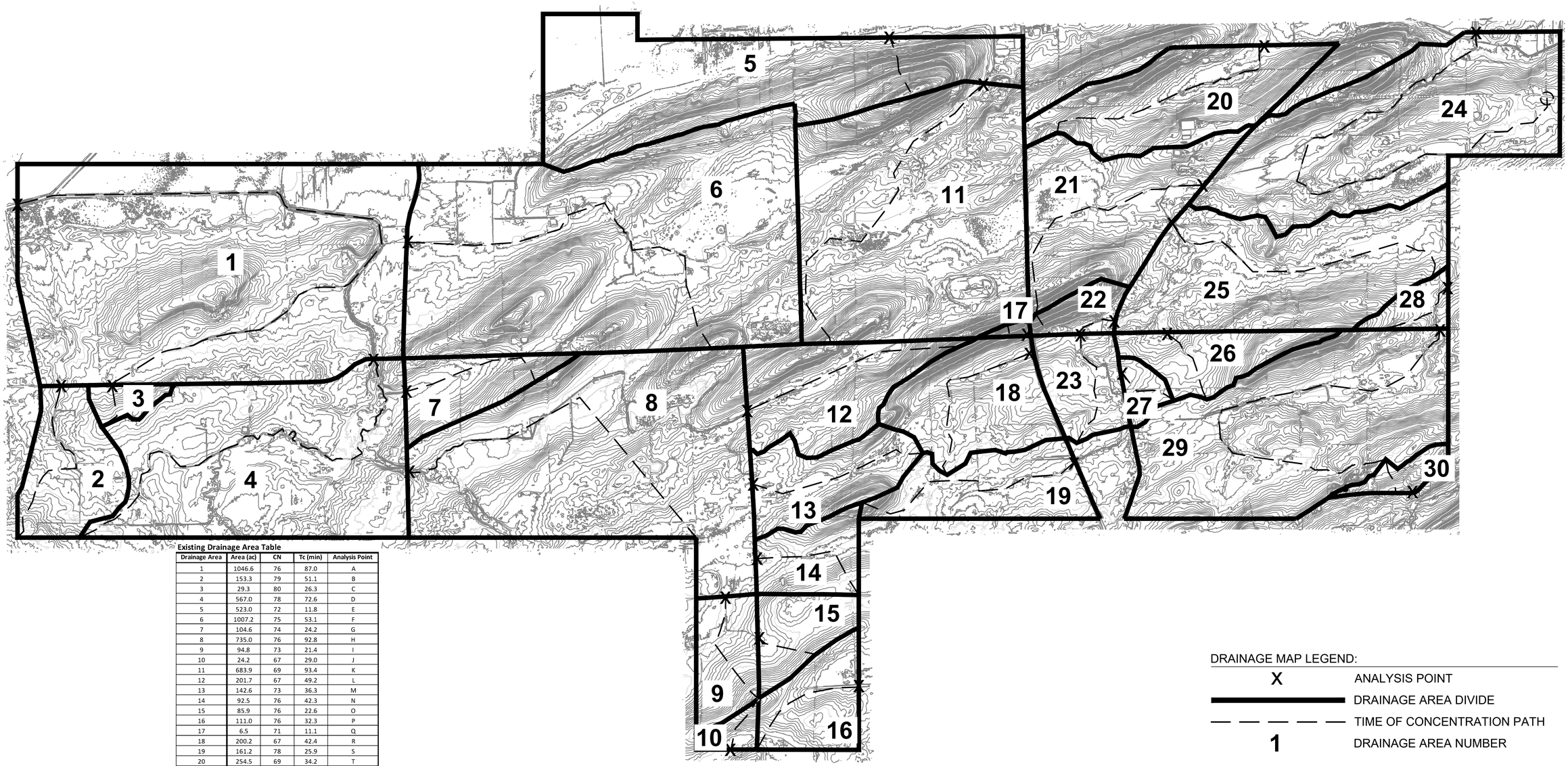
Appendix J Drainage Maps, Land Cover Maps, Peak Discharge Table, Drainage Area Summary, CN Values Table, Hydrologic Stormwater Model Results



Existing Drainage Area Table

Drainage Area	Area (ac)	CN	Tc (min)	Analysis Point
1	1046.6	76	87.0	A
2	153.3	79	51.1	B
3	29.3	80	26.3	C
4	567.0	78	72.6	D
5	523.0	72	11.8	E
6	1007.2	75	53.1	F
7	104.6	74	24.2	G
8	735.0	76	92.8	H
9	94.8	73	21.4	I
10	24.2	67	29.0	J
11	683.9	69	93.4	K
12	201.7	67	49.2	L
13	142.6	73	36.3	M
14	92.5	76	42.3	N
15	85.9	76	22.6	O
16	111.0	76	32.3	P
17	6.5	71	11.1	Q
18	200.2	67	42.4	R
19	161.2	78	25.9	S
20	254.5	69	34.2	T
21	286.3	72	31.9	U
22	44.8	66	15.7	V
23	99.1	74	38.7	W
24	533.1	70	65.9	X
25	416.6	75	46.0	Y
26	105.7	75	25.0	Z
27	28.2	79	39.7	AA
28	39.5	74	19.5	BB
29	542.1	71	67.0	CC
30	31.9	68	35.4	DD

DRAINAGE MAP LEGEND:

X	ANALYSIS POINT
▬▬▬	DRAINAGE AREA DIVIDE
— — — —	TIME OF CONCENTRATION PATH
1	DRAINAGE AREA NUMBER

N

0 1200 2400 3600

SCALE IN FEET

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

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Client/Project
HECATE ENERGY
500MW AC CIDER SOLAR FARM

EAST OAKFIELD, NY & ELBA, NY

File Name: DR-1.dwg	TJC	TMP	MDF	20.12.04
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
EXISTING CONDITIONS DRAINAGE MAP

Project No.	Scale	
190502038	1"=1200'	
Drawing No.	Sheet	Revision
DR-1	01 of X	0

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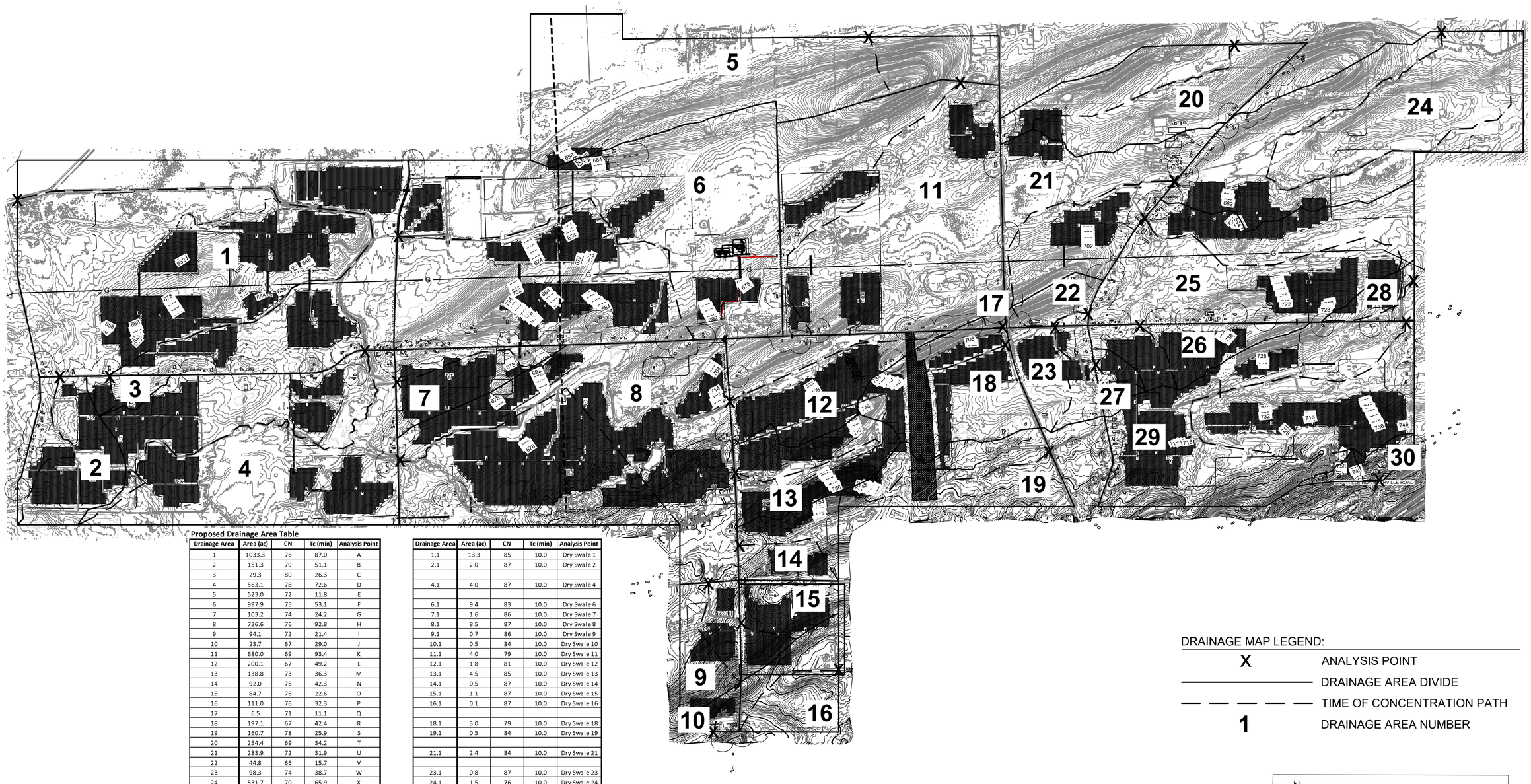

Proposed Drainage Area Table

Drainage Area	Area (ac)	CN	Tc (min)	Analysis Point
1	1033.3	76	87.0	A
2	151.3	79	51.1	B
3	29.3	80	26.3	C
4	563.1	78	72.6	D
5	523.0	72	11.8	E
6	997.9	75	53.1	F
7	103.2	74	24.2	G
8	726.6	76	92.8	H
9	94.1	72	21.4	I
10	23.7	67	29.0	J
11	680.0	69	93.4	K
12	200.1	67	49.2	L
13	138.8	73	36.3	M
14	92.0	76	42.3	N
15	84.7	76	22.6	O
16	111.0	76	32.3	P
17	6.5	71	11.1	Q
18	197.1	67	42.4	R
19	160.7	78	25.9	S
20	254.4	69	34.2	T
21	283.9	72	31.9	U
22	44.8	66	15.7	V
23	98.3	74	38.7	W
24	531.7	70	65.9	X
25	414.2	75	46.0	Y
26	104.6	75	25.0	Z
27	27.3	79	39.7	AA
28	38.8	74	19.5	BB
29	536.9	71	67.0	CC
30	31.9	68	35.4	DD

Drainage Area	Area (ac)	CN	Tc (min)	Analysis Point
1.1	13.3	85	10.0	Dry Swale 1
2.1	2.0	87	10.0	Dry Swale 2
4.1	4.0	87	10.0	Dry Swale 4
6.1	9.4	83	10.0	Dry Swale 6
7.1	1.6	86	10.0	Dry Swale 7
8.1	8.5	87	10.0	Dry Swale 8
9.1	0.7	86	10.0	Dry Swale 9
10.1	0.5	84	10.0	Dry Swale 10
11.1	4.0	79	10.0	Dry Swale 11
12.1	1.8	81	10.0	Dry Swale 12
13.1	4.5	85	10.0	Dry Swale 13
14.1	0.5	87	10.0	Dry Swale 14
15.1	1.1	87	10.0	Dry Swale 15
16.1	0.1	87	10.0	Dry Swale 16
18.1	3.0	79	10.0	Dry Swale 18
19.1	0.5	84	10.0	Dry Swale 19
21.1	2.4	84	10.0	Dry Swale 21
23.1	0.8	87	10.0	Dry Swale 23
24.1	1.5	76	10.0	Dry Swale 24
25.1	2.4	81	10.0	Dry Swale 25
26.1	1.2	83	10.0	Dry Swale 26
27.1	1.0	85	10.0	Dry Swale 27
28.1	0.9	84	10.0	Dry Swale 28
29.1	5.8	77	10.0	Dry Swale 29

DRAINAGE MAP LEGEND:

- X — ANALYSIS POINT
- ——— DRAINAGE AREA DIVIDE
- — — — — TIME OF CONCENTRATION PATH
- 1 — DRAINAGE AREA NUMBER

N

0 1200 2400 3600

SCALE IN FEET

Revision	By	Appd.	YY.MM.DD

Issued	By	Appd.	YY.MM.DD

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Client/Project
HECATE ENERGY
500MW AC CIDER SOLAR FARM

EAST OAKFIELD, NY & ELBA, NY

File Name: DR-2.dwg	TJC Dwn.	TMP Chkd.	MDF Dsgn.	20.12.04 YY.MM.DD

Title
PROPOSED CONDITIONS
DRAINAGE MAP

Project No.	Scale	
190502038	1"=1200'	
Drawing No.	Sheet	Revision
DR-2	02 of X	0

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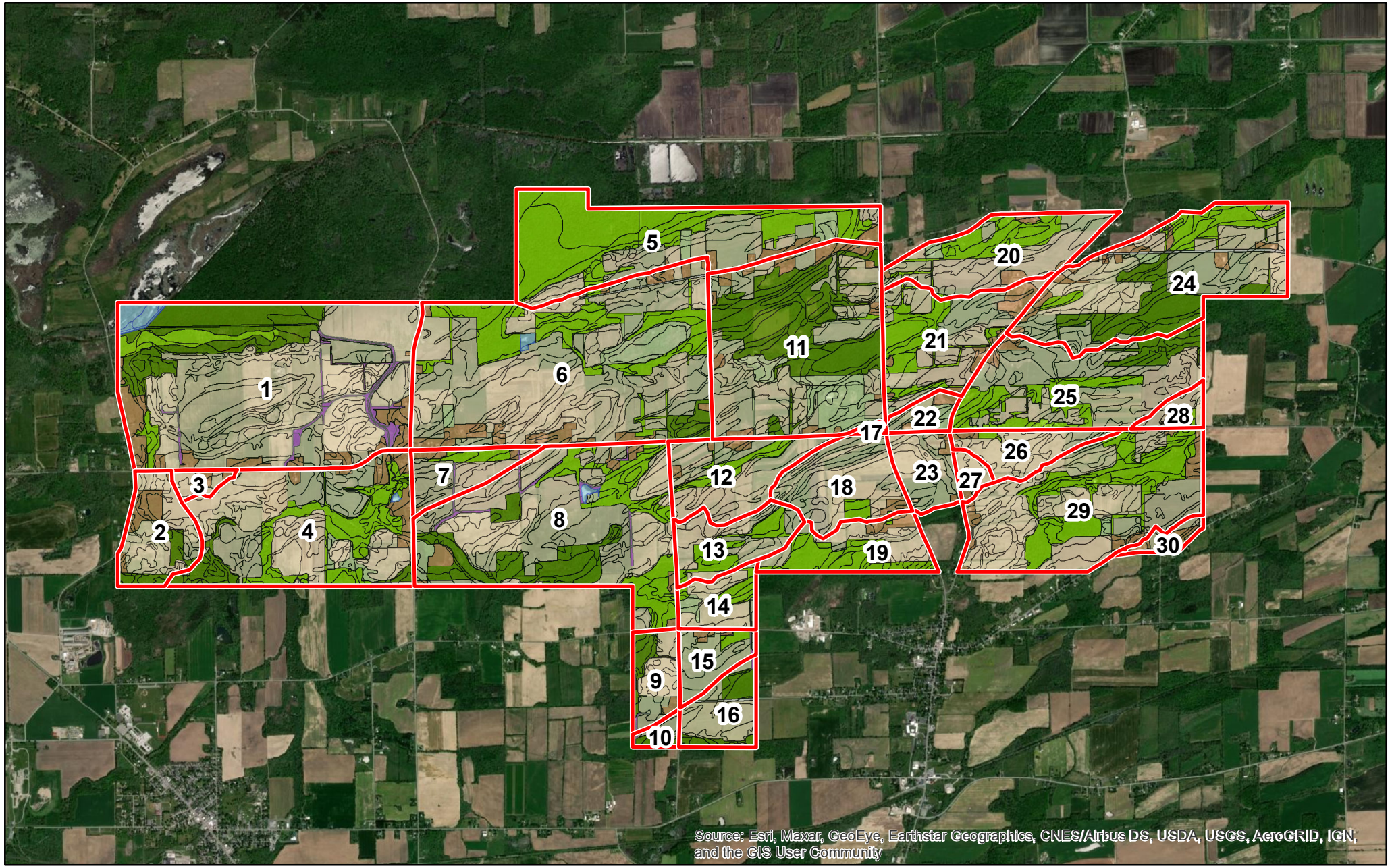


EXISTING COVER

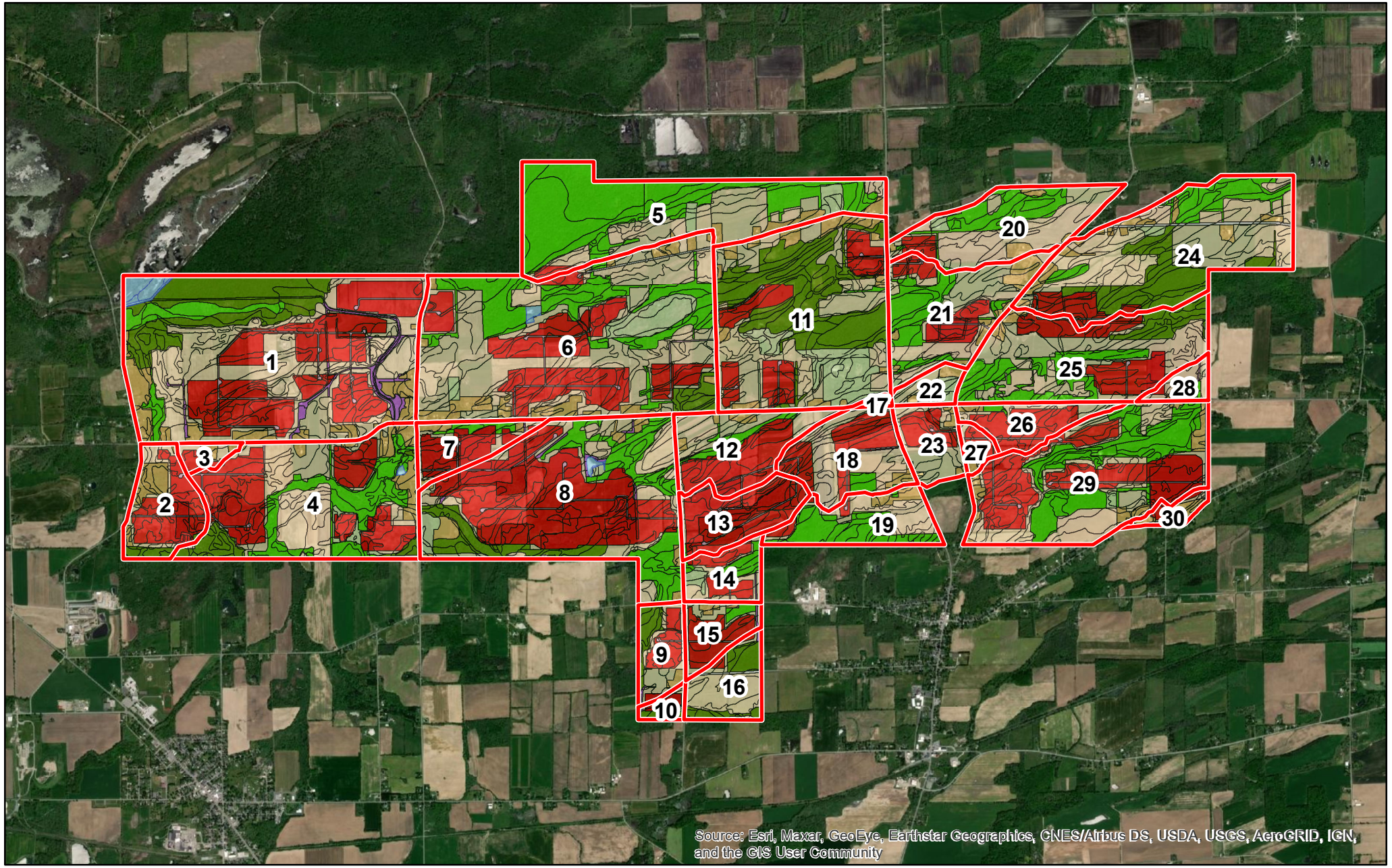
N

0 2,000 4,000 Feet

1 inch = 4,000 feet

EXISTING COVER

- Pasture, grassland or range; fair
- Woods; poor
- Woods; fair
- Woods; good
- Residential Districts; 1 acre lot; 20% imp
- Paved; open ditches (w/in ROW)
- Ponds and lake surfaces
- Woods; poor (Field Margin)



N

0 2,000 4,000 Feet

1 inch = 4,000 feet

PROPOSED COVER

- Pasture, grassland or range; fair
- Woods; poor
- Woods; fair
- Woods; good
- Residential Districts; 1 acre lot; 20% imp
- Paved; open ditches (w/in ROW)
- Ponds and lake surfaces
- Woods; poor (Field Margin)
- Access Road - Gravel (w/ROW)
- Solar Array - Pasture, grassland or range; fair

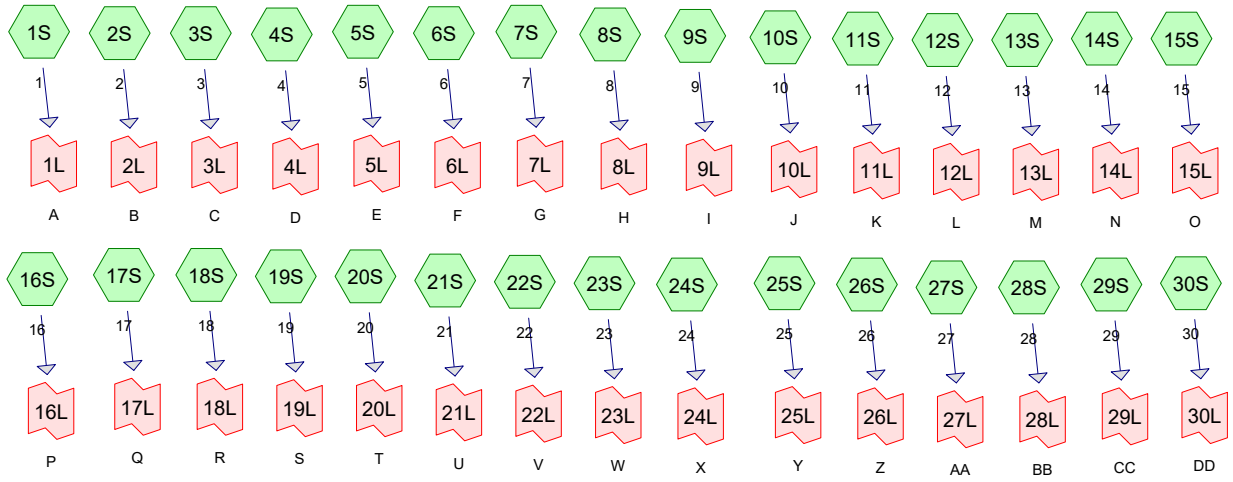
Peak Discharge Rate Table

Drainage Area	Analysis Point	Existing Conditions			Proposed Conditions		
		1-Year	10-Year	100-Year	1-Year	10-Year	100-Year
1	A	105.3	409.61	1087.6	103.9	404.4	1073.8
2	B	30.8	101.32	247.0	30.4	100	244.8
3	C	9.3	28.89	68.2	9.3	28.89	68.2
4	D	81.8	285.3	718.3	81.3	283.34	713.3
5	E	72.0	433.92	1262.5	72.0	433.92	1262.5
6	F	122.9	510.98	1388.1	121.7	506.26	1375.3
7	G	15.8	73.96	204.4	15.6	72.97	201.7
8	H	71.2	276.06	731.0	70.3	272.9	722.6
9	I	12.8	65.89	188.0	10.6	60.65	179.0
10	J	0.9	8.77	31.8	0.9	8.59	31.2
11	K	23.2	153	507.5	23.1	152.12	504.6
12	L	6.3	57.22	205.6	6.2	56.76	204.0
13	M	15.7	76.88	220.4	15.3	74.83	214.6
14	N	14.5	56.54	148.9	14.4	56.23	148.1
15	O	18.1	71.95	187.2	17.8	70.94	184.6
16	P	19.8	77.81	204.1	19.8	77.81	204.1
17	Q	0.7	5.07	15.5	0.7	5.07	15.5
18	R	6.7	61.21	220.2	6.6	60.26	216.8
19	S	41.2	142.78	353.4	41.0	142.34	352.3
20	T	14.2	102.84	340.8	14.2	102.8	340.6
21	U	28.2	153.25	453.0	28.0	151.97	449.2
22	V	1.6	18.94	73.1	1.6	18.94	73.1
23	W	12.3	55.64	154.7	12.2	55.19	153.4
24	X	26.3	163.86	524.2	26.2	163.43	522.8
25	Y	54.7	228.18	617.6	54.4	226.87	614.0
26	Z	18.3	78.6	211.4	18.1	77.78	209.2
27	AA	6.5	21.3	52.0	6.3	20.62	50.3
28	BB	6.5	30.83	84.8	6.4	30.29	83.3
29	CC	31.8	180.04	555.3	31.5	178.31	550.0
30	DD	1.4	11.66	40.2	1.4	11.66	40.2
Totals		**870.7**	**3942.3**	**11096.8**	**861.3**	**3906.1**	**11003.2**

SUBCATCHMENT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
EXISTING AREA	1046.6	153.3	29.3	567.0	523.0	1007.2	104.6	735.0	94.8	24.2	683.9	201.7	142.6	92.5	85.9
PROPOSED AREA TO ANALYSIS PT	1033.3	151.3	29.3	563.1	523.0	997.9	103.2	726.6	94.1	23.7	680.0	200.1	138.8	92.0	84.7
CN (EXISTING)	76	79	80	78	72	75	74	76	73	67	69	67	73	76	76
CN (PROPOSED)	76	79	80	78	72	75	74	76	72	67	69	67	73	76	76
AREA TO DRY SWALE	13.3	2.0	0.0	4.0	0.0	9.4	1.6	8.5	0.7	0.5	4.0	1.8	4.5	0.5	1.1
GRAVEL AND DRY SWALE CN	85	87	87	87	NA	83	86	87	86	84	79	81	85	87	87
AREA TO ANALYSIS PT	1033.3	151.3	29.3	563.0	523.0	997.8	103.0	726.5	94.1	23.7	679.9	199.9	138.1	92.0	84.8

SUBCATCHMENT	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
EXISTING AREA	111.0	6.5	200.2	161.2	254.5	286.3	44.8	99.1	533.1	416.6	105.7	28.2	39.5	542.1	31.9
PROPOSED AREA TO ANALYSIS PT	111.0	6.5	197.1	160.7	254.4	283.9	44.8	98.3	531.7	414.2	104.6	27.3	38.8	536.9	31.9
CN (EXISTING)	76	71	67	78	69	72	66	74	70	75	75	79	74	71	68
CN (PROPOSED)	76	71	67	78	69	72	66	74	70	75	75	79	74	71	68
AREA TO DRY SWALE	0.1	0.0	3.0	0.5	0.0	2.4	0.0	0.8	1.5	2.4	1.2	1.0	0.9	5.8	0.0
GRAVEL AND DRY SWALE CN	87	NA	79	84	77	84	NA	87	76	81	83	85	84	77	NA
AREA TO ANALYSIS PT	110.9	6.5	197.2	160.7	254.5	283.9	44.8	98.3	531.6	414.2	104.5	27.2	38.6	536.3	31.9

GOUND COVER	DESCRIPTION	HYDROLOGIC SOIL GROUP	CURVE NUMBER
Road and open shoulder	Paved; open ditches (w/in ROW)	A	83
		B	89
		C	92
		D	93
Crop Field	Pasture, grassland or range; fair	A	30
		B	58
		C	71
		D	78
Wooded Field Margin	Woods; poor	A	45
		B	66
		C	77
		D	83
Good Deciduous	Woods; good	A	30
		B	55
		C	70
		D	77
Fair Deciduous	Woods; fair	A	36
		B	60
		C	73
		D	79
Wetland/Surface Water	Ponds and Lake Surfaces	A	98
		B	98
		C	98
		D	98
Residential	Residential Districts; 1 acre lot; 20% imp	A	51
		B	68
		C	79
		D	84
Poor Deciduous	Woods; poor	A	45
		B	66
		C	77
		D	83
Solar Array	Pasture, grassland or range; fair	A	30
		B	58
		C	71
		D	78
Proposed Gravel Road	Gravel (w/ ROW)	A	63
		B	77
		C	84
		D	87



Subcat Reach Pond Link

Routing Diagram for Exist

Prepared by Stantec Consulting Services Inc., Printed 3/31/2021

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Time span=1.00-24.00 hrs, dt=0.05 hrs, 461 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: 1 Runoff Area=1,046.600 ac 0.00% Impervious Runoff Depth>0.33"
Flow Length=16,710' Slope=0.0270 '/' Tc=87.0 min CN=76 Runoff=105.26 cfs 28.796 af

Subcatchment 2S: 2 Runoff Area=153.300 ac 0.00% Impervious Runoff Depth>0.43"
Flow Length=4,670' Tc=51.1 min CN=79 Runoff=30.79 cfs 5.538 af

Subcatchment 3S: 3 Runoff Area=29.300 ac 0.00% Impervious Runoff Depth>0.47"
Flow Length=1,150' Tc=26.3 min CN=80 Runoff=9.28 cfs 1.159 af

Subcatchment 4S: 4 Runoff Area=567.000 ac 0.00% Impervious Runoff Depth>0.40"
Flow Length=11,900' Tc=72.6 min CN=78 Runoff=81.84 cfs 18.681 af

Subcatchment 5S: 5 Runoff Area=523.000 ac 0.00% Impervious Runoff Depth>0.23"
Flow Length=1,375' Slope=0.2200 '/' Tc=11.8 min CN=72 Runoff=71.95 cfs 10.213 af

Subcatchment 6S: 6 Runoff Area=1,007.200 ac 0.00% Impervious Runoff Depth>0.31"
Flow Length=9,785' Tc=53.1 min CN=75 Runoff=122.87 cfs 25.751 af

Subcatchment 7S: 7 Runoff Area=104.600 ac 0.00% Impervious Runoff Depth>0.28"
Flow Length=3,500' Slope=0.0900 '/' Tc=24.2 min CN=74 Runoff=15.81 cfs 2.472 af

Subcatchment 8S: 8 Runoff Area=735.000 ac 0.00% Impervious Runoff Depth>0.33"
Flow Length=8,910' Tc=92.8 min CN=76 Runoff=71.16 cfs 20.162 af

Subcatchment 9S: 9 Runoff Area=94.800 ac 0.00% Impervious Runoff Depth>0.26"
Flow Length=2,775' Tc=21.4 min CN=73 Runoff=12.79 cfs 2.037 af

Subcatchment 10S: 10 Runoff Area=24.200 ac 0.00% Impervious Runoff Depth>0.13"
Flow Length=1,385' Tc=29.0 min CN=67 Runoff=0.94 cfs 0.261 af

Subcatchment 11S: 11 Runoff Area=683.900 ac 0.00% Impervious Runoff Depth>0.16"
Flow Length=8,510' Tc=93.4 min CN=69 Runoff=23.22 cfs 9.094 af

Subcatchment 12S: 12 Runoff Area=201.700 ac 0.00% Impervious Runoff Depth>0.13"
Flow Length=5,325' Tc=49.2 min CN=67 Runoff=6.29 cfs 2.145 af

Subcatchment 13S: 13 Runoff Area=142.600 ac 0.00% Impervious Runoff Depth>0.26"
Flow Length=4,230' Tc=36.3 min CN=73 Runoff=15.67 cfs 3.039 af

Subcatchment 14S: 14 Runoff Area=92.500 ac 0.00% Impervious Runoff Depth>0.34"
Flow Length=3,010' Tc=42.3 min CN=76 Runoff=14.49 cfs 2.602 af

Subcatchment 15S: 15 Runoff Area=85.900 ac 0.00% Impervious Runoff Depth>0.34"
Flow Length=1,410' Tc=22.6 min CN=76 Runoff=18.05 cfs 2.439 af

Subcatchment 16S: 16 Runoff Area=111.000 ac 0.00% Impervious Runoff Depth>0.34"
Flow Length=3,030' Tc=32.3 min CN=76 Runoff=19.76 cfs 3.138 af

Subcatchment 17S: 17 Runoff Area=6.500 ac 0.00% Impervious Runoff Depth>0.21"
Flow Length=680' Slope=0.2000 '/' Tc=11.1 min CN=71 Runoff=0.74 cfs 0.114 af

Subcatchment 18S: 18 Runoff Area=200.200 ac 0.00% Impervious Runoff Depth>0.13"
Flow Length=4,345' Tc=42.4 min CN=67 Runoff=6.70 cfs 2.140 af

Subcatchment 19S: 19 Runoff Area=161.200 ac 0.00% Impervious Runoff Depth>0.40"
Flow Length=1,050' Tc=25.9 min CN=78 Runoff=41.17 cfs 5.424 af

Subcatchment 20S: 20 Runoff Area=254.500 ac 0.00% Impervious Runoff Depth>0.17"
Flow Length=5,825' Tc=34.2 min CN=69 Runoff=14.24 cfs 3.522 af

Subcatchment 21S: 21 Runoff Area=286.300 ac 0.00% Impervious Runoff Depth>0.23"
Flow Length=6,035' Tc=31.9 min CN=72 Runoff=28.19 cfs 5.529 af

Subcatchment 22S: 22 Runoff Area=44.800 ac 0.00% Impervious Runoff Depth>0.11"
Flow Length=2,185' Tc=15.8 min CN=66 Runoff=1.61 cfs 0.425 af

Subcatchment 23S: 23 Runoff Area=99.100 ac 0.00% Impervious Runoff Depth>0.28"
Flow Length=2,880' Tc=38.7 min CN=74 Runoff=12.33 cfs 2.324 af

Subcatchment 24S: 24 Runoff Area=533.100 ac 0.00% Impervious Runoff Depth>0.18"
Flow Length=12,990' Tc=65.9 min CN=70 Runoff=26.29 cfs 8.123 af

Subcatchment 25S: 25 Runoff Area=416.600 ac 0.00% Impervious Runoff Depth>0.31"
Flow Length=7,355' Tc=46.0 min CN=75 Runoff=54.71 cfs 10.689 af

Subcatchment 26S: 26 Runoff Area=105.700 ac 0.00% Impervious Runoff Depth>0.31"
Flow Length=1,875' Tc=25.0 min CN=75 Runoff=18.30 cfs 2.740 af

Subcatchment 27S: 27 Runoff Area=28.200 ac 0.00% Impervious Runoff Depth>0.44"
Flow Length=1,470' Tc=39.7 min CN=79 Runoff=6.47 cfs 1.024 af

Subcatchment 28S: 28 Runoff Area=39.500 ac 0.00% Impervious Runoff Depth>0.28"
Flow Length=2,680' Slope=0.1300 '/' Tc=19.5 min CN=74 Runoff=6.53 cfs 0.936 af

Subcatchment 29S: 29 Runoff Area=542.100 ac 0.00% Impervious Runoff Depth>0.20"
Flow Length=10,730' Tc=67.0 min CN=71 Runoff=31.80 cfs 9.227 af

Subcatchment 30S: 30 Runoff Area=31.900 ac 0.00% Impervious Runoff Depth>0.15"
Flow Length=1,210' Tc=35.4 min CN=68 Runoff=1.44 cfs 0.390 af

Link 1L: A Inflow=105.26 cfs 28.796 af
Primary=105.26 cfs 28.796 af

Link 2L: B Inflow=30.79 cfs 5.538 af
Primary=30.79 cfs 5.538 af

Link 3L: C Inflow=9.28 cfs 1.159 af
Primary=9.28 cfs 1.159 af

Link 4L: D Inflow=81.84 cfs 18.681 af
Primary=81.84 cfs 18.681 af

Link 5L: E
Inflow=71.95 cfs 10.213 af
Primary=71.95 cfs 10.213 af

Link 6L: F
Inflow=122.87 cfs 25.751 af
Primary=122.87 cfs 25.751 af

Link 7L: G
Inflow=15.81 cfs 2.472 af
Primary=15.81 cfs 2.472 af

Link 8L: H
Inflow=71.16 cfs 20.162 af
Primary=71.16 cfs 20.162 af

Link 9L: I
Inflow=12.79 cfs 2.037 af
Primary=12.79 cfs 2.037 af

Link 10L: J
Inflow=0.94 cfs 0.261 af
Primary=0.94 cfs 0.261 af

Link 11L: K
Inflow=23.22 cfs 9.094 af
Primary=23.22 cfs 9.094 af

Link 12L: L
Inflow=6.29 cfs 2.145 af
Primary=6.29 cfs 2.145 af

Link 13L: M
Inflow=15.67 cfs 3.039 af
Primary=15.67 cfs 3.039 af

Link 14L: N
Inflow=14.49 cfs 2.602 af
Primary=14.49 cfs 2.602 af

Link 15L: O
Inflow=18.05 cfs 2.439 af
Primary=18.05 cfs 2.439 af

Link 16L: P
Inflow=19.76 cfs 3.138 af
Primary=19.76 cfs 3.138 af

Link 17L: Q
Inflow=0.74 cfs 0.114 af
Primary=0.74 cfs 0.114 af

Link 18L: R
Inflow=6.70 cfs 2.140 af
Primary=6.70 cfs 2.140 af

Link 19L: S
Inflow=41.17 cfs 5.424 af
Primary=41.17 cfs 5.424 af

Link 20L: T
Inflow=14.24 cfs 3.522 af
Primary=14.24 cfs 3.522 af

Link 21L: U
Inflow=28.19 cfs 5.529 af
Primary=28.19 cfs 5.529 af

Link 22L: V Inflow=1.61 cfs 0.425 af
Primary=1.61 cfs 0.425 af

Link 23L: W Inflow=12.33 cfs 2.324 af
Primary=12.33 cfs 2.324 af

Link 24L: X Inflow=26.29 cfs 8.123 af
Primary=26.29 cfs 8.123 af

Link 25L: Y Inflow=54.71 cfs 10.689 af
Primary=54.71 cfs 10.689 af

Link 26L: Z Inflow=18.30 cfs 2.740 af
Primary=18.30 cfs 2.740 af

Link 27L: AA Inflow=6.47 cfs 1.024 af
Primary=6.47 cfs 1.024 af

Link 28L: BB Inflow=6.53 cfs 0.936 af
Primary=6.53 cfs 0.936 af

Link 29L: CC Inflow=31.80 cfs 9.227 af
Primary=31.80 cfs 9.227 af

Link 30L: DD Inflow=1.44 cfs 0.390 af
Primary=1.44 cfs 0.390 af

Total Runoff Area = 8,352.300 ac Runoff Volume = 190.133 af Average Runoff Depth = 0.27"
100.00% Pervious = 8,352.300 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: 1

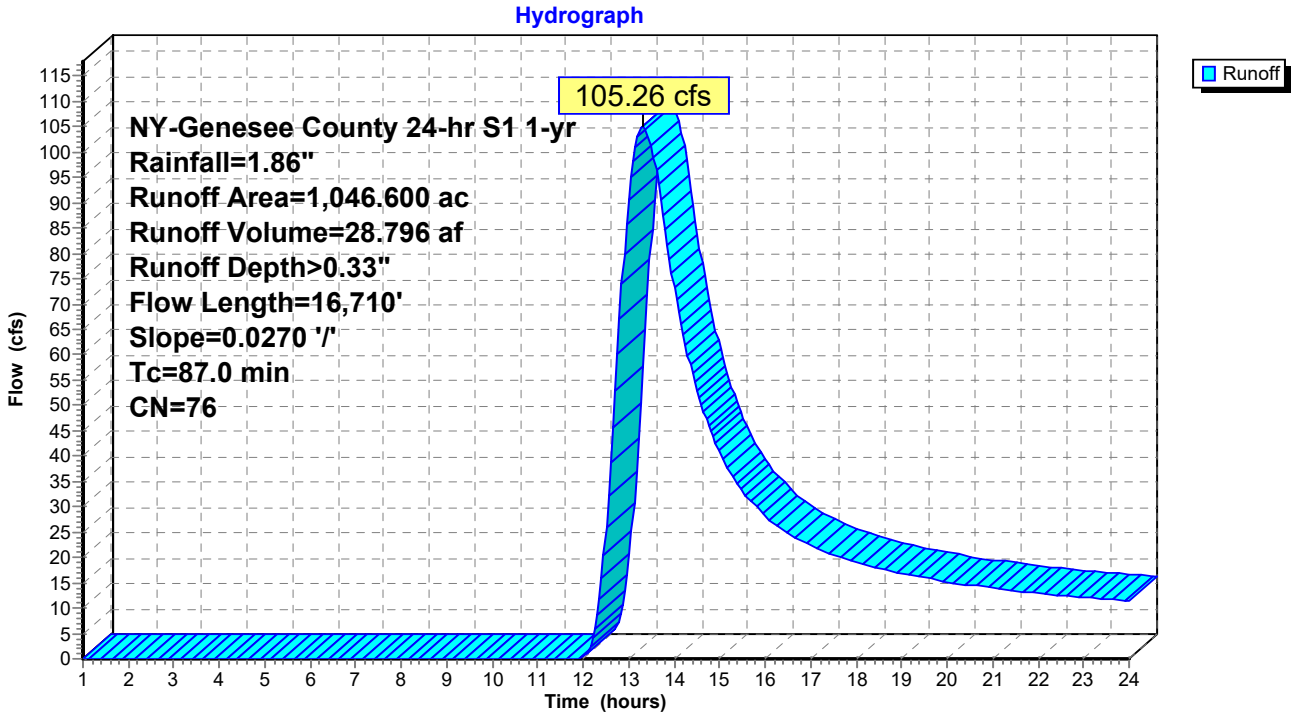
Runoff = 105.26 cfs @ 13.33 hrs, Volume= 28.796 af, Depth> 0.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	1,046.600	76	
	1,046.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
55.2	16,560		5.00		**Direct Entry,**
87.0	16,710	Total			

Subcatchment 1S: 1



Summary for Subcatchment 2S: 2

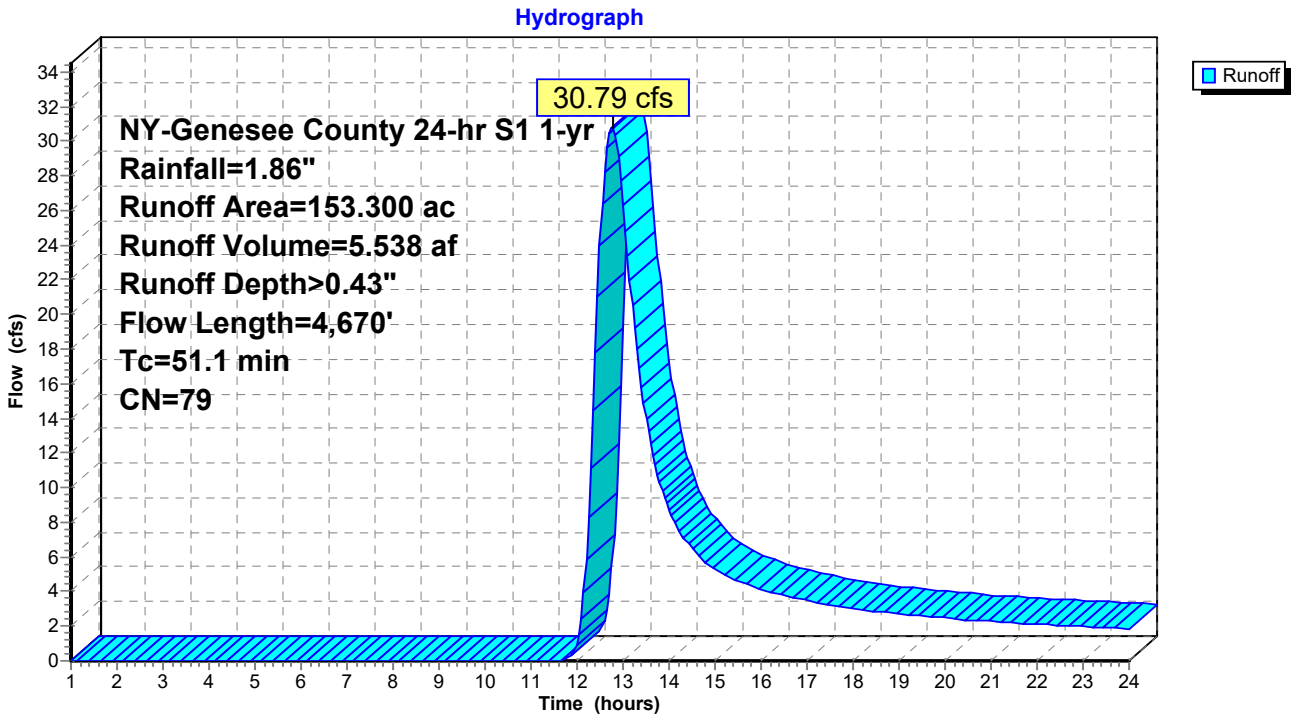
Runoff = 30.79 cfs @ 12.76 hrs, Volume= 5.538 af, Depth> 0.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	153.300	79	
	153.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.9	2,300	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.4	2,220		5.00		**Direct Entry,**
51.1	4,670	Total			

Subcatchment 2S: 2



Summary for Subcatchment 3S: 3

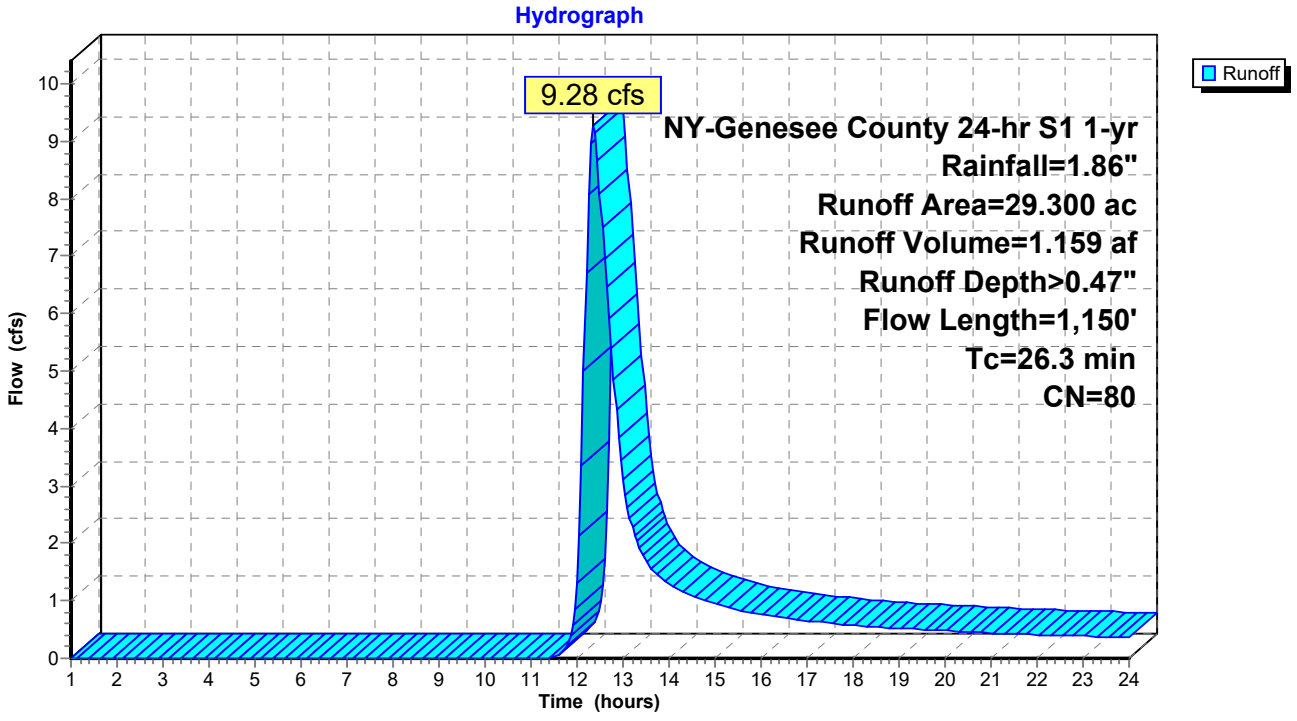
Runoff = 9.28 cfs @ 12.36 hrs, Volume= 1.159 af, Depth> 0.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	29.300	80	
	29.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,000	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
26.3	1,150	Total			

Subcatchment 3S: 3



Summary for Subcatchment 4S: 4

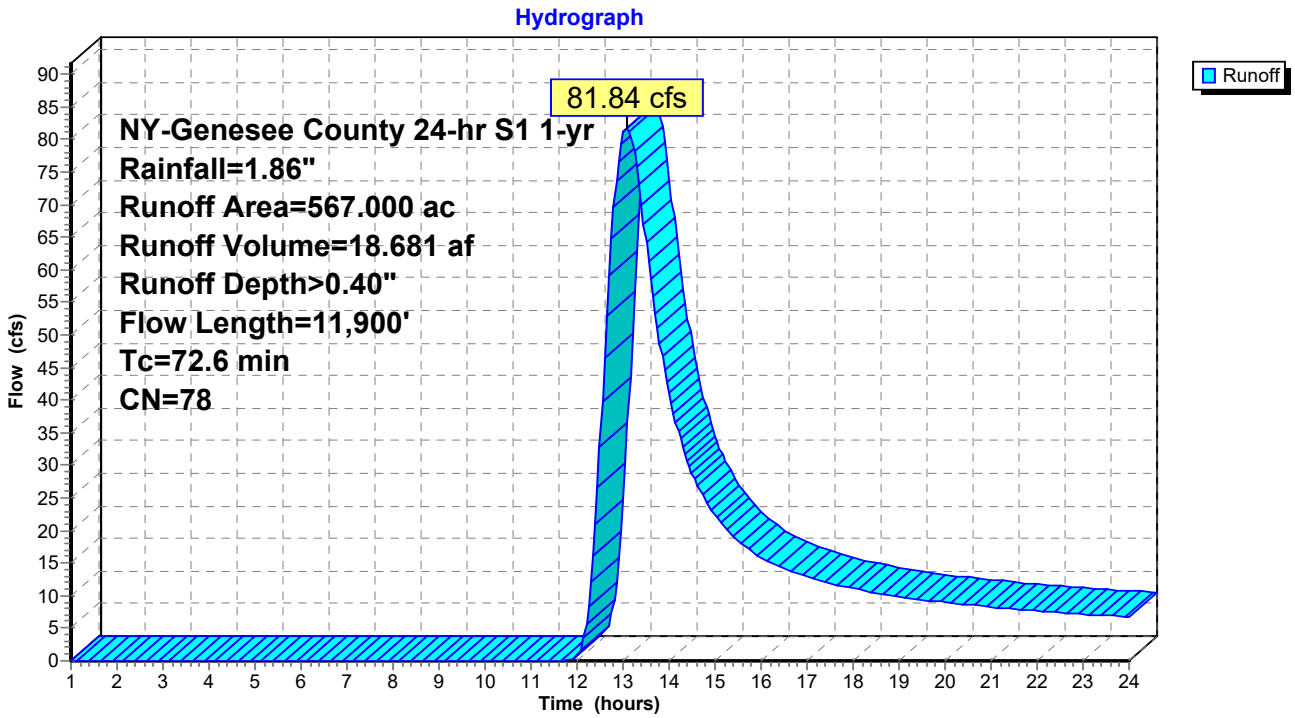
Runoff = 81.84 cfs @ 13.08 hrs, Volume= 18.681 af, Depth> 0.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	567.000	78	
	567.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
27.1	150	0.0400	0.09		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.7	1,600	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
33.8	10,150		5.00		**Direct Entry,**
72.6	11,900	Total			

Subcatchment 4S: 4



Summary for Subcatchment 5S: 5

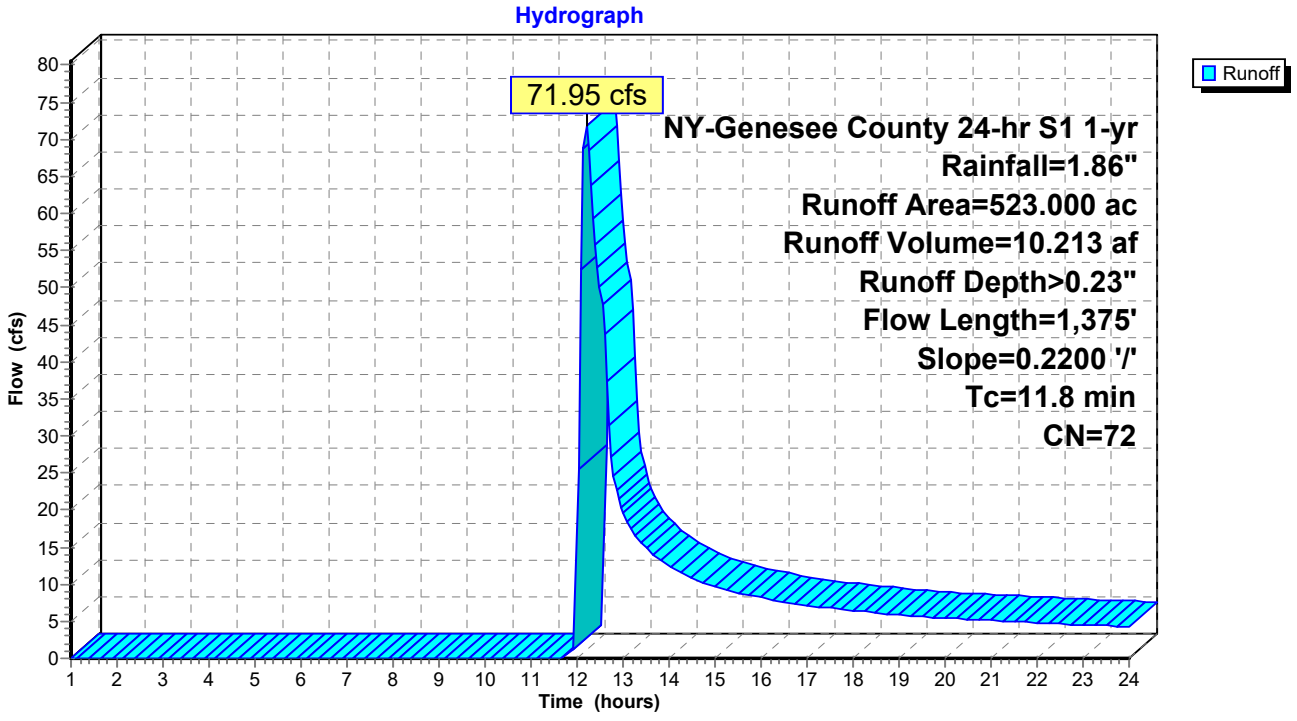
Runoff = 71.95 cfs @ 12.20 hrs, Volume= 10.213 af, Depth> 0.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	523.000	72	
	523.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	150	0.2200	0.27		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	1,225	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.8	1,375	Total			

