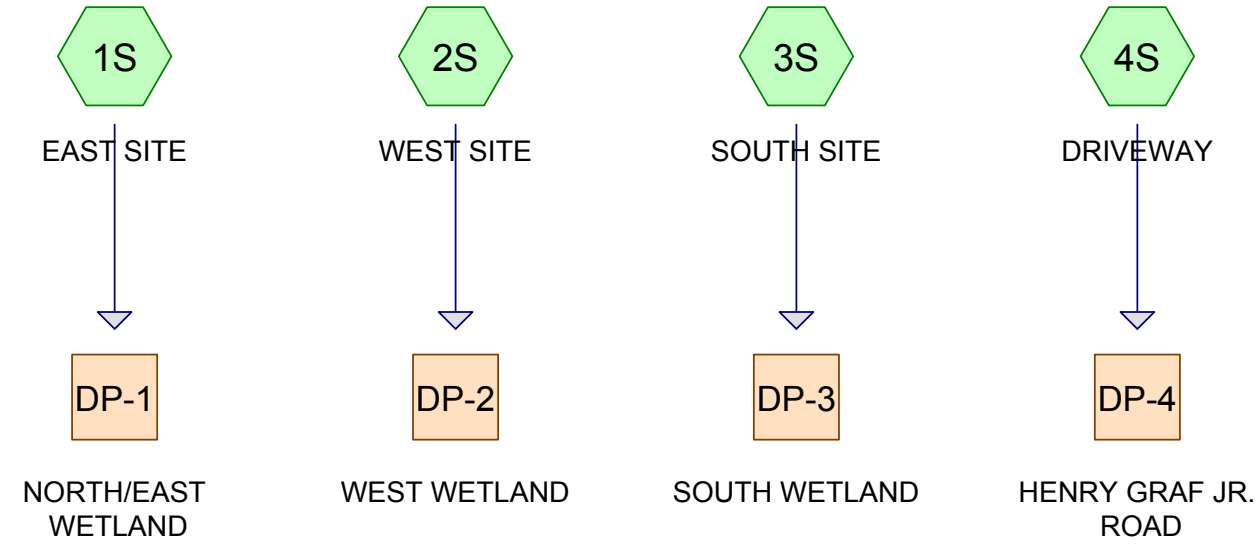


Subcat Reach Pond Link

Routing Diagram for 219-180_PRE1
Prepared by Microsoft, Printed 4/10/2020

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.253	73	Brush, Good, HSG D (1S, 2S, 3S)
1.497	94	Fallow, bare soil, HSG D (1S, 2S, 3S, 4S)
1.749	**91**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
0.000	HSG C	
1.749	HSG D	1S, 2S, 3S, 4S
0.000	Other	
1.749		**TOTAL AREA**

Ground Covers (all nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	0.000	0.253	0.000	0.253	Brush, Good	1S, 2S, 3S
0.000	0.000	0.000	1.497	0.000	1.497	Fallow, bare soil	1S, 2S, 3S, 4S
0.000	**0.000**	**0.000**	**1.749**	**0.000**	**1.749**	**TOTAL AREA**	

Time span=5.00-48.00 hrs, dt=0.05 hrs, 861 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1S: EAST SITE Runoff Area=28,315 sf 0.00% Impervious Runoff Depth=2.16"
Tc=6.0 min CN=91 Runoff=1.59 cfs 0.117 af

Subcatchment 2S: WEST SITE Runoff Area=15,639 sf 0.00% Impervious Runoff Depth=2.08"
Tc=6.0 min CN=90 Runoff=0.85 cfs 0.062 af

Subcatchment 3S: SOUTH SITE Runoff Area=31,038 sf 0.00% Impervious Runoff Depth>2.26"
Tc=6.0 min CN=92 Runoff=1.80 cfs 0.134 af

Subcatchment 4S: DRIVEWAY Runoff Area=1,215 sf 0.00% Impervious Runoff Depth>2.44"
Tc=6.0 min CN=94 Runoff=0.08 cfs 0.006 af

Reach DP-1: NORTH/EAST WETLAND Inflow=1.59 cfs 0.117 af
Outflow=1.59 cfs 0.117 af

Reach DP-2: WEST WETLAND Inflow=0.85 cfs 0.062 af
Outflow=0.85 cfs 0.062 af

Reach DP-3: SOUTH WETLAND Inflow=1.80 cfs 0.134 af
Outflow=1.80 cfs 0.134 af

Reach DP-4: HENRY GRAF JR. ROAD Inflow=0.08 cfs 0.006 af
Outflow=0.08 cfs 0.006 af

Total Runoff Area = 1.749 ac Runoff Volume = 0.319 af Average Runoff Depth = 2.19"
100.00% Pervious = 1.749 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: EAST SITE

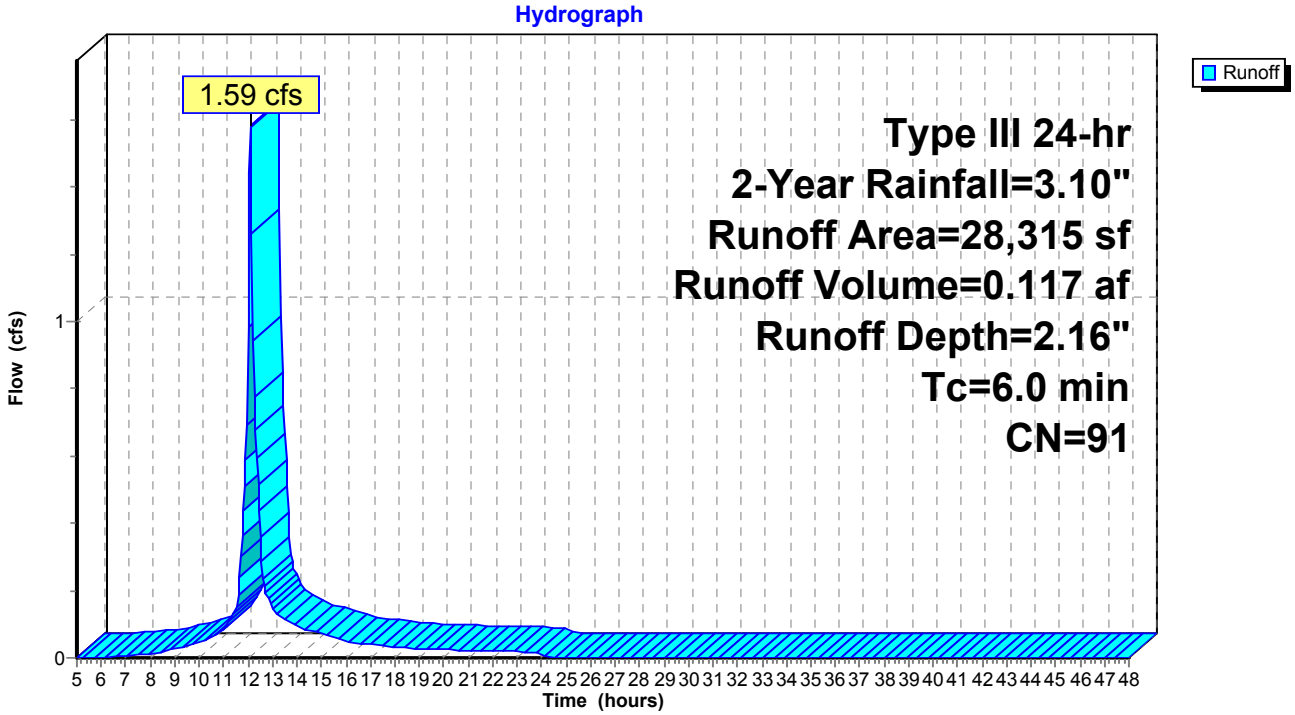
Runoff = 1.59 cfs @ 12.09 hrs, Volume= 0.117 af, Depth= 2.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.10"

Area (sf)	CN	Description
4,516	73	Brush, Good, HSG D
23,799	94	Fallow, bare soil, HSG D
28,315	91	Weighted Average
28,315		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, DIRECT ENTRY**

Subcatchment 1S: EAST SITE



Summary for Subcatchment 2S: WEST SITE

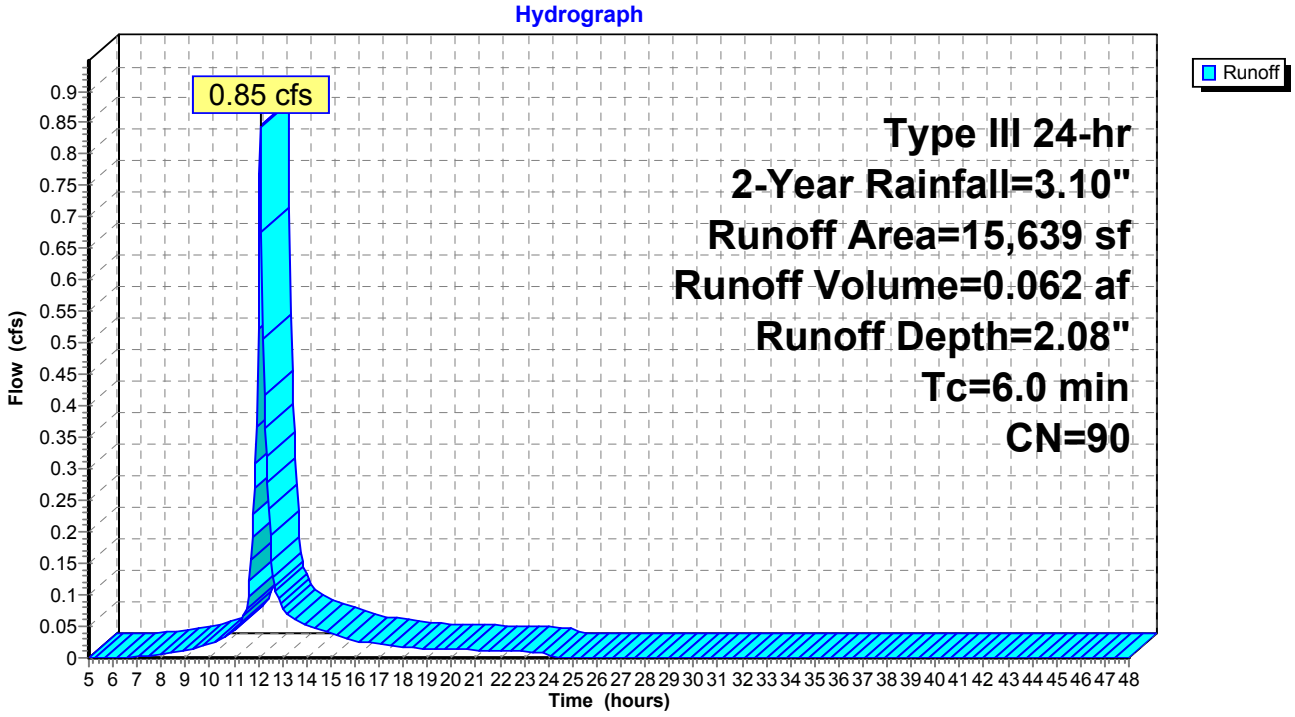
Runoff = 0.85 cfs @ 12.09 hrs, Volume= 0.062 af, Depth= 2.08"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.10"

Area (sf)	CN	Description
3,162	73	Brush, Good, HSG D
12,477	94	Fallow, bare soil, HSG D
15,639	90	Weighted Average
15,639		100.00% Pervious Area

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

Subcatchment 2S: WEST SITE



Summary for Subcatchment 3S: SOUTH SITE

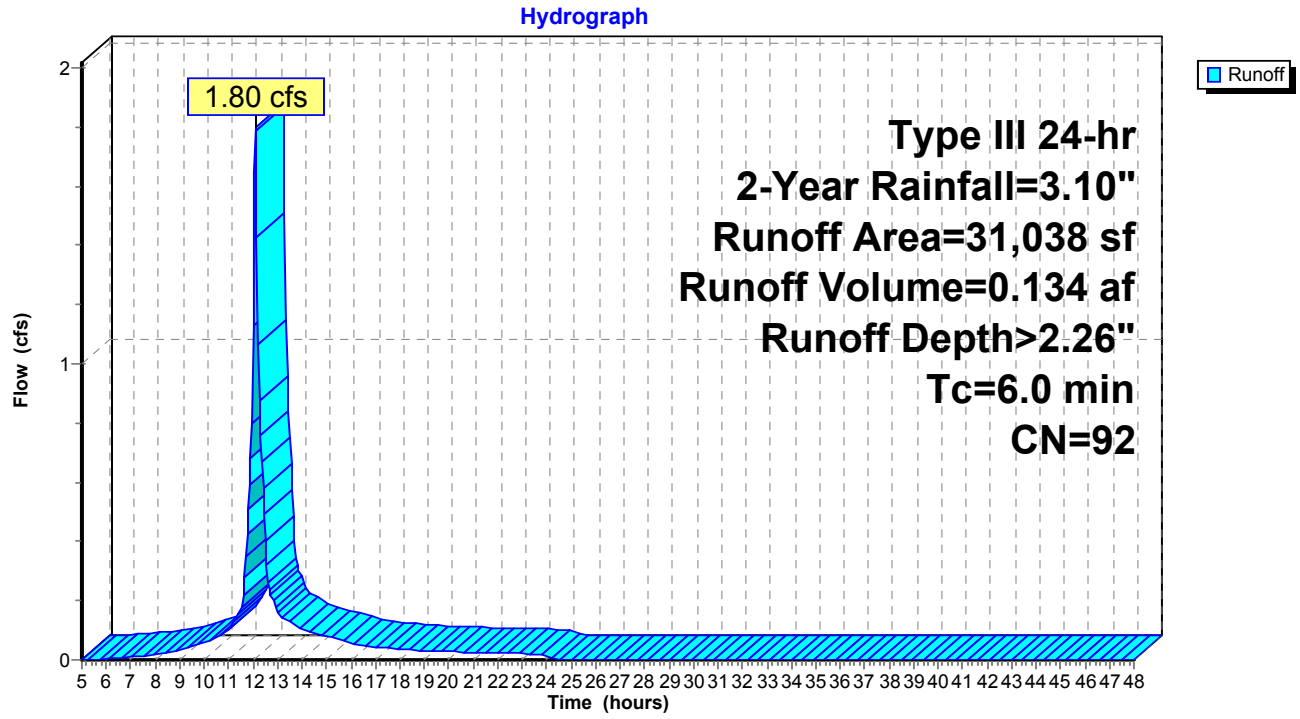
Runoff = 1.80 cfs @ 12.09 hrs, Volume= 0.134 af, Depth> 2.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.10"

