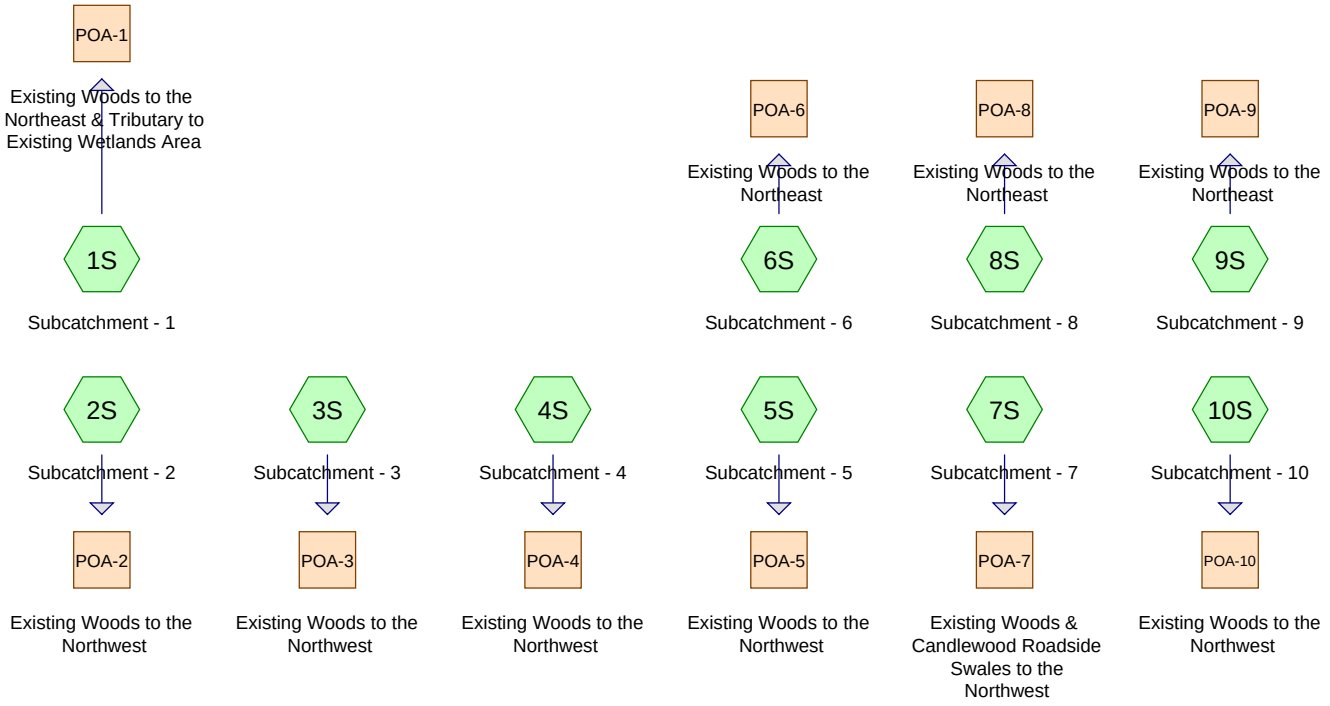
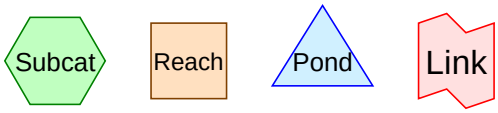




Routing Diagram for New Milford Pre-Development
Prepared by AMECFW, Printed 6/27/2017

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
62.135	70	Woods, Good, HSG C (1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S)
2.273	74	Pasture/grassland/range, Good, HSG C (7S)
8.723	77	Woods, Good, HSG D (1S, 2S, 7S)
10.179	86	Pasture/grassland/range, Poor, HSG C (6S, 8S, 9S, 10S)
0.046	96	Gravel Road surface, HSG C (10S)
0.574	96	Gravel surface, HSG C (7S)
2.036	98	Unconnected Outcrop, HSG C (7S, 9S)
3.799	98	Unconnected Outcrop, HSG D (1S, 2S, 6S, 8S, 9S)
89.764	**75**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
77.242	HSG C	1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S
12.522	HSG D	1S, 2S, 6S, 7S, 8S, 9S
0.000	Other	
89.764		**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	0.046	0.000	0.000	0.046	Gravel Road surface	10S
0.000	0.000	2.036	3.799	0.000	5.835	Unconnected Outcrop	1S, 2S, 6S, 7S, 8S, 9S
0.000	0.000	0.574	0.000	0.000	0.574	Gravel surface	7S
0.000	0.000	10.179	0.000	0.000	10.179	Pasture/grassland/range, Poor	6S, 8S, 9S, 10S
0.000	0.000	2.273	0.000	0.000	2.273	Pasture/grassland/range, Good	7S
0.000	0.000	62.135	8.723	0.000	70.858	Woods, Good	1S, 2S, 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S

Ground Covers (all nodes) (continued)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	**0.000**	**77.242**	**12.522**	**0.000**	**89.764**	**TOTAL AREA**	

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: Subcatchment- 1 Runoff Area=524,221 sf 12.76% Impervious Runoff Depth=0.67"
Flow Length=1,200' Tc=11.9 min UI Adjusted CN=74 Runoff=6.83 cfs 0.667 af

Subcatchment2S: Subcatchment- 2 Runoff Area=560,880 sf 7.54% Impervious Runoff Depth=0.67"
Flow Length=910' Tc=6.0 min UI Adjusted CN=74 Runoff=8.96 cfs 0.714 af

Subcatchment3S: Subcatchment- 3 Runoff Area=245,605 sf 0.00% Impervious Runoff Depth=0.50"
Flow Length=950' Tc=39.6 min CN=70 Runoff=1.33 cfs 0.237 af

Subcatchment4S: Subcatchment- 4 Runoff Area=337,786 sf 0.00% Impervious Runoff Depth=0.50"
Flow Length=1,000' Tc=25.6 min CN=70 Runoff=2.23 cfs 0.326 af

Subcatchment5S: Subcatchment- 5 Runoff Area=276,214 sf 0.00% Impervious Runoff Depth=0.50"
Flow Length=950' Tc=25.1 min CN=70 Runoff=1.84 cfs 0.266 af

Subcatchment6S: Subcatchment- 6 Runoff Area=295,973 sf 1.89% Impervious Runoff Depth=0.62"
Flow Length=1,050' Tc=45.7 min CN=73 Runoff=1.98 cfs 0.352 af

Subcatchment7S: Subcatchment- 7 Runoff Area=481,846 sf 15.77% Impervious Runoff Depth=0.71"
Flow Length=1,150' Tc=25.7 min UI Adjusted CN=75 Runoff=5.05 cfs 0.654 af

Subcatchment8S: Subcatchment- 8 Runoff Area=578,171 sf 1.44% Impervious Runoff Depth=0.80"
Flow Length=1,075' Tc=20.4 min CN=77 Runoff=7.79 cfs 0.889 af

Subcatchment9S: Subcatchment- 9 Runoff Area=409,386 sf 13.45% Impervious Runoff Depth=0.80"
Flow Length=1,275' Tc=20.2 min UI Adjusted CN=77 Runoff=5.53 cfs 0.629 af

Subcatchment10S: Subcatchment- 10 Runoff Area=200,033 sf 0.00% Impervious Runoff Depth=0.58"
Flow Length=700' Tc=18.9 min CN=72 Runoff=1.82 cfs 0.222 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=6.83 cfs 0.667 af
Outflow=6.83 cfs 0.667 af

Reach POA-10: Existing Woods to the Northwest Inflow=1.82 cfs 0.222 af
Outflow=1.82 cfs 0.222 af

Reach POA-2: Existing Woods to the Northwest Inflow=8.96 cfs 0.714 af
Outflow=8.96 cfs 0.714 af

Reach POA-3: Existing Woods to the Northwest Inflow=1.33 cfs 0.237 af
Outflow=1.33 cfs 0.237 af

Reach POA-4: Existing Woods to the Northwest Inflow=2.23 cfs 0.326 af
Outflow=2.23 cfs 0.326 af

Reach POA-5: Existing Woods to the Northwest Inflow=1.84 cfs 0.266 af
Outflow=1.84 cfs 0.266 af

Reach POA-6: Existing Woods to the Northeast Inflow=1.98 cfs 0.352 af
Outflow=1.98 cfs 0.352 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=5.05 cfs 0.654 af
Outflow=5.05 cfs 0.654 af

Reach POA-8: Existing Woods to the Northeast Inflow=7.79 cfs 0.889 af
Outflow=7.79 cfs 0.889 af

Reach POA-9: Existing Woods to the Northeast Inflow=5.53 cfs 0.629 af
Outflow=5.53 cfs 0.629 af

Total Runoff Area = 89.764 ac Runoff Volume = 4.957 af Average Runoff Depth = 0.66"
93.50% Pervious = 83.929 ac 6.50% Impervious = 5.835 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 6.83 cfs @ 12.18 hrs, Volume= 0.667 af, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	31,320	98	Unconnected Outcrop, HSG D
	119,196	77	Woods, Good, HSG D
	86,728	70	Woods, Good, HSG C
	231,002	70	Woods, Good, HSG C
	20,386	77	Woods, Good, HSG D
*	35,589	98	Unconnected Outcrop, HSG D
	524,221	75	Weighted Average, UI Adjusted CN = 74
	457,312		87.24% Pervious Area
	66,909		12.76% Impervious Area
	66,909		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1500	3.08		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.3	200	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
11.1	900	0.0730	1.35		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
11.9	1,200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff = 8.96 cfs @ 12.10 hrs, Volume= 0.714 af, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
	518,592		92.46% Pervious Area
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1600	3.16		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
5.9	910	Total, Increased to minimum Tc = 6.0 min			

Summary for Subcatchment 3S: Subcatchment - 3

Runoff = 1.33 cfs @ 12.64 hrs, Volume= 0.237 af, Depth= 0.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
196,656	70	Woods, Good, HSG C
48,949	70	Woods, Good, HSG C
245,605	70	Weighted Average
245,605		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.7	150	0.0200	0.08		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
3.3	150	0.0230	0.76		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
3.4	350	0.1200	1.73		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.2	300	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 2.23 cfs @ 12.43 hrs, Volume= 0.326 af, Depth= 0.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
8,570	70	Woods, Good, HSG C
329,216	70	Woods, Good, HSG C
337,786	70	Weighted Average
337,786		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.5	850	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.6	1,000	Total			

Summary for Subcatchment 5S: Subcatchment - 5

Runoff = 1.84 cfs @ 12.42 hrs, Volume= 0.266 af, Depth= 0.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
129,095	70	Woods, Good, HSG C
147,119	70	Woods, Good, HSG C
276,214	70	Weighted Average
276,214		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 6S: Subcatchment - 6

Runoff = 1.98 cfs @ 12.70 hrs, Volume= 0.352 af, Depth= 0.62"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	5,603	98	Unconnected Outcrop, HSG D
	240,370	70	Woods, Good, HSG C
	50,000	86	Pasture/grassland/range, Poor, HSG C
	295,973	73	Weighted Average
	290,370		98.11% Pervious Area
	5,603		1.89% Impervious Area
	5,603		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	150	0.0130	0.07		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
45.7	1,050	Total			

Summary for Subcatchment 7S: Subcatchment - 7

Runoff = 5.05 cfs @ 12.40 hrs, Volume= 0.654 af, Depth= 0.71"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
	76,444	70	Woods, Good, HSG C
	182,402	70	Woods, Good, HSG C
	99,000	74	Pasture/grassland/range, Good, HSG C
	25,000	96	Gravel surface, HSG C
	23,000	77	Woods, Good, HSG D
*	76,000	98	Unconnected Outcrop, HSG C
	481,846	77	Weighted Average, UI Adjusted CN = 75
	405,846		84.23% Pervious Area
	76,000		15.77% Impervious Area
	76,000		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
0.1	70	0.2000	9.08		**Shallow Concentrated Flow, Shallow Flow C-D** Paved Kv= 20.3 fps
0.9	120	0.2100	2.29		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
0.1	80	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow E-F** Paved Kv= 20.3 fps
1.9	190	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow F-G** Woodland Kv= 5.0 fps
4.0	380	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow G-H** Short Grass Pasture Kv= 7.0 fps
25.7	1,150	Total			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 7.79 cfs @ 12.31 hrs, Volume= 0.889 af, Depth= 0.80"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	8,320	98	Unconnected Outcrop, HSG D
	321,473	70	Woods, Good, HSG C
	248,378	86	Pasture/grassland/range, Poor, HSG C
	578,171	77	Weighted Average
	569,851		98.56% Pervious Area
	8,320		1.44% Impervious Area
	8,320		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.7	150	0.0460	1.50		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
1.0	75	0.0570	1.19		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.4	450	0.1000	2.21		**Shallow Concentrated Flow, Shallow Flow D-E** Short Grass Pasture Kv= 7.0 fps
2.2	250	0.1440	1.90		**Shallow Concentrated Flow, Shallow Flow E-F** Woodland Kv= 5.0 fps
20.4	1,075	Total			

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 5.53 cfs @ 12.30 hrs, Volume= 0.629 af, Depth= 0.80"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	100	0.0400	0.25		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
20.2	1,275	Total			

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 1.82 cfs @ 12.31 hrs, Volume= 0.222 af, Depth= 0.58"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
	47,717	70	Woods, Good, HSG C
	81,029	70	Woods, Good, HSG C
	49,287	70	Woods, Good, HSG C
	20,000	86	Pasture/grassland/range, Poor, HSG C
*	2,000	96	Gravel Road surface, HSG C
	200,033	72	Weighted Average
	200,033		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.1	100	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
5.7	450	0.0700	1.32		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

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

Inflow Area = 12.034 ac, 12.76% Impervious, Inflow Depth = 0.67" for 1 year event
Inflow = 6.83 cfs @ 12.18 hrs, Volume= 0.667 af
Outflow = 6.83 cfs @ 12.18 hrs, Volume= 0.667 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

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

Inflow Area = 4.592 ac, 0.00% Impervious, Inflow Depth = 0.58" for 1 year event
Inflow = 1.82 cfs @ 12.31 hrs, Volume= 0.222 af
Outflow = 1.82 cfs @ 12.31 hrs, Volume= 0.222 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

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

Inflow Area = 12.876 ac, 7.54% Impervious, Inflow Depth = 0.67" for 1 year event
Inflow = 8.96 cfs @ 12.10 hrs, Volume= 0.714 af
Outflow = 8.96 cfs @ 12.10 hrs, Volume= 0.714 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

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

Inflow Area = 5.638 ac, 0.00% Impervious, Inflow Depth = 0.50" for 1 year event
Inflow = 1.33 cfs @ 12.64 hrs, Volume= 0.237 af
Outflow = 1.33 cfs @ 12.64 hrs, Volume= 0.237 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

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

Inflow Area = 7.754 ac, 0.00% Impervious, Inflow Depth = 0.50" for 1 year event
Inflow = 2.23 cfs @ 12.43 hrs, Volume= 0.326 af
Outflow = 2.23 cfs @ 12.43 hrs, Volume= 0.326 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

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

Inflow Area = 6.341 ac, 0.00% Impervious, Inflow Depth = 0.50" for 1 year event
Inflow = 1.84 cfs @ 12.42 hrs, Volume= 0.266 af
Outflow = 1.84 cfs @ 12.42 hrs, Volume= 0.266 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

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

Inflow Area = 6.795 ac, 1.89% Impervious, Inflow Depth = 0.62" for 1 year event
Inflow = 1.98 cfs @ 12.70 hrs, Volume= 0.352 af
Outflow = 1.98 cfs @ 12.70 hrs, Volume= 0.352 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

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

Inflow Area = 11.062 ac, 15.77% Impervious, Inflow Depth = 0.71" for 1 year event
Inflow = 5.05 cfs @ 12.40 hrs, Volume= 0.654 af
Outflow = 5.05 cfs @ 12.40 hrs, Volume= 0.654 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

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

Inflow Area = 13.273 ac, 1.44% Impervious, Inflow Depth = 0.80" for 1 year event
Inflow = 7.79 cfs @ 12.31 hrs, Volume= 0.889 af
Outflow = 7.79 cfs @ 12.31 hrs, Volume= 0.889 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

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

Inflow Area = 9.398 ac, 13.45% Impervious, Inflow Depth = 0.80" for 1 year event
Inflow = 5.53 cfs @ 12.30 hrs, Volume= 0.629 af
Outflow = 5.53 cfs @ 12.30 hrs, Volume= 0.629 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: Subcatchment- 1 Runoff Area=524,221 sf 12.76% Impervious Runoff Depth=0.02"
Flow Length=1,200' Tc=11.9 min UI Adjusted CN=74 Runoff=0.04 cfs 0.023 af

Subcatchment2S: Subcatchment- 2 Runoff Area=560,880 sf 7.54% Impervious Runoff Depth=0.02"
Flow Length=910' Tc=6.0 min UI Adjusted CN=74 Runoff=0.04 cfs 0.025 af

Subcatchment3S: Subcatchment- 3 Runoff Area=245,605 sf 0.00% Impervious Runoff Depth=0.00"
Flow Length=950' Tc=39.6 min CN=70 Runoff=0.00 cfs 0.002 af

Subcatchment4S: Subcatchment- 4 Runoff Area=337,786 sf 0.00% Impervious Runoff Depth=0.00"
Flow Length=1,000' Tc=25.6 min CN=70 Runoff=0.00 cfs 0.003 af

Subcatchment5S: Subcatchment- 5 Runoff Area=276,214 sf 0.00% Impervious Runoff Depth=0.00"
Flow Length=950' Tc=25.1 min CN=70 Runoff=0.00 cfs 0.002 af

Subcatchment6S: Subcatchment- 6 Runoff Area=295,973 sf 1.89% Impervious Runoff Depth=0.02"
Flow Length=1,050' Tc=45.7 min CN=73 Runoff=0.01 cfs 0.010 af

Subcatchment7S: Subcatchment- 7 Runoff Area=481,846 sf 15.77% Impervious Runoff Depth=0.03"
Flow Length=1,150' Tc=25.7 min UI Adjusted CN=75 Runoff=0.05 cfs 0.028 af

Subcatchment8S: Subcatchment- 8 Runoff Area=578,171 sf 1.44% Impervious Runoff Depth=0.05"
Flow Length=1,075' Tc=20.4 min CN=77 Runoff=0.13 cfs 0.053 af

Subcatchment9S: Subcatchment- 9 Runoff Area=409,386 sf 13.45% Impervious Runoff Depth=0.05"
Flow Length=1,275' Tc=20.2 min UI Adjusted CN=77 Runoff=0.09 cfs 0.037 af

Subcatchment10S: Subcatchment- 10 Runoff Area=200,033 sf 0.00% Impervious Runoff Depth=0.01"
Flow Length=700' Tc=18.9 min CN=72 Runoff=0.01 cfs 0.005 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=0.04 cfs 0.023 af
Outflow=0.04 cfs 0.023 af

Reach POA-10: Existing Woods to the Northwest Inflow=0.01 cfs 0.005 af
Outflow=0.01 cfs 0.005 af

Reach POA-2: Existing Woods to the Northwest Inflow=0.04 cfs 0.025 af
Outflow=0.04 cfs 0.025 af

Reach POA-3: Existing Woods to the Northwest Inflow=0.00 cfs 0.002 af
Outflow=0.00 cfs 0.002 af

Reach POA-4: Existing Woods to the Northwest Inflow=0.00 cfs 0.003 af
Outflow=0.00 cfs 0.003 af

Reach POA-5: Existing Woods to the Northwest Inflow=0.00 cfs 0.002 af
Outflow=0.00 cfs 0.002 af

Reach POA-6: Existing Woods to the Northeast Inflow=0.01 cfs 0.010 af
Outflow=0.01 cfs 0.010 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=0.05 cfs 0.028 af
Outflow=0.05 cfs 0.028 af

Reach POA-8: Existing Woods to the Northeast Inflow=0.13 cfs 0.053 af
Outflow=0.13 cfs 0.053 af

Reach POA-9: Existing Woods to the Northeast Inflow=0.09 cfs 0.037 af
Outflow=0.09 cfs 0.037 af

Total Runoff Area = 89.764 ac Runoff Volume = 0.188 af Average Runoff Depth = 0.03"
93.50% Pervious = 83.929 ac 6.50% Impervious = 5.835 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 0.04 cfs @ 14.85 hrs, Volume= 0.023 af, Depth= 0.02"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1-Inch WQV Rainfall=1.00"

	Area (sf)	CN	Description
*	31,320	98	Unconnected Outcrop, HSG D
	119,196	77	Woods, Good, HSG D
	86,728	70	Woods, Good, HSG C
	231,002	70	Woods, Good, HSG C
	20,386	77	Woods, Good, HSG D
*	35,589	98	Unconnected Outcrop, HSG D
	524,221	75	Weighted Average, UI Adjusted CN = 74
	457,312		87.24% Pervious Area
	66,909		12.76% Impervious Area
	66,909		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1500	3.08		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.3	200	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
11.1	900	0.0730	1.35		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
11.9	1,200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff = 0.04 cfs @ 14.78 hrs, Volume= 0.025 af, Depth= 0.02"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1-Inch WQV Rainfall=1.00"

	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
	518,592		92.46% Pervious Area
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1600	3.16		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
5.9	910	Total, Increased to minimum Tc = 6.0 min			

Summary for Subcatchment 3S: Subcatchment - 3

Runoff = 0.00 cfs @ 21.87 hrs, Volume= 0.002 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1-Inch WQV Rainfall=1.00"

Area (sf)	CN	Description
196,656	70	Woods, Good, HSG C
48,949	70	Woods, Good, HSG C
245,605	70	Weighted Average
245,605		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.7	150	0.0200	0.08		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
3.3	150	0.0230	0.76		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
3.4	350	0.1200	1.73		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.2	300	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 0.00 cfs @ 21.59 hrs, Volume= 0.003 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1-Inch WQV Rainfall=1.00"

Area (sf)	CN	Description
8,570	70	Woods, Good, HSG C
329,216	70	Woods, Good, HSG C
337,786	70	Weighted Average
337,786		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.5	850	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.6	1,000	Total			

Summary for Subcatchment 5S: Subcatchment - 5

Runoff = 0.00 cfs @ 21.67 hrs, Volume= 0.002 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1-Inch WQV Rainfall=1.00"

Area (sf)	CN	Description
129,095	70	Woods, Good, HSG C
147,119	70	Woods, Good, HSG C
276,214	70	Weighted Average
276,214		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 6S: Subcatchment - 6