Subcatchment 5S: 5



Summary for Subcatchment 6S: 6

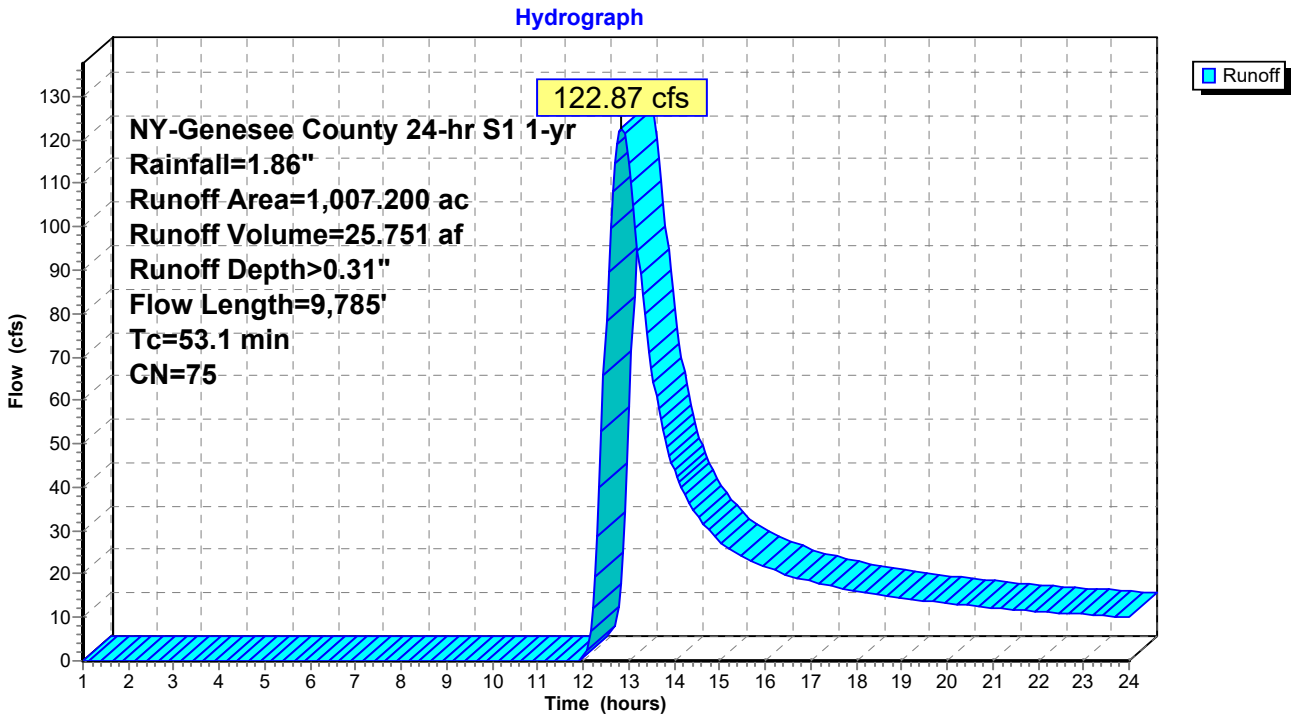
Runoff = 122.87 cfs @ 12.85 hrs, Volume= 25.751 af, Depth> 0.31"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	1,007.200	75	
	1,007.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.7	1,450	0.1000	5.09		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
27.3	8,185		5.00		**Direct Entry,**
53.1	9,785	Total			

Subcatchment 6S: 6



Summary for Subcatchment 7S: 7

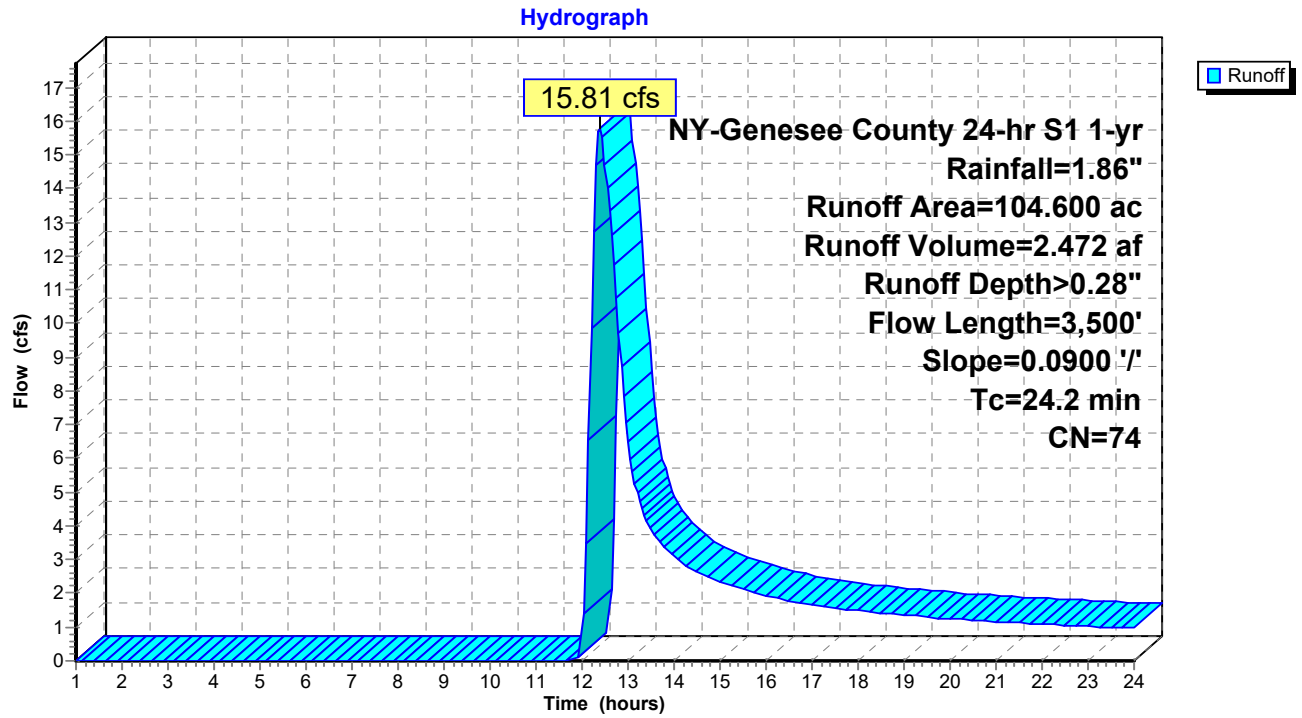
Runoff = 15.81 cfs @ 12.38 hrs, Volume= 2.472 af, Depth> 0.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	104.600	74	
	104.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	500	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
9.5	2,850		5.00		**Direct Entry,**
24.2	3,500	Total			

Subcatchment 7S: 7



Summary for Subcatchment 8S: 8

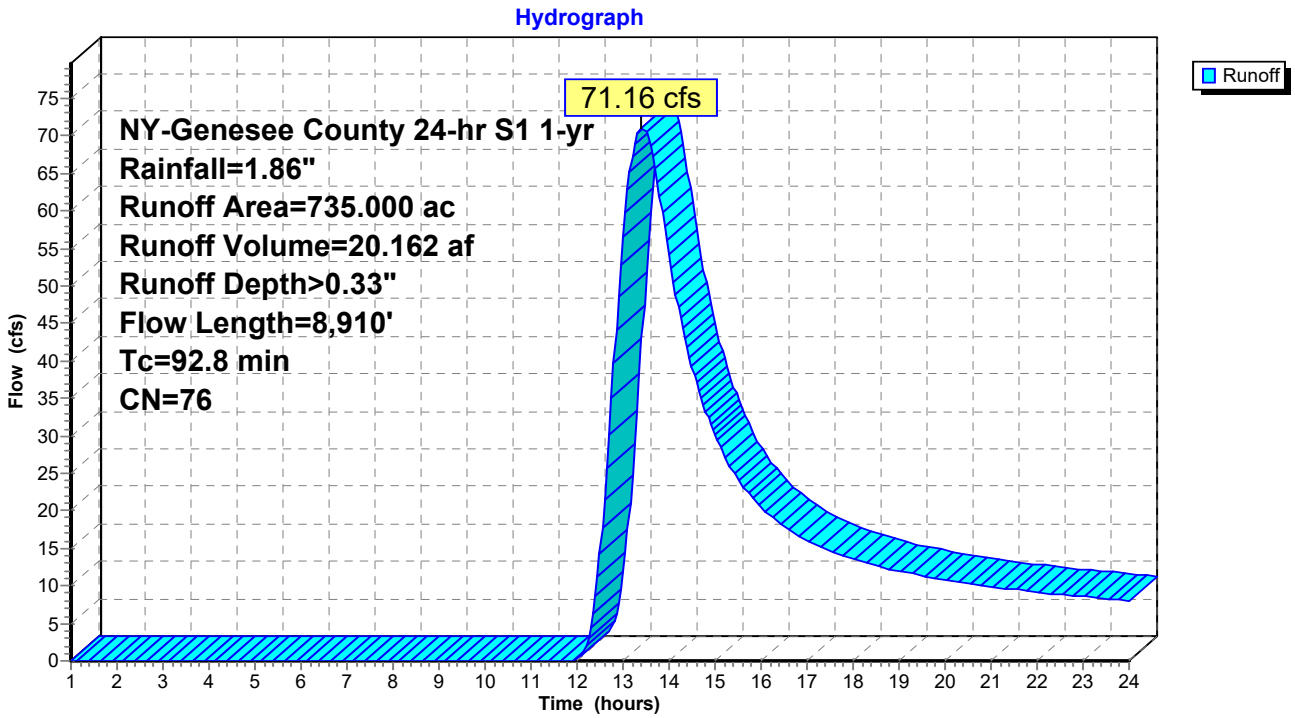
Runoff = 71.16 cfs @ 13.41 hrs, Volume= 20.162 af, Depth> 0.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	735.000	76	
	735.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
47.3	150	0.0100	0.05		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
30.0	4,100	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
15.5	4,660		5.00		**Direct Entry,**
92.8	8,910	Total			

Subcatchment 8S: 8



Summary for Subcatchment 9S: 9

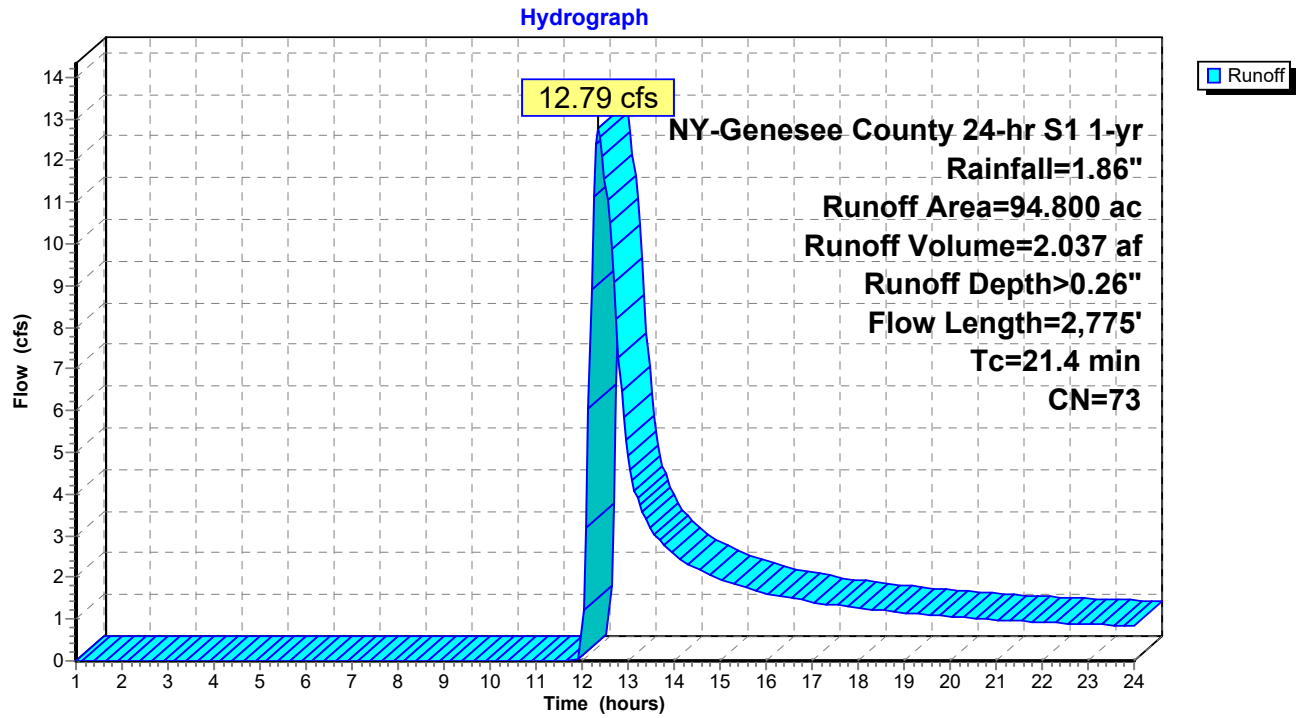
Runoff = 12.79 cfs @ 12.36 hrs, Volume= 2.037 af, Depth> 0.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	94.800	73	
	94.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	625	0.1500	6.24		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.7	2,000		5.00		**Direct Entry,**
21.4	2,775	Total			

Subcatchment 9S: 9



Summary for Subcatchment 10S: 10

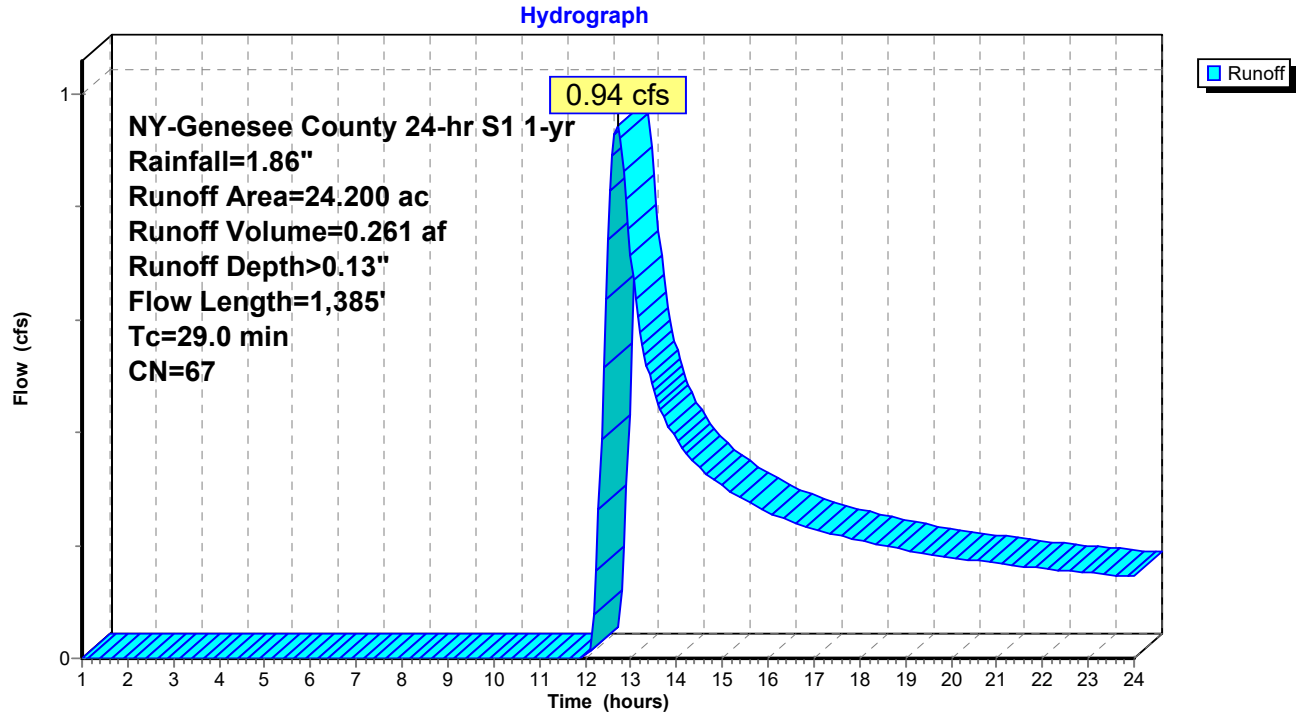
Runoff = 0.94 cfs @ 12.71 hrs, Volume= 0.261 af, Depth> 0.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	24.200	67	
	24.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,235	0.0600	3.94		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
29.0	1,385	Total			

Subcatchment 10S: 10



Summary for Subcatchment 11S: 11

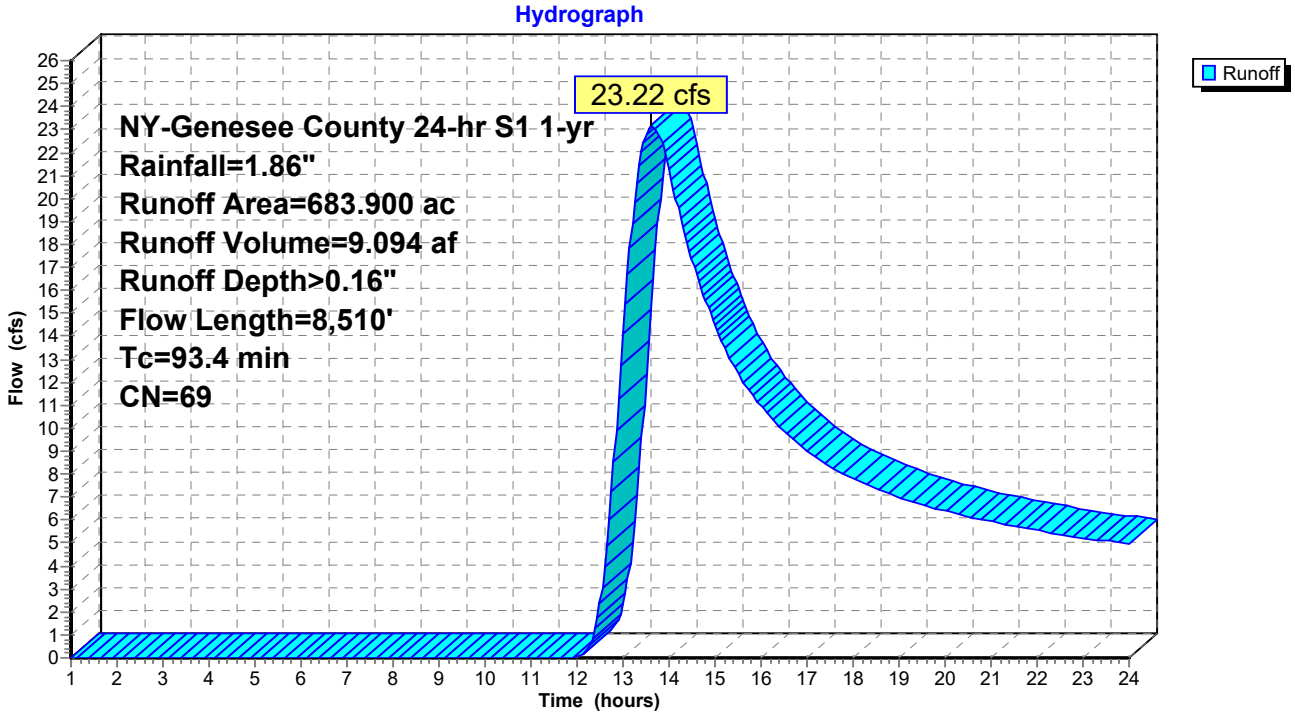
Runoff = 23.22 cfs @ 13.62 hrs, Volume= 9.094 af, Depth> 0.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	683.900	69	
	683.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.1	30	0.3300	0.23		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
64.2	6,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.2	2,160		5.00		**Direct Entry,**
93.4	8,510	Total			

Subcatchment 11S: 11



Summary for Subcatchment 12S: 12

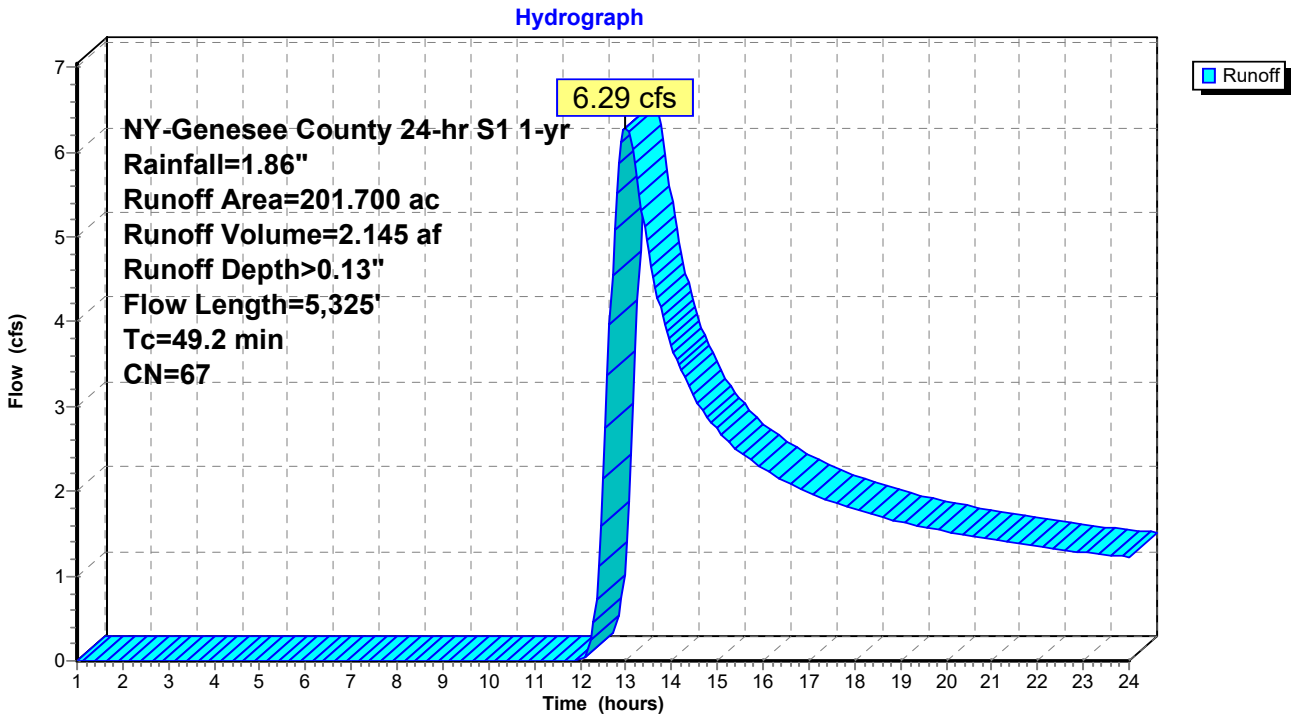
Runoff = 6.29 cfs @ 13.00 hrs, Volume= 2.145 af, Depth> 0.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	201.700	67	
	201.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.6	1,810	0.0800	4.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.2	3,365		5.00		**Direct Entry,**
49.2	5,325	Total			

Subcatchment 12S: 12



Summary for Subcatchment 13S: 13

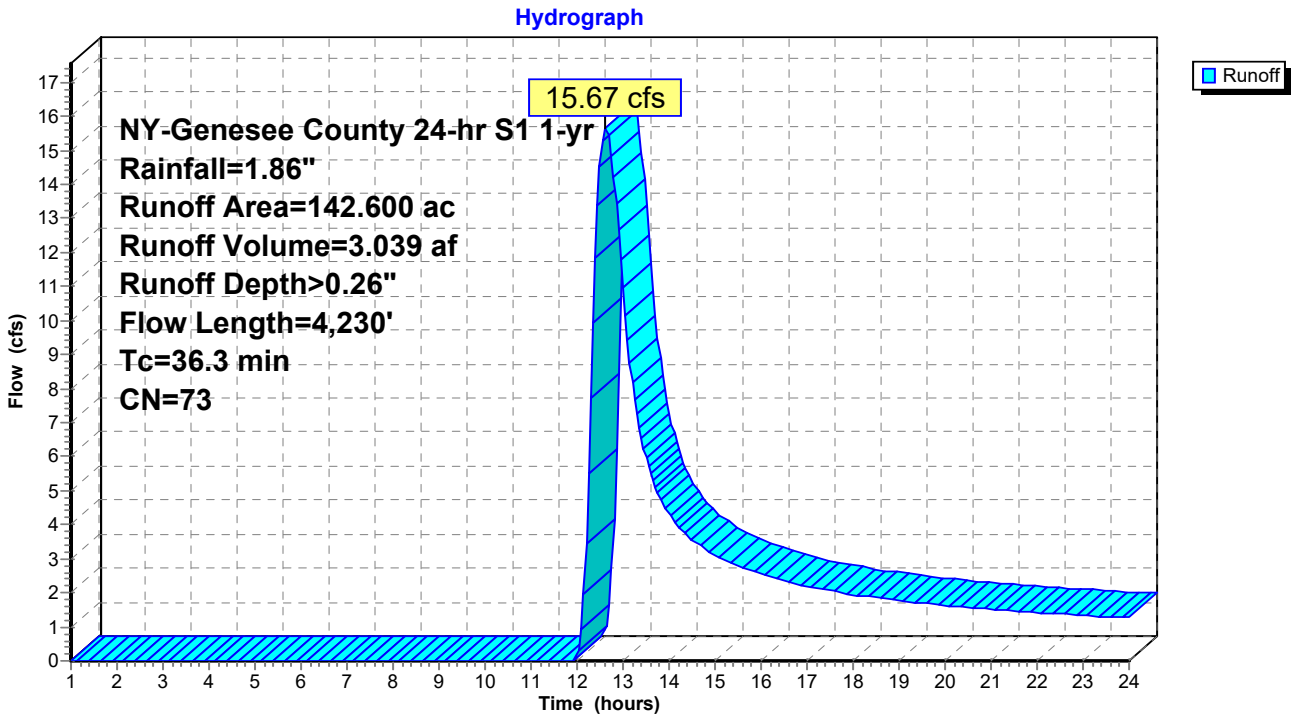
Runoff = 15.67 cfs @ 12.62 hrs, Volume= 3.039 af, Depth> 0.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	142.600	73	
	142.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.6	150	0.0100	0.12		**Sheet Flow,** Grass: Short n= 0.150 P2= 2.20"
2.8	510	0.0350	3.01		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.9	3,570		5.00		**Direct Entry,**
36.3	4,230	Total			

Subcatchment 13S: 13



Summary for Subcatchment 14S: 14

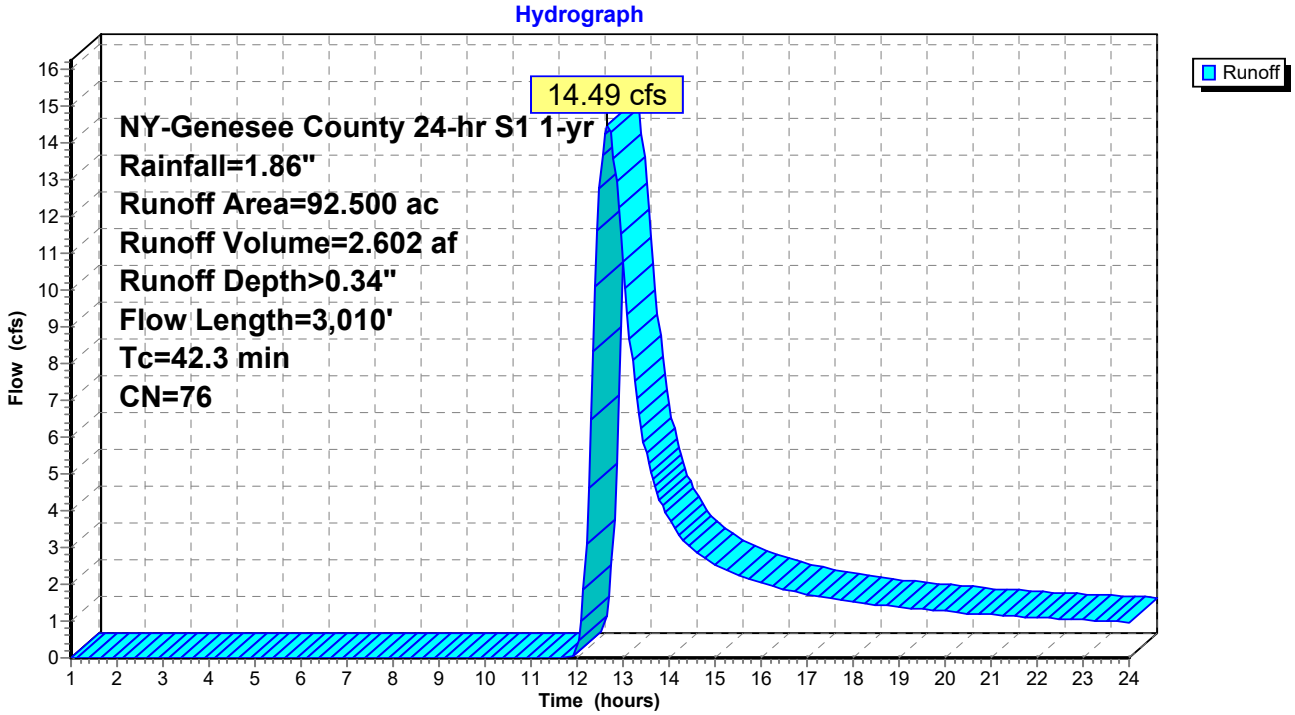
Runoff = 14.49 cfs @ 12.67 hrs, Volume= 2.602 af, Depth> 0.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	92.500	76	
	92.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.8	1,040	0.0500	3.60		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.1	1,820		5.00		**Direct Entry,**
42.3	3,010	Total			

Subcatchment 14S: 14



Summary for Subcatchment 15S: 15

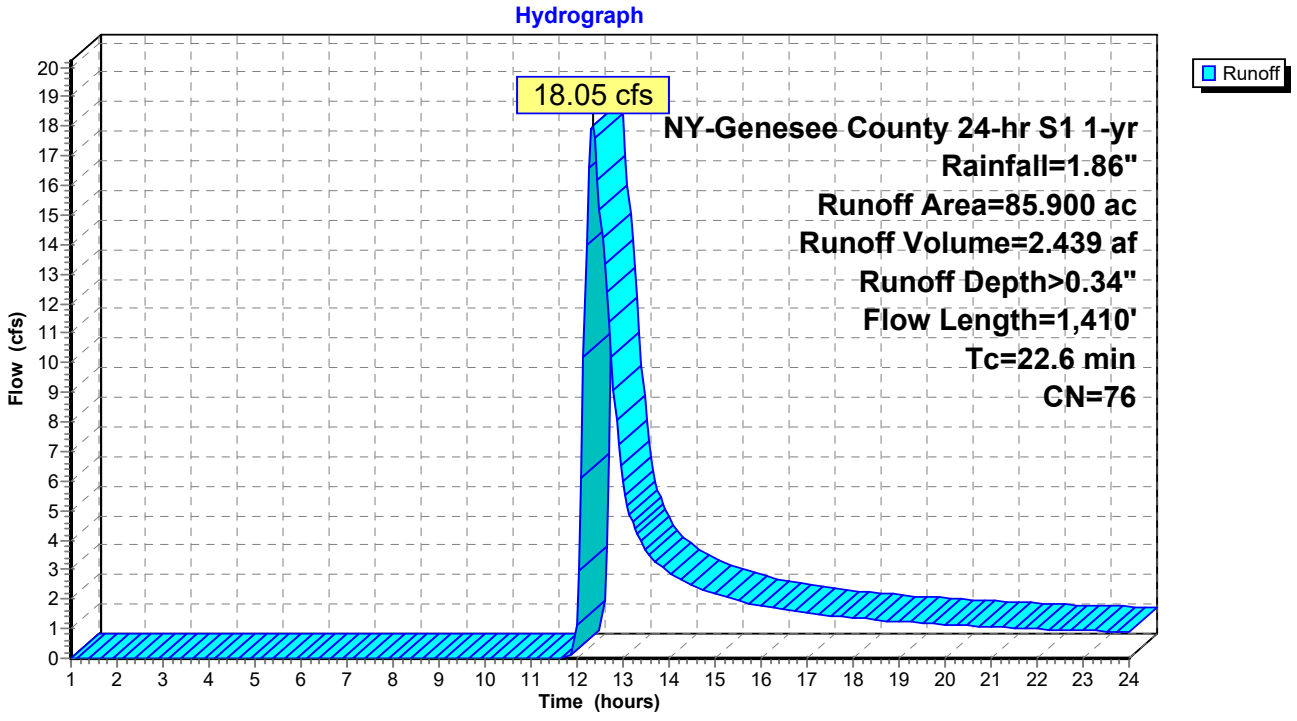
Runoff = 18.05 cfs @ 12.33 hrs, Volume= 2.439 af, Depth> 0.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	85.900	76	
	85.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.1	150	0.0530	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	1,260	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
22.6	1,410	Total			

Subcatchment 15S: 15



Summary for Subcatchment 16S: 16

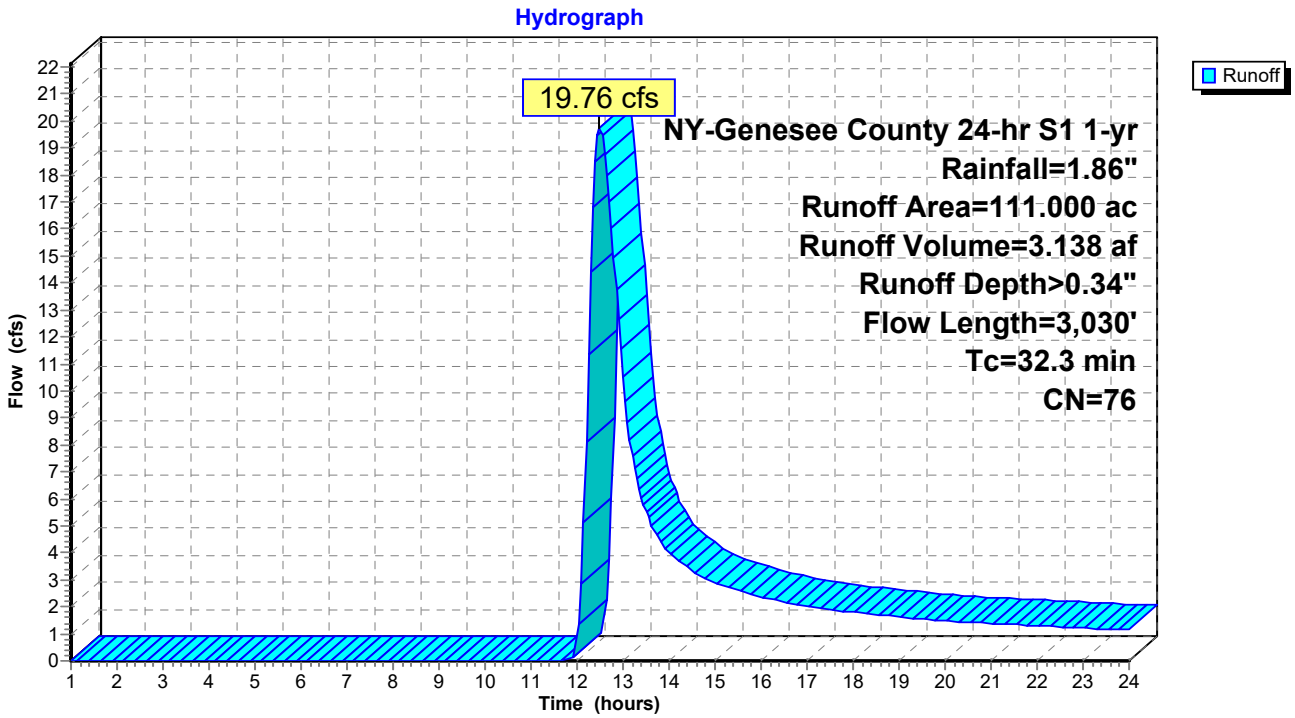
Runoff = 19.76 cfs @ 12.50 hrs, Volume= 3.138 af, Depth> 0.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	111.000	76	
	111.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.5	150	0.0500	0.15		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
14.0	2,350	0.0300	2.79		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	530		5.00		**Direct Entry,**
32.3	3,030	Total			

Subcatchment 16S: 16



Summary for Subcatchment 17S: 17

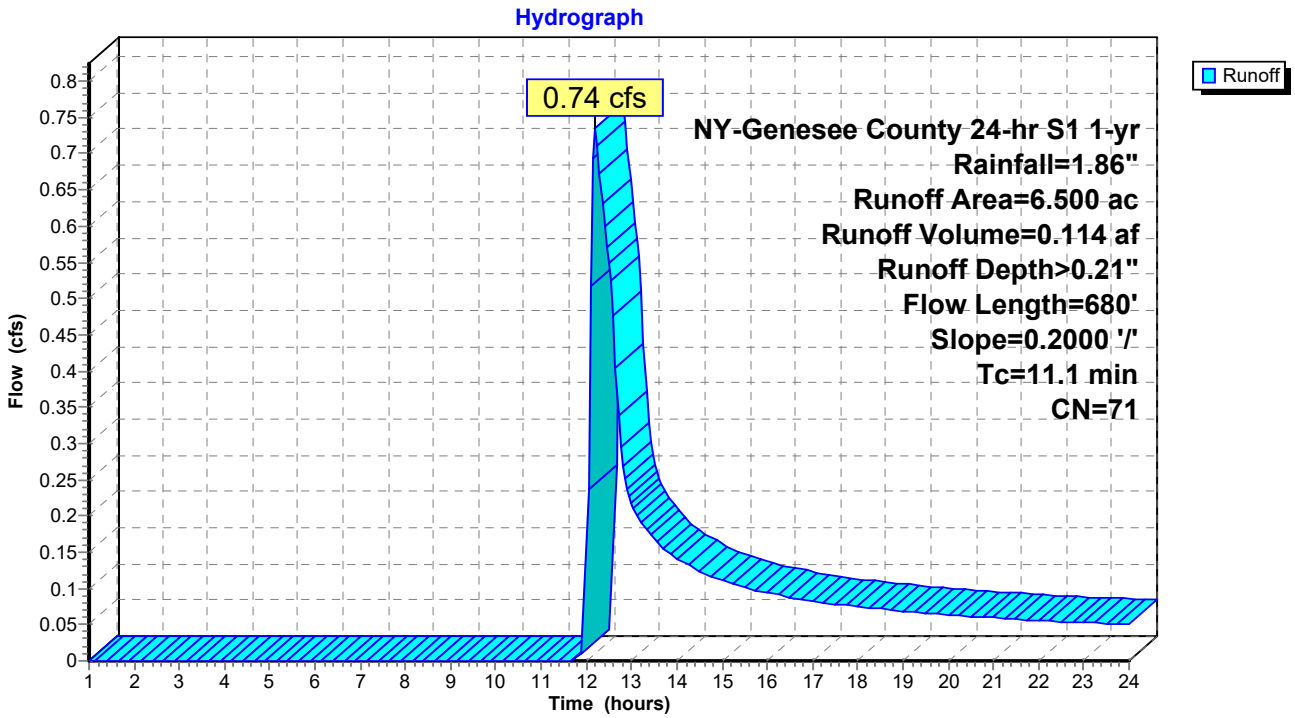
Runoff = 0.74 cfs @ 12.21 hrs, Volume= 0.114 af, Depth> 0.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	6.500	71	
	6.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
0.3	150	0.2000	7.20		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	380		5.00		**Direct Entry,**
11.1	680	Total			

Subcatchment 17S: 17



Summary for Subcatchment 18S: 18

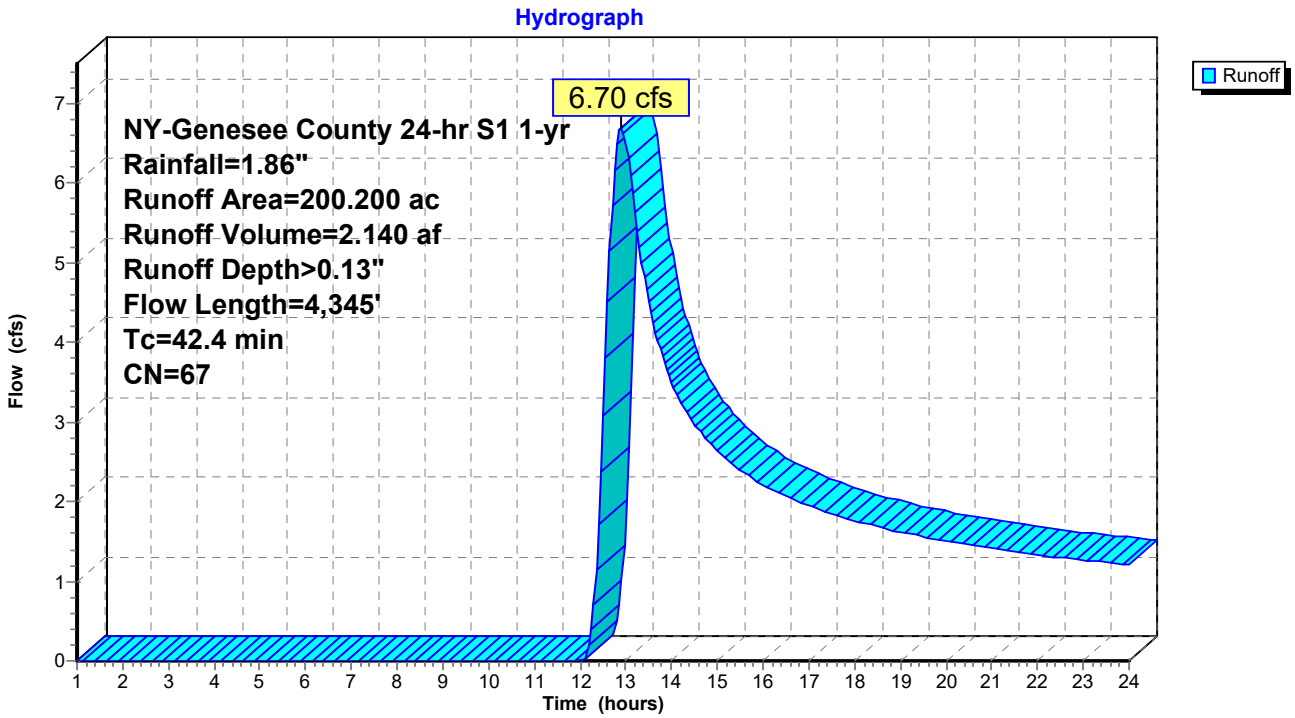
Runoff = 6.70 cfs @ 12.89 hrs, Volume= 2.140 af, Depth> 0.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	200.200	67	
	200.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.5	150	0.0330	0.13		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
16.3	2,225	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.6	1,970		5.00		**Direct Entry,**
42.4	4,345	Total			

Subcatchment 18S: 18



Summary for Subcatchment 19S: 19

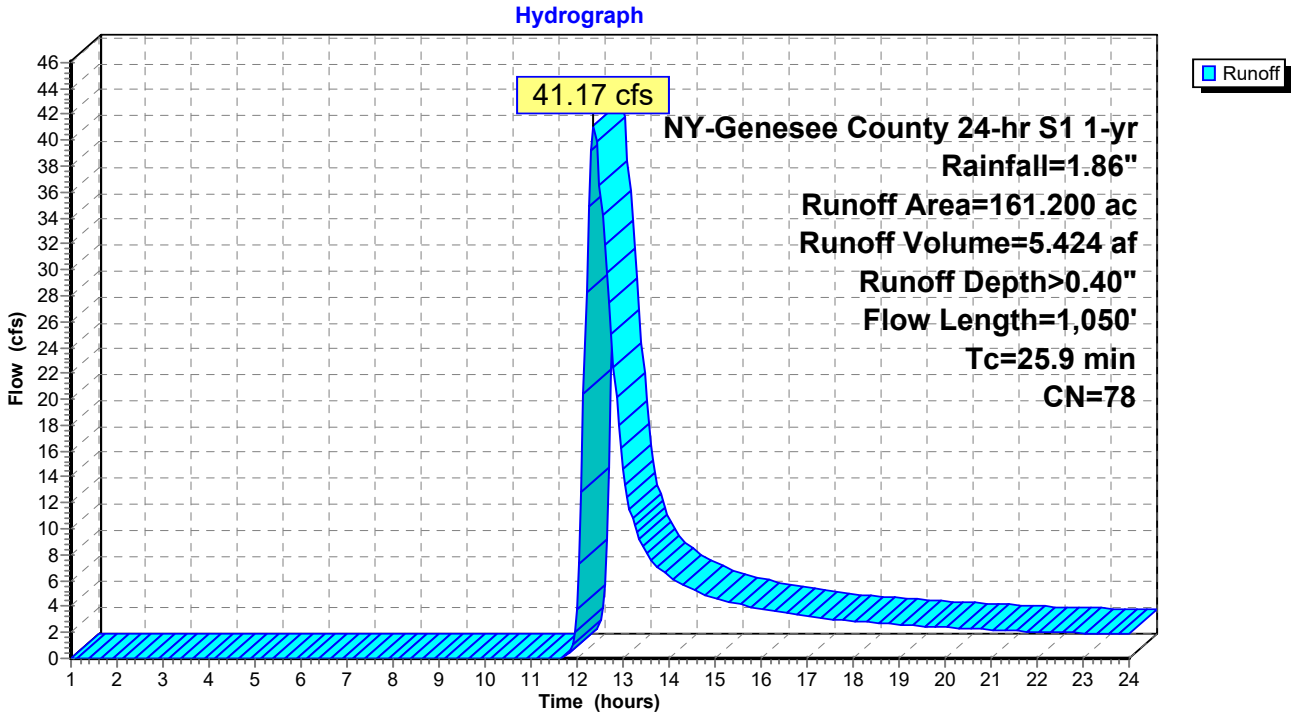
Runoff = 41.17 cfs @ 12.37 hrs, Volume= 5.424 af, Depth> 0.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	161.200	78	
	161.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.9	30	0.1500	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
3.1	900	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
25.9	1,050	Total			

Subcatchment 19S: 19



Summary for Subcatchment 20S: 20

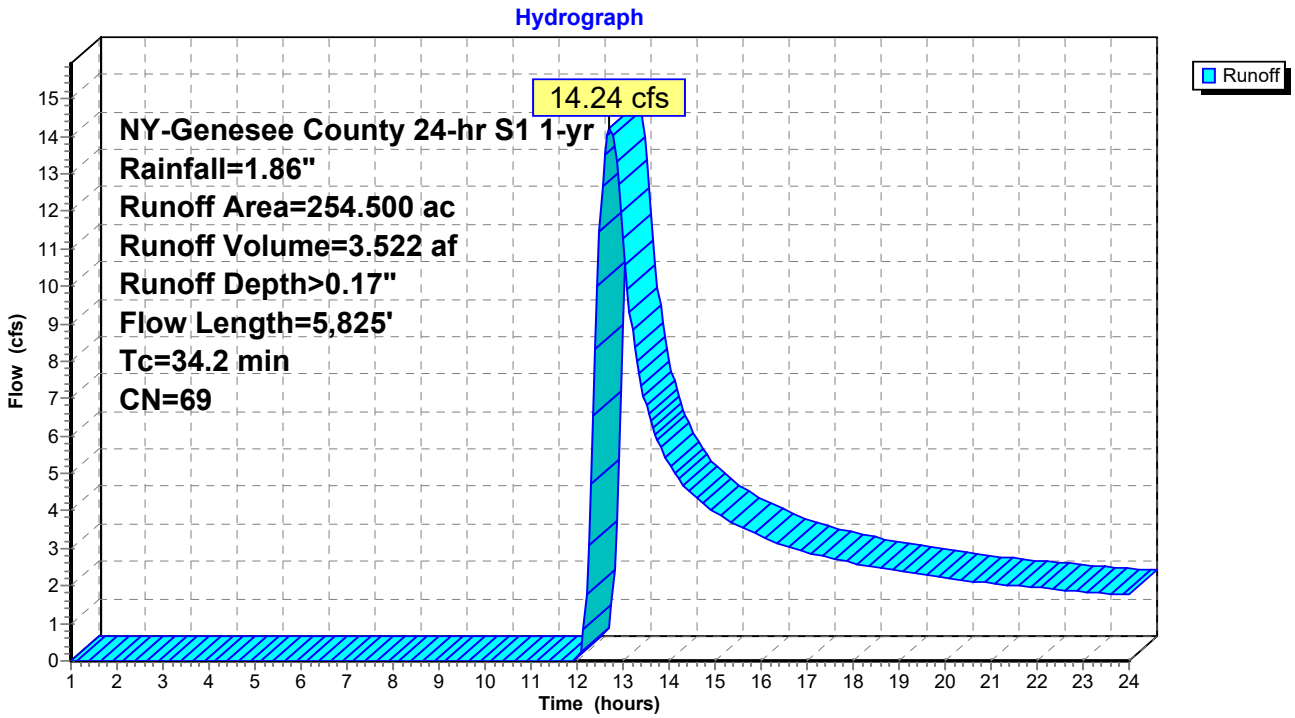
Runoff = 14.24 cfs @ 12.71 hrs, Volume= 3.522 af, Depth> 0.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	254.500	69	
	254.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	150	0.1000	0.20		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.8	1,500	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
13.9	4,175		5.00		**Direct Entry,**
34.2	5,825	Total			

Subcatchment 20S: 20



Summary for Subcatchment 21S: 21

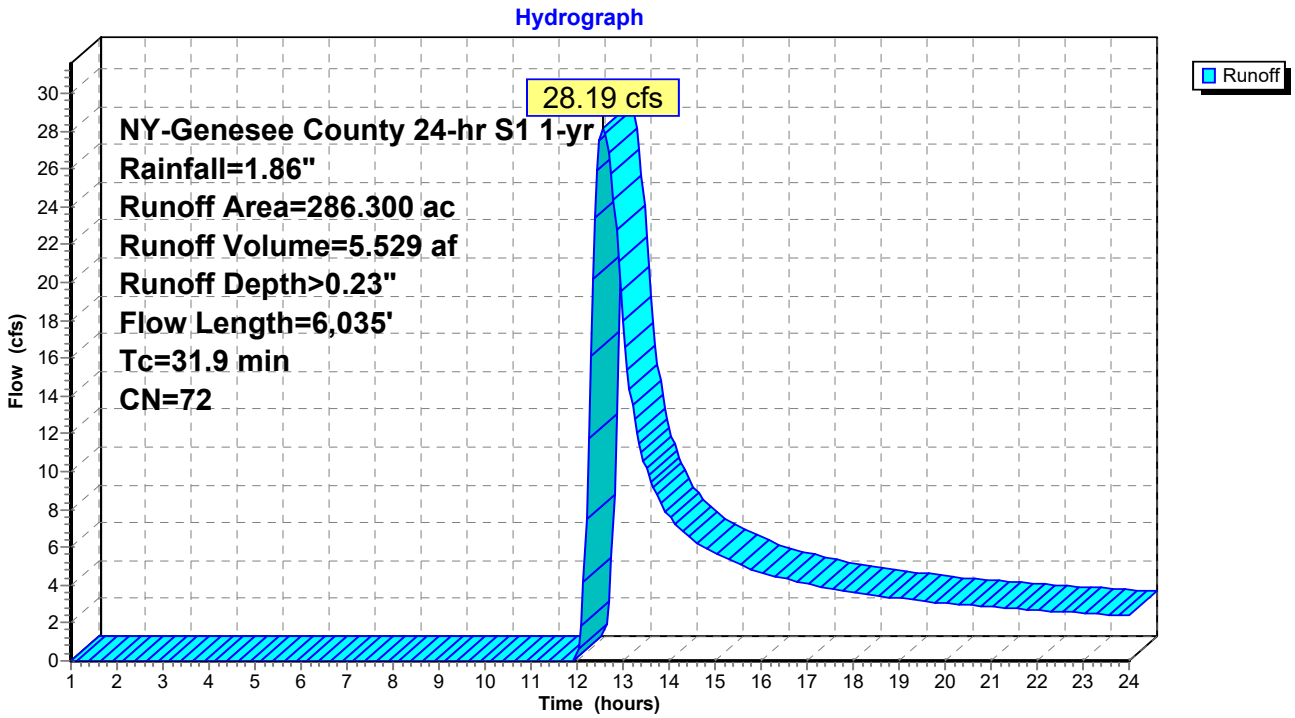
Runoff = 28.19 cfs @ 12.58 hrs, Volume= 5.529 af, Depth> 0.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	286.300	72	
	286.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.5	2,260	0.0750	4.41		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
12.1	3,625		5.00		**Direct Entry,**
31.9	6,035	Total			