Area (sf)	CN	Description
3,337	73	Brush, Good, HSG D
27,701	94	Fallow, bare soil, HSG D
31,038	92	Weighted Average
31,038		100.00% Pervious Area

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

Subcatchment 3S: SOUTH SITE



Summary for Subcatchment 4S: DRIVEWAY

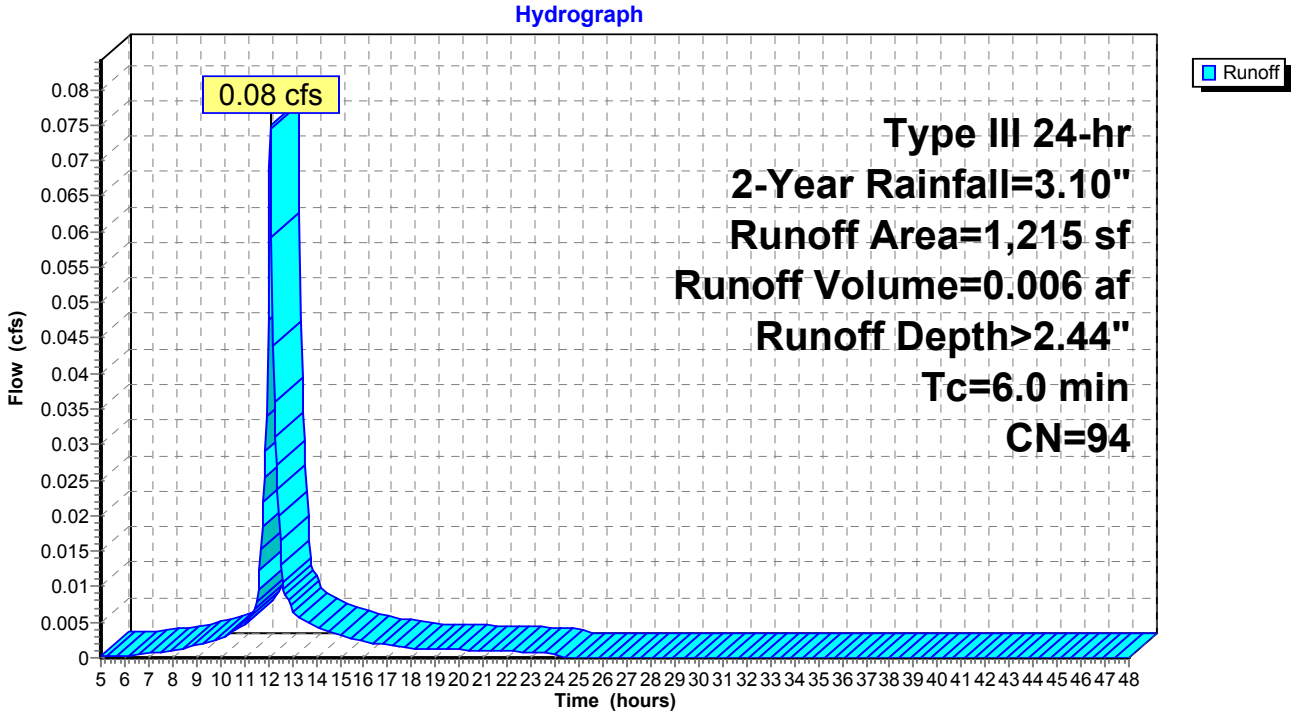
Runoff = 0.08 cfs @ 12.09 hrs, Volume= 0.006 af, Depth> 2.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 2-Year Rainfall=3.10"

Area (sf)	CN	Description
1,215	94	Fallow, bare soil, HSG D
1,215		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, DIRECT ENTRY**

Subcatchment 4S: DRIVEWAY



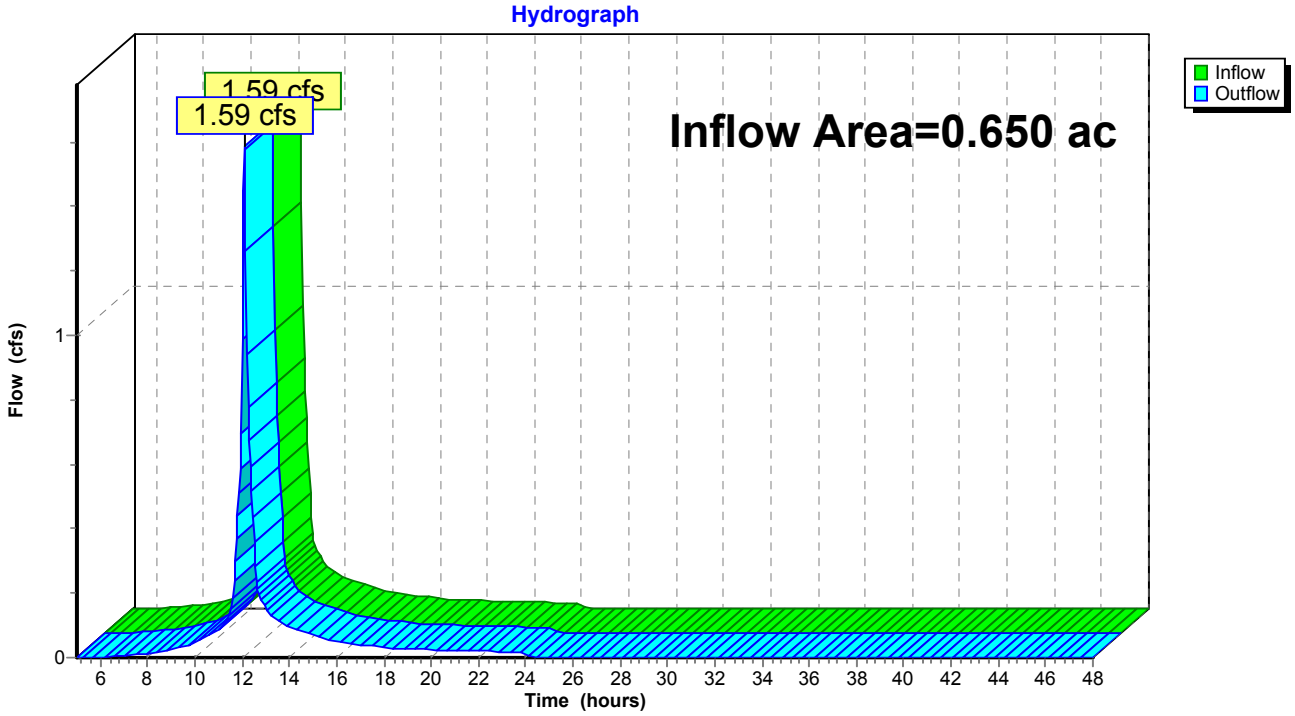
Summary for Reach DP-1: NORTH/EAST WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.650 ac, 0.00% Impervious, Inflow Depth = 2.16" for 2-Year event
Inflow = 1.59 cfs @ 12.09 hrs, Volume= 0.117 af
Outflow = 1.59 cfs @ 12.09 hrs, Volume= 0.117 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-1: NORTH/EAST WETLAND



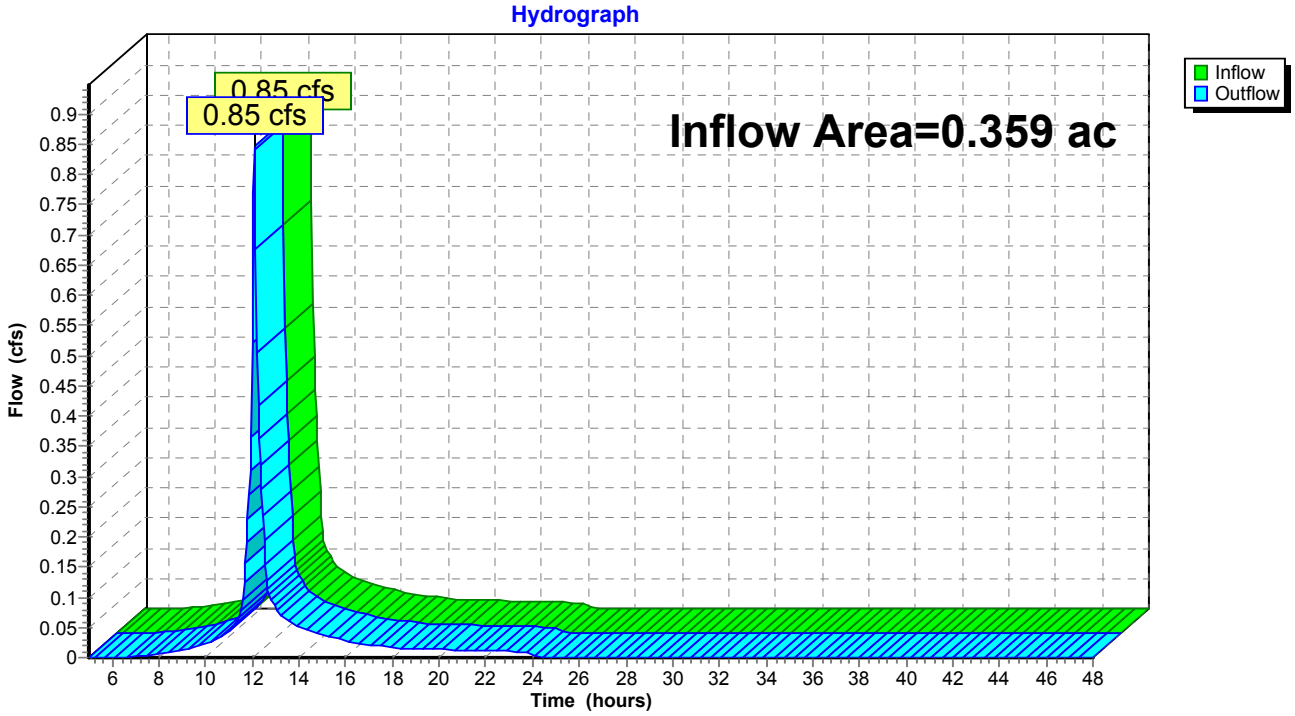
Summary for Reach DP-2: WEST WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.359 ac, 0.00% Impervious, Inflow Depth = 2.08" for 2-Year event
Inflow = 0.85 cfs @ 12.09 hrs, Volume= 0.062 af
Outflow = 0.85 cfs @ 12.09 hrs, Volume= 0.062 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-2: WEST WETLAND



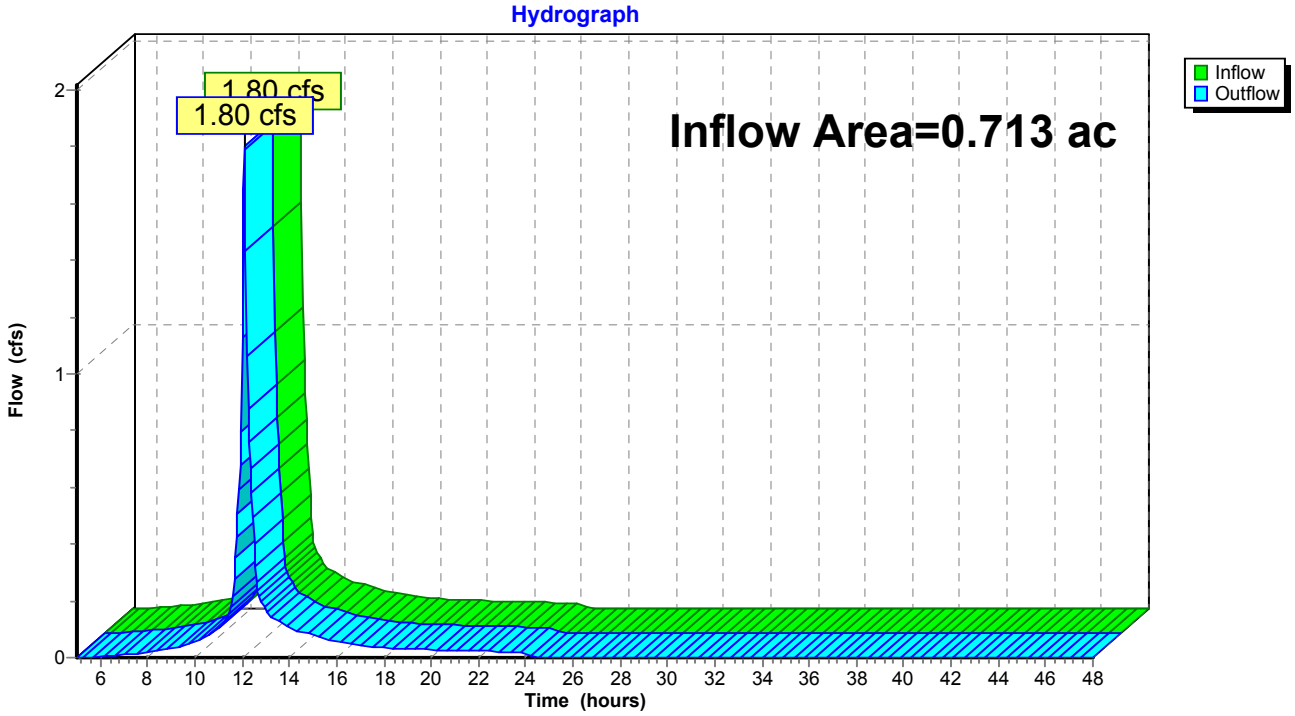
Summary for Reach DP-3: SOUTH WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.713 ac, 0.00% Impervious, Inflow Depth > 2.26" for 2-Year event
Inflow = 1.80 cfs @ 12.09 hrs, Volume= 0.134 af
Outflow = 1.80 cfs @ 12.09 hrs, Volume= 0.134 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-3: SOUTH WETLAND