Runoff = 0.01 cfs @ 15.79 hrs, Volume= 0.010 af, Depth= 0.02"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1-Inch WQV Rainfall=1.00"

	Area (sf)	CN	Description
*	5,603	98	Unconnected Outcrop, HSG D
	240,370	70	Woods, Good, HSG C
	50,000	86	Pasture/grassland/range, Poor, HSG C
	295,973	73	Weighted Average
	290,370		98.11% Pervious Area
	5,603		1.89% Impervious Area
	5,603		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	150	0.0130	0.07		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
45.7	1,050	Total			

Summary for Subcatchment 7S: Subcatchment - 7

Runoff = 0.05 cfs @ 14.08 hrs, Volume= 0.028 af, Depth= 0.03"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1-Inch WQV Rainfall=1.00"

	Area (sf)	CN	Description
	76,444	70	Woods, Good, HSG C
	182,402	70	Woods, Good, HSG C
	99,000	74	Pasture/grassland/range, Good, HSG C
	25,000	96	Gravel surface, HSG C
	23,000	77	Woods, Good, HSG D
*	76,000	98	Unconnected Outcrop, HSG C
	481,846	77	Weighted Average, UI Adjusted CN = 75
	405,846		84.23% Pervious Area
	76,000		15.77% Impervious Area
	76,000		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
0.1	70	0.2000	9.08		**Shallow Concentrated Flow, Shallow Flow C-D** Paved Kv= 20.3 fps
0.9	120	0.2100	2.29		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
0.1	80	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow E-F** Paved Kv= 20.3 fps
1.9	190	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow F-G** Woodland Kv= 5.0 fps
4.0	380	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow G-H** Short Grass Pasture Kv= 7.0 fps
25.7	1,150	Total			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 0.13 cfs @ 12.67 hrs, Volume= 0.053 af, Depth= 0.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1-Inch WQV Rainfall=1.00"

	Area (sf)	CN	Description
*	8,320	98	Unconnected Outcrop, HSG D
	321,473	70	Woods, Good, HSG C
	248,378	86	Pasture/grassland/range, Poor, HSG C
	578,171	77	Weighted Average
	569,851		98.56% Pervious Area
	8,320		1.44% Impervious Area
	8,320		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.7	150	0.0460	1.50		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
1.0	75	0.0570	1.19		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.4	450	0.1000	2.21		**Shallow Concentrated Flow, Shallow Flow D-E** Short Grass Pasture Kv= 7.0 fps
2.2	250	0.1440	1.90		**Shallow Concentrated Flow, Shallow Flow E-F** Woodland Kv= 5.0 fps
20.4	1,075	Total			

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 0.09 cfs @ 12.66 hrs, Volume= 0.037 af, Depth= 0.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1-Inch WQV Rainfall=1.00"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	100	0.0400	0.25		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
20.2	1,275	Total			

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 0.01 cfs @ 15.69 hrs, Volume= 0.005 af, Depth= 0.01"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1-Inch WQV Rainfall=1.00"

	Area (sf)	CN	Description
	47,717	70	Woods, Good, HSG C
	81,029	70	Woods, Good, HSG C
	49,287	70	Woods, Good, HSG C
	20,000	86	Pasture/grassland/range, Poor, HSG C
*	2,000	96	Gravel Road surface, HSG C
	200,033	72	Weighted Average
	200,033		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.1	100	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
5.7	450	0.0700	1.32		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

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

Inflow Area = 12.034 ac, 12.76% Impervious, Inflow Depth = 0.02" for 1-Inch WQV event
Inflow = 0.04 cfs @ 14.85 hrs, Volume= 0.023 af
Outflow = 0.04 cfs @ 14.85 hrs, Volume= 0.023 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

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

Inflow Area = 4.592 ac, 0.00% Impervious, Inflow Depth = 0.01" for 1-Inch WQV event
Inflow = 0.01 cfs @ 15.69 hrs, Volume= 0.005 af
Outflow = 0.01 cfs @ 15.69 hrs, Volume= 0.005 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

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

Inflow Area = 12.876 ac, 7.54% Impervious, Inflow Depth = 0.02" for 1-Inch WQV event
Inflow = 0.04 cfs @ 14.78 hrs, Volume= 0.025 af
Outflow = 0.04 cfs @ 14.78 hrs, Volume= 0.025 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

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

Inflow Area = 5.638 ac, 0.00% Impervious, Inflow Depth = 0.00" for 1-Inch WQV event
Inflow = 0.00 cfs @ 21.87 hrs, Volume= 0.002 af
Outflow = 0.00 cfs @ 21.87 hrs, Volume= 0.002 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

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

Inflow Area = 7.754 ac, 0.00% Impervious, Inflow Depth = 0.00" for 1-Inch WQV event
Inflow = 0.00 cfs @ 21.59 hrs, Volume= 0.003 af
Outflow = 0.00 cfs @ 21.59 hrs, Volume= 0.003 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

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

Inflow Area = 6.341 ac, 0.00% Impervious, Inflow Depth = 0.00" for 1-Inch WQV event
Inflow = 0.00 cfs @ 21.67 hrs, Volume= 0.002 af
Outflow = 0.00 cfs @ 21.67 hrs, Volume= 0.002 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

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

Inflow Area = 6.795 ac, 1.89% Impervious, Inflow Depth = 0.02" for 1-Inch WQV event
Inflow = 0.01 cfs @ 15.79 hrs, Volume= 0.010 af
Outflow = 0.01 cfs @ 15.79 hrs, Volume= 0.010 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

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

Inflow Area = 11.062 ac, 15.77% Impervious, Inflow Depth = 0.03" for 1-Inch WQV event
Inflow = 0.05 cfs @ 14.08 hrs, Volume= 0.028 af
Outflow = 0.05 cfs @ 14.08 hrs, Volume= 0.028 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

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

Inflow Area = 13.273 ac, 1.44% Impervious, Inflow Depth = 0.05" for 1-Inch WQV event
Inflow = 0.13 cfs @ 12.67 hrs, Volume= 0.053 af
Outflow = 0.13 cfs @ 12.67 hrs, Volume= 0.053 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

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

Inflow Area = 9.398 ac, 13.45% Impervious, Inflow Depth = 0.05" for 1-Inch WQV event
Inflow = 0.09 cfs @ 12.66 hrs, Volume= 0.037 af
Outflow = 0.09 cfs @ 12.66 hrs, Volume= 0.037 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: Subcatchment- 1 Runoff Area=524,221 sf 12.76% Impervious Runoff Depth=1.04"
Flow Length=1,200' Tc=11.9 min UI Adjusted CN=74 Runoff=11.36 cfs 1.041 af

Subcatchment2S: Subcatchment- 2 Runoff Area=560,880 sf 7.54% Impervious Runoff Depth=1.04"
Flow Length=910' Tc=6.0 min UI Adjusted CN=74 Runoff=14.84 cfs 1.113 af

Subcatchment3S: Subcatchment- 3 Runoff Area=245,605 sf 0.00% Impervious Runoff Depth=0.83"
Flow Length=950' Tc=39.6 min CN=70 Runoff=2.43 cfs 0.389 af

Subcatchment4S: Subcatchment- 4 Runoff Area=337,786 sf 0.00% Impervious Runoff Depth=0.83"
Flow Length=1,000' Tc=25.6 min CN=70 Runoff=4.07 cfs 0.535 af

Subcatchment5S: Subcatchment- 5 Runoff Area=276,214 sf 0.00% Impervious Runoff Depth=0.83"
Flow Length=950' Tc=25.1 min CN=70 Runoff=3.36 cfs 0.438 af

Subcatchment6S: Subcatchment- 6 Runoff Area=295,973 sf 1.89% Impervious Runoff Depth=0.98"
Flow Length=1,050' Tc=45.7 min CN=73 Runoff=3.35 cfs 0.556 af

Subcatchment7S: Subcatchment- 7 Runoff Area=481,846 sf 15.77% Impervious Runoff Depth=1.09"
Flow Length=1,150' Tc=25.7 min UI Adjusted CN=75 Runoff=8.18 cfs 1.008 af

Subcatchment8S: Subcatchment- 8 Runoff Area=578,171 sf 1.44% Impervious Runoff Depth=1.21"
Flow Length=1,075' Tc=20.4 min CN=77 Runoff=12.20 cfs 1.340 af

Subcatchment9S: Subcatchment- 9 Runoff Area=409,386 sf 13.45% Impervious Runoff Depth=1.21"
Flow Length=1,275' Tc=20.2 min UI Adjusted CN=77 Runoff=8.67 cfs 0.949 af

Subcatchment10S: Subcatchment- 10 Runoff Area=200,033 sf 0.00% Impervious Runoff Depth=0.93"
Flow Length=700' Tc=18.9 min CN=72 Runoff=3.17 cfs 0.356 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=11.36 cfs 1.041 af
Outflow=11.36 cfs 1.041 af

Reach POA-10: Existing Woods to the Northwest Inflow=3.17 cfs 0.356 af
Outflow=3.17 cfs 0.356 af

Reach POA-2: Existing Woods to the Northwest Inflow=14.84 cfs 1.113 af
Outflow=14.84 cfs 1.113 af

Reach POA-3: Existing Woods to the Northwest Inflow=2.43 cfs 0.389 af
Outflow=2.43 cfs 0.389 af

Reach POA-4: Existing Woods to the Northwest Inflow=4.07 cfs 0.535 af
Outflow=4.07 cfs 0.535 af

Reach POA-5: Existing Woods to the Northwest Inflow=3.36 cfs 0.438 af
Outflow=3.36 cfs 0.438 af

Reach POA-6: Existing Woods to the Northeast Inflow=3.35 cfs 0.556 af
Outflow=3.35 cfs 0.556 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=8.18 cfs 1.008 af
Outflow=8.18 cfs 1.008 af

Reach POA-8: Existing Woods to the Northeast Inflow=12.20 cfs 1.340 af
Outflow=12.20 cfs 1.340 af

Reach POA-9: Existing Woods to the Northeast Inflow=8.67 cfs 0.949 af
Outflow=8.67 cfs 0.949 af

Total Runoff Area = 89.764 ac Runoff Volume = 7.726 af Average Runoff Depth = 1.03"
93.50% Pervious = 83.929 ac 6.50% Impervious = 5.835 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 11.36 cfs @ 12.18 hrs, Volume= 1.041 af, Depth= 1.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	31,320	98	Unconnected Outcrop, HSG D
	119,196	77	Woods, Good, HSG D
	86,728	70	Woods, Good, HSG C
	231,002	70	Woods, Good, HSG C
	20,386	77	Woods, Good, HSG D
*	35,589	98	Unconnected Outcrop, HSG D
	524,221	75	Weighted Average, UI Adjusted CN = 74
	457,312		87.24% Pervious Area
	66,909		12.76% Impervious Area
	66,909		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1500	3.08		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.3	200	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
11.1	900	0.0730	1.35		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
11.9	1,200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff = 14.84 cfs @ 12.10 hrs, Volume= 1.113 af, Depth= 1.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
	518,592		92.46% Pervious Area
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1600	3.16		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
5.9	910	Total, Increased to minimum Tc = 6.0 min			

Summary for Subcatchment 3S: Subcatchment - 3

Runoff = 2.43 cfs @ 12.63 hrs, Volume= 0.389 af, Depth= 0.83"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
196,656	70	Woods, Good, HSG C
48,949	70	Woods, Good, HSG C
245,605	70	Weighted Average
245,605		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.7	150	0.0200	0.08		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
3.3	150	0.0230	0.76		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
3.4	350	0.1200	1.73		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.2	300	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 4.07 cfs @ 12.40 hrs, Volume= 0.535 af, Depth= 0.83"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
8,570	70	Woods, Good, HSG C
329,216	70	Woods, Good, HSG C
337,786	70	Weighted Average
337,786		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.5	850	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.6	1,000	Total			

Summary for Subcatchment 5S: Subcatchment - 5

Runoff = 3.36 cfs @ 12.41 hrs, Volume= 0.438 af, Depth= 0.83"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
129,095	70	Woods, Good, HSG C
147,119	70	Woods, Good, HSG C
276,214	70	Weighted Average
276,214		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 6S: Subcatchment - 6

Runoff = 3.35 cfs @ 12.69 hrs, Volume= 0.556 af, Depth= 0.98"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	5,603	98	Unconnected Outcrop, HSG D
	240,370	70	Woods, Good, HSG C
	50,000	86	Pasture/grassland/range, Poor, HSG C
	295,973	73	Weighted Average
	290,370		98.11% Pervious Area
	5,603		1.89% Impervious Area
	5,603		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	150	0.0130	0.07		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
45.7	1,050	Total			

Summary for Subcatchment 7S: Subcatchment - 7

Runoff = 8.18 cfs @ 12.39 hrs, Volume= 1.008 af, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
	76,444	70	Woods, Good, HSG C
	182,402	70	Woods, Good, HSG C
	99,000	74	Pasture/grassland/range, Good, HSG C
	25,000	96	Gravel surface, HSG C
	23,000	77	Woods, Good, HSG D
*	76,000	98	Unconnected Outcrop, HSG C
	481,846	77	Weighted Average, UI Adjusted CN = 75
	405,846		84.23% Pervious Area
	76,000		15.77% Impervious Area
	76,000		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
0.1	70	0.2000	9.08		**Shallow Concentrated Flow, Shallow Flow C-D** Paved Kv= 20.3 fps
0.9	120	0.2100	2.29		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
0.1	80	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow E-F** Paved Kv= 20.3 fps
1.9	190	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow F-G** Woodland Kv= 5.0 fps
4.0	380	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow G-H** Short Grass Pasture Kv= 7.0 fps
25.7	1,150	Total			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 12.20 cfs @ 12.30 hrs, Volume= 1.340 af, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	8,320	98	Unconnected Outcrop, HSG D
	321,473	70	Woods, Good, HSG C
	248,378	86	Pasture/grassland/range, Poor, HSG C
	578,171	77	Weighted Average
	569,851		98.56% Pervious Area
	8,320		1.44% Impervious Area
	8,320		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.7	150	0.0460	1.50		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
1.0	75	0.0570	1.19		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.4	450	0.1000	2.21		**Shallow Concentrated Flow, Shallow Flow D-E** Short Grass Pasture Kv= 7.0 fps
2.2	250	0.1440	1.90		**Shallow Concentrated Flow, Shallow Flow E-F** Woodland Kv= 5.0 fps
20.4	1,075	Total			

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 8.67 cfs @ 12.29 hrs, Volume= 0.949 af, Depth= 1.21"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	100	0.0400	0.25		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
20.2	1,275	Total			

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 3.17 cfs @ 12.29 hrs, Volume= 0.356 af, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
	47,717	70	Woods, Good, HSG C
	81,029	70	Woods, Good, HSG C
	49,287	70	Woods, Good, HSG C
	20,000	86	Pasture/grassland/range, Poor, HSG C
*	2,000	96	Gravel Road surface, HSG C
	200,033	72	Weighted Average
	200,033		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.1	100	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
5.7	450	0.0700	1.32		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

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

Inflow Area = 12.034 ac, 12.76% Impervious, Inflow Depth = 1.04" for 2 year event
Inflow = 11.36 cfs @ 12.18 hrs, Volume= 1.041 af
Outflow = 11.36 cfs @ 12.18 hrs, Volume= 1.041 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

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

Inflow Area = 4.592 ac, 0.00% Impervious, Inflow Depth = 0.93" for 2 year event
Inflow = 3.17 cfs @ 12.29 hrs, Volume= 0.356 af
Outflow = 3.17 cfs @ 12.29 hrs, Volume= 0.356 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

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

Inflow Area = 12.876 ac, 7.54% Impervious, Inflow Depth = 1.04" for 2 year event
Inflow = 14.84 cfs @ 12.10 hrs, Volume= 1.113 af
Outflow = 14.84 cfs @ 12.10 hrs, Volume= 1.113 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

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

Inflow Area = 5.638 ac, 0.00% Impervious, Inflow Depth = 0.83" for 2 year event
Inflow = 2.43 cfs @ 12.63 hrs, Volume= 0.389 af
Outflow = 2.43 cfs @ 12.63 hrs, Volume= 0.389 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

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

Inflow Area = 7.754 ac, 0.00% Impervious, Inflow Depth = 0.83" for 2 year event
Inflow = 4.07 cfs @ 12.40 hrs, Volume= 0.535 af
Outflow = 4.07 cfs @ 12.40 hrs, Volume= 0.535 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

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

Inflow Area = 6.341 ac, 0.00% Impervious, Inflow Depth = 0.83" for 2 year event
Inflow = 3.36 cfs @ 12.41 hrs, Volume= 0.438 af
Outflow = 3.36 cfs @ 12.41 hrs, Volume= 0.438 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

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

Inflow Area = 6.795 ac, 1.89% Impervious, Inflow Depth = 0.98" for 2 year event
Inflow = 3.35 cfs @ 12.69 hrs, Volume= 0.556 af
Outflow = 3.35 cfs @ 12.69 hrs, Volume= 0.556 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

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

Inflow Area = 11.062 ac, 15.77% Impervious, Inflow Depth = 1.09" for 2 year event
Inflow = 8.18 cfs @ 12.39 hrs, Volume= 1.008 af
Outflow = 8.18 cfs @ 12.39 hrs, Volume= 1.008 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

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

Inflow Area = 13.273 ac, 1.44% Impervious, Inflow Depth = 1.21" for 2 year event
Inflow = 12.20 cfs @ 12.30 hrs, Volume= 1.340 af
Outflow = 12.20 cfs @ 12.30 hrs, Volume= 1.340 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

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

Inflow Area = 9.398 ac, 13.45% Impervious, Inflow Depth = 1.21" for 2 year event
Inflow = 8.67 cfs @ 12.29 hrs, Volume= 0.949 af
Outflow = 8.67 cfs @ 12.29 hrs, Volume= 0.949 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: Subcatchment- 1 Runoff Area=524,221 sf 12.76% Impervious Runoff Depth=2.13"
Flow Length=1,200' Tc=11.9 min UI Adjusted CN=74 Runoff=24.47 cfs 2.133 af

Subcatchment2S: Subcatchment- 2 Runoff Area=560,880 sf 7.54% Impervious Runoff Depth=2.13"
Flow Length=910' Tc=6.0 min UI Adjusted CN=74 Runoff=31.88 cfs 2.283 af

Subcatchment3S: Subcatchment- 3 Runoff Area=245,605 sf 0.00% Impervious Runoff Depth=1.82"
Flow Length=950' Tc=39.6 min CN=70 Runoff=5.78 cfs 0.854 af

Subcatchment4S: Subcatchment- 4 Runoff Area=337,786 sf 0.00% Impervious Runoff Depth=1.82"
Flow Length=1,000' Tc=25.6 min CN=70 Runoff=9.75 cfs 1.174 af

Subcatchment5S: Subcatchment- 5 Runoff Area=276,214 sf 0.00% Impervious Runoff Depth=1.82"
Flow Length=950' Tc=25.1 min CN=70 Runoff=8.04 cfs 0.960 af

Subcatchment6S: Subcatchment- 6 Runoff Area=295,973 sf 1.89% Impervious Runoff Depth=2.05"
Flow Length=1,050' Tc=45.7 min CN=73 Runoff=7.40 cfs 1.159 af

Subcatchment7S: Subcatchment- 7 Runoff Area=481,846 sf 15.77% Impervious Runoff Depth=2.21"
Flow Length=1,150' Tc=25.7 min UI Adjusted CN=75 Runoff=17.24 cfs 2.036 af

Subcatchment8S: Subcatchment- 8 Runoff Area=578,171 sf 1.44% Impervious Runoff Depth=2.37"
Flow Length=1,075' Tc=20.4 min CN=77 Runoff=24.60 cfs 2.626 af

Subcatchment9S: Subcatchment- 9 Runoff Area=409,386 sf 13.45% Impervious Runoff Depth=2.37"
Flow Length=1,275' Tc=20.2 min UI Adjusted CN=77 Runoff=17.53 cfs 1.859 af

Subcatchment10S: Subcatchment- 10 Runoff Area=200,033 sf 0.00% Impervious Runoff Depth=1.97"
Flow Length=700' Tc=18.9 min CN=72 Runoff=7.17 cfs 0.754 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=24.47 cfs 2.133 af
Outflow=24.47 cfs 2.133 af

Reach POA-10: Existing Woods to the Northwest Inflow=7.17 cfs 0.754 af
Outflow=7.17 cfs 0.754 af

Reach POA-2: Existing Woods to the Northwest Inflow=31.88 cfs 2.283 af
Outflow=31.88 cfs 2.283 af

Reach POA-3: Existing Woods to the Northwest Inflow=5.78 cfs 0.854 af
Outflow=5.78 cfs 0.854 af

Reach POA-4: Existing Woods to the Northwest Inflow=9.75 cfs 1.174 af
Outflow=9.75 cfs 1.174 af

Reach POA-5: Existing Woods to the Northwest Inflow=8.04 cfs 0.960 af
Outflow=8.04 cfs 0.960 af

Reach POA-6: Existing Woods to the Northeast Inflow=7.40 cfs 1.159 af
Outflow=7.40 cfs 1.159 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=17.24 cfs 2.036 af
Outflow=17.24 cfs 2.036 af

Reach POA-8: Existing Woods to the Northeast Inflow=24.60 cfs 2.626 af
Outflow=24.60 cfs 2.626 af

Reach POA-9: Existing Woods to the Northeast Inflow=17.53 cfs 1.859 af
Outflow=17.53 cfs 1.859 af

Total Runoff Area = 89.764 ac Runoff Volume = 15.838 af Average Runoff Depth = 2.12"
93.50% Pervious = 83.929 ac 6.50% Impervious = 5.835 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 24.47 cfs @ 12.17 hrs, Volume= 2.133 af, Depth= 2.13"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	31,320	98	Unconnected Outcrop, HSG D
	119,196	77	Woods, Good, HSG D
	86,728	70	Woods, Good, HSG C
	231,002	70	Woods, Good, HSG C
	20,386	77	Woods, Good, HSG D
*	35,589	98	Unconnected Outcrop, HSG D
	524,221	75	Weighted Average, UI Adjusted CN = 74
	457,312		87.24% Pervious Area
	66,909		12.76% Impervious Area
	66,909		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1500	3.08		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.3	200	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
11.1	900	0.0730	1.35		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
11.9	1,200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff = 31.88 cfs @ 12.09 hrs, Volume= 2.283 af, Depth= 2.13"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
	518,592		92.46% Pervious Area
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1600	3.16		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
5.9	910	Total, Increased to minimum Tc = 6.0 min			

