs @ 12.77 hrs, Volume= 0.094 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 88.21' @ 12.77 hrs Surf.Area= 0.093 ac Storage= 0.023 af

Plug-Flow detention time= 44.8 min calculated for 0.094 af (100% of inflow)
 Center-of-Mass det. time= 44.3 min (851.3 - 807.0)

Volume	Invert	Avail.Storage	Storage Description
#1	88.00'	1.690 af	Rain Garden Basin 4 & 5 (Prismatic) Listed below

Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
88.00	0.080	0.000	0.000
89.00	0.140	0.110	0.110
90.00	0.210	0.175	0.285
91.00	0.280	0.245	0.530
92.00	0.350	0.315	0.845
93.00	0.420	0.385	1.230
94.00	0.500	0.460	1.690

Device	Routing	Invert	Outlet Devices
#1	Discarded	88.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 86.00'
#2	Primary	89.50'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	91.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.21 cfs @ 12.77 hrs HW=88.21' (Free Discharge)

↑1=Exfiltration (Controls 0.21 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=88.00' (Free Discharge)

↑2=Orifice/Grate (Controls 0.00 cfs)

↑3=Orifice/Grate (Controls 0.00 cfs)

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NRCC 24-hr D WQ storm Rainfall=1.25"

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.01	0.000	88.00	0.00	0.00	0.00
5.05	0.01	0.000	88.00	0.00	0.00	0.00
5.10	0.01	0.000	88.00	0.00	0.00	0.00
5.15	0.01	0.000	88.00	0.00	0.00	0.00
5.20	0.01	0.000	88.00	0.00	0.00	0.00
5.25	0.01	0.000	88.00	0.00	0.00	0.00
5.30	0.01	0.000	88.00	0.01	0.01	0.00
5.35	0.01	0.000	88.00	0.01	0.01	0.00
5.40	0.01	0.000	88.00	0.01	0.01	0.00
5.45	0.01	0.000	88.00	0.01	0.01	0.00
5.50	0.01	0.000	88.00	0.01	0.01	0.00
5.55	0.01	0.000	88.00	0.01	0.01	0.00
5.60	0.01	0.000	88.00	0.01	0.01	0.00
5.65	0.01	0.000	88.00	0.01	0.01	0.00
5.70	0.01	0.000	88.00	0.01	0.01	0.00
5.75	0.01	0.000	88.00	0.01	0.01	0.00
5.80	0.01	0.000	88.00	0.01	0.01	0.00
5.85	0.01	0.000	88.00	0.01	0.01	0.00
5.90	0.01	0.000	88.00	0.01	0.01	0.00
5.95	0.01	0.000	88.00	0.01	0.01	0.00
6.00	0.01	0.000	88.00	0.01	0.01	0.00
6.05	0.01	0.000	88.00	0.01	0.01	0.00
6.10	0.01	0.000	88.00	0.01	0.01	0.00
6.15	0.01	0.000	88.00	0.01	0.01	0.00
6.20	0.01	0.000	88.00	0.01	0.01	0.00
6.25	0.01	0.000	88.00	0.01	0.01	0.00
6.30	0.01	0.000	88.00	0.01	0.01	0.00
6.35	0.02	0.000	88.00	0.01	0.01	0.00
6.40	0.02	0.000	88.00	0.01	0.01	0.00
6.45	0.02	0.001	88.00	0.01	0.01	0.00
6.50	0.02	0.001	88.00	0.01	0.01	0.00
6.55	0.02	0.001	88.00	0.01	0.01	0.00
6.60	0.02	0.001	88.00	0.01	0.01	0.00
6.65	0.02	0.001	88.00	0.01	0.01	0.00
6.70	0.02	0.001	88.01	0.01	0.01	0.00
6.75	0.02	0.001	88.01	0.01	0.01	0.00
6.80	0.02	0.001	88.01	0.02	0.02	0.00
6.85	0.02	0.001	88.01	0.02	0.02	0.00
6.90	0.02	0.001	88.01	0.02	0.02	0.00
6.95	0.02	0.001	88.01	0.02	0.02	0.00
7.00	0.02	0.001	88.01	0.02	0.02	0.00
7.05	0.02	0.001	88.01	0.02	0.02	0.00
7.10	0.02	0.001	88.01	0.02	0.02	0.00
7.15	0.02	0.001	88.01	0.02	0.02	0.00
7.20	0.02	0.001	88.01	0.02	0.02	0.00
7.25	0.02	0.001	88.01	0.02	0.02	0.00
7.30	0.02	0.001	88.01	0.02	0.02	0.00
7.35	0.02	0.001	88.01	0.02	0.02	0.00
7.40	0.02	0.001	88.01	0.02	0.02	0.00
7.45	0.02	0.001	88.01	0.02	0.02	0.00
7.50	0.02	0.001	88.01	0.02	0.02	0.00
7.55	0.02	0.001	88.01	0.02	0.02	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.02	0.001	88.01	0.02	0.02	0.00
7.65	0.02	0.001	88.01	0.02	0.02	0.00
7.70	0.02	0.001	88.01	0.02	0.02	0.00
7.75	0.02	0.001	88.01	0.02	0.02	0.00
7.80	0.02	0.001	88.01	0.02	0.02	0.00
7.85	0.02	0.001	88.01	0.02	0.02	0.00
7.90	0.02	0.001	88.01	0.02	0.02	0.00
7.95	0.02	0.001	88.01	0.02	0.02	0.00
8.00	0.03	0.001	88.01	0.02	0.02	0.00
8.05	0.03	0.001	88.01	0.02	0.02	0.00
8.10	0.03	0.001	88.01	0.02	0.02	0.00
8.15	0.03	0.001	88.01	0.02	0.02	0.00
8.20	0.03	0.001	88.01	0.02	0.02	0.00
8.25	0.03	0.001	88.01	0.02	0.02	0.00
8.30	0.03	0.001	88.01	0.02	0.02	0.00
8.35	0.03	0.001	88.01	0.02	0.02	0.00
8.40	0.03	0.001	88.01	0.02	0.02	0.00
8.45	0.03	0.001	88.01	0.03	0.03	0.00
8.50	0.03	0.001	88.01	0.03	0.03	0.00
8.55	0.03	0.001	88.01	0.03	0.03	0.00
8.60	0.03	0.001	88.01	0.03	0.03	0.00
8.65	0.03	0.001	88.01	0.03	0.03	0.00
8.70	0.03	0.001	88.01	0.03	0.03	0.00
8.75	0.03	0.001	88.01	0.03	0.03	0.00
8.80	0.03	0.001	88.01	0.03	0.03	0.00
8.85	0.03	0.001	88.01	0.03	0.03	0.00
8.90	0.03	0.001	88.01	0.03	0.03	0.00
8.95	0.03	0.001	88.01	0.03	0.03	0.00
9.00	0.03	0.001	88.01	0.03	0.03	0.00
9.05	0.03	0.001	88.01	0.03	0.03	0.00
9.10	0.03	0.001	88.01	0.03	0.03	0.00
9.15	0.03	0.001	88.01	0.03	0.03	0.00
9.20	0.03	0.001	88.01	0.03	0.03	0.00
9.25	0.03	0.001	88.01	0.03	0.03	0.00
9.30	0.04	0.001	88.01	0.03	0.03	0.00
9.35	0.04	0.001	88.01	0.03	0.03	0.00
9.40	0.04	0.001	88.01	0.03	0.03	0.00
9.45	0.04	0.001	88.01	0.03	0.03	0.00
9.50	0.04	0.001	88.01	0.03	0.03	0.00
9.55	0.04	0.001	88.01	0.03	0.03	0.00
9.60	0.04	0.001	88.01	0.03	0.03	0.00
9.65	0.04	0.001	88.01	0.03	0.03	0.00
9.70	0.04	0.001	88.01	0.04	0.04	0.00
9.75	0.04	0.001	88.01	0.04	0.04	0.00
9.80	0.04	0.001	88.01	0.04	0.04	0.00
9.85	0.04	0.001	88.01	0.04	0.04	0.00
9.90	0.05	0.001	88.01	0.04	0.04	0.00
9.95	0.05	0.001	88.01	0.04	0.04	0.00
10.00	0.05	0.002	88.01	0.04	0.04	0.00
10.05	0.05	0.002	88.01	0.04	0.04	0.00
10.10	0.05	0.002	88.01	0.04	0.04	0.00
10.15	0.05	0.002	88.01	0.04	0.04	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.05	0.002	88.01	0.04	0.04	0.00
10.25	0.05	0.002	88.02	0.04	0.04	0.00
10.30	0.05	0.002	88.02	0.05	0.05	0.00
10.35	0.05	0.002	88.02	0.05	0.05	0.00
10.40	0.05	0.002	88.02	0.05	0.05	0.00
10.45	0.06	0.002	88.02	0.05	0.05	0.00
10.50	0.06	0.002	88.02	0.05	0.05	0.00
10.55	0.06	0.002	88.02	0.05	0.05	0.00
10.60	0.06	0.002	88.02	0.05	0.05	0.00
10.65	0.06	0.002	88.02	0.05	0.05	0.00
10.70	0.06	0.002	88.02	0.05	0.05	0.00
10.75	0.07	0.002	88.02	0.05	0.05	0.00
10.80	0.07	0.002	88.02	0.06	0.06	0.00
10.85	0.07	0.002	88.02	0.06	0.06	0.00
10.90	0.07	0.002	88.02	0.06	0.06	0.00
10.95	0.08	0.002	88.02	0.06	0.06	0.00
11.00	0.08	0.002	88.02	0.06	0.06	0.00
11.05	0.08	0.002	88.02	0.06	0.06	0.00
11.10	0.09	0.002	88.02	0.07	0.07	0.00
11.15	0.09	0.003	88.02	0.07	0.07	0.00
11.20	0.09	0.003	88.02	0.07	0.07	0.00
11.25	0.10	0.003	88.03	0.07	0.07	0.00
11.30	0.10	0.003	88.03	0.08	0.08	0.00
11.35	0.11	0.003	88.03	0.08	0.08	0.00
11.40	0.11	0.003	88.03	0.08	0.08	0.00
11.45	0.12	0.003	88.03	0.09	0.09	0.00
11.50	0.12	0.003	88.03	0.09	0.09	0.00
11.55	0.13	0.004	88.03	0.09	0.09	0.00
11.60	0.14	0.004	88.03	0.10	0.10	0.00
11.65	0.15	0.004	88.03	0.10	0.10	0.00
11.70	0.16	0.004	88.04	0.11	0.11	0.00
11.75	0.17	0.004	88.04	0.11	0.11	0.00
11.80	0.19	0.005	88.04	0.12	0.12	0.00
11.85	0.21	0.005	88.04	0.13	0.13	0.00
11.90	0.24	0.005	88.05	0.14	0.14	0.00
11.95	0.29	0.006	88.05	0.15	0.15	0.00
12.00	0.35	0.006	88.06	0.17	0.17	0.00
12.05	0.45	0.007	88.07	0.17	0.17	0.00
12.10	0.58	0.009	88.08	0.18	0.18	0.00
12.15	0.72	0.011	88.10	0.18	0.18	0.00
12.20	0.75	0.013	88.12	0.19	0.19	0.00
12.25	0.69	0.015	88.14	0.19	0.19	0.00
12.30	0.61	0.017	88.16	0.19	0.19	0.00
12.35	0.54	0.019	88.17	0.20	0.20	0.00
12.40	0.48	0.020	88.18	0.20	0.20	0.00
12.45	0.42	0.021	88.19	0.20	0.20	0.00
12.50	0.37	0.022	88.20	0.20	0.20	0.00
12.55	0.33	0.022	88.20	0.20	0.20	0.00
12.60	0.30	0.023	88.21	0.20	0.20	0.00
12.65	0.27	0.023	88.21	0.20	0.20	0.00
12.70	0.24	0.023	88.21	0.21	0.21	0.00
12.75	0.21	0.023	88.21	0.21	0.21	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.19	0.023	88.21	0.21	0.21	0.00
12.85	0.18	0.023	88.21	0.21	0.21	0.00
12.90	0.17	0.023	88.21	0.20	0.20	0.00
12.95	0.16	0.023	88.21	0.20	0.20	0.00
13.00	0.15	0.023	88.21	0.20	0.20	0.00
13.05	0.14	0.023	88.21	0.20	0.20	0.00
13.10	0.13	0.022	88.20	0.20	0.20	0.00
13.15	0.12	0.022	88.20	0.20	0.20	0.00
13.20	0.12	0.022	88.20	0.20	0.20	0.00
13.25	0.11	0.021	88.19	0.20	0.20	0.00
13.30	0.11	0.021	88.19	0.20	0.20	0.00
13.35	0.10	0.021	88.19	0.20	0.20	0.00
13.40	0.10	0.020	88.18	0.20	0.20	0.00
13.45	0.10	0.020	88.18	0.20	0.20	0.00
13.50	0.09	0.019	88.18	0.20	0.20	0.00
13.55	0.09	0.019	88.17	0.20	0.20	0.00
13.60	0.09	0.018	88.17	0.20	0.20	0.00
13.65	0.08	0.018	88.16	0.19	0.19	0.00
13.70	0.08	0.018	88.16	0.19	0.19	0.00
13.75	0.08	0.017	88.15	0.19	0.19	0.00
13.80	0.08	0.017	88.15	0.19	0.19	0.00
13.85	0.07	0.016	88.15	0.19	0.19	0.00
13.90	0.07	0.016	88.14	0.19	0.19	0.00
13.95	0.07	0.015	88.14	0.19	0.19	0.00
14.00	0.07	0.015	88.13	0.19	0.19	0.00
14.05	0.07	0.014	88.13	0.19	0.19	0.00
14.10	0.07	0.014	88.12	0.19	0.19	0.00
14.15	0.07	0.013	88.12	0.19	0.19	0.00
14.20	0.07	0.013	88.11	0.18	0.18	0.00
14.25	0.06	0.012	88.11	0.18	0.18	0.00
14.30	0.06	0.012	88.11	0.18	0.18	0.00
14.35	0.06	0.011	88.10	0.18	0.18	0.00
14.40	0.06	0.011	88.10	0.18	0.18	0.00
14.45	0.06	0.010	88.09	0.18	0.18	0.00
14.50	0.06	0.010	88.09	0.18	0.18	0.00
14.55	0.06	0.009	88.08	0.18	0.18	0.00
14.60	0.06	0.009	88.08	0.18	0.18	0.00
14.65	0.06	0.008	88.07	0.18	0.18	0.00
14.70	0.06	0.008	88.07	0.18	0.18	0.00
14.75	0.05	0.007	88.07	0.17	0.17	0.00
14.80	0.05	0.007	88.06	0.17	0.17	0.00
14.85	0.05	0.006	88.06	0.16	0.16	0.00
14.90	0.05	0.006	88.05	0.15	0.15	0.00
14.95	0.05	0.005	88.05	0.14	0.14	0.00
15.00	0.05	0.005	88.05	0.13	0.13	0.00
15.05	0.05	0.005	88.04	0.12	0.12	0.00
15.10	0.05	0.004	88.04	0.12	0.12	0.00
15.15	0.05	0.004	88.04	0.11	0.11	0.00
15.20	0.05	0.004	88.04	0.10	0.10	0.00
15.25	0.05	0.004	88.03	0.10	0.10	0.00
15.30	0.05	0.003	88.03	0.09	0.09	0.00
15.35	0.04	0.003	88.03	0.09	0.09	0.00