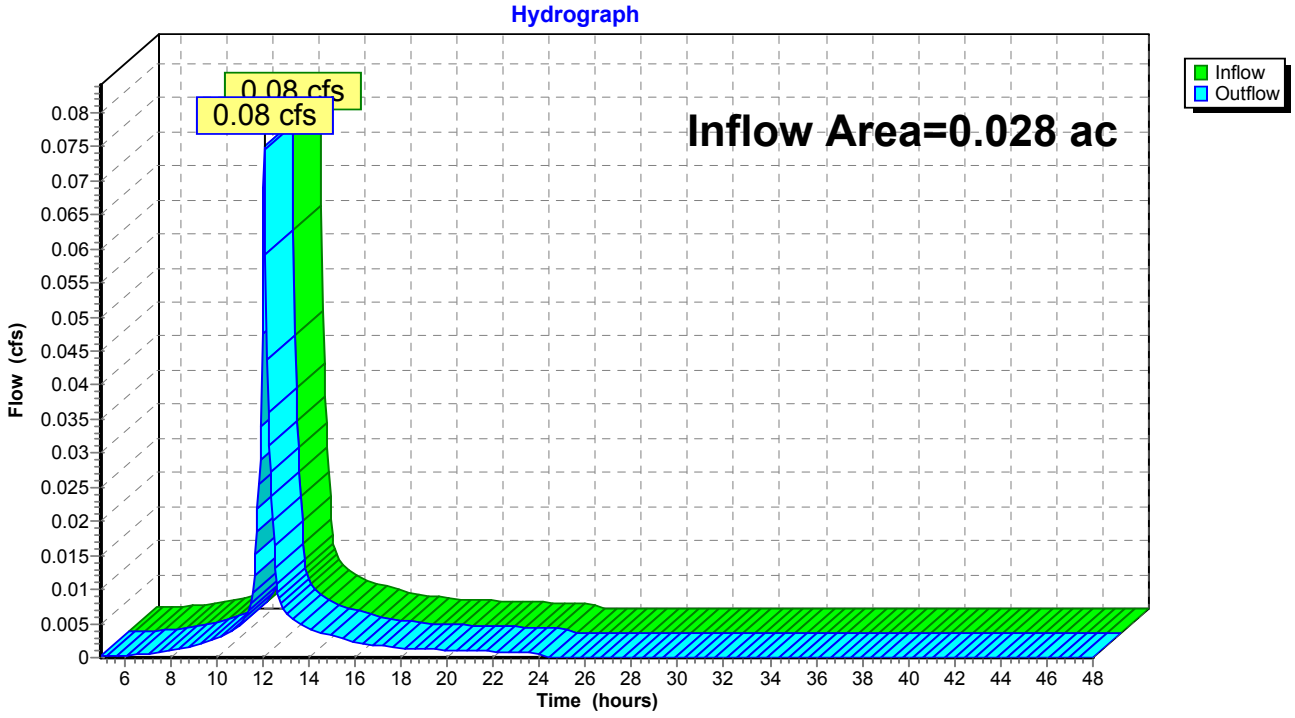
Summary for Reach DP-4: HENRY GRAF JR. ROAD

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.028 ac, 0.00% Impervious, Inflow Depth > 2.44" for 2-Year event
Inflow = 0.08 cfs @ 12.09 hrs, Volume= 0.006 af
Outflow = 0.08 cfs @ 12.09 hrs, Volume= 0.006 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-4: HENRY GRAF JR. ROAD



Time span=5.00-48.00 hrs, dt=0.05 hrs, 861 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1S: EAST SITE Runoff Area=28,315 sf 0.00% Impervious Runoff Depth>3.69"
Tc=6.0 min CN=91 Runoff=2.64 cfs 0.200 af

Subcatchment 2S: WEST SITE Runoff Area=15,639 sf 0.00% Impervious Runoff Depth>3.59"
Tc=6.0 min CN=90 Runoff=1.43 cfs 0.107 af

Subcatchment 3S: SOUTH SITE Runoff Area=31,038 sf 0.00% Impervious Runoff Depth>3.79"
Tc=6.0 min CN=92 Runoff=2.95 cfs 0.225 af

Subcatchment 4S: DRIVEWAY Runoff Area=1,215 sf 0.00% Impervious Runoff Depth>3.99"
Tc=6.0 min CN=94 Runoff=0.12 cfs 0.009 af

Reach DP-1: NORTH/EAST WETLAND Inflow=2.64 cfs 0.200 af
Outflow=2.64 cfs 0.200 af

Reach DP-2: WEST WETLAND Inflow=1.43 cfs 0.107 af
Outflow=1.43 cfs 0.107 af

Reach DP-3: SOUTH WETLAND Inflow=2.95 cfs 0.225 af
Outflow=2.95 cfs 0.225 af

Reach DP-4: HENRY GRAF JR. ROAD Inflow=0.12 cfs 0.009 af
Outflow=0.12 cfs 0.009 af

Total Runoff Area = 1.749 ac Runoff Volume = 0.541 af Average Runoff Depth = 3.71"
100.00% Pervious = 1.749 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: EAST SITE

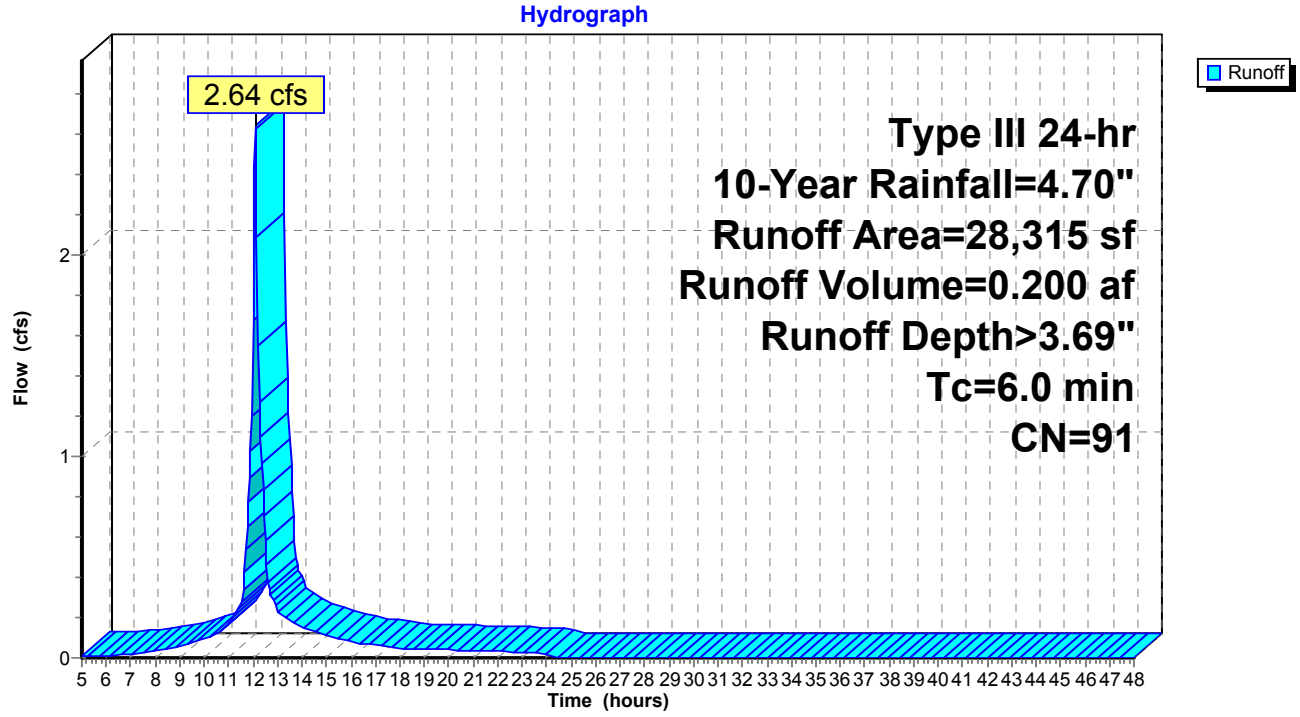
Runoff = 2.64 cfs @ 12.09 hrs, Volume= 0.200 af, Depth> 3.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.70"

Area (sf)	CN	Description
4,516	73	Brush, Good, HSG D
23,799	94	Fallow, bare soil, HSG D
28,315	91	Weighted Average
28,315		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, DIRECT ENTRY**

Subcatchment 1S: EAST SITE



Summary for Subcatchment 2S: WEST SITE

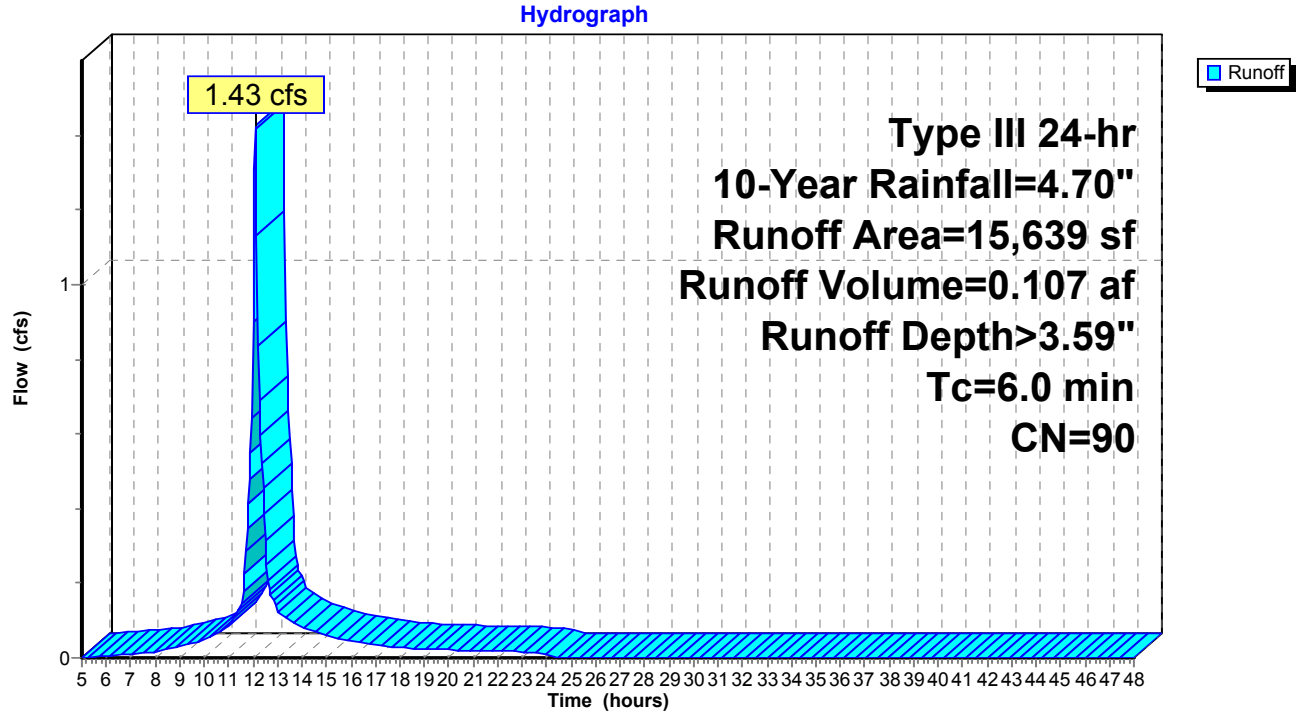
Runoff = 1.43 cfs @ 12.09 hrs, Volume= 0.107 af, Depth> 3.59"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.70"

Area (sf)	CN	Description
3,162	73	Brush, Good, HSG D
12,477	94	Fallow, bare soil, HSG D
15,639	90	Weighted Average
15,639		100.00% Pervious Area

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

Subcatchment 2S: WEST SITE



Summary for Subcatchment 3S: SOUTH SITE

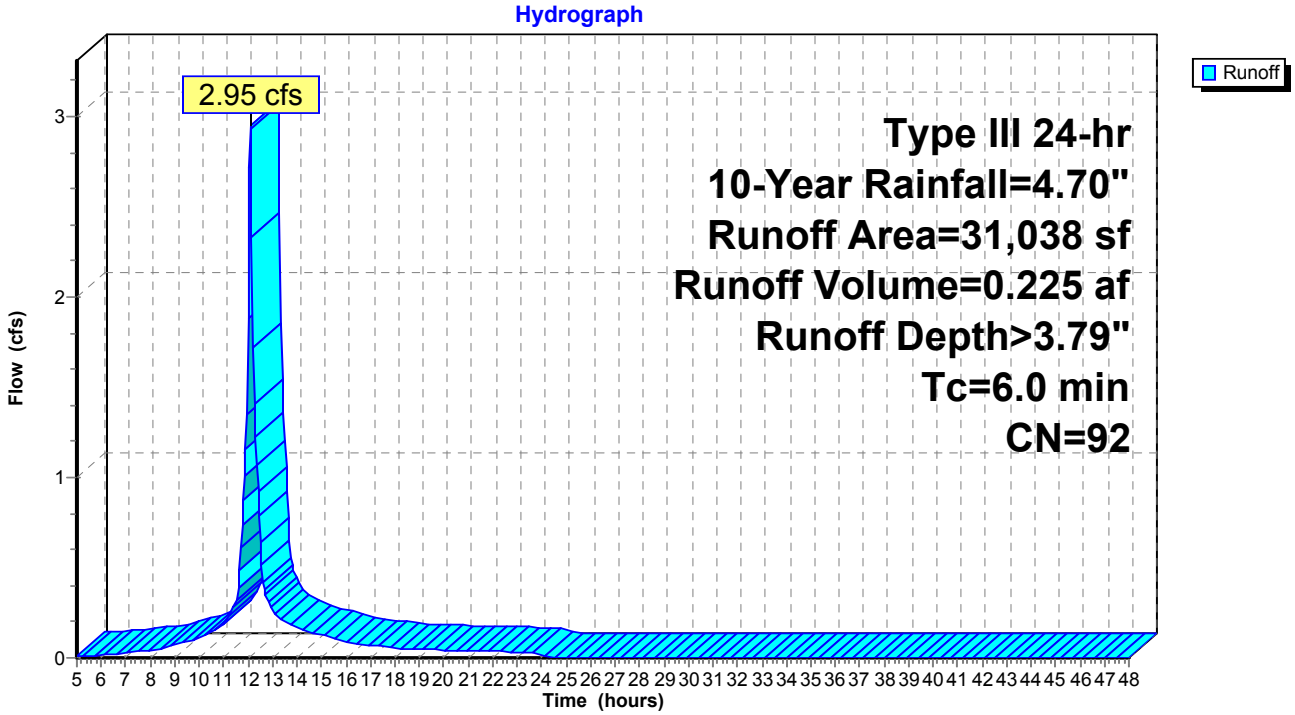
Runoff = 2.95 cfs @ 12.09 hrs, Volume= 0.225 af, Depth> 3.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.70"