Summary for Subcatchment 3S: Subcatchment - 3

Runoff = 5.78 cfs @ 12.58 hrs, Volume= 0.854 af, Depth= 1.82"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
196,656	70	Woods, Good, HSG C
48,949	70	Woods, Good, HSG C
245,605	70	Weighted Average
245,605		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.7	150	0.0200	0.08		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
3.3	150	0.0230	0.76		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
3.4	350	0.1200	1.73		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.2	300	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 9.75 cfs @ 12.37 hrs, Volume= 1.174 af, Depth= 1.82"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
8,570	70	Woods, Good, HSG C
329,216	70	Woods, Good, HSG C
337,786	70	Weighted Average
337,786		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.5	850	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.6	1,000	Total			

Summary for Subcatchment 5S: Subcatchment - 5

Runoff = 8.04 cfs @ 12.36 hrs, Volume= 0.960 af, Depth= 1.82"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
129,095	70	Woods, Good, HSG C
147,119	70	Woods, Good, HSG C
276,214	70	Weighted Average
276,214		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 6S: Subcatchment - 6

Runoff = 7.40 cfs @ 12.64 hrs, Volume= 1.159 af, Depth= 2.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	5,603	98	Unconnected Outcrop, HSG D
	240,370	70	Woods, Good, HSG C
	50,000	86	Pasture/grassland/range, Poor, HSG C
	295,973	73	Weighted Average
	290,370		98.11% Pervious Area
	5,603		1.89% Impervious Area
	5,603		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	150	0.0130	0.07		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
45.7	1,050	Total			

Summary for Subcatchment 7S: Subcatchment - 7

Runoff = 17.24 cfs @ 12.37 hrs, Volume= 2.036 af, Depth= 2.21"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
	76,444	70	Woods, Good, HSG C
	182,402	70	Woods, Good, HSG C
	99,000	74	Pasture/grassland/range, Good, HSG C
	25,000	96	Gravel surface, HSG C
	23,000	77	Woods, Good, HSG D
*	76,000	98	Unconnected Outcrop, HSG C
	481,846	77	Weighted Average, UI Adjusted CN = 75
	405,846		84.23% Pervious Area
	76,000		15.77% Impervious Area
	76,000		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
0.1	70	0.2000	9.08		**Shallow Concentrated Flow, Shallow Flow C-D** Paved Kv= 20.3 fps
0.9	120	0.2100	2.29		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
0.1	80	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow E-F** Paved Kv= 20.3 fps
1.9	190	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow F-G** Woodland Kv= 5.0 fps
4.0	380	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow G-H** Short Grass Pasture Kv= 7.0 fps
25.7	1,150	Total			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 24.60 cfs @ 12.29 hrs, Volume= 2.626 af, Depth= 2.37"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	8,320	98	Unconnected Outcrop, HSG D
	321,473	70	Woods, Good, HSG C
	248,378	86	Pasture/grassland/range, Poor, HSG C
	578,171	77	Weighted Average
	569,851		98.56% Pervious Area
	8,320		1.44% Impervious Area
	8,320		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.7	150	0.0460	1.50		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
1.0	75	0.0570	1.19		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.4	450	0.1000	2.21		**Shallow Concentrated Flow, Shallow Flow D-E** Short Grass Pasture Kv= 7.0 fps
2.2	250	0.1440	1.90		**Shallow Concentrated Flow, Shallow Flow E-F** Woodland Kv= 5.0 fps
20.4	1,075	Total			

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 17.53 cfs @ 12.28 hrs, Volume= 1.859 af, Depth= 2.37"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	100	0.0400	0.25		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
20.2	1,275	Total			

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 7.17 cfs @ 12.27 hrs, Volume= 0.754 af, Depth= 1.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
	47,717	70	Woods, Good, HSG C
	81,029	70	Woods, Good, HSG C
	49,287	70	Woods, Good, HSG C
	20,000	86	Pasture/grassland/range, Poor, HSG C
*	2,000	96	Gravel Road surface, HSG C
	200,033	72	Weighted Average
	200,033		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.1	100	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
5.7	450	0.0700	1.32		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

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

Inflow Area = 12.034 ac, 12.76% Impervious, Inflow Depth = 2.13" for 10 year event
Inflow = 24.47 cfs @ 12.17 hrs, Volume= 2.133 af
Outflow = 24.47 cfs @ 12.17 hrs, Volume= 2.133 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

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

Inflow Area = 4.592 ac, 0.00% Impervious, Inflow Depth = 1.97" for 10 year event
Inflow = 7.17 cfs @ 12.27 hrs, Volume= 0.754 af
Outflow = 7.17 cfs @ 12.27 hrs, Volume= 0.754 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

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

Inflow Area = 12.876 ac, 7.54% Impervious, Inflow Depth = 2.13" for 10 year event
Inflow = 31.88 cfs @ 12.09 hrs, Volume= 2.283 af
Outflow = 31.88 cfs @ 12.09 hrs, Volume= 2.283 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

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

Inflow Area = 5.638 ac, 0.00% Impervious, Inflow Depth = 1.82" for 10 year event
Inflow = 5.78 cfs @ 12.58 hrs, Volume= 0.854 af
Outflow = 5.78 cfs @ 12.58 hrs, Volume= 0.854 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

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

Inflow Area = 7.754 ac, 0.00% Impervious, Inflow Depth = 1.82" for 10 year event
Inflow = 9.75 cfs @ 12.37 hrs, Volume= 1.174 af
Outflow = 9.75 cfs @ 12.37 hrs, Volume= 1.174 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

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

Inflow Area = 6.341 ac, 0.00% Impervious, Inflow Depth = 1.82" for 10 year event
Inflow = 8.04 cfs @ 12.36 hrs, Volume= 0.960 af
Outflow = 8.04 cfs @ 12.36 hrs, Volume= 0.960 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

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

Inflow Area = 6.795 ac, 1.89% Impervious, Inflow Depth = 2.05" for 10 year event
Inflow = 7.40 cfs @ 12.64 hrs, Volume= 1.159 af
Outflow = 7.40 cfs @ 12.64 hrs, Volume= 1.159 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

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

Inflow Area = 11.062 ac, 15.77% Impervious, Inflow Depth = 2.21" for 10 year event
Inflow = 17.24 cfs @ 12.37 hrs, Volume= 2.036 af
Outflow = 17.24 cfs @ 12.37 hrs, Volume= 2.036 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

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

Inflow Area = 13.273 ac, 1.44% Impervious, Inflow Depth = 2.37" for 10 year event
Inflow = 24.60 cfs @ 12.29 hrs, Volume= 2.626 af
Outflow = 24.60 cfs @ 12.29 hrs, Volume= 2.626 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

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

Inflow Area = 9.398 ac, 13.45% Impervious, Inflow Depth = 2.37" for 10 year event
Inflow = 17.53 cfs @ 12.28 hrs, Volume= 1.859 af
Outflow = 17.53 cfs @ 12.28 hrs, Volume= 1.859 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: Subcatchment- 1 Runoff Area=524,221 sf 12.76% Impervious Runoff Depth=2.77"
Flow Length=1,200' Tc=11.9 min UI Adjusted CN=74 Runoff=32.09 cfs 2.777 af

Subcatchment2S: Subcatchment- 2 Runoff Area=560,880 sf 7.54% Impervious Runoff Depth=2.77"
Flow Length=910' Tc=6.0 min UI Adjusted CN=74 Runoff=41.76 cfs 2.971 af

Subcatchment3S: Subcatchment- 3 Runoff Area=245,605 sf 0.00% Impervious Runoff Depth=2.41"
Flow Length=950' Tc=39.6 min CN=70 Runoff=7.79 cfs 1.134 af

Subcatchment4S: Subcatchment- 4 Runoff Area=337,786 sf 0.00% Impervious Runoff Depth=2.41"
Flow Length=1,000' Tc=25.6 min CN=70 Runoff=13.15 cfs 1.560 af

Subcatchment5S: Subcatchment- 5 Runoff Area=276,214 sf 0.00% Impervious Runoff Depth=2.41"
Flow Length=950' Tc=25.1 min CN=70 Runoff=10.85 cfs 1.276 af

Subcatchment6S: Subcatchment- 6 Runoff Area=295,973 sf 1.89% Impervious Runoff Depth=2.68"
Flow Length=1,050' Tc=45.7 min CN=73 Runoff=9.77 cfs 1.517 af

Subcatchment7S: Subcatchment- 7 Runoff Area=481,846 sf 15.77% Impervious Runoff Depth=2.86"
Flow Length=1,150' Tc=25.7 min UI Adjusted CN=75 Runoff=22.46 cfs 2.637 af

Subcatchment8S: Subcatchment- 8 Runoff Area=578,171 sf 1.44% Impervious Runoff Depth=3.05"
Flow Length=1,075' Tc=20.4 min CN=77 Runoff=31.67 cfs 3.370 af

Subcatchment9S: Subcatchment- 9 Runoff Area=409,386 sf 13.45% Impervious Runoff Depth=3.05"
Flow Length=1,275' Tc=20.2 min UI Adjusted CN=77 Runoff=22.57 cfs 2.386 af

Subcatchment10S: Subcatchment- 10 Runoff Area=200,033 sf 0.00% Impervious Runoff Depth=2.59"
Flow Length=700' Tc=18.9 min CN=72 Runoff=9.54 cfs 0.991 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=32.09 cfs 2.777 af
Outflow=32.09 cfs 2.777 af

Reach POA-10: Existing Woods to the Northwest Inflow=9.54 cfs 0.991 af
Outflow=9.54 cfs 0.991 af

Reach POA-2: Existing Woods to the Northwest Inflow=41.76 cfs 2.971 af
Outflow=41.76 cfs 2.971 af

Reach POA-3: Existing Woods to the Northwest Inflow=7.79 cfs 1.134 af
Outflow=7.79 cfs 1.134 af

Reach POA-4: Existing Woods to the Northwest Inflow=13.15 cfs 1.560 af
Outflow=13.15 cfs 1.560 af

Reach POA-5: Existing Woods to the Northwest Inflow=10.85 cfs 1.276 af
Outflow=10.85 cfs 1.276 af

Reach POA-6: Existing Woods to the Northeast Inflow=9.77 cfs 1.517 af
Outflow=9.77 cfs 1.517 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=22.46 cfs 2.637 af
Outflow=22.46 cfs 2.637 af

Reach POA-8: Existing Woods to the Northeast Inflow=31.67 cfs 3.370 af
Outflow=31.67 cfs 3.370 af

Reach POA-9: Existing Woods to the Northeast Inflow=22.57 cfs 2.386 af
Outflow=22.57 cfs 2.386 af

Total Runoff Area = 89.764 ac Runoff Volume = 20.619 af Average Runoff Depth = 2.76"
93.50% Pervious = 83.929 ac 6.50% Impervious = 5.835 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 32.09 cfs @ 12.17 hrs, Volume= 2.777 af, Depth= 2.77"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	31,320	98	Unconnected Outcrop, HSG D
	119,196	77	Woods, Good, HSG D
	86,728	70	Woods, Good, HSG C
	231,002	70	Woods, Good, HSG C
	20,386	77	Woods, Good, HSG D
*	35,589	98	Unconnected Outcrop, HSG D
	524,221	75	Weighted Average, UI Adjusted CN = 74
	457,312		87.24% Pervious Area
	66,909		12.76% Impervious Area
	66,909		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1500	3.08		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.3	200	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
11.1	900	0.0730	1.35		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
11.9	1,200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff = 41.76 cfs @ 12.09 hrs, Volume= 2.971 af, Depth= 2.77"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
	518,592		92.46% Pervious Area
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1600	3.16		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
5.9	910	Total, Increased to minimum Tc = 6.0 min			

Summary for Subcatchment 3S: Subcatchment - 3

Runoff = 7.79 cfs @ 12.55 hrs, Volume= 1.134 af, Depth= 2.41"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
196,656	70	Woods, Good, HSG C
48,949	70	Woods, Good, HSG C
245,605	70	Weighted Average
245,605		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.7	150	0.0200	0.08		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
3.3	150	0.0230	0.76		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
3.4	350	0.1200	1.73		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.2	300	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 13.15 cfs @ 12.37 hrs, Volume= 1.560 af, Depth= 2.41"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
8,570	70	Woods, Good, HSG C
329,216	70	Woods, Good, HSG C
337,786	70	Weighted Average
337,786		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.5	850	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.6	1,000	Total			

Summary for Subcatchment 5S: Subcatchment - 5

Runoff = 10.85 cfs @ 12.36 hrs, Volume= 1.276 af, Depth= 2.41"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
129,095	70	Woods, Good, HSG C
147,119	70	Woods, Good, HSG C
276,214	70	Weighted Average
276,214		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 6S: Subcatchment - 6

Runoff = 9.77 cfs @ 12.64 hrs, Volume= 1.517 af, Depth= 2.68"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	5,603	98	Unconnected Outcrop, HSG D
	240,370	70	Woods, Good, HSG C
	50,000	86	Pasture/grassland/range, Poor, HSG C
	295,973	73	Weighted Average
	290,370		98.11% Pervious Area
	5,603		1.89% Impervious Area
	5,603		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	150	0.0130	0.07		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
45.7	1,050	Total			

Summary for Subcatchment 7S: Subcatchment - 7

Runoff = 22.46 cfs @ 12.36 hrs, Volume= 2.637 af, Depth= 2.86"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
	76,444	70	Woods, Good, HSG C
	182,402	70	Woods, Good, HSG C
	99,000	74	Pasture/grassland/range, Good, HSG C
	25,000	96	Gravel surface, HSG C
	23,000	77	Woods, Good, HSG D
*	76,000	98	Unconnected Outcrop, HSG C
	481,846	77	Weighted Average, UI Adjusted CN = 75
	405,846		84.23% Pervious Area
	76,000		15.77% Impervious Area
	76,000		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
0.1	70	0.2000	9.08		**Shallow Concentrated Flow, Shallow Flow C-D** Paved Kv= 20.3 fps
0.9	120	0.2100	2.29		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
0.1	80	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow E-F** Paved Kv= 20.3 fps
1.9	190	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow F-G** Woodland Kv= 5.0 fps
4.0	380	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow G-H** Short Grass Pasture Kv= 7.0 fps
25.7	1,150	Total			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 31.67 cfs @ 12.28 hrs, Volume= 3.370 af, Depth= 3.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	8,320	98	Unconnected Outcrop, HSG D
	321,473	70	Woods, Good, HSG C
	248,378	86	Pasture/grassland/range, Poor, HSG C
	578,171	77	Weighted Average
	569,851		98.56% Pervious Area
	8,320		1.44% Impervious Area
	8,320		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.7	150	0.0460	1.50		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
1.0	75	0.0570	1.19		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.4	450	0.1000	2.21		**Shallow Concentrated Flow, Shallow Flow D-E** Short Grass Pasture Kv= 7.0 fps
2.2	250	0.1440	1.90		**Shallow Concentrated Flow, Shallow Flow E-F** Woodland Kv= 5.0 fps
20.4	1,075	Total			

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 22.57 cfs @ 12.28 hrs, Volume= 2.386 af, Depth= 3.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	100	0.0400	0.25		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
20.2	1,275	Total			

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 9.54 cfs @ 12.27 hrs, Volume= 0.991 af, Depth= 2.59"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
	47,717	70	Woods, Good, HSG C
	81,029	70	Woods, Good, HSG C
	49,287	70	Woods, Good, HSG C
	20,000	86	Pasture/grassland/range, Poor, HSG C
*	2,000	96	Gravel Road surface, HSG C
	200,033	72	Weighted Average
	200,033		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.1	100	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
5.7	450	0.0700	1.32		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

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

Inflow Area = 12.034 ac, 12.76% Impervious, Inflow Depth = 2.77" for 25 year event
Inflow = 32.09 cfs @ 12.17 hrs, Volume= 2.777 af
Outflow = 32.09 cfs @ 12.17 hrs, Volume= 2.777 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

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

Inflow Area = 4.592 ac, 0.00% Impervious, Inflow Depth = 2.59" for 25 year event
Inflow = 9.54 cfs @ 12.27 hrs, Volume= 0.991 af
Outflow = 9.54 cfs @ 12.27 hrs, Volume= 0.991 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

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

Inflow Area = 12.876 ac, 7.54% Impervious, Inflow Depth = 2.77" for 25 year event
Inflow = 41.76 cfs @ 12.09 hrs, Volume= 2.971 af
Outflow = 41.76 cfs @ 12.09 hrs, Volume= 2.971 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

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

Inflow Area = 5.638 ac, 0.00% Impervious, Inflow Depth = 2.41" for 25 year event
Inflow = 7.79 cfs @ 12.55 hrs, Volume= 1.134 af
Outflow = 7.79 cfs @ 12.55 hrs, Volume= 1.134 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

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

Inflow Area = 7.754 ac, 0.00% Impervious, Inflow Depth = 2.41" for 25 year event
Inflow = 13.15 cfs @ 12.37 hrs, Volume= 1.560 af
Outflow = 13.15 cfs @ 12.37 hrs, Volume= 1.560 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

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

Inflow Area = 6.341 ac, 0.00% Impervious, Inflow Depth = 2.41" for 25 year event
Inflow = 10.85 cfs @ 12.36 hrs, Volume= 1.276 af
Outflow = 10.85 cfs @ 12.36 hrs, Volume= 1.276 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

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

Inflow Area = 6.795 ac, 1.89% Impervious, Inflow Depth = 2.68" for 25 year event
Inflow = 9.77 cfs @ 12.64 hrs, Volume= 1.517 af
Outflow = 9.77 cfs @ 12.64 hrs, Volume= 1.517 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

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

Inflow Area = 11.062 ac, 15.77% Impervious, Inflow Depth = 2.86" for 25 year event
Inflow = 22.46 cfs @ 12.36 hrs, Volume= 2.637 af
Outflow = 22.46 cfs @ 12.36 hrs, Volume= 2.637 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

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

Inflow Area = 13.273 ac, 1.44% Impervious, Inflow Depth = 3.05" for 25 year event
Inflow = 31.67 cfs @ 12.28 hrs, Volume= 3.370 af
Outflow = 31.67 cfs @ 12.28 hrs, Volume= 3.370 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

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

Inflow Area = 9.398 ac, 13.45% Impervious, Inflow Depth = 3.05" for 25 year event
Inflow = 22.57 cfs @ 12.28 hrs, Volume= 2.386 af
Outflow = 22.57 cfs @ 12.28 hrs, Volume= 2.386 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1S: Subcatchment- 1 Runoff Area=524,221 sf 12.76% Impervious Runoff Depth=4.04"
Flow Length=1,200' Tc=11.9 min UI Adjusted CN=74 Runoff=46.98 cfs 4.054 af

Subcatchment2S: Subcatchment- 2 Runoff Area=560,880 sf 7.54% Impervious Runoff Depth=4.04"
Flow Length=910' Tc=6.0 min UI Adjusted CN=74 Runoff=61.03 cfs 4.337 af

Subcatchment3S: Subcatchment- 3 Runoff Area=245,605 sf 0.00% Impervious Runoff Depth=3.62"
Flow Length=950' Tc=39.6 min CN=70 Runoff=11.83 cfs 1.700 af

Subcatchment4S: Subcatchment- 4 Runoff Area=337,786 sf 0.00% Impervious Runoff Depth=3.62"
Flow Length=1,000' Tc=25.6 min CN=70 Runoff=19.92 cfs 2.338 af

Subcatchment5S: Subcatchment- 5 Runoff Area=276,214 sf 0.00% Impervious Runoff Depth=3.62"
Flow Length=950' Tc=25.1 min CN=70 Runoff=16.45 cfs 1.912 af

Subcatchment6S: Subcatchment- 6 Runoff Area=295,973 sf 1.89% Impervious Runoff Depth=3.94"
Flow Length=1,050' Tc=45.7 min CN=73 Runoff=14.43 cfs 2.228 af

Subcatchment7S: Subcatchment- 7 Runoff Area=481,846 sf 15.77% Impervious Runoff Depth=4.15"
Flow Length=1,150' Tc=25.7 min UI Adjusted CN=75 Runoff=32.62 cfs 3.825 af

Subcatchment8S: Subcatchment- 8 Runoff Area=578,171 sf 1.44% Impervious Runoff Depth=4.37"
Flow Length=1,075' Tc=20.4 min CN=77 Runoff=45.34 cfs 4.829 af

Subcatchment9S: Subcatchment- 9 Runoff Area=409,386 sf 13.45% Impervious Runoff Depth=4.37"
Flow Length=1,275' Tc=20.2 min UI Adjusted CN=77 Runoff=32.29 cfs 3.419 af

Subcatchment10S: Subcatchment- 10 Runoff Area=200,033 sf 0.00% Impervious Runoff Depth=3.83"
Flow Length=700' Tc=18.9 min CN=72 Runoff=14.21 cfs 1.465 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=46.98 cfs 4.054 af
Outflow=46.98 cfs 4.054 af

Reach POA-10: Existing Woods to the Northwest Inflow=14.21 cfs 1.465 af
Outflow=14.21 cfs 1.465 af

Reach POA-2: Existing Woods to the Northwest Inflow=61.03 cfs 4.337 af
Outflow=61.03 cfs 4.337 af

Reach POA-3: Existing Woods to the Northwest Inflow=11.83 cfs 1.700 af
Outflow=11.83 cfs 1.700 af

Reach POA-4: Existing Woods to the Northwest Inflow=19.92 cfs 2.338 af
Outflow=19.92 cfs 2.338 af

Reach POA-5: Existing Woods to the Northwest Inflow=16.45 cfs 1.912 af
Outflow=16.45 cfs 1.912 af

Reach POA-6: Existing Woods to the Northeast Inflow=14.43 cfs 2.228 af
Outflow=14.43 cfs 2.228 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=32.62 cfs 3.825 af
Outflow=32.62 cfs 3.825 af

Reach POA-8: Existing Woods to the Northeast Inflow=45.34 cfs 4.829 af
Outflow=45.34 cfs 4.829 af

Reach POA-9: Existing Woods to the Northeast Inflow=32.29 cfs 3.419 af
Outflow=32.29 cfs 3.419 af

Total Runoff Area = 89.764 ac Runoff Volume = 30.108 af Average Runoff Depth = 4.02"
93.50% Pervious = 83.929 ac 6.50% Impervious = 5.835 ac

Summary for Subcatchment 1S: Subcatchment - 1

Runoff = 46.98 cfs @ 12.16 hrs, Volume= 4.054 af, Depth= 4.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	31,320	98	Unconnected Outcrop, HSG D
	119,196	77	Woods, Good, HSG D
	86,728	70	Woods, Good, HSG C
	231,002	70	Woods, Good, HSG C
	20,386	77	Woods, Good, HSG D
*	35,589	98	Unconnected Outcrop, HSG D
	524,221	75	Weighted Average, UI Adjusted CN = 74
	457,312		87.24% Pervious Area
	66,909		12.76% Impervious Area
	66,909		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1500	3.08		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.3	200	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
11.1	900	0.0730	1.35		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
11.9	1,200	Total			