Subcatchment 21S: 21



Summary for Subcatchment 22S: 22

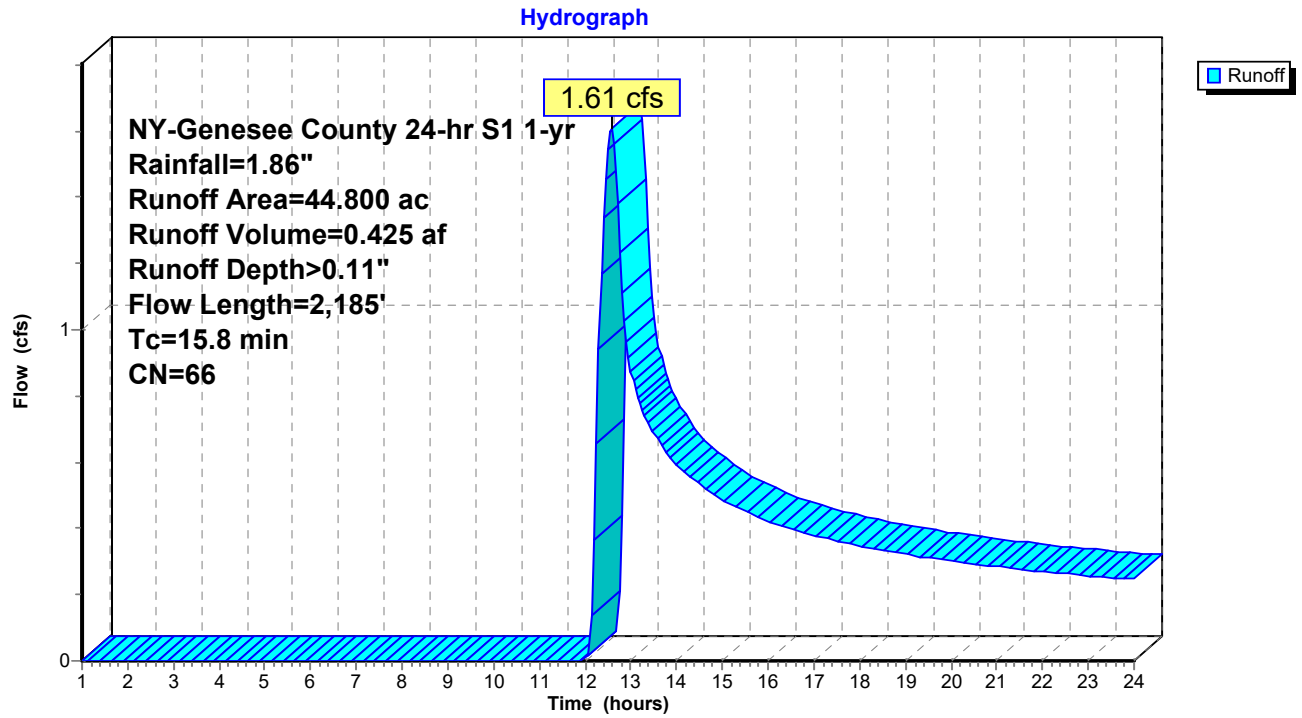
Runoff = 1.61 cfs @ 12.58 hrs, Volume= 0.425 af, Depth> 0.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	44.800	66	
	44.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.0	460	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
5.2	1,575		5.00		**Direct Entry,**
15.8	2,185	Total			

Subcatchment 22S: 22



Summary for Subcatchment 23S: 23

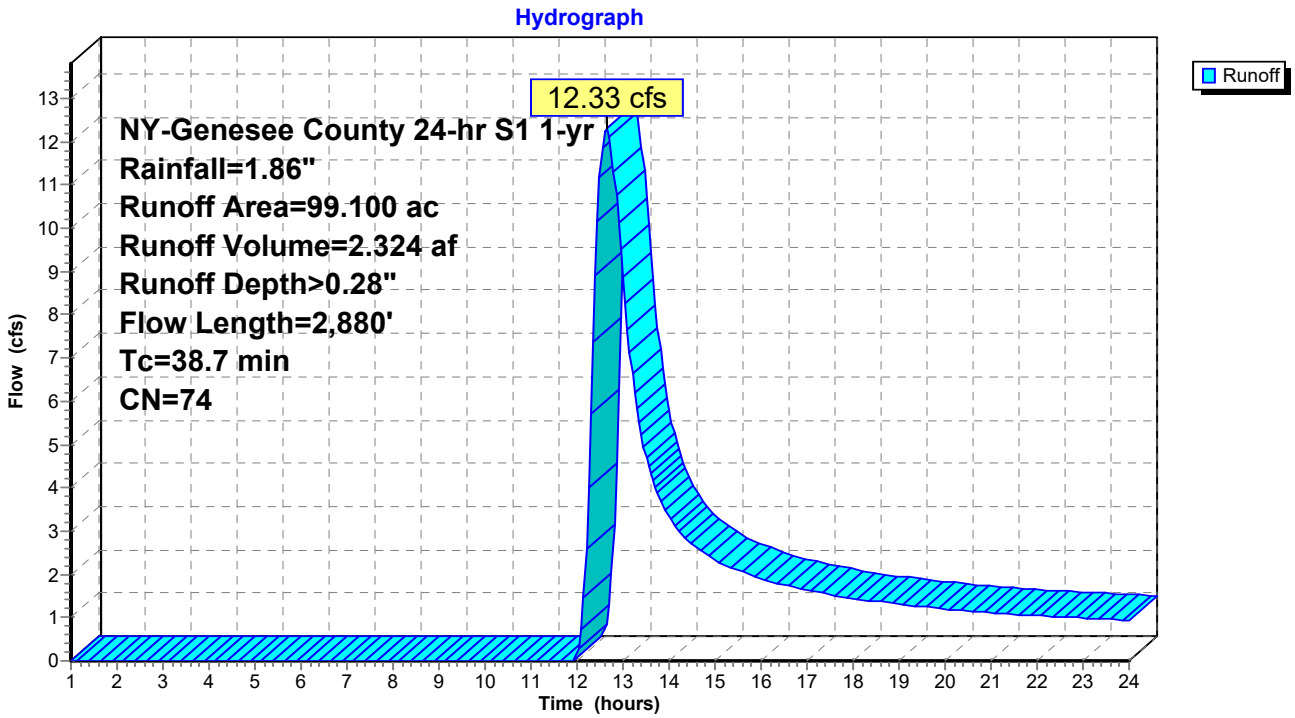
Runoff = 12.33 cfs @ 12.64 hrs, Volume= 2.324 af, Depth> 0.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	99.100	74	
	99.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
11.8	1,800	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
3.1	930		5.00		**Direct Entry,**
38.7	2,880	Total			

Subcatchment 23S: 23



Summary for Subcatchment 24S: 24

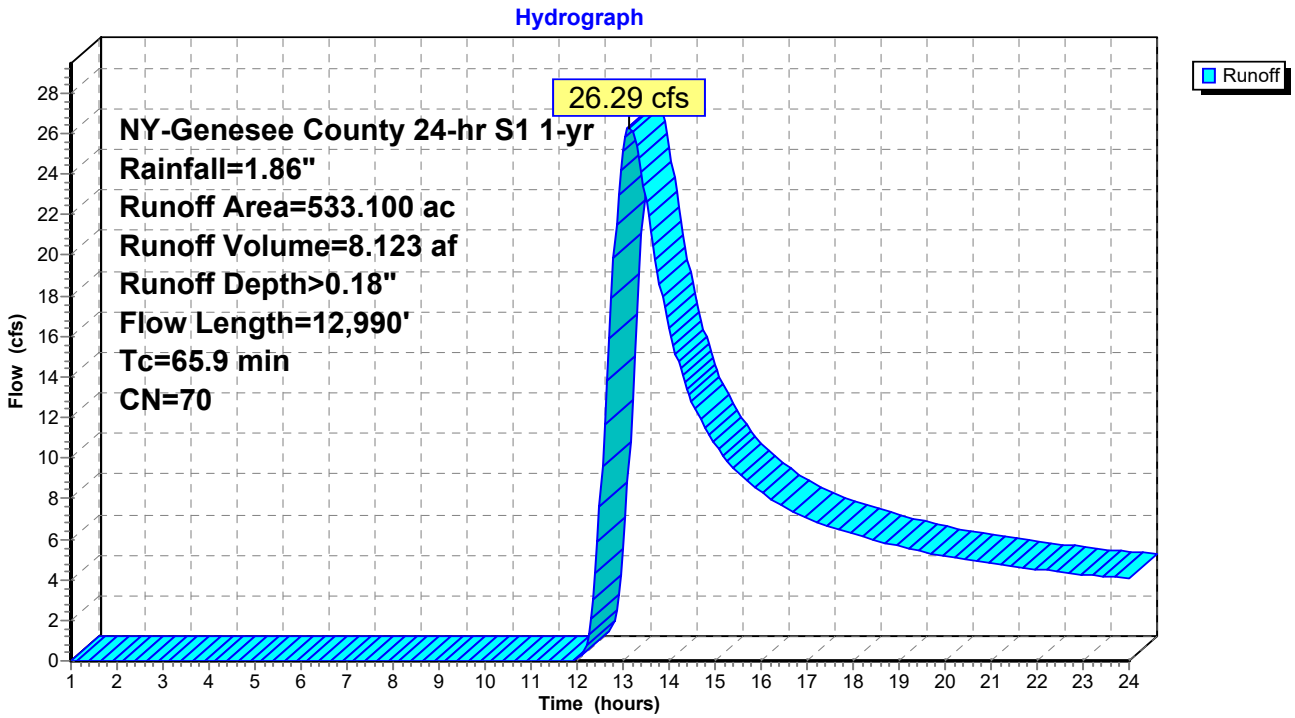
Runoff = 26.29 cfs @ 13.14 hrs, Volume= 8.123 af, Depth> 0.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	533.100	70	
	533.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.7	150	0.0670	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
12.4	1,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
38.8	11,640		5.00		**Direct Entry,**
65.9	12,990	Total			

Subcatchment 24S: 24



Summary for Subcatchment 25S: 25

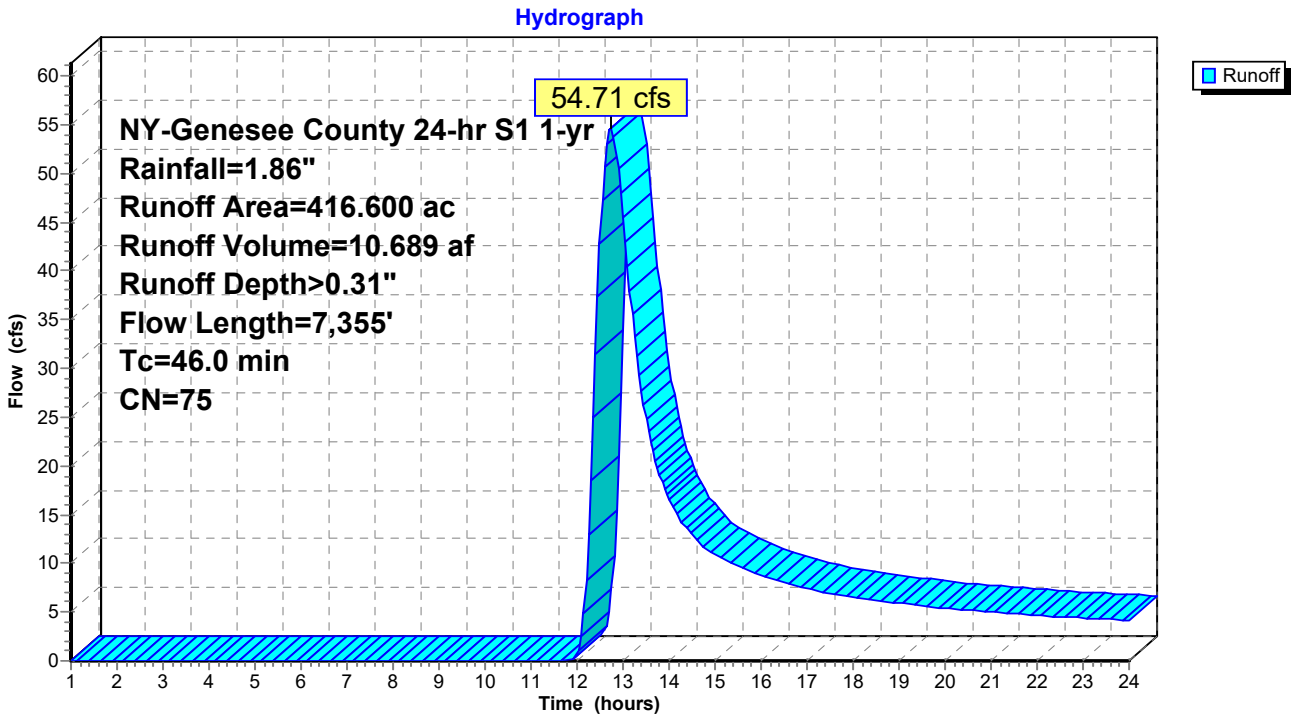
Runoff = 54.71 cfs @ 12.74 hrs, Volume= 10.689 af, Depth> 0.31"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	416.600	75	
	416.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.0	150	0.0400	0.14		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.1	1,230	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
19.9	5,975		5.00		**Direct Entry,**
46.0	7,355	Total			

Subcatchment 25S: 25



Summary for Subcatchment 26S: 26

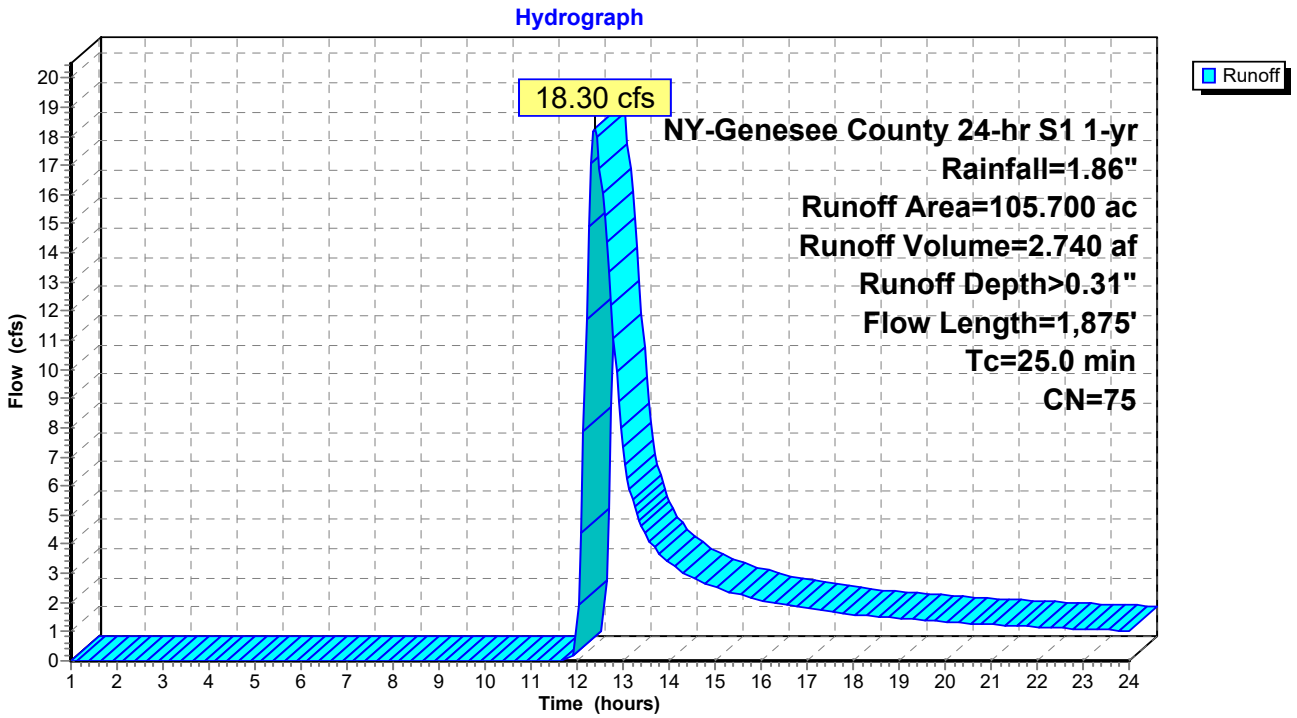
Runoff = 18.30 cfs @ 12.38 hrs, Volume= 2.740 af, Depth> 0.31"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	105.700	75	
	105.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.3	150	0.0600	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.2	980	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
2.5	745		5.00		**Direct Entry,**
25.0	1,875	Total			

Subcatchment 26S: 26



Summary for Subcatchment 27S: 27

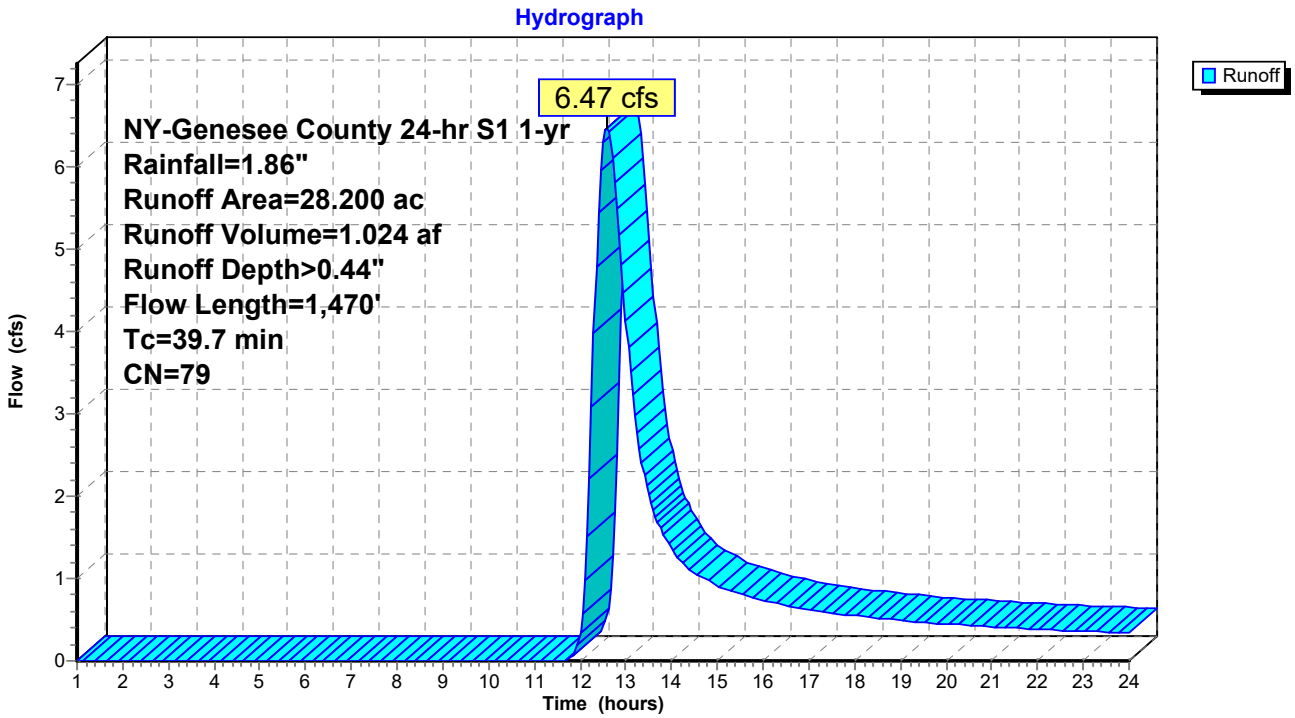
Runoff = 6.47 cfs @ 12.58 hrs, Volume= 1.024 af, Depth> 0.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	28.200	79	
	28.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	770	0.0150	1.97		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	550		5.00		**Direct Entry,**
39.7	1,470	Total			

Subcatchment 27S: 27



Summary for Subcatchment 28S: 28

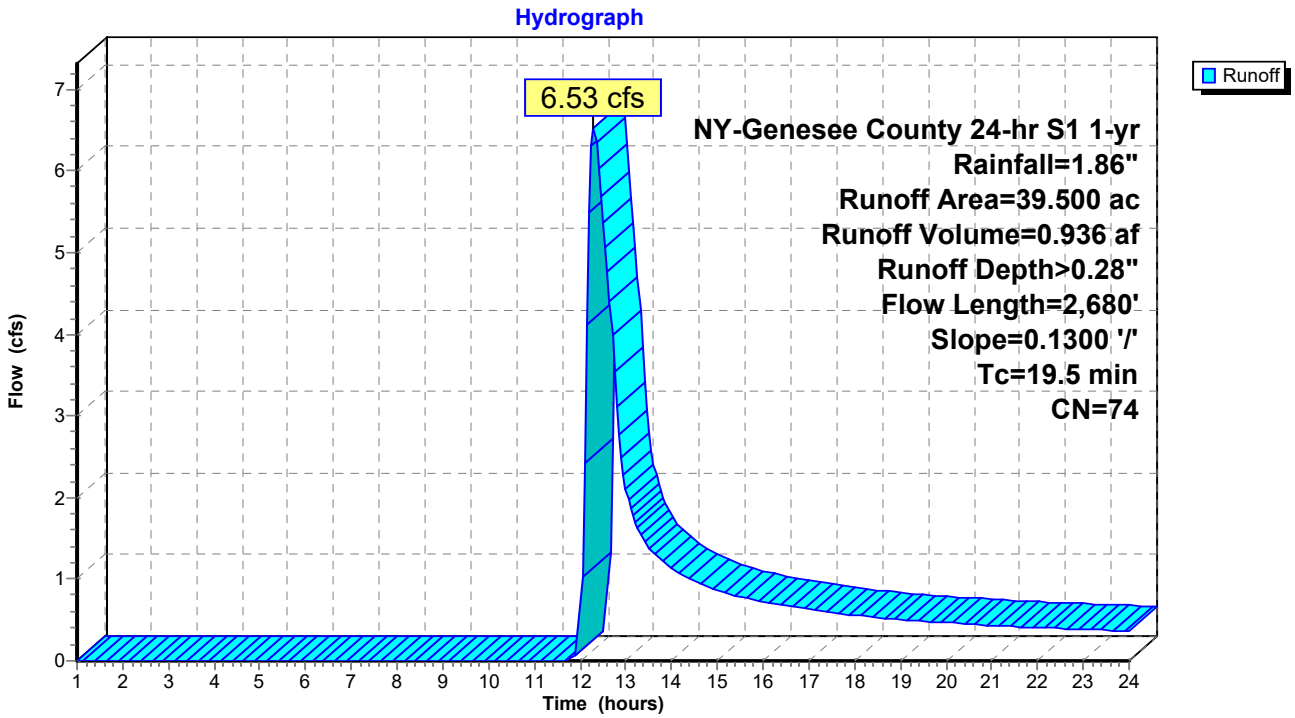
Runoff = 6.53 cfs @ 12.30 hrs, Volume= 0.936 af, Depth> 0.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	39.500	74	
	39.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.8	620	0.1300	5.80		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.4	1,910		5.00		**Direct Entry,**
19.5	2,680	Total			

Subcatchment 28S: 28



Summary for Subcatchment 29S: 29

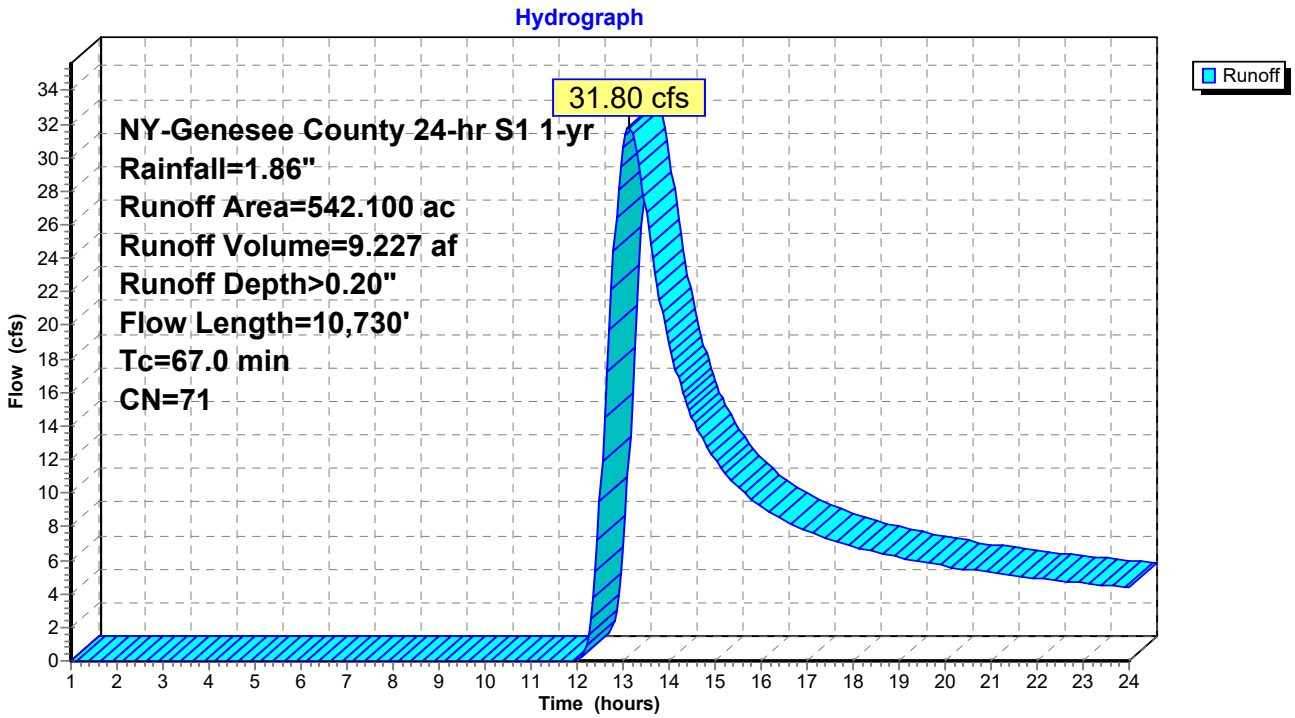
Runoff = 31.80 cfs @ 13.14 hrs, Volume= 9.227 af, Depth> 0.20"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	542.100	71	
	542.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	700	0.0700	4.26		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
32.9	9,880		5.00		**Direct Entry,**
67.0	10,730	Total			

Subcatchment 29S: 29



Summary for Subcatchment 30S: 30

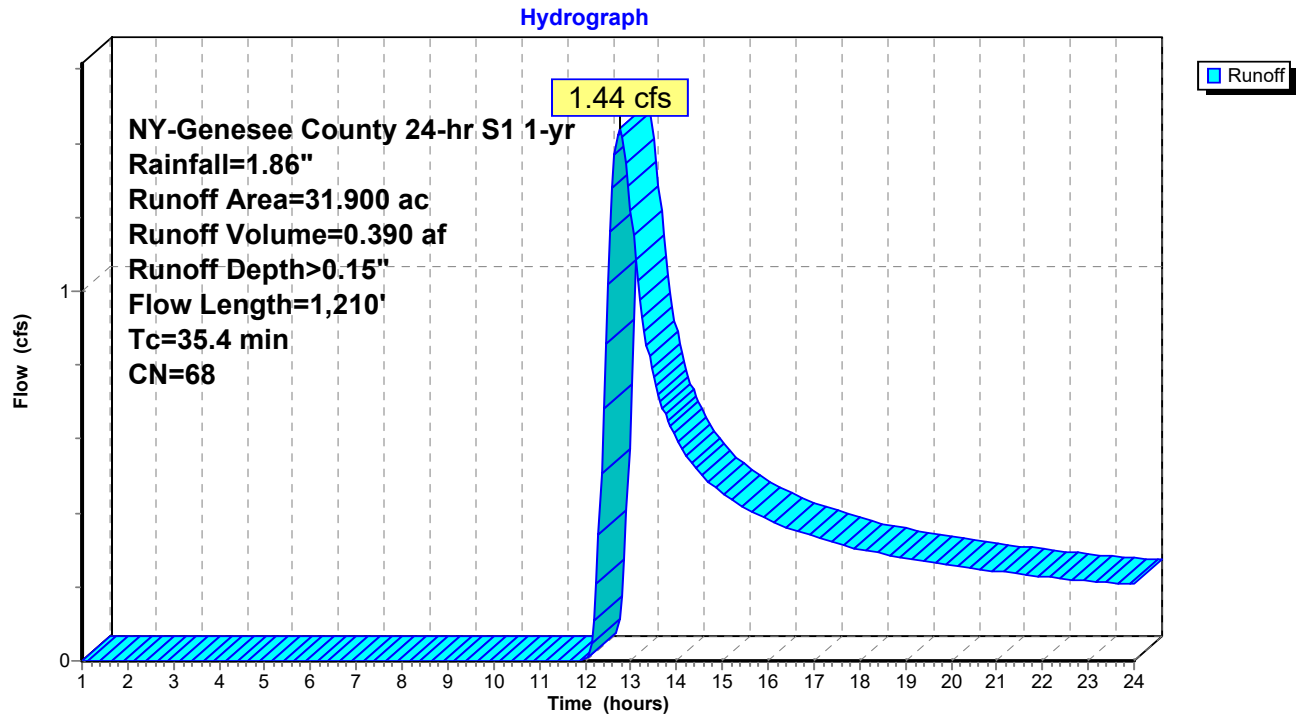
Runoff = 1.44 cfs @ 12.76 hrs, Volume= 0.390 af, Depth> 0.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	31.900	68	
	31.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	670	0.0670	4.17		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	390		5.00		**Direct Entry,**
35.4	1,210	Total			

Subcatchment 30S: 30

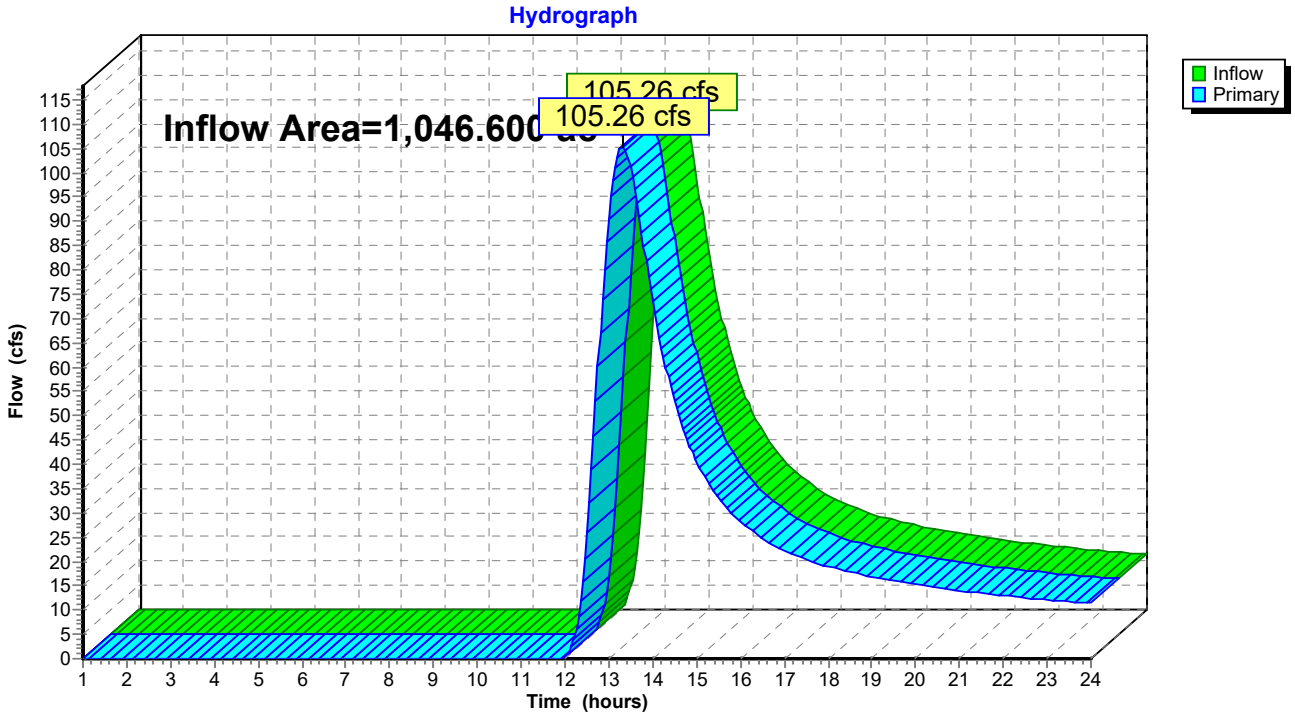


Summary for Link 1L: A

Inflow Area = 1,046.600 ac, 0.00% Impervious, Inflow Depth > 0.33" for 1-yr event
Inflow = 105.26 cfs @ 13.33 hrs, Volume= 28.796 af
Primary = 105.26 cfs @ 13.33 hrs, Volume= 28.796 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 1L: A

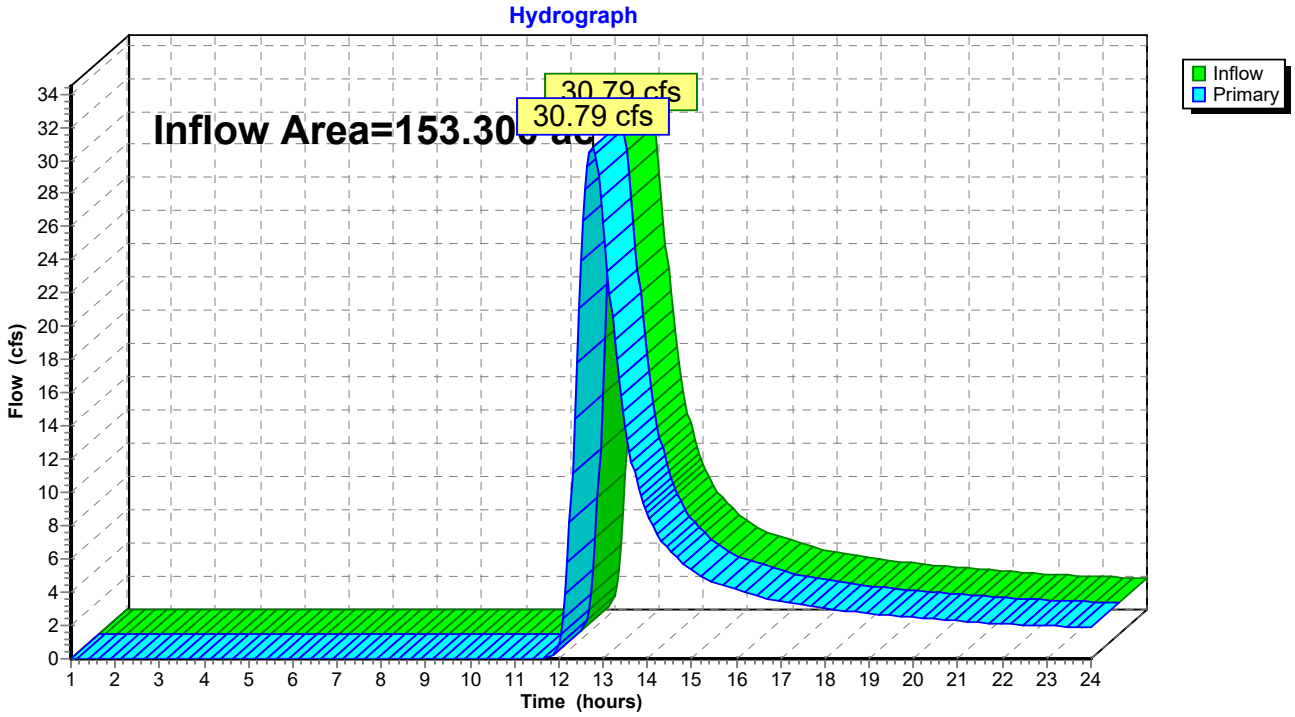


Summary for Link 2L: B

Inflow Area = 153.300 ac, 0.00% Impervious, Inflow Depth > 0.43" for 1-yr event
Inflow = 30.79 cfs @ 12.76 hrs, Volume= 5.538 af
Primary = 30.79 cfs @ 12.76 hrs, Volume= 5.538 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 2L: B

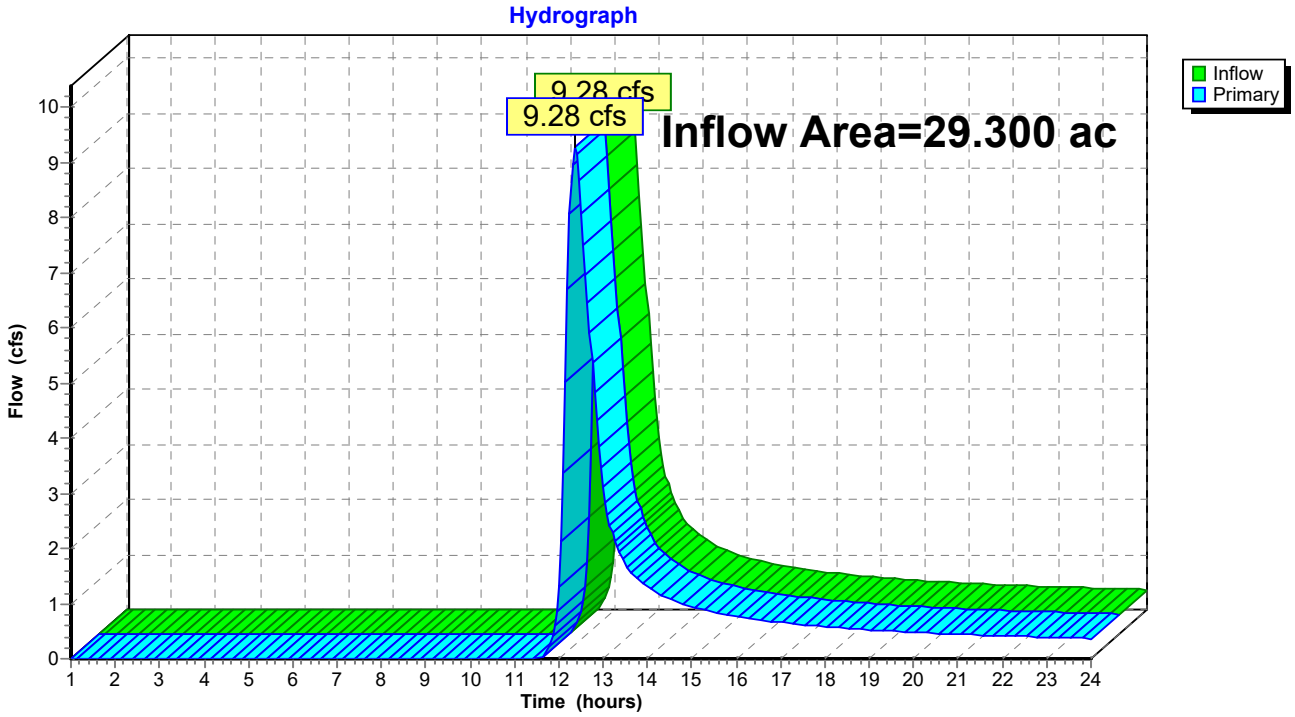


Summary for Link 3L: C

Inflow Area = 29.300 ac, 0.00% Impervious, Inflow Depth > 0.47" for 1-yr event
Inflow = 9.28 cfs @ 12.36 hrs, Volume= 1.159 af
Primary = 9.28 cfs @ 12.36 hrs, Volume= 1.159 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 3L: C

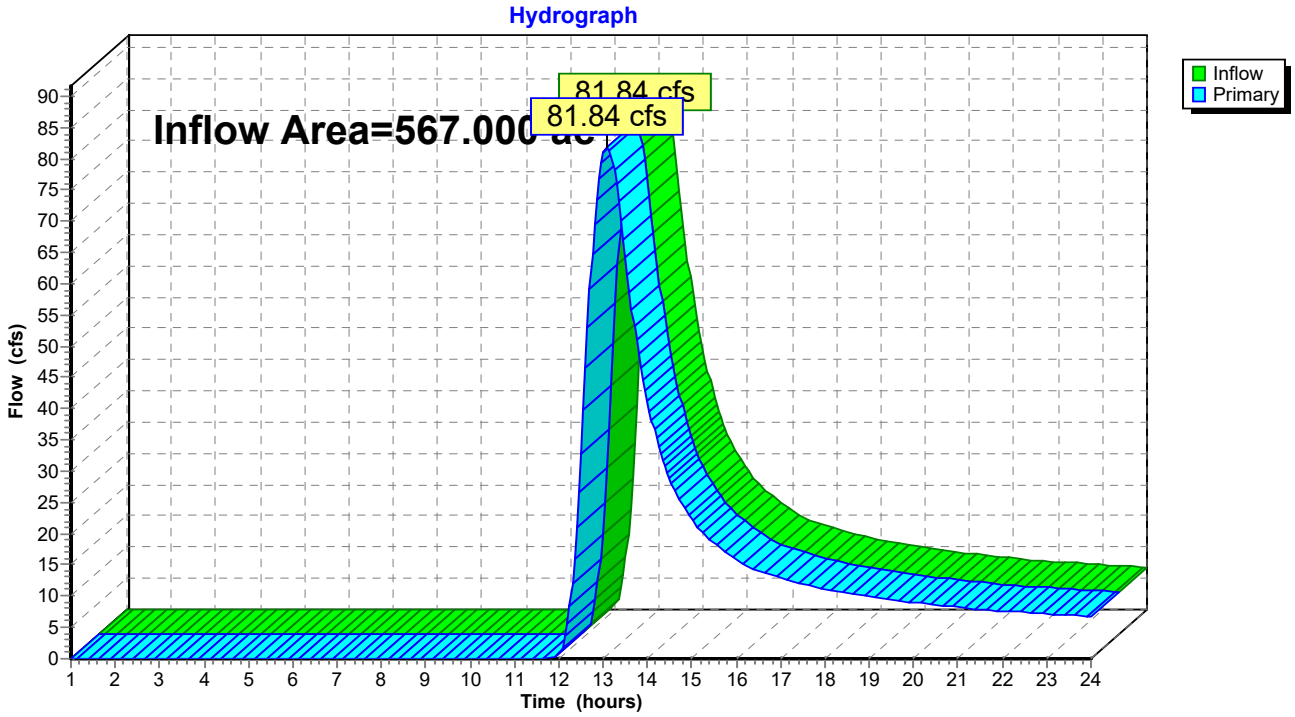


Summary for Link 4L: D

Inflow Area = 567.000 ac, 0.00% Impervious, Inflow Depth > 0.40" for 1-yr event
Inflow = 81.84 cfs @ 13.08 hrs, Volume= 18.681 af
Primary = 81.84 cfs @ 13.08 hrs, Volume= 18.681 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 4L: D

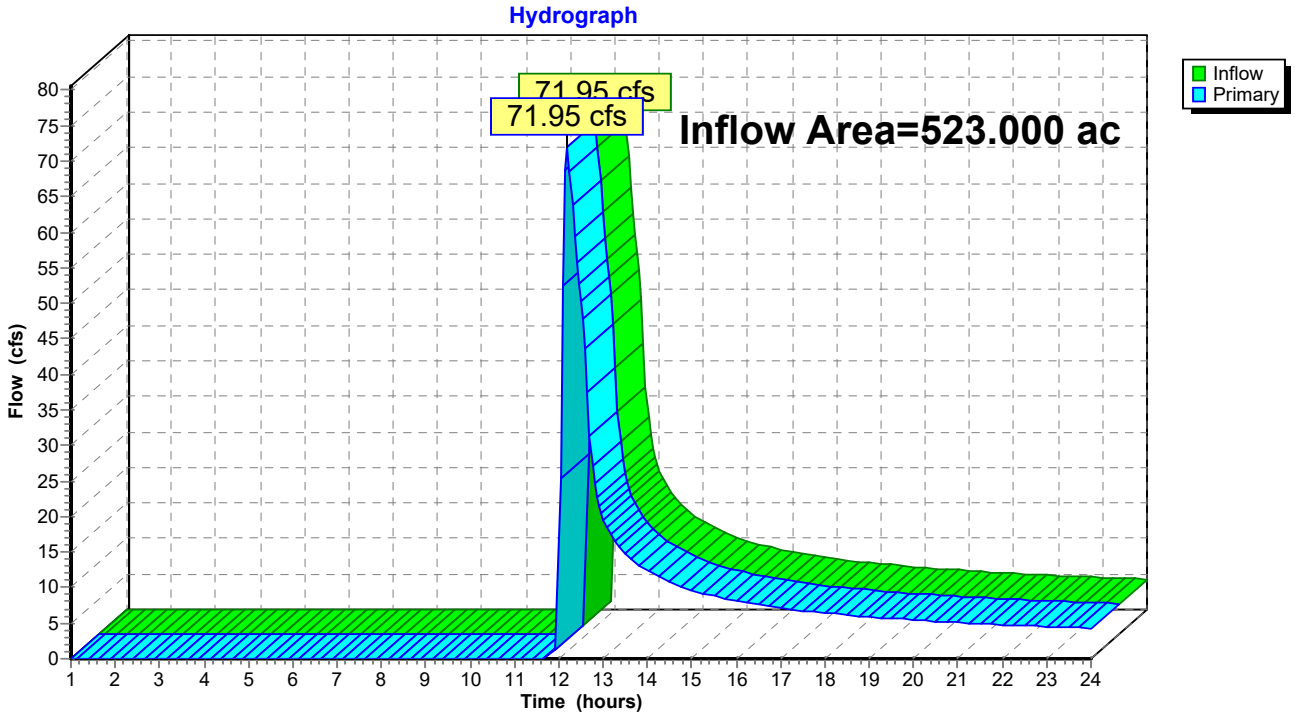


Summary for Link 5L: E

Inflow Area = 523.000 ac, 0.00% Impervious, Inflow Depth > 0.23" for 1-yr event
Inflow = 71.95 cfs @ 12.20 hrs, Volume= 10.213 af
Primary = 71.95 cfs @ 12.20 hrs, Volume= 10.213 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 5L: E

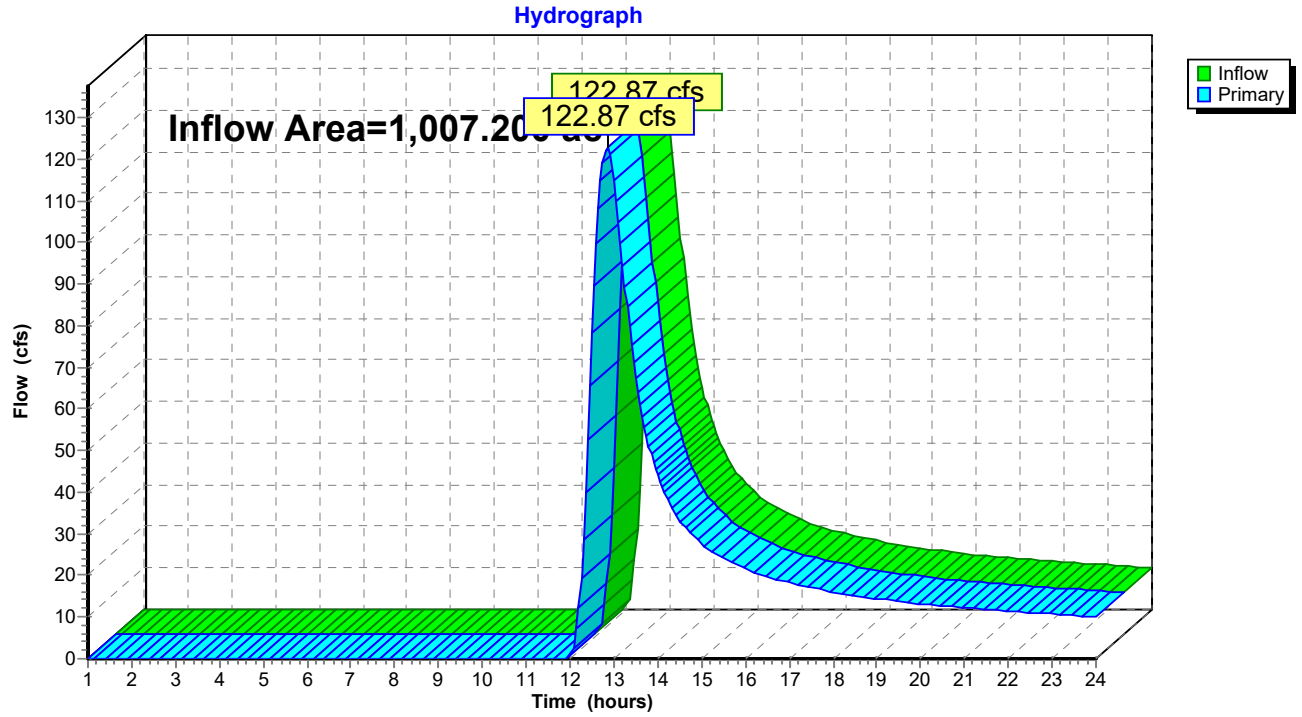


Summary for Link 6L: F

Inflow Area = 1,007.200 ac, 0.00% Impervious, Inflow Depth > 0.31" for 1-yr event
Inflow = 122.87 cfs @ 12.85 hrs, Volume= 25.751 af
Primary = 122.87 cfs @ 12.85 hrs, Volume= 25.751 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 6L: F

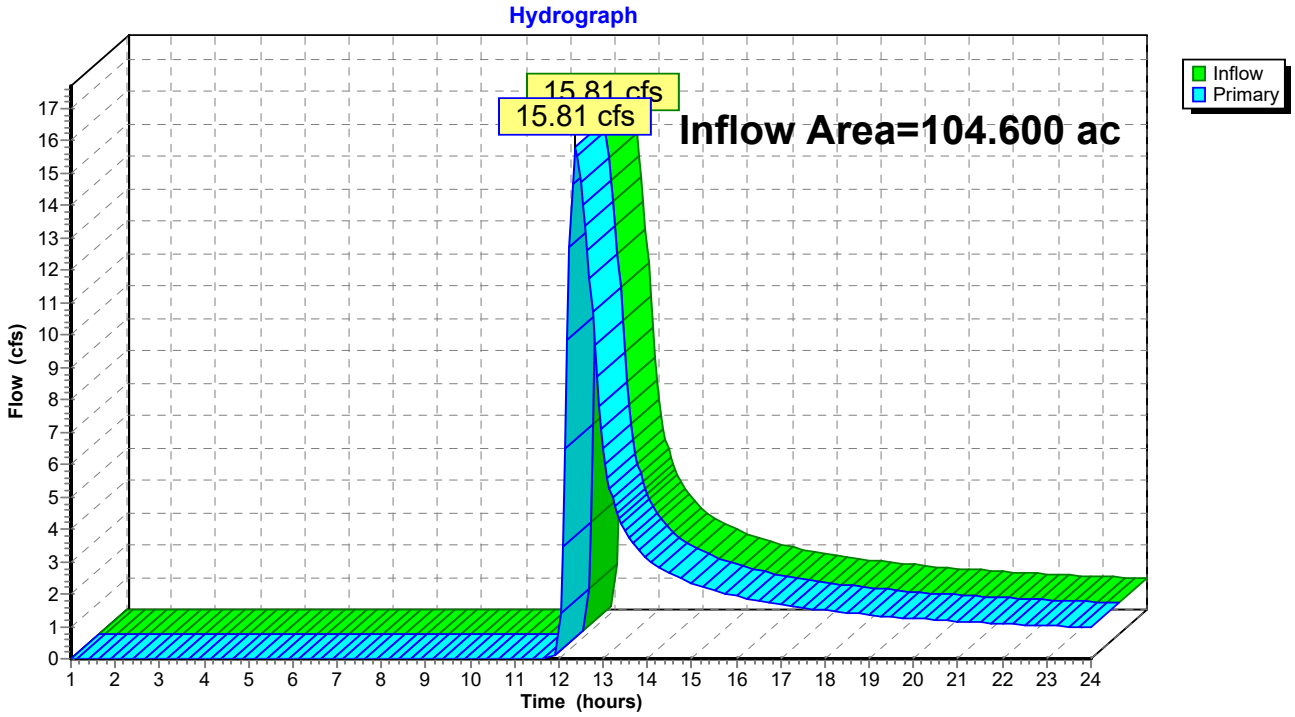


Summary for Link 7L: G

Inflow Area = 104.600 ac, 0.00% Impervious, Inflow Depth > 0.28" for 1-yr event
Inflow = 15.81 cfs @ 12.38 hrs, Volume= 2.472 af
Primary = 15.81 cfs @ 12.38 hrs, Volume= 2.472 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 7L: G

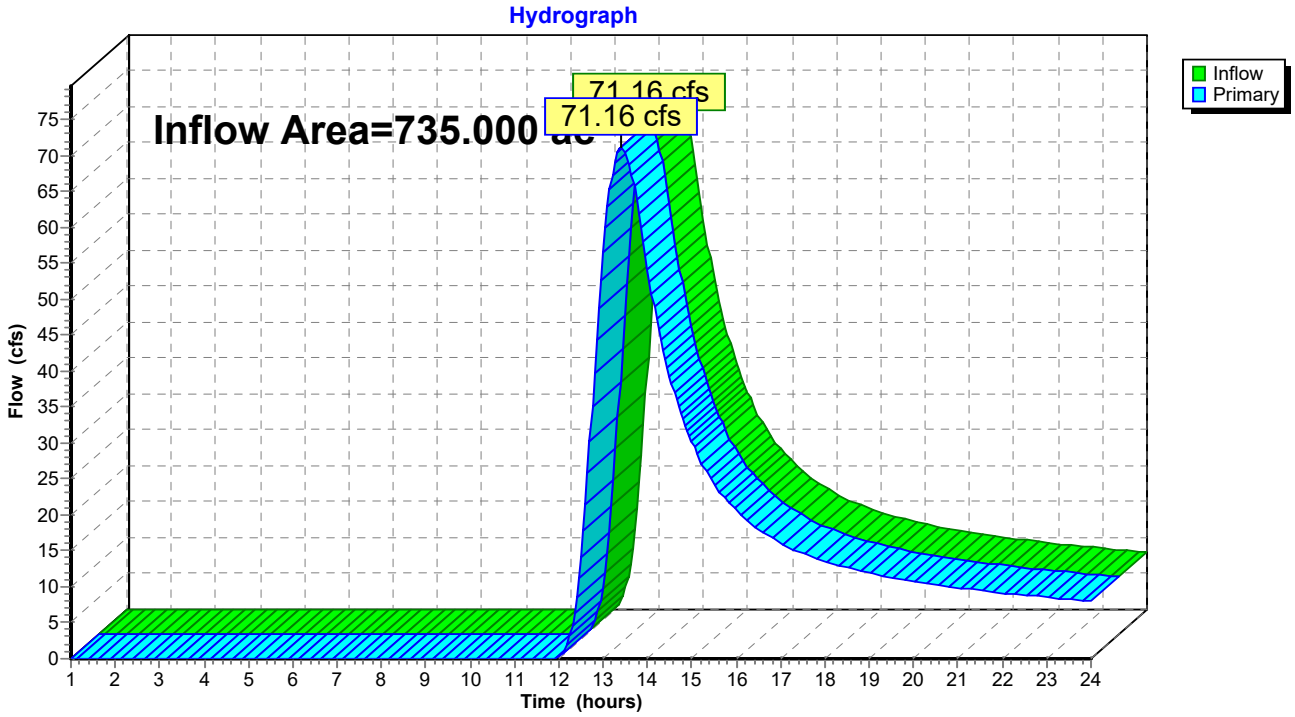


Summary for Link 8L: H

Inflow Area = 735.000 ac, 0.00% Impervious, Inflow Depth > 0.33" for 1-yr event
Inflow = 71.16 cfs @ 13.41 hrs, Volume= 20.162 af
Primary = 71.16 cfs @ 13.41 hrs, Volume= 20.162 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 8L: H