Area (sf)	CN	Description
3,337	73	Brush, Good, HSG D
27,701	94	Fallow, bare soil, HSG D
31,038	92	Weighted Average
31,038		100.00% Pervious Area

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

Subcatchment 3S: SOUTH SITE



Summary for Subcatchment 4S: DRIVEWAY

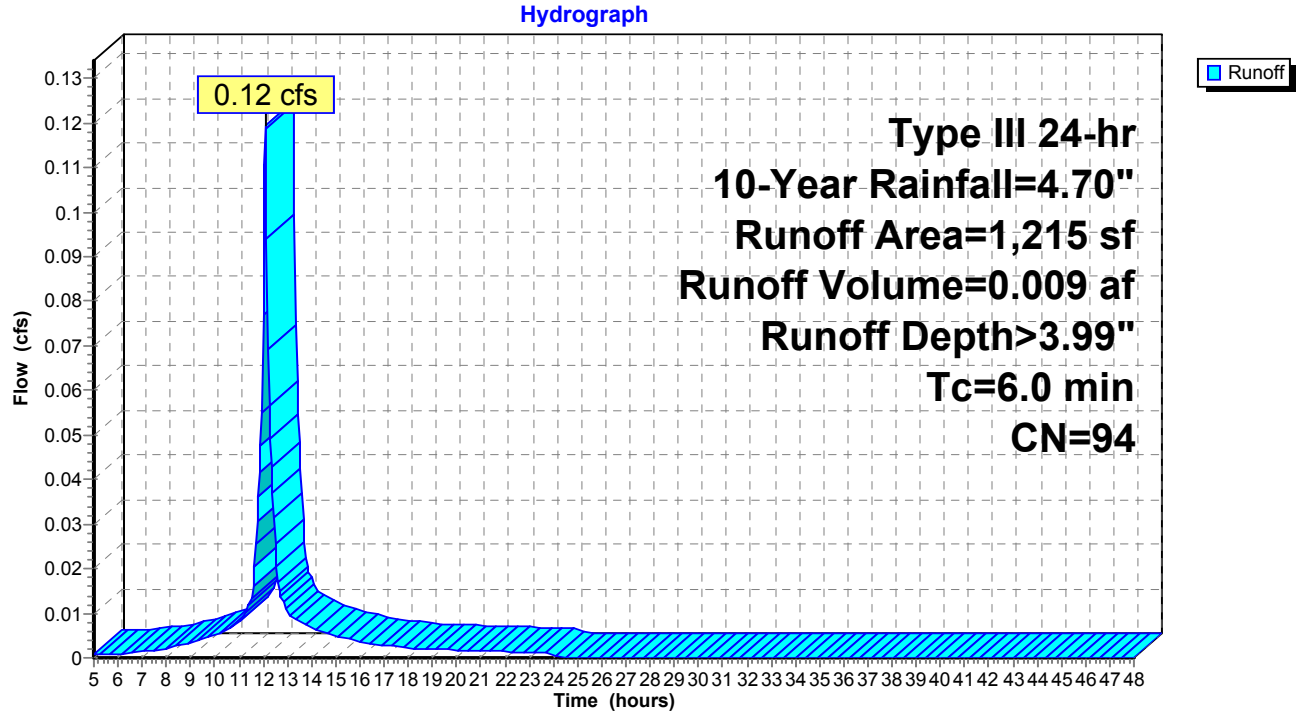
Runoff = 0.12 cfs @ 12.09 hrs, Volume= 0.009 af, Depth> 3.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 10-Year Rainfall=4.70"

Area (sf)	CN	Description
1,215	94	Fallow, bare soil, HSG D
1,215		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, DIRECT ENTRY**

Subcatchment 4S: DRIVEWAY



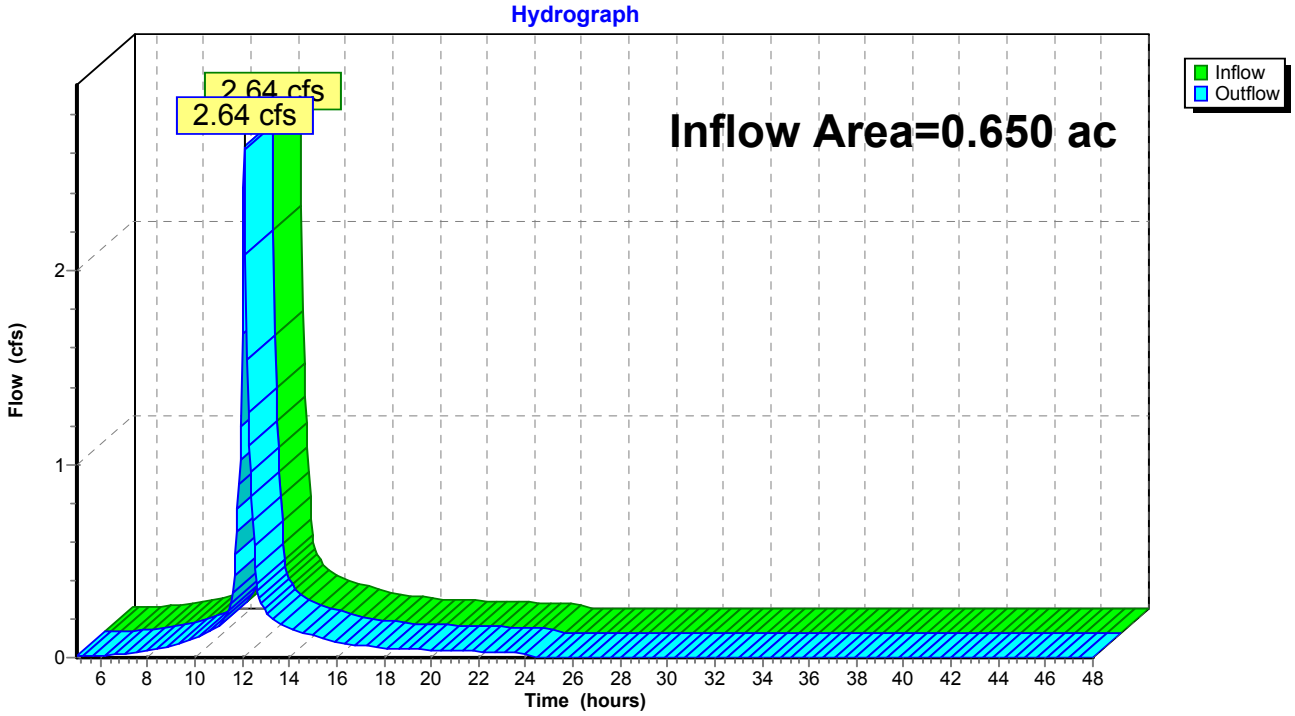
Summary for Reach DP-1: NORTH/EAST WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.650 ac, 0.00% Impervious, Inflow Depth > 3.69" for 10-Year event
Inflow = 2.64 cfs @ 12.09 hrs, Volume= 0.200 af
Outflow = 2.64 cfs @ 12.09 hrs, Volume= 0.200 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-1: NORTH/EAST WETLAND



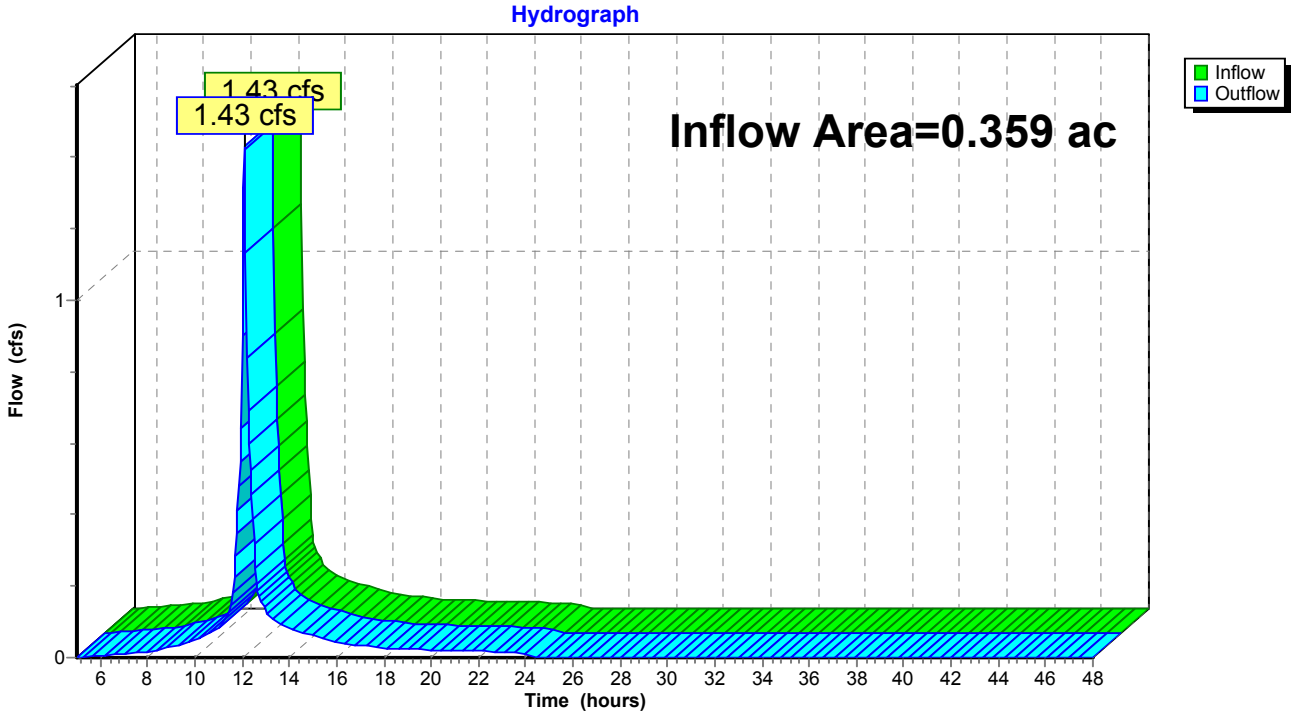
Summary for Reach DP-2: WEST WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.359 ac, 0.00% Impervious, Inflow Depth > 3.59" for 10-Year event
Inflow = 1.43 cfs @ 12.09 hrs, Volume= 0.107 af
Outflow = 1.43 cfs @ 12.09 hrs, Volume= 0.107 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-2: WEST WETLAND



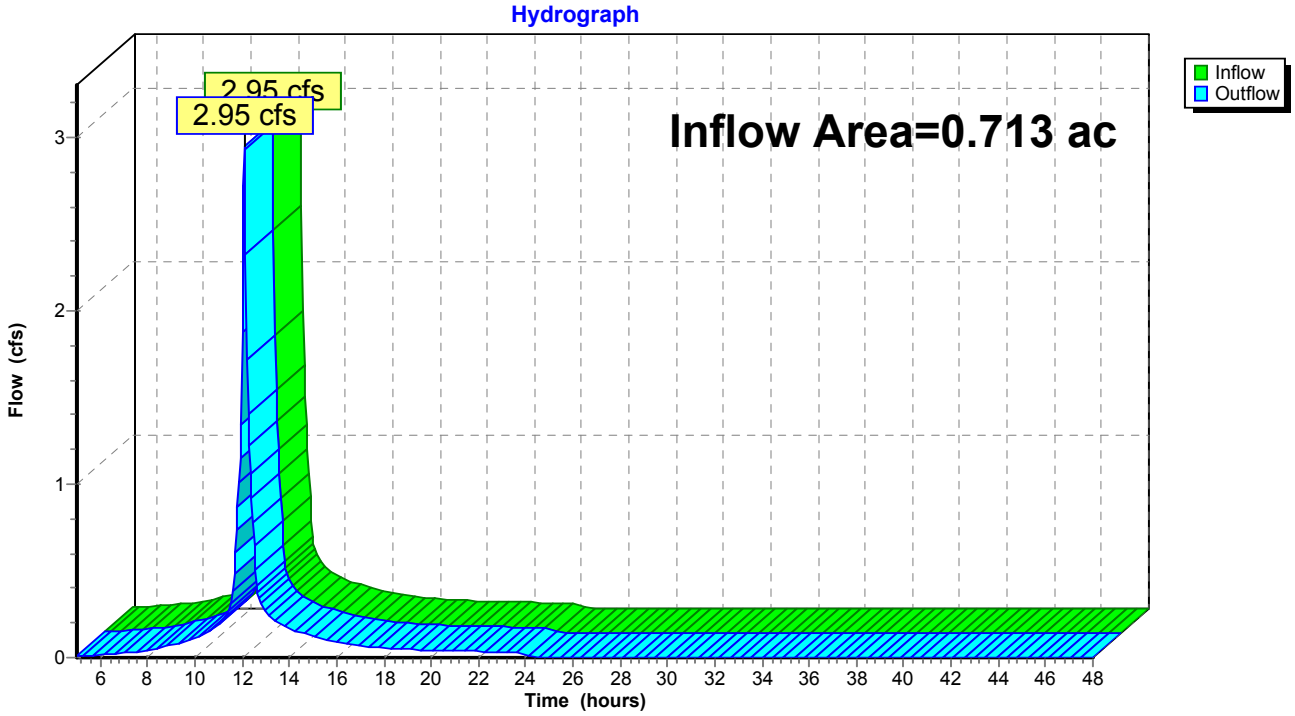
Summary for Reach DP-3: SOUTH WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.713 ac, 0.00% Impervious, Inflow Depth > 3.79" for 10-Year event
Inflow = 2.95 cfs @ 12.09 hrs, Volume= 0.225 af
Outflow = 2.95 cfs @ 12.09 hrs, Volume= 0.225 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-3: SOUTH WETLAND