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NRCC 24-hr D WQ storm Rainfall=1.25"

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.04	0.003	88.03	0.08	0.08	0.00
15.45	0.04	0.003	88.03	0.08	0.08	0.00
15.50	0.04	0.003	88.03	0.07	0.07	0.00
15.55	0.04	0.003	88.02	0.07	0.07	0.00
15.60	0.04	0.003	88.02	0.07	0.07	0.00
15.65	0.04	0.003	88.02	0.07	0.07	0.00
15.70	0.04	0.002	88.02	0.06	0.06	0.00
15.75	0.04	0.002	88.02	0.06	0.06	0.00
15.80	0.04	0.002	88.02	0.06	0.06	0.00
15.85	0.04	0.002	88.02	0.06	0.06	0.00
15.90	0.04	0.002	88.02	0.06	0.06	0.00
15.95	0.04	0.002	88.02	0.05	0.05	0.00
16.00	0.04	0.002	88.02	0.05	0.05	0.00
16.05	0.04	0.002	88.02	0.05	0.05	0.00
16.10	0.04	0.002	88.02	0.05	0.05	0.00
16.15	0.04	0.002	88.02	0.05	0.05	0.00
16.20	0.04	0.002	88.02	0.05	0.05	0.00
16.25	0.04	0.002	88.02	0.05	0.05	0.00
16.30	0.04	0.002	88.02	0.05	0.05	0.00
16.35	0.04	0.002	88.02	0.05	0.05	0.00
16.40	0.04	0.002	88.02	0.04	0.04	0.00
16.45	0.04	0.002	88.02	0.04	0.04	0.00
16.50	0.04	0.002	88.02	0.04	0.04	0.00
16.55	0.04	0.002	88.01	0.04	0.04	0.00
16.60	0.04	0.002	88.01	0.04	0.04	0.00
16.65	0.04	0.002	88.01	0.04	0.04	0.00
16.70	0.04	0.002	88.01	0.04	0.04	0.00
16.75	0.04	0.002	88.01	0.04	0.04	0.00
16.80	0.04	0.002	88.01	0.04	0.04	0.00
16.85	0.04	0.002	88.01	0.04	0.04	0.00
16.90	0.04	0.001	88.01	0.04	0.04	0.00
16.95	0.04	0.001	88.01	0.04	0.04	0.00
17.00	0.03	0.001	88.01	0.04	0.04	0.00
17.05	0.03	0.001	88.01	0.04	0.04	0.00
17.10	0.03	0.001	88.01	0.04	0.04	0.00
17.15	0.03	0.001	88.01	0.04	0.04	0.00
17.20	0.03	0.001	88.01	0.04	0.04	0.00
17.25	0.03	0.001	88.01	0.04	0.04	0.00
17.30	0.03	0.001	88.01	0.04	0.04	0.00
17.35	0.03	0.001	88.01	0.04	0.04	0.00
17.40	0.03	0.001	88.01	0.04	0.04	0.00
17.45	0.03	0.001	88.01	0.04	0.04	0.00
17.50	0.03	0.001	88.01	0.03	0.03	0.00
17.55	0.03	0.001	88.01	0.03	0.03	0.00
17.60	0.03	0.001	88.01	0.03	0.03	0.00
17.65	0.03	0.001	88.01	0.03	0.03	0.00
17.70	0.03	0.001	88.01	0.03	0.03	0.00
17.75	0.03	0.001	88.01	0.03	0.03	0.00
17.80	0.03	0.001	88.01	0.03	0.03	0.00
17.85	0.03	0.001	88.01	0.03	0.03	0.00
17.90	0.03	0.001	88.01	0.03	0.03	0.00
17.95	0.03	0.001	88.01	0.03	0.03	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.03	0.001	88.01	0.03	0.03	0.00
18.05	0.03	0.001	88.01	0.03	0.03	0.00
18.10	0.03	0.001	88.01	0.03	0.03	0.00
18.15	0.03	0.001	88.01	0.03	0.03	0.00
18.20	0.03	0.001	88.01	0.03	0.03	0.00
18.25	0.03	0.001	88.01	0.03	0.03	0.00
18.30	0.03	0.001	88.01	0.03	0.03	0.00
18.35	0.03	0.001	88.01	0.03	0.03	0.00
18.40	0.03	0.001	88.01	0.03	0.03	0.00
18.45	0.03	0.001	88.01	0.03	0.03	0.00
18.50	0.03	0.001	88.01	0.03	0.03	0.00
18.55	0.03	0.001	88.01	0.03	0.03	0.00
18.60	0.03	0.001	88.01	0.03	0.03	0.00
18.65	0.03	0.001	88.01	0.03	0.03	0.00
18.70	0.03	0.001	88.01	0.03	0.03	0.00
18.75	0.03	0.001	88.01	0.03	0.03	0.00
18.80	0.03	0.001	88.01	0.03	0.03	0.00
18.85	0.03	0.001	88.01	0.03	0.03	0.00
18.90	0.03	0.001	88.01	0.03	0.03	0.00
18.95	0.03	0.001	88.01	0.03	0.03	0.00
19.00	0.03	0.001	88.01	0.03	0.03	0.00
19.05	0.03	0.001	88.01	0.03	0.03	0.00
19.10	0.03	0.001	88.01	0.03	0.03	0.00
19.15	0.03	0.001	88.01	0.03	0.03	0.00
19.20	0.03	0.001	88.01	0.03	0.03	0.00
19.25	0.03	0.001	88.01	0.03	0.03	0.00
19.30	0.03	0.001	88.01	0.03	0.03	0.00
19.35	0.03	0.001	88.01	0.03	0.03	0.00
19.40	0.03	0.001	88.01	0.03	0.03	0.00
19.45	0.03	0.001	88.01	0.03	0.03	0.00
19.50	0.03	0.001	88.01	0.03	0.03	0.00
19.55	0.03	0.001	88.01	0.03	0.03	0.00
19.60	0.03	0.001	88.01	0.03	0.03	0.00
19.65	0.03	0.001	88.01	0.03	0.03	0.00
19.70	0.03	0.001	88.01	0.03	0.03	0.00
19.75	0.03	0.001	88.01	0.03	0.03	0.00
19.80	0.03	0.001	88.01	0.03	0.03	0.00
19.85	0.03	0.001	88.01	0.03	0.03	0.00
19.90	0.03	0.001	88.01	0.03	0.03	0.00
19.95	0.03	0.001	88.01	0.03	0.03	0.00
20.00	0.03	0.001	88.01	0.03	0.03	0.00
20.05	0.02	0.001	88.01	0.03	0.03	0.00
20.10	0.02	0.001	88.01	0.03	0.03	0.00
20.15	0.02	0.001	88.01	0.03	0.03	0.00
20.20	0.02	0.001	88.01	0.03	0.03	0.00
20.25	0.02	0.001	88.01	0.03	0.03	0.00
20.30	0.02	0.001	88.01	0.03	0.03	0.00
20.35	0.02	0.001	88.01	0.03	0.03	0.00
20.40	0.02	0.001	88.01	0.03	0.03	0.00
20.45	0.02	0.001	88.01	0.03	0.03	0.00
20.50	0.02	0.001	88.01	0.02	0.02	0.00
20.55	0.02	0.001	88.01	0.02	0.02	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.02	0.001	88.01	0.02	0.02	0.00
20.65	0.02	0.001	88.01	0.02	0.02	0.00
20.70	0.02	0.001	88.01	0.02	0.02	0.00
20.75	0.02	0.001	88.01	0.02	0.02	0.00
20.80	0.02	0.001	88.01	0.02	0.02	0.00
20.85	0.02	0.001	88.01	0.02	0.02	0.00
20.90	0.02	0.001	88.01	0.02	0.02	0.00
20.95	0.02	0.001	88.01	0.02	0.02	0.00
21.00	0.02	0.001	88.01	0.02	0.02	0.00
21.05	0.02	0.001	88.01	0.02	0.02	0.00
21.10	0.02	0.001	88.01	0.02	0.02	0.00
21.15	0.02	0.001	88.01	0.02	0.02	0.00
21.20	0.02	0.001	88.01	0.02	0.02	0.00
21.25	0.02	0.001	88.01	0.02	0.02	0.00
21.30	0.02	0.001	88.01	0.02	0.02	0.00
21.35	0.02	0.001	88.01	0.02	0.02	0.00
21.40	0.02	0.001	88.01	0.02	0.02	0.00
21.45	0.02	0.001	88.01	0.02	0.02	0.00
21.50	0.02	0.001	88.01	0.02	0.02	0.00
21.55	0.02	0.001	88.01	0.02	0.02	0.00
21.60	0.02	0.001	88.01	0.02	0.02	0.00
21.65	0.02	0.001	88.01	0.02	0.02	0.00
21.70	0.02	0.001	88.01	0.02	0.02	0.00
21.75	0.02	0.001	88.01	0.02	0.02	0.00
21.80	0.02	0.001	88.01	0.02	0.02	0.00
21.85	0.02	0.001	88.01	0.02	0.02	0.00
21.90	0.02	0.001	88.01	0.02	0.02	0.00
21.95	0.02	0.001	88.01	0.02	0.02	0.00
22.00	0.02	0.001	88.01	0.02	0.02	0.00
22.05	0.02	0.001	88.01	0.02	0.02	0.00
22.10	0.02	0.001	88.01	0.02	0.02	0.00
22.15	0.02	0.001	88.01	0.02	0.02	0.00
22.20	0.02	0.001	88.01	0.02	0.02	0.00
22.25	0.02	0.001	88.01	0.02	0.02	0.00
22.30	0.02	0.001	88.01	0.02	0.02	0.00
22.35	0.02	0.001	88.01	0.02	0.02	0.00
22.40	0.02	0.001	88.01	0.02	0.02	0.00
22.45	0.02	0.001	88.01	0.02	0.02	0.00
22.50	0.02	0.001	88.01	0.02	0.02	0.00
22.55	0.02	0.001	88.01	0.02	0.02	0.00
22.60	0.02	0.001	88.01	0.02	0.02	0.00
22.65	0.02	0.001	88.01	0.02	0.02	0.00
22.70	0.02	0.001	88.01	0.02	0.02	0.00
22.75	0.02	0.001	88.01	0.02	0.02	0.00
22.80	0.02	0.001	88.01	0.02	0.02	0.00
22.85	0.02	0.001	88.01	0.02	0.02	0.00
22.90	0.02	0.001	88.01	0.02	0.02	0.00
22.95	0.02	0.001	88.01	0.02	0.02	0.00
23.00	0.02	0.001	88.01	0.02	0.02	0.00
23.05	0.02	0.001	88.01	0.02	0.02	0.00
23.10	0.02	0.001	88.01	0.02	0.02	0.00
23.15	0.02	0.001	88.01	0.02	0.02	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.02	0.001	88.01	0.02	0.02	0.00
23.25	0.02	0.001	88.01	0.02	0.02	0.00
23.30	0.02	0.001	88.01	0.02	0.02	0.00
23.35	0.02	0.001	88.01	0.02	0.02	0.00
23.40	0.02	0.001	88.01	0.02	0.02	0.00
23.45	0.02	0.001	88.01	0.02	0.02	0.00
23.50	0.02	0.001	88.01	0.02	0.02	0.00
23.55	0.02	0.001	88.01	0.02	0.02	0.00
23.60	0.02	0.001	88.01	0.02	0.02	0.00
23.65	0.02	0.001	88.01	0.02	0.02	0.00
23.70	0.02	0.001	88.01	0.02	0.02	0.00
23.75	0.02	0.001	88.01	0.02	0.02	0.00
23.80	0.02	0.001	88.01	0.02	0.02	0.00
23.85	0.02	0.001	88.01	0.02	0.02	0.00
23.90	0.02	0.001	88.01	0.02	0.02	0.00
23.95	0.02	0.001	88.01	0.02	0.02	0.00
24.00	0.02	0.001	88.01	0.02	0.02	0.00
24.05	0.02	0.001	88.01	0.02	0.02	0.00
24.10	0.02	0.001	88.01	0.02	0.02	0.00
24.15	0.01	0.001	88.01	0.02	0.02	0.00
24.20	0.01	0.001	88.01	0.02	0.02	0.00
24.25	0.01	0.001	88.01	0.02	0.02	0.00
24.30	0.01	0.001	88.01	0.02	0.02	0.00
24.35	0.00	0.001	88.01	0.02	0.02	0.00
24.40	0.00	0.001	88.00	0.01	0.01	0.00
24.45	0.00	0.000	88.00	0.01	0.01	0.00
24.50	0.00	0.000	88.00	0.01	0.01	0.00
24.55	0.00	0.000	88.00	0.01	0.01	0.00
24.60	0.00	0.000	88.00	0.01	0.01	0.00
24.65	0.00	0.000	88.00	0.01	0.01	0.00
24.70	0.00	0.000	88.00	0.01	0.01	0.00
24.75	0.00	0.000	88.00	0.01	0.01	0.00
24.80	0.00	0.000	88.00	0.01	0.01	0.00
24.85	0.00	0.000	88.00	0.01	0.01	0.00
24.90	0.00	0.000	88.00	0.01	0.01	0.00
24.95	0.00	0.000	88.00	0.00	0.00	0.00
25.00	0.00	0.000	88.00	0.00	0.00	0.00
25.05	0.00	0.000	88.00	0.00	0.00	0.00
25.10	0.00	0.000	88.00	0.00	0.00	0.00
25.15	0.00	0.000	88.00	0.00	0.00	0.00
25.20	0.00	0.000	88.00	0.00	0.00	0.00
25.25	0.00	0.000	88.00	0.00	0.00	0.00
25.30	0.00	0.000	88.00	0.00	0.00	0.00
25.35	0.00	0.000	88.00	0.00	0.00	0.00
25.40	0.00	0.000	88.00	0.00	0.00	0.00
25.45	0.00	0.000	88.00	0.00	0.00	0.00
25.50	0.00	0.000	88.00	0.00	0.00	0.00
25.55	0.00	0.000	88.00	0.00	0.00	0.00
25.60	0.00	0.000	88.00	0.00	0.00	0.00
25.65	0.00	0.000	88.00	0.00	0.00	0.00
25.70	0.00	0.000	88.00	0.00	0.00	0.00
25.75	0.00	0.000	88.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	88.00	0.00	0.00	0.00
25.85	0.00	0.000	88.00	0.00	0.00	0.00
25.90	0.00	0.000	88.00	0.00	0.00	0.00
25.95	0.00	0.000	88.00	0.00	0.00	0.00
26.00	0.00	0.000	88.00	0.00	0.00	0.00
26.05	0.00	0.000	88.00	0.00	0.00	0.00
26.10	0.00	0.000	88.00	0.00	0.00	0.00
26.15	0.00	0.000	88.00	0.00	0.00	0.00
26.20	0.00	0.000	88.00	0.00	0.00	0.00
26.25	0.00	0.000	88.00	0.00	0.00	0.00
26.30	0.00	0.000	88.00	0.00	0.00	0.00
26.35	0.00	0.000	88.00	0.00	0.00	0.00
26.40	0.00	0.000	88.00	0.00	0.00	0.00
26.45	0.00	0.000	88.00	0.00	0.00	0.00
26.50	0.00	0.000	88.00	0.00	0.00	0.00
26.55	0.00	0.000	88.00	0.00	0.00	0.00
26.60	0.00	0.000	88.00	0.00	0.00	0.00
26.65	0.00	0.000	88.00	0.00	0.00	0.00
26.70	0.00	0.000	88.00	0.00	0.00	0.00
26.75	0.00	0.000	88.00	0.00	0.00	0.00
26.80	0.00	0.000	88.00	0.00	0.00	0.00
26.85	0.00	0.000	88.00	0.00	0.00	0.00
26.90	0.00	0.000	88.00	0.00	0.00	0.00
26.95	0.00	0.000	88.00	0.00	0.00	0.00
27.00	0.00	0.000	88.00	0.00	0.00	0.00
27.05	0.00	0.000	88.00	0.00	0.00	0.00
27.10	0.00	0.000	88.00	0.00	0.00	0.00
27.15	0.00	0.000	88.00	0.00	0.00	0.00
27.20	0.00	0.000	88.00	0.00	0.00	0.00
27.25	0.00	0.000	88.00	0.00	0.00	0.00
27.30	0.00	0.000	88.00	0.00	0.00	0.00
27.35	0.00	0.000	88.00	0.00	0.00	0.00
27.40	0.00	0.000	88.00	0.00	0.00	0.00
27.45	0.00	0.000	88.00	0.00	0.00	0.00
27.50	0.00	0.000	88.00	0.00	0.00	0.00
27.55	0.00	0.000	88.00	0.00	0.00	0.00
27.60	0.00	0.000	88.00	0.00	0.00	0.00
27.65	0.00	0.000	88.00	0.00	0.00	0.00
27.70	0.00	0.000	88.00	0.00	0.00	0.00
27.75	0.00	0.000	88.00	0.00	0.00	0.00
27.80	0.00	0.000	88.00	0.00	0.00	0.00
27.85	0.00	0.000	88.00	0.00	0.00	0.00
27.90	0.00	0.000	88.00	0.00	0.00	0.00
27.95	0.00	0.000	88.00	0.00	0.00	0.00
28.00	0.00	0.000	88.00	0.00	0.00	0.00
28.05	0.00	0.000	88.00	0.00	0.00	0.00
28.10	0.00	0.000	88.00	0.00	0.00	0.00
28.15	0.00	0.000	88.00	0.00	0.00	0.00
28.20	0.00	0.000	88.00	0.00	0.00	0.00
28.25	0.00	0.000	88.00	0.00	0.00	0.00
28.30	0.00	0.000	88.00	0.00	0.00	0.00
28.35	0.00	0.000	88.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 4 & 5: Basin 4 & 5 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	88.00	0.00	0.00	0.00
28.45	0.00	0.000	88.00	0.00	0.00	0.00
28.50	0.00	0.000	88.00	0.00	0.00	0.00
28.55	0.00	0.000	88.00	0.00	0.00	0.00
28.60	0.00	0.000	88.00	0.00	0.00	0.00
28.65	0.00	0.000	88.00	0.00	0.00	0.00
28.70	0.00	0.000	88.00	0.00	0.00	0.00
28.75	0.00	0.000	88.00	0.00	0.00	0.00
28.80	0.00	0.000	88.00	0.00	0.00	0.00
28.85	0.00	0.000	88.00	0.00	0.00	0.00
28.90	0.00	0.000	88.00	0.00	0.00	0.00
28.95	0.00	0.000	88.00	0.00	0.00	0.00
29.00	0.00	0.000	88.00	0.00	0.00	0.00
29.05	0.00	0.000	88.00	0.00	0.00	0.00
29.10	0.00	0.000	88.00	0.00	0.00	0.00
29.15	0.00	0.000	88.00	0.00	0.00	0.00
29.20	0.00	0.000	88.00	0.00	0.00	0.00
29.25	0.00	0.000	88.00	0.00	0.00	0.00
29.30	0.00	0.000	88.00	0.00	0.00	0.00
29.35	0.00	0.000	88.00	0.00	0.00	0.00
29.40	0.00	0.000	88.00	0.00	0.00	0.00
29.45	0.00	0.000	88.00	0.00	0.00	0.00
29.50	0.00	0.000	88.00	0.00	0.00	0.00
29.55	0.00	0.000	88.00	0.00	0.00	0.00
29.60	0.00	0.000	88.00	0.00	0.00	0.00
29.65	0.00	0.000	88.00	0.00	0.00	0.00
29.70	0.00	0.000	88.00	0.00	0.00	0.00
29.75	0.00	0.000	88.00	0.00	0.00	0.00
29.80	0.00	0.000	88.00	0.00	0.00	0.00
29.85	0.00	0.000	88.00	0.00	0.00	0.00
29.90	0.00	0.000	88.00	0.00	0.00	0.00
29.95	0.00	0.000	88.00	0.00	0.00	0.00
30.00	0.00	0.000	88.00	0.00	0.00	0.00