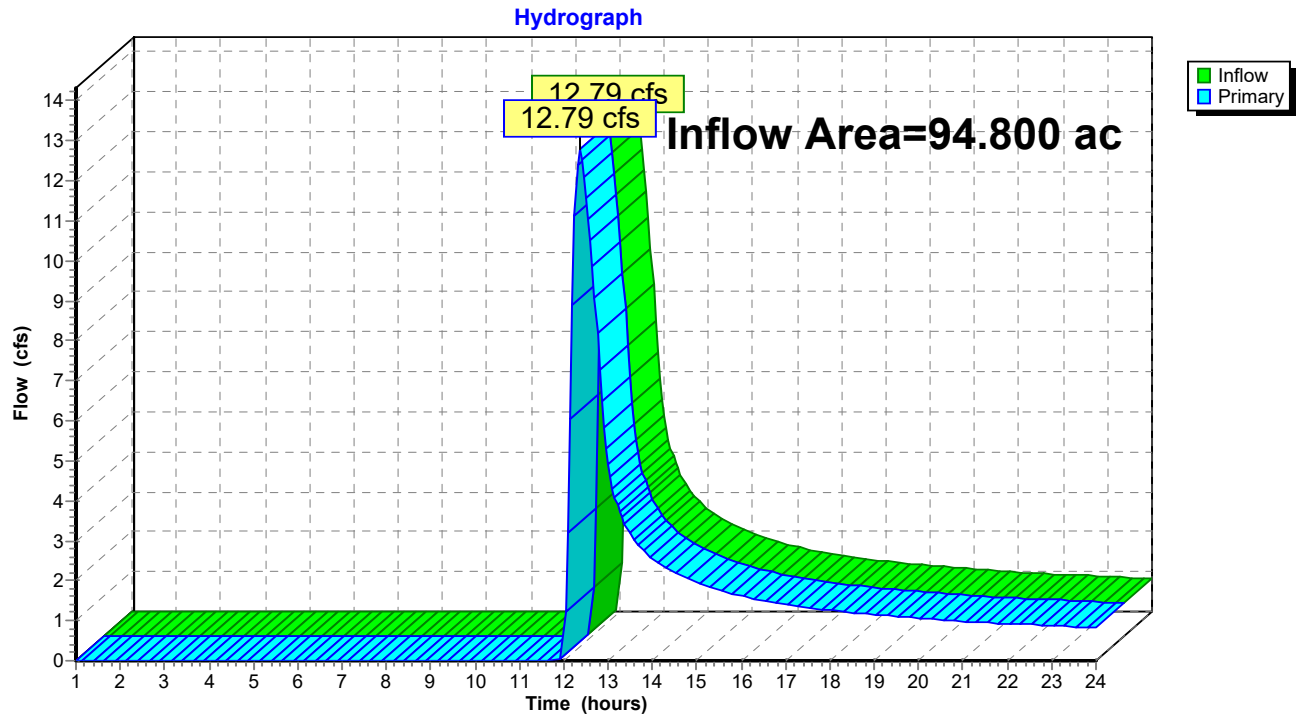


Summary for Link 9L: I

Inflow Area = 94.800 ac, 0.00% Impervious, Inflow Depth > 0.26" for 1-yr event
Inflow = 12.79 cfs @ 12.36 hrs, Volume= 2.037 af
Primary = 12.79 cfs @ 12.36 hrs, Volume= 2.037 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 9L: I

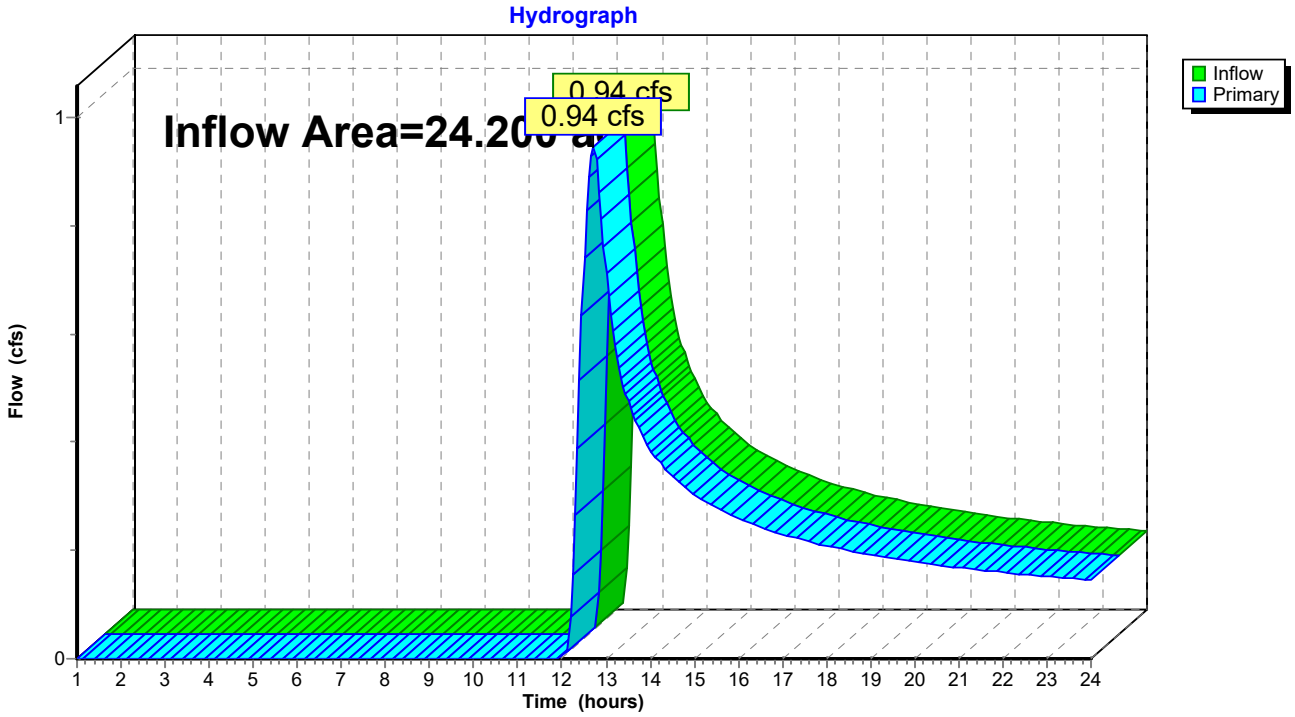


Summary for Link 10L: J

Inflow Area = 24.200 ac, 0.00% Impervious, Inflow Depth > 0.13" for 1-yr event
Inflow = 0.94 cfs @ 12.71 hrs, Volume= 0.261 af
Primary = 0.94 cfs @ 12.71 hrs, Volume= 0.261 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 10L: J

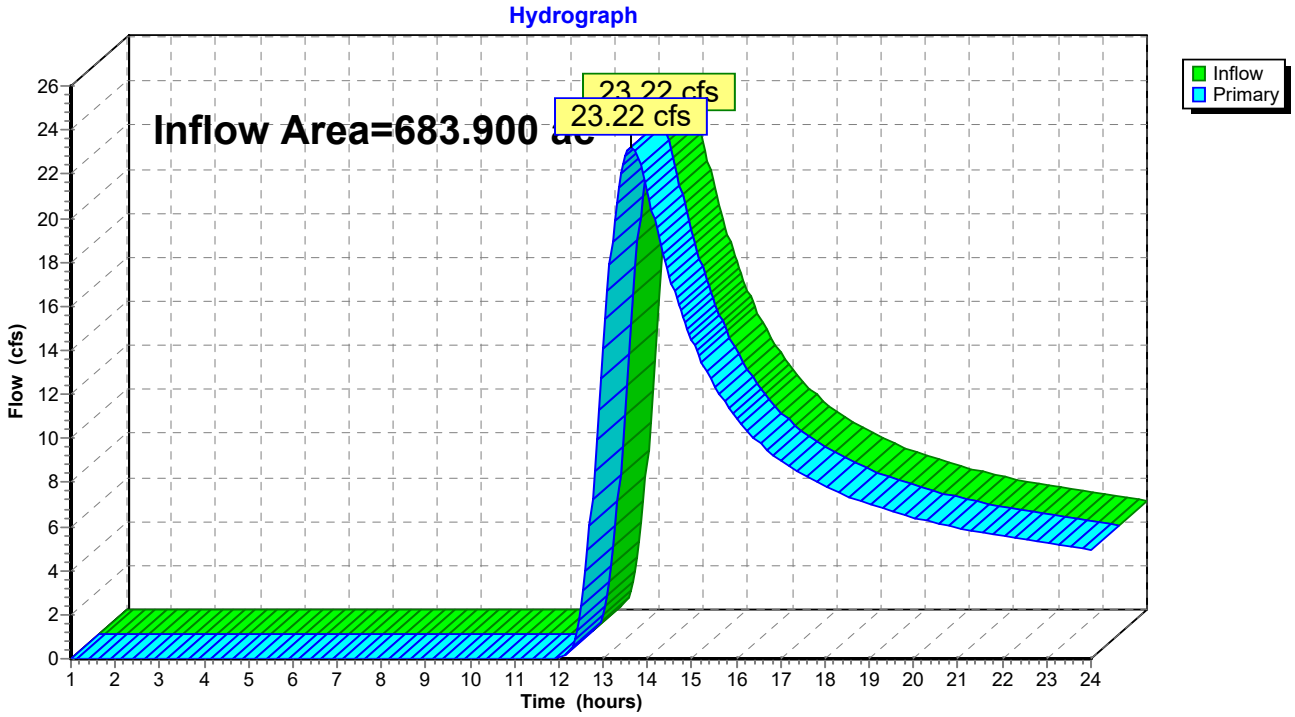


Summary for Link 11L: K

Inflow Area = 683.900 ac, 0.00% Impervious, Inflow Depth > 0.16" for 1-yr event
Inflow = 23.22 cfs @ 13.62 hrs, Volume= 9.094 af
Primary = 23.22 cfs @ 13.62 hrs, Volume= 9.094 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 11L: K

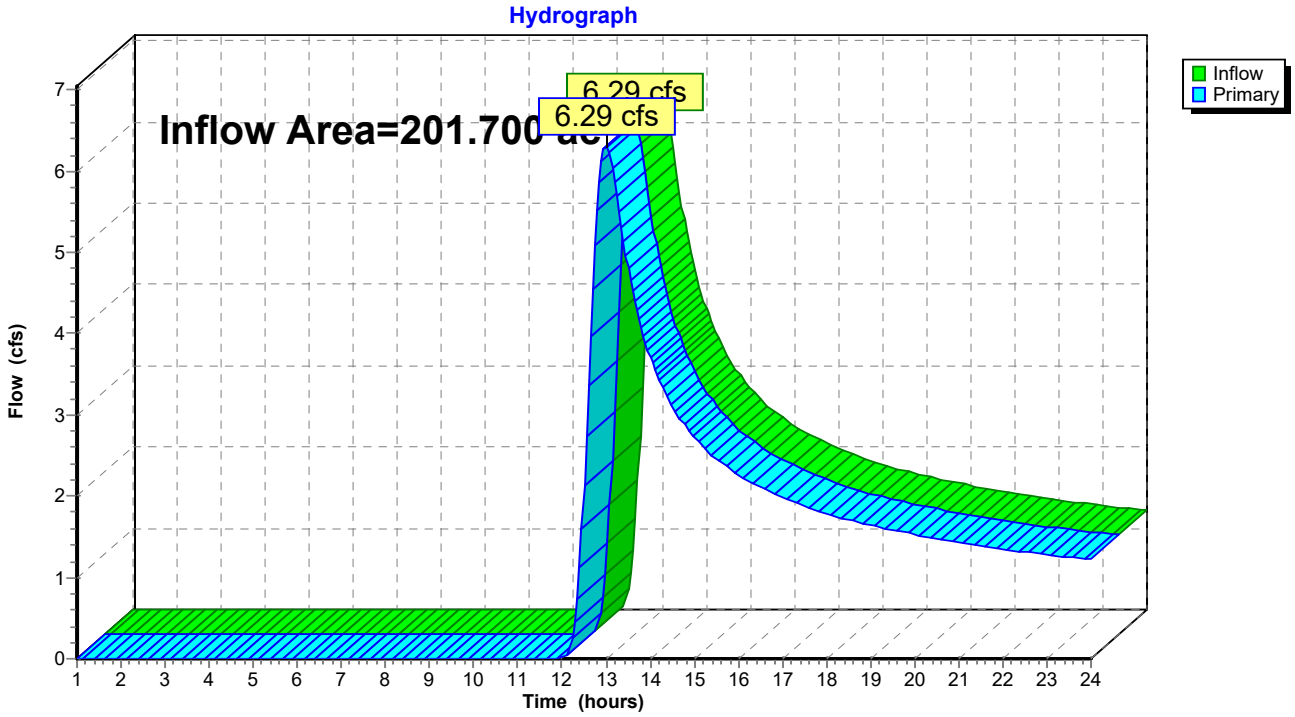


Summary for Link 12L: L

Inflow Area = 201.700 ac, 0.00% Impervious, Inflow Depth > 0.13" for 1-yr event
Inflow = 6.29 cfs @ 13.00 hrs, Volume= 2.145 af
Primary = 6.29 cfs @ 13.00 hrs, Volume= 2.145 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 12L: L

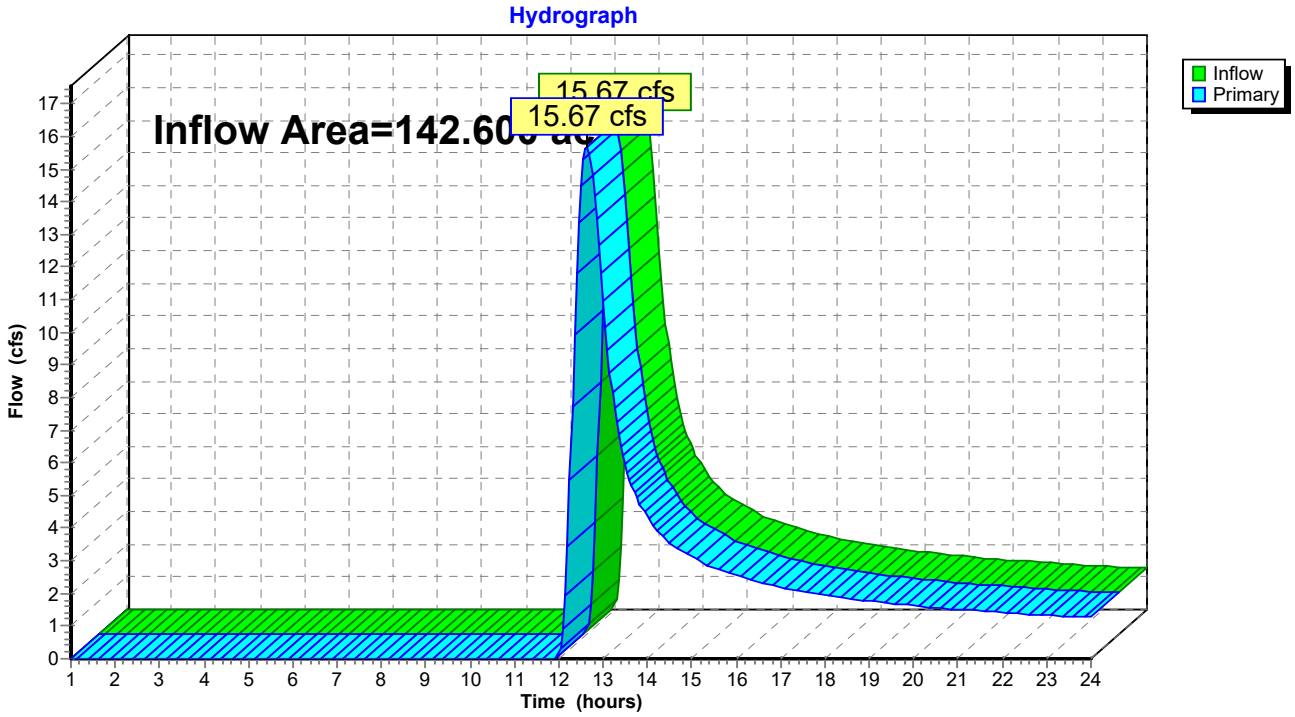


Summary for Link 13L: M

Inflow Area = 142.600 ac, 0.00% Impervious, Inflow Depth > 0.26" for 1-yr event
Inflow = 15.67 cfs @ 12.62 hrs, Volume= 3.039 af
Primary = 15.67 cfs @ 12.62 hrs, Volume= 3.039 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 13L: M

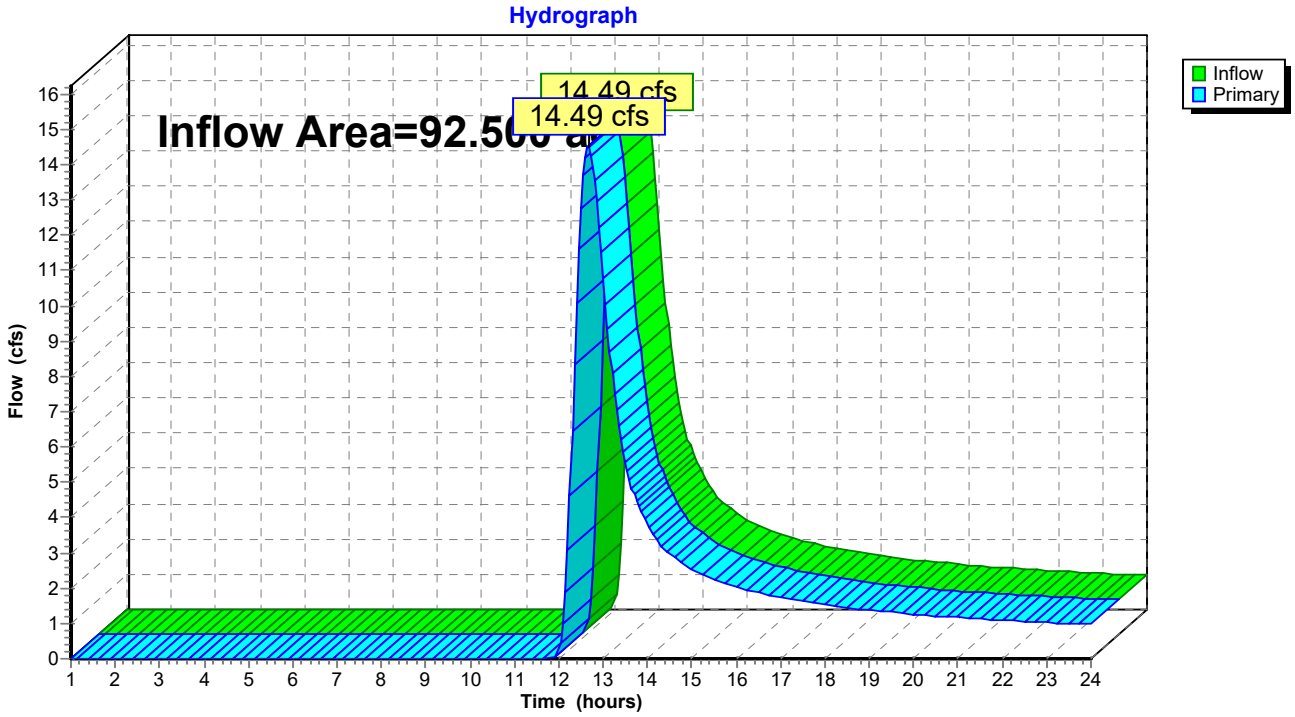


Summary for Link 14L: N

Inflow Area = 92.500 ac, 0.00% Impervious, Inflow Depth > 0.34" for 1-yr event
Inflow = 14.49 cfs @ 12.67 hrs, Volume= 2.602 af
Primary = 14.49 cfs @ 12.67 hrs, Volume= 2.602 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 14L: N

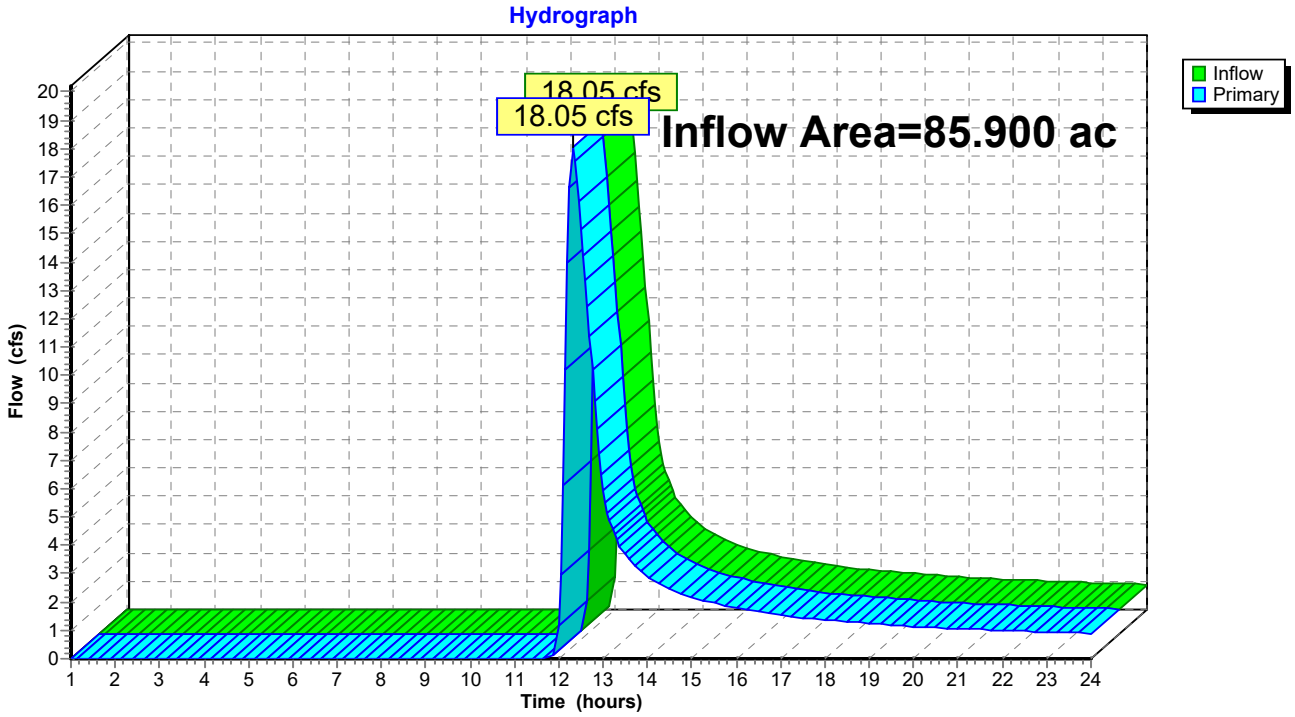


Summary for Link 15L: O

Inflow Area = 85.900 ac, 0.00% Impervious, Inflow Depth > 0.34" for 1-yr event
Inflow = 18.05 cfs @ 12.33 hrs, Volume= 2.439 af
Primary = 18.05 cfs @ 12.33 hrs, Volume= 2.439 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 15L: O

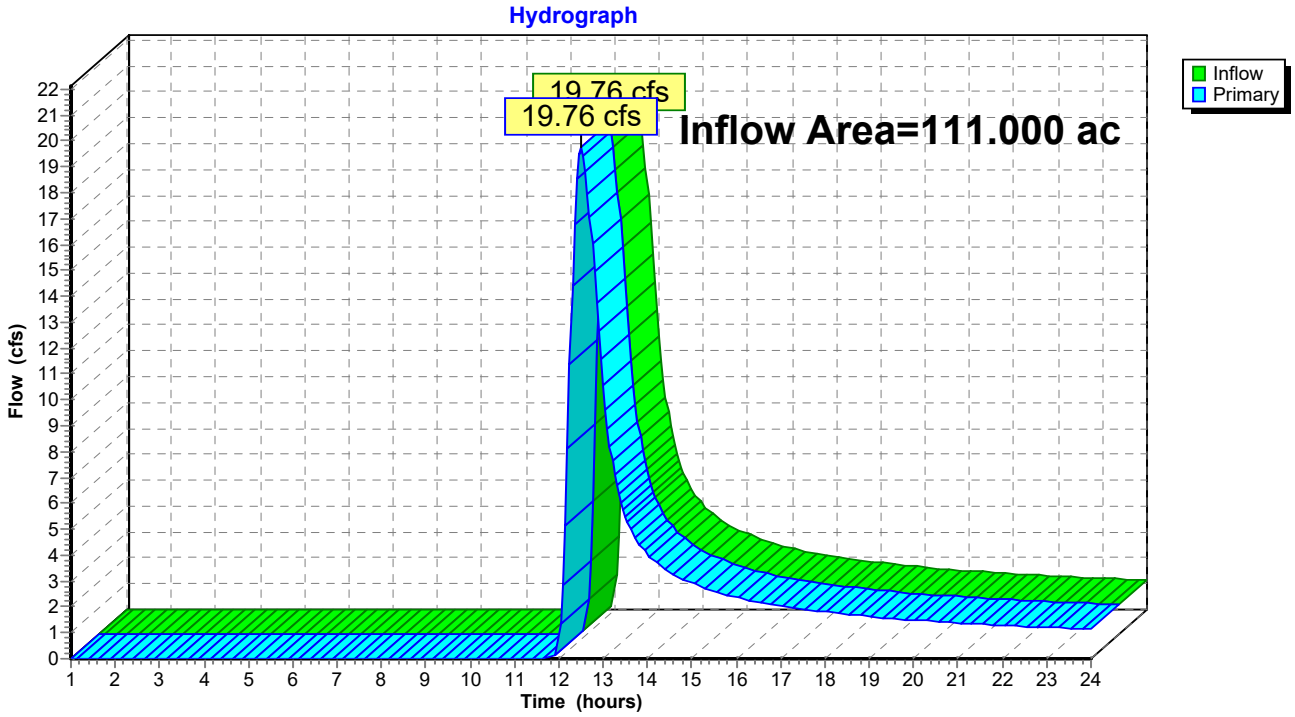


Summary for Link 16L: P

Inflow Area = 111.000 ac, 0.00% Impervious, Inflow Depth > 0.34" for 1-yr event
Inflow = 19.76 cfs @ 12.50 hrs, Volume= 3.138 af
Primary = 19.76 cfs @ 12.50 hrs, Volume= 3.138 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 16L: P

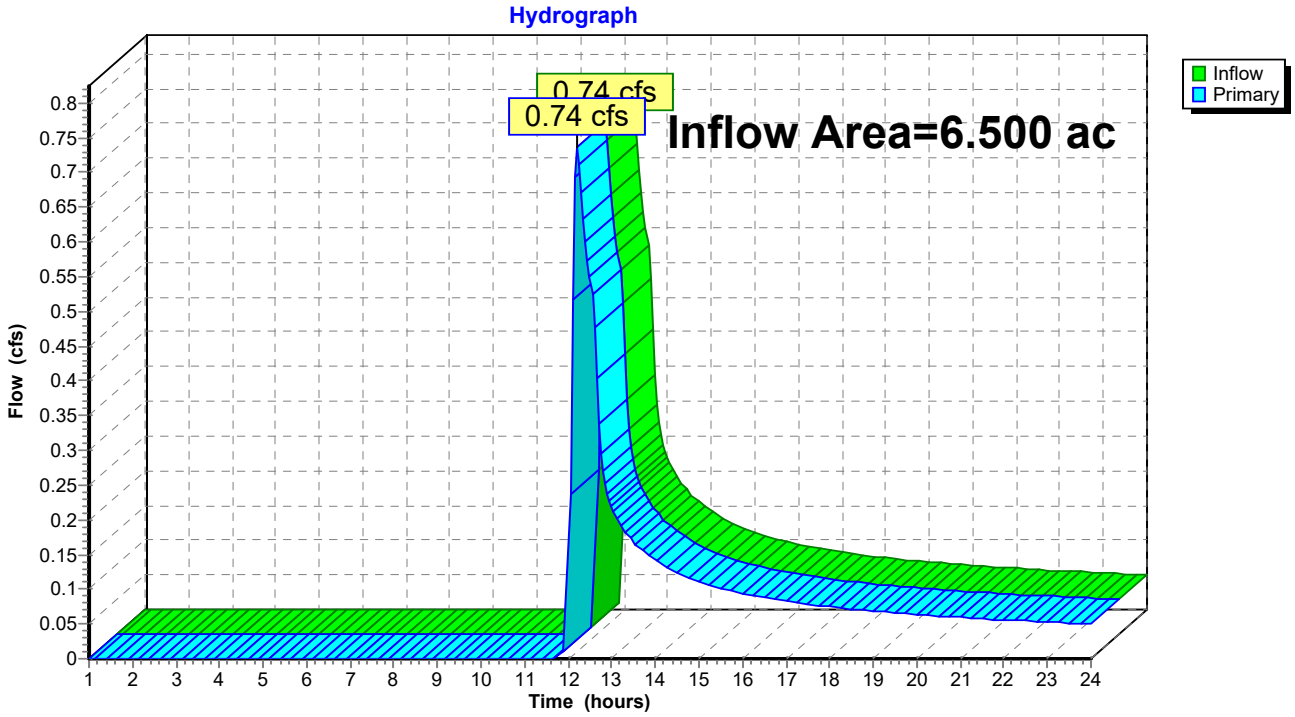


Summary for Link 17L: Q

Inflow Area = 6.500 ac, 0.00% Impervious, Inflow Depth > 0.21" for 1-yr event
Inflow = 0.74 cfs @ 12.21 hrs, Volume= 0.114 af
Primary = 0.74 cfs @ 12.21 hrs, Volume= 0.114 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 17L: Q

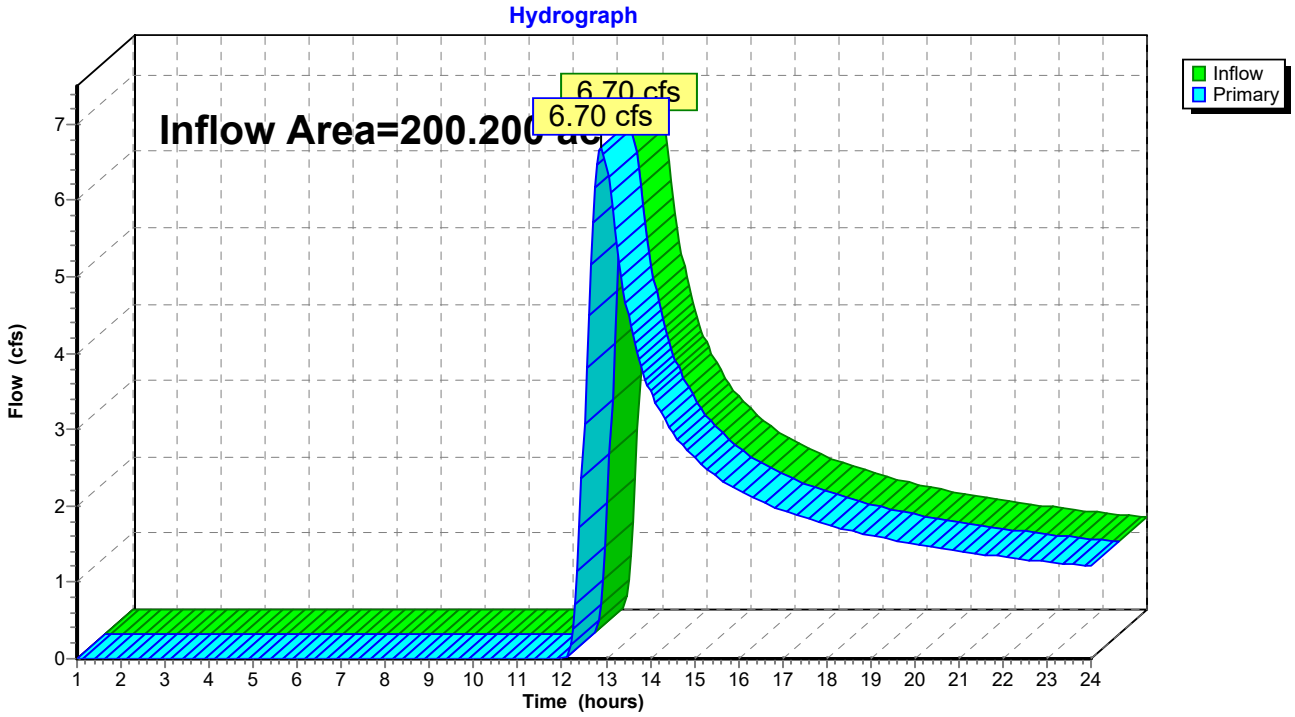


Summary for Link 18L: R

Inflow Area = 200.200 ac, 0.00% Impervious, Inflow Depth > 0.13" for 1-yr event
Inflow = 6.70 cfs @ 12.89 hrs, Volume= 2.140 af
Primary = 6.70 cfs @ 12.89 hrs, Volume= 2.140 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 18L: R

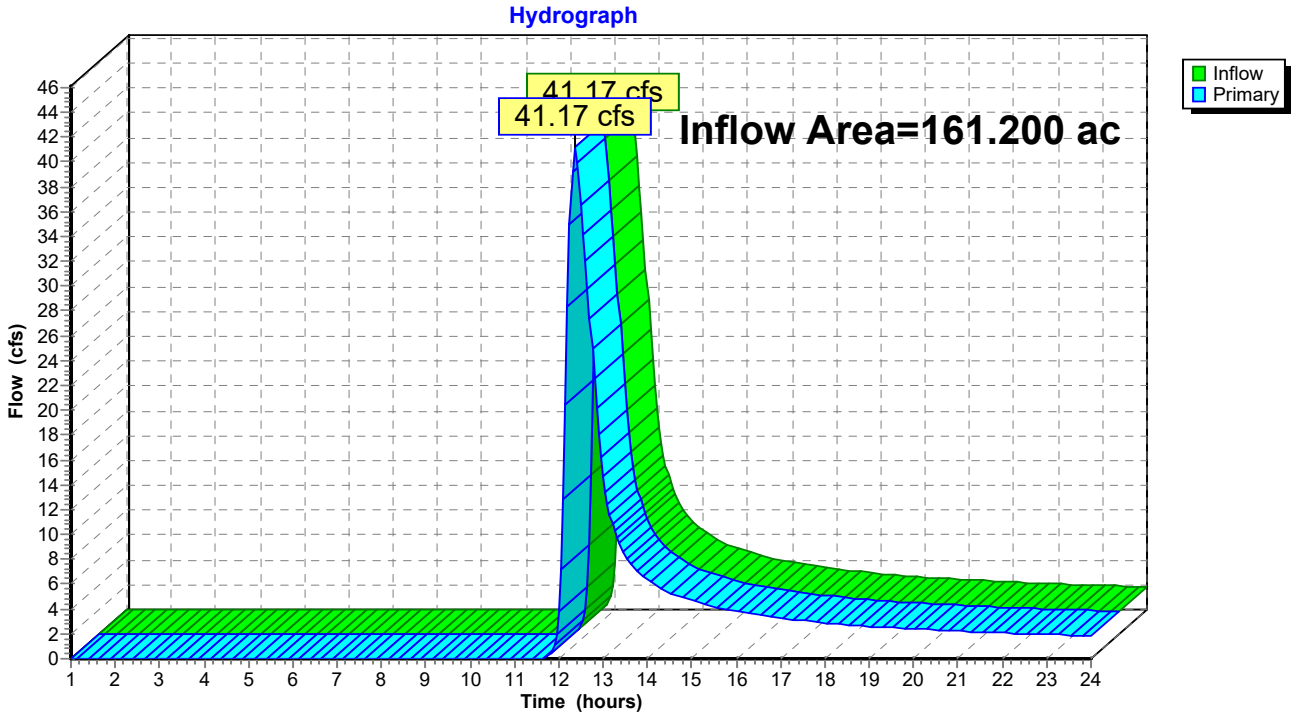


Summary for Link 19L: S

Inflow Area = 161.200 ac, 0.00% Impervious, Inflow Depth > 0.40" for 1-yr event
Inflow = 41.17 cfs @ 12.37 hrs, Volume= 5.424 af
Primary = 41.17 cfs @ 12.37 hrs, Volume= 5.424 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 19L: S

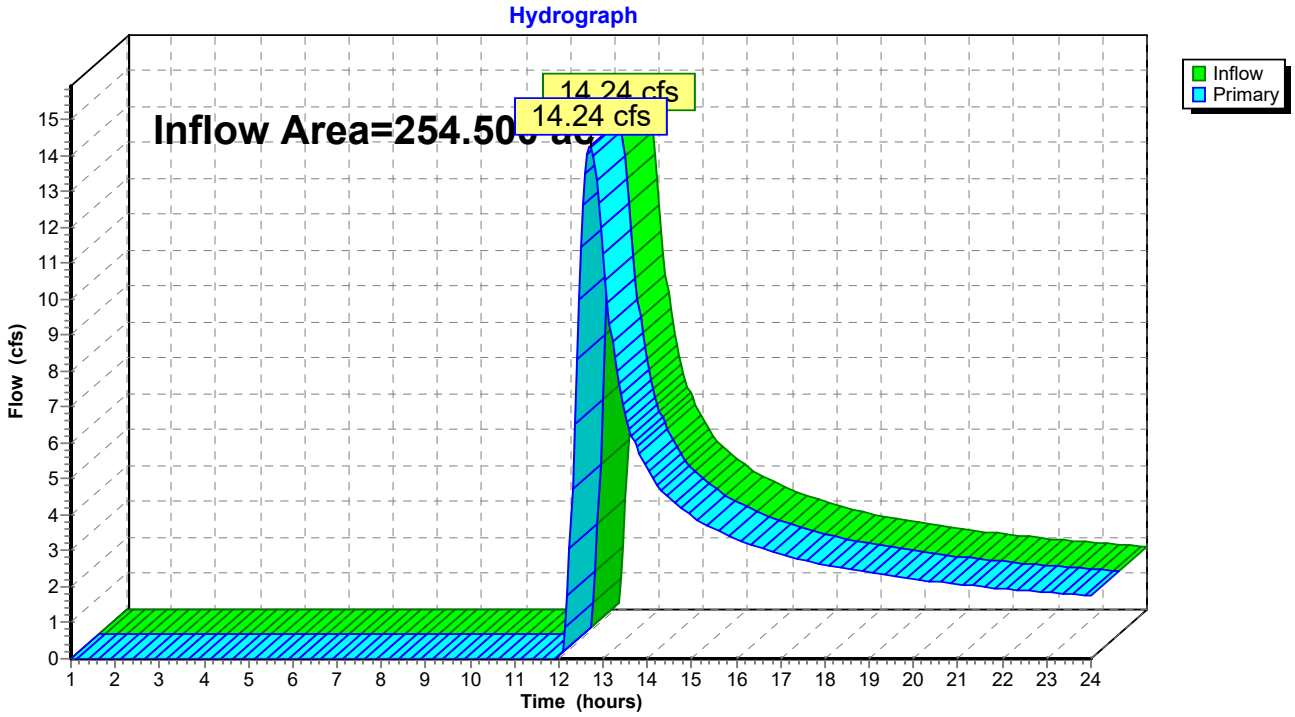


Summary for Link 20L: T

Inflow Area = 254.500 ac, 0.00% Impervious, Inflow Depth > 0.17" for 1-yr event
Inflow = 14.24 cfs @ 12.71 hrs, Volume= 3.522 af
Primary = 14.24 cfs @ 12.71 hrs, Volume= 3.522 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 20L: T

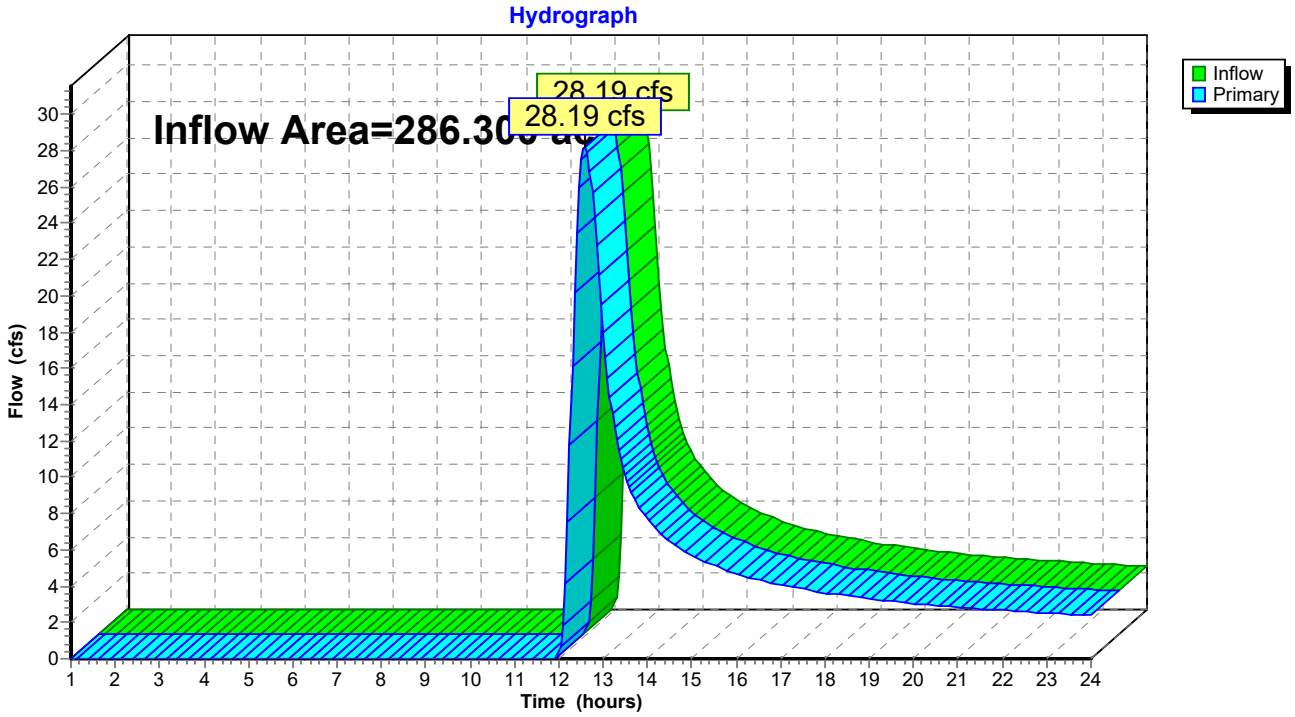


Summary for Link 21L: U

Inflow Area = 286.300 ac, 0.00% Impervious, Inflow Depth > 0.23" for 1-yr event
Inflow = 28.19 cfs @ 12.58 hrs, Volume= 5.529 af
Primary = 28.19 cfs @ 12.58 hrs, Volume= 5.529 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 21L: U

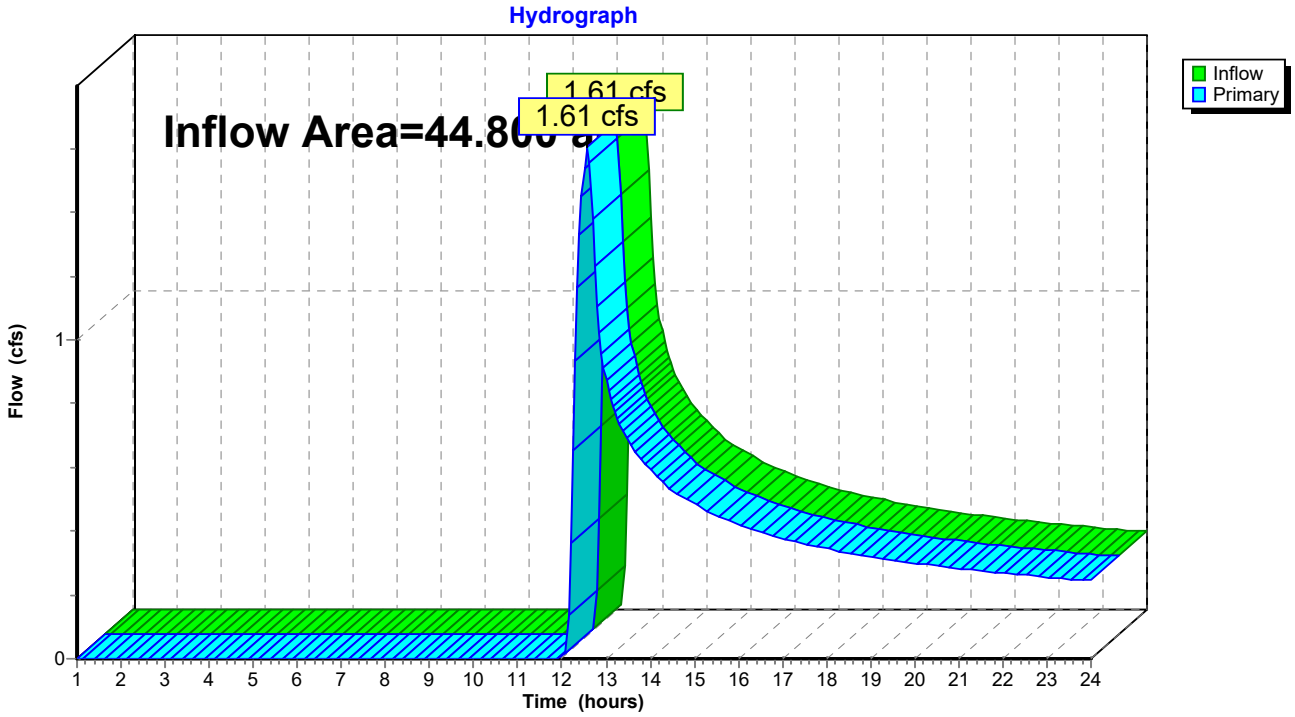


Summary for Link 22L: V

Inflow Area = 44.800 ac, 0.00% Impervious, Inflow Depth > 0.11" for 1-yr event
Inflow = 1.61 cfs @ 12.58 hrs, Volume= 0.425 af
Primary = 1.61 cfs @ 12.58 hrs, Volume= 0.425 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 22L: V

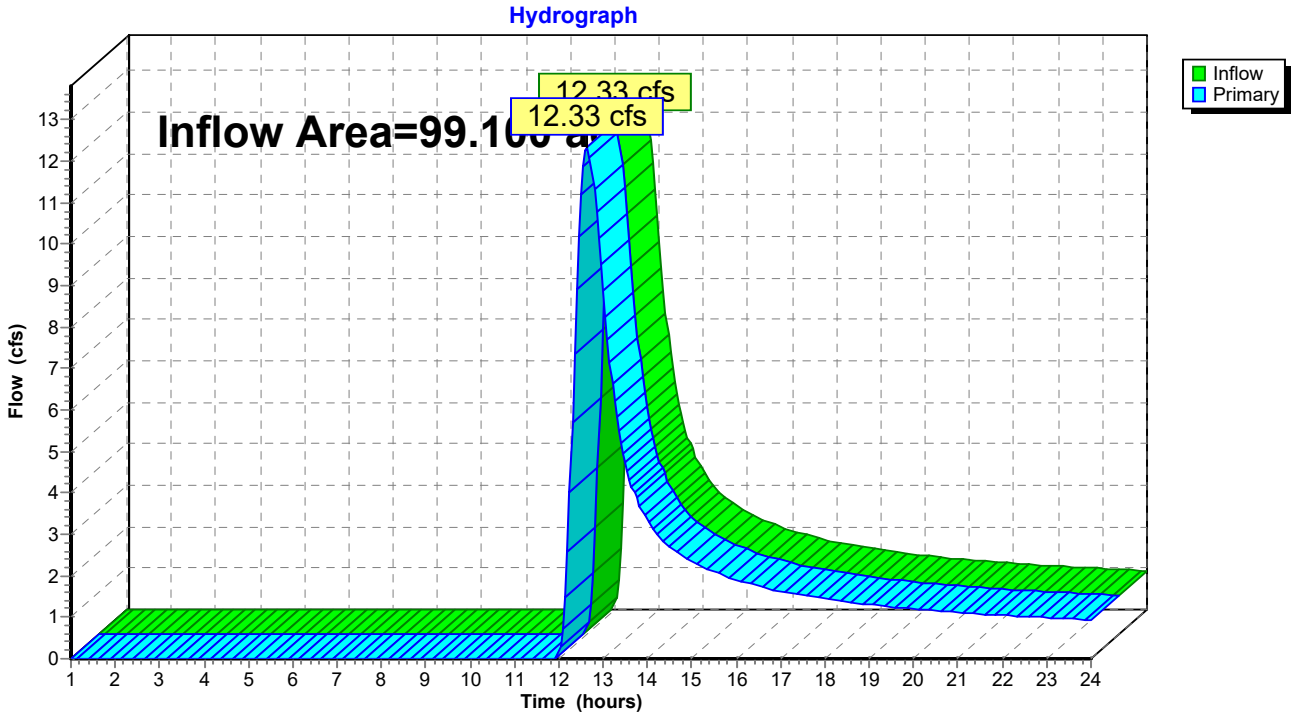


Summary for Link 23L: W

Inflow Area = 99.100 ac, 0.00% Impervious, Inflow Depth > 0.28" for 1-yr event
Inflow = 12.33 cfs @ 12.64 hrs, Volume= 2.324 af
Primary = 12.33 cfs @ 12.64 hrs, Volume= 2.324 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 23L: W

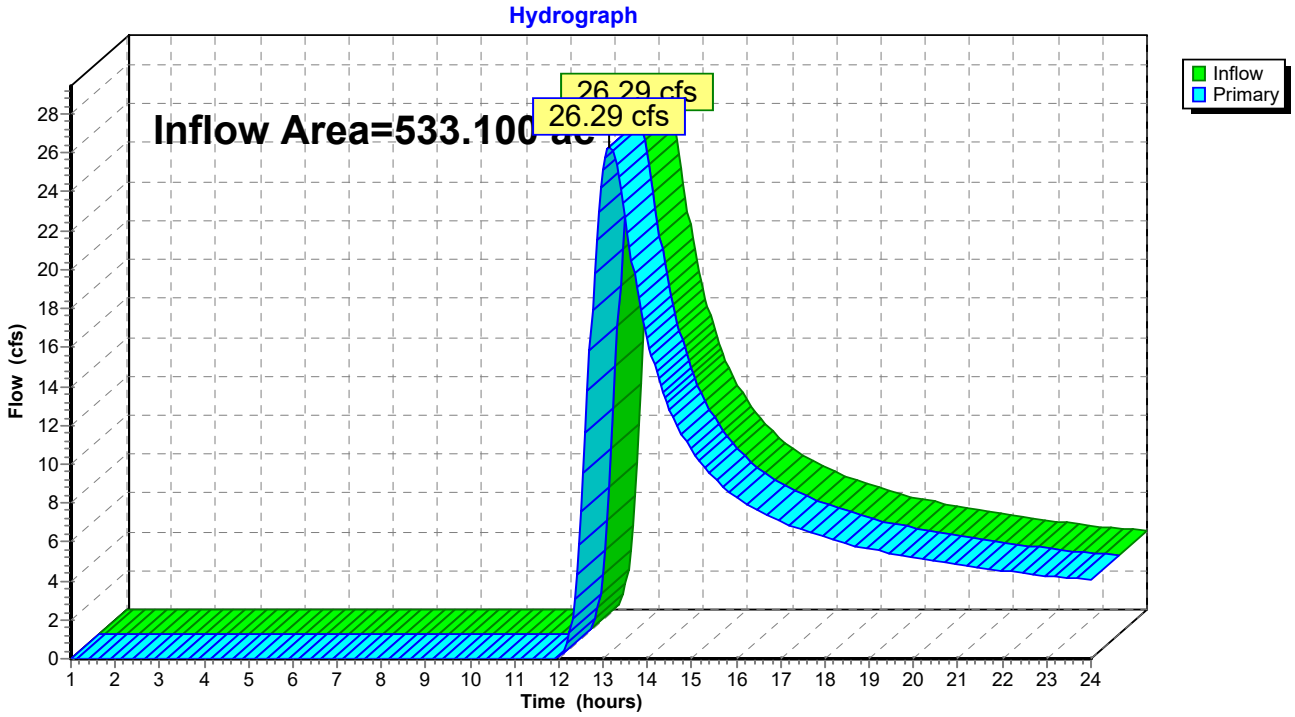


Summary for Link 24L: X

Inflow Area = 533.100 ac, 0.00% Impervious, Inflow Depth > 0.18" for 1-yr event
Inflow = 26.29 cfs @ 13.14 hrs, Volume= 8.123 af
Primary = 26.29 cfs @ 13.14 hrs, Volume= 8.123 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 24L: X

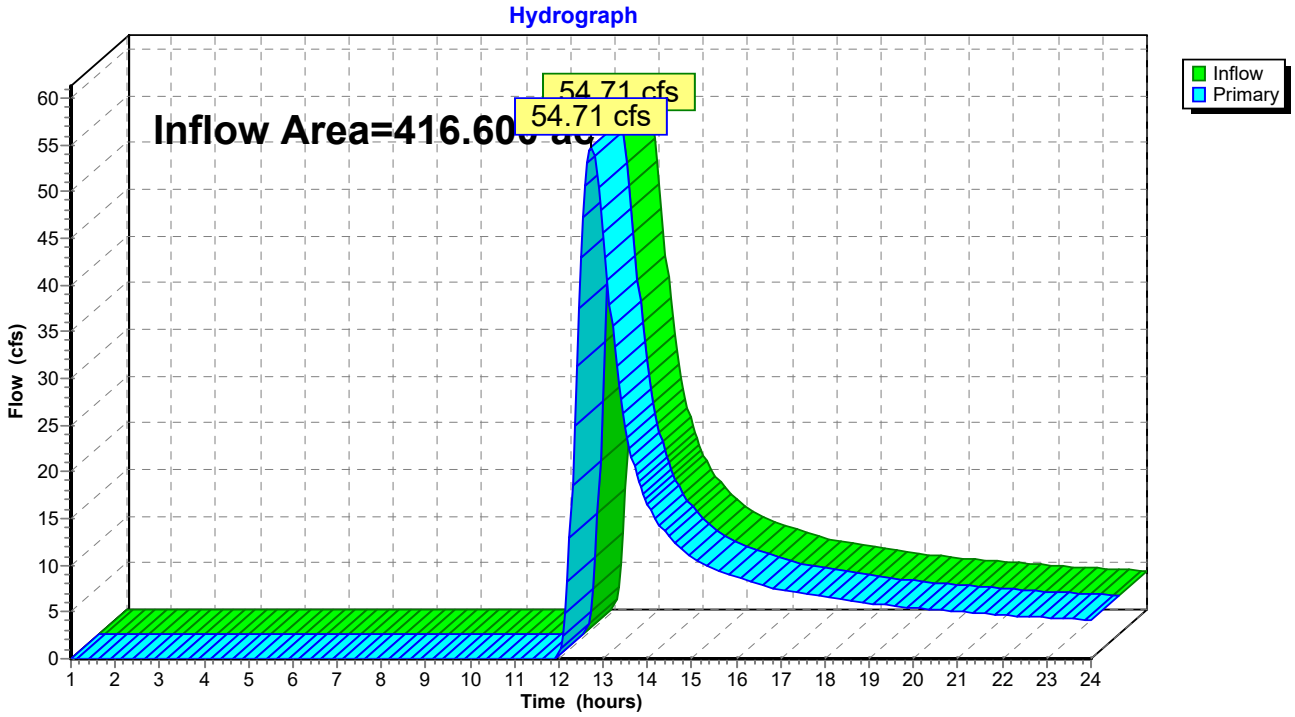


Summary for Link 25L: Y

Inflow Area = 416.600 ac, 0.00% Impervious, Inflow Depth > 0.31" for 1-yr event
Inflow = 54.71 cfs @ 12.74 hrs, Volume= 10.689 af
Primary = 54.71 cfs @ 12.74 hrs, Volume= 10.689 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 25L: Y