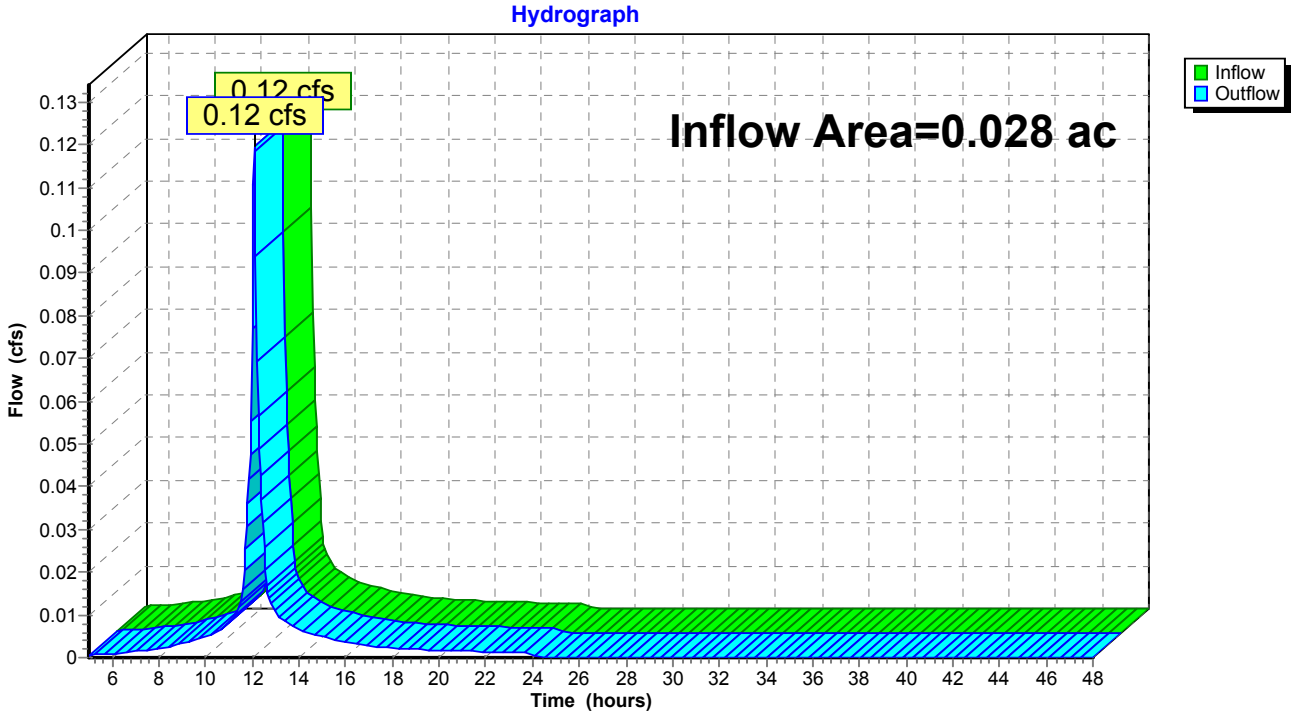
Summary for Reach DP-4: HENRY GRAF JR. ROAD

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.028 ac, 0.00% Impervious, Inflow Depth > 3.99" for 10-Year event
Inflow = 0.12 cfs @ 12.09 hrs, Volume= 0.009 af
Outflow = 0.12 cfs @ 12.09 hrs, Volume= 0.009 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-4: HENRY GRAF JR. ROAD



Time span=5.00-48.00 hrs, dt=0.05 hrs, 861 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1S: EAST SITE Runoff Area=28,315 sf 0.00% Impervious Runoff Depth>4.75"
Tc=6.0 min CN=91 Runoff=3.36 cfs 0.257 af

Subcatchment 2S: WEST SITE Runoff Area=15,639 sf 0.00% Impervious Runoff Depth>4.64"
Tc=6.0 min CN=90 Runoff=1.83 cfs 0.139 af

Subcatchment 3S: SOUTH SITE Runoff Area=31,038 sf 0.00% Impervious Runoff Depth>4.85"
Tc=6.0 min CN=92 Runoff=3.74 cfs 0.288 af

Subcatchment 4S: DRIVEWAY Runoff Area=1,215 sf 0.00% Impervious Runoff Depth>5.05"
Tc=6.0 min CN=94 Runoff=0.15 cfs 0.012 af

Reach DP-1: NORTH/EAST WETLAND Inflow=3.36 cfs 0.257 af
Outflow=3.36 cfs 0.257 af

Reach DP-2: WEST WETLAND Inflow=1.83 cfs 0.139 af
Outflow=1.83 cfs 0.139 af

Reach DP-3: SOUTH WETLAND Inflow=3.74 cfs 0.288 af
Outflow=3.74 cfs 0.288 af

Reach DP-4: HENRY GRAF JR. ROAD Inflow=0.15 cfs 0.012 af
Outflow=0.15 cfs 0.012 af

Total Runoff Area = 1.749 ac Runoff Volume = 0.696 af Average Runoff Depth = 4.77"
100.00% Pervious = 1.749 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: EAST SITE

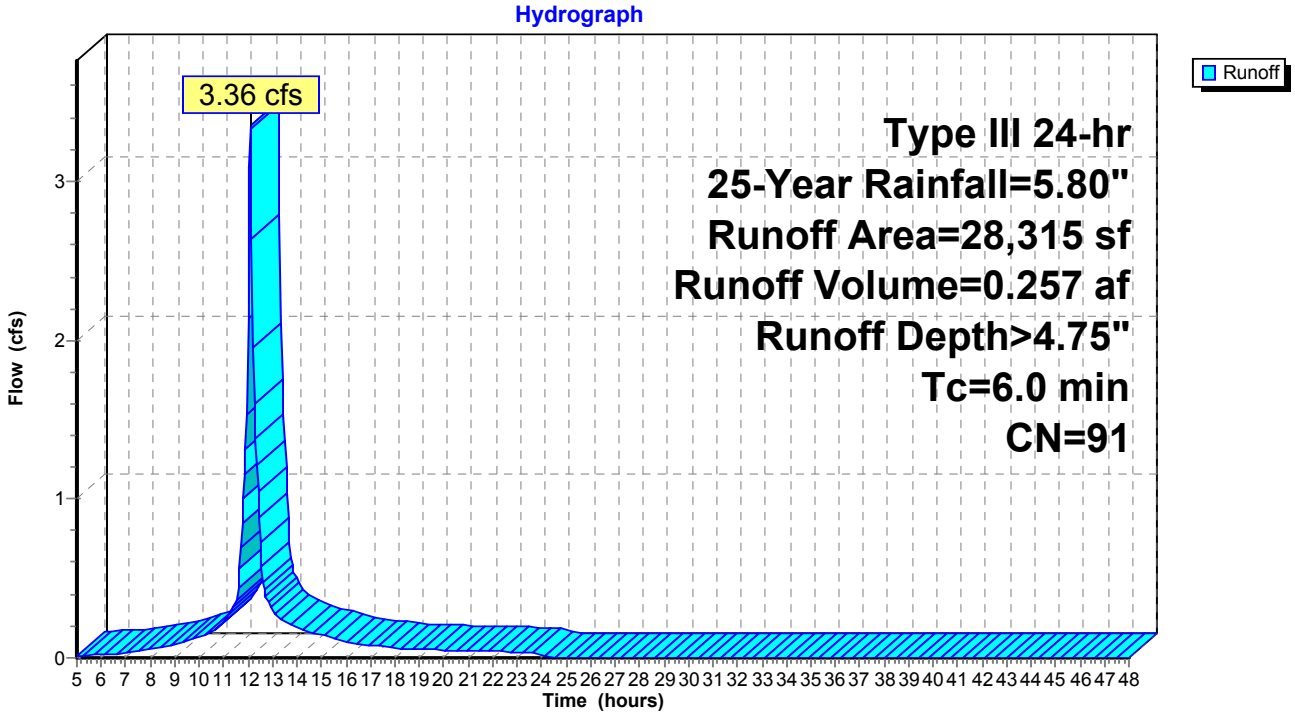
Runoff = 3.36 cfs @ 12.09 hrs, Volume= 0.257 af, Depth> 4.75"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 25-Year Rainfall=5.80"

Area (sf)	CN	Description
4,516	73	Brush, Good, HSG D
23,799	94	Fallow, bare soil, HSG D
28,315	91	Weighted Average
28,315		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, DIRECT ENTRY**

Subcatchment 1S: EAST SITE



Summary for Subcatchment 2S: WEST SITE

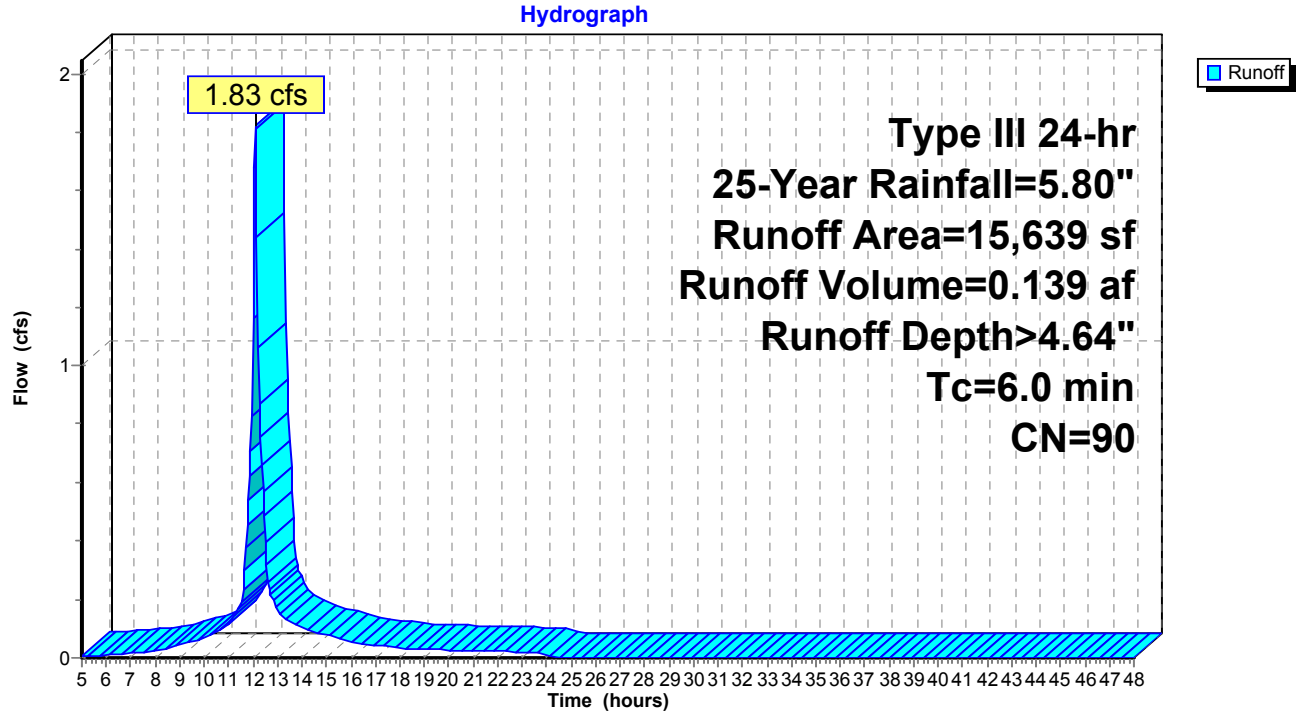
Runoff = 1.83 cfs @ 12.09 hrs, Volume= 0.139 af, Depth> 4.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 25-Year Rainfall=5.80"

Area (sf)	CN	Description
3,162	73	Brush, Good, HSG D
12,477	94	Fallow, bare soil, HSG D
15,639	90	Weighted Average
15,639		100.00% Pervious Area

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

Subcatchment 2S: WEST SITE



Summary for Subcatchment 3S: SOUTH SITE

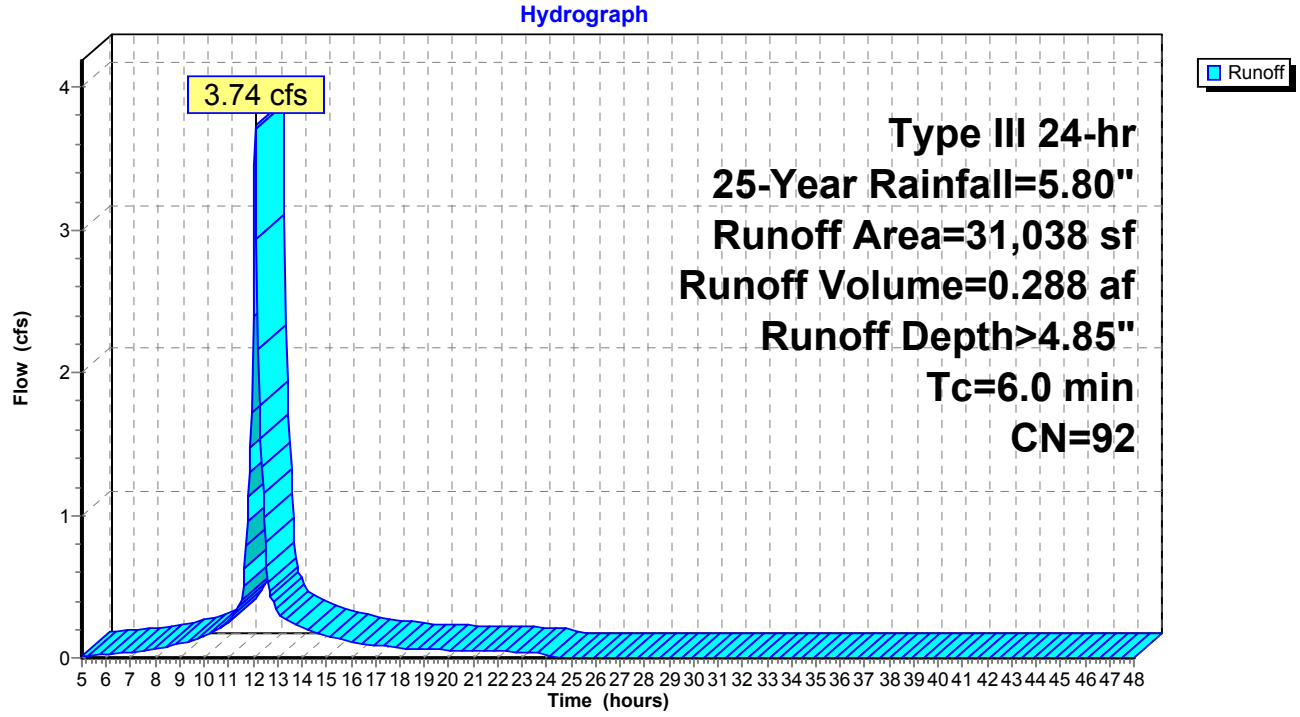
Runoff = 3.74 cfs @ 12.09 hrs, Volume= 0.288 af, Depth> 4.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 25-Year Rainfall=5.80"