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Summary for Pond Basin 6: Basin 6

Inflow Area = 1.900 ac, 21.05% Impervious, Inflow Depth > 0.22" for WQ storm event
 Inflow = 0.27 cfs @ 12.19 hrs, Volume= 0.034 af
 Outflow = 0.17 cfs @ 12.41 hrs, Volume= 0.034 af, Atten= 37%, Lag= 13.0 min
 Discarded = 0.17 cfs @ 12.41 hrs, Volume= 0.034 af
 Primary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af

Routing by Stor-Ind method, Time Span= 5.00-30.00 hrs, dt= 0.05 hrs
 Peak Elev= 92.02' @ 12.41 hrs Surf.Area= 0.153 ac Storage= 0.005 af

Plug-Flow detention time= 21.0 min calculated for 0.034 af (100% of inflow)
 Center-of-Mass det. time= 20.5 min (827.5 - 807.0)

Volume	Invert	Avail.Storage	Storage Description
#1	92.00'	1.350 af	Rain Garden Basin (Prismatic) Listed below
Elevation (feet)	Surf.Area (acres)	Inc.Store (acre-feet)	Cum.Store (acre-feet)
92.00	0.150	0.000	0.000
93.00	0.300	0.225	0.225
94.00	0.350	0.325	0.550
95.00	0.400	0.375	0.925
96.00	0.450	0.425	1.350

Device	Routing	Invert	Outlet Devices
#1	Discarded	92.00'	2.000 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 89.00'
#2	Primary	93.00'	3.0" Vert. Orifice/Grate C= 0.600
#3	Primary	94.00'	42.0" x 42.0" Horiz. Orifice/Grate C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.31 cfs @ 12.41 hrs HW=92.02' (Free Discharge)
 ↳1=Exfiltration (Controls 0.31 cfs)

Primary OutFlow Max=0.00 cfs @ 5.00 hrs HW=92.00' (Free Discharge)
 ↳2=Orifice/Grate (Controls 0.00 cfs)
 ↳3=Orifice/Grate (Controls 0.00 cfs)

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Hydrograph for Pond Basin 6: Basin 6