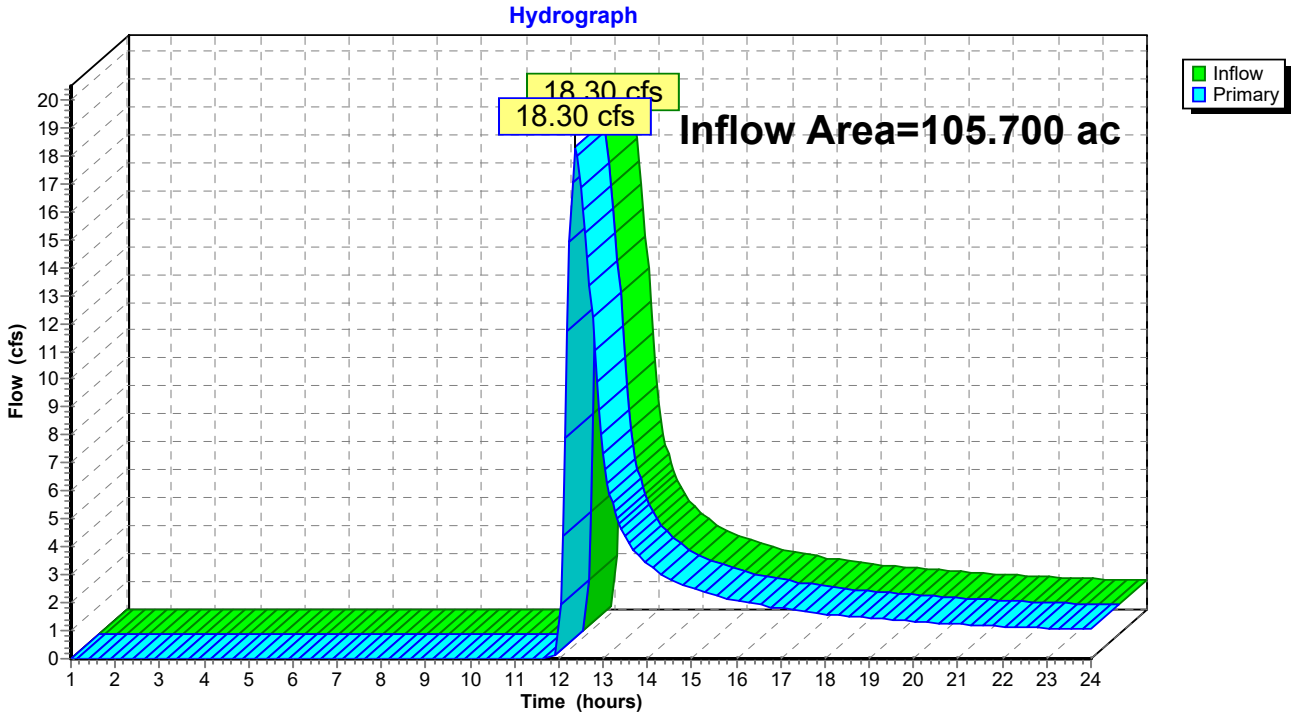


Summary for Link 26L: Z

Inflow Area = 105.700 ac, 0.00% Impervious, Inflow Depth > 0.31" for 1-yr event
Inflow = 18.30 cfs @ 12.38 hrs, Volume= 2.740 af
Primary = 18.30 cfs @ 12.38 hrs, Volume= 2.740 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 26L: Z

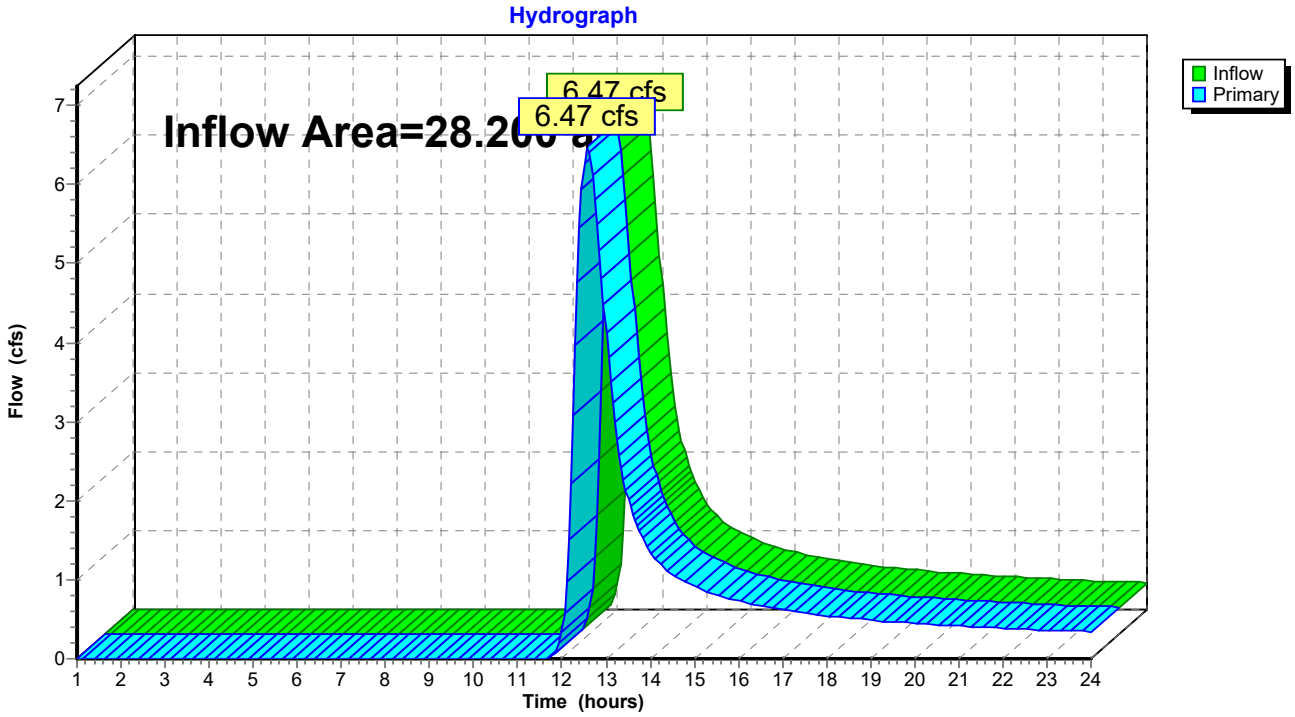


Summary for Link 27L: AA

Inflow Area = 28.200 ac, 0.00% Impervious, Inflow Depth > 0.44" for 1-yr event
Inflow = 6.47 cfs @ 12.58 hrs, Volume= 1.024 af
Primary = 6.47 cfs @ 12.58 hrs, Volume= 1.024 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 27L: AA

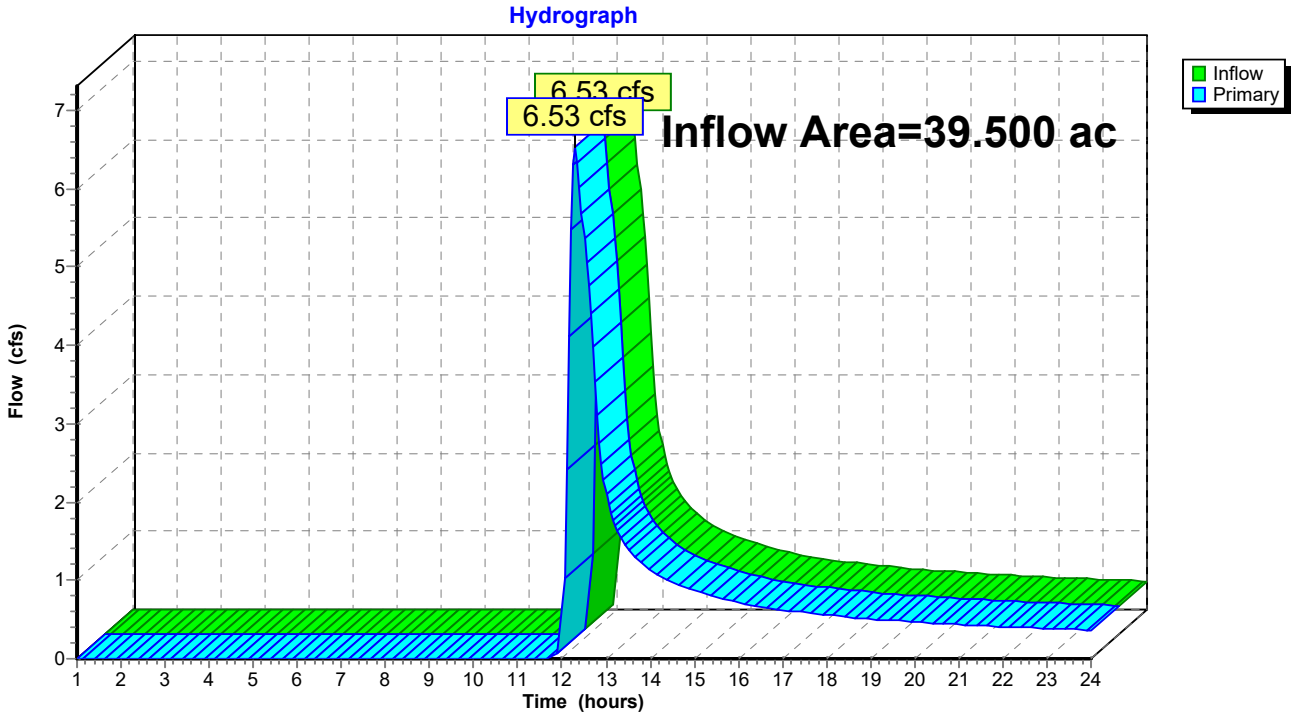


Summary for Link 28L: BB

Inflow Area = 39.500 ac, 0.00% Impervious, Inflow Depth > 0.28" for 1-yr event
Inflow = 6.53 cfs @ 12.30 hrs, Volume= 0.936 af
Primary = 6.53 cfs @ 12.30 hrs, Volume= 0.936 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 28L: BB

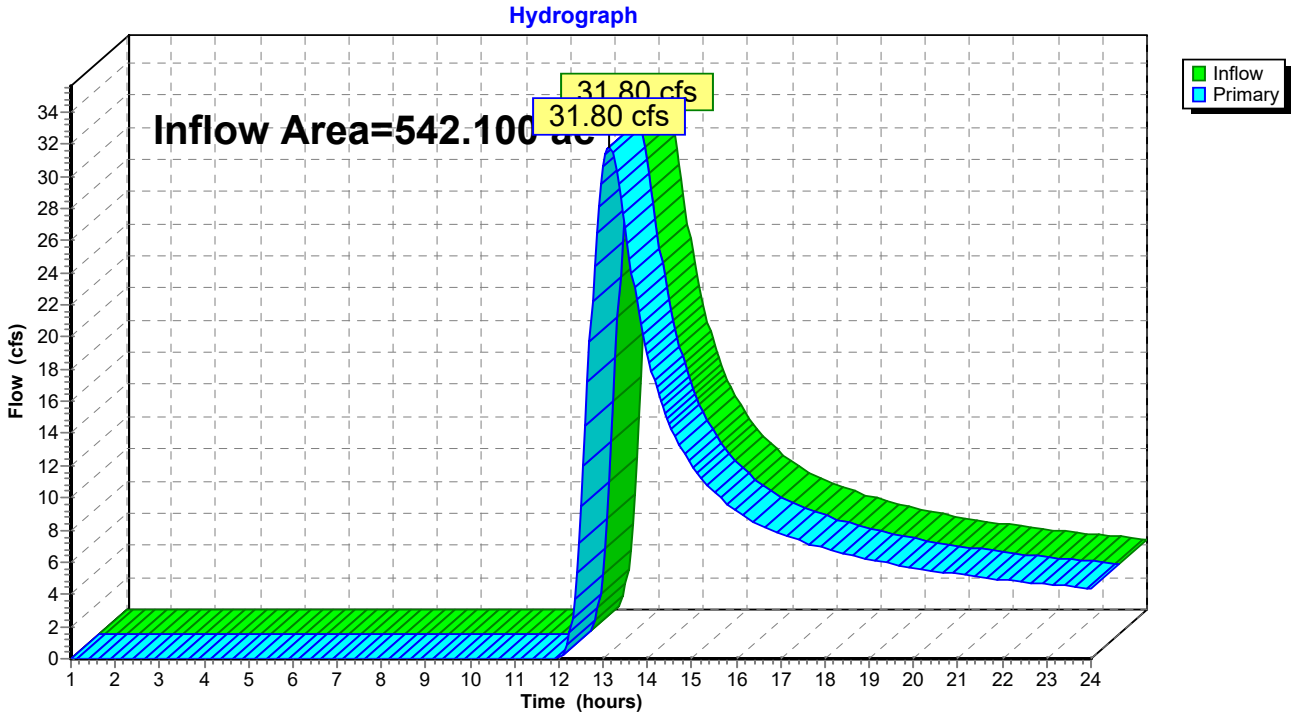


Summary for Link 29L: CC

Inflow Area = 542.100 ac, 0.00% Impervious, Inflow Depth > 0.20" for 1-yr event
Inflow = 31.80 cfs @ 13.14 hrs, Volume= 9.227 af
Primary = 31.80 cfs @ 13.14 hrs, Volume= 9.227 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 29L: CC

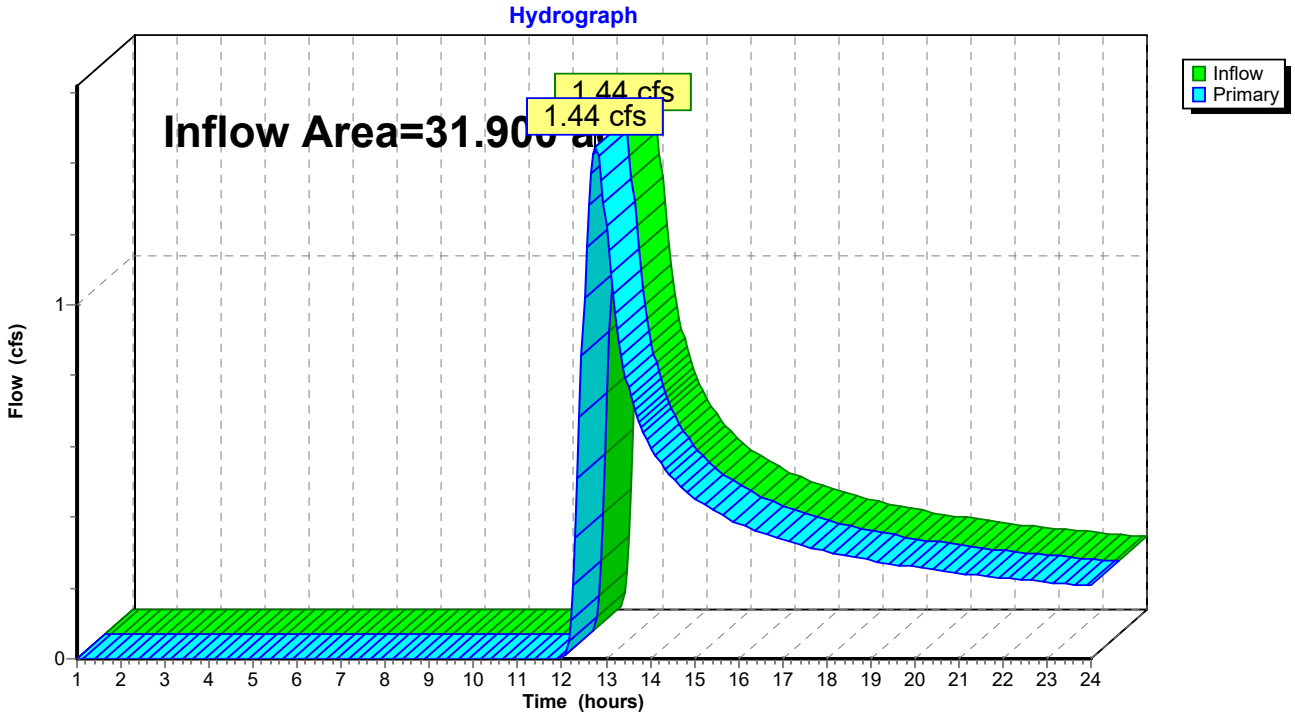


Summary for Link 30L: DD

Inflow Area = 31.900 ac, 0.00% Impervious, Inflow Depth > 0.15" for 1-yr event
Inflow = 1.44 cfs @ 12.76 hrs, Volume= 0.390 af
Primary = 1.44 cfs @ 12.76 hrs, Volume= 0.390 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 30L: DD



Time span=1.00-24.00 hrs, dt=0.05 hrs, 461 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: 1 Runoff Area=1,046.600 ac 0.00% Impervious Runoff Depth>1.03"
Flow Length=16,710' Slope=0.0270 '/' Tc=87.0 min CN=76 Runoff=409.61 cfs 89.444 af

Subcatchment2S: 2 Runoff Area=153.300 ac 0.00% Impervious Runoff Depth>1.21"
Flow Length=4,670' Tc=51.1 min CN=79 Runoff=101.32 cfs 15.509 af

Subcatchment3S: 3 Runoff Area=29.300 ac 0.00% Impervious Runoff Depth>1.29"
Flow Length=1,150' Tc=26.3 min CN=80 Runoff=28.89 cfs 3.140 af

Subcatchment4S: 4 Runoff Area=567.000 ac 0.00% Impervious Runoff Depth>1.15"
Flow Length=11,900' Tc=72.6 min CN=78 Runoff=285.30 cfs 54.126 af

Subcatchment5S: 5 Runoff Area=523.000 ac 0.00% Impervious Runoff Depth>0.84"
Flow Length=1,375' Slope=0.2200 '/' Tc=11.8 min CN=72 Runoff=433.92 cfs 36.652 af

Subcatchment6S: 6 Runoff Area=1,007.200 ac 0.00% Impervious Runoff Depth>0.98"
Flow Length=9,785' Tc=53.1 min CN=75 Runoff=510.98 cfs 82.503 af

Subcatchment7S: 7 Runoff Area=104.600 ac 0.00% Impervious Runoff Depth>0.94"
Flow Length=3,500' Slope=0.0900 '/' Tc=24.2 min CN=74 Runoff=73.96 cfs 8.187 af

Subcatchment8S: 8 Runoff Area=735.000 ac 0.00% Impervious Runoff Depth>1.02"
Flow Length=8,910' Tc=92.8 min CN=76 Runoff=276.06 cfs 62.681 af

Subcatchment9S: 9 Runoff Area=94.800 ac 0.00% Impervious Runoff Depth>0.89"
Flow Length=2,775' Tc=21.4 min CN=73 Runoff=65.89 cfs 7.018 af

Subcatchment10S: 10 Runoff Area=24.200 ac 0.00% Impervious Runoff Depth>0.61"
Flow Length=1,385' Tc=29.0 min CN=67 Runoff=8.77 cfs 1.226 af

Subcatchment11S: 11 Runoff Area=683.900 ac 0.00% Impervious Runoff Depth>0.68"
Flow Length=8,510' Tc=93.4 min CN=69 Runoff=153.00 cfs 38.536 af

Subcatchment12S: 12 Runoff Area=201.700 ac 0.00% Impervious Runoff Depth>0.60"
Flow Length=5,325' Tc=49.2 min CN=67 Runoff=57.22 cfs 10.133 af

Subcatchment13S: 13 Runoff Area=142.600 ac 0.00% Impervious Runoff Depth>0.88"
Flow Length=4,230' Tc=36.3 min CN=73 Runoff=76.88 cfs 10.500 af

Subcatchment14S: 14 Runoff Area=92.500 ac 0.00% Impervious Runoff Depth>1.04"
Flow Length=3,010' Tc=42.3 min CN=76 Runoff=56.54 cfs 8.030 af

Subcatchment15S: 15 Runoff Area=85.900 ac 0.00% Impervious Runoff Depth>1.05"
Flow Length=1,410' Tc=22.6 min CN=76 Runoff=71.95 cfs 7.506 af

Subcatchment16S: 16 Runoff Area=111.000 ac 0.00% Impervious Runoff Depth>1.05"
Flow Length=3,030' Tc=32.3 min CN=76 Runoff=77.81 cfs 9.668 af

Subcatchment17S: 17 Runoff Area=6.500 ac 0.00% Impervious Runoff Depth>0.79"
Flow Length=680' Slope=0.2000 '/' Tc=11.1 min CN=71 Runoff=5.07 cfs 0.429 af

Subcatchment18S: 18 Runoff Area=200.200 ac 0.00% Impervious Runoff Depth>0.60"
Flow Length=4,345' Tc=42.4 min CN=67 Runoff=61.21 cfs 10.087 af

Subcatchment19S: 19 Runoff Area=161.200 ac 0.00% Impervious Runoff Depth>1.16"
Flow Length=1,050' Tc=25.9 min CN=78 Runoff=142.78 cfs 15.623 af

Subcatchment20S: 20 Runoff Area=254.500 ac 0.00% Impervious Runoff Depth>0.69"
Flow Length=5,825' Tc=34.2 min CN=69 Runoff=102.84 cfs 14.702 af

Subcatchment21S: 21 Runoff Area=286.300 ac 0.00% Impervious Runoff Depth>0.83"
Flow Length=6,035' Tc=31.9 min CN=72 Runoff=153.25 cfs 19.919 af

Subcatchment22S: 22 Runoff Area=44.800 ac 0.00% Impervious Runoff Depth>0.57"
Flow Length=2,185' Tc=15.8 min CN=66 Runoff=18.94 cfs 2.129 af

Subcatchment23S: 23 Runoff Area=99.100 ac 0.00% Impervious Runoff Depth>0.93"
Flow Length=2,880' Tc=38.7 min CN=74 Runoff=55.64 cfs 7.718 af

Subcatchment24S: 24 Runoff Area=533.100 ac 0.00% Impervious Runoff Depth>0.73"
Flow Length=12,990' Tc=65.9 min CN=70 Runoff=163.86 cfs 32.401 af

Subcatchment25S: 25 Runoff Area=416.600 ac 0.00% Impervious Runoff Depth>0.99"
Flow Length=7,355' Tc=46.0 min CN=75 Runoff=228.18 cfs 34.210 af

Subcatchment26S: 26 Runoff Area=105.700 ac 0.00% Impervious Runoff Depth>0.99"
Flow Length=1,875' Tc=25.0 min CN=75 Runoff=78.60 cfs 8.742 af

Subcatchment27S: 27 Runoff Area=28.200 ac 0.00% Impervious Runoff Depth>1.22"
Flow Length=1,470' Tc=39.7 min CN=79 Runoff=21.30 cfs 2.863 af

Subcatchment28S: 28 Runoff Area=39.500 ac 0.00% Impervious Runoff Depth>0.94"
Flow Length=2,680' Slope=0.1300 '/' Tc=19.5 min CN=74 Runoff=30.83 cfs 3.097 af

Subcatchment29S: 29 Runoff Area=542.100 ac 0.00% Impervious Runoff Depth>0.78"
Flow Length=10,730' Tc=67.0 min CN=71 Runoff=180.04 cfs 35.040 af

Subcatchment30S: 30 Runoff Area=31.900 ac 0.00% Impervious Runoff Depth>0.65"
Flow Length=1,210' Tc=35.4 min CN=68 Runoff=11.66 cfs 1.725 af

Link 1L: A Inflow=409.61 cfs 89.444 af
Primary=409.61 cfs 89.444 af

Link 2L: B Inflow=101.32 cfs 15.509 af
Primary=101.32 cfs 15.509 af

Link 3L: C Inflow=28.89 cfs 3.140 af
Primary=28.89 cfs 3.140 af

Link 4L: D Inflow=285.30 cfs 54.126 af
Primary=285.30 cfs 54.126 af

Link 5L: E Inflow=433.92 cfs 36.652 af
Primary=433.92 cfs 36.652 af

Link 6L: F Inflow=510.98 cfs 82.503 af
Primary=510.98 cfs 82.503 af

Link 7L: G Inflow=73.96 cfs 8.187 af
Primary=73.96 cfs 8.187 af

Link 8L: H Inflow=276.06 cfs 62.681 af
Primary=276.06 cfs 62.681 af

Link 9L: I Inflow=65.89 cfs 7.018 af
Primary=65.89 cfs 7.018 af

Link 10L: J Inflow=8.77 cfs 1.226 af
Primary=8.77 cfs 1.226 af

Link 11L: K Inflow=153.00 cfs 38.536 af
Primary=153.00 cfs 38.536 af

Link 12L: L Inflow=57.22 cfs 10.133 af
Primary=57.22 cfs 10.133 af

Link 13L: M Inflow=76.88 cfs 10.500 af
Primary=76.88 cfs 10.500 af

Link 14L: N Inflow=56.54 cfs 8.030 af
Primary=56.54 cfs 8.030 af

Link 15L: O Inflow=71.95 cfs 7.506 af
Primary=71.95 cfs 7.506 af

Link 16L: P Inflow=77.81 cfs 9.668 af
Primary=77.81 cfs 9.668 af

Link 17L: Q Inflow=5.07 cfs 0.429 af
Primary=5.07 cfs 0.429 af

Link 18L: R Inflow=61.21 cfs 10.087 af
Primary=61.21 cfs 10.087 af

Link 19L: S Inflow=142.78 cfs 15.623 af
Primary=142.78 cfs 15.623 af

Link 20L: T Inflow=102.84 cfs 14.702 af
Primary=102.84 cfs 14.702 af

Link 21L: U Inflow=153.25 cfs 19.919 af
Primary=153.25 cfs 19.919 af

Link 22L: V Inflow=18.94 cfs 2.129 af
Primary=18.94 cfs 2.129 af

Link 23L: W Inflow=55.64 cfs 7.718 af
Primary=55.64 cfs 7.718 af

Link 24L: X Inflow=163.86 cfs 32.401 af
Primary=163.86 cfs 32.401 af

Link 25L: Y Inflow=228.18 cfs 34.210 af
Primary=228.18 cfs 34.210 af

Link 26L: Z Inflow=78.60 cfs 8.742 af
Primary=78.60 cfs 8.742 af

Link 27L: AA Inflow=21.30 cfs 2.863 af
Primary=21.30 cfs 2.863 af

Link 28L: BB Inflow=30.83 cfs 3.097 af
Primary=30.83 cfs 3.097 af

Link 29L: CC Inflow=180.04 cfs 35.040 af
Primary=180.04 cfs 35.040 af

Link 30L: DD Inflow=11.66 cfs 1.725 af
Primary=11.66 cfs 1.725 af

Total Runoff Area = 8,352.300 ac Runoff Volume = 633.545 af Average Runoff Depth = 0.91"
100.00% Pervious = 8,352.300 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: 1

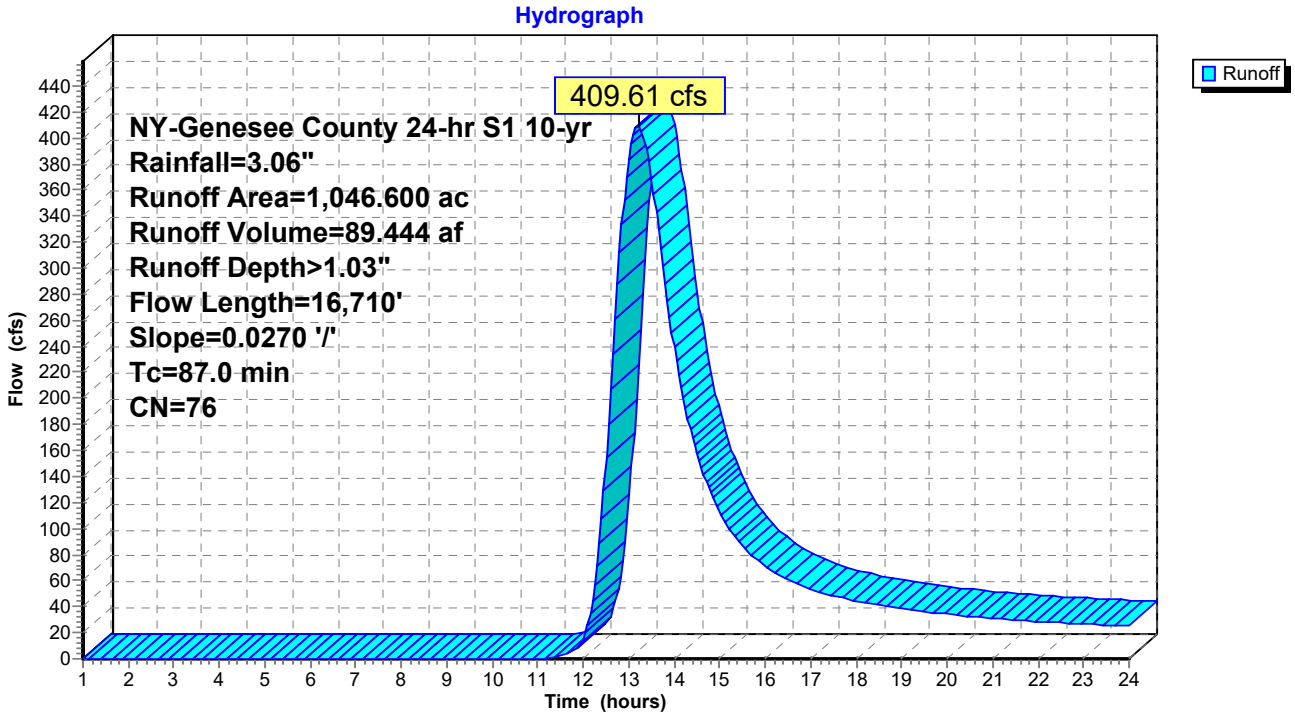
Runoff = 409.61 cfs @ 13.23 hrs, Volume= 89.444 af, Depth> 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	1,046.600	76	
	1,046.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
55.2	16,560		5.00		**Direct Entry,**
87.0	16,710	Total			

Subcatchment 1S: 1



Summary for Subcatchment 2S: 2

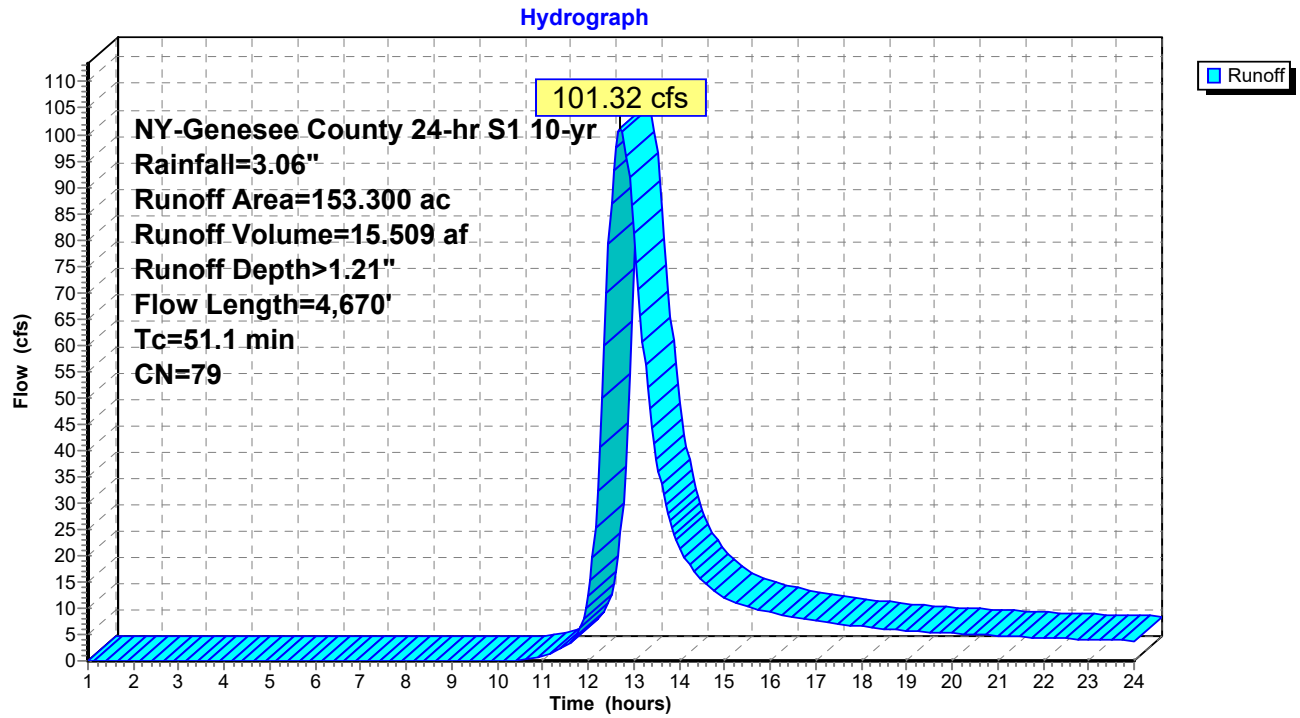
Runoff = 101.32 cfs @ 12.71 hrs, Volume= 15.509 af, Depth> 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	153.300	79	
	153.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.9	2,300	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.4	2,220		5.00		**Direct Entry,**
51.1	4,670	Total			

Subcatchment 2S: 2



Summary for Subcatchment 3S: 3

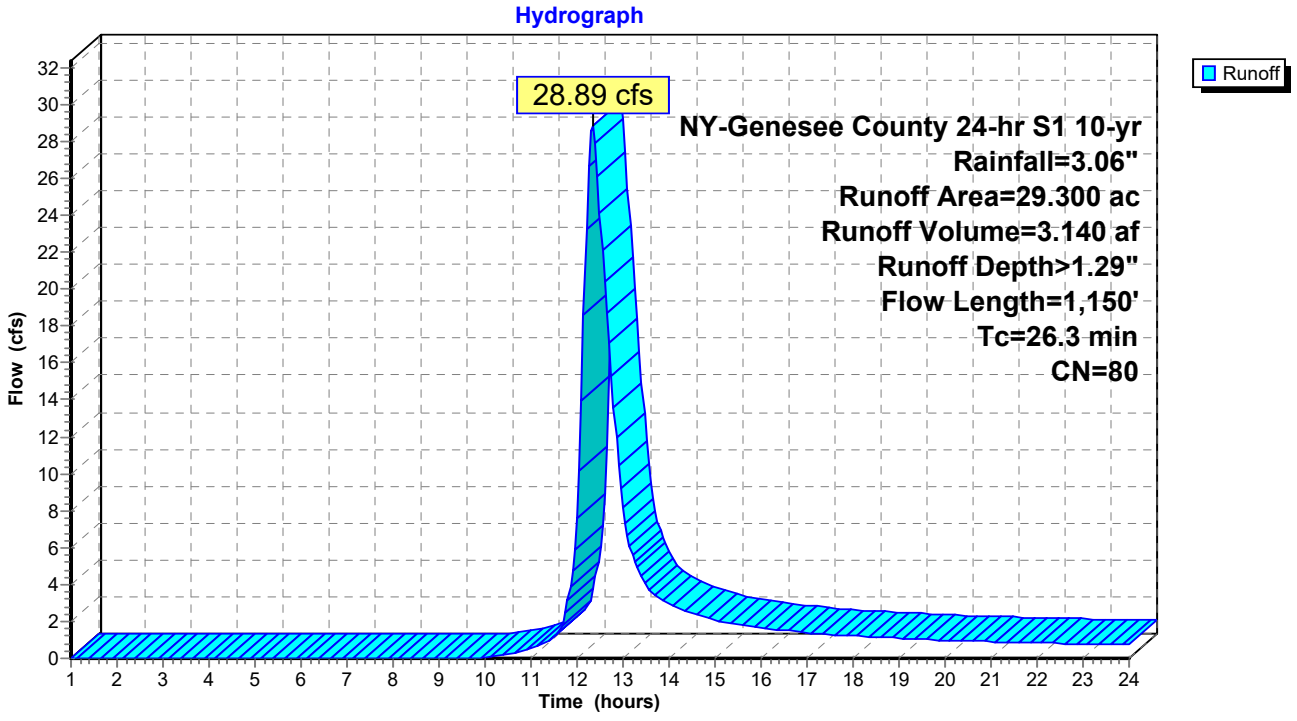
Runoff = 28.89 cfs @ 12.34 hrs, Volume= 3.140 af, Depth> 1.29"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	29.300	80	
	29.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,000	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
26.3	1,150	Total			

Subcatchment 3S: 3



Summary for Subcatchment 4S: 4

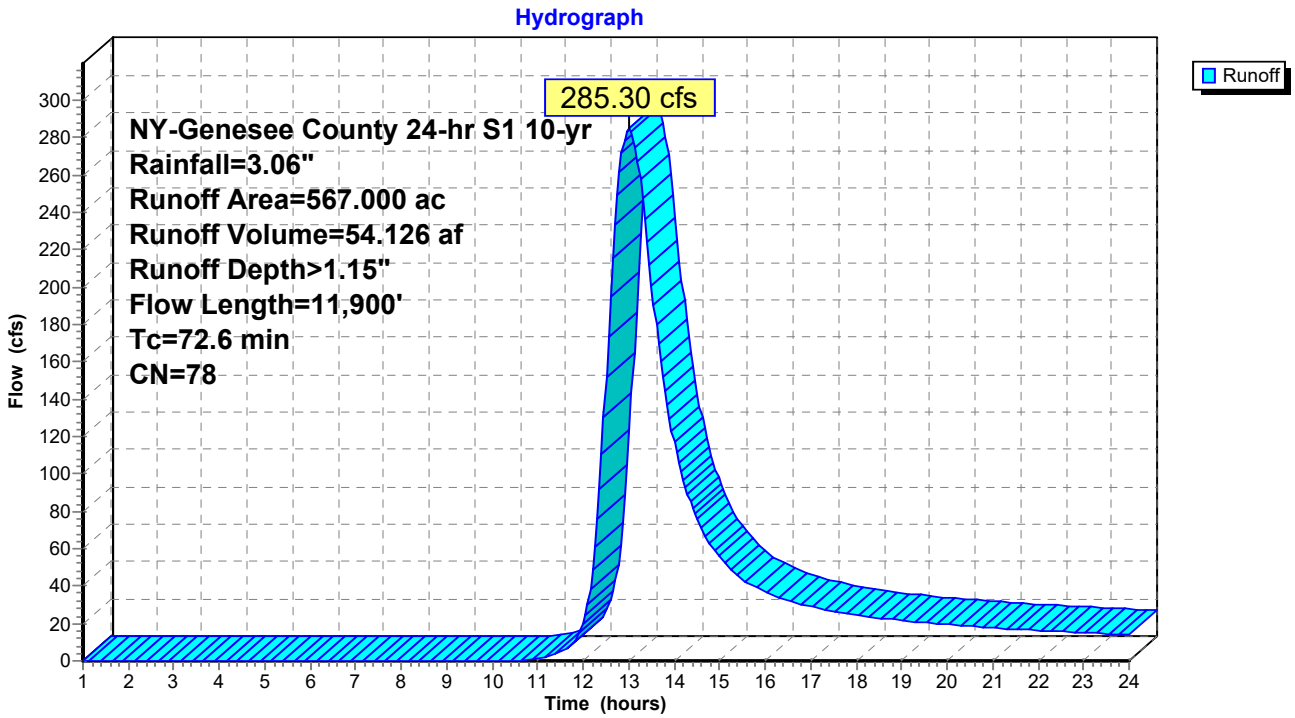
Runoff = 285.30 cfs @ 13.00 hrs, Volume= 54.126 af, Depth> 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	567.000	78	
	567.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
27.1	150	0.0400	0.09		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.7	1,600	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
33.8	10,150		5.00		**Direct Entry,**
72.6	11,900	Total			

Subcatchment 4S: 4



Summary for Subcatchment 5S: 5

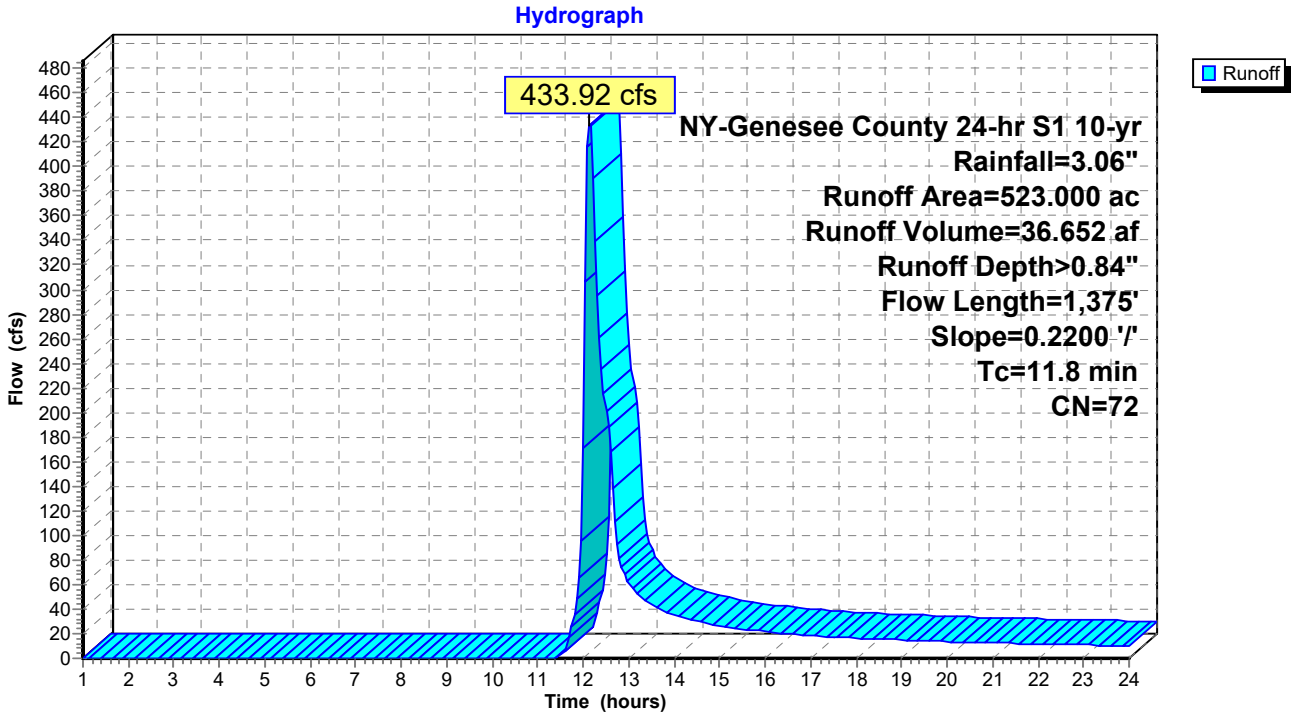
Runoff = 433.92 cfs @ 12.14 hrs, Volume= 36.652 af, Depth> 0.84"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	523.000	72	
	523.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	150	0.2200	0.27		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	1,225	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.8	1,375	Total			

Subcatchment 5S: 5



Summary for Subcatchment 6S: 6

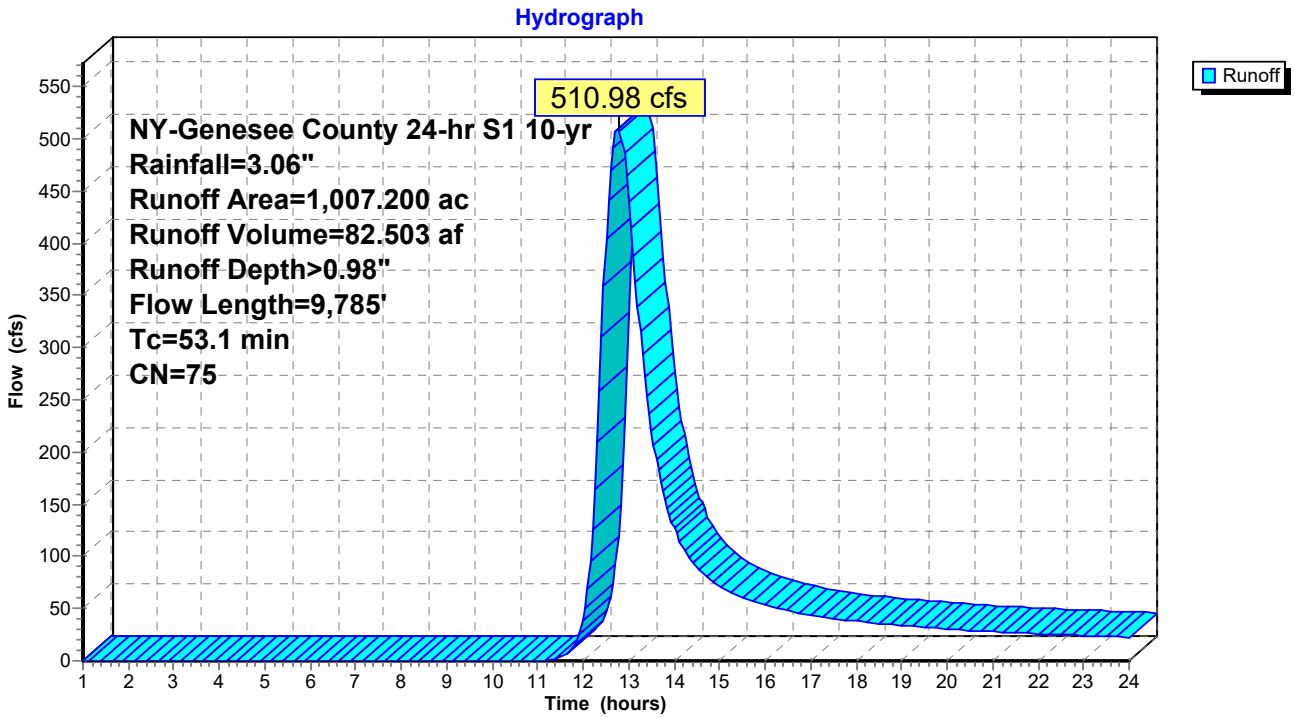
Runoff = 510.98 cfs @ 12.77 hrs, Volume= 82.503 af, Depth> 0.98"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	1,007.200	75	
	1,007.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.7	1,450	0.1000	5.09		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
27.3	8,185		5.00		**Direct Entry,**
53.1	9,785	Total			

Subcatchment 6S: 6



Summary for Subcatchment 7S: 7

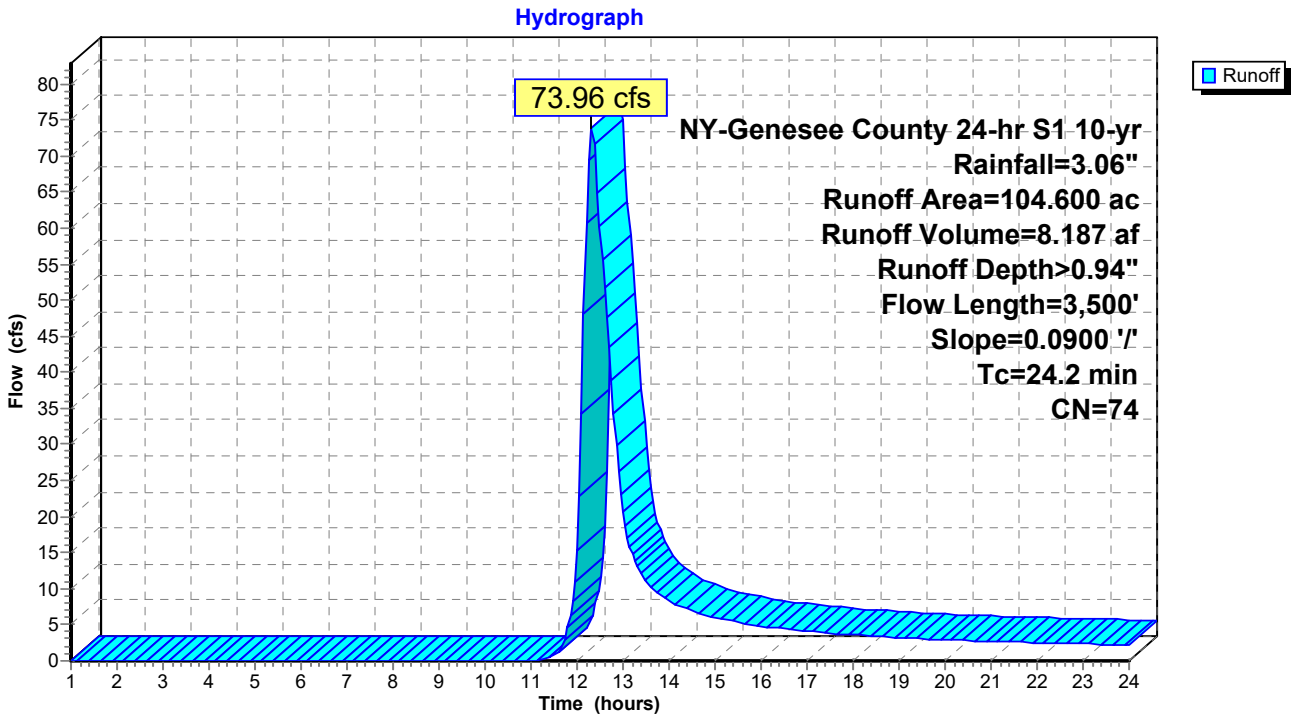
Runoff = 73.96 cfs @ 12.32 hrs, Volume= 8.187 af, Depth> 0.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	104.600	74	
	104.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	500	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
9.5	2,850		5.00		**Direct Entry,**
24.2	3,500	Total			

Subcatchment 7S: 7



Summary for Subcatchment 8S: 8

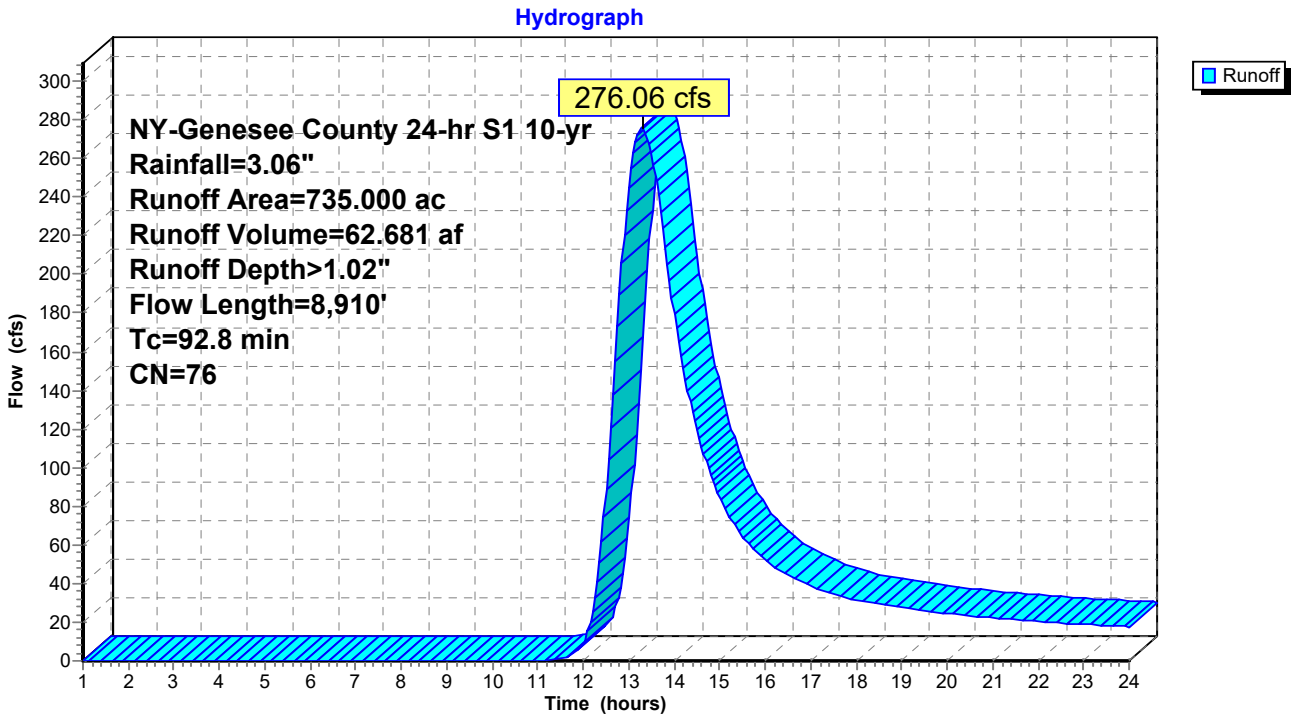
Runoff = 276.06 cfs @ 13.30 hrs, Volume= 62.681 af, Depth> 1.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	735.000	76	
	735.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
47.3	150	0.0100	0.05		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
30.0	4,100	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
15.5	4,660		5.00		**Direct Entry,**
92.8	8,910	Total			