Area (sf)	CN	Description
3,337	73	Brush, Good, HSG D
27,701	94	Fallow, bare soil, HSG D
31,038	92	Weighted Average
31,038		100.00% Pervious Area

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

Subcatchment 3S: SOUTH SITE



Summary for Subcatchment 4S: DRIVEWAY

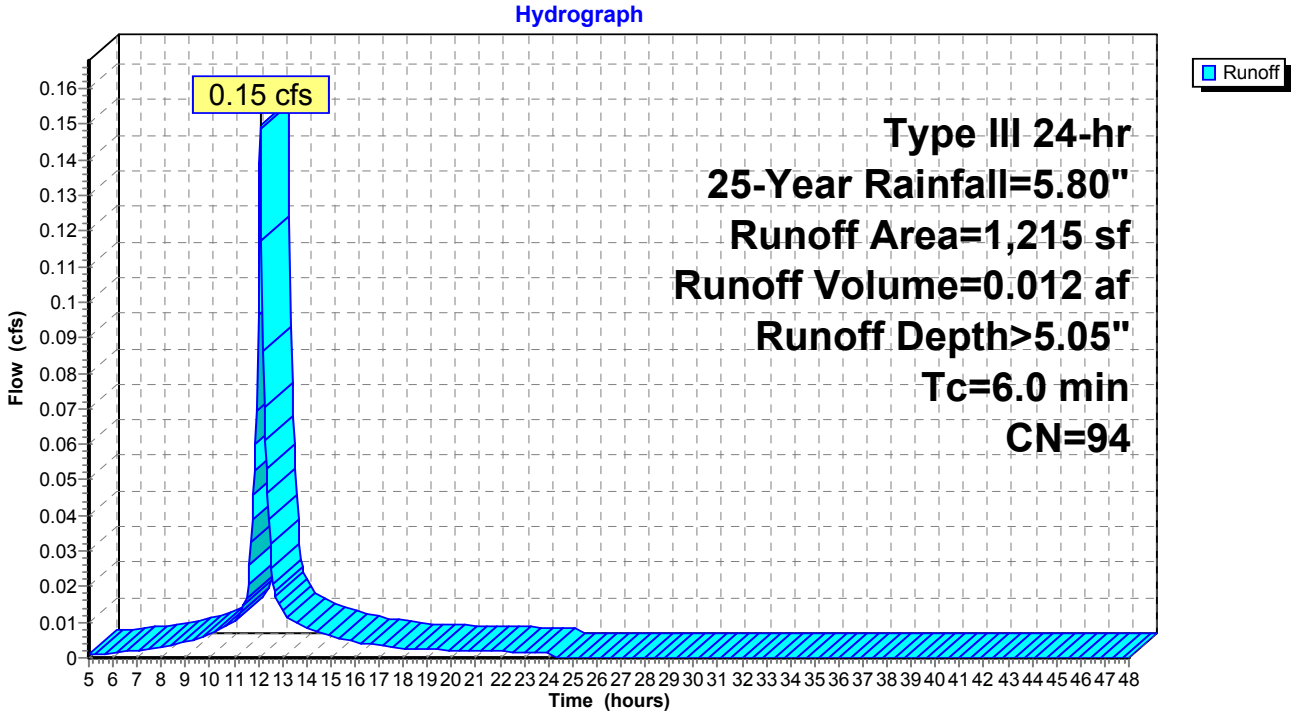
Runoff = 0.15 cfs @ 12.09 hrs, Volume= 0.012 af, Depth> 5.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 25-Year Rainfall=5.80"

Area (sf)	CN	Description
1,215	94	Fallow, bare soil, HSG D
1,215		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, DIRECT ENTRY**

Subcatchment 4S: DRIVEWAY



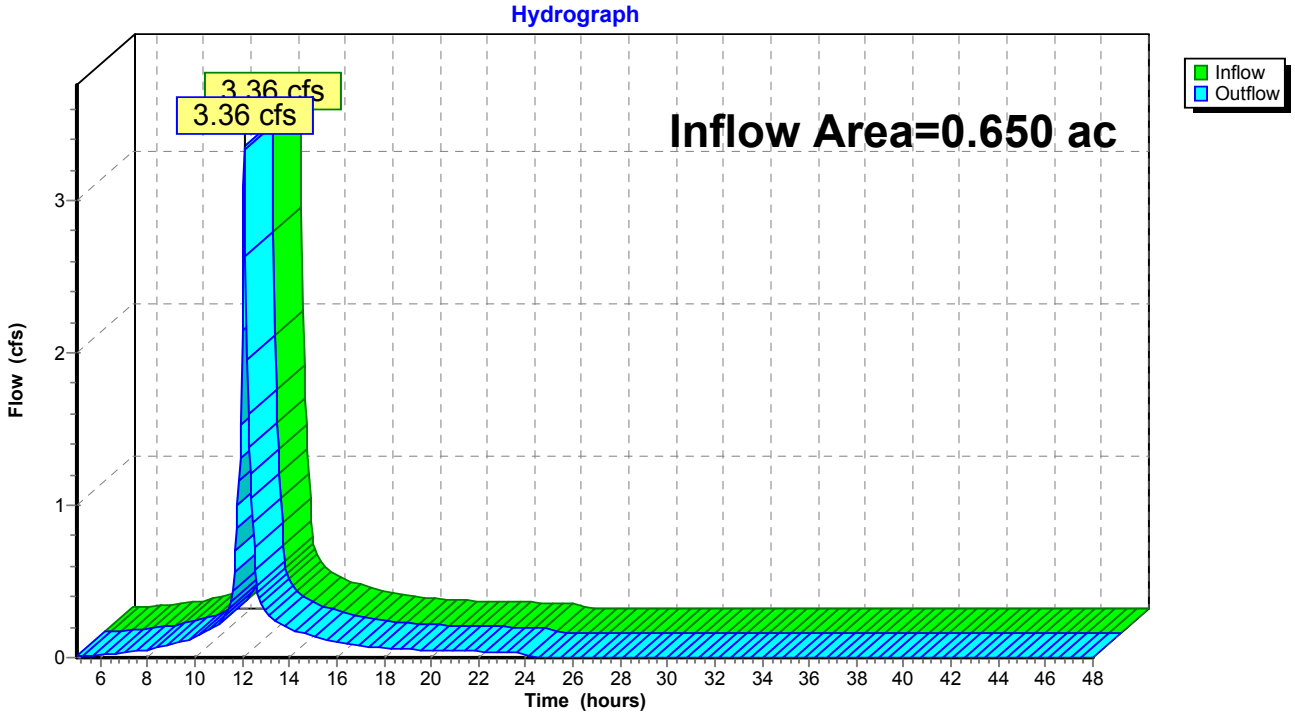
Summary for Reach DP-1: NORTH/EAST WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.650 ac, 0.00% Impervious, Inflow Depth > 4.75" for 25-Year event
Inflow = 3.36 cfs @ 12.09 hrs, Volume= 0.257 af
Outflow = 3.36 cfs @ 12.09 hrs, Volume= 0.257 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-1: NORTH/EAST WETLAND



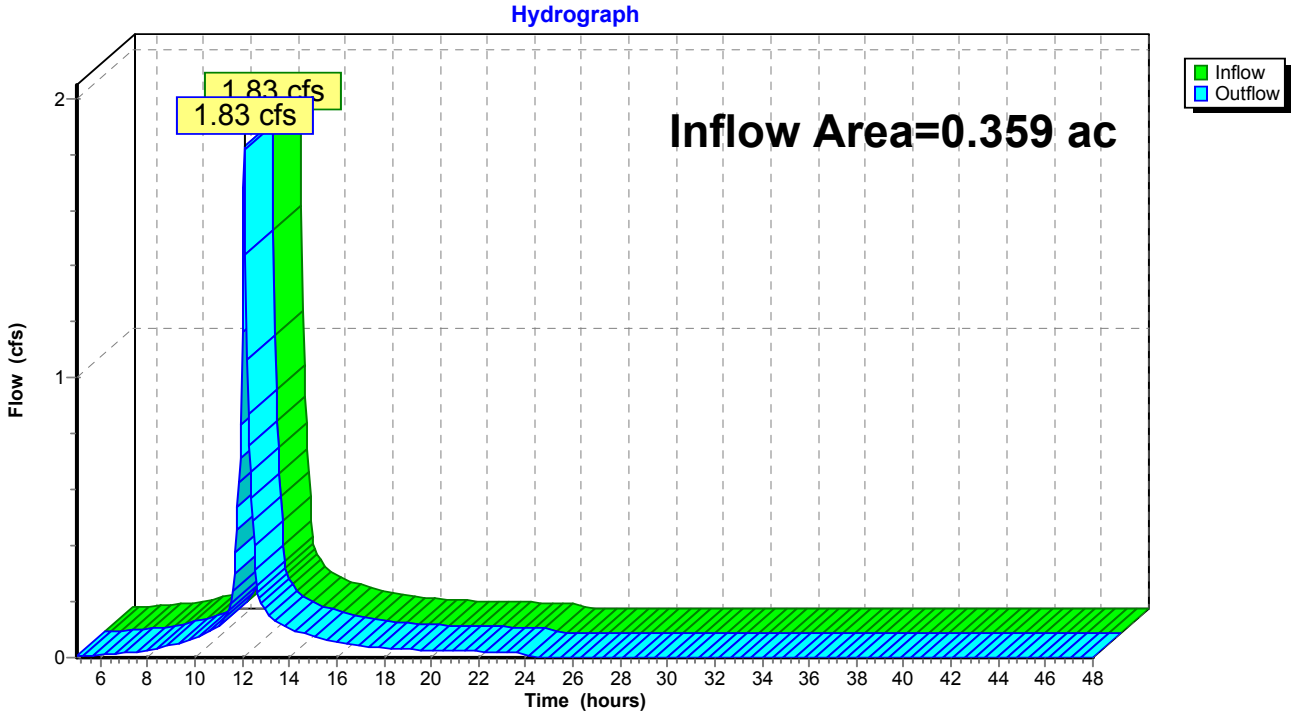
Summary for Reach DP-2: WEST WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.359 ac, 0.00% Impervious, Inflow Depth > 4.64" for 25-Year event
Inflow = 1.83 cfs @ 12.09 hrs, Volume= 0.139 af
Outflow = 1.83 cfs @ 12.09 hrs, Volume= 0.139 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-2: WEST WETLAND



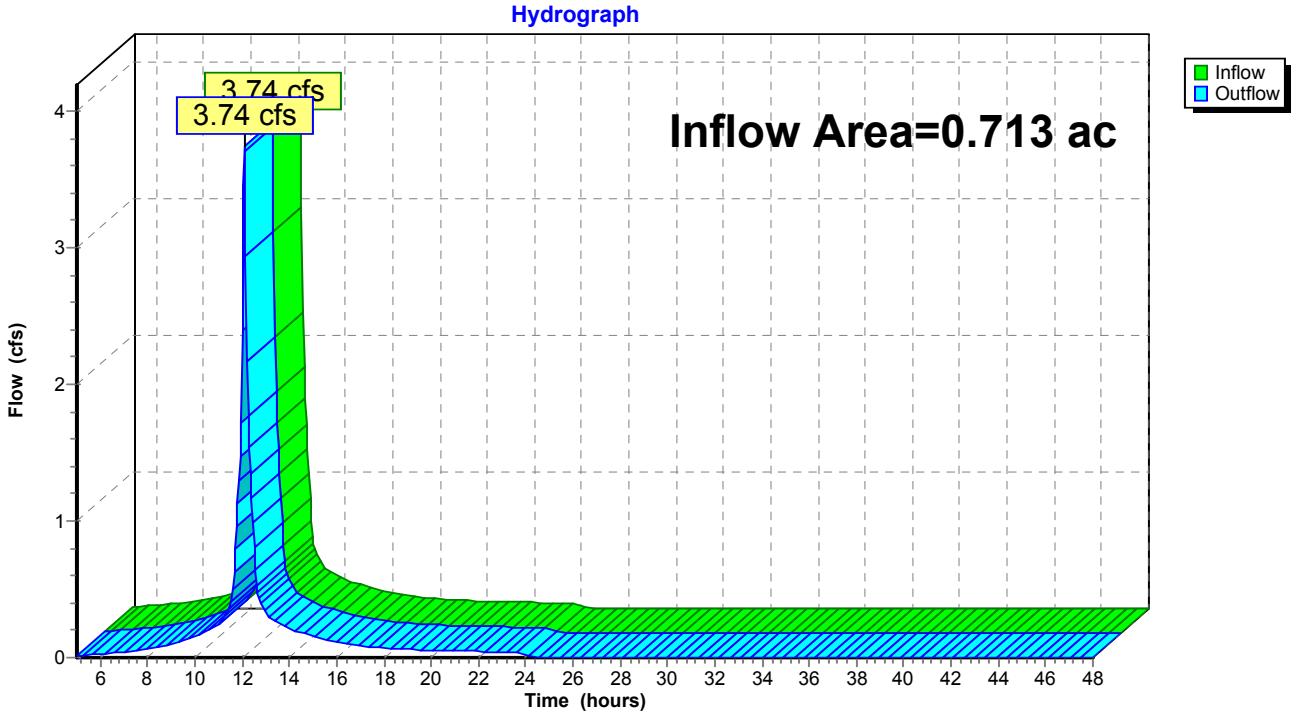
Summary for Reach DP-3: SOUTH WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.713 ac, 0.00% Impervious, Inflow Depth > 4.85" for 25-Year event
Inflow = 3.74 cfs @ 12.09 hrs, Volume= 0.288 af
Outflow = 3.74 cfs @ 12.09 hrs, Volume= 0.288 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-3: SOUTH WETLAND