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
5.00	0.00	0.000	92.00	0.00	0.00	0.00
5.05	0.00	0.000	92.00	0.00	0.00	0.00
5.10	0.00	0.000	92.00	0.00	0.00	0.00
5.15	0.00	0.000	92.00	0.00	0.00	0.00
5.20	0.00	0.000	92.00	0.00	0.00	0.00
5.25	0.00	0.000	92.00	0.00	0.00	0.00
5.30	0.00	0.000	92.00	0.00	0.00	0.00
5.35	0.00	0.000	92.00	0.00	0.00	0.00
5.40	0.00	0.000	92.00	0.00	0.00	0.00
5.45	0.00	0.000	92.00	0.00	0.00	0.00
5.50	0.00	0.000	92.00	0.00	0.00	0.00
5.55	0.00	0.000	92.00	0.00	0.00	0.00
5.60	0.00	0.000	92.00	0.00	0.00	0.00
5.65	0.00	0.000	92.00	0.00	0.00	0.00
5.70	0.00	0.000	92.00	0.00	0.00	0.00
5.75	0.00	0.000	92.00	0.00	0.00	0.00
5.80	0.00	0.000	92.00	0.00	0.00	0.00
5.85	0.00	0.000	92.00	0.00	0.00	0.00
5.90	0.00	0.000	92.00	0.00	0.00	0.00
5.95	0.00	0.000	92.00	0.00	0.00	0.00
6.00	0.00	0.000	92.00	0.00	0.00	0.00
6.05	0.01	0.000	92.00	0.00	0.00	0.00
6.10	0.01	0.000	92.00	0.00	0.00	0.00
6.15	0.01	0.000	92.00	0.00	0.00	0.00
6.20	0.01	0.000	92.00	0.00	0.00	0.00
6.25	0.01	0.000	92.00	0.00	0.00	0.00
6.30	0.01	0.000	92.00	0.00	0.00	0.00
6.35	0.01	0.000	92.00	0.00	0.00	0.00
6.40	0.01	0.000	92.00	0.01	0.01	0.00
6.45	0.01	0.000	92.00	0.01	0.01	0.00
6.50	0.01	0.000	92.00	0.01	0.01	0.00
6.55	0.01	0.000	92.00	0.01	0.01	0.00
6.60	0.01	0.000	92.00	0.01	0.01	0.00
6.65	0.01	0.000	92.00	0.01	0.01	0.00
6.70	0.01	0.000	92.00	0.01	0.01	0.00
6.75	0.01	0.000	92.00	0.01	0.01	0.00
6.80	0.01	0.000	92.00	0.01	0.01	0.00
6.85	0.01	0.000	92.00	0.01	0.01	0.00
6.90	0.01	0.000	92.00	0.01	0.01	0.00
6.95	0.01	0.000	92.00	0.01	0.01	0.00
7.00	0.01	0.000	92.00	0.01	0.01	0.00
7.05	0.01	0.000	92.00	0.01	0.01	0.00
7.10	0.01	0.000	92.00	0.01	0.01	0.00
7.15	0.01	0.000	92.00	0.01	0.01	0.00
7.20	0.01	0.000	92.00	0.01	0.01	0.00
7.25	0.01	0.000	92.00	0.01	0.01	0.00
7.30	0.01	0.000	92.00	0.01	0.01	0.00
7.35	0.01	0.000	92.00	0.01	0.01	0.00
7.40	0.01	0.000	92.00	0.01	0.01	0.00
7.45	0.01	0.000	92.00	0.01	0.01	0.00
7.50	0.01	0.000	92.00	0.01	0.01	0.00
7.55	0.01	0.000	92.00	0.01	0.01	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
7.60	0.01	0.000	92.00	0.01	0.01	0.00
7.65	0.01	0.000	92.00	0.01	0.01	0.00
7.70	0.01	0.000	92.00	0.01	0.01	0.00
7.75	0.01	0.000	92.00	0.01	0.01	0.00
7.80	0.01	0.000	92.00	0.01	0.01	0.00
7.85	0.01	0.000	92.00	0.01	0.01	0.00
7.90	0.01	0.000	92.00	0.01	0.01	0.00
7.95	0.01	0.000	92.00	0.01	0.01	0.00
8.00	0.01	0.000	92.00	0.01	0.01	0.00
8.05	0.01	0.000	92.00	0.01	0.01	0.00
8.10	0.01	0.000	92.00	0.01	0.01	0.00
8.15	0.01	0.000	92.00	0.01	0.01	0.00
8.20	0.01	0.000	92.00	0.01	0.01	0.00
8.25	0.01	0.000	92.00	0.01	0.01	0.00
8.30	0.01	0.000	92.00	0.01	0.01	0.00
8.35	0.01	0.000	92.00	0.01	0.01	0.00
8.40	0.01	0.000	92.00	0.01	0.01	0.00
8.45	0.01	0.000	92.00	0.01	0.01	0.00
8.50	0.01	0.000	92.00	0.01	0.01	0.00
8.55	0.01	0.000	92.00	0.01	0.01	0.00
8.60	0.01	0.000	92.00	0.01	0.01	0.00
8.65	0.01	0.000	92.00	0.01	0.01	0.00
8.70	0.01	0.000	92.00	0.01	0.01	0.00
8.75	0.01	0.000	92.00	0.01	0.01	0.00
8.80	0.01	0.000	92.00	0.01	0.01	0.00
8.85	0.01	0.000	92.00	0.01	0.01	0.00
8.90	0.01	0.000	92.00	0.01	0.01	0.00
8.95	0.01	0.000	92.00	0.01	0.01	0.00
9.00	0.01	0.000	92.00	0.01	0.01	0.00
9.05	0.01	0.000	92.00	0.01	0.01	0.00
9.10	0.01	0.000	92.00	0.01	0.01	0.00
9.15	0.01	0.000	92.00	0.01	0.01	0.00
9.20	0.01	0.000	92.00	0.01	0.01	0.00
9.25	0.01	0.000	92.00	0.01	0.01	0.00
9.30	0.01	0.000	92.00	0.01	0.01	0.00
9.35	0.01	0.000	92.00	0.01	0.01	0.00
9.40	0.01	0.000	92.00	0.01	0.01	0.00
9.45	0.01	0.000	92.00	0.01	0.01	0.00
9.50	0.01	0.000	92.00	0.01	0.01	0.00
9.55	0.01	0.000	92.00	0.01	0.01	0.00
9.60	0.01	0.000	92.00	0.01	0.01	0.00
9.65	0.01	0.000	92.00	0.01	0.01	0.00
9.70	0.02	0.000	92.00	0.01	0.01	0.00
9.75	0.02	0.000	92.00	0.01	0.01	0.00
9.80	0.02	0.000	92.00	0.01	0.01	0.00
9.85	0.02	0.000	92.00	0.01	0.01	0.00
9.90	0.02	0.000	92.00	0.01	0.01	0.00
9.95	0.02	0.000	92.00	0.01	0.01	0.00
10.00	0.02	0.000	92.00	0.02	0.02	0.00
10.05	0.02	0.000	92.00	0.02	0.02	0.00
10.10	0.02	0.000	92.00	0.02	0.02	0.00
10.15	0.02	0.000	92.00	0.02	0.02	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
10.20	0.02	0.000	92.00	0.02	0.02	0.00
10.25	0.02	0.000	92.00	0.02	0.02	0.00
10.30	0.02	0.000	92.00	0.02	0.02	0.00
10.35	0.02	0.000	92.00	0.02	0.02	0.00
10.40	0.02	0.000	92.00	0.02	0.02	0.00
10.45	0.02	0.001	92.00	0.02	0.02	0.00
10.50	0.02	0.001	92.00	0.02	0.02	0.00
10.55	0.02	0.001	92.00	0.02	0.02	0.00
10.60	0.02	0.001	92.00	0.02	0.02	0.00
10.65	0.02	0.001	92.00	0.02	0.02	0.00
10.70	0.02	0.001	92.00	0.02	0.02	0.00
10.75	0.02	0.001	92.00	0.02	0.02	0.00
10.80	0.02	0.001	92.00	0.02	0.02	0.00
10.85	0.03	0.001	92.00	0.02	0.02	0.00
10.90	0.03	0.001	92.00	0.02	0.02	0.00
10.95	0.03	0.001	92.00	0.02	0.02	0.00
11.00	0.03	0.001	92.00	0.02	0.02	0.00
11.05	0.03	0.001	92.00	0.02	0.02	0.00
11.10	0.03	0.001	92.00	0.03	0.03	0.00
11.15	0.03	0.001	92.00	0.03	0.03	0.00
11.20	0.03	0.001	92.00	0.03	0.03	0.00
11.25	0.04	0.001	92.00	0.03	0.03	0.00
11.30	0.04	0.001	92.00	0.03	0.03	0.00
11.35	0.04	0.001	92.00	0.03	0.03	0.00
11.40	0.04	0.001	92.00	0.03	0.03	0.00
11.45	0.04	0.001	92.00	0.03	0.03	0.00
11.50	0.04	0.001	92.00	0.03	0.03	0.00
11.55	0.05	0.001	92.00	0.04	0.04	0.00
11.60	0.05	0.001	92.00	0.04	0.04	0.00
11.65	0.05	0.001	92.00	0.04	0.04	0.00
11.70	0.06	0.001	92.01	0.04	0.04	0.00
11.75	0.06	0.001	92.01	0.04	0.04	0.00
11.80	0.07	0.001	92.01	0.05	0.05	0.00
11.85	0.08	0.001	92.01	0.05	0.05	0.00
11.90	0.09	0.002	92.01	0.05	0.05	0.00
11.95	0.10	0.002	92.01	0.06	0.06	0.00
12.00	0.13	0.002	92.01	0.07	0.07	0.00
12.05	0.16	0.002	92.01	0.08	0.08	0.00
12.10	0.21	0.003	92.01	0.09	0.09	0.00
12.15	0.26	0.003	92.01	0.11	0.11	0.00
12.20	0.27	0.004	92.02	0.13	0.13	0.00
12.25	0.25	0.004	92.02	0.15	0.15	0.00
12.30	0.22	0.005	92.02	0.16	0.16	0.00
12.35	0.20	0.005	92.02	0.17	0.17	0.00
12.40	0.17	0.005	92.02	0.17	0.17	0.00
12.45	0.15	0.005	92.02	0.17	0.17	0.00
12.50	0.14	0.005	92.02	0.17	0.17	0.00
12.55	0.12	0.005	92.02	0.16	0.16	0.00
12.60	0.11	0.004	92.02	0.16	0.16	0.00
12.65	0.10	0.004	92.02	0.15	0.15	0.00
12.70	0.09	0.004	92.02	0.14	0.14	0.00
12.75	0.08	0.004	92.02	0.13	0.13	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