Subcatchment 8S: 8



Summary for Subcatchment 9S: 9

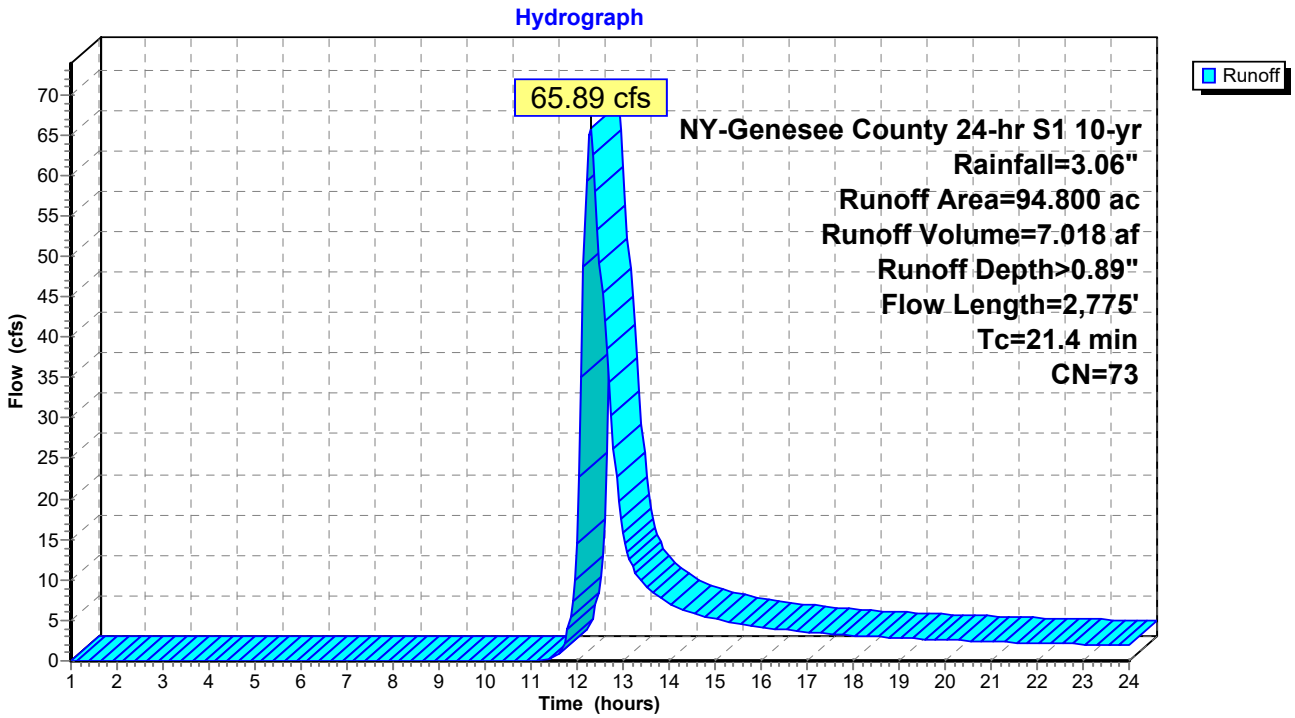
Runoff = 65.89 cfs @ 12.28 hrs, Volume= 7.018 af, Depth> 0.89"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	94.800	73	
	94.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	625	0.1500	6.24		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.7	2,000		5.00		**Direct Entry,**
21.4	2,775	Total			

Subcatchment 9S: 9



Summary for Subcatchment 10S: 10

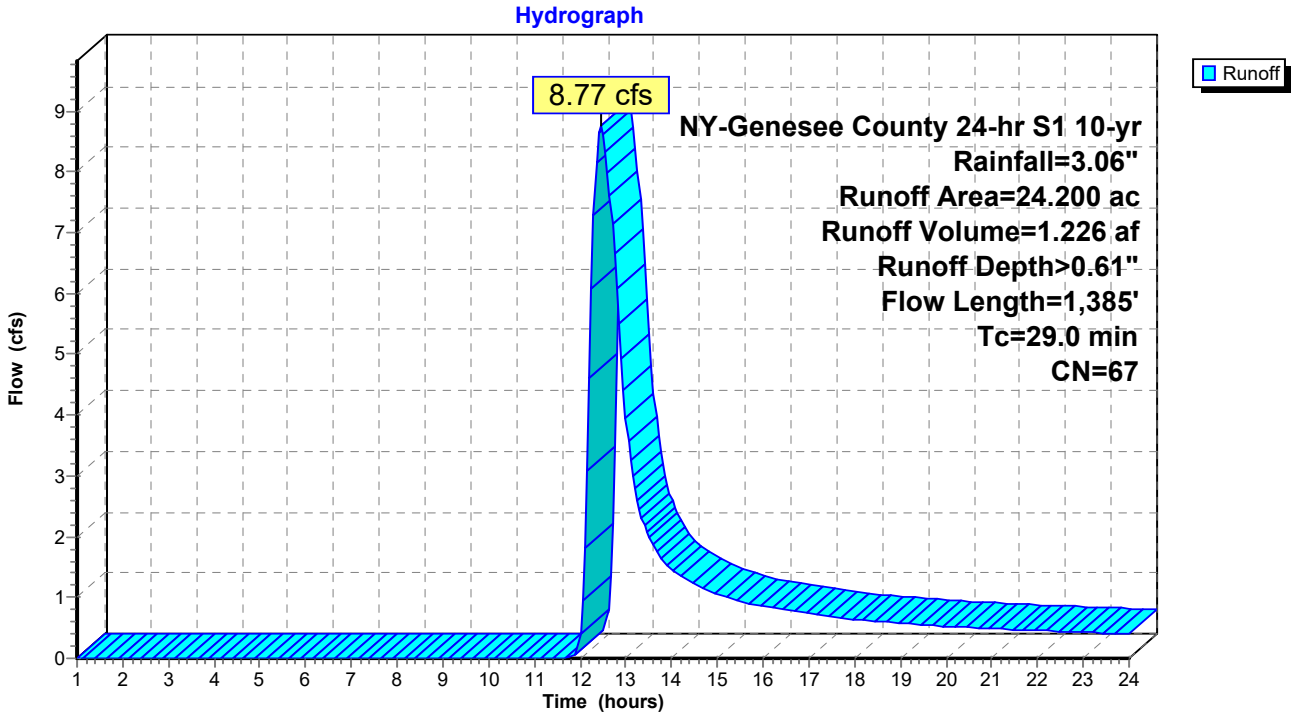
Runoff = 8.77 cfs @ 12.45 hrs, Volume= 1.226 af, Depth> 0.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	24.200	67	
	24.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,235	0.0600	3.94		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
29.0	1,385	Total			

Subcatchment 10S: 10



Summary for Subcatchment 11S: 11

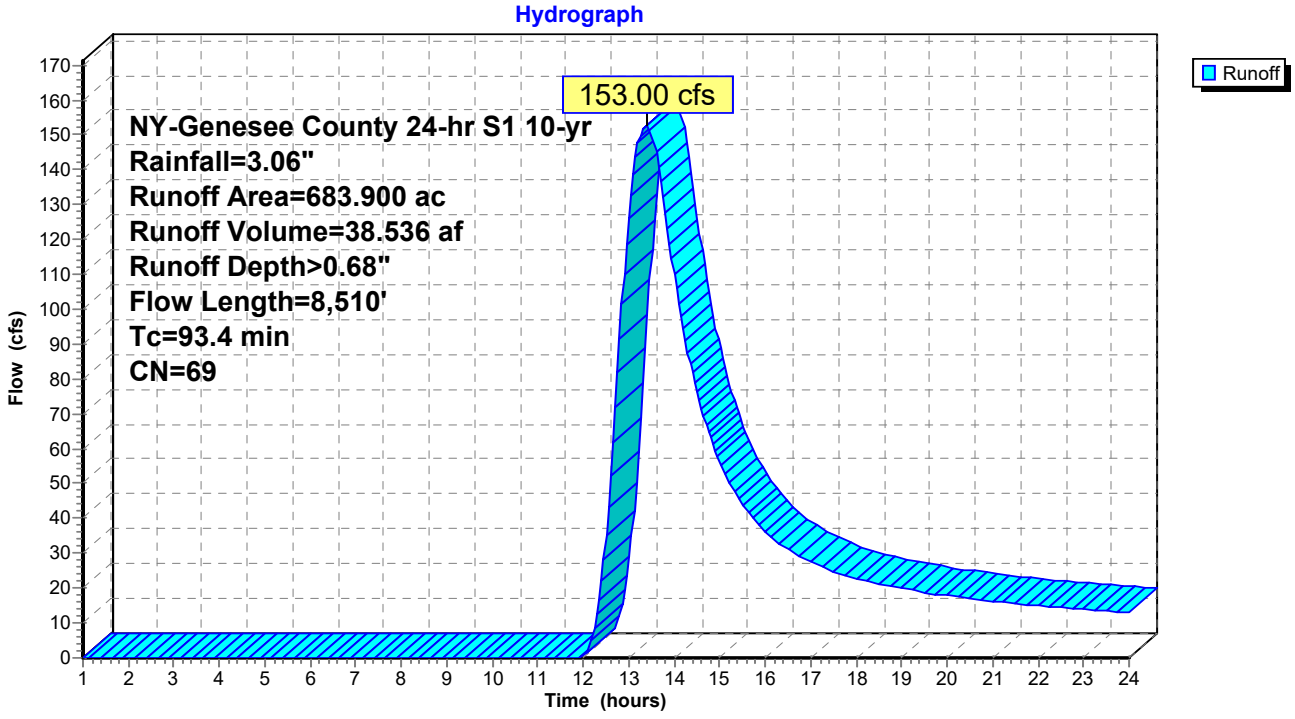
Runoff = 153.00 cfs @ 13.38 hrs, Volume= 38.536 af, Depth> 0.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	683.900	69	
	683.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.1	30	0.3300	0.23		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
64.2	6,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.2	2,160		5.00		**Direct Entry,**
93.4	8,510	Total			

Subcatchment 11S: 11



Summary for Subcatchment 12S: 12

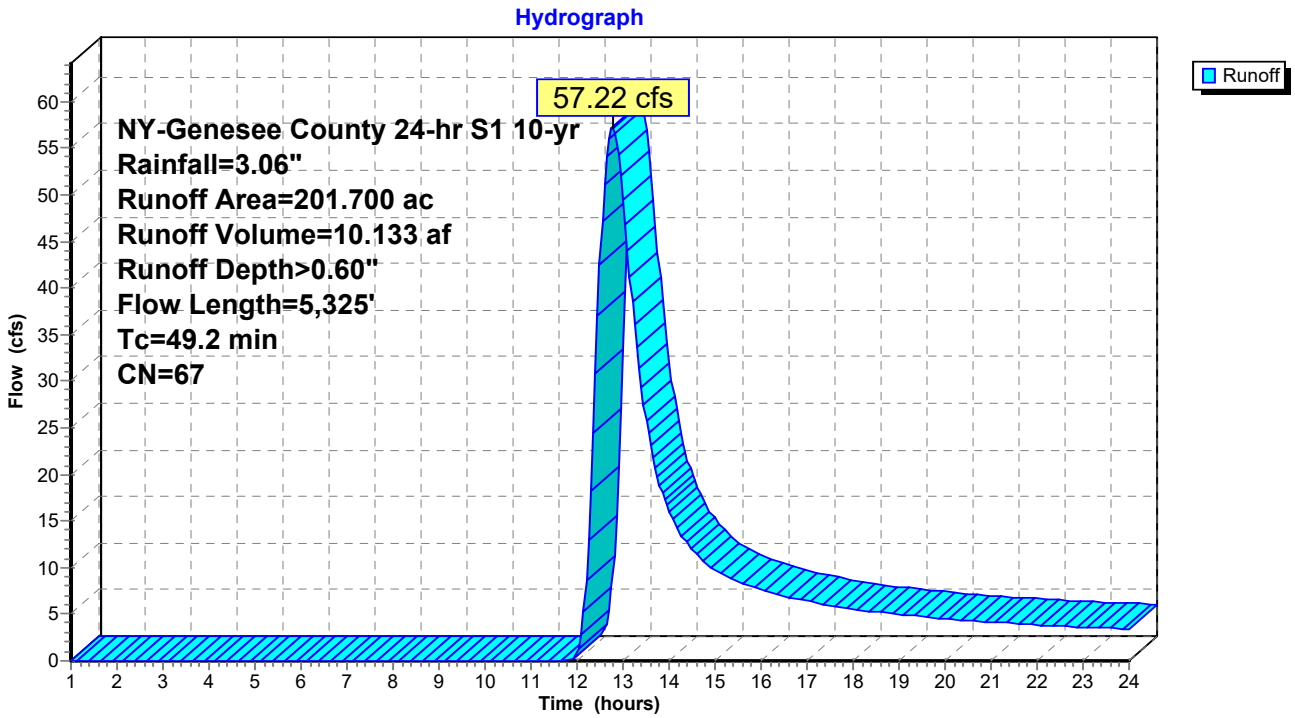
Runoff = 57.22 cfs @ 12.77 hrs, Volume= 10.133 af, Depth> 0.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	201.700	67	
	201.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.6	1,810	0.0800	4.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.2	3,365		5.00		**Direct Entry,**
49.2	5,325	Total			

Subcatchment 12S: 12



Summary for Subcatchment 13S: 13

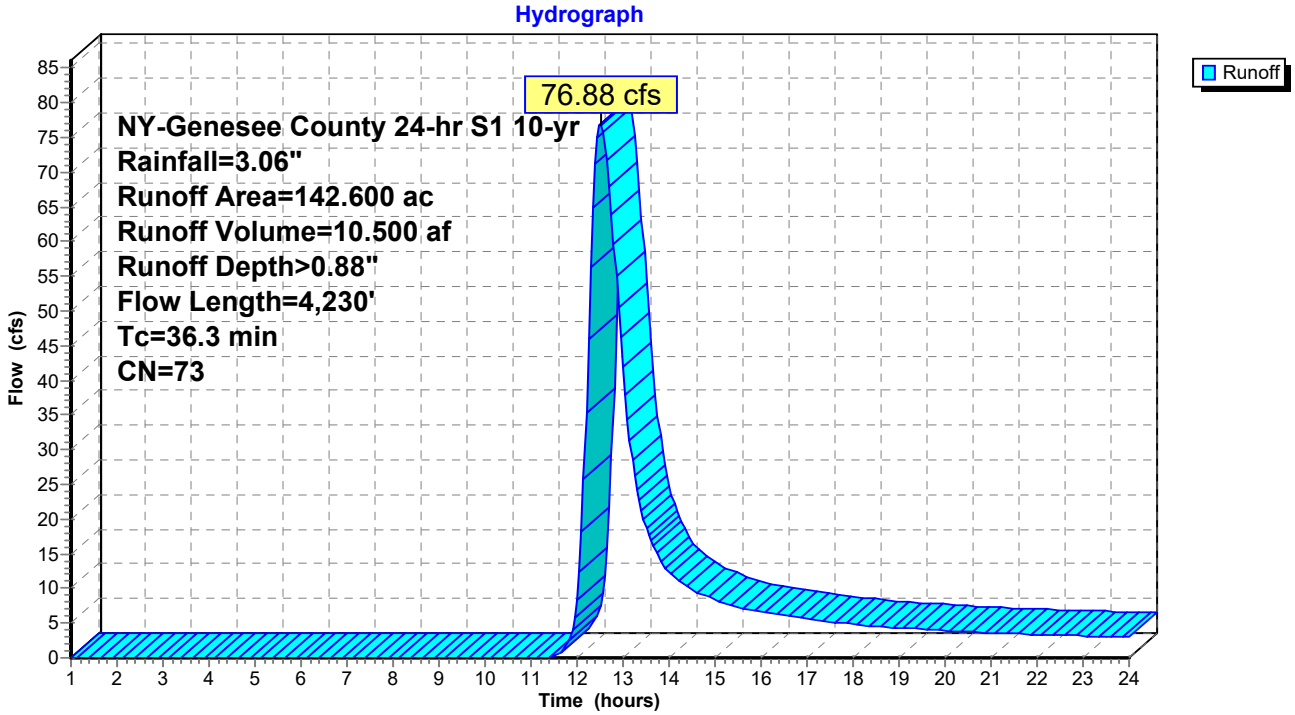
Runoff = 76.88 cfs @ 12.52 hrs, Volume= 10.500 af, Depth> 0.88"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	142.600	73	
	142.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.6	150	0.0100	0.12		**Sheet Flow,** Grass: Short n= 0.150 P2= 2.20"
2.8	510	0.0350	3.01		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.9	3,570		5.00		**Direct Entry,**
36.3	4,230	Total			

Subcatchment 13S: 13



Summary for Subcatchment 14S: 14

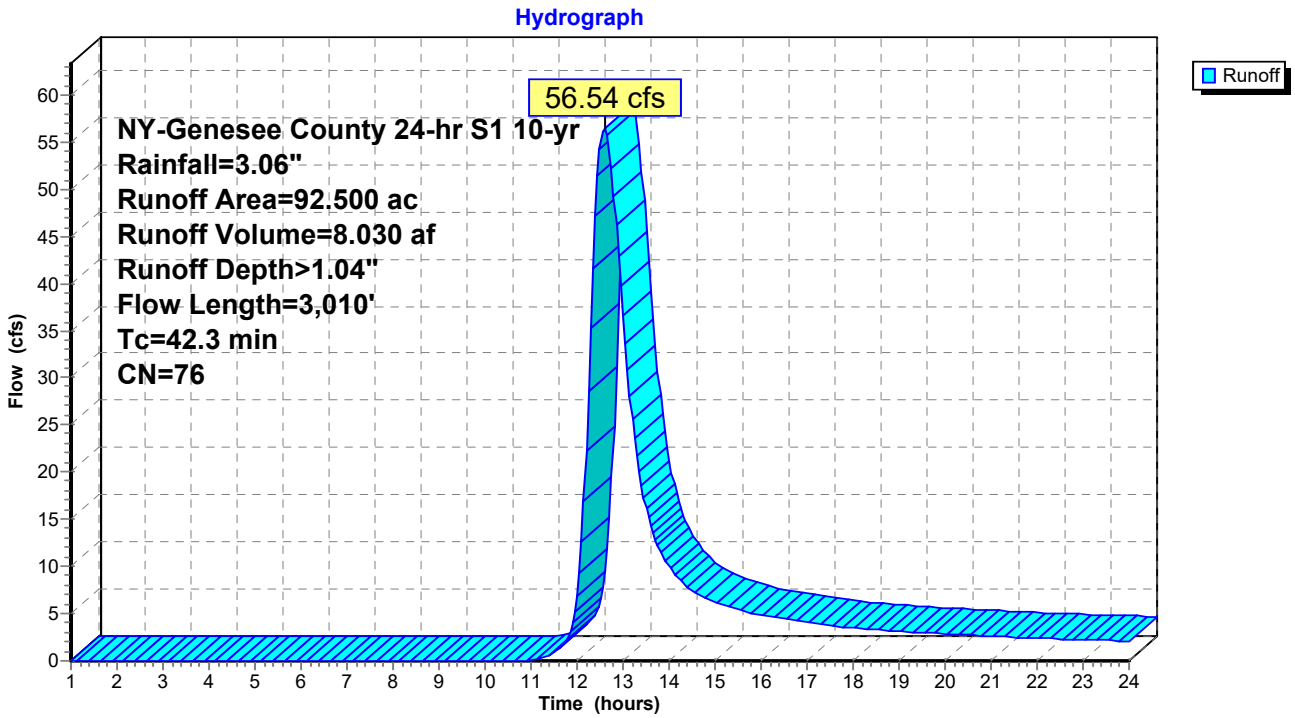
Runoff = 56.54 cfs @ 12.60 hrs, Volume= 8.030 af, Depth> 1.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	92.500	76	
	92.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.8	1,040	0.0500	3.60		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.1	1,820		5.00		**Direct Entry,**
42.3	3,010	Total			

Subcatchment 14S: 14



Summary for Subcatchment 15S: 15

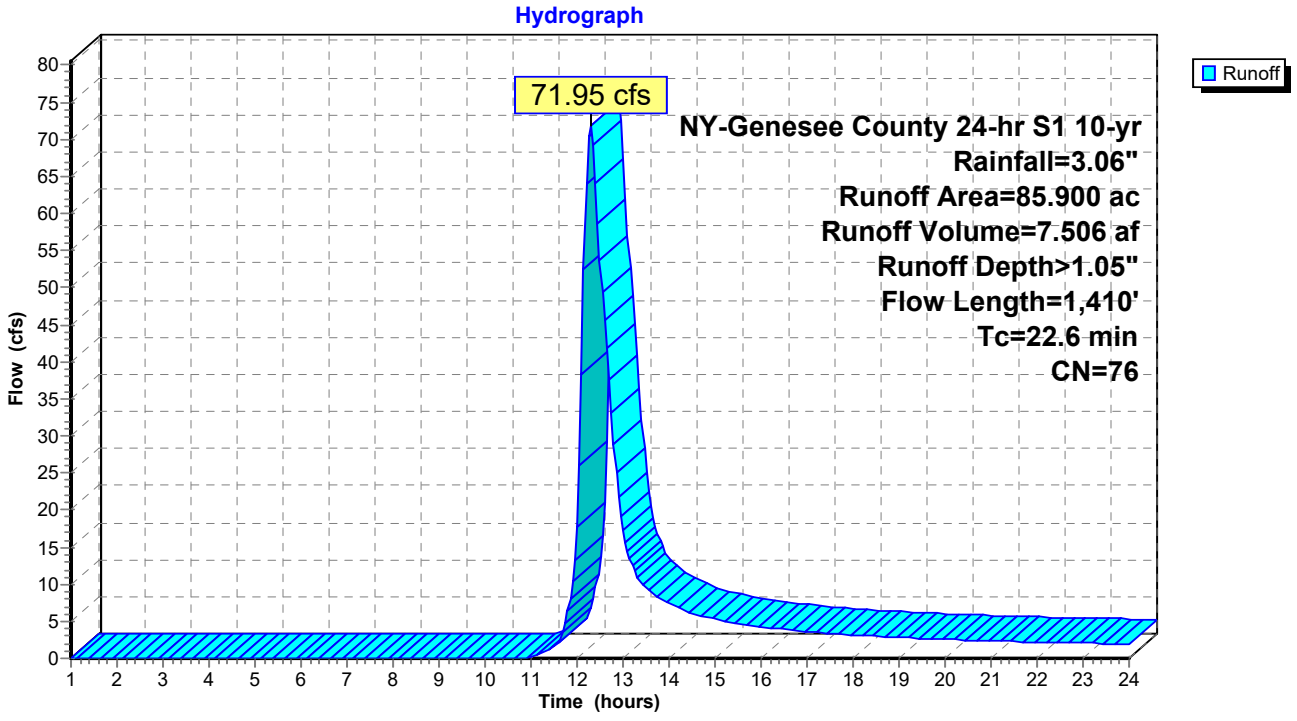
Runoff = 71.95 cfs @ 12.29 hrs, Volume= 7.506 af, Depth> 1.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	85.900	76	
	85.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.1	150	0.0530	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	1,260	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
22.6	1,410	Total			

Subcatchment 15S: 15



Summary for Subcatchment 16S: 16

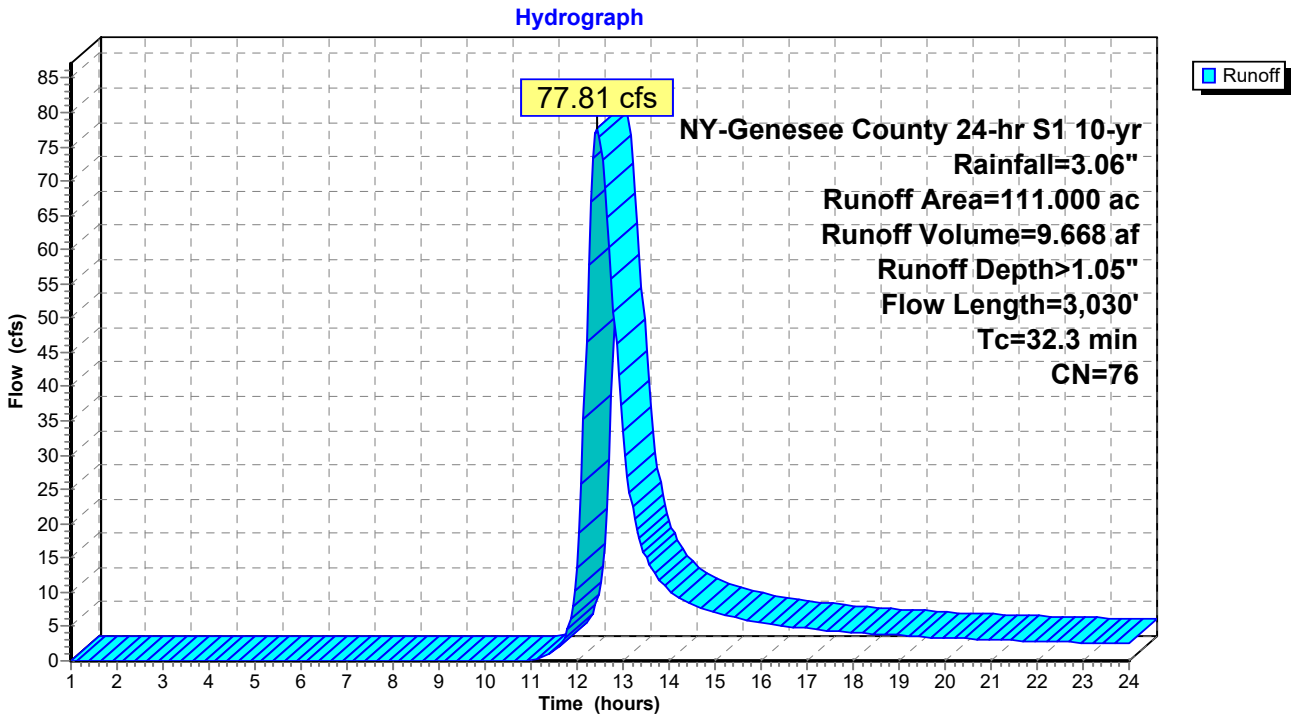
Runoff = 77.81 cfs @ 12.44 hrs, Volume= 9.668 af, Depth> 1.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	111.000	76	
	111.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.5	150	0.0500	0.15		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
14.0	2,350	0.0300	2.79		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	530		5.00		**Direct Entry,**
32.3	3,030	Total			

Subcatchment 16S: 16



Summary for Subcatchment 17S: 17

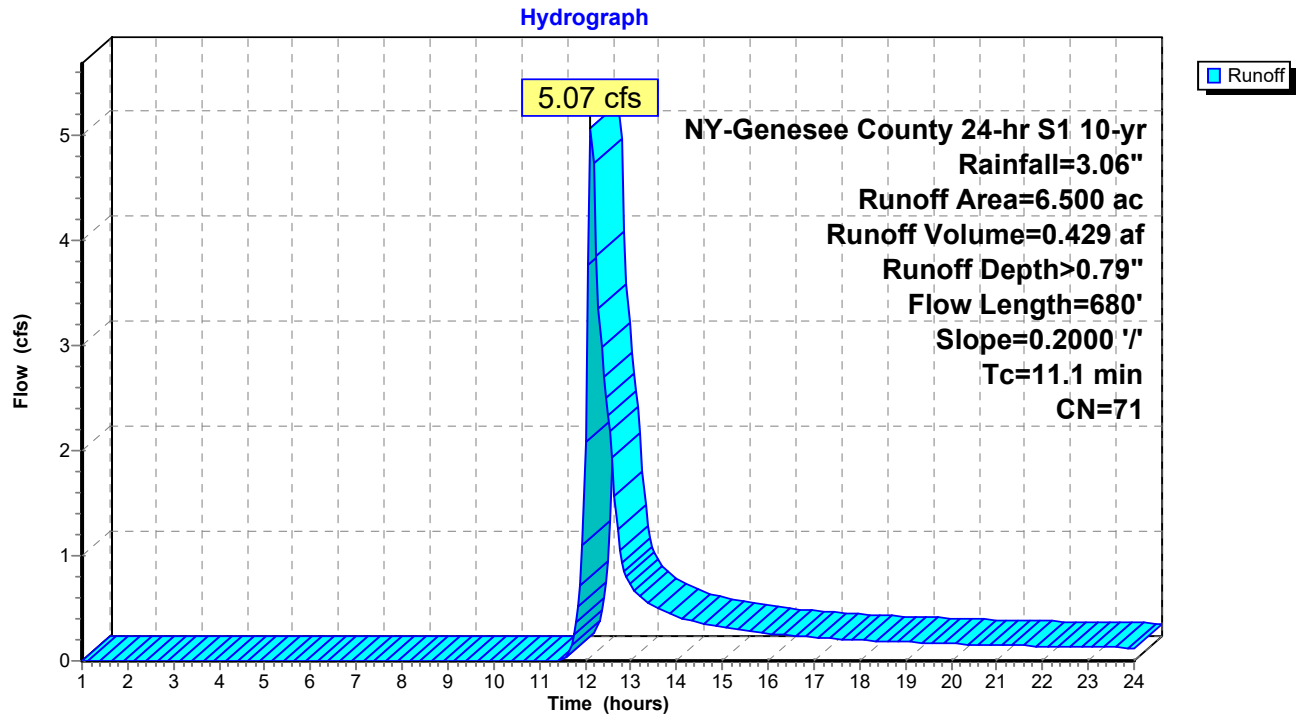
Runoff = 5.07 cfs @ 12.13 hrs, Volume= 0.429 af, Depth> 0.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	6.500	71	
	6.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
0.3	150	0.2000	7.20		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	380		5.00		**Direct Entry,**
11.1	680	Total			

Subcatchment 17S: 17



Summary for Subcatchment 18S: 18

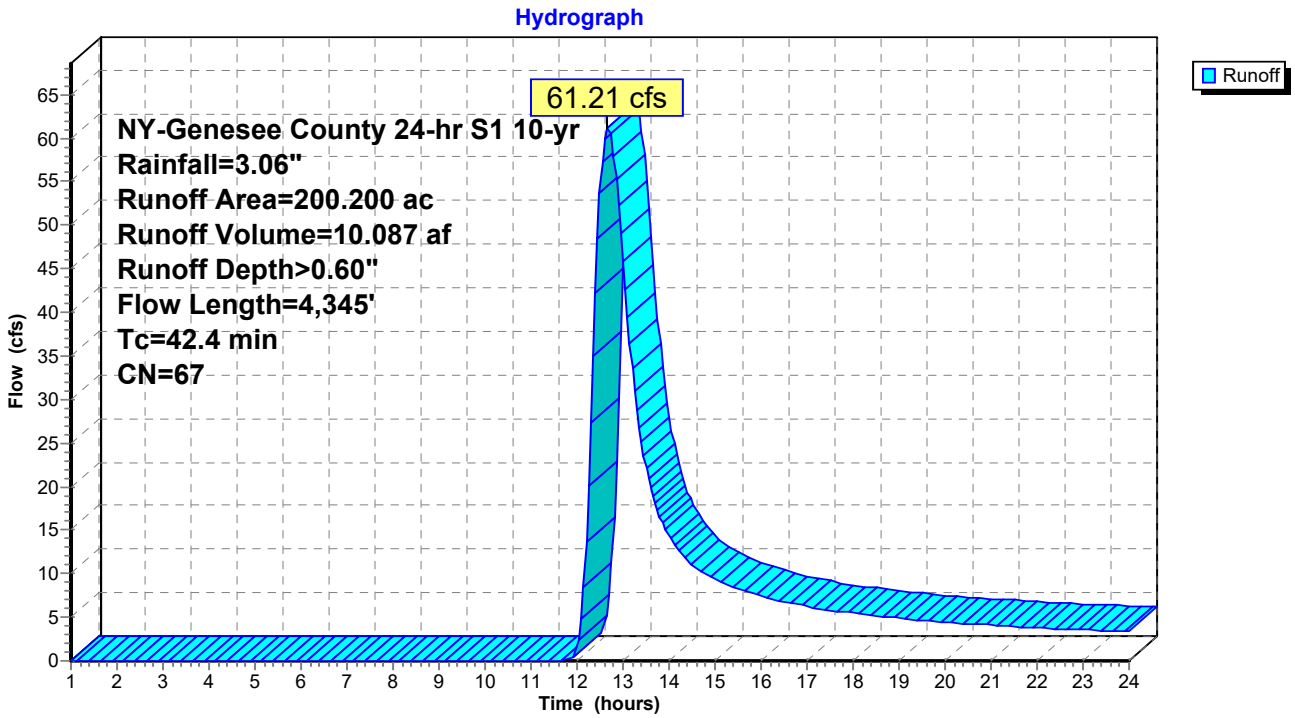
Runoff = 61.21 cfs @ 12.67 hrs, Volume= 10.087 af, Depth> 0.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	200.200	67	
	200.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.5	150	0.0330	0.13		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
16.3	2,225	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.6	1,970		5.00		**Direct Entry,**
42.4	4,345	Total			

Subcatchment 18S: 18



Summary for Subcatchment 19S: 19

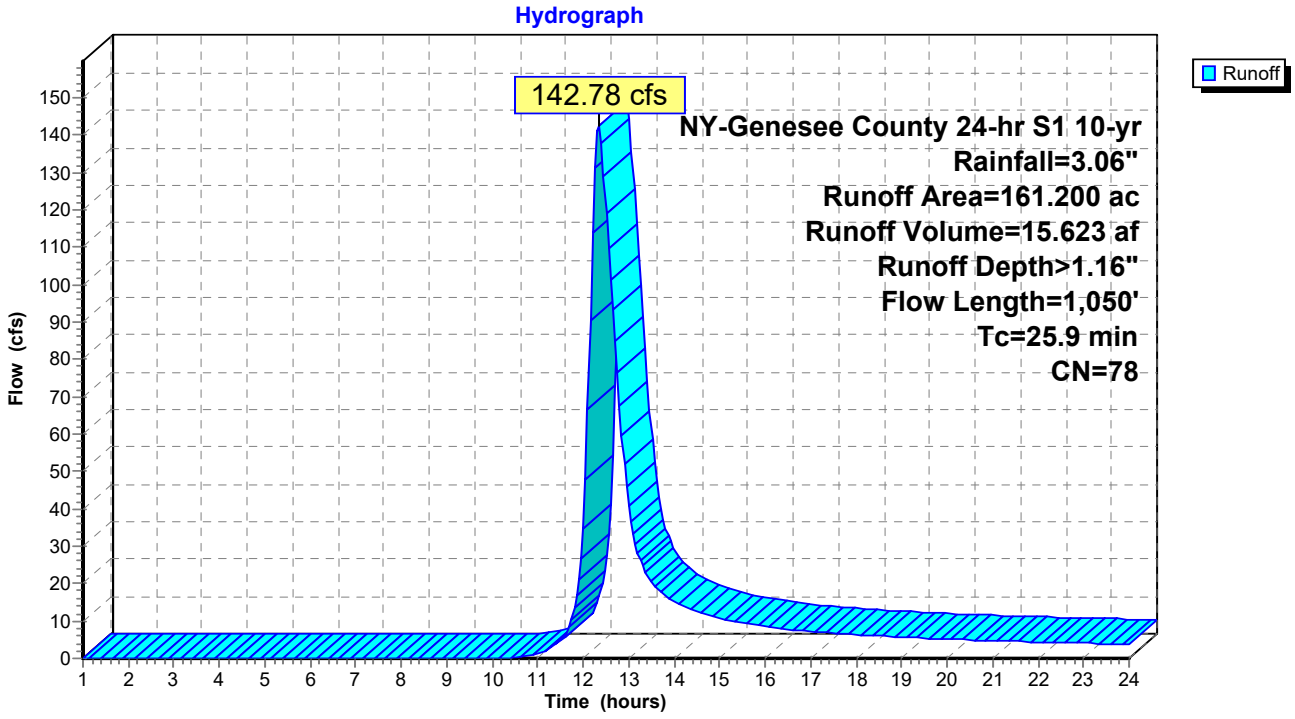
Runoff = 142.78 cfs @ 12.34 hrs, Volume= 15.623 af, Depth> 1.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	161.200	78	
	161.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.9	30	0.1500	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
3.1	900	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
25.9	1,050	Total			

Subcatchment 19S: 19



Summary for Subcatchment 20S: 20

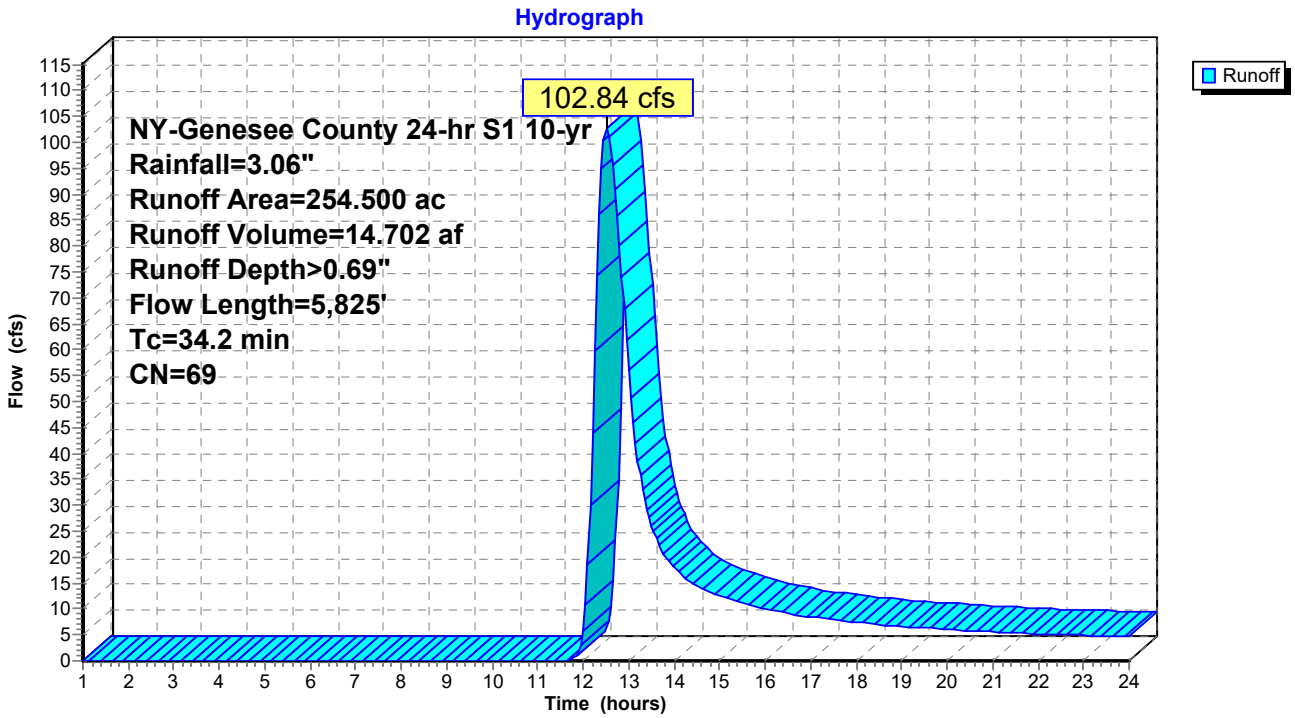
Runoff = 102.84 cfs @ 12.52 hrs, Volume= 14.702 af, Depth> 0.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	254.500	69	
	254.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	150	0.1000	0.20		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.8	1,500	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
13.9	4,175		5.00		**Direct Entry,**
34.2	5,825	Total			

Subcatchment 20S: 20



Summary for Subcatchment 21S: 21

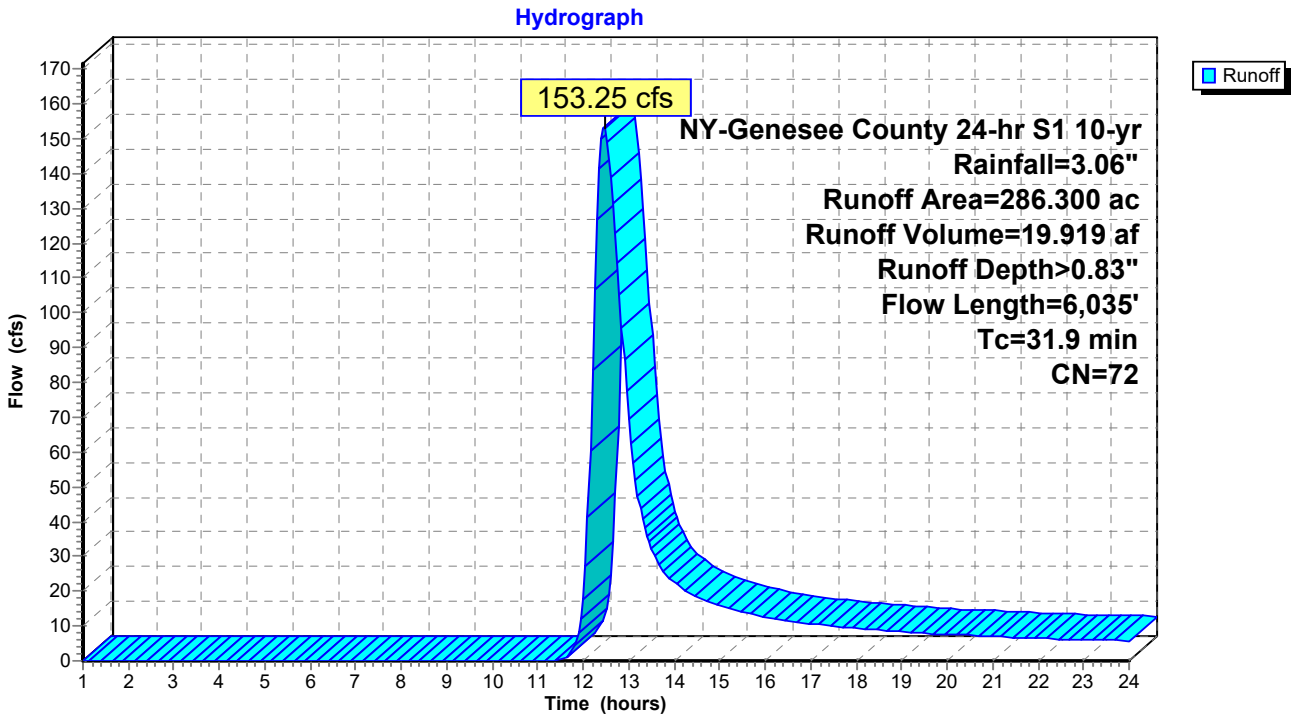
Runoff = 153.25 cfs @ 12.46 hrs, Volume= 19.919 af, Depth> 0.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	286.300	72	
	286.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.5	2,260	0.0750	4.41		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
12.1	3,625		5.00		**Direct Entry,**
31.9	6,035	Total			

Subcatchment 21S: 21



Summary for Subcatchment 22S: 22

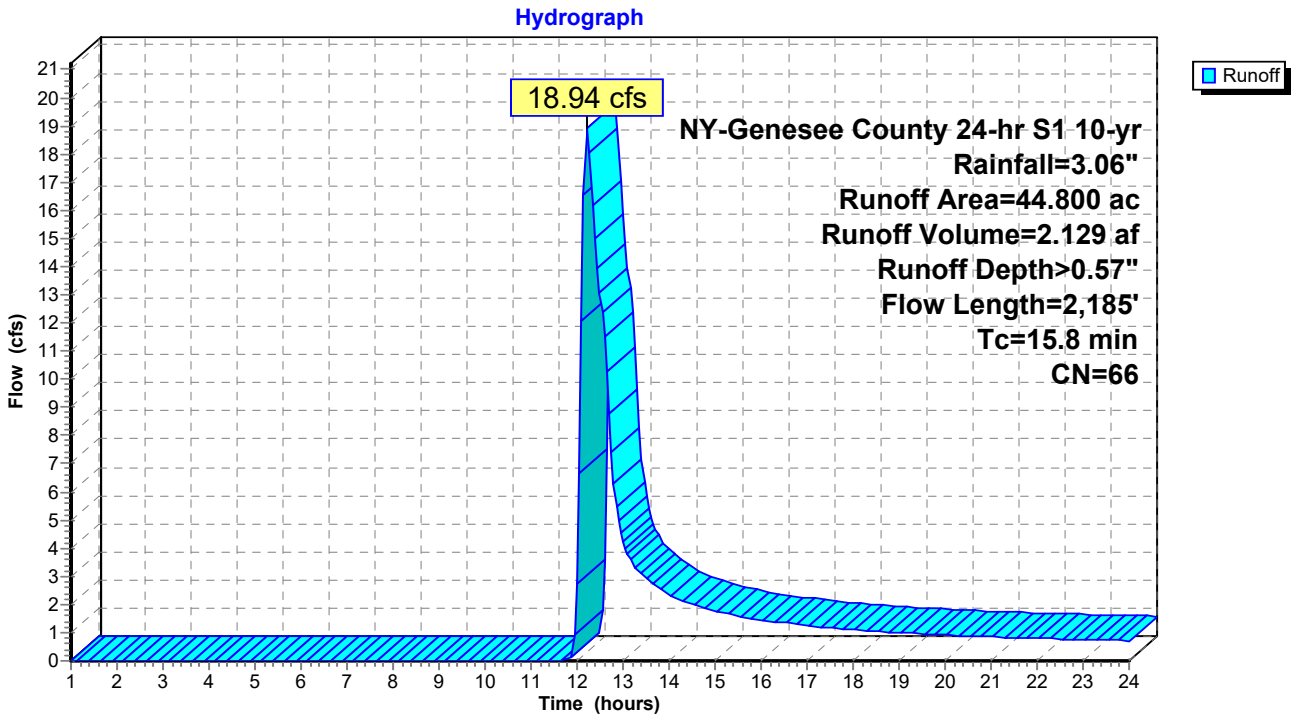
Runoff = 18.94 cfs @ 12.22 hrs, Volume= 2.129 af, Depth> 0.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	44.800	66	
	44.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.0	460	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
5.2	1,575		5.00		**Direct Entry,**
15.8	2,185	Total			

Subcatchment 22S: 22



Summary for Subcatchment 23S: 23

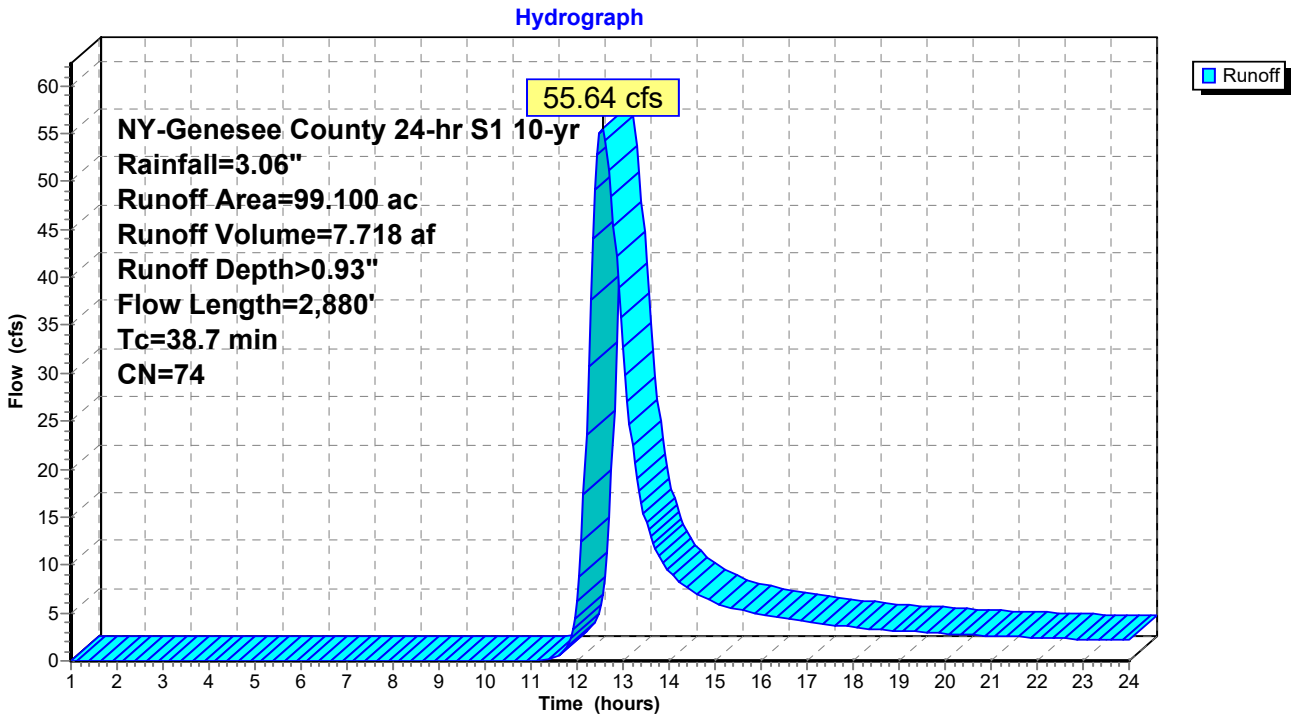
Runoff = 55.64 cfs @ 12.56 hrs, Volume= 7.718 af, Depth> 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	99.100	74	
	99.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
11.8	1,800	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
3.1	930		5.00		**Direct Entry,**
38.7	2,880	Total			

Subcatchment 23S: 23



Summary for Subcatchment 24S: 24

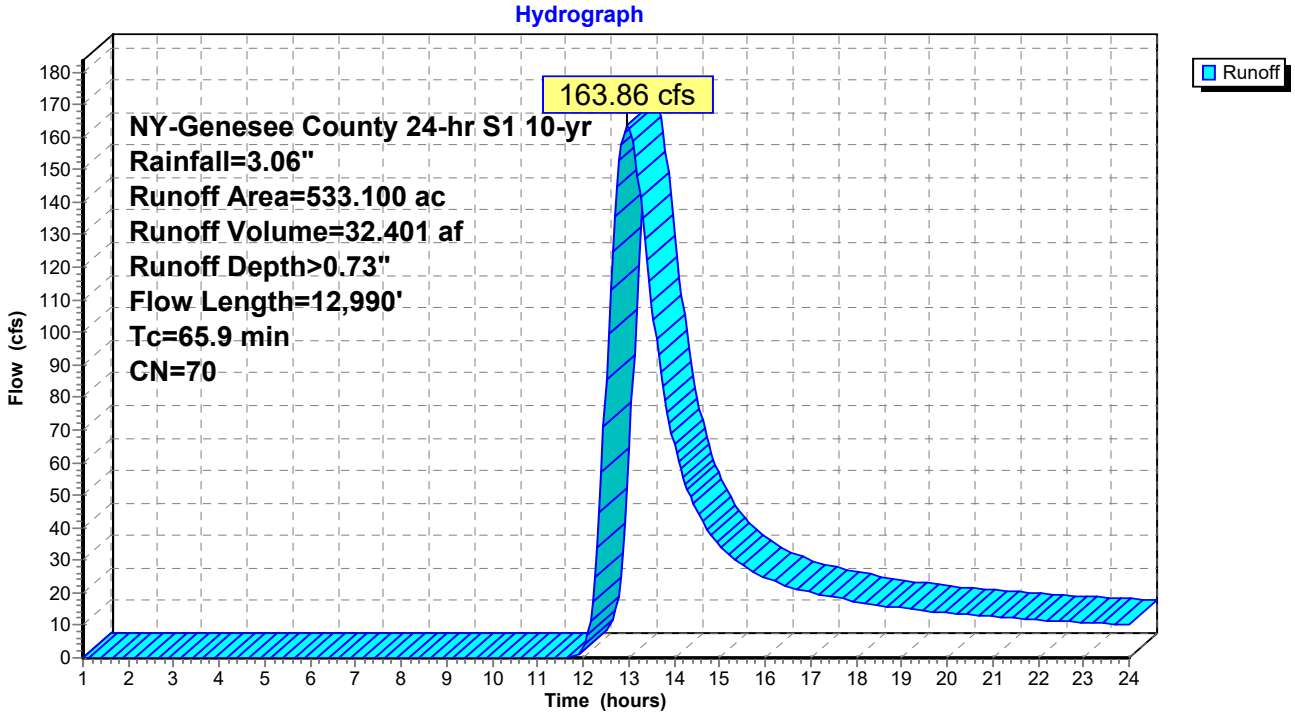
Runoff = 163.86 cfs @ 12.97 hrs, Volume= 32.401 af, Depth> 0.73"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	533.100	70	
	533.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.7	150	0.0670	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
12.4	1,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
38.8	11,640		5.00		**Direct Entry,**
65.9	12,990	Total			

Subcatchment 24S: 24



Summary for Subcatchment 25S: 25

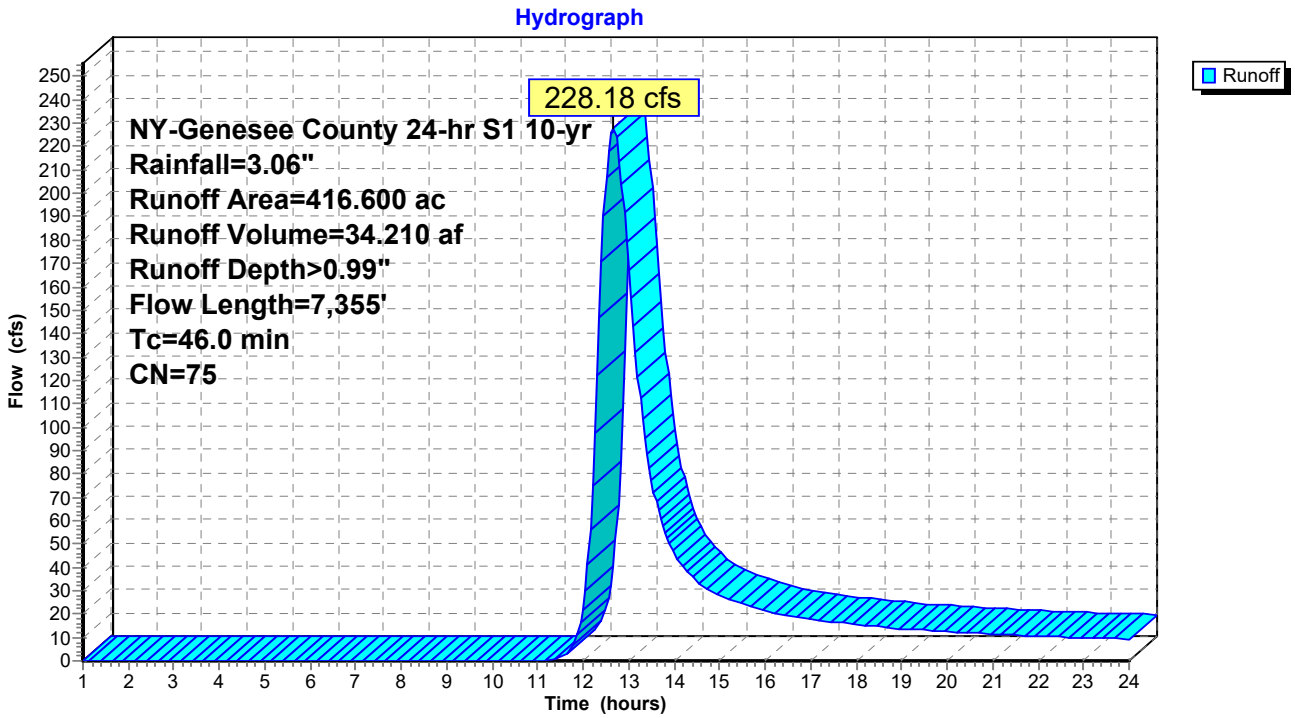
Runoff = 228.18 cfs @ 12.66 hrs, Volume= 34.210 af, Depth> 0.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	416.600	75	
	416.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.0	150	0.0400	0.14		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.1	1,230	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
19.9	5,975		5.00		**Direct Entry,**
46.0	7,355	Total			