Summary for Subcatchment 2S: Subcatchment - 2

Runoff = 61.03 cfs @ 12.09 hrs, Volume= 4.337 af, Depth= 4.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
	288,520	70	Woods, Good, HSG C
*	42,288	98	Unconnected Outcrop, HSG D
	89,278	77	Woods, Good, HSG D
	12,686	70	Woods, Good, HSG C
	128,108	77	Woods, Good, HSG D
	560,880	75	Weighted Average, UI Adjusted CN = 74
	518,592		92.46% Pervious Area
	42,288		7.54% Impervious Area
	42,288		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
0.5	100	0.1600	3.16		**Sheet Flow, Sheet Flow A-B** Smooth surfaces n= 0.011 P2= 3.20"
0.2	110	0.1800	8.61		**Shallow Concentrated Flow, Shallow Flow B-C** Paved Kv= 20.3 fps
5.2	700	0.2000	2.24		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
5.9	910	Total, Increased to minimum Tc = 6.0 min			

Summary for Subcatchment 3S: Subcatchment - 3

Runoff = 11.83 cfs @ 12.54 hrs, Volume= 1.700 af, Depth= 3.62"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
196,656	70	Woods, Good, HSG C
48,949	70	Woods, Good, HSG C
245,605	70	Weighted Average
245,605		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
29.7	150	0.0200	0.08		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
3.3	150	0.0230	0.76		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
3.4	350	0.1200	1.73		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.2	300	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
39.6	950	Total			

Summary for Subcatchment 4S: Subcatchment - 4

Runoff = 19.92 cfs @ 12.37 hrs, Volume= 2.338 af, Depth= 3.62"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
8,570	70	Woods, Good, HSG C
329,216	70	Woods, Good, HSG C
337,786	70	Weighted Average
337,786		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.5	850	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.6	1,000	Total			

Summary for Subcatchment 5S: Subcatchment - 5

Runoff = 16.45 cfs @ 12.35 hrs, Volume= 1.912 af, Depth= 3.62"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
129,095	70	Woods, Good, HSG C
147,119	70	Woods, Good, HSG C
276,214	70	Weighted Average
276,214		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 6S: Subcatchment - 6

Runoff = 14.43 cfs @ 12.64 hrs, Volume= 2.228 af, Depth= 3.94"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	5,603	98	Unconnected Outcrop, HSG D
	240,370	70	Woods, Good, HSG C
	50,000	86	Pasture/grassland/range, Poor, HSG C
	295,973	73	Weighted Average
	290,370		98.11% Pervious Area
	5,603		1.89% Impervious Area
	5,603		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
35.3	150	0.0130	0.07		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
5.0	260	0.0300	0.87		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
2.8	390	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
2.6	250	0.1000	1.58		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
45.7	1,050	Total			

Summary for Subcatchment 7S: Subcatchment - 7

Runoff = 32.62 cfs @ 12.36 hrs, Volume= 3.825 af, Depth= 4.15"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
	76,444	70	Woods, Good, HSG C
	182,402	70	Woods, Good, HSG C
	99,000	74	Pasture/grassland/range, Good, HSG C
	25,000	96	Gravel surface, HSG C
	23,000	77	Woods, Good, HSG D
*	76,000	98	Unconnected Outcrop, HSG C
	481,846	77	Weighted Average, UI Adjusted CN = 75
	405,846		84.23% Pervious Area
	76,000		15.77% Impervious Area
	76,000		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
1.6	160	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
0.1	70	0.2000	9.08		**Shallow Concentrated Flow, Shallow Flow C-D** Paved Kv= 20.3 fps
0.9	120	0.2100	2.29		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
0.1	80	0.2500	10.15		**Shallow Concentrated Flow, Shallow Flow E-F** Paved Kv= 20.3 fps
1.9	190	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow F-G** Woodland Kv= 5.0 fps
4.0	380	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow G-H** Short Grass Pasture Kv= 7.0 fps
25.7	1,150	Total			

Summary for Subcatchment 8S: Subcatchment - 8

Runoff = 45.34 cfs @ 12.27 hrs, Volume= 4.829 af, Depth= 4.37"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	8,320	98	Unconnected Outcrop, HSG D
	321,473	70	Woods, Good, HSG C
	248,378	86	Pasture/grassland/range, Poor, HSG C
	578,171	77	Weighted Average
	569,851		98.56% Pervious Area
	8,320		1.44% Impervious Area
	8,320		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.7	150	0.0460	1.50		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
1.0	75	0.0570	1.19		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
3.4	450	0.1000	2.21		**Shallow Concentrated Flow, Shallow Flow D-E** Short Grass Pasture Kv= 7.0 fps
2.2	250	0.1440	1.90		**Shallow Concentrated Flow, Shallow Flow E-F** Woodland Kv= 5.0 fps
20.4	1,075	Total			

Summary for Subcatchment 9S: Subcatchment - 9

Runoff = 32.29 cfs @ 12.28 hrs, Volume= 3.419 af, Depth= 4.37"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	42,364	98	Unconnected Outcrop, HSG D
	229,322	70	Woods, Good, HSG C
	125,000	86	Pasture/grassland/range, Poor, HSG C
*	12,700	98	Unconnected Outcrop, HSG C
	409,386	79	Weighted Average, UI Adjusted CN = 77
	354,322		86.55% Pervious Area
	55,064		13.45% Impervious Area
	55,064		100.00% Unconnected

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.6	100	0.0400	0.25		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
8.8	500	0.0360	0.95		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
4.1	575	0.1100	2.32		**Shallow Concentrated Flow, Shallow Flow C-D** Short Grass Pasture Kv= 7.0 fps
0.7	100	0.2400	2.45		**Shallow Concentrated Flow, Shallow Flow D-E** Woodland Kv= 5.0 fps
20.2	1,275	Total			

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 14.21 cfs @ 12.26 hrs, Volume= 1.465 af, Depth= 3.83"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
	47,717	70	Woods, Good, HSG C
	81,029	70	Woods, Good, HSG C
	49,287	70	Woods, Good, HSG C
	20,000	86	Pasture/grassland/range, Poor, HSG C
*	2,000	96	Gravel Road surface, HSG C
	200,033	72	Weighted Average
	200,033		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.1	150	0.0200	0.21		**Sheet Flow, Sheet Flow A-B** Range n= 0.130 P2= 3.20"
1.1	100	0.0500	1.57		**Shallow Concentrated Flow, Shallow Flow B-C** Short Grass Pasture Kv= 7.0 fps
5.7	450	0.0700	1.32		**Shallow Concentrated Flow, Shallow Flow C-D** Woodland Kv= 5.0 fps
18.9	700	Total			

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

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

Inflow Area = 12.034 ac, 12.76% Impervious, Inflow Depth = 4.04" for 100 year event
Inflow = 46.98 cfs @ 12.16 hrs, Volume= 4.054 af
Outflow = 46.98 cfs @ 12.16 hrs, Volume= 4.054 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

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

Inflow Area = 4.592 ac, 0.00% Impervious, Inflow Depth = 3.83" for 100 year event
Inflow = 14.21 cfs @ 12.26 hrs, Volume= 1.465 af
Outflow = 14.21 cfs @ 12.26 hrs, Volume= 1.465 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

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

Inflow Area = 12.876 ac, 7.54% Impervious, Inflow Depth = 4.04" for 100 year event
Inflow = 61.03 cfs @ 12.09 hrs, Volume= 4.337 af
Outflow = 61.03 cfs @ 12.09 hrs, Volume= 4.337 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

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

Inflow Area = 5.638 ac, 0.00% Impervious, Inflow Depth = 3.62" for 100 year event
Inflow = 11.83 cfs @ 12.54 hrs, Volume= 1.700 af
Outflow = 11.83 cfs @ 12.54 hrs, Volume= 1.700 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

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

Inflow Area = 7.754 ac, 0.00% Impervious, Inflow Depth = 3.62" for 100 year event
Inflow = 19.92 cfs @ 12.37 hrs, Volume= 2.338 af
Outflow = 19.92 cfs @ 12.37 hrs, Volume= 2.338 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

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

Inflow Area = 6.341 ac, 0.00% Impervious, Inflow Depth = 3.62" for 100 year event
Inflow = 16.45 cfs @ 12.35 hrs, Volume= 1.912 af
Outflow = 16.45 cfs @ 12.35 hrs, Volume= 1.912 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

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

Inflow Area = 6.795 ac, 1.89% Impervious, Inflow Depth = 3.94" for 100 year event
Inflow = 14.43 cfs @ 12.64 hrs, Volume= 2.228 af
Outflow = 14.43 cfs @ 12.64 hrs, Volume= 2.228 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

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

Inflow Area = 11.062 ac, 15.77% Impervious, Inflow Depth = 4.15" for 100 year event
Inflow = 32.62 cfs @ 12.36 hrs, Volume= 3.825 af
Outflow = 32.62 cfs @ 12.36 hrs, Volume= 3.825 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

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

Inflow Area = 13.273 ac, 1.44% Impervious, Inflow Depth = 4.37" for 100 year event
Inflow = 45.34 cfs @ 12.27 hrs, Volume= 4.829 af
Outflow = 45.34 cfs @ 12.27 hrs, Volume= 4.829 af, Atten= 0%, Lag= 0.0 min

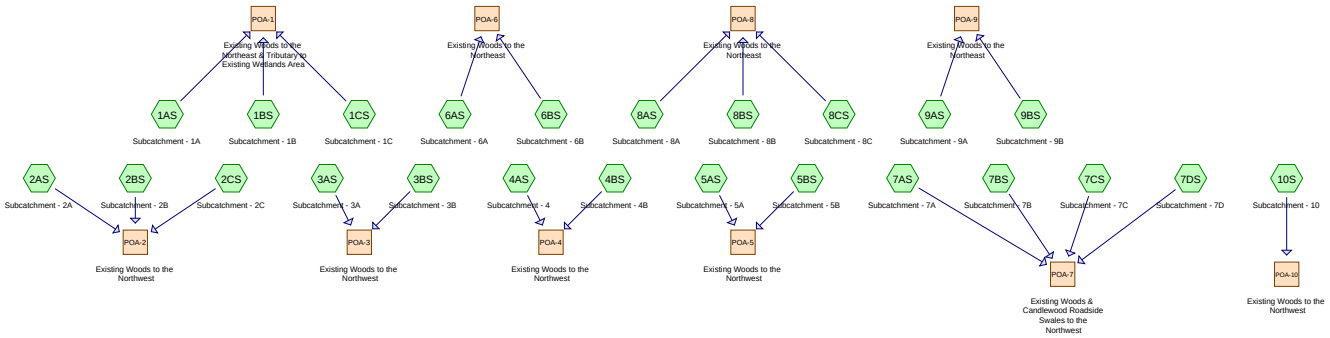
Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

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

Inflow Area = 9.398 ac, 13.45% Impervious, Inflow Depth = 4.37" for 100 year event
Inflow = 32.29 cfs @ 12.28 hrs, Volume= 3.419 af
Outflow = 32.29 cfs @ 12.28 hrs, Volume= 3.419 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs



- PRELIMINARY ANALYSIS -
TO BE REFINED PRIOR TO CONSTRUCTION

Subcat Reach Pond Link

Routing Diagram for New Milford Post-Development
Prepared by AMECFW, Printed 6/27/2017
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Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
2.337	70	Woods, Good, HSG C (7AS, 7BS, 7CS, 7DS)
70.206	71	Meadow, non-grazed, HSG C (1AS, 1BS, 1CS, 2BS, 2CS, 3AS, 3BS, 4AS, 4BS, 5AS, 5BS, 6AS, 6BS, 7AS, 7BS, 7CS, 7DS, 8AS, 8BS, 8CS, 9AS, 9BS, 10S)
10.555	78	Meadow, non-grazed, HSG D (1AS, 1BS, 1CS, 2AS, 2BS, 2CS, 6AS, 6BS, 8AS, 8BS, 8CS, 9AS, 9BS)
1.722	80	Pasture/grassland/range, Good, HSG D (7AS, 7DS)
4.943	98	Unconnected Outcrop, HSG D (1AS, 1BS, 1CS, 2AS, 2BS, 2CS, 6BS, 7AS, 7BS, 7CS, 8BS, 8CS, 9AS, 9BS)
89.764	**73**	**TOTAL AREA**

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
72.544	HSG C	1AS, 1BS, 1CS, 2BS, 2CS, 3AS, 3BS, 4AS, 4BS, 5AS, 5BS, 6AS, 6BS, 7AS, 7BS, 7CS, 7DS, 8AS, 8BS, 8CS, 9AS, 9BS, 10S
17.221	HSG D	1AS, 1BS, 1CS, 2AS, 2BS, 2CS, 6AS, 6BS, 7AS, 7BS, 7CS, 7DS, 8AS, 8BS, 8CS, 9AS, 9BS
0.000	Other	
89.764		**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	4.943	0.000	4.943	Unconnected Outcrop	1AS, 1BS, 1CS, 2AS, 2BS, 2CS, 6BS, 7AS, 7BS, 7CS, 8BS, 8CS, 9AS, 9BS
0.000	0.000	0.000	1.722	0.000	1.722	Pasture/grassland/range, Good	7AS, 7DS
0.000	0.000	70.206	10.555	0.000	80.762	Meadow, non-grazed	1AS, 1BS, 1CS, 2AS, 2BS, 2CS, 3AS,

Ground Covers (all nodes) (continued)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.000	2.337	0.000	0.000	2.337	Woods, Good	7AS, 7BS, 7CS, 7DS
0.000	**0.000**	**72.544**	**17.221**	**0.000**	**89.764**	**TOTAL AREA**	

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1AS: Subcatchment- 1A Runoff Area=136,972 sf 38.73% Impervious Runoff Depth=1.33"
Tc=0.0 min CN=86 Runoff=5.98 cfs 0.347 af

Subcatchment1BS: Subcatchment- 1B Runoff Area=204,474 sf 9.41% Impervious Runoff Depth=0.67"
Tc=0.0 min UI Adjusted CN=74 Runoff=3.98 cfs 0.260 af

Subcatchment1CS: Subcatchment- 1C Runoff Area=189,496 sf 1.12% Impervious Runoff Depth=0.58"
Tc=0.0 min CN=72 Runoff=3.06 cfs 0.211 af

Subcatchment2AS: Subcatchment- 2A Runoff Area=89,786 sf 15.05% Impervious Runoff Depth=0.96"
Tc=0.0 min UI Adjusted CN=80 Runoff=2.75 cfs 0.165 af

Subcatchment2BS: Subcatchment- 2B Runoff Area=209,244 sf 7.62% Impervious Runoff Depth=0.71"
Tc=0.0 min UI Adjusted CN=75 Runoff=4.43 cfs 0.284 af

Subcatchment2CS: Subcatchment- 2C Runoff Area=209,786 sf 4.23% Impervious Runoff Depth=0.62"
Tc=0.0 min UI Adjusted CN=73 Runoff=3.73 cfs 0.250 af

Subcatchment3AS: Subcatchment- 3A Runoff Area=186,204 sf 0.00% Impervious Runoff Depth=0.54"
Tc=0.0 min CN=71 Runoff=2.69 cfs 0.193 af

Subcatchment3BS: Subcatchment- 3B Runoff Area=111,129 sf 0.00% Impervious Runoff Depth=0.54"
Tc=0.0 min CN=71 Runoff=1.60 cfs 0.115 af

Subcatchment4AS: Subcatchment- 4 Runoff Area=166,208 sf 0.00% Impervious Runoff Depth=0.54"
Tc=0.0 min CN=71 Runoff=2.40 cfs 0.172 af

Subcatchment4BS: Subcatchment- 4B Runoff Area=191,314 sf 0.00% Impervious Runoff Depth=0.54"
Tc=0.0 min CN=71 Runoff=2.76 cfs 0.198 af

Subcatchment5AS: Subcatchment- 5A Runoff Area=113,745 sf 0.00% Impervious Runoff Depth=0.54"
Tc=0.0 min CN=71 Runoff=1.64 cfs 0.118 af

Subcatchment5BS: Subcatchment- 5B Runoff Area=112,627 sf 0.00% Impervious Runoff Depth=0.54"
Tc=0.0 min CN=71 Runoff=1.62 cfs 0.117 af

Subcatchment6AS: Subcatchment- 6A Runoff Area=96,085 sf 0.00% Impervious Runoff Depth=0.54"
Tc=0.0 min CN=71 Runoff=1.39 cfs 0.100 af

Subcatchment6BS: Subcatchment- 6B Runoff Area=198,421 sf 2.82% Impervious Runoff Depth=0.54"
Tc=0.0 min UI Adjusted CN=71 Runoff=2.86 cfs 0.206 af

Subcatchment7AS: Subcatchment- 7A Runoff Area=177,887 sf 24.72% Impervious Runoff Depth=0.76"
Tc=0.0 min UI Adjusted CN=76 Runoff=4.09 cfs 0.257 af

Subcatchment7BS: Subcatchment- 7B Runoff Area=161,349 sf 18.70% Impervious Runoff Depth=0.62"
Tc=0.0 min UI Adjusted CN=73 Runoff=2.87 cfs 0.192 af

Subcatchment7CS: Subcatchment- 7C Runoff Area=102,117 sf 2.83% Impervious Runoff Depth=0.54"
Tc=0.0 min UI Adjusted CN=71 Runoff=1.47 cfs 0.106 af

Subcatchment7DS: Subcatchment- 7D Runoff Area=67,146 sf 0.00% Impervious Runoff Depth=0.76"
Flow Length=950' Tc=25.1 min CN=76 Runoff=0.77 cfs 0.097 af

Subcatchment8AS: Subcatchment- 8A Runoff Area=216,440 sf 0.00% Impervious Runoff Depth=0.58"
Tc=0.0 min CN=72 Runoff=3.49 cfs 0.241 af

Subcatchment8BS: Subcatchment- 8B Runoff Area=192,247 sf 0.16% Impervious Runoff Depth=0.58"
Tc=0.0 min CN=72 Runoff=3.10 cfs 0.214 af

Subcatchment8CS: Subcatchment- 8C Runoff Area=169,496 sf 5.88% Impervious Runoff Depth=0.62"
Tc=0.0 min UI Adjusted CN=73 Runoff=3.01 cfs 0.202 af

Subcatchment9AS: Subcatchment- 9A Runoff Area=188,366 sf 4.68% Impervious Runoff Depth=0.58"
Tc=0.0 min UI Adjusted CN=72 Runoff=3.04 cfs 0.210 af

Subcatchment9BS: Subcatchment- 9B Runoff Area=201,560 sf 0.44% Impervious Runoff Depth=0.54"
Tc=0.0 min CN=71 Runoff=2.91 cfs 0.209 af

Subcatchment10S: Subcatchment- 10 Runoff Area=218,036 sf 0.00% Impervious Runoff Depth=0.54"
Tc=0.0 min CN=71 Runoff=3.15 cfs 0.226 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=13.00 cfs 0.818 af
Outflow=13.00 cfs 0.818 af

Reach POA-10: Existing Woods to the Northwest Inflow=3.15 cfs 0.226 af
Outflow=3.15 cfs 0.226 af

Reach POA-2: Existing Woods to the Northwest Inflow=10.91 cfs 0.699 af
Outflow=10.91 cfs 0.699 af

Reach POA-3: Existing Woods to the Northwest Inflow=4.29 cfs 0.308 af
Outflow=4.29 cfs 0.308 af

Reach POA-4: Existing Woods to the Northwest Inflow=5.16 cfs 0.371 af
Outflow=5.16 cfs 0.371 af

Reach POA-5: Existing Woods to the Northwest Inflow=3.27 cfs 0.235 af
Outflow=3.27 cfs 0.235 af

Reach POA-6: Existing Woods to the Northeast Inflow=4.25 cfs 0.305 af
Outflow=4.25 cfs 0.305 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=8.59 cfs 0.652 af
Outflow=8.59 cfs 0.652 af

Reach POA-8: Existing Woods to the Northeast Inflow=9.61 cfs 0.656 af
Outflow=9.61 cfs 0.656 af

Reach POA-9: Existing Woods to the Northeast

Inflow=5.92 cfs 0.418 af
Outflow=5.92 cfs 0.418 af

Total Runoff Area = 89.764 ac Runoff Volume = 4.689 af Average Runoff Depth = 0.63"
94.49% Pervious = 84.821 ac 5.51% Impervious = 4.943 ac

Summary for Subcatchment 1AS: Subcatchment - 1A

Runoff = 5.98 cfs @ 12.00 hrs, Volume= 0.347 af, Depth= 1.33"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	35,114	98	Unconnected Outcrop, HSG D
	79,782	78	Meadow, non-grazed, HSG D
*	17,933	98	Unconnected Outcrop, HSG D
	4,143	71	Meadow, non-grazed, HSG C
	136,972	86	Weighted Average
	83,925		61.27% Pervious Area
	53,047		38.73% Impervious Area
	53,047		100.00% Unconnected

Summary for Subcatchment 1BS: Subcatchment - 1B

Runoff = 3.98 cfs @ 12.00 hrs, Volume= 0.260 af, Depth= 0.67"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	13,477	98	Unconnected Outcrop, HSG D
	42,165	78	Meadow, non-grazed, HSG D
	47,492	71	Meadow, non-grazed, HSG C
	95,573	71	Meadow, non-grazed, HSG C
*	5,767	98	Unconnected Outcrop, HSG D
	204,474	75	Weighted Average, UI Adjusted CN = 74
	185,230		90.59% Pervious Area
	19,244		9.41% Impervious Area
	19,244		100.00% Unconnected

Summary for Subcatchment 1CS: Subcatchment - 1C

Runoff = 3.06 cfs @ 12.00 hrs, Volume= 0.211 af, Depth= 0.58"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
	9,856	78	Meadow, non-grazed, HSG D
	177,514	71	Meadow, non-grazed, HSG C
*	2,126	98	Unconnected Outcrop, HSG D
	189,496	72	Weighted Average
	187,370		98.88% Pervious Area
	2,126		1.12% Impervious Area
	2,126		100.00% Unconnected