12.80	0.07	0.004	92.02	0.12	0.12	0.00
12.85	0.07	0.003	92.01	0.12	0.12	0.00
12.90	0.06	0.003	92.01	0.11	0.11	0.00
12.95	0.06	0.003	92.01	0.10	0.10	0.00
13.00	0.05	0.003	92.01	0.10	0.10	0.00
13.05	0.05	0.003	92.01	0.09	0.09	0.00
13.10	0.05	0.002	92.01	0.08	0.08	0.00
13.15	0.05	0.002	92.01	0.08	0.08	0.00
13.20	0.04	0.002	92.01	0.07	0.07	0.00
13.25	0.04	0.002	92.01	0.07	0.07	0.00
13.30	0.04	0.002	92.01	0.07	0.07	0.00
13.35	0.04	0.002	92.01	0.06	0.06	0.00
13.40	0.04	0.002	92.01	0.06	0.06	0.00
13.45	0.04	0.002	92.01	0.06	0.06	0.00
13.50	0.03	0.001	92.01	0.05	0.05	0.00
13.55	0.03	0.001	92.01	0.05	0.05	0.00
13.60	0.03	0.001	92.01	0.05	0.05	0.00
13.65	0.03	0.001	92.01	0.05	0.05	0.00
13.70	0.03	0.001	92.01	0.04	0.04	0.00
13.75	0.03	0.001	92.01	0.04	0.04	0.00
13.80	0.03	0.001	92.00	0.04	0.04	0.00
13.85	0.03	0.001	92.00	0.04	0.04	0.00
13.90	0.03	0.001	92.00	0.04	0.04	0.00
13.95	0.03	0.001	92.00	0.03	0.03	0.00
14.00	0.03	0.001	92.00	0.03	0.03	0.00
14.05	0.02	0.001	92.00	0.03	0.03	0.00
14.10	0.02	0.001	92.00	0.03	0.03	0.00
14.15	0.02	0.001	92.00	0.03	0.03	0.00
14.20	0.02	0.001	92.00	0.03	0.03	0.00
14.25	0.02	0.001	92.00	0.03	0.03	0.00
14.30	0.02	0.001	92.00	0.03	0.03	0.00
14.35	0.02	0.001	92.00	0.03	0.03	0.00
14.40	0.02	0.001	92.00	0.03	0.03	0.00
14.45	0.02	0.001	92.00	0.03	0.03	0.00
14.50	0.02	0.001	92.00	0.03	0.03	0.00
14.55	0.02	0.001	92.00	0.02	0.02	0.00
14.60	0.02	0.001	92.00	0.02	0.02	0.00
14.65	0.02	0.001	92.00	0.02	0.02	0.00
14.70	0.02	0.001	92.00	0.02	0.02	0.00
14.75	0.02	0.001	92.00	0.02	0.02	0.00
14.80	0.02	0.001	92.00	0.02	0.02	0.00
14.85	0.02	0.001	92.00	0.02	0.02	0.00
14.90	0.02	0.001	92.00	0.02	0.02	0.00
14.95	0.02	0.001	92.00	0.02	0.02	0.00
15.00	0.02	0.001	92.00	0.02	0.02	0.00
15.05	0.02	0.001	92.00	0.02	0.02	0.00
15.10	0.02	0.001	92.00	0.02	0.02	0.00
15.15	0.02	0.001	92.00	0.02	0.02	0.00
15.20	0.02	0.001	92.00	0.02	0.02	0.00
15.25	0.02	0.001	92.00	0.02	0.02	0.00
15.30	0.02	0.001	92.00	0.02	0.02	0.00
15.35	0.02	0.001	92.00	0.02	0.02	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
15.40	0.02	0.001	92.00	0.02	0.02	0.00
15.45	0.02	0.001	92.00	0.02	0.02	0.00
15.50	0.02	0.000	92.00	0.02	0.02	0.00
15.55	0.02	0.000	92.00	0.02	0.02	0.00
15.60	0.02	0.000	92.00	0.02	0.02	0.00
15.65	0.02	0.000	92.00	0.02	0.02	0.00
15.70	0.02	0.000	92.00	0.02	0.02	0.00
15.75	0.02	0.000	92.00	0.02	0.02	0.00
15.80	0.02	0.000	92.00	0.02	0.02	0.00
15.85	0.02	0.000	92.00	0.02	0.02	0.00
15.90	0.01	0.000	92.00	0.02	0.02	0.00
15.95	0.01	0.000	92.00	0.02	0.02	0.00
16.00	0.01	0.000	92.00	0.02	0.02	0.00
16.05	0.01	0.000	92.00	0.02	0.02	0.00
16.10	0.01	0.000	92.00	0.02	0.02	0.00
16.15	0.01	0.000	92.00	0.02	0.02	0.00
16.20	0.01	0.000	92.00	0.02	0.02	0.00
16.25	0.01	0.000	92.00	0.02	0.02	0.00
16.30	0.01	0.000	92.00	0.01	0.01	0.00
16.35	0.01	0.000	92.00	0.01	0.01	0.00
16.40	0.01	0.000	92.00	0.01	0.01	0.00
16.45	0.01	0.000	92.00	0.01	0.01	0.00
16.50	0.01	0.000	92.00	0.01	0.01	0.00
16.55	0.01	0.000	92.00	0.01	0.01	0.00
16.60	0.01	0.000	92.00	0.01	0.01	0.00
16.65	0.01	0.000	92.00	0.01	0.01	0.00
16.70	0.01	0.000	92.00	0.01	0.01	0.00
16.75	0.01	0.000	92.00	0.01	0.01	0.00
16.80	0.01	0.000	92.00	0.01	0.01	0.00
16.85	0.01	0.000	92.00	0.01	0.01	0.00
16.90	0.01	0.000	92.00	0.01	0.01	0.00
16.95	0.01	0.000	92.00	0.01	0.01	0.00
17.00	0.01	0.000	92.00	0.01	0.01	0.00
17.05	0.01	0.000	92.00	0.01	0.01	0.00
17.10	0.01	0.000	92.00	0.01	0.01	0.00
17.15	0.01	0.000	92.00	0.01	0.01	0.00
17.20	0.01	0.000	92.00	0.01	0.01	0.00
17.25	0.01	0.000	92.00	0.01	0.01	0.00
17.30	0.01	0.000	92.00	0.01	0.01	0.00
17.35	0.01	0.000	92.00	0.01	0.01	0.00
17.40	0.01	0.000	92.00	0.01	0.01	0.00
17.45	0.01	0.000	92.00	0.01	0.01	0.00
17.50	0.01	0.000	92.00	0.01	0.01	0.00
17.55	0.01	0.000	92.00	0.01	0.01	0.00
17.60	0.01	0.000	92.00	0.01	0.01	0.00
17.65	0.01	0.000	92.00	0.01	0.01	0.00
17.70	0.01	0.000	92.00	0.01	0.01	0.00
17.75	0.01	0.000	92.00	0.01	0.01	0.00
17.80	0.01	0.000	92.00	0.01	0.01	0.00
17.85	0.01	0.000	92.00	0.01	0.01	0.00
17.90	0.01	0.000	92.00	0.01	0.01	0.00
17.95	0.01	0.000	92.00	0.01	0.01	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
18.00	0.01	0.000	92.00	0.01	0.01	0.00
18.05	0.01	0.000	92.00	0.01	0.01	0.00
18.10	0.01	0.000	92.00	0.01	0.01	0.00
18.15	0.01	0.000	92.00	0.01	0.01	0.00
18.20	0.01	0.000	92.00	0.01	0.01	0.00
18.25	0.01	0.000	92.00	0.01	0.01	0.00
18.30	0.01	0.000	92.00	0.01	0.01	0.00
18.35	0.01	0.000	92.00	0.01	0.01	0.00
18.40	0.01	0.000	92.00	0.01	0.01	0.00
18.45	0.01	0.000	92.00	0.01	0.01	0.00
18.50	0.01	0.000	92.00	0.01	0.01	0.00
18.55	0.01	0.000	92.00	0.01	0.01	0.00
18.60	0.01	0.000	92.00	0.01	0.01	0.00
18.65	0.01	0.000	92.00	0.01	0.01	0.00
18.70	0.01	0.000	92.00	0.01	0.01	0.00
18.75	0.01	0.000	92.00	0.01	0.01	0.00
18.80	0.01	0.000	92.00	0.01	0.01	0.00
18.85	0.01	0.000	92.00	0.01	0.01	0.00
18.90	0.01	0.000	92.00	0.01	0.01	0.00
18.95	0.01	0.000	92.00	0.01	0.01	0.00
19.00	0.01	0.000	92.00	0.01	0.01	0.00
19.05	0.01	0.000	92.00	0.01	0.01	0.00
19.10	0.01	0.000	92.00	0.01	0.01	0.00
19.15	0.01	0.000	92.00	0.01	0.01	0.00
19.20	0.01	0.000	92.00	0.01	0.01	0.00
19.25	0.01	0.000	92.00	0.01	0.01	0.00
19.30	0.01	0.000	92.00	0.01	0.01	0.00
19.35	0.01	0.000	92.00	0.01	0.01	0.00
19.40	0.01	0.000	92.00	0.01	0.01	0.00
19.45	0.01	0.000	92.00	0.01	0.01	0.00
19.50	0.01	0.000	92.00	0.01	0.01	0.00
19.55	0.01	0.000	92.00	0.01	0.01	0.00
19.60	0.01	0.000	92.00	0.01	0.01	0.00
19.65	0.01	0.000	92.00	0.01	0.01	0.00
19.70	0.01	0.000	92.00	0.01	0.01	0.00
19.75	0.01	0.000	92.00	0.01	0.01	0.00
19.80	0.01	0.000	92.00	0.01	0.01	0.00
19.85	0.01	0.000	92.00	0.01	0.01	0.00
19.90	0.01	0.000	92.00	0.01	0.01	0.00
19.95	0.01	0.000	92.00	0.01	0.01	0.00
20.00	0.01	0.000	92.00	0.01	0.01	0.00
20.05	0.01	0.000	92.00	0.01	0.01	0.00
20.10	0.01	0.000	92.00	0.01	0.01	0.00
20.15	0.01	0.000	92.00	0.01	0.01	0.00
20.20	0.01	0.000	92.00	0.01	0.01	0.00
20.25	0.01	0.000	92.00	0.01	0.01	0.00
20.30	0.01	0.000	92.00	0.01	0.01	0.00
20.35	0.01	0.000	92.00	0.01	0.01	0.00
20.40	0.01	0.000	92.00	0.01	0.01	0.00
20.45	0.01	0.000	92.00	0.01	0.01	0.00
20.50	0.01	0.000	92.00	0.01	0.01	0.00
20.55	0.01	0.000	92.00	0.01	0.01	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