Subcatchment 25S: 25



Summary for Subcatchment 26S: 26

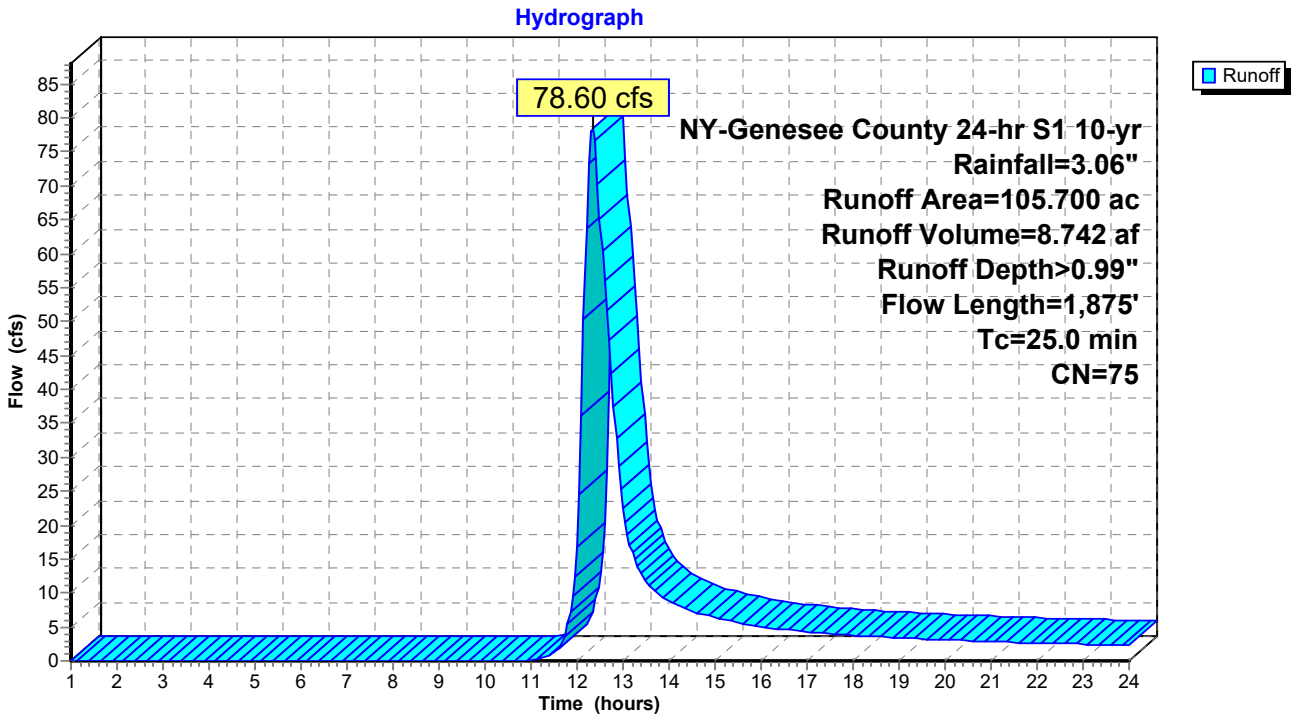
Runoff = 78.60 cfs @ 12.33 hrs, Volume= 8.742 af, Depth> 0.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	105.700	75	
	105.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.3	150	0.0600	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.2	980	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
2.5	745		5.00		**Direct Entry,**
25.0	1,875	Total			

Subcatchment 26S: 26



Summary for Subcatchment 27S: 27

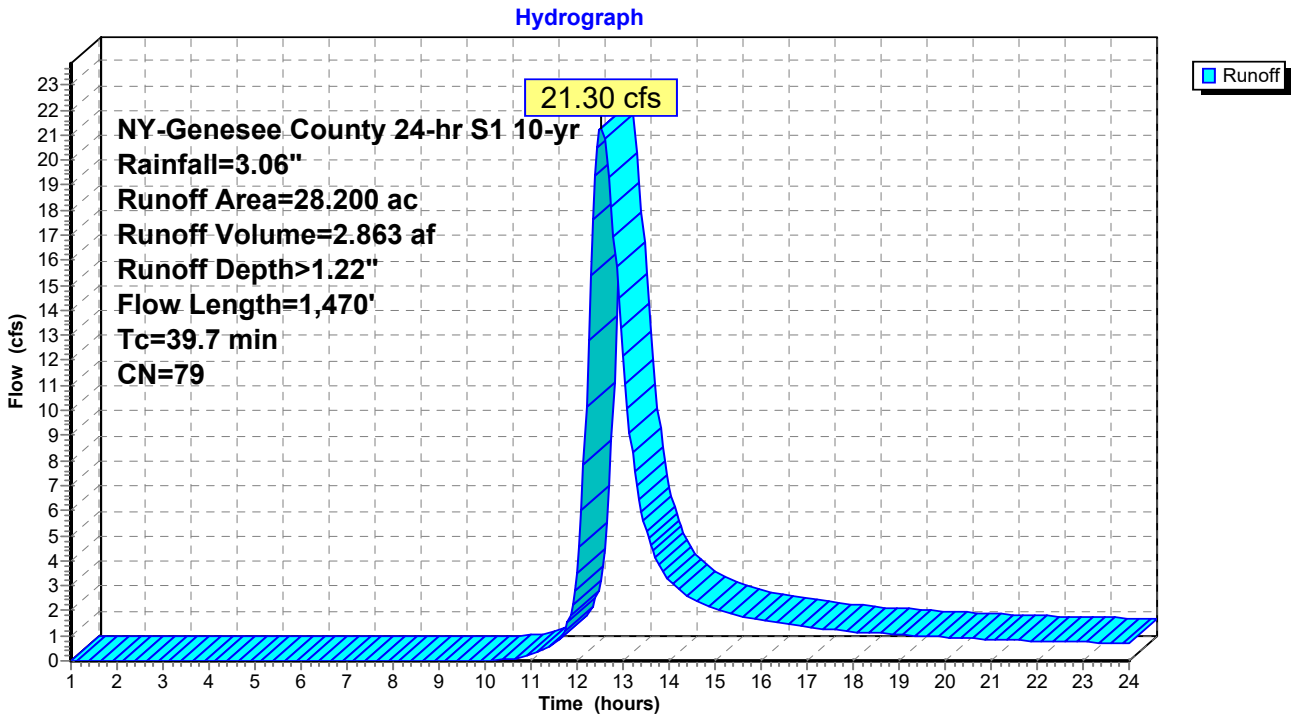
Runoff = 21.30 cfs @ 12.54 hrs, Volume= 2.863 af, Depth> 1.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	28.200	79	
	28.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	770	0.0150	1.97		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	550		5.00		**Direct Entry,**
39.7	1,470	Total			

Subcatchment 27S: 27



Summary for Subcatchment 28S: 28

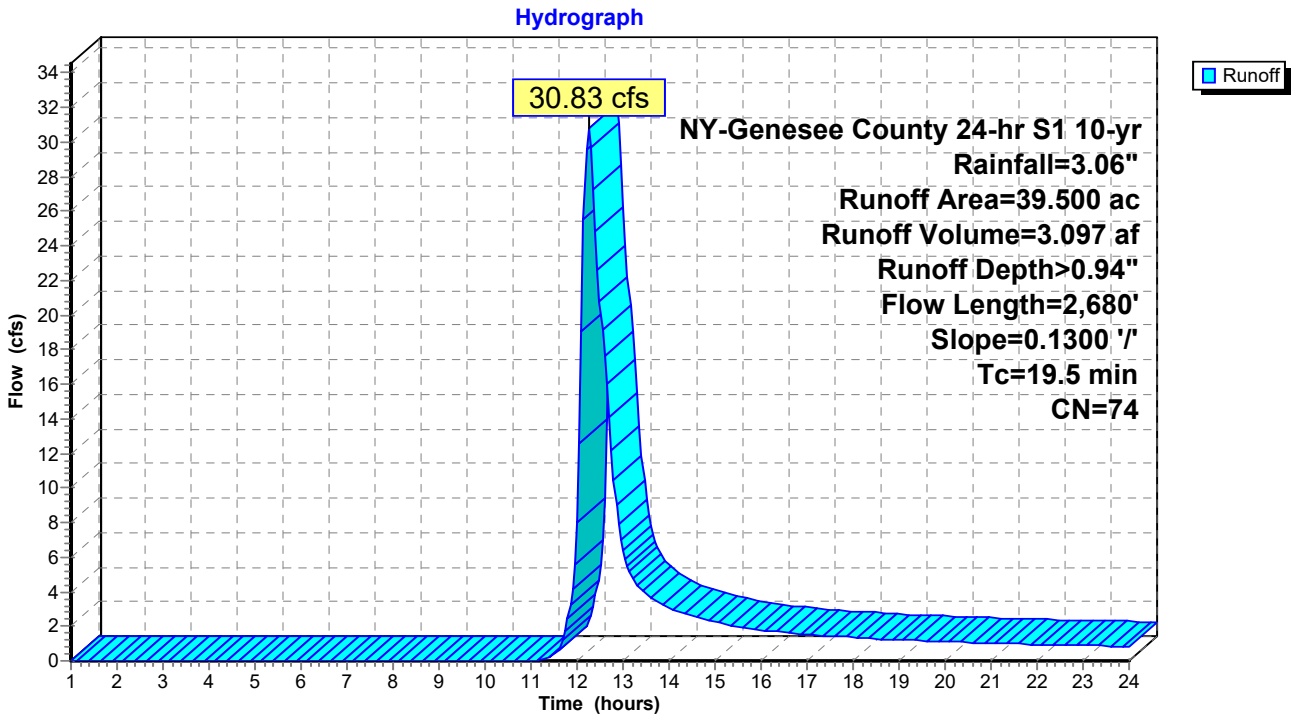
Runoff = 30.83 cfs @ 12.25 hrs, Volume= 3.097 af, Depth> 0.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	39.500	74	
	39.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.8	620	0.1300	5.80		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.4	1,910		5.00		**Direct Entry,**
19.5	2,680	Total			

Subcatchment 28S: 28



Summary for Subcatchment 29S: 29

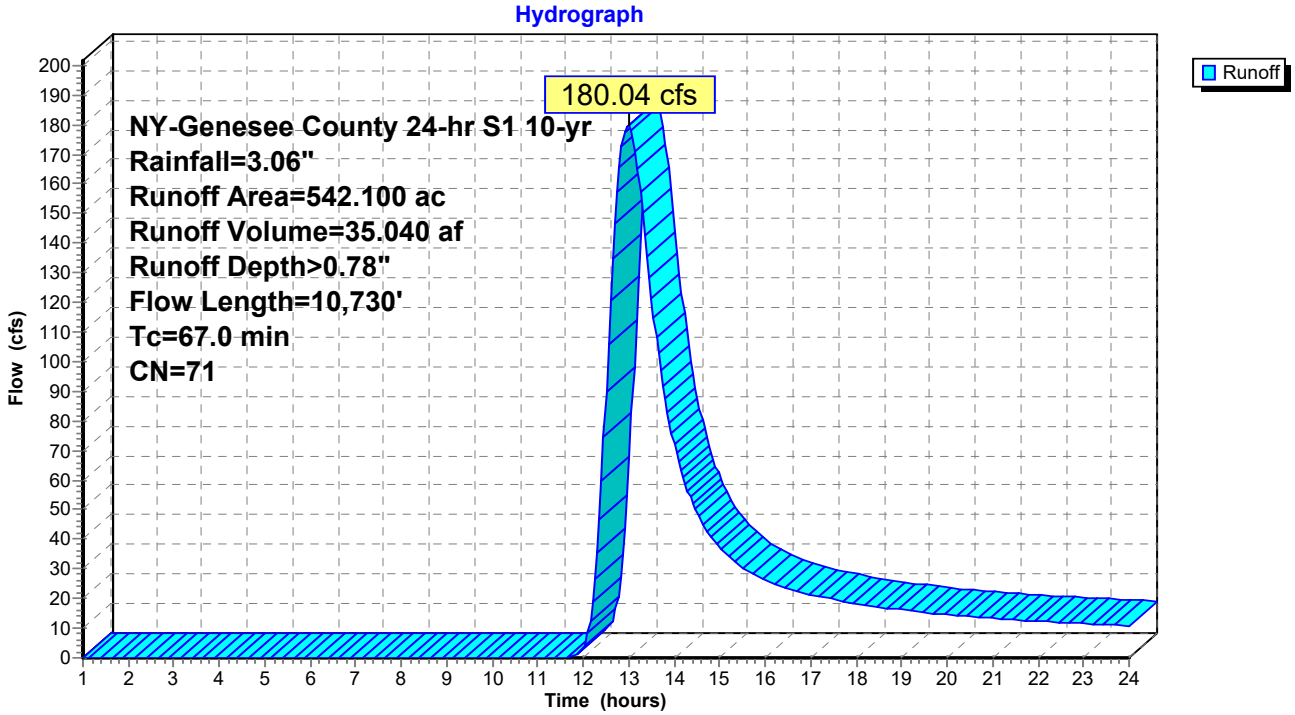
Runoff = 180.04 cfs @ 12.99 hrs, Volume= 35.040 af, Depth> 0.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	542.100	71	
	542.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	700	0.0700	4.26		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
32.9	9,880		5.00		**Direct Entry,**
67.0	10,730	Total			

Subcatchment 29S: 29



Summary for Subcatchment 30S: 30

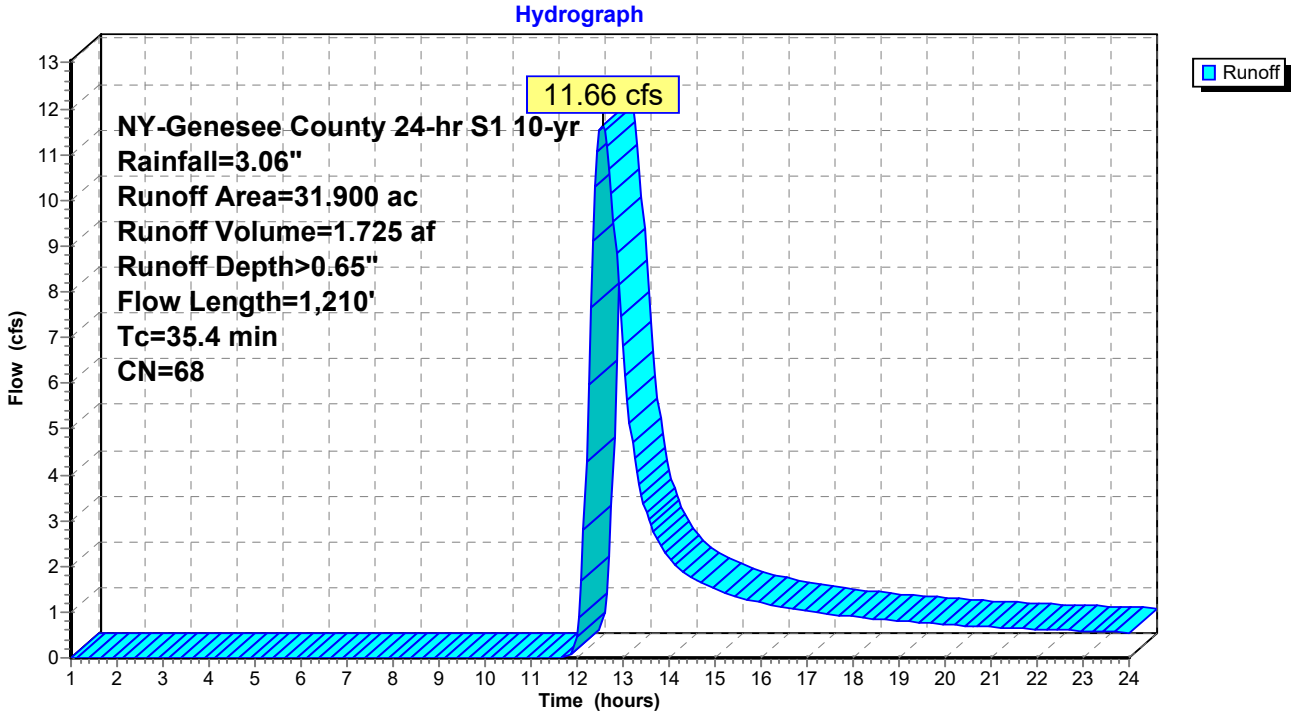
Runoff = 11.66 cfs @ 12.55 hrs, Volume= 1.725 af, Depth> 0.65"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	31.900	68	
	31.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	670	0.0670	4.17		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	390		5.00		**Direct Entry,**
35.4	1,210	Total			

Subcatchment 30S: 30

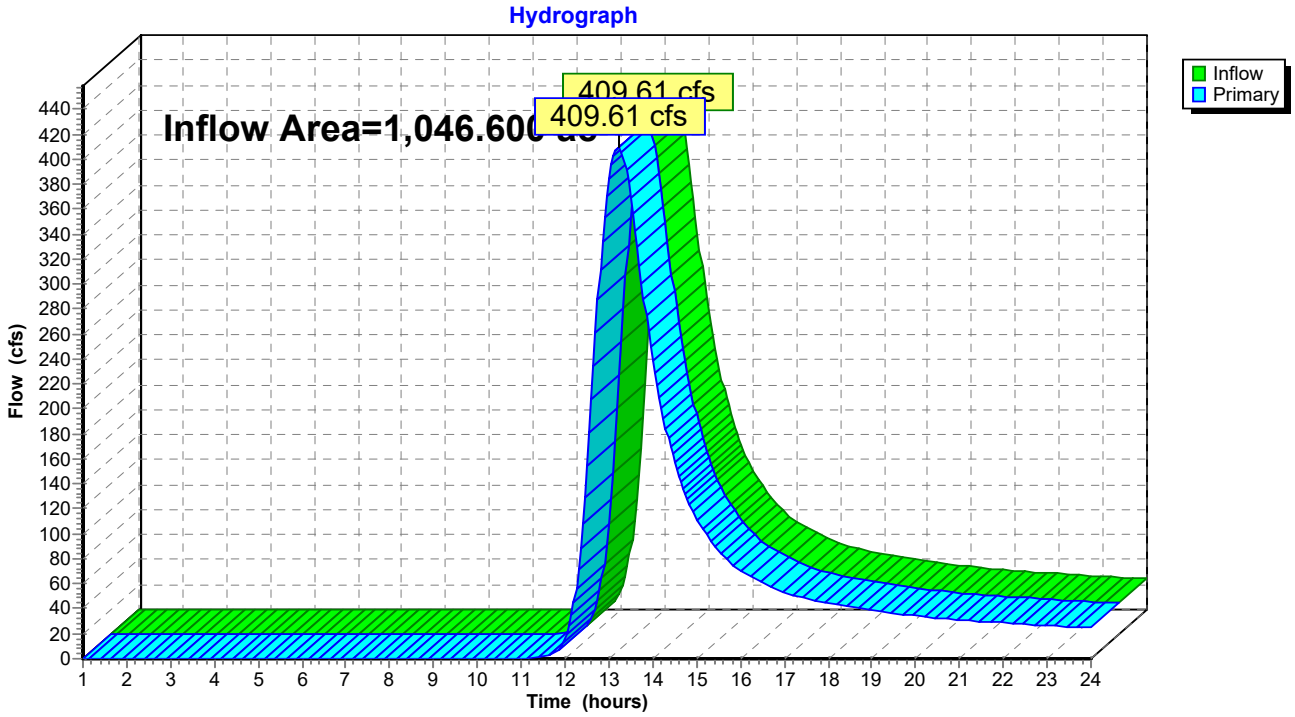


Summary for Link 1L: A

Inflow Area = 1,046.600 ac, 0.00% Impervious, Inflow Depth > 1.03" for 10-yr event
Inflow = 409.61 cfs @ 13.23 hrs, Volume= 89.444 af
Primary = 409.61 cfs @ 13.23 hrs, Volume= 89.444 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 1L: A

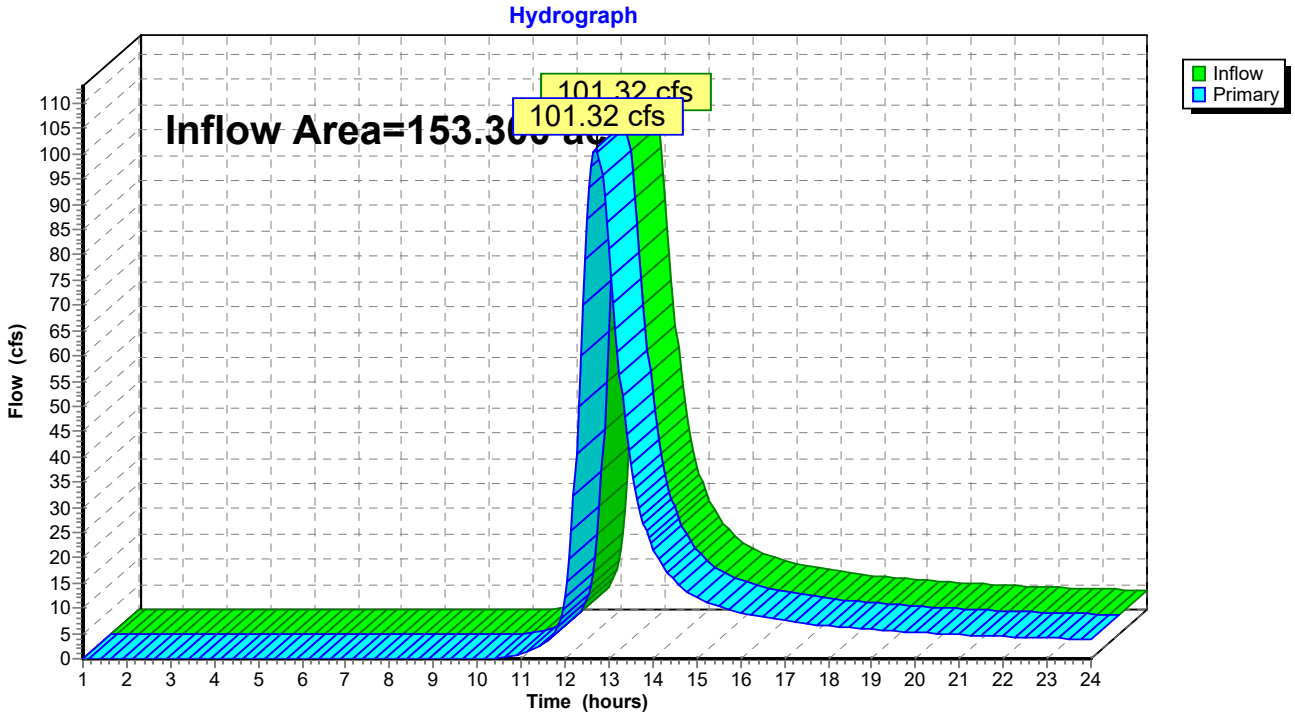


Summary for Link 2L: B

Inflow Area = 153.300 ac, 0.00% Impervious, Inflow Depth > 1.21" for 10-yr event
Inflow = 101.32 cfs @ 12.71 hrs, Volume= 15.509 af
Primary = 101.32 cfs @ 12.71 hrs, Volume= 15.509 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 2L: B

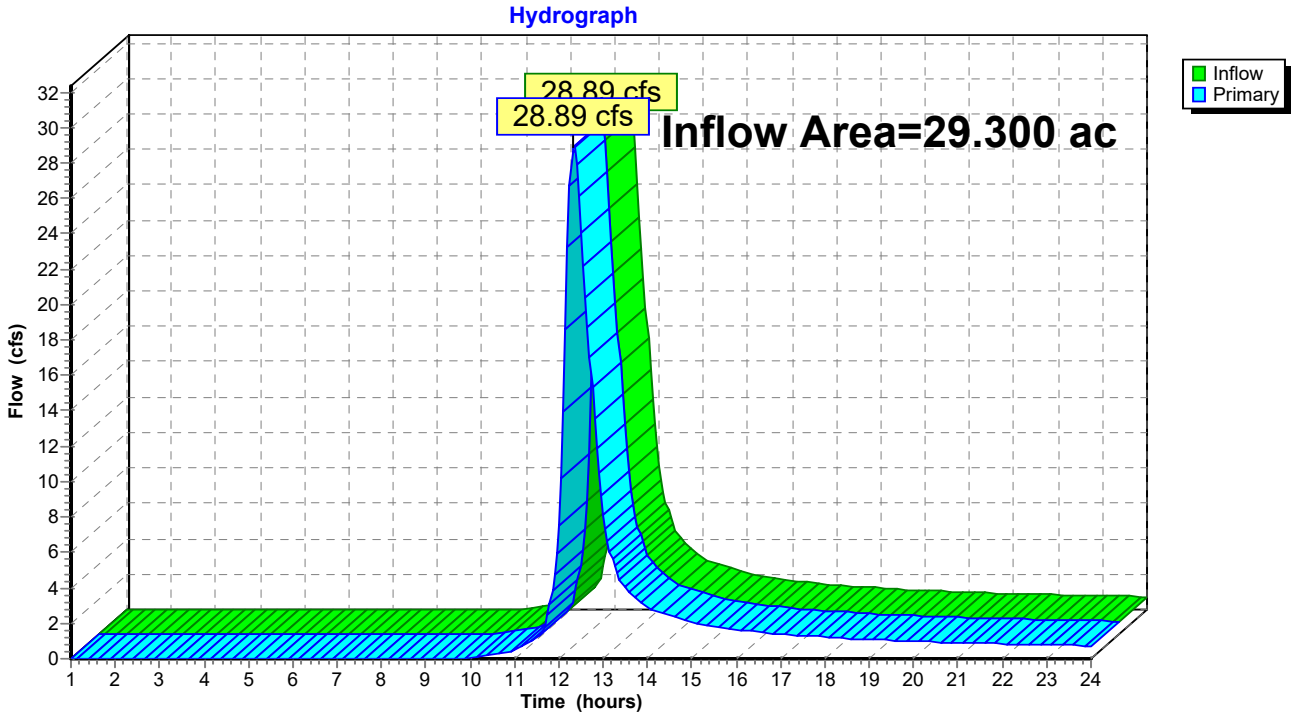


Summary for Link 3L: C

Inflow Area = 29.300 ac, 0.00% Impervious, Inflow Depth > 1.29" for 10-yr event
Inflow = 28.89 cfs @ 12.34 hrs, Volume= 3.140 af
Primary = 28.89 cfs @ 12.34 hrs, Volume= 3.140 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 3L: C

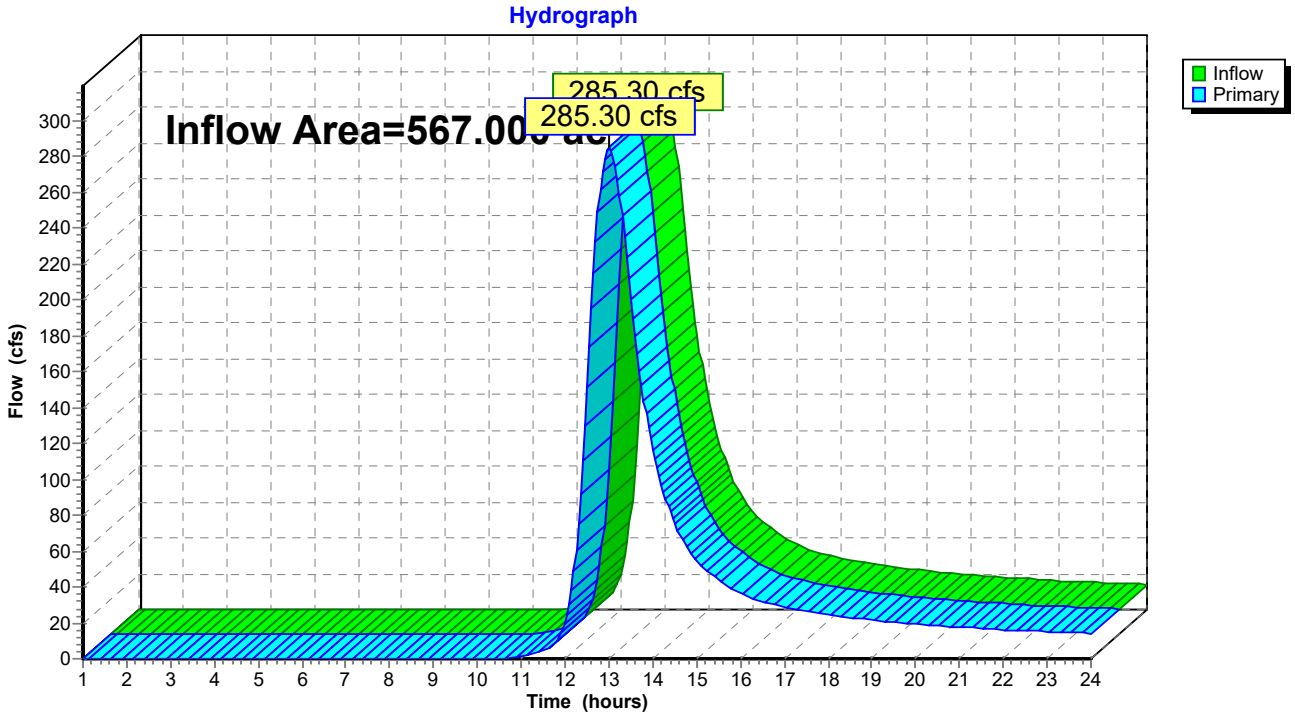


Summary for Link 4L: D

Inflow Area = 567.000 ac, 0.00% Impervious, Inflow Depth > 1.15" for 10-yr event
Inflow = 285.30 cfs @ 13.00 hrs, Volume= 54.126 af
Primary = 285.30 cfs @ 13.00 hrs, Volume= 54.126 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 4L: D

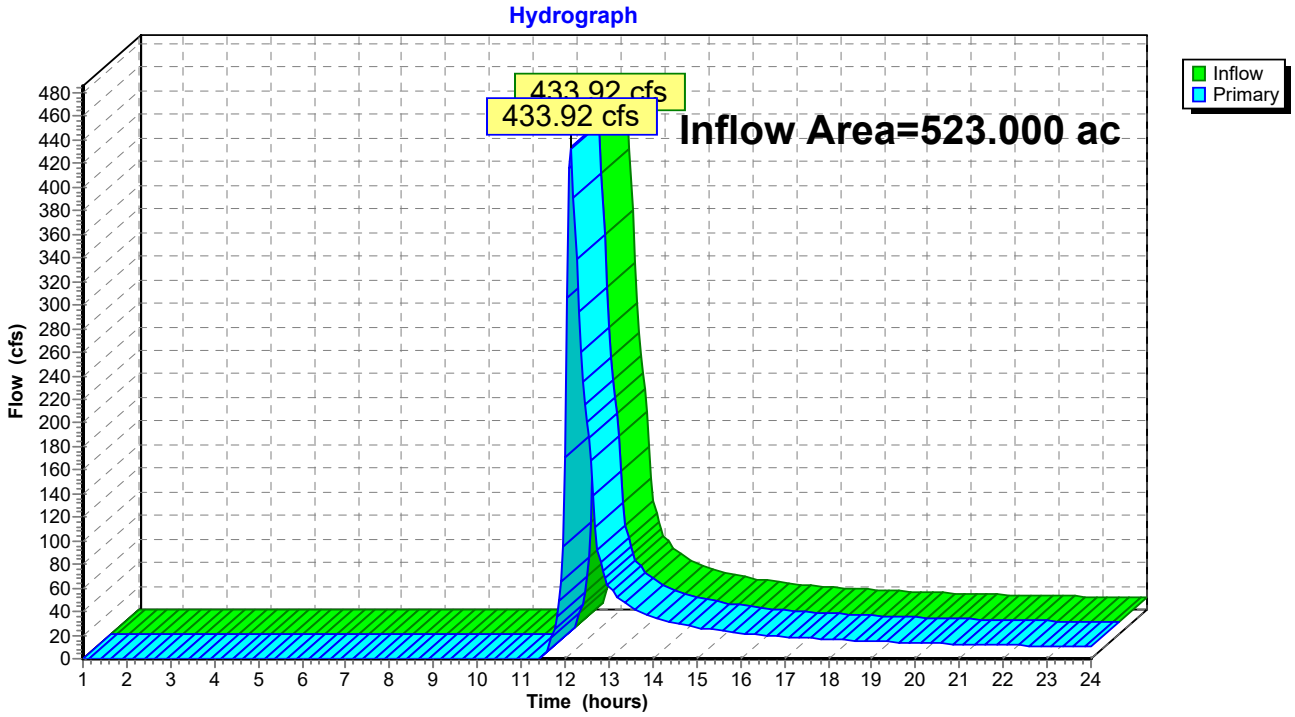


Summary for Link 5L: E

Inflow Area = 523.000 ac, 0.00% Impervious, Inflow Depth > 0.84" for 10-yr event
Inflow = 433.92 cfs @ 12.14 hrs, Volume= 36.652 af
Primary = 433.92 cfs @ 12.14 hrs, Volume= 36.652 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 5L: E

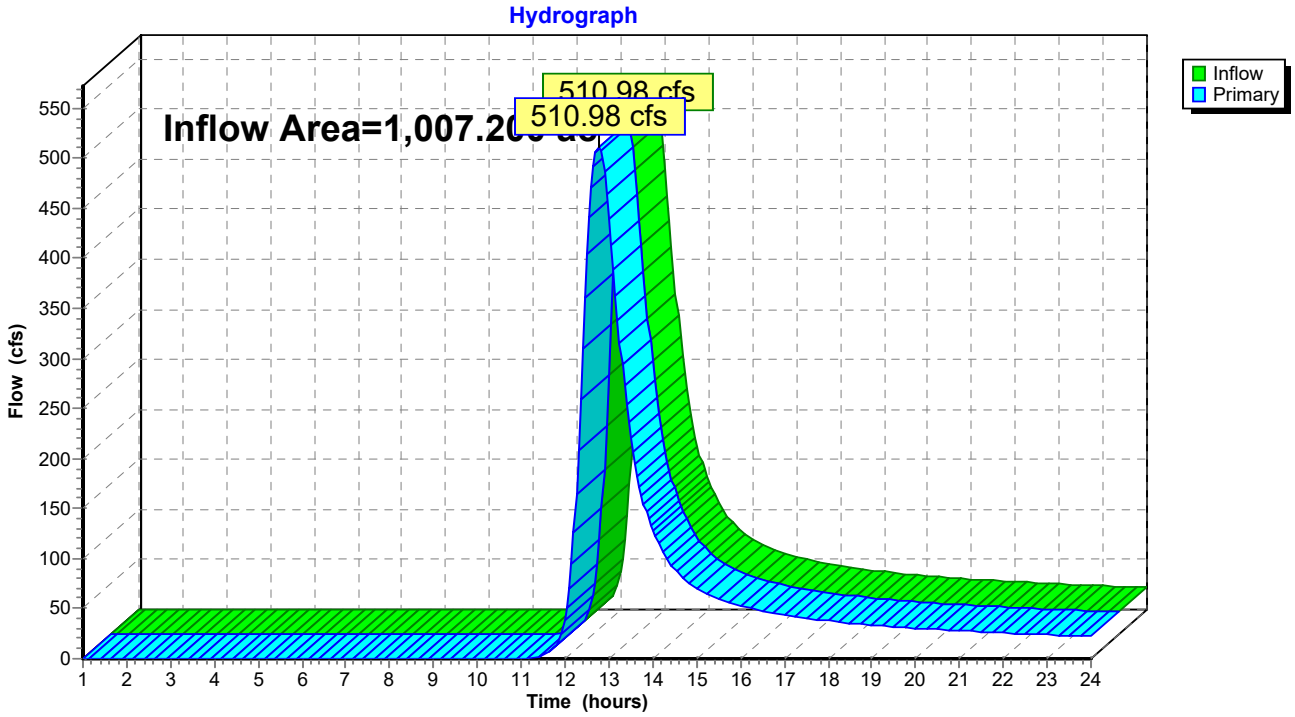


Summary for Link 6L: F

Inflow Area = 1,007.200 ac, 0.00% Impervious, Inflow Depth > 0.98" for 10-yr event
Inflow = 510.98 cfs @ 12.77 hrs, Volume= 82.503 af
Primary = 510.98 cfs @ 12.77 hrs, Volume= 82.503 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 6L: F

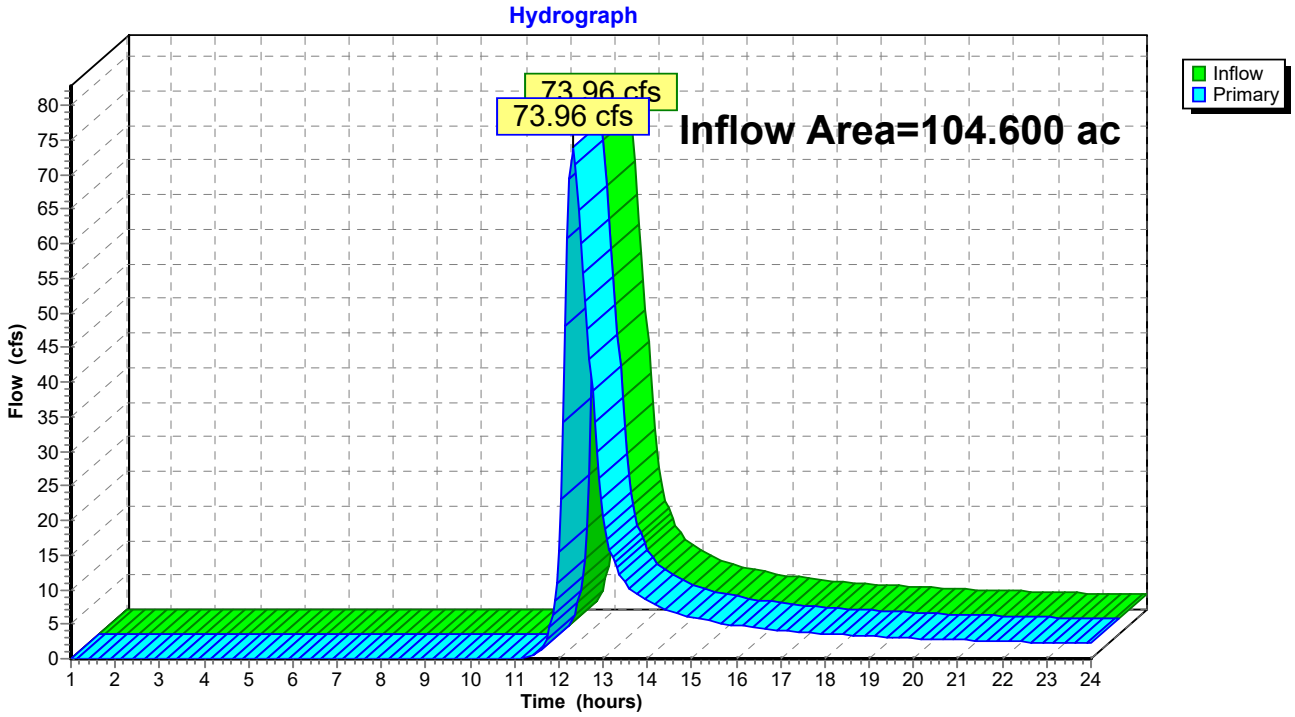


Summary for Link 7L: G

Inflow Area = 104.600 ac, 0.00% Impervious, Inflow Depth > 0.94" for 10-yr event
Inflow = 73.96 cfs @ 12.32 hrs, Volume= 8.187 af
Primary = 73.96 cfs @ 12.32 hrs, Volume= 8.187 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 7L: G

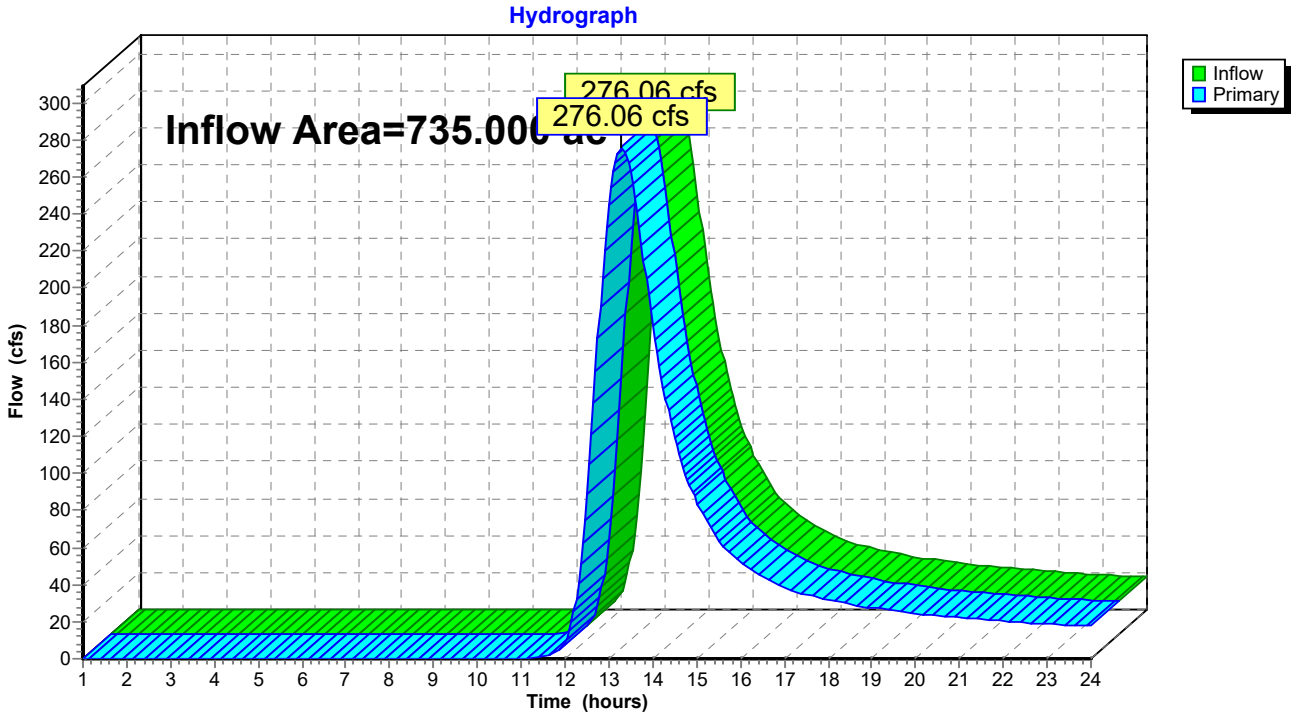


Summary for Link 8L: H

Inflow Area = 735.000 ac, 0.00% Impervious, Inflow Depth > 1.02" for 10-yr event
Inflow = 276.06 cfs @ 13.30 hrs, Volume= 62.681 af
Primary = 276.06 cfs @ 13.30 hrs, Volume= 62.681 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 8L: H

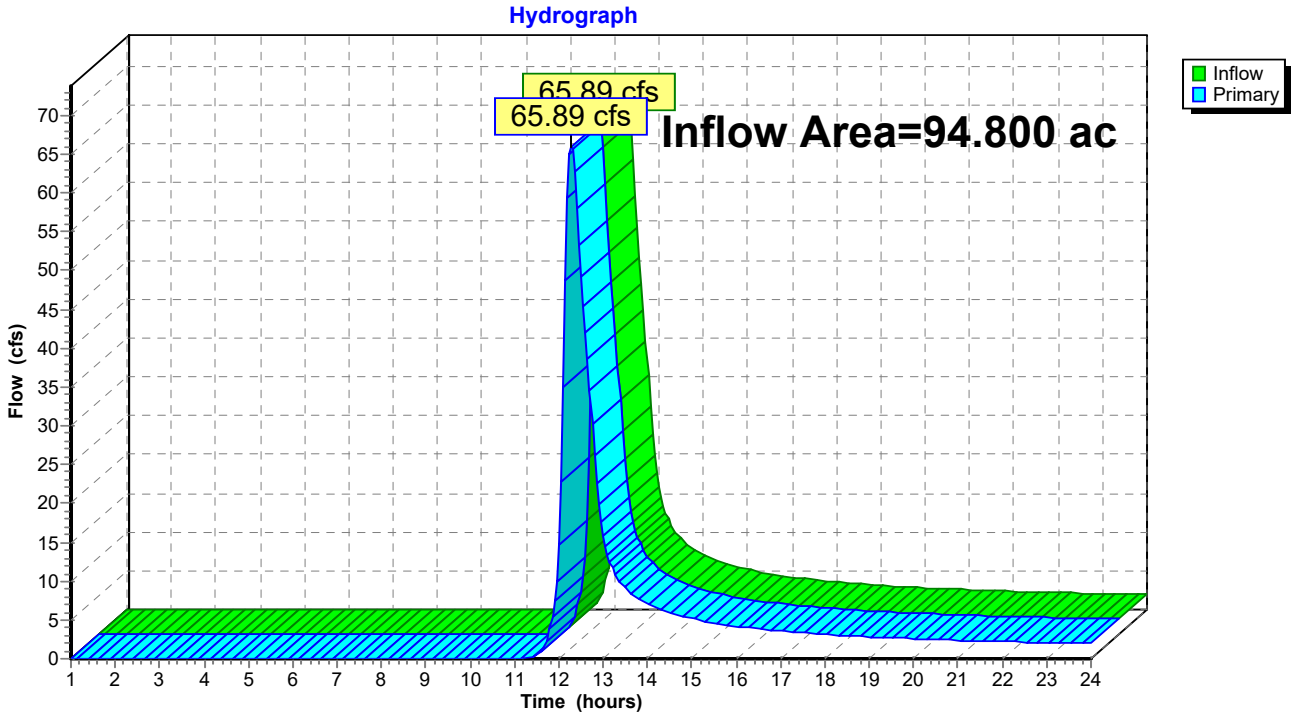


Summary for Link 9L: I

Inflow Area = 94.800 ac, 0.00% Impervious, Inflow Depth > 0.89" for 10-yr event
Inflow = 65.89 cfs @ 12.28 hrs, Volume= 7.018 af
Primary = 65.89 cfs @ 12.28 hrs, Volume= 7.018 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 9L: I

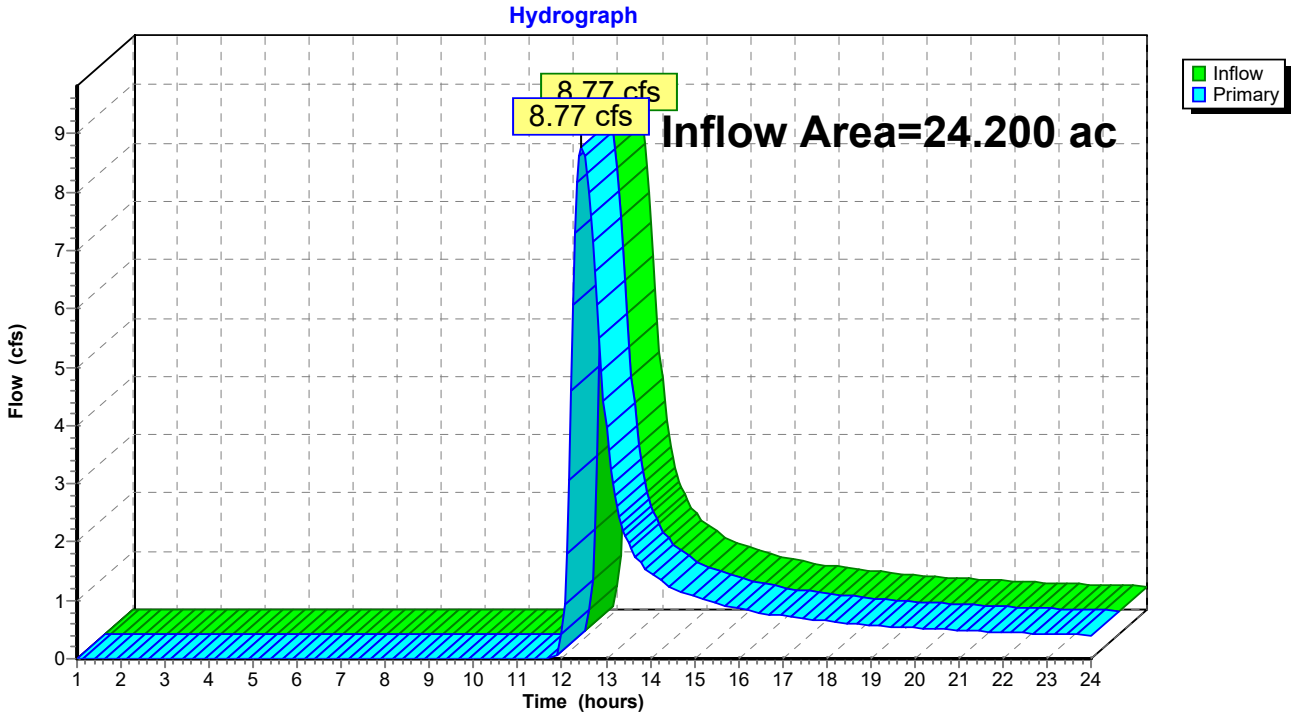


Summary for Link 10L: J

Inflow Area = 24.200 ac, 0.00% Impervious, Inflow Depth > 0.61" for 10-yr event
Inflow = 8.77 cfs @ 12.45 hrs, Volume= 1.226 af
Primary = 8.77 cfs @ 12.45 hrs, Volume= 1.226 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 10L: J

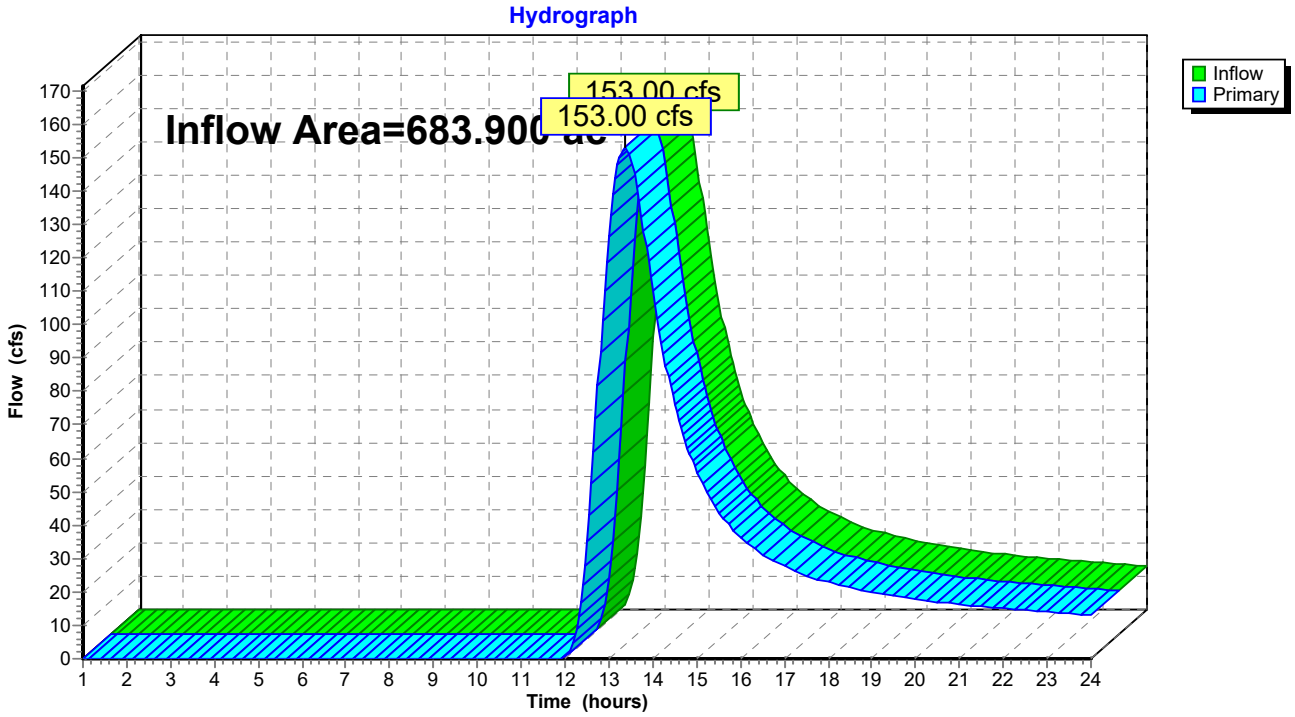


Summary for Link 11L: K

Inflow Area = 683.900 ac, 0.00% Impervious, Inflow Depth > 0.68" for 10-yr event
Inflow = 153.00 cfs @ 13.38 hrs, Volume= 38.536 af
Primary = 153.00 cfs @ 13.38 hrs, Volume= 38.536 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 11L: K