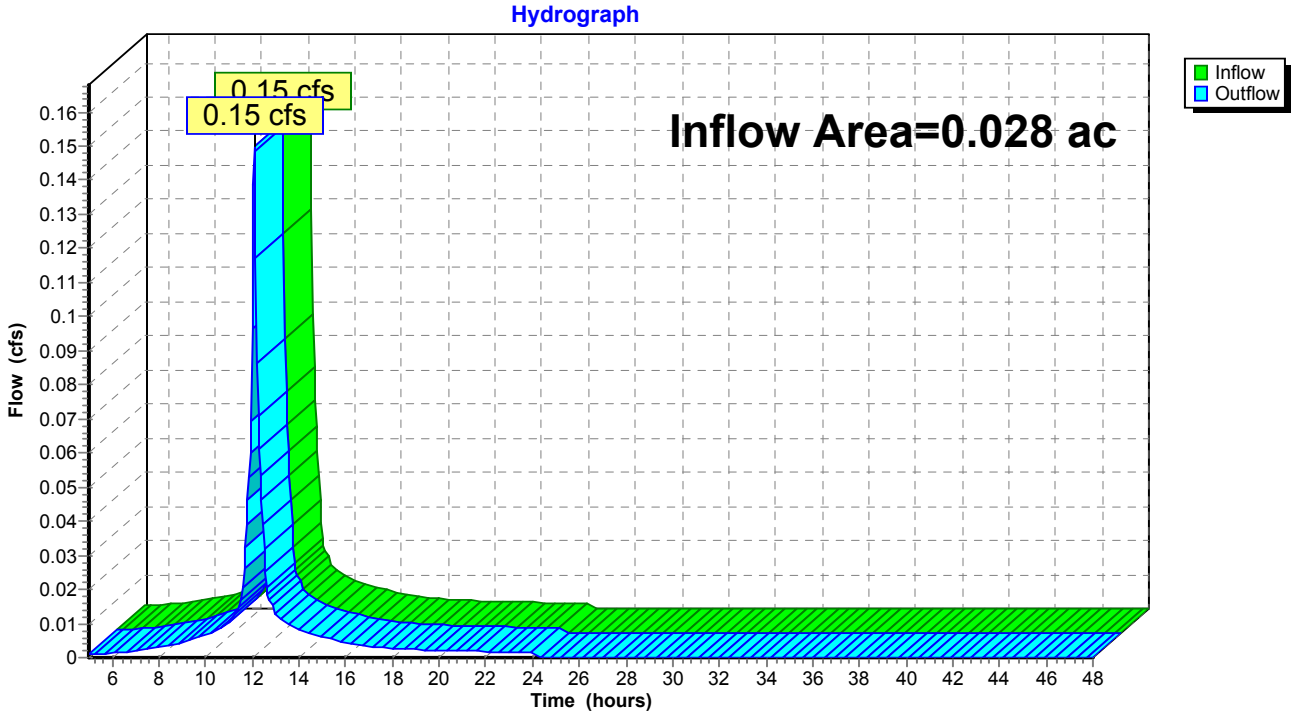
Summary for Reach DP-4: HENRY GRAF JR. ROAD

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.028 ac, 0.00% Impervious, Inflow Depth > 5.05" for 25-Year event
Inflow = 0.15 cfs @ 12.09 hrs, Volume= 0.012 af
Outflow = 0.15 cfs @ 12.09 hrs, Volume= 0.012 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-4: HENRY GRAF JR. ROAD



Time span=5.00-48.00 hrs, dt=0.05 hrs, 861 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment 1S: EAST SITE Runoff Area=28,315 sf 0.00% Impervious Runoff Depth>7.17"
Tc=6.0 min CN=91 Runoff=4.98 cfs 0.388 af

Subcatchment 2S: WEST SITE Runoff Area=15,639 sf 0.00% Impervious Runoff Depth>7.06"
Tc=6.0 min CN=90 Runoff=2.72 cfs 0.211 af

Subcatchment 3S: SOUTH SITE Runoff Area=31,038 sf 0.00% Impervious Runoff Depth>7.27"
Tc=6.0 min CN=92 Runoff=5.50 cfs 0.432 af

Subcatchment 4S: DRIVEWAY Runoff Area=1,215 sf 0.00% Impervious Runoff Depth>7.47"
Tc=6.0 min CN=94 Runoff=0.22 cfs 0.017 af

Reach DP-1: NORTH/EAST WETLAND Inflow=4.98 cfs 0.388 af
Outflow=4.98 cfs 0.388 af

Reach DP-2: WEST WETLAND Inflow=2.72 cfs 0.211 af
Outflow=2.72 cfs 0.211 af

Reach DP-3: SOUTH WETLAND Inflow=5.50 cfs 0.432 af
Outflow=5.50 cfs 0.432 af

Reach DP-4: HENRY GRAF JR. ROAD Inflow=0.22 cfs 0.017 af
Outflow=0.22 cfs 0.017 af

Total Runoff Area = 1.749 ac Runoff Volume = 1.049 af Average Runoff Depth = 7.19"
100.00% Pervious = 1.749 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: EAST SITE

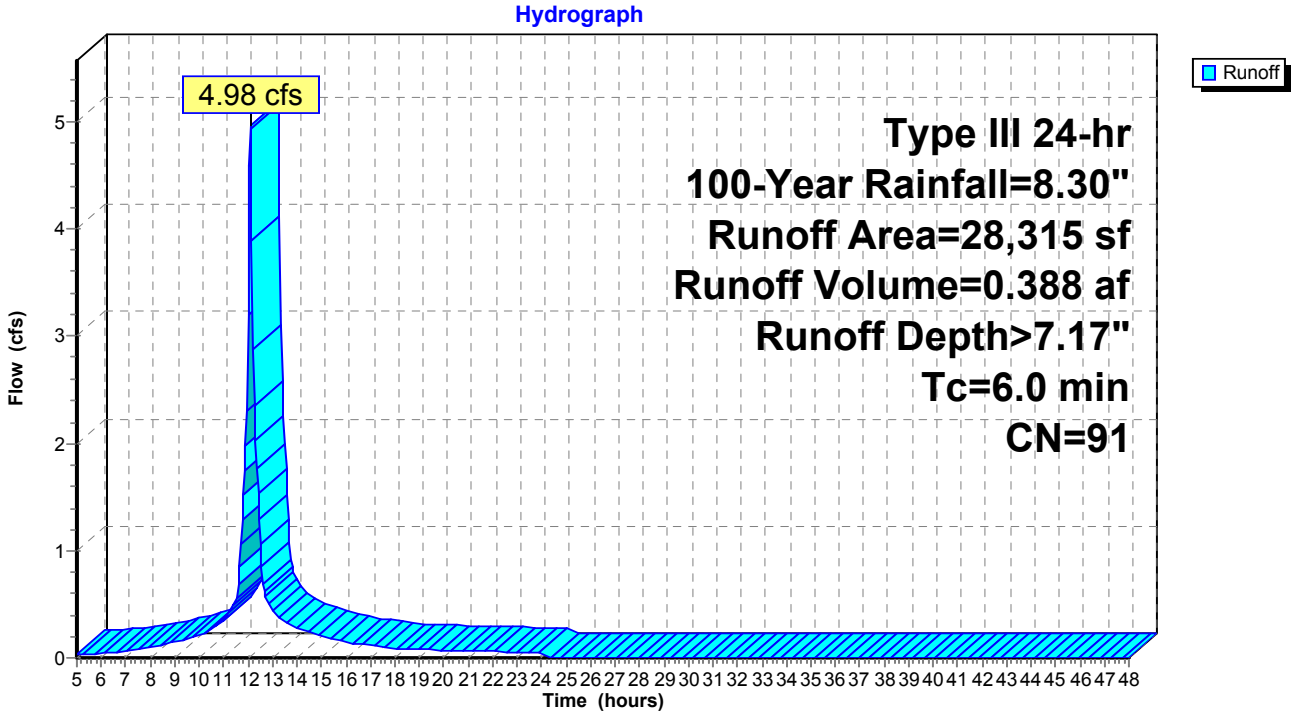
Runoff = 4.98 cfs @ 12.09 hrs, Volume= 0.388 af, Depth> 7.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.30"

Area (sf)	CN	Description
4,516	73	Brush, Good, HSG D
23,799	94	Fallow, bare soil, HSG D
28,315	91	Weighted Average
28,315		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, DIRECT ENTRY**

Subcatchment 1S: EAST SITE



Summary for Subcatchment 2S: WEST SITE

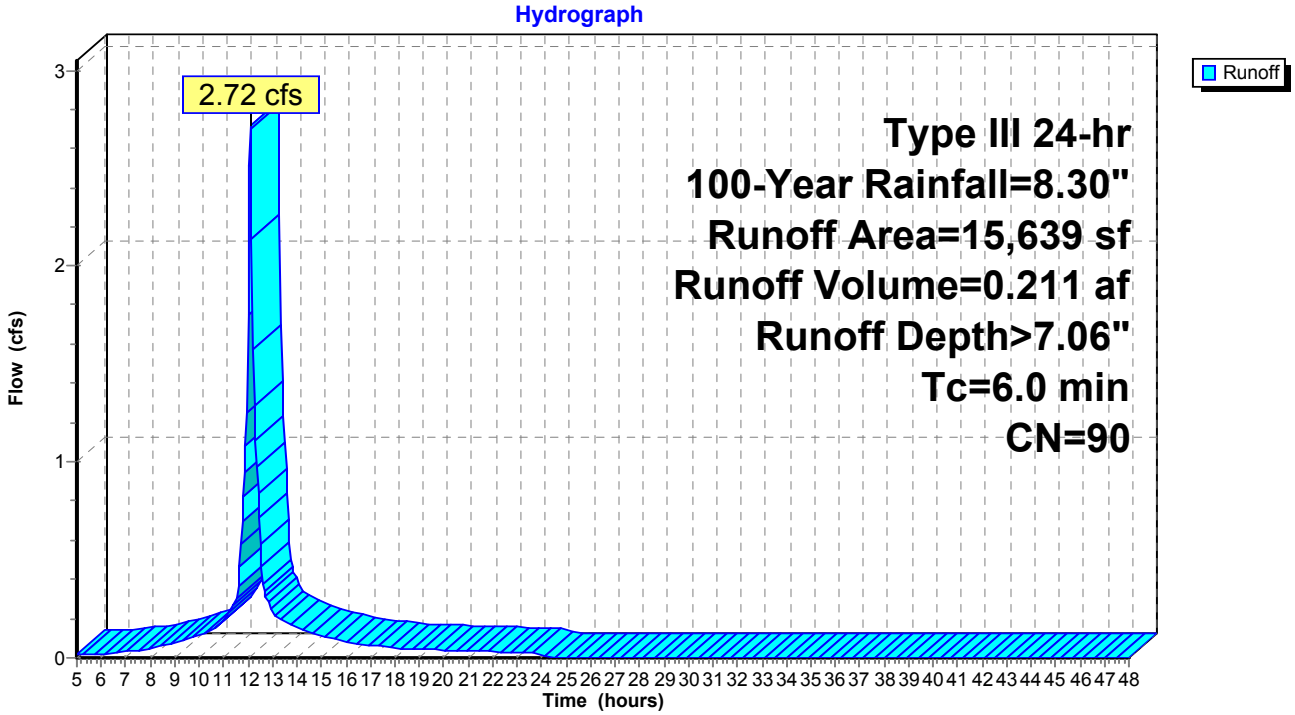
Runoff = 2.72 cfs @ 12.09 hrs, Volume= 0.211 af, Depth> 7.06"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.30"

Area (sf)	CN	Description
3,162	73	Brush, Good, HSG D
12,477	94	Fallow, bare soil, HSG D
15,639	90	Weighted Average
15,639		100.00% Pervious Area

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

Subcatchment 2S: WEST SITE



Summary for Subcatchment 3S: SOUTH SITE

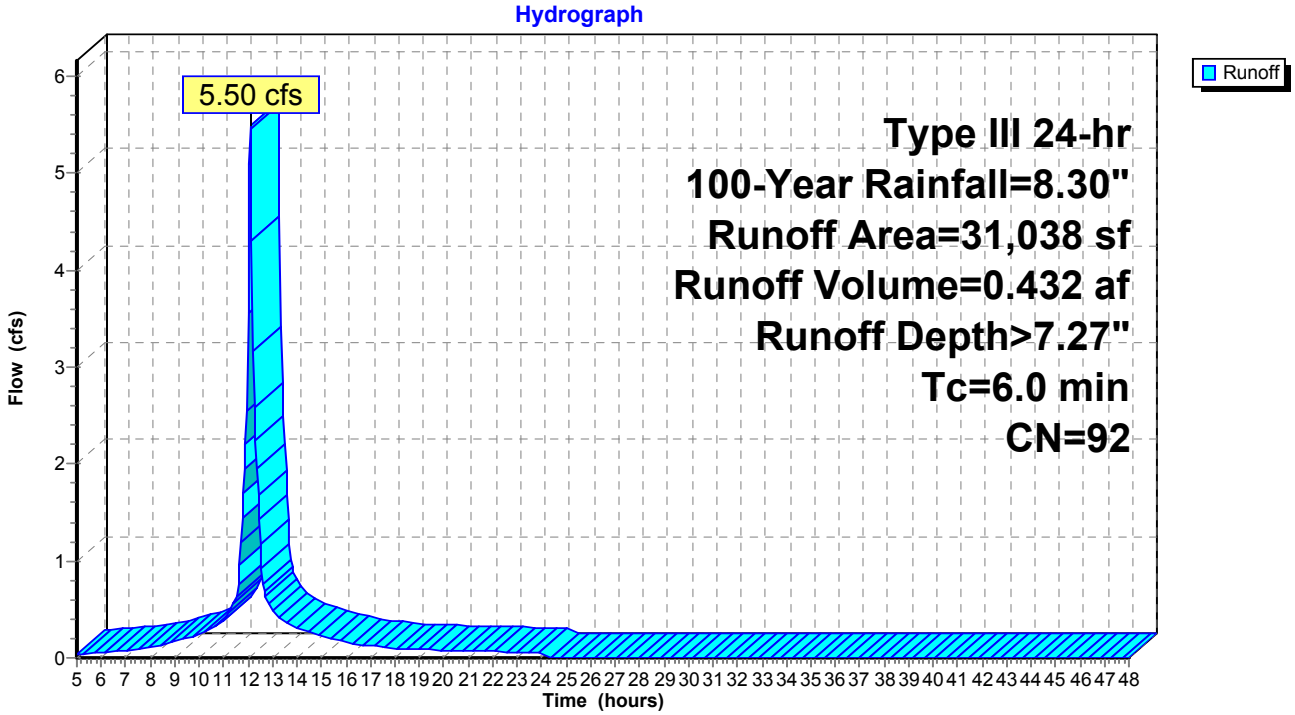
Runoff = 5.50 cfs @ 12.09 hrs, Volume= 0.432 af, Depth> 7.27"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.30"