20.60	0.01	0.000	92.00	0.01	0.01	0.00
20.65	0.01	0.000	92.00	0.01	0.01	0.00
20.70	0.01	0.000	92.00	0.01	0.01	0.00
20.75	0.01	0.000	92.00	0.01	0.01	0.00
20.80	0.01	0.000	92.00	0.01	0.01	0.00
20.85	0.01	0.000	92.00	0.01	0.01	0.00
20.90	0.01	0.000	92.00	0.01	0.01	0.00
20.95	0.01	0.000	92.00	0.01	0.01	0.00
21.00	0.01	0.000	92.00	0.01	0.01	0.00
21.05	0.01	0.000	92.00	0.01	0.01	0.00
21.10	0.01	0.000	92.00	0.01	0.01	0.00
21.15	0.01	0.000	92.00	0.01	0.01	0.00
21.20	0.01	0.000	92.00	0.01	0.01	0.00
21.25	0.01	0.000	92.00	0.01	0.01	0.00
21.30	0.01	0.000	92.00	0.01	0.01	0.00
21.35	0.01	0.000	92.00	0.01	0.01	0.00
21.40	0.01	0.000	92.00	0.01	0.01	0.00
21.45	0.01	0.000	92.00	0.01	0.01	0.00
21.50	0.01	0.000	92.00	0.01	0.01	0.00
21.55	0.01	0.000	92.00	0.01	0.01	0.00
21.60	0.01	0.000	92.00	0.01	0.01	0.00
21.65	0.01	0.000	92.00	0.01	0.01	0.00
21.70	0.01	0.000	92.00	0.01	0.01	0.00
21.75	0.01	0.000	92.00	0.01	0.01	0.00
21.80	0.01	0.000	92.00	0.01	0.01	0.00
21.85	0.01	0.000	92.00	0.01	0.01	0.00
21.90	0.01	0.000	92.00	0.01	0.01	0.00
21.95	0.01	0.000	92.00	0.01	0.01	0.00
22.00	0.01	0.000	92.00	0.01	0.01	0.00
22.05	0.01	0.000	92.00	0.01	0.01	0.00
22.10	0.01	0.000	92.00	0.01	0.01	0.00
22.15	0.01	0.000	92.00	0.01	0.01	0.00
22.20	0.01	0.000	92.00	0.01	0.01	0.00
22.25	0.01	0.000	92.00	0.01	0.01	0.00
22.30	0.01	0.000	92.00	0.01	0.01	0.00
22.35	0.01	0.000	92.00	0.01	0.01	0.00
22.40	0.01	0.000	92.00	0.01	0.01	0.00
22.45	0.01	0.000	92.00	0.01	0.01	0.00
22.50	0.01	0.000	92.00	0.01	0.01	0.00
22.55	0.01	0.000	92.00	0.01	0.01	0.00
22.60	0.01	0.000	92.00	0.01	0.01	0.00
22.65	0.01	0.000	92.00	0.01	0.01	0.00
22.70	0.01	0.000	92.00	0.01	0.01	0.00
22.75	0.01	0.000	92.00	0.01	0.01	0.00
22.80	0.01	0.000	92.00	0.01	0.01	0.00
22.85	0.01	0.000	92.00	0.01	0.01	0.00
22.90	0.01	0.000	92.00	0.01	0.01	0.00
22.95	0.01	0.000	92.00	0.01	0.01	0.00
23.00	0.01	0.000	92.00	0.01	0.01	0.00
23.05	0.01	0.000	92.00	0.01	0.01	0.00
23.10	0.01	0.000	92.00	0.01	0.01	0.00
23.15	0.01	0.000	92.00	0.01	0.01	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
23.20	0.01	0.000	92.00	0.01	0.01	0.00
23.25	0.01	0.000	92.00	0.01	0.01	0.00
23.30	0.01	0.000	92.00	0.01	0.01	0.00
23.35	0.01	0.000	92.00	0.01	0.01	0.00
23.40	0.01	0.000	92.00	0.01	0.01	0.00
23.45	0.01	0.000	92.00	0.01	0.01	0.00
23.50	0.01	0.000	92.00	0.01	0.01	0.00
23.55	0.01	0.000	92.00	0.01	0.01	0.00
23.60	0.01	0.000	92.00	0.01	0.01	0.00
23.65	0.01	0.000	92.00	0.01	0.01	0.00
23.70	0.01	0.000	92.00	0.01	0.01	0.00
23.75	0.01	0.000	92.00	0.01	0.01	0.00
23.80	0.01	0.000	92.00	0.01	0.01	0.00
23.85	0.01	0.000	92.00	0.01	0.01	0.00
23.90	0.01	0.000	92.00	0.01	0.01	0.00
23.95	0.01	0.000	92.00	0.01	0.01	0.00
24.00	0.01	0.000	92.00	0.01	0.01	0.00
24.05	0.01	0.000	92.00	0.01	0.01	0.00
24.10	0.01	0.000	92.00	0.01	0.01	0.00
24.15	0.00	0.000	92.00	0.01	0.01	0.00
24.20	0.00	0.000	92.00	0.01	0.01	0.00
24.25	0.00	0.000	92.00	0.01	0.01	0.00
24.30	0.00	0.000	92.00	0.01	0.01	0.00
24.35	0.00	0.000	92.00	0.01	0.01	0.00
24.40	0.00	0.000	92.00	0.00	0.00	0.00
24.45	0.00	0.000	92.00	0.00	0.00	0.00
24.50	0.00	0.000	92.00	0.00	0.00	0.00
24.55	0.00	0.000	92.00	0.00	0.00	0.00
24.60	0.00	0.000	92.00	0.00	0.00	0.00
24.65	0.00	0.000	92.00	0.00	0.00	0.00
24.70	0.00	0.000	92.00	0.00	0.00	0.00
24.75	0.00	0.000	92.00	0.00	0.00	0.00
24.80	0.00	0.000	92.00	0.00	0.00	0.00
24.85	0.00	0.000	92.00	0.00	0.00	0.00
24.90	0.00	0.000	92.00	0.00	0.00	0.00
24.95	0.00	0.000	92.00	0.00	0.00	0.00
25.00	0.00	0.000	92.00	0.00	0.00	0.00
25.05	0.00	0.000	92.00	0.00	0.00	0.00
25.10	0.00	0.000	92.00	0.00	0.00	0.00
25.15	0.00	0.000	92.00	0.00	0.00	0.00
25.20	0.00	0.000	92.00	0.00	0.00	0.00
25.25	0.00	0.000	92.00	0.00	0.00	0.00
25.30	0.00	0.000	92.00	0.00	0.00	0.00
25.35	0.00	0.000	92.00	0.00	0.00	0.00
25.40	0.00	0.000	92.00	0.00	0.00	0.00
25.45	0.00	0.000	92.00	0.00	0.00	0.00
25.50	0.00	0.000	92.00	0.00	0.00	0.00
25.55	0.00	0.000	92.00	0.00	0.00	0.00
25.60	0.00	0.000	92.00	0.00	0.00	0.00
25.65	0.00	0.000	92.00	0.00	0.00	0.00
25.70	0.00	0.000	92.00	0.00	0.00	0.00
25.75	0.00	0.000	92.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
25.80	0.00	0.000	92.00	0.00	0.00	0.00
25.85	0.00	0.000	92.00	0.00	0.00	0.00
25.90	0.00	0.000	92.00	0.00	0.00	0.00
25.95	0.00	0.000	92.00	0.00	0.00	0.00
26.00	0.00	0.000	92.00	0.00	0.00	0.00
26.05	0.00	0.000	92.00	0.00	0.00	0.00
26.10	0.00	0.000	92.00	0.00	0.00	0.00
26.15	0.00	0.000	92.00	0.00	0.00	0.00
26.20	0.00	0.000	92.00	0.00	0.00	0.00
26.25	0.00	0.000	92.00	0.00	0.00	0.00
26.30	0.00	0.000	92.00	0.00	0.00	0.00
26.35	0.00	0.000	92.00	0.00	0.00	0.00
26.40	0.00	0.000	92.00	0.00	0.00	0.00
26.45	0.00	0.000	92.00	0.00	0.00	0.00
26.50	0.00	0.000	92.00	0.00	0.00	0.00
26.55	0.00	0.000	92.00	0.00	0.00	0.00
26.60	0.00	0.000	92.00	0.00	0.00	0.00
26.65	0.00	0.000	92.00	0.00	0.00	0.00
26.70	0.00	0.000	92.00	0.00	0.00	0.00
26.75	0.00	0.000	92.00	0.00	0.00	0.00
26.80	0.00	0.000	92.00	0.00	0.00	0.00
26.85	0.00	0.000	92.00	0.00	0.00	0.00
26.90	0.00	0.000	92.00	0.00	0.00	0.00
26.95	0.00	0.000	92.00	0.00	0.00	0.00
27.00	0.00	0.000	92.00	0.00	0.00	0.00
27.05	0.00	0.000	92.00	0.00	0.00	0.00
27.10	0.00	0.000	92.00	0.00	0.00	0.00
27.15	0.00	0.000	92.00	0.00	0.00	0.00
27.20	0.00	0.000	92.00	0.00	0.00	0.00
27.25	0.00	0.000	92.00	0.00	0.00	0.00
27.30	0.00	0.000	92.00	0.00	0.00	0.00
27.35	0.00	0.000	92.00	0.00	0.00	0.00
27.40	0.00	0.000	92.00	0.00	0.00	0.00
27.45	0.00	0.000	92.00	0.00	0.00	0.00
27.50	0.00	0.000	92.00	0.00	0.00	0.00
27.55	0.00	0.000	92.00	0.00	0.00	0.00
27.60	0.00	0.000	92.00	0.00	0.00	0.00
27.65	0.00	0.000	92.00	0.00	0.00	0.00
27.70	0.00	0.000	92.00	0.00	0.00	0.00
27.75	0.00	0.000	92.00	0.00	0.00	0.00
27.80	0.00	0.000	92.00	0.00	0.00	0.00
27.85	0.00	0.000	92.00	0.00	0.00	0.00
27.90	0.00	0.000	92.00	0.00	0.00	0.00
27.95	0.00	0.000	92.00	0.00	0.00	0.00
28.00	0.00	0.000	92.00	0.00	0.00	0.00
28.05	0.00	0.000	92.00	0.00	0.00	0.00
28.10	0.00	0.000	92.00	0.00	0.00	0.00
28.15	0.00	0.000	92.00	0.00	0.00	0.00
28.20	0.00	0.000	92.00	0.00	0.00	0.00
28.25	0.00	0.000	92.00	0.00	0.00	0.00
28.30	0.00	0.000	92.00	0.00	0.00	0.00
28.35	0.00	0.000	92.00	0.00	0.00	0.00