Summary for Subcatchment 2AS: Subcatchment - 2A

Runoff = 2.75 cfs @ 12.00 hrs, Volume= 0.165 af, Depth= 0.96"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	13,513	98	Unconnected Outcrop, HSG D
	76,273	78	Meadow, non-grazed, HSG D
	89,786	81	Weighted Average, UI Adjusted CN = 80
	76,273		84.95% Pervious Area
	13,513		15.05% Impervious Area
	13,513		100.00% Unconnected

Summary for Subcatchment 2BS: Subcatchment - 2B

Runoff = 4.43 cfs @ 12.00 hrs, Volume= 0.284 af, Depth= 0.71"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	15,936	98	Unconnected Outcrop, HSG D
	80,385	78	Meadow, non-grazed, HSG D
	112,923	71	Meadow, non-grazed, HSG C
	209,244	76	Weighted Average, UI Adjusted CN = 75
	193,308		92.38% Pervious Area
	15,936		7.62% Impervious Area
	15,936		100.00% Unconnected

Summary for Subcatchment 2CS: Subcatchment - 2C

Runoff = 3.73 cfs @ 12.00 hrs, Volume= 0.250 af, Depth= 0.62"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	8,868	98	Unconnected Outcrop, HSG D
	50,494	78	Meadow, non-grazed, HSG D
	150,424	71	Meadow, non-grazed, HSG C
	209,786	74	Weighted Average, UI Adjusted CN = 73
	200,918		95.77% Pervious Area
	8,868		4.23% Impervious Area
	8,868		100.00% Unconnected

Summary for Subcatchment 3AS: Subcatchment - 3A

Runoff = 2.69 cfs @ 12.01 hrs, Volume= 0.193 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
186,204	71	Meadow, non-grazed, HSG C
186,204		100.00% Pervious Area

Summary for Subcatchment 3BS: Subcatchment - 3B

Runoff = 1.60 cfs @ 12.01 hrs, Volume= 0.115 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
111,129	71	Meadow, non-grazed, HSG C
111,129		100.00% Pervious Area

Summary for Subcatchment 4AS: Subcatchment - 4

Runoff = 2.40 cfs @ 12.01 hrs, Volume= 0.172 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
166,208	71	Meadow, non-grazed, HSG C
166,208		100.00% Pervious Area

Summary for Subcatchment 4BS: Subcatchment - 4B

Runoff = 2.76 cfs @ 12.01 hrs, Volume= 0.198 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
191,314	71	Meadow, non-grazed, HSG C
191,314		100.00% Pervious Area

Summary for Subcatchment 5AS: Subcatchment - 5A

Runoff = 1.64 cfs @ 12.01 hrs, Volume= 0.118 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
113,745	71	Meadow, non-grazed, HSG C
113,745		100.00% Pervious Area

Summary for Subcatchment 5BS: Subcatchment - 5B

Runoff = 1.62 cfs @ 12.01 hrs, Volume= 0.117 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
112,627	71	Meadow, non-grazed, HSG C
112,627		100.00% Pervious Area

Summary for Subcatchment 6AS: Subcatchment - 6A

Runoff = 1.39 cfs @ 12.01 hrs, Volume= 0.100 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
3,203	78	Meadow, non-grazed, HSG D
92,882	71	Meadow, non-grazed, HSG C
96,085	71	Weighted Average
96,085		100.00% Pervious Area

Summary for Subcatchment 6BS: Subcatchment - 6B

Runoff = 2.86 cfs @ 12.01 hrs, Volume= 0.206 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
	3,153	78	Meadow, non-grazed, HSG D
	189,665	71	Meadow, non-grazed, HSG C
*	5,603	98	Unconnected Outcrop, HSG D
	198,421	72	Weighted Average, UI Adjusted CN = 71
	192,818		97.18% Pervious Area
	5,603		2.82% Impervious Area
	5,603		100.00% Unconnected

Summary for Subcatchment 7AS: Subcatchment - 7A

Runoff = 4.09 cfs @ 12.00 hrs, Volume= 0.257 af, Depth= 0.76"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
	59,019	71	Meadow, non-grazed, HSG C
	37,330	70	Woods, Good, HSG C
	37,558	80	Pasture/grassland/range, Good, HSG D
*	43,980	98	Unconnected Outcrop, HSG D
	177,887	79	Weighted Average, UI Adjusted CN = 76
	133,907		75.28% Pervious Area
	43,980		24.72% Impervious Area
	43,980		100.00% Unconnected

Summary for Subcatchment 7BS: Subcatchment - 7B

Runoff = 2.87 cfs @ 12.00 hrs, Volume= 0.192 af, Depth= 0.62"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
	104,556	71	Meadow, non-grazed, HSG C
	26,624	70	Woods, Good, HSG C
*	30,169	98	Unconnected Outcrop, HSG D
	161,349	76	Weighted Average, UI Adjusted CN = 73
	131,180		81.30% Pervious Area
	30,169		18.70% Impervious Area
	30,169		100.00% Unconnected

Summary for Subcatchment 7CS: Subcatchment - 7C

Runoff = 1.47 cfs @ 12.01 hrs, Volume= 0.106 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
	89,143	71	Meadow, non-grazed, HSG C
	10,084	70	Woods, Good, HSG C
*	2,890	98	Unconnected Outcrop, HSG D
	102,117	72	Weighted Average, UI Adjusted CN = 71
	99,227		97.17% Pervious Area
	2,890		2.83% Impervious Area
	2,890		100.00% Unconnected

Summary for Subcatchment 7DS: Subcatchment - 7D

Runoff = 0.77 cfs @ 12.39 hrs, Volume= 0.097 af, Depth= 0.76"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
1,925	71	Meadow, non-grazed, HSG C
27,780	70	Woods, Good, HSG C
37,441	80	Pasture/grassland/range, Good, HSG D
67,146	76	Weighted Average
67,146		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 8AS: Subcatchment - 8A

Runoff = 3.49 cfs @ 12.00 hrs, Volume= 0.241 af, Depth= 0.58"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
192,315	71	Meadow, non-grazed, HSG C
24,125	78	Meadow, non-grazed, HSG D
216,440	72	Weighted Average
216,440		100.00% Pervious Area

Summary for Subcatchment 8BS: Subcatchment - 8B

Runoff = 3.10 cfs @ 12.00 hrs, Volume= 0.214 af, Depth= 0.58"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	299	98	Unconnected Outcrop, HSG D
	163,252	71	Meadow, non-grazed, HSG C
	28,696	78	Meadow, non-grazed, HSG D
	192,247	72	Weighted Average
	191,948		99.84% Pervious Area
	299		0.16% Impervious Area
	299		100.00% Unconnected

Summary for Subcatchment 8CS: Subcatchment - 8C

Runoff = 3.01 cfs @ 12.00 hrs, Volume= 0.202 af, Depth= 0.62"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	9,966	98	Unconnected Outcrop, HSG D
	123,246	71	Meadow, non-grazed, HSG C
	36,284	78	Meadow, non-grazed, HSG D
	169,496	74	Weighted Average, UI Adjusted CN = 73
	159,530		94.12% Pervious Area
	9,966		5.88% Impervious Area
	9,966		100.00% Unconnected

Summary for Subcatchment 9AS: Subcatchment - 9A

Runoff = 3.04 cfs @ 12.00 hrs, Volume= 0.210 af, Depth= 0.58"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	8,808	98	Unconnected Outcrop, HSG D
	158,319	71	Meadow, non-grazed, HSG C
	21,239	78	Meadow, non-grazed, HSG D
	188,366	73	Weighted Average, UI Adjusted CN = 72
	179,558		95.32% Pervious Area
	8,808		4.68% Impervious Area
	8,808		100.00% Unconnected

Summary for Subcatchment 9BS: Subcatchment - 9B

Runoff = 2.91 cfs @ 12.01 hrs, Volume= 0.209 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

	Area (sf)	CN	Description
*	889	98	Unconnected Outcrop, HSG D
	196,532	71	Meadow, non-grazed, HSG C
	4,139	78	Meadow, non-grazed, HSG D
	201,560	71	Weighted Average
	200,671		99.56% Pervious Area
	889		0.44% Impervious Area
	889		100.00% Unconnected

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 3.15 cfs @ 12.01 hrs, Volume= 0.226 af, Depth= 0.54"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 1 year Rainfall=2.60"

Area (sf)	CN	Description
218,036	71	Meadow, non-grazed, HSG C
218,036		100.00% Pervious Area

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

Inflow Area = 12.189 ac, 14.02% Impervious, Inflow Depth = 0.81" for 1 year event
Inflow = 13.00 cfs @ 12.00 hrs, Volume= 0.818 af
Outflow = 13.00 cfs @ 12.00 hrs, Volume= 0.818 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

Inflow Area = 5.005 ac, 0.00% Impervious, Inflow Depth = 0.54" for 1 year event
Inflow = 3.15 cfs @ 12.01 hrs, Volume= 0.226 af
Outflow = 3.15 cfs @ 12.01 hrs, Volume= 0.226 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

Inflow Area = 11.681 ac, 7.53% Impervious, Inflow Depth = 0.72" for 1 year event
Inflow = 10.91 cfs @ 12.00 hrs, Volume= 0.699 af
Outflow = 10.91 cfs @ 12.00 hrs, Volume= 0.699 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

Inflow Area = 6.826 ac, 0.00% Impervious, Inflow Depth = 0.54" for 1 year event
Inflow = 4.29 cfs @ 12.01 hrs, Volume= 0.308 af
Outflow = 4.29 cfs @ 12.01 hrs, Volume= 0.308 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

Inflow Area = 8.208 ac, 0.00% Impervious, Inflow Depth = 0.54" for 1 year event
Inflow = 5.16 cfs @ 12.01 hrs, Volume= 0.371 af
Outflow = 5.16 cfs @ 12.01 hrs, Volume= 0.371 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

Inflow Area = 5.197 ac, 0.00% Impervious, Inflow Depth = 0.54" for 1 year event
Inflow = 3.27 cfs @ 12.01 hrs, Volume= 0.235 af
Outflow = 3.27 cfs @ 12.01 hrs, Volume= 0.235 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

Inflow Area = 6.761 ac, 1.90% Impervious, Inflow Depth = 0.54" for 1 year event
Inflow = 4.25 cfs @ 12.01 hrs, Volume= 0.305 af
Outflow = 4.25 cfs @ 12.01 hrs, Volume= 0.305 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

Inflow Area = 11.674 ac, 15.15% Impervious, Inflow Depth = 0.67" for 1 year event
Inflow = 8.59 cfs @ 12.00 hrs, Volume= 0.652 af
Outflow = 8.59 cfs @ 12.00 hrs, Volume= 0.652 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

Inflow Area = 13.273 ac, 1.78% Impervious, Inflow Depth = 0.59" for 1 year event
Inflow = 9.61 cfs @ 12.00 hrs, Volume= 0.656 af
Outflow = 9.61 cfs @ 12.00 hrs, Volume= 0.656 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

Inflow Area = 8.951 ac, 2.49% Impervious, Inflow Depth = 0.56" for 1 year event
Inflow = 5.92 cfs @ 12.01 hrs, Volume= 0.418 af
Outflow = 5.92 cfs @ 12.01 hrs, Volume= 0.418 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1AS: Subcatchment- 1A Runoff Area=136,972 sf 38.73% Impervious Runoff Depth=1.84"
Tc=0.0 min CN=86 Runoff=8.28 cfs 0.481 af

Subcatchment1BS: Subcatchment- 1B Runoff Area=204,474 sf 9.41% Impervious Runoff Depth=1.04"
Tc=0.0 min UI Adjusted CN=74 Runoff=6.62 cfs 0.406 af

Subcatchment1CS: Subcatchment- 1C Runoff Area=189,496 sf 1.12% Impervious Runoff Depth=0.93"
Tc=0.0 min CN=72 Runoff=5.35 cfs 0.337 af

Subcatchment2AS: Subcatchment- 2A Runoff Area=89,786 sf 15.05% Impervious Runoff Depth=1.40"
Tc=0.0 min UI Adjusted CN=80 Runoff=4.11 cfs 0.241 af

Subcatchment2BS: Subcatchment- 2B Runoff Area=209,244 sf 7.62% Impervious Runoff Depth=1.09"
Tc=0.0 min UI Adjusted CN=75 Runoff=7.22 cfs 0.438 af

Subcatchment2CS: Subcatchment- 2C Runoff Area=209,786 sf 4.23% Impervious Runoff Depth=0.98"
Tc=0.0 min UI Adjusted CN=73 Runoff=6.35 cfs 0.394 af

Subcatchment3AS: Subcatchment- 3A Runoff Area=186,204 sf 0.00% Impervious Runoff Depth=0.88"
Tc=0.0 min CN=71 Runoff=4.89 cfs 0.313 af

Subcatchment3BS: Subcatchment- 3B Runoff Area=111,129 sf 0.00% Impervious Runoff Depth=0.88"
Tc=0.0 min CN=71 Runoff=2.92 cfs 0.187 af

Subcatchment4AS: Subcatchment- 4 Runoff Area=166,208 sf 0.00% Impervious Runoff Depth=0.88"
Tc=0.0 min CN=71 Runoff=4.36 cfs 0.279 af

Subcatchment4BS: Subcatchment- 4B Runoff Area=191,314 sf 0.00% Impervious Runoff Depth=0.88"
Tc=0.0 min CN=71 Runoff=5.02 cfs 0.321 af

Subcatchment5AS: Subcatchment- 5A Runoff Area=113,745 sf 0.00% Impervious Runoff Depth=0.88"
Tc=0.0 min CN=71 Runoff=2.99 cfs 0.191 af

Subcatchment5BS: Subcatchment- 5B Runoff Area=112,627 sf 0.00% Impervious Runoff Depth=0.88"
Tc=0.0 min CN=71 Runoff=2.96 cfs 0.189 af

Subcatchment6AS: Subcatchment- 6A Runoff Area=96,085 sf 0.00% Impervious Runoff Depth=0.88"
Tc=0.0 min CN=71 Runoff=2.52 cfs 0.161 af

Subcatchment6BS: Subcatchment- 6B Runoff Area=198,421 sf 2.82% Impervious Runoff Depth=0.88"
Tc=0.0 min UI Adjusted CN=71 Runoff=5.21 cfs 0.333 af

Subcatchment7AS: Subcatchment- 7A Runoff Area=177,887 sf 24.72% Impervious Runoff Depth=1.15"
Tc=0.0 min UI Adjusted CN=76 Runoff=6.52 cfs 0.392 af

Subcatchment7BS: Subcatchment- 7B Runoff Area=161,349 sf 18.70% Impervious Runoff Depth=0.98"
Tc=0.0 min UI Adjusted CN=73 Runoff=4.89 cfs 0.303 af

Subcatchment7CS: Subcatchment- 7C Runoff Area=102,117 sf 2.83% Impervious Runoff Depth=0.88"
Tc=0.0 min UI Adjusted CN=71 Runoff=2.68 cfs 0.172 af

Subcatchment7DS: Subcatchment- 7D Runoff Area=67,146 sf 0.00% Impervious Runoff Depth=1.15"
Flow Length=950' Tc=25.1 min CN=76 Runoff=1.23 cfs 0.148 af

Subcatchment8AS: Subcatchment- 8A Runoff Area=216,440 sf 0.00% Impervious Runoff Depth=0.93"
Tc=0.0 min CN=72 Runoff=6.11 cfs 0.385 af

Subcatchment8BS: Subcatchment- 8B Runoff Area=192,247 sf 0.16% Impervious Runoff Depth=0.93"
Tc=0.0 min CN=72 Runoff=5.43 cfs 0.342 af

Subcatchment8CS: Subcatchment- 8C Runoff Area=169,496 sf 5.88% Impervious Runoff Depth=0.98"
Tc=0.0 min UI Adjusted CN=73 Runoff=5.13 cfs 0.319 af

Subcatchment9AS: Subcatchment- 9A Runoff Area=188,366 sf 4.68% Impervious Runoff Depth=0.93"
Tc=0.0 min UI Adjusted CN=72 Runoff=5.32 cfs 0.335 af

Subcatchment9BS: Subcatchment- 9B Runoff Area=201,560 sf 0.44% Impervious Runoff Depth=0.88"
Tc=0.0 min CN=71 Runoff=5.29 cfs 0.339 af

Subcatchment10S: Subcatchment- 10 Runoff Area=218,036 sf 0.00% Impervious Runoff Depth=0.88"
Tc=0.0 min CN=71 Runoff=5.73 cfs 0.366 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=20.25 cfs 1.224 af
Outflow=20.25 cfs 1.224 af

Reach POA-10: Existing Woods to the Northwest Inflow=5.73 cfs 0.366 af
Outflow=5.73 cfs 0.366 af

Reach POA-2: Existing Woods to the Northwest Inflow=17.67 cfs 1.073 af
Outflow=17.67 cfs 1.073 af

Reach POA-3: Existing Woods to the Northwest Inflow=7.81 cfs 0.499 af
Outflow=7.81 cfs 0.499 af

Reach POA-4: Existing Woods to the Northwest Inflow=9.39 cfs 0.601 af
Outflow=9.39 cfs 0.601 af

Reach POA-5: Existing Woods to the Northwest Inflow=5.94 cfs 0.380 af
Outflow=5.94 cfs 0.380 af

Reach POA-6: Existing Woods to the Northeast Inflow=7.73 cfs 0.495 af
Outflow=7.73 cfs 0.495 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=14.39 cfs 1.015 af
Outflow=14.39 cfs 1.015 af

Reach POA-8: Existing Woods to the Northeast Inflow=16.68 cfs 1.046 af
Outflow=16.68 cfs 1.046 af

Reach POA-9: Existing Woods to the Northeast Inflow=10.61 cfs 0.674 af
Outflow=10.61 cfs 0.674 af

Total Runoff Area = 89.764 ac Runoff Volume = 7.372 af Average Runoff Depth = 0.99"
94.49% Pervious = 84.821 ac 5.51% Impervious = 4.943 ac

Summary for Subcatchment 1AS: Subcatchment - 1A

Runoff = 8.28 cfs @ 12.00 hrs, Volume= 0.481 af, Depth= 1.84"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	35,114	98	Unconnected Outcrop, HSG D
	79,782	78	Meadow, non-grazed, HSG D
*	17,933	98	Unconnected Outcrop, HSG D
	4,143	71	Meadow, non-grazed, HSG C
	136,972	86	Weighted Average
	83,925		61.27% Pervious Area
	53,047		38.73% Impervious Area
	53,047		100.00% Unconnected

Summary for Subcatchment 1BS: Subcatchment - 1B

Runoff = 6.62 cfs @ 12.00 hrs, Volume= 0.406 af, Depth= 1.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	13,477	98	Unconnected Outcrop, HSG D
	42,165	78	Meadow, non-grazed, HSG D
	47,492	71	Meadow, non-grazed, HSG C
	95,573	71	Meadow, non-grazed, HSG C
*	5,767	98	Unconnected Outcrop, HSG D
	204,474	75	Weighted Average, UI Adjusted CN = 74
	185,230		90.59% Pervious Area
	19,244		9.41% Impervious Area
	19,244		100.00% Unconnected

Summary for Subcatchment 1CS: Subcatchment - 1C

Runoff = 5.35 cfs @ 12.00 hrs, Volume= 0.337 af, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
	9,856	78	Meadow, non-grazed, HSG D
	177,514	71	Meadow, non-grazed, HSG C
*	2,126	98	Unconnected Outcrop, HSG D
	189,496	72	Weighted Average
	187,370		98.88% Pervious Area
	2,126		1.12% Impervious Area
	2,126		100.00% Unconnected

Summary for Subcatchment 2AS: Subcatchment - 2A

Runoff = 4.11 cfs @ 12.00 hrs, Volume= 0.241 af, Depth= 1.40"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	13,513	98	Unconnected Outcrop, HSG D
	76,273	78	Meadow, non-grazed, HSG D
	89,786	81	Weighted Average, UI Adjusted CN = 80
	76,273		84.95% Pervious Area
	13,513		15.05% Impervious Area
	13,513		100.00% Unconnected

Summary for Subcatchment 2BS: Subcatchment - 2B

Runoff = 7.22 cfs @ 12.00 hrs, Volume= 0.438 af, Depth= 1.09"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	15,936	98	Unconnected Outcrop, HSG D
	80,385	78	Meadow, non-grazed, HSG D
	112,923	71	Meadow, non-grazed, HSG C
	209,244	76	Weighted Average, UI Adjusted CN = 75
	193,308		92.38% Pervious Area
	15,936		7.62% Impervious Area
	15,936		100.00% Unconnected

Summary for Subcatchment 2CS: Subcatchment - 2C

Runoff = 6.35 cfs @ 12.00 hrs, Volume= 0.394 af, Depth= 0.98"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	8,868	98	Unconnected Outcrop, HSG D
	50,494	78	Meadow, non-grazed, HSG D
	150,424	71	Meadow, non-grazed, HSG C
	209,786	74	Weighted Average, UI Adjusted CN = 73
	200,918		95.77% Pervious Area
	8,868		4.23% Impervious Area
	8,868		100.00% Unconnected

Summary for Subcatchment 3AS: Subcatchment - 3A

Runoff = 4.89 cfs @ 12.00 hrs, Volume= 0.313 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
186,204	71	Meadow, non-grazed, HSG C
186,204		100.00% Pervious Area

Summary for Subcatchment 3BS: Subcatchment - 3B

Runoff = 2.92 cfs @ 12.00 hrs, Volume= 0.187 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
111,129	71	Meadow, non-grazed, HSG C
111,129		100.00% Pervious Area

Summary for Subcatchment 4AS: Subcatchment - 4

Runoff = 4.36 cfs @ 12.00 hrs, Volume= 0.279 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
166,208	71	Meadow, non-grazed, HSG C
166,208		100.00% Pervious Area

Summary for Subcatchment 4BS: Subcatchment - 4B

Runoff = 5.02 cfs @ 12.00 hrs, Volume= 0.321 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
191,314	71	Meadow, non-grazed, HSG C
191,314		100.00% Pervious Area

Summary for Subcatchment 5AS: Subcatchment - 5A

Runoff = 2.99 cfs @ 12.00 hrs, Volume= 0.191 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
113,745	71	Meadow, non-grazed, HSG C
113,745		100.00% Pervious Area

Summary for Subcatchment 5BS: Subcatchment - 5B

Runoff = 2.96 cfs @ 12.00 hrs, Volume= 0.189 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
112,627	71	Meadow, non-grazed, HSG C
112,627		100.00% Pervious Area

Summary for Subcatchment 6AS: Subcatchment - 6A

Runoff = 2.52 cfs @ 12.00 hrs, Volume= 0.161 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
3,203	78	Meadow, non-grazed, HSG D
92,882	71	Meadow, non-grazed, HSG C
96,085	71	Weighted Average
96,085		100.00% Pervious Area