Area (sf)	CN	Description
3,337	73	Brush, Good, HSG D
27,701	94	Fallow, bare soil, HSG D
31,038	92	Weighted Average
31,038		100.00% Pervious Area

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

Subcatchment 3S: SOUTH SITE



Summary for Subcatchment 4S: DRIVEWAY

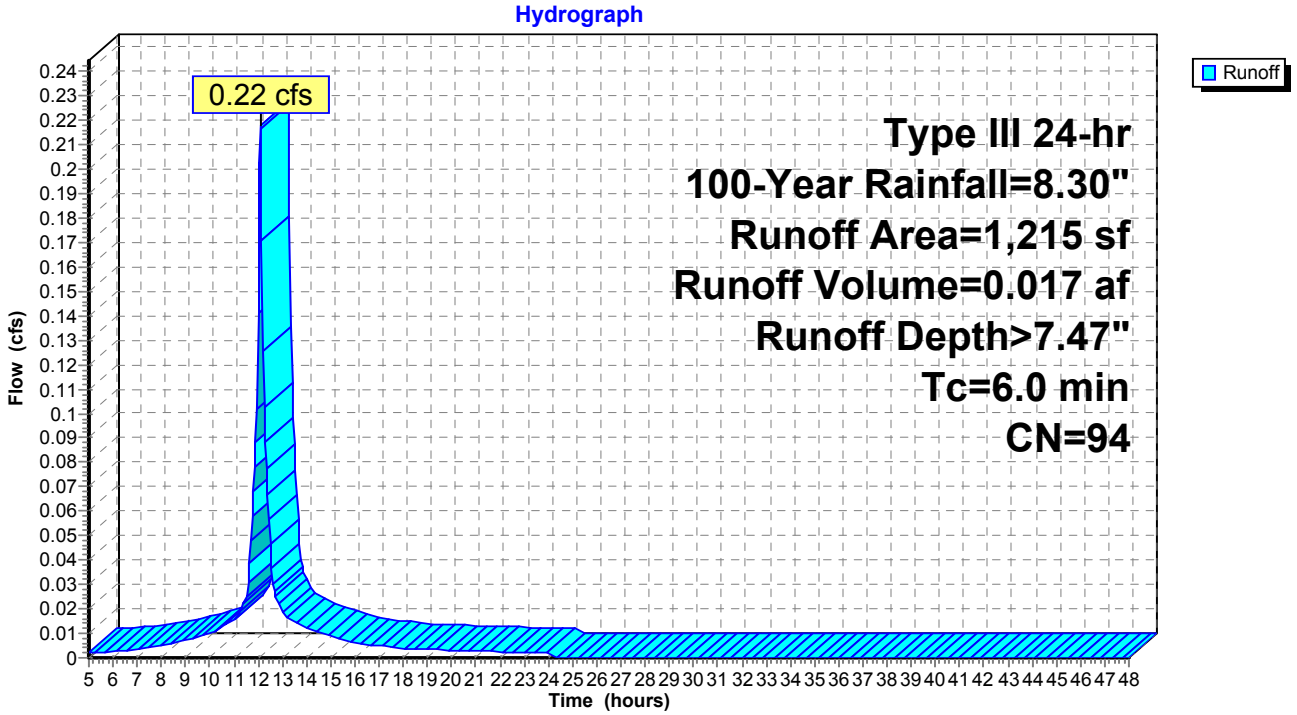
Runoff = 0.22 cfs @ 12.09 hrs, Volume= 0.017 af, Depth> 7.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs
Type III 24-hr 100-Year Rainfall=8.30"

Area (sf)	CN	Description
1,215	94	Fallow, bare soil, HSG D
1,215		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					**Direct Entry, DIRECT ENTRY**

Subcatchment 4S: DRIVEWAY



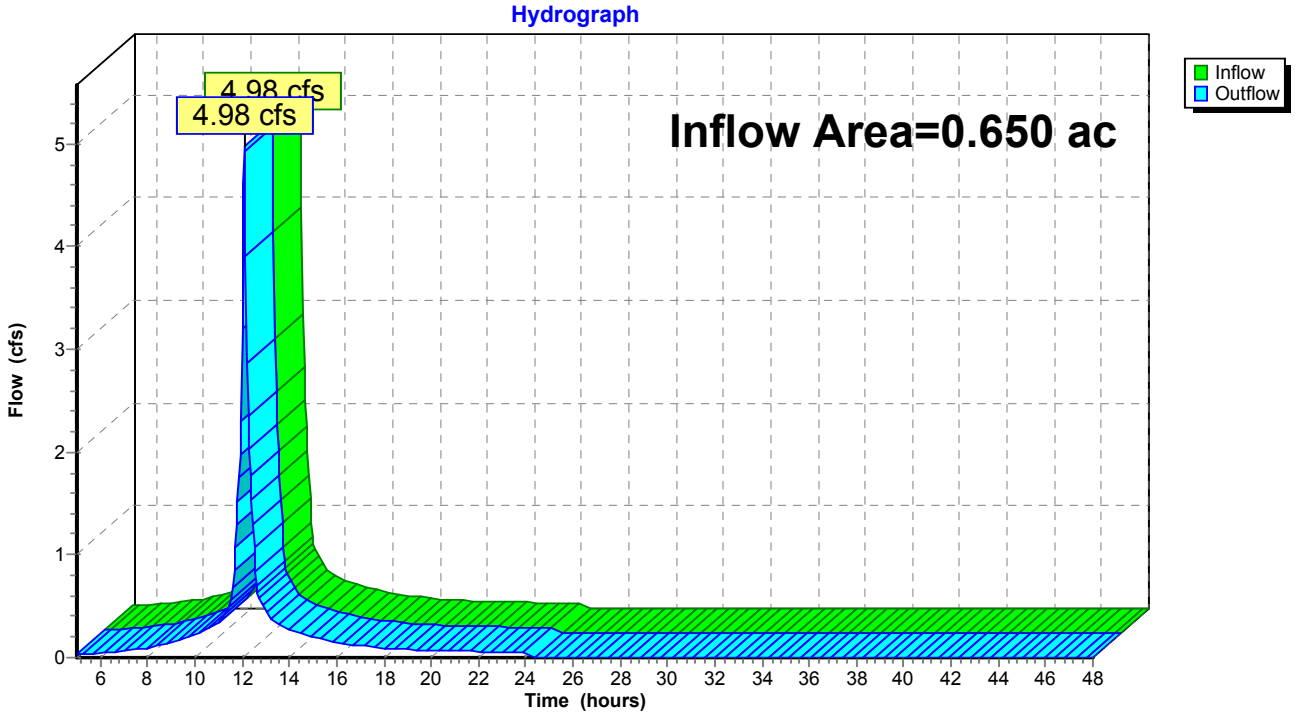
Summary for Reach DP-1: NORTH/EAST WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.650 ac, 0.00% Impervious, Inflow Depth > 7.17" for 100-Year event
Inflow = 4.98 cfs @ 12.09 hrs, Volume= 0.388 af
Outflow = 4.98 cfs @ 12.09 hrs, Volume= 0.388 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-1: NORTH/EAST WETLAND



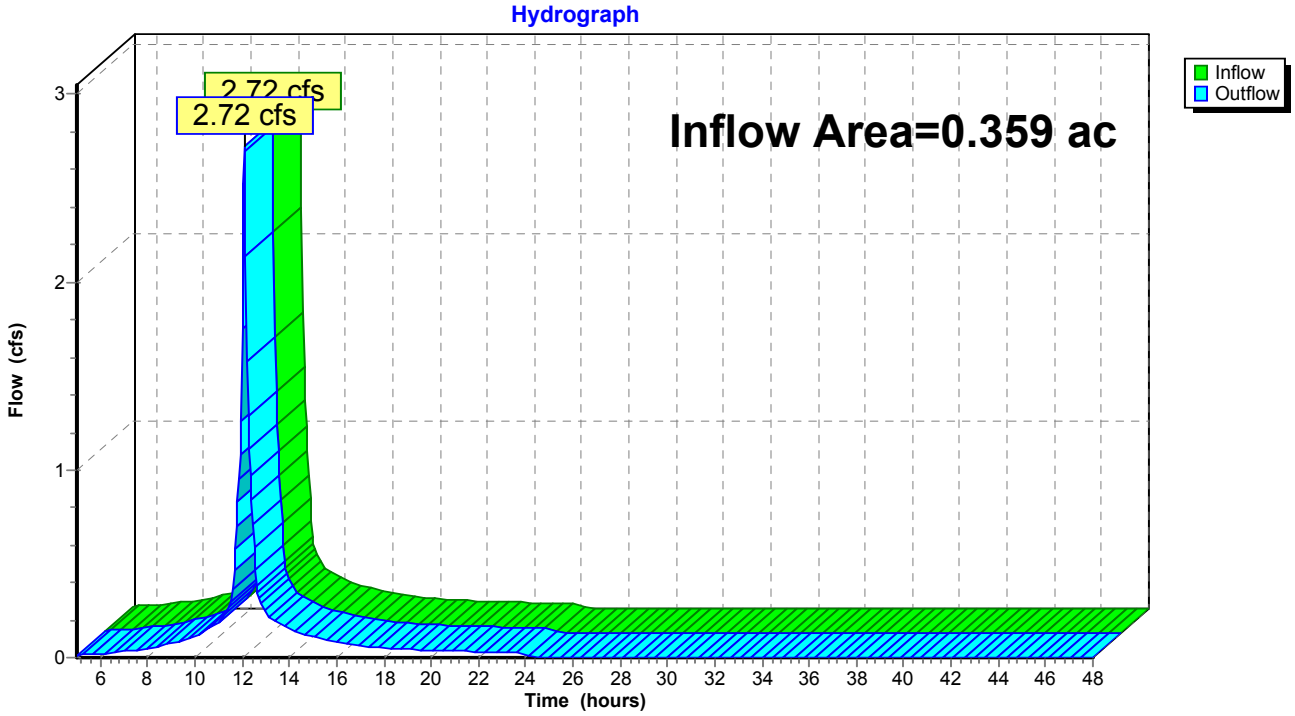
Summary for Reach DP-2: WEST WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.359 ac, 0.00% Impervious, Inflow Depth > 7.06" for 100-Year event
Inflow = 2.72 cfs @ 12.09 hrs, Volume= 0.211 af
Outflow = 2.72 cfs @ 12.09 hrs, Volume= 0.211 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-2: WEST WETLAND



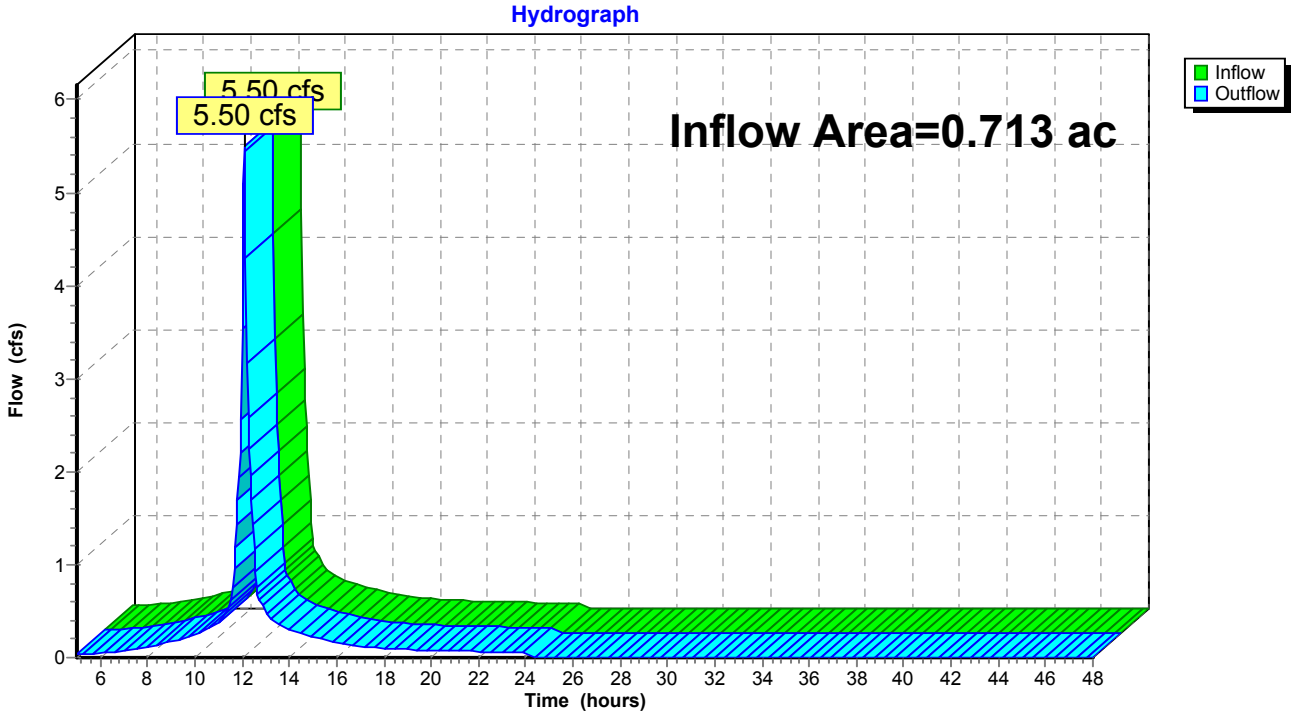
Summary for Reach DP-3: SOUTH WETLAND

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.713 ac, 0.00% Impervious, Inflow Depth > 7.27" for 100-Year event
Inflow = 5.50 cfs @ 12.09 hrs, Volume= 0.432 af
Outflow = 5.50 cfs @ 12.09 hrs, Volume= 0.432 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-3: SOUTH WETLAND



Summary for Reach DP-4: HENRY GRAF JR. ROAD

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.028 ac, 0.00% Impervious, Inflow Depth > 7.47" for 100-Year event
Inflow = 0.22 cfs @ 12.09 hrs, Volume= 0.017 af
Outflow = 0.22 cfs @ 12.09 hrs, Volume= 0.017 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 5.00-48.00 hrs, dt= 0.05 hrs

Reach DP-4: HENRY GRAF JR. ROAD