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Hydrograph for Pond Basin 6: Basin 6 (continued)

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Outflow (cfs)	Discarded (cfs)	Primary (cfs)
28.40	0.00	0.000	92.00	0.00	0.00	0.00
28.45	0.00	0.000	92.00	0.00	0.00	0.00
28.50	0.00	0.000	92.00	0.00	0.00	0.00
28.55	0.00	0.000	92.00	0.00	0.00	0.00
28.60	0.00	0.000	92.00	0.00	0.00	0.00
28.65	0.00	0.000	92.00	0.00	0.00	0.00
28.70	0.00	0.000	92.00	0.00	0.00	0.00
28.75	0.00	0.000	92.00	0.00	0.00	0.00
28.80	0.00	0.000	92.00	0.00	0.00	0.00
28.85	0.00	0.000	92.00	0.00	0.00	0.00
28.90	0.00	0.000	92.00	0.00	0.00	0.00
28.95	0.00	0.000	92.00	0.00	0.00	0.00
29.00	0.00	0.000	92.00	0.00	0.00	0.00
29.05	0.00	0.000	92.00	0.00	0.00	0.00
29.10	0.00	0.000	92.00	0.00	0.00	0.00
29.15	0.00	0.000	92.00	0.00	0.00	0.00
29.20	0.00	0.000	92.00	0.00	0.00	0.00
29.25	0.00	0.000	92.00	0.00	0.00	0.00
29.30	0.00	0.000	92.00	0.00	0.00	0.00
29.35	0.00	0.000	92.00	0.00	0.00	0.00
29.40	0.00	0.000	92.00	0.00	0.00	0.00
29.45	0.00	0.000	92.00	0.00	0.00	0.00
29.50	0.00	0.000	92.00	0.00	0.00	0.00
29.55	0.00	0.000	92.00	0.00	0.00	0.00
29.60	0.00	0.000	92.00	0.00	0.00	0.00
29.65	0.00	0.000	92.00	0.00	0.00	0.00
29.70	0.00	0.000	92.00	0.00	0.00	0.00
29.75	0.00	0.000	92.00	0.00	0.00	0.00
29.80	0.00	0.000	92.00	0.00	0.00	0.00
29.85	0.00	0.000	92.00	0.00	0.00	0.00
29.90	0.00	0.000	92.00	0.00	0.00	0.00
29.95	0.00	0.000	92.00	0.00	0.00	0.00
30.00	0.00	0.000	92.00	0.00	0.00	0.00