Summary for Subcatchment 6BS: Subcatchment - 6B

Runoff = 5.21 cfs @ 12.00 hrs, Volume= 0.333 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
	3,153	78	Meadow, non-grazed, HSG D
	189,665	71	Meadow, non-grazed, HSG C
*	5,603	98	Unconnected Outcrop, HSG D
	198,421	72	Weighted Average, UI Adjusted CN = 71
	192,818		97.18% Pervious Area
	5,603		2.82% Impervious Area
	5,603		100.00% Unconnected

Summary for Subcatchment 7AS: Subcatchment - 7A

Runoff = 6.52 cfs @ 12.00 hrs, Volume= 0.392 af, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
	59,019	71	Meadow, non-grazed, HSG C
	37,330	70	Woods, Good, HSG C
	37,558	80	Pasture/grassland/range, Good, HSG D
*	43,980	98	Unconnected Outcrop, HSG D
	177,887	79	Weighted Average, UI Adjusted CN = 76
	133,907		75.28% Pervious Area
	43,980		24.72% Impervious Area
	43,980		100.00% Unconnected

Summary for Subcatchment 7BS: Subcatchment - 7B

Runoff = 4.89 cfs @ 12.00 hrs, Volume= 0.303 af, Depth= 0.98"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
	104,556	71	Meadow, non-grazed, HSG C
	26,624	70	Woods, Good, HSG C
*	30,169	98	Unconnected Outcrop, HSG D
	161,349	76	Weighted Average, UI Adjusted CN = 73
	131,180		81.30% Pervious Area
	30,169		18.70% Impervious Area
	30,169		100.00% Unconnected

Summary for Subcatchment 7CS: Subcatchment - 7C

Runoff = 2.68 cfs @ 12.00 hrs, Volume= 0.172 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
	89,143	71	Meadow, non-grazed, HSG C
	10,084	70	Woods, Good, HSG C
*	2,890	98	Unconnected Outcrop, HSG D
	102,117	72	Weighted Average, UI Adjusted CN = 71
	99,227		97.17% Pervious Area
	2,890		2.83% Impervious Area
	2,890		100.00% Unconnected

Summary for Subcatchment 7DS: Subcatchment - 7D

Runoff = 1.23 cfs @ 12.36 hrs, Volume= 0.148 af, Depth= 1.15"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
1,925	71	Meadow, non-grazed, HSG C
27,780	70	Woods, Good, HSG C
37,441	80	Pasture/grassland/range, Good, HSG D
67,146	76	Weighted Average
67,146		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 8AS: Subcatchment - 8A

Runoff = 6.11 cfs @ 12.00 hrs, Volume= 0.385 af, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
192,315	71	Meadow, non-grazed, HSG C
24,125	78	Meadow, non-grazed, HSG D
216,440	72	Weighted Average
216,440		100.00% Pervious Area

Summary for Subcatchment 8BS: Subcatchment - 8B

Runoff = 5.43 cfs @ 12.00 hrs, Volume= 0.342 af, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	299	98	Unconnected Outcrop, HSG D
	163,252	71	Meadow, non-grazed, HSG C
	28,696	78	Meadow, non-grazed, HSG D
	192,247	72	Weighted Average
	191,948		99.84% Pervious Area
	299		0.16% Impervious Area
	299		100.00% Unconnected

Summary for Subcatchment 8CS: Subcatchment - 8C

Runoff = 5.13 cfs @ 12.00 hrs, Volume= 0.319 af, Depth= 0.98"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	9,966	98	Unconnected Outcrop, HSG D
	123,246	71	Meadow, non-grazed, HSG C
	36,284	78	Meadow, non-grazed, HSG D
	169,496	74	Weighted Average, UI Adjusted CN = 73
	159,530		94.12% Pervious Area
	9,966		5.88% Impervious Area
	9,966		100.00% Unconnected

Summary for Subcatchment 9AS: Subcatchment - 9A

Runoff = 5.32 cfs @ 12.00 hrs, Volume= 0.335 af, Depth= 0.93"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	8,808	98	Unconnected Outcrop, HSG D
	158,319	71	Meadow, non-grazed, HSG C
	21,239	78	Meadow, non-grazed, HSG D
	188,366	73	Weighted Average, UI Adjusted CN = 72
	179,558		95.32% Pervious Area
	8,808		4.68% Impervious Area
	8,808		100.00% Unconnected

Summary for Subcatchment 9BS: Subcatchment - 9B

Runoff = 5.29 cfs @ 12.00 hrs, Volume= 0.339 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

	Area (sf)	CN	Description
*	889	98	Unconnected Outcrop, HSG D
	196,532	71	Meadow, non-grazed, HSG C
	4,139	78	Meadow, non-grazed, HSG D
	201,560	71	Weighted Average
	200,671		99.56% Pervious Area
	889		0.44% Impervious Area
	889		100.00% Unconnected

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 5.73 cfs @ 12.00 hrs, Volume= 0.366 af, Depth= 0.88"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 2 year Rainfall=3.20"

Area (sf)	CN	Description
218,036	71	Meadow, non-grazed, HSG C
218,036		100.00% Pervious Area

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

Inflow Area = 12.189 ac, 14.02% Impervious, Inflow Depth = 1.20" for 2 year event
Inflow = 20.25 cfs @ 12.00 hrs, Volume= 1.224 af
Outflow = 20.25 cfs @ 12.00 hrs, Volume= 1.224 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

Inflow Area = 5.005 ac, 0.00% Impervious, Inflow Depth = 0.88" for 2 year event
Inflow = 5.73 cfs @ 12.00 hrs, Volume= 0.366 af
Outflow = 5.73 cfs @ 12.00 hrs, Volume= 0.366 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

Inflow Area = 11.681 ac, 7.53% Impervious, Inflow Depth = 1.10" for 2 year event
Inflow = 17.67 cfs @ 12.00 hrs, Volume= 1.073 af
Outflow = 17.67 cfs @ 12.00 hrs, Volume= 1.073 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

Inflow Area = 6.826 ac, 0.00% Impervious, Inflow Depth = 0.88" for 2 year event
Inflow = 7.81 cfs @ 12.00 hrs, Volume= 0.499 af
Outflow = 7.81 cfs @ 12.00 hrs, Volume= 0.499 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

Inflow Area = 8.208 ac, 0.00% Impervious, Inflow Depth = 0.88" for 2 year event
Inflow = 9.39 cfs @ 12.00 hrs, Volume= 0.601 af
Outflow = 9.39 cfs @ 12.00 hrs, Volume= 0.601 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

Inflow Area = 5.197 ac, 0.00% Impervious, Inflow Depth = 0.88" for 2 year event
Inflow = 5.94 cfs @ 12.00 hrs, Volume= 0.380 af
Outflow = 5.94 cfs @ 12.00 hrs, Volume= 0.380 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

Inflow Area = 6.761 ac, 1.90% Impervious, Inflow Depth = 0.88" for 2 year event
Inflow = 7.73 cfs @ 12.00 hrs, Volume= 0.495 af
Outflow = 7.73 cfs @ 12.00 hrs, Volume= 0.495 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

Inflow Area = 11.674 ac, 15.15% Impervious, Inflow Depth = 1.04" for 2 year event
Inflow = 14.39 cfs @ 12.00 hrs, Volume= 1.015 af
Outflow = 14.39 cfs @ 12.00 hrs, Volume= 1.015 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

Inflow Area = 13.273 ac, 1.78% Impervious, Inflow Depth = 0.95" for 2 year event
Inflow = 16.68 cfs @ 12.00 hrs, Volume= 1.046 af
Outflow = 16.68 cfs @ 12.00 hrs, Volume= 1.046 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

Inflow Area = 8.951 ac, 2.49% Impervious, Inflow Depth = 0.90" for 2 year event
Inflow = 10.61 cfs @ 12.00 hrs, Volume= 0.674 af
Outflow = 10.61 cfs @ 12.00 hrs, Volume= 0.674 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1AS: Subcatchment- 1A Runoff Area=136,972 sf 38.73% Impervious Runoff Depth=3.19"
Tc=0.0 min CN=86 Runoff=14.22 cfs 0.835 af

Subcatchment1BS: Subcatchment- 1B Runoff Area=204,474 sf 9.41% Impervious Runoff Depth=2.13"
Tc=0.0 min UI Adjusted CN=74 Runoff=14.23 cfs 0.832 af

Subcatchment1CS: Subcatchment- 1C Runoff Area=189,496 sf 1.12% Impervious Runoff Depth=1.97"
Tc=0.0 min CN=72 Runoff=12.12 cfs 0.714 af

Subcatchment2AS: Subcatchment- 2A Runoff Area=89,786 sf 15.05% Impervious Runoff Depth=2.63"
Tc=0.0 min UI Adjusted CN=80 Runoff=7.79 cfs 0.452 af

Subcatchment2BS: Subcatchment- 2B Runoff Area=209,244 sf 7.62% Impervious Runoff Depth=2.21"
Tc=0.0 min UI Adjusted CN=75 Runoff=15.16 cfs 0.884 af

Subcatchment2CS: Subcatchment- 2C Runoff Area=209,786 sf 4.23% Impervious Runoff Depth=2.05"
Tc=0.0 min UI Adjusted CN=73 Runoff=14.01 cfs 0.822 af

Subcatchment3AS: Subcatchment- 3A Runoff Area=186,204 sf 0.00% Impervious Runoff Depth=1.89"
Tc=0.0 min CN=71 Runoff=11.39 cfs 0.674 af

Subcatchment3BS: Subcatchment- 3B Runoff Area=111,129 sf 0.00% Impervious Runoff Depth=1.89"
Tc=0.0 min CN=71 Runoff=6.80 cfs 0.402 af

Subcatchment4AS: Subcatchment- 4 Runoff Area=166,208 sf 0.00% Impervious Runoff Depth=1.89"
Tc=0.0 min CN=71 Runoff=10.17 cfs 0.602 af

Subcatchment4BS: Subcatchment- 4B Runoff Area=191,314 sf 0.00% Impervious Runoff Depth=1.89"
Tc=0.0 min CN=71 Runoff=11.71 cfs 0.693 af

Subcatchment5AS: Subcatchment- 5A Runoff Area=113,745 sf 0.00% Impervious Runoff Depth=1.89"
Tc=0.0 min CN=71 Runoff=6.96 cfs 0.412 af

Subcatchment5BS: Subcatchment- 5B Runoff Area=112,627 sf 0.00% Impervious Runoff Depth=1.89"
Tc=0.0 min CN=71 Runoff=6.89 cfs 0.408 af

Subcatchment6AS: Subcatchment- 6A Runoff Area=96,085 sf 0.00% Impervious Runoff Depth=1.89"
Tc=0.0 min CN=71 Runoff=5.88 cfs 0.348 af

Subcatchment6BS: Subcatchment- 6B Runoff Area=198,421 sf 2.82% Impervious Runoff Depth=1.89"
Tc=0.0 min UI Adjusted CN=71 Runoff=12.14 cfs 0.718 af

Subcatchment7AS: Subcatchment- 7A Runoff Area=177,887 sf 24.72% Impervious Runoff Depth=2.29"
Tc=0.0 min UI Adjusted CN=76 Runoff=13.39 cfs 0.779 af

Subcatchment7BS: Subcatchment- 7B Runoff Area=161,349 sf 18.70% Impervious Runoff Depth=2.05"
Tc=0.0 min UI Adjusted CN=73 Runoff=10.77 cfs 0.632 af

Subcatchment7CS: Subcatchment- 7C Runoff Area=102,117 sf 2.83% Impervious Runoff Depth=1.89"
Tc=0.0 min UI Adjusted CN=71 Runoff=6.25 cfs 0.370 af

Subcatchment7DS: Subcatchment- 7D Runoff Area=67,146 sf 0.00% Impervious Runoff Depth=2.29"
Flow Length=950' Tc=25.1 min CN=76 Runoff=2.52 cfs 0.294 af

Subcatchment8AS: Subcatchment- 8A Runoff Area=216,440 sf 0.00% Impervious Runoff Depth=1.97"
Tc=0.0 min CN=72 Runoff=13.85 cfs 0.815 af

Subcatchment8BS: Subcatchment- 8B Runoff Area=192,247 sf 0.16% Impervious Runoff Depth=1.97"
Tc=0.0 min CN=72 Runoff=12.30 cfs 0.724 af

Subcatchment8CS: Subcatchment- 8C Runoff Area=169,496 sf 5.88% Impervious Runoff Depth=2.05"
Tc=0.0 min UI Adjusted CN=73 Runoff=11.32 cfs 0.664 af

Subcatchment9AS: Subcatchment- 9A Runoff Area=188,366 sf 4.68% Impervious Runoff Depth=1.97"
Tc=0.0 min UI Adjusted CN=72 Runoff=12.05 cfs 0.710 af

Subcatchment9BS: Subcatchment- 9B Runoff Area=201,560 sf 0.44% Impervious Runoff Depth=1.89"
Tc=0.0 min CN=71 Runoff=12.33 cfs 0.730 af

Subcatchment10S: Subcatchment- 10 Runoff Area=218,036 sf 0.00% Impervious Runoff Depth=1.89"
Tc=0.0 min CN=71 Runoff=13.34 cfs 0.789 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=40.57 cfs 2.382 af
Outflow=40.57 cfs 2.382 af

Reach POA-10: Existing Woods to the Northwest Inflow=13.34 cfs 0.789 af
Outflow=13.34 cfs 0.789 af

Reach POA-2: Existing Woods to the Northwest Inflow=36.96 cfs 2.158 af
Outflow=36.96 cfs 2.158 af

Reach POA-3: Existing Woods to the Northwest Inflow=18.19 cfs 1.076 af
Outflow=18.19 cfs 1.076 af

Reach POA-4: Existing Woods to the Northwest Inflow=21.88 cfs 1.294 af
Outflow=21.88 cfs 1.294 af

Reach POA-5: Existing Woods to the Northwest Inflow=13.85 cfs 0.820 af
Outflow=13.85 cfs 0.820 af

Reach POA-6: Existing Woods to the Northeast Inflow=18.02 cfs 1.066 af
Outflow=18.02 cfs 1.066 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=31.18 cfs 2.076 af
Outflow=31.18 cfs 2.076 af

Reach POA-8: Existing Woods to the Northeast Inflow=37.46 cfs 2.204 af
Outflow=37.46 cfs 2.204 af

Reach POA-9: Existing Woods to the Northeast

Inflow=24.38 cfs 1.439 af
Outflow=24.38 cfs 1.439 af

Total Runoff Area = 89.764 ac Runoff Volume = 15.304 af Average Runoff Depth = 2.05"
94.49% Pervious = 84.821 ac 5.51% Impervious = 4.943 ac

Summary for Subcatchment 1AS: Subcatchment - 1A

Runoff = 14.22 cfs @ 12.00 hrs, Volume= 0.835 af, Depth= 3.19"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	35,114	98	Unconnected Outcrop, HSG D
	79,782	78	Meadow, non-grazed, HSG D
*	17,933	98	Unconnected Outcrop, HSG D
	4,143	71	Meadow, non-grazed, HSG C
	136,972	86	Weighted Average
	83,925		61.27% Pervious Area
	53,047		38.73% Impervious Area
	53,047		100.00% Unconnected

Summary for Subcatchment 1BS: Subcatchment - 1B

Runoff = 14.23 cfs @ 12.00 hrs, Volume= 0.832 af, Depth= 2.13"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	13,477	98	Unconnected Outcrop, HSG D
	42,165	78	Meadow, non-grazed, HSG D
	47,492	71	Meadow, non-grazed, HSG C
	95,573	71	Meadow, non-grazed, HSG C
*	5,767	98	Unconnected Outcrop, HSG D
	204,474	75	Weighted Average, UI Adjusted CN = 74
	185,230		90.59% Pervious Area
	19,244		9.41% Impervious Area
	19,244		100.00% Unconnected

Summary for Subcatchment 1CS: Subcatchment - 1C

Runoff = 12.12 cfs @ 12.00 hrs, Volume= 0.714 af, Depth= 1.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
	9,856	78	Meadow, non-grazed, HSG D
	177,514	71	Meadow, non-grazed, HSG C
*	2,126	98	Unconnected Outcrop, HSG D
	189,496	72	Weighted Average
	187,370		98.88% Pervious Area
	2,126		1.12% Impervious Area
	2,126		100.00% Unconnected

Summary for Subcatchment 2AS: Subcatchment - 2A

Runoff = 7.79 cfs @ 12.00 hrs, Volume= 0.452 af, Depth= 2.63"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	13,513	98	Unconnected Outcrop, HSG D
	76,273	78	Meadow, non-grazed, HSG D
	89,786	81	Weighted Average, UI Adjusted CN = 80
	76,273		84.95% Pervious Area
	13,513		15.05% Impervious Area
	13,513		100.00% Unconnected

Summary for Subcatchment 2BS: Subcatchment - 2B

Runoff = 15.16 cfs @ 12.00 hrs, Volume= 0.884 af, Depth= 2.21"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	15,936	98	Unconnected Outcrop, HSG D
	80,385	78	Meadow, non-grazed, HSG D
	112,923	71	Meadow, non-grazed, HSG C
	209,244	76	Weighted Average, UI Adjusted CN = 75
	193,308		92.38% Pervious Area
	15,936		7.62% Impervious Area
	15,936		100.00% Unconnected

Summary for Subcatchment 2CS: Subcatchment - 2C

Runoff = 14.01 cfs @ 12.00 hrs, Volume= 0.822 af, Depth= 2.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	8,868	98	Unconnected Outcrop, HSG D
	50,494	78	Meadow, non-grazed, HSG D
	150,424	71	Meadow, non-grazed, HSG C
	209,786	74	Weighted Average, UI Adjusted CN = 73
	200,918		95.77% Pervious Area
	8,868		4.23% Impervious Area
	8,868		100.00% Unconnected

Summary for Subcatchment 3AS: Subcatchment - 3A

Runoff = 11.39 cfs @ 12.00 hrs, Volume= 0.674 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
186,204	71	Meadow, non-grazed, HSG C
186,204		100.00% Pervious Area

Summary for Subcatchment 3BS: Subcatchment - 3B

Runoff = 6.80 cfs @ 12.00 hrs, Volume= 0.402 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
111,129	71	Meadow, non-grazed, HSG C
111,129		100.00% Pervious Area

Summary for Subcatchment 4AS: Subcatchment - 4

Runoff = 10.17 cfs @ 12.00 hrs, Volume= 0.602 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
166,208	71	Meadow, non-grazed, HSG C
166,208		100.00% Pervious Area

Summary for Subcatchment 4BS: Subcatchment - 4B

Runoff = 11.71 cfs @ 12.00 hrs, Volume= 0.693 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
191,314	71	Meadow, non-grazed, HSG C
191,314		100.00% Pervious Area

Summary for Subcatchment 5AS: Subcatchment - 5A

Runoff = 6.96 cfs @ 12.00 hrs, Volume= 0.412 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
113,745	71	Meadow, non-grazed, HSG C
113,745		100.00% Pervious Area

Summary for Subcatchment 5BS: Subcatchment - 5B

Runoff = 6.89 cfs @ 12.00 hrs, Volume= 0.408 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
112,627	71	Meadow, non-grazed, HSG C
112,627		100.00% Pervious Area

Summary for Subcatchment 6AS: Subcatchment - 6A

Runoff = 5.88 cfs @ 12.00 hrs, Volume= 0.348 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
3,203	78	Meadow, non-grazed, HSG D
92,882	71	Meadow, non-grazed, HSG C
96,085	71	Weighted Average
96,085		100.00% Pervious Area

Summary for Subcatchment 6BS: Subcatchment - 6B

Runoff = 12.14 cfs @ 12.00 hrs, Volume= 0.718 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
	3,153	78	Meadow, non-grazed, HSG D
	189,665	71	Meadow, non-grazed, HSG C
*	5,603	98	Unconnected Outcrop, HSG D
	198,421	72	Weighted Average, UI Adjusted CN = 71
	192,818		97.18% Pervious Area
	5,603		2.82% Impervious Area
	5,603		100.00% Unconnected

Summary for Subcatchment 7AS: Subcatchment - 7A

Runoff = 13.39 cfs @ 12.00 hrs, Volume= 0.779 af, Depth= 2.29"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
	59,019	71	Meadow, non-grazed, HSG C
	37,330	70	Woods, Good, HSG C
	37,558	80	Pasture/grassland/range, Good, HSG D
*	43,980	98	Unconnected Outcrop, HSG D
	177,887	79	Weighted Average, UI Adjusted CN = 76
	133,907		75.28% Pervious Area
	43,980		24.72% Impervious Area
	43,980		100.00% Unconnected

Summary for Subcatchment 7BS: Subcatchment - 7B

Runoff = 10.77 cfs @ 12.00 hrs, Volume= 0.632 af, Depth= 2.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
	104,556	71	Meadow, non-grazed, HSG C
	26,624	70	Woods, Good, HSG C
*	30,169	98	Unconnected Outcrop, HSG D
	161,349	76	Weighted Average, UI Adjusted CN = 73
	131,180		81.30% Pervious Area
	30,169		18.70% Impervious Area
	30,169		100.00% Unconnected

Summary for Subcatchment 7CS: Subcatchment - 7C

Runoff = 6.25 cfs @ 12.00 hrs, Volume= 0.370 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
	89,143	71	Meadow, non-grazed, HSG C
	10,084	70	Woods, Good, HSG C
*	2,890	98	Unconnected Outcrop, HSG D
	102,117	72	Weighted Average, UI Adjusted CN = 71
	99,227		97.17% Pervious Area
	2,890		2.83% Impervious Area
	2,890		100.00% Unconnected

Summary for Subcatchment 7DS: Subcatchment - 7D

Runoff = 2.52 cfs @ 12.36 hrs, Volume= 0.294 af, Depth= 2.29"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
1,925	71	Meadow, non-grazed, HSG C
27,780	70	Woods, Good, HSG C
37,441	80	Pasture/grassland/range, Good, HSG D
67,146	76	Weighted Average
67,146		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 8AS: Subcatchment - 8A

Runoff = 13.85 cfs @ 12.00 hrs, Volume= 0.815 af, Depth= 1.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
192,315	71	Meadow, non-grazed, HSG C
24,125	78	Meadow, non-grazed, HSG D
216,440	72	Weighted Average
216,440		100.00% Pervious Area

Summary for Subcatchment 8BS: Subcatchment - 8B

Runoff = 12.30 cfs @ 12.00 hrs, Volume= 0.724 af, Depth= 1.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	299	98	Unconnected Outcrop, HSG D
	163,252	71	Meadow, non-grazed, HSG C
	28,696	78	Meadow, non-grazed, HSG D
	192,247	72	Weighted Average
	191,948		99.84% Pervious Area
	299		0.16% Impervious Area
	299		100.00% Unconnected