TIME TO DRAIN CALCULATIONS

Exfiltration Area

: Bottom area

Exfiltration rate at 3 in/hour

= 0.00007 ft/sec

<u>Basin #</u>	<u>Bottom Area</u>	<u>Basin Volume</u>	<u>Rate</u>	<u>Time (hours)</u>
1	2,200	7,400	0.15	14
2	3,900	13,500	0.28	13
3	8,700	24,300	0.60	11
4&5	3,500	18,000	0.25	20
6	6,500	9,800	0.45	7

APPENDIX C

SOIL EROSION CALCULATIONS

- **Conduit Outlet Protection**
- **SCD Flood Routing**

CONDUIT OUTLET DESIGN

Use 25 Year storm, Q (cfs)

Level Apron

Tw(ft) calculated from:

- (1) 2 Year flood routing for outlets into stormwater management basins
- (2) outlets from basins use $0.2 * D$

$$q = Q/W_o$$

Calculate length & width of rip rap apron:

For $T_w < \frac{1}{2}$ Pipe Size

- Length = $(1.8 q/Do^{1/2}) + 7Do$
- Width = $3 W_o + L$

For $T_w > \frac{1}{2}$ Pipe Size

- Length = $3 q/Do^{1/2}$
- Width = $3 Do + 0.4L$

Calculate D50 stone size (in):

$$= \frac{0.02}{T_w} (q)^{1.33}$$

Scour Hole

$$\text{Depth} = 0.5(D_o)$$

$$\text{Width} = 2 W_o$$

$$\text{Length} = 3 D_o$$

$$D_{50} = \frac{0.0125 q}{T_w}^{1.33}$$

<u>Outlet #</u>	<u>Do</u>	<u>Wo</u>	<u>Q</u>	<u>Tw</u>	<u>q</u>	<u>L</u>	<u>W</u>	<u>D50</u>
1-3	18	18	10	0.3 (2)	7.7	22	24	3"
4-7	15	15	7	0.2 (2)	5.6	21	24	3"

OFF-SITE STABILTY

The basins have been designed to comply with the off-site stability standard. The direct discharge must not be more than 10 cfs for a 25 year storm event and the discharge must be less than 2 fps for a ten year storm in the discharge pipe. The flood routing must assume the basin is full to the lowest positive outlet at the start of the storm and cannot utilize infiltration as an outflow. The flood routings eliminating exfiltration outflow and placing the basin bottom at the lowest outlet elevation are enclosed.

<u>Basin #</u>	<u>25 Yr Peak Outflow</u>	<u>10 yr storm pipe velocity</u>
6	0.7	0.2

APPENDIX D

STORM DRAINAGE COLLECTION SYSTEM CALCULATIONS

STORM SEWER TABULATION

PROFESSIONAL DESIGN SERVICES, L.L.C.
 1245 AIRPORT ROAD, SUITE 1
 LAKEWOOD, NJ 08701
 (732) 363-0060

COMPUTED BY: SDC DATE: June 3, 2021
 DESIGN STORM FREQUENCY: 25 YEAR
 INTENSITY CURVE: RSIS

PDS # 321644

LOCATION		RUNOFF DATA									SEWER DESIGN DATA					
STRUCTURE #		AREA	WEIGHT OF RUNOFF COEFFICIENT	A x C	TOTAL	TIME OF CONCENTRATION		ACCUMULATED	RAINFALL INTENSITY	PEAK RUNOFF	PIPE MATERIAL			MANNINGS n@		
UPSTREAM	DOWNSTREAM					OVERLAND THROUGH AREA (T _A)	THROUGH AREA (T _P)				DIAMETER	LENGTH	SLOPE	CAPACITY AT FULL FLOW	VELOCITY AT FULL FLOW	VELOCITY ACTUAL
(1)	(2)	(AC)	C	A x C	(3A x C)	(MIN)	(MIN)	(MIN)	(IN/HR)	(CFS)	(INCHES)	(FT)	(%)	(CFS)	(FPS)	
1	2	1.12	0.55	0.63	0.63	10		10	6.7	4.22	15		0.50			
2	RG-1	0.64	0.55	0.37	1.00	10		10	6.7	6.70	18		0.50			
3	4	0.23	0.55	0.13	0.13	10		10	6.7	0.81	15		0.30	3.8		
4	MH-5	0.23	0.55	0.13	0.26	10		10	6.7	1.74	15		0.30	3.8		
MH-5	6	0	0.55	0	0.26	10		10	6.7	1.74	15		0.30	3.8		
5	6	1.03	0.55	0.57	0.57	10		10	6.7	3.82	15		0.50	5.9		
6	RG-4	0.13	0.55	0.07	0.90	10		10	6.7	6.03	18		0.50	9.7		
RG-4	8	-	-	-						1.00 *						
7	8	0.78	0.55	0.43	0.43	10		10	6.7	2.88	15		0.30			
8	MH-2	0.67	0.55	0.37	0.80	10		10	6.7	6.36	18		0.50			
9	MH-2	0.32	0.55	0.18	0.18	10		10	6.7	1.21	15		0.30			

* 25 YEAR FLOOD ROUTING OUTFLOW

STORM SEWER TABULATION

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 (732) 363-0060

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PDS # 321644

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STRUCTURE #		AREA	WEIGHT OF RUNOFF COEFFICIENT	A x C	TOTAL	TIME OF CONCENTRATION		ACCUMULATED	RAINFALL INTENSITY	PEAK RUNOFF	PIPE MATERIAL		MANNINGS n			
UPSTREAM	DOWNSTREAM					OVERLAND THROUGH AREA (T_A)	THROUGH AREA (T_P)				DIAMETER	LENGTH	SLOPE	CAPACITY AT FULL FLOW	VELOCITY AT FULL FLOW	VELOCITY ACTUAL
(1)	(2)	(AC)	C	A x C	(3A x C)	(MIN)	(MIN)	(MIN)	(IN/HR)	(CFS)	(INCHES)	(FT)	(%)	(CFS)	(FPS)	
10	MH-2	0.37	0.55	0.20	0.20	10		10	6.7	1.34	15		0.50	3.8		
MH-2	11	0	0.55	0	1.18	10		10	6.7	8.91	18		0.50	9.7		
11	RG-2	0.02	0.55	0.02	1.20	10		10	6.7	9.04	18		0.50	9.7		
12	RG-6	0.30	0.55	0.17	0.17	10		10	6.7	1.14	15		0.30	3.8		
13	14	0.17	0.55	0.09	0.09	10		10	6.7	0.60	15		0.30	3.8		
14	15	0.17	0.55	0.09	0.18	10		10	6.7	1.21	15		0.30	3.8		
15	16	0.24	0.55	0.13	0.31	10		10	6.7	2.10	15		0.30	3.8		
16	17	0.26	0.55	0.14	0.45	10		10	6.7	3.02	15		0.30	3.8		
17	RG-5	0.13	0.55	0.07	0.52	10		10	6.7	3.48	15		0.30	3.8		
21	22	0.60	0.55	0.33	0.33	10		10	6.7	2.21	15		0.30	3.8		
22	HH-3	0.67	0.55	0.37	0.70	10		10	6.7	4.69	15		0.50	5.9		
18	HH-3	0.38	0.55	0.21	0.21	10		10	6.7	1.41	15		0.30	3.8		

STORM SEWER TABULATION

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 DESIGN STORM FREQUENCY: 25 YEAR
 INTENSITY CURVE: RSIS

PDS # 321644

LOCATION		RUNOFF DATA									SEWER DESIGN DATA					
STRUCTURE #		AREA	WEIGHT OF RUNOFF COEFFICIENT	A x C	TOTAL	TIME OF CONCENTRATION		ACCUMULATED	RAINFALL INTENSITY	PEAK RUNOFF	PIPE MATERIAL			MANNINGS n		
UPSTREAM	DOWNSTREAM					OVERLAND THROUGH AREA (T_A)	THROUGH AREA (T_P)				DIAMETER	LENGTH	SLOPE	CAPACITY AT FULL FLOW	VELOCITY AT FULL FLOW	VELOCITY ACTUAL
(1)	(2)	(AC)	C	A x C	(3A x C)	(MIN)	(MIN)	(MIN)	(IN/HR)	(CFS)	(INCHES)	(FT)	(%)	(CFS)	(FPS)	
HH-3	23	0	0.55	0	0	10		10	6.7	-	18		0.50	9.7		
23	24	0.33	0.55	0.18	1.09	10		10	6.7	7.30	18		0.50	9.7		
24	25	0.15	0.55	0.08	1.17	10		10	6.7	7.84	18		0.50	9.7		
25	RG-3	0.25	0.55	0.14	1.31	10		10	6.7	8.78	18		0.50	9.7		