Summary for Subcatchment 8CS: Subcatchment - 8C

Runoff = 11.32 cfs @ 12.00 hrs, Volume= 0.664 af, Depth= 2.05"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	9,966	98	Unconnected Outcrop, HSG D
	123,246	71	Meadow, non-grazed, HSG C
	36,284	78	Meadow, non-grazed, HSG D
	169,496	74	Weighted Average, UI Adjusted CN = 73
	159,530		94.12% Pervious Area
	9,966		5.88% Impervious Area
	9,966		100.00% Unconnected

Summary for Subcatchment 9AS: Subcatchment - 9A

Runoff = 12.05 cfs @ 12.00 hrs, Volume= 0.710 af, Depth= 1.97"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	8,808	98	Unconnected Outcrop, HSG D
	158,319	71	Meadow, non-grazed, HSG C
	21,239	78	Meadow, non-grazed, HSG D
	188,366	73	Weighted Average, UI Adjusted CN = 72
	179,558		95.32% Pervious Area
	8,808		4.68% Impervious Area
	8,808		100.00% Unconnected

Summary for Subcatchment 9BS: Subcatchment - 9B

Runoff = 12.33 cfs @ 12.00 hrs, Volume= 0.730 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

	Area (sf)	CN	Description
*	889	98	Unconnected Outcrop, HSG D
	196,532	71	Meadow, non-grazed, HSG C
	4,139	78	Meadow, non-grazed, HSG D
	201,560	71	Weighted Average
	200,671		99.56% Pervious Area
	889		0.44% Impervious Area
	889		100.00% Unconnected

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 13.34 cfs @ 12.00 hrs, Volume= 0.789 af, Depth= 1.89"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 10 year Rainfall=4.70"

Area (sf)	CN	Description
218,036	71	Meadow, non-grazed, HSG C
218,036		100.00% Pervious Area

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

Inflow Area = 12.189 ac, 14.02% Impervious, Inflow Depth = 2.34" for 10 year event
Inflow = 40.57 cfs @ 12.00 hrs, Volume= 2.382 af
Outflow = 40.57 cfs @ 12.00 hrs, Volume= 2.382 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

Inflow Area = 5.005 ac, 0.00% Impervious, Inflow Depth = 1.89" for 10 year event
Inflow = 13.34 cfs @ 12.00 hrs, Volume= 0.789 af
Outflow = 13.34 cfs @ 12.00 hrs, Volume= 0.789 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

Inflow Area = 11.681 ac, 7.53% Impervious, Inflow Depth = 2.22" for 10 year event
Inflow = 36.96 cfs @ 12.00 hrs, Volume= 2.158 af
Outflow = 36.96 cfs @ 12.00 hrs, Volume= 2.158 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

Inflow Area = 6.826 ac, 0.00% Impervious, Inflow Depth = 1.89" for 10 year event
Inflow = 18.19 cfs @ 12.00 hrs, Volume= 1.076 af
Outflow = 18.19 cfs @ 12.00 hrs, Volume= 1.076 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

Inflow Area = 8.208 ac, 0.00% Impervious, Inflow Depth = 1.89" for 10 year event
Inflow = 21.88 cfs @ 12.00 hrs, Volume= 1.294 af
Outflow = 21.88 cfs @ 12.00 hrs, Volume= 1.294 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

Inflow Area = 5.197 ac, 0.00% Impervious, Inflow Depth = 1.89" for 10 year event
Inflow = 13.85 cfs @ 12.00 hrs, Volume= 0.820 af
Outflow = 13.85 cfs @ 12.00 hrs, Volume= 0.820 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

Inflow Area = 6.761 ac, 1.90% Impervious, Inflow Depth = 1.89" for 10 year event
Inflow = 18.02 cfs @ 12.00 hrs, Volume= 1.066 af
Outflow = 18.02 cfs @ 12.00 hrs, Volume= 1.066 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

Inflow Area = 11.674 ac, 15.15% Impervious, Inflow Depth = 2.13" for 10 year event
Inflow = 31.18 cfs @ 12.00 hrs, Volume= 2.076 af
Outflow = 31.18 cfs @ 12.00 hrs, Volume= 2.076 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

Inflow Area = 13.273 ac, 1.78% Impervious, Inflow Depth = 1.99" for 10 year event
Inflow = 37.46 cfs @ 12.00 hrs, Volume= 2.204 af
Outflow = 37.46 cfs @ 12.00 hrs, Volume= 2.204 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

Inflow Area = 8.951 ac, 2.49% Impervious, Inflow Depth = 1.93" for 10 year event
Inflow = 24.38 cfs @ 12.00 hrs, Volume= 1.439 af
Outflow = 24.38 cfs @ 12.00 hrs, Volume= 1.439 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1AS: Subcatchment- 1A Runoff Area=136,972 sf 38.73% Impervious Runoff Depth=3.94"
Tc=0.0 min CN=86 Runoff=17.41 cfs 1.031 af

Subcatchment1BS: Subcatchment- 1B Runoff Area=204,474 sf 9.41% Impervious Runoff Depth=2.77"
Tc=0.0 min UI Adjusted CN=74 Runoff=18.64 cfs 1.083 af

Subcatchment1CS: Subcatchment- 1C Runoff Area=189,496 sf 1.12% Impervious Runoff Depth=2.59"
Tc=0.0 min CN=72 Runoff=16.10 cfs 0.939 af

Subcatchment2AS: Subcatchment- 2A Runoff Area=89,786 sf 15.05% Impervious Runoff Depth=3.33"
Tc=0.0 min UI Adjusted CN=80 Runoff=9.84 cfs 0.573 af

Subcatchment2BS: Subcatchment- 2B Runoff Area=209,244 sf 7.62% Impervious Runoff Depth=2.86"
Tc=0.0 min UI Adjusted CN=75 Runoff=19.72 cfs 1.145 af

Subcatchment2CS: Subcatchment- 2C Runoff Area=209,786 sf 4.23% Impervious Runoff Depth=2.68"
Tc=0.0 min UI Adjusted CN=73 Runoff=18.47 cfs 1.075 af

Subcatchment3AS: Subcatchment- 3A Runoff Area=186,204 sf 0.00% Impervious Runoff Depth=2.50"
Tc=0.0 min CN=71 Runoff=15.24 cfs 0.891 af

Subcatchment3BS: Subcatchment- 3B Runoff Area=111,129 sf 0.00% Impervious Runoff Depth=2.50"
Tc=0.0 min CN=71 Runoff=9.10 cfs 0.532 af

Subcatchment4AS: Subcatchment- 4 Runoff Area=166,208 sf 0.00% Impervious Runoff Depth=2.50"
Tc=0.0 min CN=71 Runoff=13.61 cfs 0.795 af

Subcatchment4BS: Subcatchment- 4B Runoff Area=191,314 sf 0.00% Impervious Runoff Depth=2.50"
Tc=0.0 min CN=71 Runoff=15.66 cfs 0.916 af

Subcatchment5AS: Subcatchment- 5A Runoff Area=113,745 sf 0.00% Impervious Runoff Depth=2.50"
Tc=0.0 min CN=71 Runoff=9.31 cfs 0.544 af

Subcatchment5BS: Subcatchment- 5B Runoff Area=112,627 sf 0.00% Impervious Runoff Depth=2.50"
Tc=0.0 min CN=71 Runoff=9.22 cfs 0.539 af

Subcatchment6AS: Subcatchment- 6A Runoff Area=96,085 sf 0.00% Impervious Runoff Depth=2.50"
Tc=0.0 min CN=71 Runoff=7.87 cfs 0.460 af

Subcatchment6BS: Subcatchment- 6B Runoff Area=198,421 sf 2.82% Impervious Runoff Depth=2.50"
Tc=0.0 min UI Adjusted CN=71 Runoff=16.24 cfs 0.950 af

Subcatchment7AS: Subcatchment- 7A Runoff Area=177,887 sf 24.72% Impervious Runoff Depth=2.95"
Tc=0.0 min UI Adjusted CN=76 Runoff=17.32 cfs 1.005 af

Subcatchment7BS: Subcatchment- 7B Runoff Area=161,349 sf 18.70% Impervious Runoff Depth=2.68"
Tc=0.0 min UI Adjusted CN=73 Runoff=14.21 cfs 0.827 af

Subcatchment7CS: Subcatchment- 7C Runoff Area=102,117 sf 2.83% Impervious Runoff Depth=2.50"
Tc=0.0 min UI Adjusted CN=71 Runoff=8.36 cfs 0.489 af

Subcatchment7DS: Subcatchment- 7D Runoff Area=67,146 sf 0.00% Impervious Runoff Depth=2.95"
Flow Length=950' Tc=25.1 min CN=76 Runoff=3.27 cfs 0.379 af

Subcatchment8AS: Subcatchment- 8A Runoff Area=216,440 sf 0.00% Impervious Runoff Depth=2.59"
Tc=0.0 min CN=72 Runoff=18.39 cfs 1.072 af

Subcatchment8BS: Subcatchment- 8B Runoff Area=192,247 sf 0.16% Impervious Runoff Depth=2.59"
Tc=0.0 min CN=72 Runoff=16.33 cfs 0.952 af

Subcatchment8CS: Subcatchment- 8C Runoff Area=169,496 sf 5.88% Impervious Runoff Depth=2.68"
Tc=0.0 min UI Adjusted CN=73 Runoff=14.93 cfs 0.869 af

Subcatchment9AS: Subcatchment- 9A Runoff Area=188,366 sf 4.68% Impervious Runoff Depth=2.59"
Tc=0.0 min UI Adjusted CN=72 Runoff=16.00 cfs 0.933 af

Subcatchment9BS: Subcatchment- 9B Runoff Area=201,560 sf 0.44% Impervious Runoff Depth=2.50"
Tc=0.0 min CN=71 Runoff=16.50 cfs 0.965 af

Subcatchment10S: Subcatchment- 10 Runoff Area=218,036 sf 0.00% Impervious Runoff Depth=2.50"
Tc=0.0 min CN=71 Runoff=17.85 cfs 1.043 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=52.15 cfs 3.053 af
Outflow=52.15 cfs 3.053 af

Reach POA-10: Existing Woods to the Northwest Inflow=17.85 cfs 1.043 af
Outflow=17.85 cfs 1.043 af

Reach POA-2: Existing Woods to the Northwest Inflow=48.04 cfs 2.793 af
Outflow=48.04 cfs 2.793 af

Reach POA-3: Existing Woods to the Northwest Inflow=24.34 cfs 1.423 af
Outflow=24.34 cfs 1.423 af

Reach POA-4: Existing Woods to the Northwest Inflow=29.27 cfs 1.711 af
Outflow=29.27 cfs 1.711 af

Reach POA-5: Existing Woods to the Northwest Inflow=18.53 cfs 1.083 af
Outflow=18.53 cfs 1.083 af

Reach POA-6: Existing Woods to the Northeast Inflow=24.11 cfs 1.409 af
Outflow=24.11 cfs 1.409 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=40.93 cfs 2.700 af
Outflow=40.93 cfs 2.700 af

Reach POA-8: Existing Woods to the Northeast Inflow=49.65 cfs 2.893 af
Outflow=49.65 cfs 2.893 af

Reach POA-9: Existing Woods to the Northeast

Inflow=32.51 cfs 1.898 af
Outflow=32.51 cfs 1.898 af

Total Runoff Area = 89.764 ac Runoff Volume = 20.007 af Average Runoff Depth = 2.67"
94.49% Pervious = 84.821 ac 5.51% Impervious = 4.943 ac

Summary for Subcatchment 1AS: Subcatchment - 1A

Runoff = 17.41 cfs @ 12.00 hrs, Volume= 1.031 af, Depth= 3.94"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	35,114	98	Unconnected Outcrop, HSG D
	79,782	78	Meadow, non-grazed, HSG D
*	17,933	98	Unconnected Outcrop, HSG D
	4,143	71	Meadow, non-grazed, HSG C
	136,972	86	Weighted Average
	83,925		61.27% Pervious Area
	53,047		38.73% Impervious Area
	53,047		100.00% Unconnected

Summary for Subcatchment 1BS: Subcatchment - 1B

Runoff = 18.64 cfs @ 12.00 hrs, Volume= 1.083 af, Depth= 2.77"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	13,477	98	Unconnected Outcrop, HSG D
	42,165	78	Meadow, non-grazed, HSG D
	47,492	71	Meadow, non-grazed, HSG C
	95,573	71	Meadow, non-grazed, HSG C
*	5,767	98	Unconnected Outcrop, HSG D
	204,474	75	Weighted Average, UI Adjusted CN = 74
	185,230		90.59% Pervious Area
	19,244		9.41% Impervious Area
	19,244		100.00% Unconnected

Summary for Subcatchment 1CS: Subcatchment - 1C

Runoff = 16.10 cfs @ 12.00 hrs, Volume= 0.939 af, Depth= 2.59"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
	9,856	78	Meadow, non-grazed, HSG D
	177,514	71	Meadow, non-grazed, HSG C
*	2,126	98	Unconnected Outcrop, HSG D
	189,496	72	Weighted Average
	187,370		98.88% Pervious Area
	2,126		1.12% Impervious Area
	2,126		100.00% Unconnected

Summary for Subcatchment 2AS: Subcatchment - 2A

Runoff = 9.84 cfs @ 12.00 hrs, Volume= 0.573 af, Depth= 3.33"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	13,513	98	Unconnected Outcrop, HSG D
	76,273	78	Meadow, non-grazed, HSG D
	89,786	81	Weighted Average, UI Adjusted CN = 80
	76,273		84.95% Pervious Area
	13,513		15.05% Impervious Area
	13,513		100.00% Unconnected

Summary for Subcatchment 2BS: Subcatchment - 2B

Runoff = 19.72 cfs @ 12.00 hrs, Volume= 1.145 af, Depth= 2.86"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	15,936	98	Unconnected Outcrop, HSG D
	80,385	78	Meadow, non-grazed, HSG D
	112,923	71	Meadow, non-grazed, HSG C
	209,244	76	Weighted Average, UI Adjusted CN = 75
	193,308		92.38% Pervious Area
	15,936		7.62% Impervious Area
	15,936		100.00% Unconnected

Summary for Subcatchment 2CS: Subcatchment - 2C

Runoff = 18.47 cfs @ 12.00 hrs, Volume= 1.075 af, Depth= 2.68"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	8,868	98	Unconnected Outcrop, HSG D
	50,494	78	Meadow, non-grazed, HSG D
	150,424	71	Meadow, non-grazed, HSG C
	209,786	74	Weighted Average, UI Adjusted CN = 73
	200,918		95.77% Pervious Area
	8,868		4.23% Impervious Area
	8,868		100.00% Unconnected

Summary for Subcatchment 3AS: Subcatchment - 3A

Runoff = 15.24 cfs @ 12.00 hrs, Volume= 0.891 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
186,204	71	Meadow, non-grazed, HSG C
186,204		100.00% Pervious Area

Summary for Subcatchment 3BS: Subcatchment - 3B

Runoff = 9.10 cfs @ 12.00 hrs, Volume= 0.532 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
111,129	71	Meadow, non-grazed, HSG C
111,129		100.00% Pervious Area

Summary for Subcatchment 4AS: Subcatchment - 4

Runoff = 13.61 cfs @ 12.00 hrs, Volume= 0.795 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
166,208	71	Meadow, non-grazed, HSG C
166,208		100.00% Pervious Area

Summary for Subcatchment 4BS: Subcatchment - 4B

Runoff = 15.66 cfs @ 12.00 hrs, Volume= 0.916 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
191,314	71	Meadow, non-grazed, HSG C
191,314		100.00% Pervious Area

Summary for Subcatchment 5AS: Subcatchment - 5A

Runoff = 9.31 cfs @ 12.00 hrs, Volume= 0.544 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
113,745	71	Meadow, non-grazed, HSG C
113,745		100.00% Pervious Area

Summary for Subcatchment 5BS: Subcatchment - 5B

Runoff = 9.22 cfs @ 12.00 hrs, Volume= 0.539 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
112,627	71	Meadow, non-grazed, HSG C
112,627		100.00% Pervious Area

Summary for Subcatchment 6AS: Subcatchment - 6A

Runoff = 7.87 cfs @ 12.00 hrs, Volume= 0.460 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
3,203	78	Meadow, non-grazed, HSG D
92,882	71	Meadow, non-grazed, HSG C
96,085	71	Weighted Average
96,085		100.00% Pervious Area

Summary for Subcatchment 6BS: Subcatchment - 6B

Runoff = 16.24 cfs @ 12.00 hrs, Volume= 0.950 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
	3,153	78	Meadow, non-grazed, HSG D
	189,665	71	Meadow, non-grazed, HSG C
*	5,603	98	Unconnected Outcrop, HSG D
	198,421	72	Weighted Average, UI Adjusted CN = 71
	192,818		97.18% Pervious Area
	5,603		2.82% Impervious Area
	5,603		100.00% Unconnected

Summary for Subcatchment 7AS: Subcatchment - 7A

Runoff = 17.32 cfs @ 12.00 hrs, Volume= 1.005 af, Depth= 2.95"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
	59,019	71	Meadow, non-grazed, HSG C
	37,330	70	Woods, Good, HSG C
	37,558	80	Pasture/grassland/range, Good, HSG D
*	43,980	98	Unconnected Outcrop, HSG D
	177,887	79	Weighted Average, UI Adjusted CN = 76
	133,907		75.28% Pervious Area
	43,980		24.72% Impervious Area
	43,980		100.00% Unconnected

Summary for Subcatchment 7BS: Subcatchment - 7B

Runoff = 14.21 cfs @ 12.00 hrs, Volume= 0.827 af, Depth= 2.68"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
	104,556	71	Meadow, non-grazed, HSG C
	26,624	70	Woods, Good, HSG C
*	30,169	98	Unconnected Outcrop, HSG D
	161,349	76	Weighted Average, UI Adjusted CN = 73
	131,180		81.30% Pervious Area
	30,169		18.70% Impervious Area
	30,169		100.00% Unconnected

Summary for Subcatchment 7CS: Subcatchment - 7C

Runoff = 8.36 cfs @ 12.00 hrs, Volume= 0.489 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
	89,143	71	Meadow, non-grazed, HSG C
	10,084	70	Woods, Good, HSG C
*	2,890	98	Unconnected Outcrop, HSG D
	102,117	72	Weighted Average, UI Adjusted CN = 71
	99,227		97.17% Pervious Area
	2,890		2.83% Impervious Area
	2,890		100.00% Unconnected

Summary for Subcatchment 7DS: Subcatchment - 7D

Runoff = 3.27 cfs @ 12.35 hrs, Volume= 0.379 af, Depth= 2.95"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
1,925	71	Meadow, non-grazed, HSG C
27,780	70	Woods, Good, HSG C
37,441	80	Pasture/grassland/range, Good, HSG D
67,146	76	Weighted Average
67,146		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 8AS: Subcatchment - 8A

Runoff = 18.39 cfs @ 12.00 hrs, Volume= 1.072 af, Depth= 2.59"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
192,315	71	Meadow, non-grazed, HSG C
24,125	78	Meadow, non-grazed, HSG D
216,440	72	Weighted Average
216,440		100.00% Pervious Area

Summary for Subcatchment 8BS: Subcatchment - 8B

Runoff = 16.33 cfs @ 12.00 hrs, Volume= 0.952 af, Depth= 2.59"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	299	98	Unconnected Outcrop, HSG D
	163,252	71	Meadow, non-grazed, HSG C
	28,696	78	Meadow, non-grazed, HSG D
	192,247	72	Weighted Average
	191,948		99.84% Pervious Area
	299		0.16% Impervious Area
	299		100.00% Unconnected

Summary for Subcatchment 8CS: Subcatchment - 8C

Runoff = 14.93 cfs @ 12.00 hrs, Volume= 0.869 af, Depth= 2.68"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	9,966	98	Unconnected Outcrop, HSG D
	123,246	71	Meadow, non-grazed, HSG C
	36,284	78	Meadow, non-grazed, HSG D
	169,496	74	Weighted Average, UI Adjusted CN = 73
	159,530		94.12% Pervious Area
	9,966		5.88% Impervious Area
	9,966		100.00% Unconnected

Summary for Subcatchment 9AS: Subcatchment - 9A

Runoff = 16.00 cfs @ 12.00 hrs, Volume= 0.933 af, Depth= 2.59"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	8,808	98	Unconnected Outcrop, HSG D
	158,319	71	Meadow, non-grazed, HSG C
	21,239	78	Meadow, non-grazed, HSG D
	188,366	73	Weighted Average, UI Adjusted CN = 72
	179,558		95.32% Pervious Area
	8,808		4.68% Impervious Area
	8,808		100.00% Unconnected

Summary for Subcatchment 9BS: Subcatchment - 9B

Runoff = 16.50 cfs @ 12.00 hrs, Volume= 0.965 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

	Area (sf)	CN	Description
*	889	98	Unconnected Outcrop, HSG D
	196,532	71	Meadow, non-grazed, HSG C
	4,139	78	Meadow, non-grazed, HSG D
	201,560	71	Weighted Average
	200,671		99.56% Pervious Area
	889		0.44% Impervious Area
	889		100.00% Unconnected

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 17.85 cfs @ 12.00 hrs, Volume= 1.043 af, Depth= 2.50"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 25 year Rainfall=5.50"

Area (sf)	CN	Description
218,036	71	Meadow, non-grazed, HSG C
218,036		100.00% Pervious Area

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

Inflow Area = 12.189 ac, 14.02% Impervious, Inflow Depth = 3.01" for 25 year event
Inflow = 52.15 cfs @ 12.00 hrs, Volume= 3.053 af
Outflow = 52.15 cfs @ 12.00 hrs, Volume= 3.053 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

Inflow Area = 5.005 ac, 0.00% Impervious, Inflow Depth = 2.50" for 25 year event
Inflow = 17.85 cfs @ 12.00 hrs, Volume= 1.043 af
Outflow = 17.85 cfs @ 12.00 hrs, Volume= 1.043 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

Inflow Area = 11.681 ac, 7.53% Impervious, Inflow Depth = 2.87" for 25 year event
Inflow = 48.04 cfs @ 12.00 hrs, Volume= 2.793 af
Outflow = 48.04 cfs @ 12.00 hrs, Volume= 2.793 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

Inflow Area = 6.826 ac, 0.00% Impervious, Inflow Depth = 2.50" for 25 year event
Inflow = 24.34 cfs @ 12.00 hrs, Volume= 1.423 af
Outflow = 24.34 cfs @ 12.00 hrs, Volume= 1.423 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

Inflow Area = 8.208 ac, 0.00% Impervious, Inflow Depth = 2.50" for 25 year event
Inflow = 29.27 cfs @ 12.00 hrs, Volume= 1.711 af
Outflow = 29.27 cfs @ 12.00 hrs, Volume= 1.711 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

Inflow Area = 5.197 ac, 0.00% Impervious, Inflow Depth = 2.50" for 25 year event
Inflow = 18.53 cfs @ 12.00 hrs, Volume= 1.083 af
Outflow = 18.53 cfs @ 12.00 hrs, Volume= 1.083 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

Inflow Area = 6.761 ac, 1.90% Impervious, Inflow Depth = 2.50" for 25 year event
Inflow = 24.11 cfs @ 12.00 hrs, Volume= 1.409 af
Outflow = 24.11 cfs @ 12.00 hrs, Volume= 1.409 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

Inflow Area = 11.674 ac, 15.15% Impervious, Inflow Depth = 2.78" for 25 year event
Inflow = 40.93 cfs @ 12.00 hrs, Volume= 2.700 af
Outflow = 40.93 cfs @ 12.00 hrs, Volume= 2.700 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

Inflow Area = 13.273 ac, 1.78% Impervious, Inflow Depth = 2.62" for 25 year event
Inflow = 49.65 cfs @ 12.00 hrs, Volume= 2.893 af
Outflow = 49.65 cfs @ 12.00 hrs, Volume= 2.893 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

Inflow Area = 8.951 ac, 2.49% Impervious, Inflow Depth = 2.54" for 25 year event
Inflow = 32.51 cfs @ 12.00 hrs, Volume= 1.898 af
Outflow = 32.51 cfs @ 12.00 hrs, Volume= 1.898 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Time span=1.00-30.00 hrs, dt=0.01 hrs, 2901 points
Runoff by SCS TR-20 method, UH=SCS
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment1AS: Subcatchment- 1A Runoff Area=136,972 sf 38.73% Impervious Runoff Depth=5.37"
Tc=0.0 min CN=86 Runoff=23.39 cfs 1.406 af

Subcatchment1BS: Subcatchment- 1B Runoff Area=204,474 sf 9.41% Impervious Runoff Depth=4.04"
Tc=0.0 min UI Adjusted CN=74 Runoff=27.24 cfs 1.581 af

Subcatchment1CS: Subcatchment- 1C Runoff Area=189,496 sf 1.12% Impervious Runoff Depth=3.83"
Tc=0.0 min CN=72 Runoff=23.93 cfs 1.388 af

Subcatchment2AS: Subcatchment- 2A Runoff Area=89,786 sf 15.05% Impervious Runoff Depth=4.69"
Tc=0.0 min UI Adjusted CN=80 Runoff=13.75 cfs 0.806 af

Subcatchment2BS: Subcatchment- 2B Runoff Area=209,244 sf 7.62% Impervious Runoff Depth=4.15"
Tc=0.0 min UI Adjusted CN=75 Runoff=28.59 cfs 1.661 af

Subcatchment2CS: Subcatchment- 2C Runoff Area=209,786 sf 4.23% Impervious Runoff Depth=3.94"
Tc=0.0 min UI Adjusted CN=73 Runoff=27.22 cfs 1.579 af

Subcatchment3AS: Subcatchment- 3A Runoff Area=186,204 sf 0.00% Impervious Runoff Depth=3.72"
Tc=0.0 min CN=71 Runoff=22.86 cfs 1.326 af

Subcatchment3BS: Subcatchment- 3B Runoff Area=111,129 sf 0.00% Impervious Runoff Depth=3.72"
Tc=0.0 min CN=71 Runoff=13.64 cfs 0.792 af

Subcatchment4AS: Subcatchment- 4 Runoff Area=166,208 sf 0.00% Impervious Runoff Depth=3.72"
Tc=0.0 min CN=71 Runoff=20.40 cfs 1.184 af

Subcatchment4BS: Subcatchment- 4B Runoff Area=191,314 sf 0.00% Impervious Runoff Depth=3.72"
Tc=0.0 min CN=71 Runoff=23.48 cfs 1.363 af

Subcatchment5AS: Subcatchment- 5A Runoff Area=113,745 sf 0.00% Impervious Runoff Depth=3.72"
Tc=0.0 min CN=71 Runoff=13.96 cfs 0.810 af

Subcatchment5BS: Subcatchment- 5B Runoff Area=112,627 sf 0.00% Impervious Runoff Depth=3.72"
Tc=0.0 min CN=71 Runoff=13.83 cfs 0.802 af

Subcatchment6AS: Subcatchment- 6A Runoff Area=96,085 sf 0.00% Impervious Runoff Depth=3.72"
Tc=0.0 min CN=71 Runoff=11.79 cfs 0.684 af

Subcatchment6BS: Subcatchment- 6B Runoff Area=198,421 sf 2.82% Impervious Runoff Depth=3.72"
Tc=0.0 min UI Adjusted CN=71 Runoff=24.36 cfs 1.413 af

Subcatchment7AS: Subcatchment- 7A Runoff Area=177,887 sf 24.72% Impervious Runoff Depth=4.26"
Tc=0.0 min UI Adjusted CN=76 Runoff=24.91 cfs 1.449 af

Subcatchment7BS: Subcatchment- 7B Runoff Area=161,349 sf 18.70% Impervious Runoff Depth=3.94"
Tc=0.0 min UI Adjusted CN=73 Runoff=20.93 cfs 1.215 af

Subcatchment7CS: Subcatchment- 7C Runoff Area=102,117 sf 2.83% Impervious Runoff Depth=3.72"
Tc=0.0 min UI Adjusted CN=71 Runoff=12.54 cfs 0.727 af

Subcatchment7DS: Subcatchment- 7D Runoff Area=67,146 sf 0.00% Impervious Runoff Depth=4.26"
Flow Length=950' Tc=25.1 min CN=76 Runoff=4.71 cfs 0.547 af

Subcatchment8AS: Subcatchment- 8A Runoff Area=216,440 sf 0.00% Impervious Runoff Depth=3.83"
Tc=0.0 min CN=72 Runoff=27.33 cfs 1.585 af

Subcatchment8BS: Subcatchment- 8B Runoff Area=192,247 sf 0.16% Impervious Runoff Depth=3.83"
Tc=0.0 min CN=72 Runoff=24.27 cfs 1.408 af

Subcatchment8CS: Subcatchment- 8C Runoff Area=169,496 sf 5.88% Impervious Runoff Depth=3.94"
Tc=0.0 min UI Adjusted CN=73 Runoff=21.99 cfs 1.276 af

Subcatchment9AS: Subcatchment- 9A Runoff Area=188,366 sf 4.68% Impervious Runoff Depth=3.83"
Tc=0.0 min UI Adjusted CN=72 Runoff=23.78 cfs 1.380 af

Subcatchment9BS: Subcatchment- 9B Runoff Area=201,560 sf 0.44% Impervious Runoff Depth=3.72"
Tc=0.0 min CN=71 Runoff=24.74 cfs 1.436 af

Subcatchment10S: Subcatchment- 10 Runoff Area=218,036 sf 0.00% Impervious Runoff Depth=3.72"
Tc=0.0 min CN=71 Runoff=26.76 cfs 1.553 af

Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Inflow=74.55 cfs 4.375 af
Outflow=74.55 cfs 4.375 af

Reach POA-10: Existing Woods to the Northwest Inflow=26.76 cfs 1.553 af
Outflow=26.76 cfs 1.553 af

Reach POA-2: Existing Woods to the Northwest Inflow=69.55 cfs 4.047 af
Outflow=69.55 cfs 4.047 af

Reach POA-3: Existing Woods to the Northwest Inflow=36.50 cfs 2.118 af
Outflow=36.50 cfs 2.118 af

Reach POA-4: Existing Woods to the Northwest Inflow=43.89 cfs 2.547 af
Outflow=43.89 cfs 2.547 af

Reach POA-5: Existing Woods to the Northwest Inflow=27.79 cfs 1.612 af
Outflow=27.79 cfs 1.612 af

Reach POA-6: Existing Woods to the Northeast Inflow=36.15 cfs 2.098 af
Outflow=36.15 cfs 2.098 af

Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Inflow=59.97 cfs 3.938 af
Outflow=59.97 cfs 3.938 af

Reach POA-8: Existing Woods to the Northeast Inflow=73.59 cfs 4.270 af
Outflow=73.59 cfs 4.270 af

Reach POA-9: Existing Woods to the Northeast

Inflow=48.53 cfs 2.816 af
Outflow=48.53 cfs 2.816 af

Total Runoff Area = 89.764 ac Runoff Volume = 29.373 af Average Runoff Depth = 3.93"
94.49% Pervious = 84.821 ac 5.51% Impervious = 4.943 ac

Summary for Subcatchment 1AS: Subcatchment - 1A

Runoff = 23.39 cfs @ 12.00 hrs, Volume= 1.406 af, Depth= 5.37"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	35,114	98	Unconnected Outcrop, HSG D
	79,782	78	Meadow, non-grazed, HSG D
*	17,933	98	Unconnected Outcrop, HSG D
	4,143	71	Meadow, non-grazed, HSG C
	136,972	86	Weighted Average
	83,925		61.27% Pervious Area
	53,047		38.73% Impervious Area
	53,047		100.00% Unconnected

Summary for Subcatchment 1BS: Subcatchment - 1B

Runoff = 27.24 cfs @ 12.00 hrs, Volume= 1.581 af, Depth= 4.04"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	13,477	98	Unconnected Outcrop, HSG D
	42,165	78	Meadow, non-grazed, HSG D
	47,492	71	Meadow, non-grazed, HSG C
	95,573	71	Meadow, non-grazed, HSG C
*	5,767	98	Unconnected Outcrop, HSG D
	204,474	75	Weighted Average, UI Adjusted CN = 74
	185,230		90.59% Pervious Area
	19,244		9.41% Impervious Area
	19,244		100.00% Unconnected

Summary for Subcatchment 1CS: Subcatchment - 1C

Runoff = 23.93 cfs @ 12.00 hrs, Volume= 1.388 af, Depth= 3.83"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
	9,856	78	Meadow, non-grazed, HSG D
	177,514	71	Meadow, non-grazed, HSG C
*	2,126	98	Unconnected Outcrop, HSG D
	189,496	72	Weighted Average
	187,370		98.88% Pervious Area
	2,126		1.12% Impervious Area
	2,126		100.00% Unconnected

Summary for Subcatchment 2AS: Subcatchment - 2A

Runoff = 13.75 cfs @ 12.00 hrs, Volume= 0.806 af, Depth= 4.69"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	13,513	98	Unconnected Outcrop, HSG D
	76,273	78	Meadow, non-grazed, HSG D
	89,786	81	Weighted Average, UI Adjusted CN = 80
	76,273		84.95% Pervious Area
	13,513		15.05% Impervious Area
	13,513		100.00% Unconnected

Summary for Subcatchment 2BS: Subcatchment - 2B

Runoff = 28.59 cfs @ 12.00 hrs, Volume= 1.661 af, Depth= 4.15"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	15,936	98	Unconnected Outcrop, HSG D
	80,385	78	Meadow, non-grazed, HSG D
	112,923	71	Meadow, non-grazed, HSG C
	209,244	76	Weighted Average, UI Adjusted CN = 75
	193,308		92.38% Pervious Area
	15,936		7.62% Impervious Area
	15,936		100.00% Unconnected

Summary for Subcatchment 2CS: Subcatchment - 2C

Runoff = 27.22 cfs @ 12.00 hrs, Volume= 1.579 af, Depth= 3.94"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	8,868	98	Unconnected Outcrop, HSG D
	50,494	78	Meadow, non-grazed, HSG D
	150,424	71	Meadow, non-grazed, HSG C
	209,786	74	Weighted Average, UI Adjusted CN = 73
	200,918		95.77% Pervious Area
	8,868		4.23% Impervious Area
	8,868		100.00% Unconnected

Summary for Subcatchment 3AS: Subcatchment - 3A

Runoff = 22.86 cfs @ 12.00 hrs, Volume= 1.326 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
186,204	71	Meadow, non-grazed, HSG C
186,204		100.00% Pervious Area

Summary for Subcatchment 3BS: Subcatchment - 3B

Runoff = 13.64 cfs @ 12.00 hrs, Volume= 0.792 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
111,129	71	Meadow, non-grazed, HSG C
111,129		100.00% Pervious Area

Summary for Subcatchment 4AS: Subcatchment - 4

Runoff = 20.40 cfs @ 12.00 hrs, Volume= 1.184 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
166,208	71	Meadow, non-grazed, HSG C
166,208		100.00% Pervious Area

Summary for Subcatchment 4BS: Subcatchment - 4B

Runoff = 23.48 cfs @ 12.00 hrs, Volume= 1.363 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
191,314	71	Meadow, non-grazed, HSG C
191,314		100.00% Pervious Area

Summary for Subcatchment 5AS: Subcatchment - 5A

Runoff = 13.96 cfs @ 12.00 hrs, Volume= 0.810 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
113,745	71	Meadow, non-grazed, HSG C
113,745		100.00% Pervious Area

Summary for Subcatchment 5BS: Subcatchment - 5B

Runoff = 13.83 cfs @ 12.00 hrs, Volume= 0.802 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
112,627	71	Meadow, non-grazed, HSG C
112,627		100.00% Pervious Area

Summary for Subcatchment 6AS: Subcatchment - 6A

Runoff = 11.79 cfs @ 12.00 hrs, Volume= 0.684 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
3,203	78	Meadow, non-grazed, HSG D
92,882	71	Meadow, non-grazed, HSG C
96,085	71	Weighted Average
96,085		100.00% Pervious Area

Summary for Subcatchment 6BS: Subcatchment - 6B

Runoff = 24.36 cfs @ 12.00 hrs, Volume= 1.413 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
	3,153	78	Meadow, non-grazed, HSG D
	189,665	71	Meadow, non-grazed, HSG C
*	5,603	98	Unconnected Outcrop, HSG D
	198,421	72	Weighted Average, UI Adjusted CN = 71
	192,818		97.18% Pervious Area
	5,603		2.82% Impervious Area
	5,603		100.00% Unconnected

Summary for Subcatchment 7AS: Subcatchment - 7A

Runoff = 24.91 cfs @ 12.00 hrs, Volume= 1.449 af, Depth= 4.26"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
	59,019	71	Meadow, non-grazed, HSG C
	37,330	70	Woods, Good, HSG C
	37,558	80	Pasture/grassland/range, Good, HSG D
*	43,980	98	Unconnected Outcrop, HSG D
	177,887	79	Weighted Average, UI Adjusted CN = 76
	133,907		75.28% Pervious Area
	43,980		24.72% Impervious Area
	43,980		100.00% Unconnected

Summary for Subcatchment 7BS: Subcatchment - 7B

Runoff = 20.93 cfs @ 12.00 hrs, Volume= 1.215 af, Depth= 3.94"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
	104,556	71	Meadow, non-grazed, HSG C
	26,624	70	Woods, Good, HSG C
*	30,169	98	Unconnected Outcrop, HSG D
	161,349	76	Weighted Average, UI Adjusted CN = 73
	131,180		81.30% Pervious Area
	30,169		18.70% Impervious Area
	30,169		100.00% Unconnected

Summary for Subcatchment 7CS: Subcatchment - 7C

Runoff = 12.54 cfs @ 12.00 hrs, Volume= 0.727 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
	89,143	71	Meadow, non-grazed, HSG C
	10,084	70	Woods, Good, HSG C
*	2,890	98	Unconnected Outcrop, HSG D
	102,117	72	Weighted Average, UI Adjusted CN = 71
	99,227		97.17% Pervious Area
	2,890		2.83% Impervious Area
	2,890		100.00% Unconnected

Summary for Subcatchment 7DS: Subcatchment - 7D

Runoff = 4.71 cfs @ 12.35 hrs, Volume= 0.547 af, Depth= 4.26"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
1,925	71	Meadow, non-grazed, HSG C
27,780	70	Woods, Good, HSG C
37,441	80	Pasture/grassland/range, Good, HSG D
67,146	76	Weighted Average
67,146		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
17.1	150	0.0800	0.15		**Sheet Flow, Sheet Flow A-B** Woods: Light underbrush n= 0.400 P2= 3.20"
8.0	800	0.1100	1.66		**Shallow Concentrated Flow, Shallow Flow B-C** Woodland Kv= 5.0 fps
25.1	950	Total			

Summary for Subcatchment 8AS: Subcatchment - 8A

Runoff = 27.33 cfs @ 12.00 hrs, Volume= 1.585 af, Depth= 3.83"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
192,315	71	Meadow, non-grazed, HSG C
24,125	78	Meadow, non-grazed, HSG D
216,440	72	Weighted Average
216,440		100.00% Pervious Area

Summary for Subcatchment 8BS: Subcatchment - 8B

Runoff = 24.27 cfs @ 12.00 hrs, Volume= 1.408 af, Depth= 3.83"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	299	98	Unconnected Outcrop, HSG D
	163,252	71	Meadow, non-grazed, HSG C
	28,696	78	Meadow, non-grazed, HSG D
	192,247	72	Weighted Average
	191,948		99.84% Pervious Area
	299		0.16% Impervious Area
	299		100.00% Unconnected

Summary for Subcatchment 8CS: Subcatchment - 8C

Runoff = 21.99 cfs @ 12.00 hrs, Volume= 1.276 af, Depth= 3.94"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	9,966	98	Unconnected Outcrop, HSG D
	123,246	71	Meadow, non-grazed, HSG C
	36,284	78	Meadow, non-grazed, HSG D
	169,496	74	Weighted Average, UI Adjusted CN = 73
	159,530		94.12% Pervious Area
	9,966		5.88% Impervious Area
	9,966		100.00% Unconnected

Summary for Subcatchment 9AS: Subcatchment - 9A

Runoff = 23.78 cfs @ 12.00 hrs, Volume= 1.380 af, Depth= 3.83"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	8,808	98	Unconnected Outcrop, HSG D
	158,319	71	Meadow, non-grazed, HSG C
	21,239	78	Meadow, non-grazed, HSG D
	188,366	73	Weighted Average, UI Adjusted CN = 72
	179,558		95.32% Pervious Area
	8,808		4.68% Impervious Area
	8,808		100.00% Unconnected

Summary for Subcatchment 9BS: Subcatchment - 9B

Runoff = 24.74 cfs @ 12.00 hrs, Volume= 1.436 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

	Area (sf)	CN	Description
*	889	98	Unconnected Outcrop, HSG D
	196,532	71	Meadow, non-grazed, HSG C
	4,139	78	Meadow, non-grazed, HSG D
	201,560	71	Weighted Average
	200,671		99.56% Pervious Area
	889		0.44% Impervious Area
	889		100.00% Unconnected

Summary for Subcatchment 10S: Subcatchment - 10

Runoff = 26.76 cfs @ 12.00 hrs, Volume= 1.553 af, Depth= 3.72"

Runoff by SCS TR-20 method, UH=SCS, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs
Type III 24-hr 100 year Rainfall=7.00"

Area (sf)	CN	Description
218,036	71	Meadow, non-grazed, HSG C
218,036		100.00% Pervious Area

Summary for Reach POA-1: Existing Woods to the Northeast & Tributary to Existing Wetlands Area

Inflow Area = 12.189 ac, 14.02% Impervious, Inflow Depth = 4.31" for 100 year event
Inflow = 74.55 cfs @ 12.00 hrs, Volume= 4.375 af
Outflow = 74.55 cfs @ 12.00 hrs, Volume= 4.375 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-10: Existing Woods to the Northwest

Inflow Area = 5.005 ac, 0.00% Impervious, Inflow Depth = 3.72" for 100 year event
Inflow = 26.76 cfs @ 12.00 hrs, Volume= 1.553 af
Outflow = 26.76 cfs @ 12.00 hrs, Volume= 1.553 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-2: Existing Woods to the Northwest

Inflow Area = 11.681 ac, 7.53% Impervious, Inflow Depth = 4.16" for 100 year event
Inflow = 69.55 cfs @ 12.00 hrs, Volume= 4.047 af
Outflow = 69.55 cfs @ 12.00 hrs, Volume= 4.047 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-3: Existing Woods to the Northwest

Inflow Area = 6.826 ac, 0.00% Impervious, Inflow Depth = 3.72" for 100 year event
Inflow = 36.50 cfs @ 12.00 hrs, Volume= 2.118 af
Outflow = 36.50 cfs @ 12.00 hrs, Volume= 2.118 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-4: Existing Woods to the Northwest

Inflow Area = 8.208 ac, 0.00% Impervious, Inflow Depth = 3.72" for 100 year event
Inflow = 43.89 cfs @ 12.00 hrs, Volume= 2.547 af
Outflow = 43.89 cfs @ 12.00 hrs, Volume= 2.547 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-5: Existing Woods to the Northwest

Inflow Area = 5.197 ac, 0.00% Impervious, Inflow Depth = 3.72" for 100 year event
Inflow = 27.79 cfs @ 12.00 hrs, Volume= 1.612 af
Outflow = 27.79 cfs @ 12.00 hrs, Volume= 1.612 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-6: Existing Woods to the Northeast

Inflow Area = 6.761 ac, 1.90% Impervious, Inflow Depth = 3.72" for 100 year event
Inflow = 36.15 cfs @ 12.00 hrs, Volume= 2.098 af
Outflow = 36.15 cfs @ 12.00 hrs, Volume= 2.098 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-7: Existing Woods & Candlewood Roadside Swales to the Northwest

Inflow Area = 11.674 ac, 15.15% Impervious, Inflow Depth = 4.05" for 100 year event
Inflow = 59.97 cfs @ 12.00 hrs, Volume= 3.938 af
Outflow = 59.97 cfs @ 12.00 hrs, Volume= 3.938 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-8: Existing Woods to the Northeast

Inflow Area = 13.273 ac, 1.78% Impervious, Inflow Depth = 3.86" for 100 year event
Inflow = 73.59 cfs @ 12.00 hrs, Volume= 4.270 af
Outflow = 73.59 cfs @ 12.00 hrs, Volume= 4.270 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs

Summary for Reach POA-9: Existing Woods to the Northeast

Inflow Area = 8.951 ac, 2.49% Impervious, Inflow Depth = 3.77" for 100 year event
Inflow = 48.53 cfs @ 12.00 hrs, Volume= 2.816 af
Outflow = 48.53 cfs @ 12.00 hrs, Volume= 2.816 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 1.00-30.00 hrs, dt= 0.01 hrs