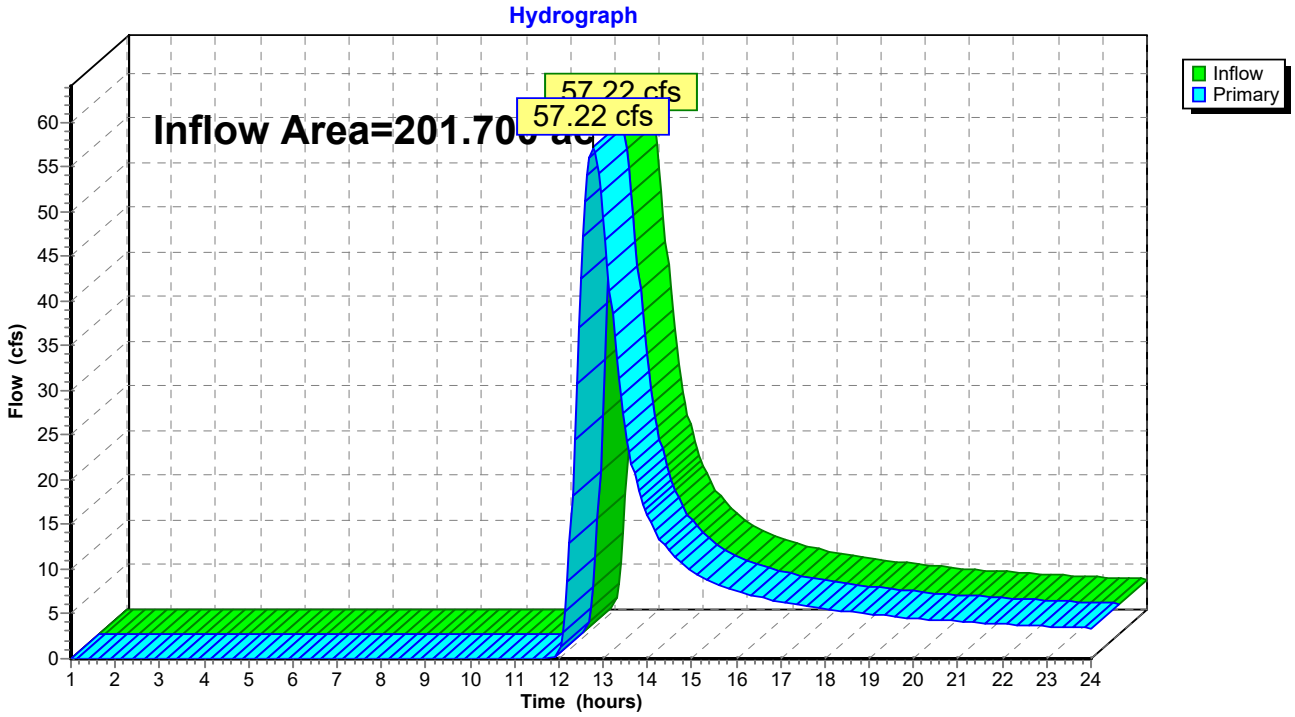


Summary for Link 12L: L

Inflow Area = 201.700 ac, 0.00% Impervious, Inflow Depth > 0.60" for 10-yr event
Inflow = 57.22 cfs @ 12.77 hrs, Volume= 10.133 af
Primary = 57.22 cfs @ 12.77 hrs, Volume= 10.133 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 12L: L

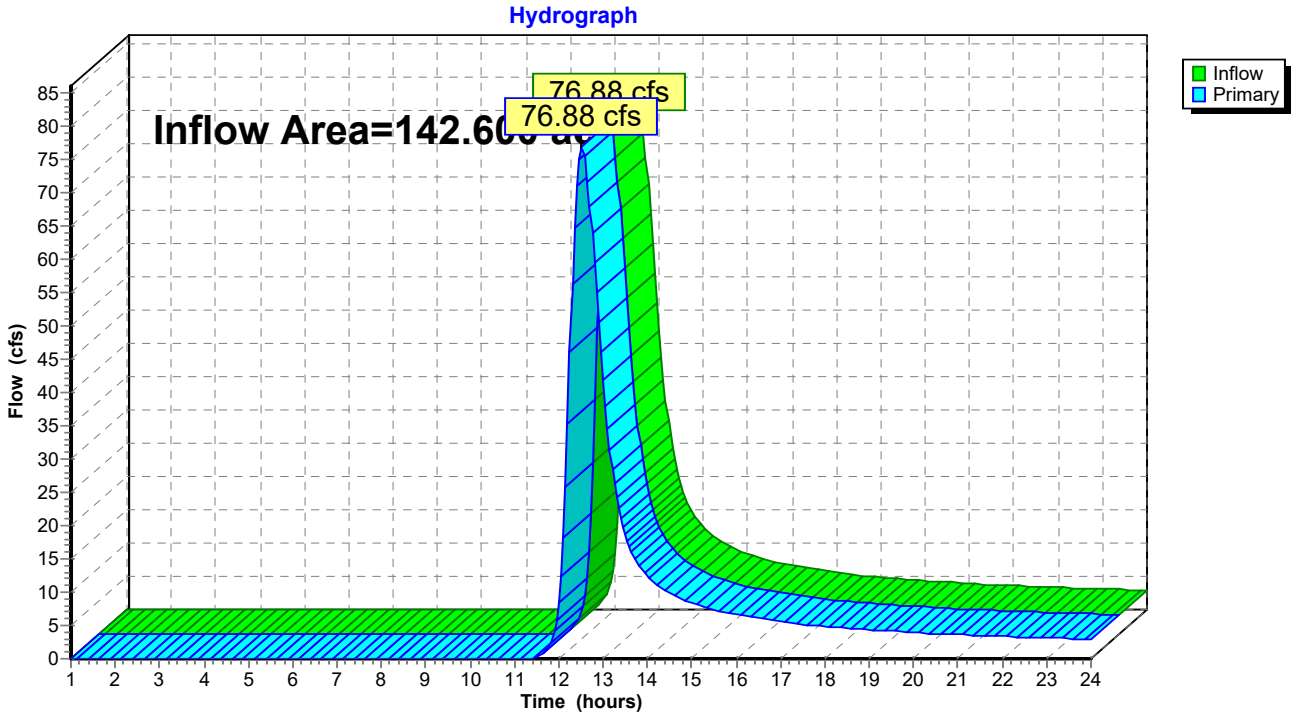


Summary for Link 13L: M

Inflow Area = 142.600 ac, 0.00% Impervious, Inflow Depth > 0.88" for 10-yr event
Inflow = 76.88 cfs @ 12.52 hrs, Volume= 10.500 af
Primary = 76.88 cfs @ 12.52 hrs, Volume= 10.500 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 13L: M

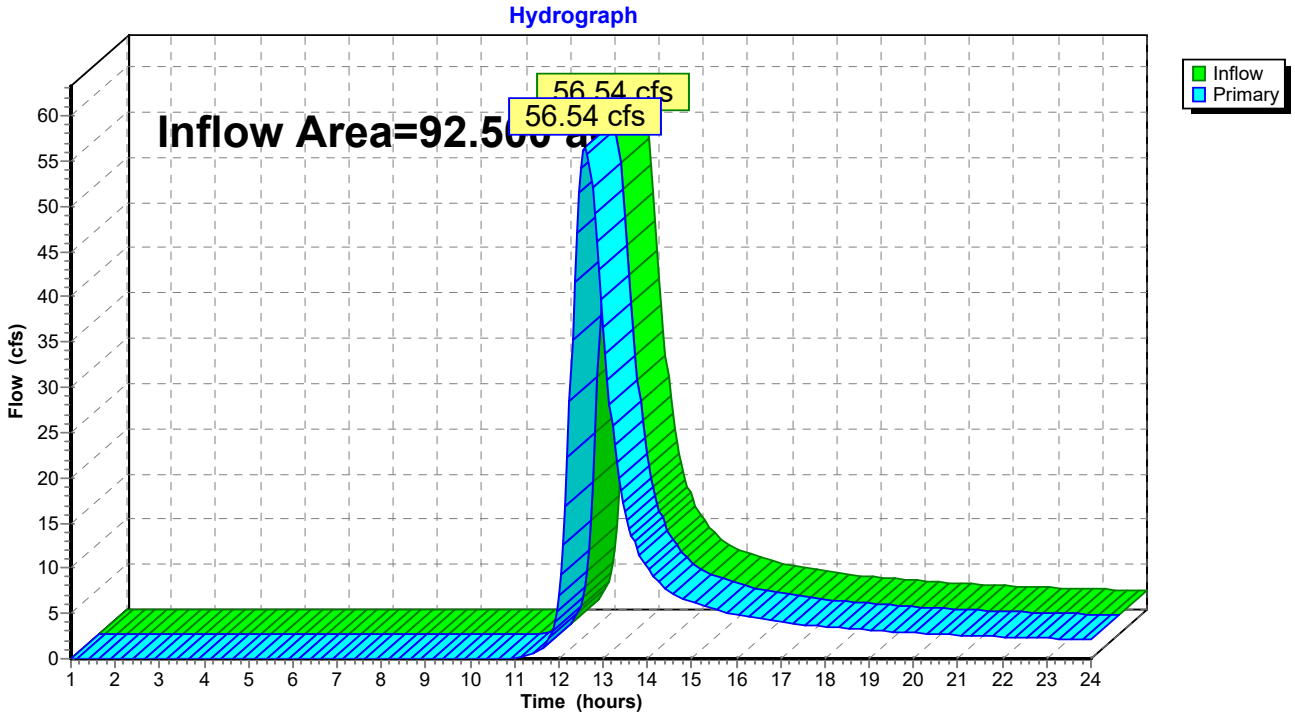


Summary for Link 14L: N

Inflow Area = 92.500 ac, 0.00% Impervious, Inflow Depth > 1.04" for 10-yr event
Inflow = 56.54 cfs @ 12.60 hrs, Volume= 8.030 af
Primary = 56.54 cfs @ 12.60 hrs, Volume= 8.030 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 14L: N

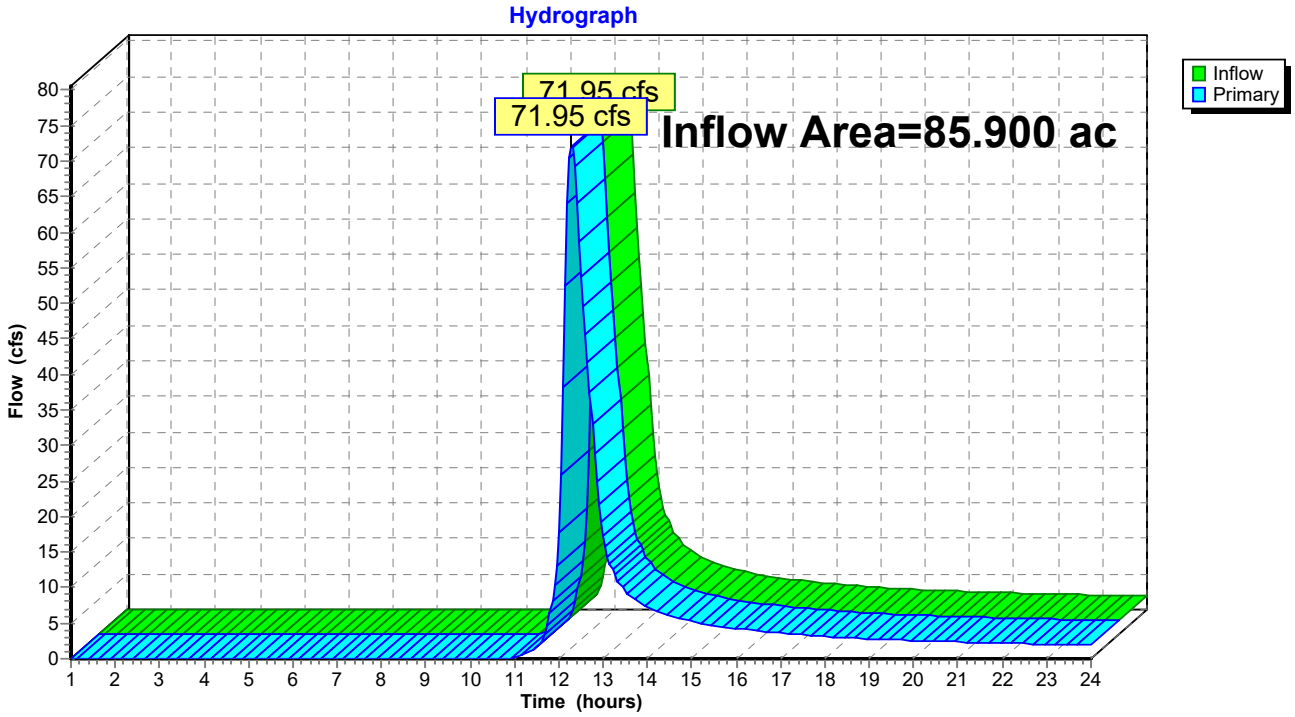


Summary for Link 15L: O

Inflow Area = 85.900 ac, 0.00% Impervious, Inflow Depth > 1.05" for 10-yr event
Inflow = 71.95 cfs @ 12.29 hrs, Volume= 7.506 af
Primary = 71.95 cfs @ 12.29 hrs, Volume= 7.506 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 15L: O

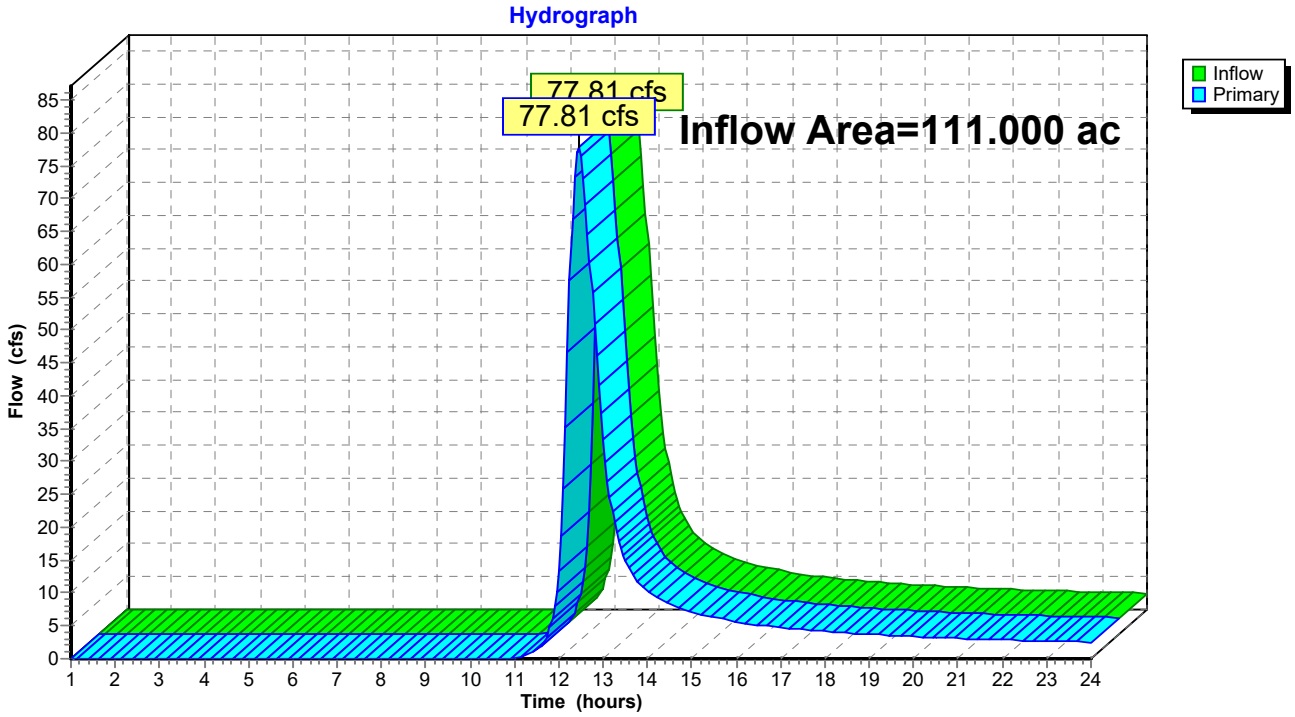


Summary for Link 16L: P

Inflow Area = 111.000 ac, 0.00% Impervious, Inflow Depth > 1.05" for 10-yr event
Inflow = 77.81 cfs @ 12.44 hrs, Volume= 9.668 af
Primary = 77.81 cfs @ 12.44 hrs, Volume= 9.668 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 16L: P

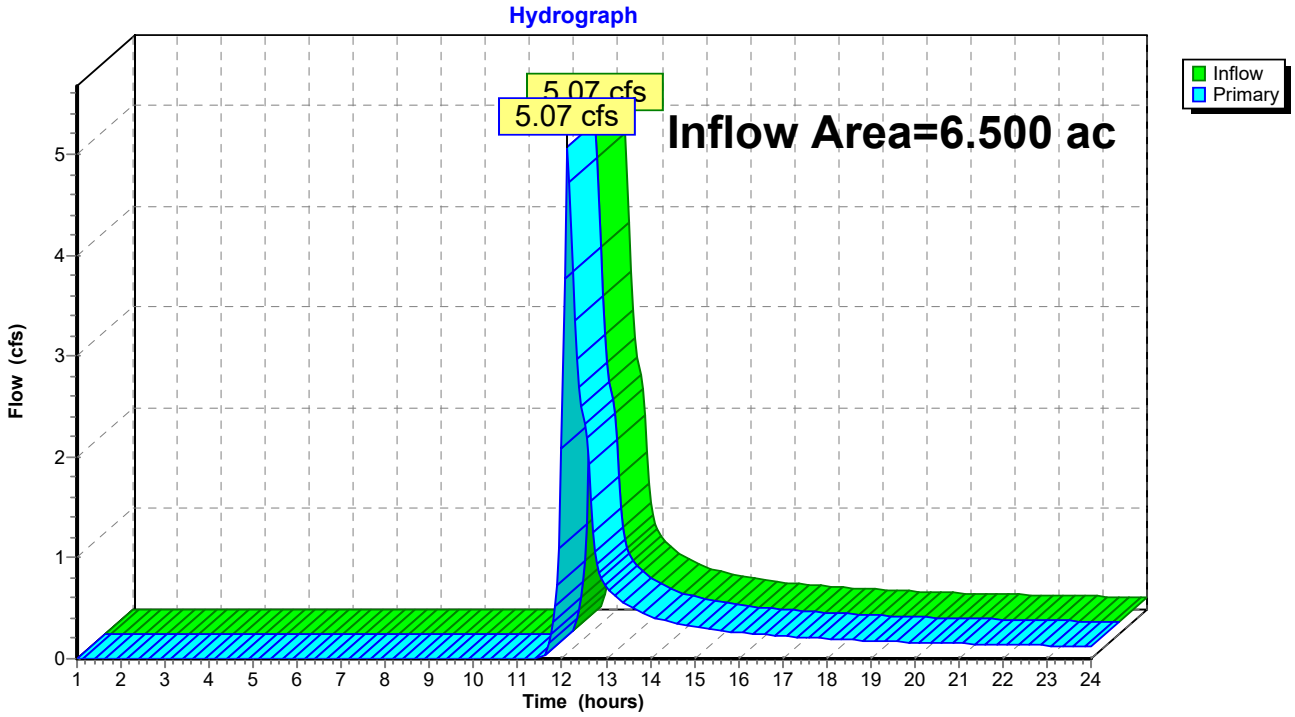


Summary for Link 17L: Q

Inflow Area = 6.500 ac, 0.00% Impervious, Inflow Depth > 0.79" for 10-yr event
Inflow = 5.07 cfs @ 12.13 hrs, Volume= 0.429 af
Primary = 5.07 cfs @ 12.13 hrs, Volume= 0.429 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 17L: Q

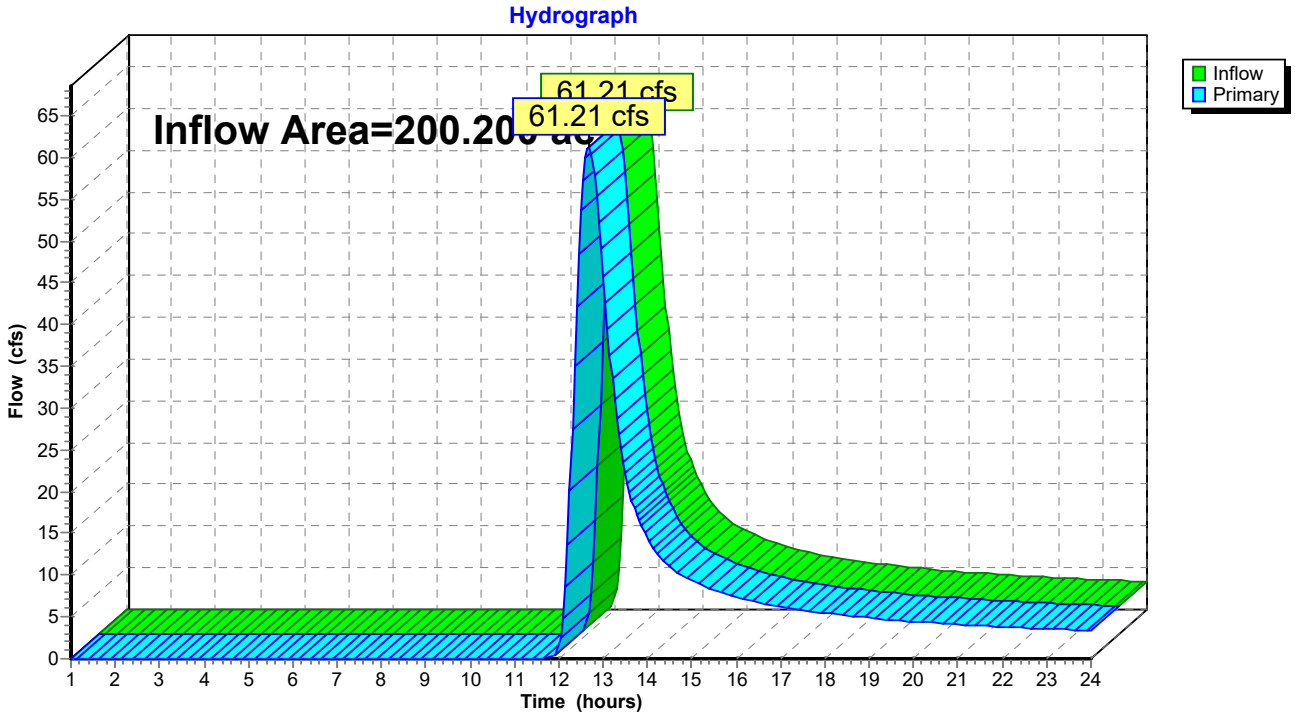


Summary for Link 18L: R

Inflow Area = 200.200 ac, 0.00% Impervious, Inflow Depth > 0.60" for 10-yr event
Inflow = 61.21 cfs @ 12.67 hrs, Volume= 10.087 af
Primary = 61.21 cfs @ 12.67 hrs, Volume= 10.087 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 18L: R

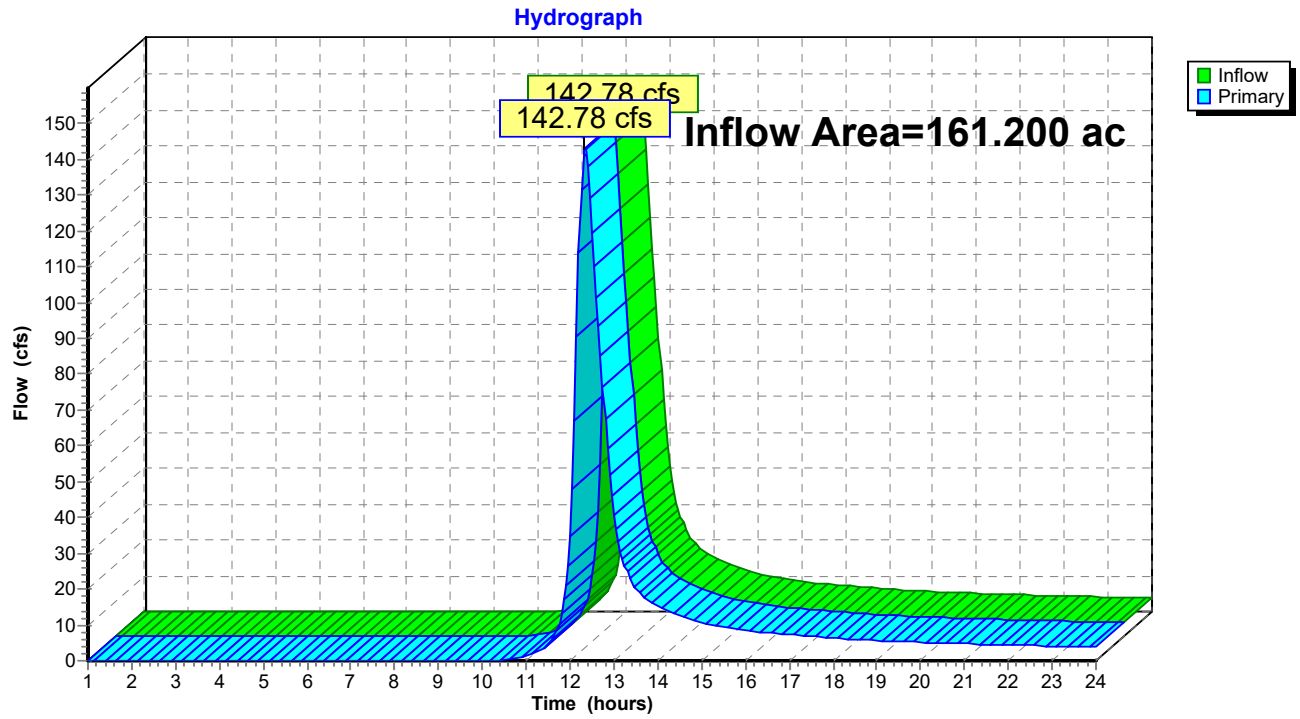


Summary for Link 19L: S

Inflow Area = 161.200 ac, 0.00% Impervious, Inflow Depth > 1.16" for 10-yr event
Inflow = 142.78 cfs @ 12.34 hrs, Volume= 15.623 af
Primary = 142.78 cfs @ 12.34 hrs, Volume= 15.623 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 19L: S

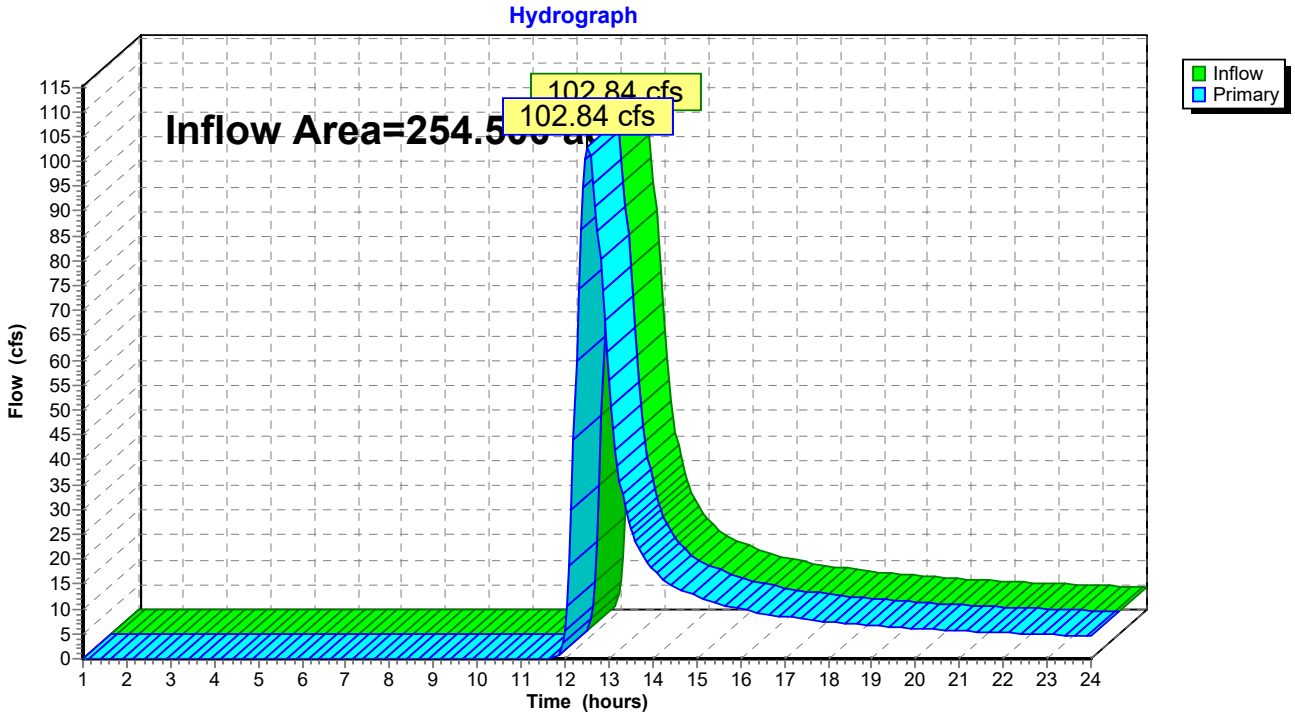


Summary for Link 20L: T

Inflow Area = 254.500 ac, 0.00% Impervious, Inflow Depth > 0.69" for 10-yr event
Inflow = 102.84 cfs @ 12.52 hrs, Volume= 14.702 af
Primary = 102.84 cfs @ 12.52 hrs, Volume= 14.702 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 20L: T

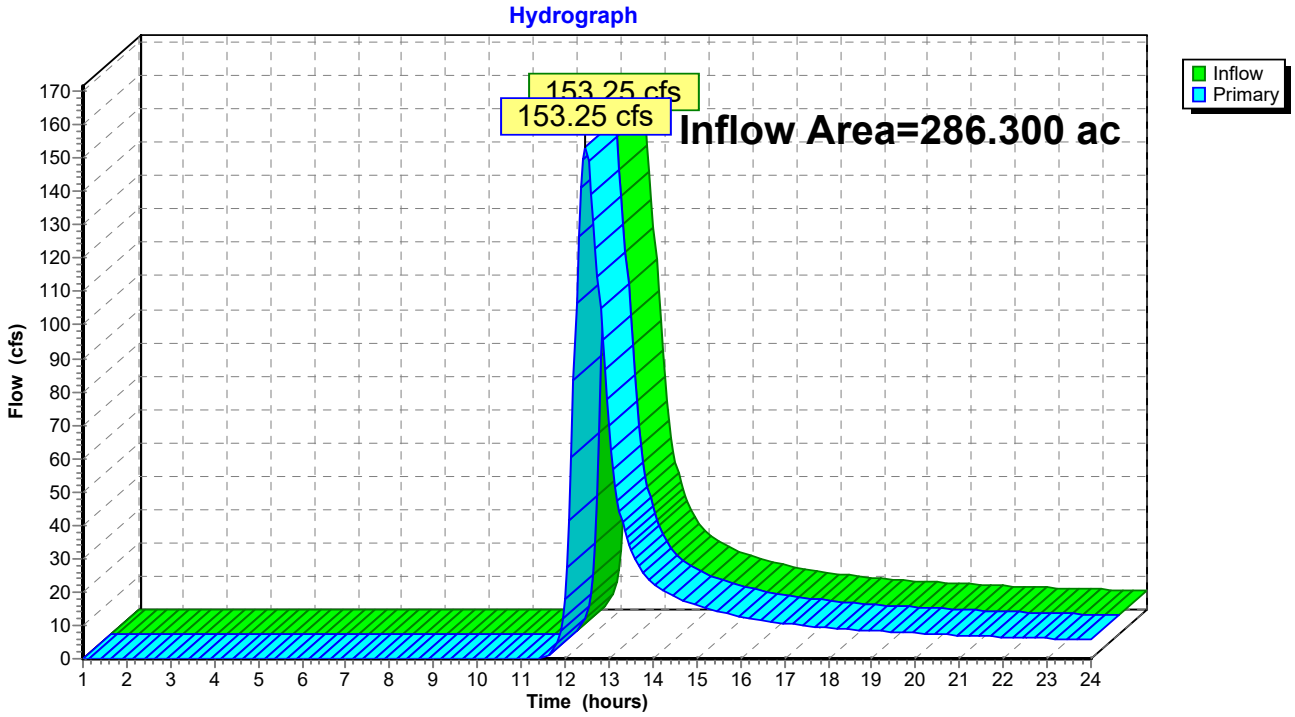


Summary for Link 21L: U

Inflow Area = 286.300 ac, 0.00% Impervious, Inflow Depth > 0.83" for 10-yr event
Inflow = 153.25 cfs @ 12.46 hrs, Volume= 19.919 af
Primary = 153.25 cfs @ 12.46 hrs, Volume= 19.919 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 21L: U

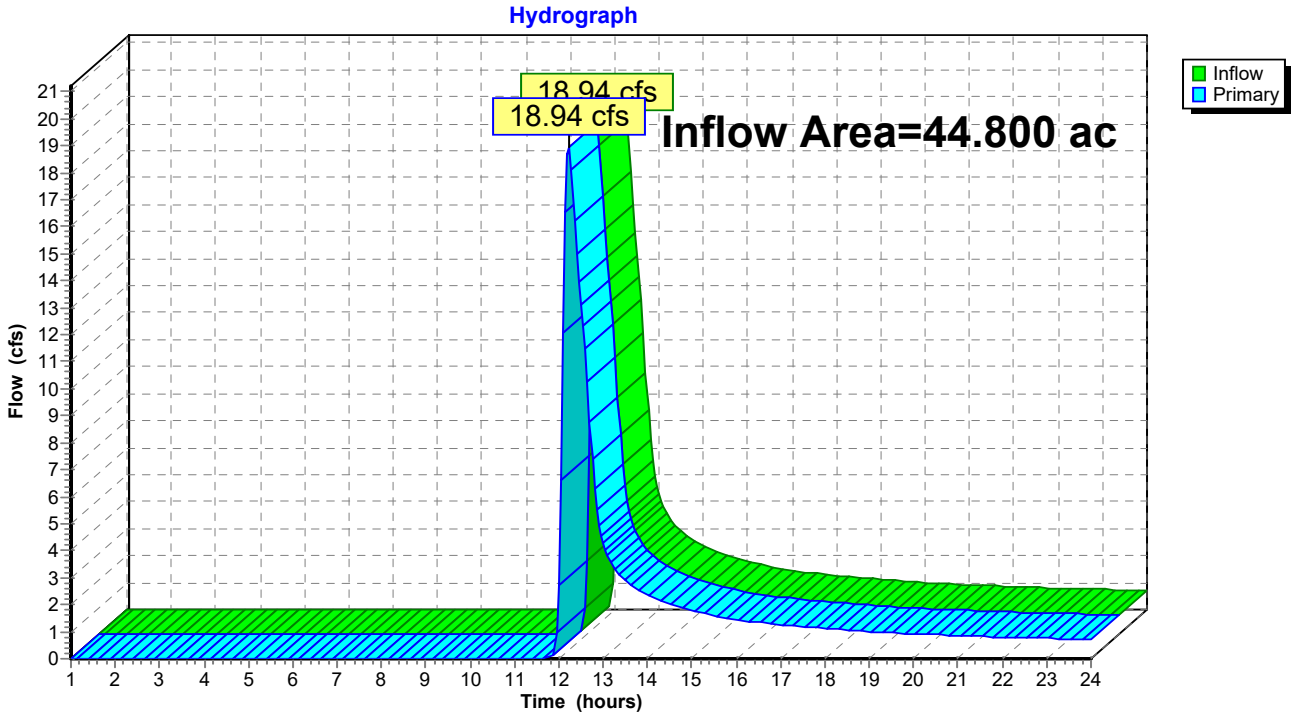


Summary for Link 22L: V

Inflow Area = 44.800 ac, 0.00% Impervious, Inflow Depth > 0.57" for 10-yr event
Inflow = 18.94 cfs @ 12.22 hrs, Volume= 2.129 af
Primary = 18.94 cfs @ 12.22 hrs, Volume= 2.129 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 22L: V

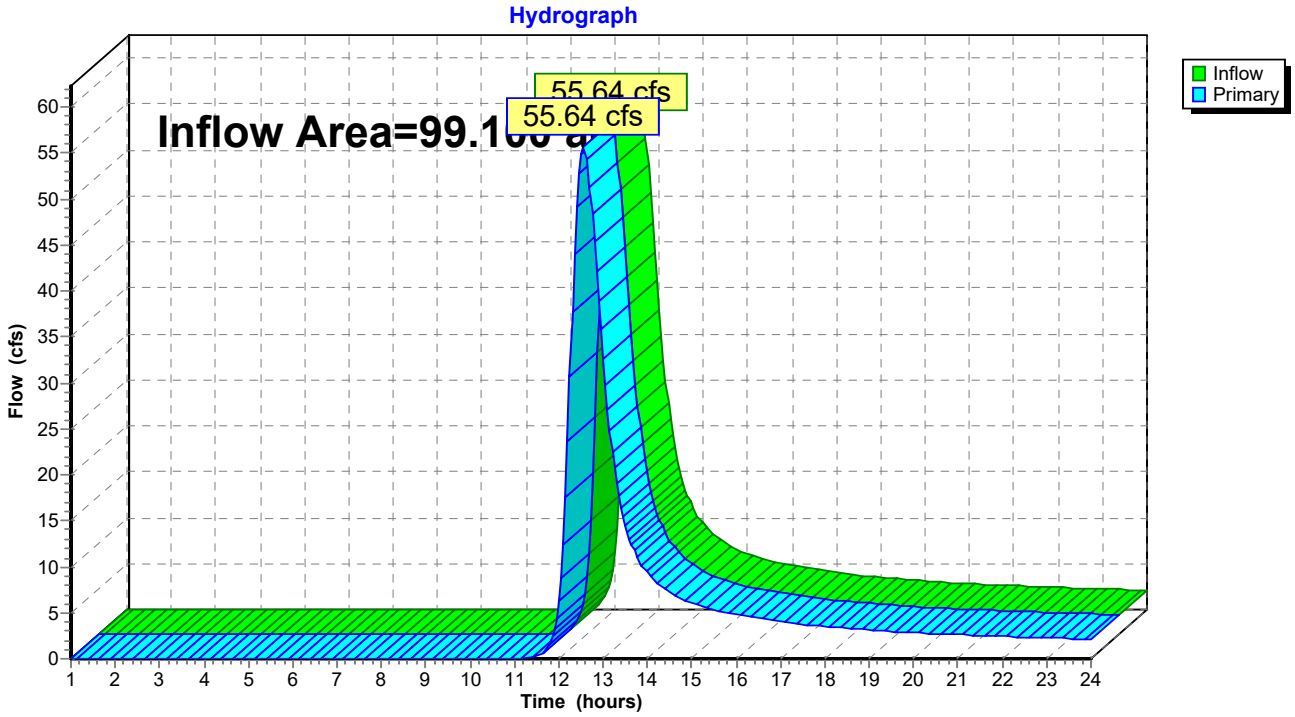


Summary for Link 23L: W

Inflow Area = 99.100 ac, 0.00% Impervious, Inflow Depth > 0.93" for 10-yr event
Inflow = 55.64 cfs @ 12.56 hrs, Volume= 7.718 af
Primary = 55.64 cfs @ 12.56 hrs, Volume= 7.718 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 23L: W

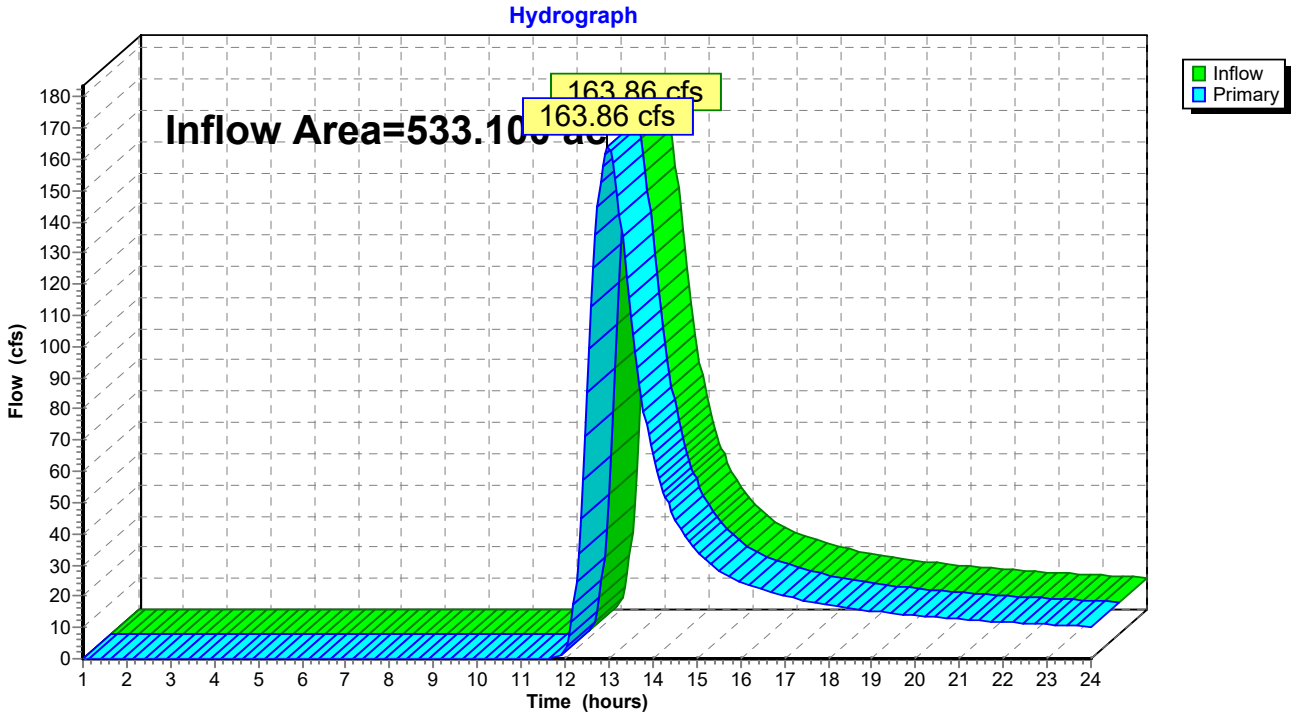


Summary for Link 24L: X

Inflow Area = 533.100 ac, 0.00% Impervious, Inflow Depth > 0.73" for 10-yr event
Inflow = 163.86 cfs @ 12.97 hrs, Volume= 32.401 af
Primary = 163.86 cfs @ 12.97 hrs, Volume= 32.401 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 24L: X

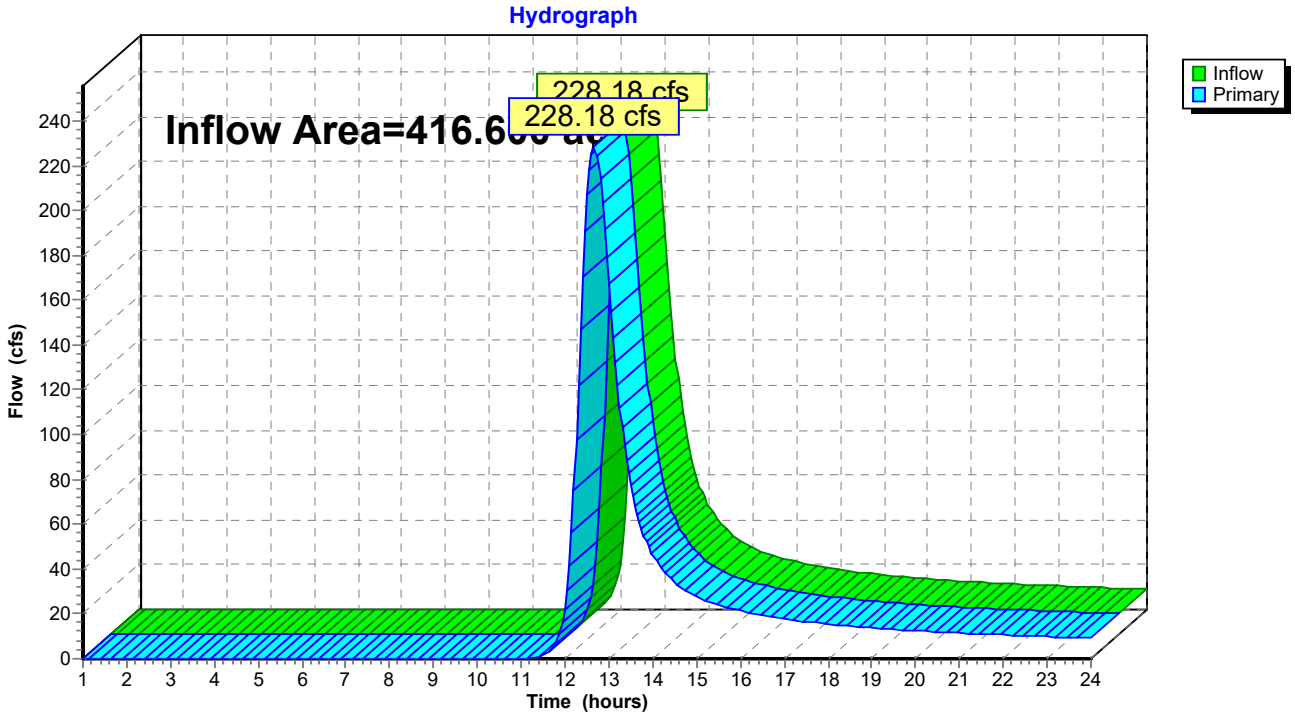


Summary for Link 25L: Y

Inflow Area = 416.600 ac, 0.00% Impervious, Inflow Depth > 0.99" for 10-yr event
Inflow = 228.18 cfs @ 12.66 hrs, Volume= 34.210 af
Primary = 228.18 cfs @ 12.66 hrs, Volume= 34.210 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 25L: Y

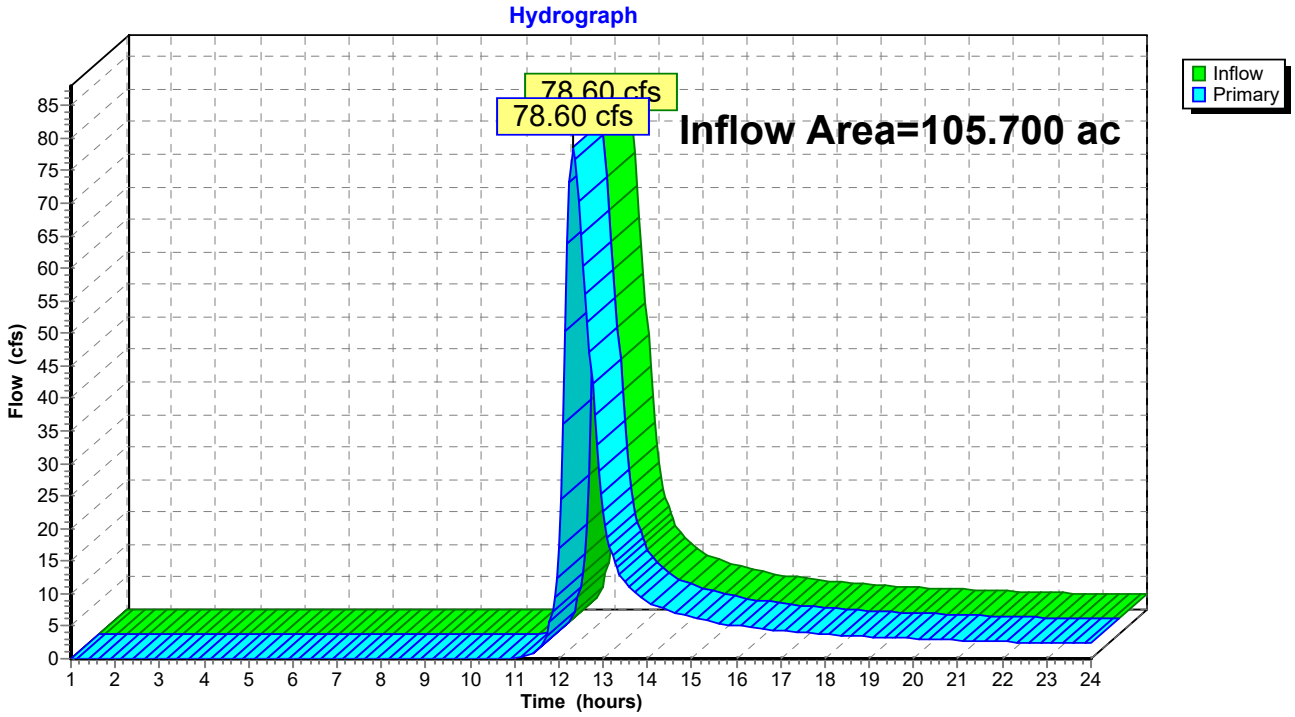


Summary for Link 26L: Z

Inflow Area = 105.700 ac, 0.00% Impervious, Inflow Depth > 0.99" for 10-yr event
Inflow = 78.60 cfs @ 12.33 hrs, Volume= 8.742 af
Primary = 78.60 cfs @ 12.33 hrs, Volume= 8.742 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 26L: Z

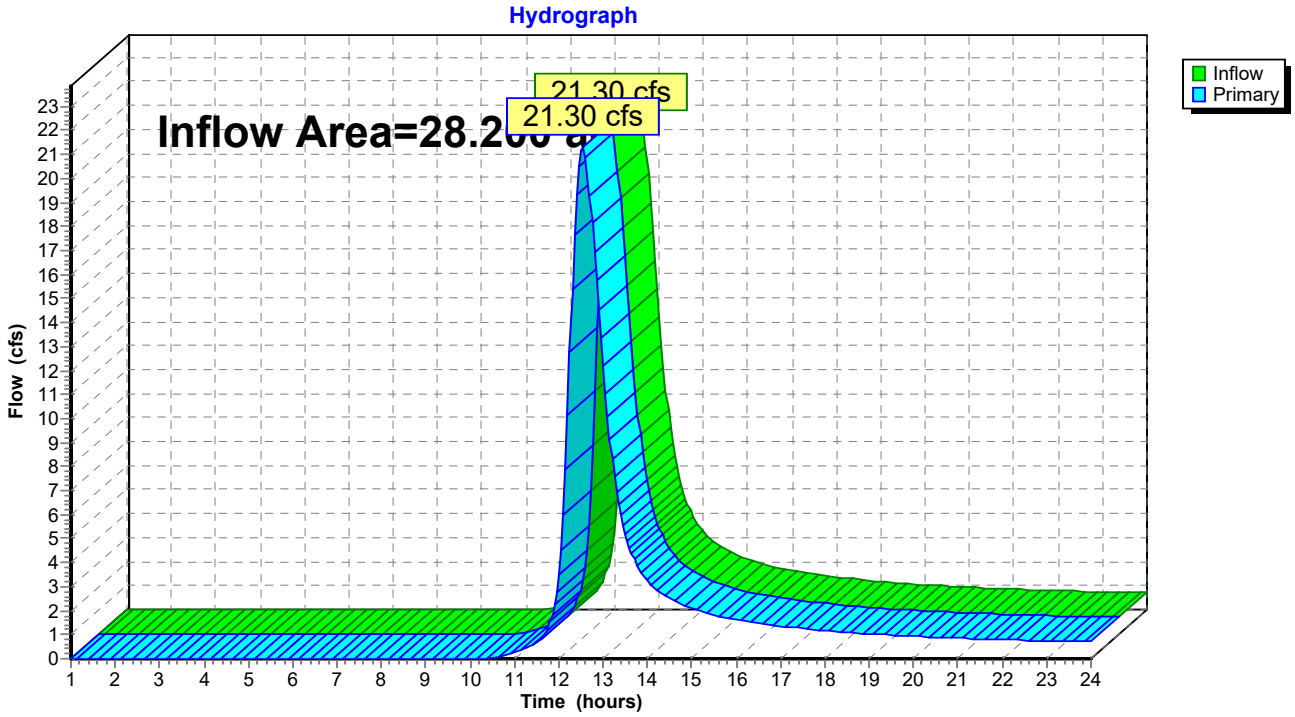


Summary for Link 27L: AA

Inflow Area = 28.200 ac, 0.00% Impervious, Inflow Depth > 1.22" for 10-yr event
Inflow = 21.30 cfs @ 12.54 hrs, Volume= 2.863 af
Primary = 21.30 cfs @ 12.54 hrs, Volume= 2.863 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 27L: AA

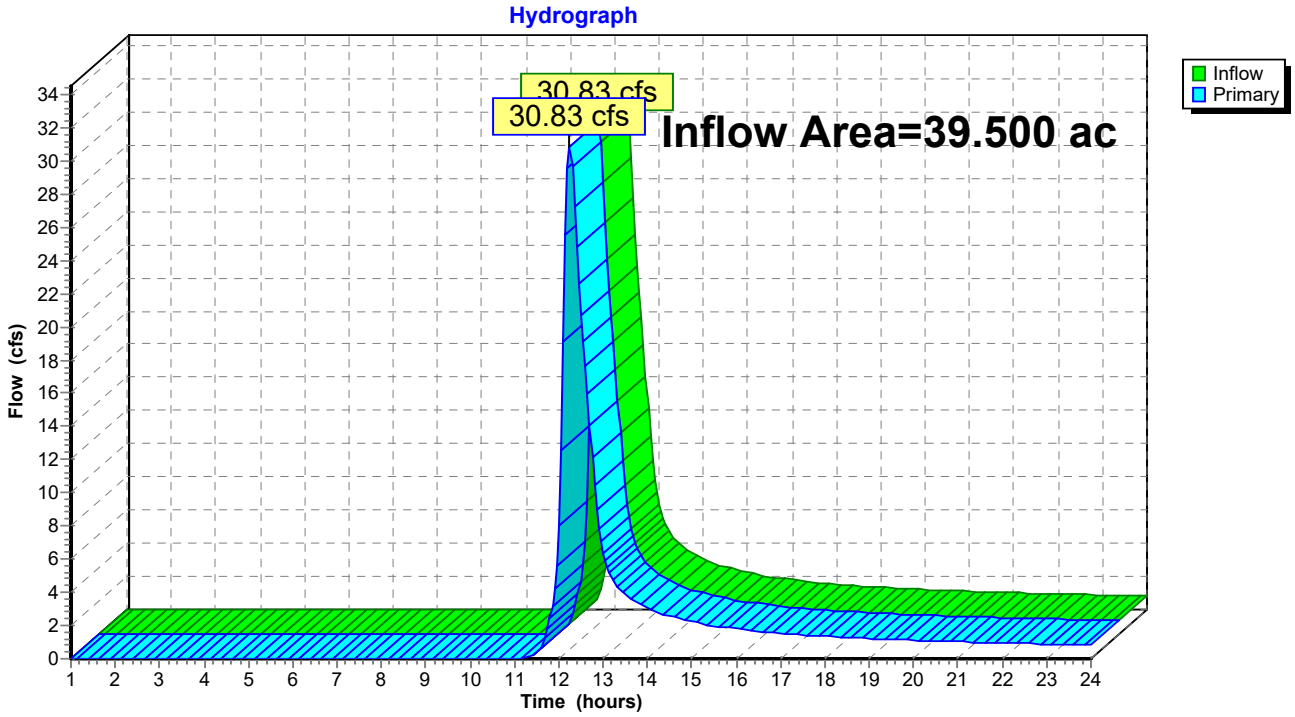


Summary for Link 28L: BB

Inflow Area = 39.500 ac, 0.00% Impervious, Inflow Depth > 0.94" for 10-yr event
Inflow = 30.83 cfs @ 12.25 hrs, Volume= 3.097 af
Primary = 30.83 cfs @ 12.25 hrs, Volume= 3.097 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 28L: BB

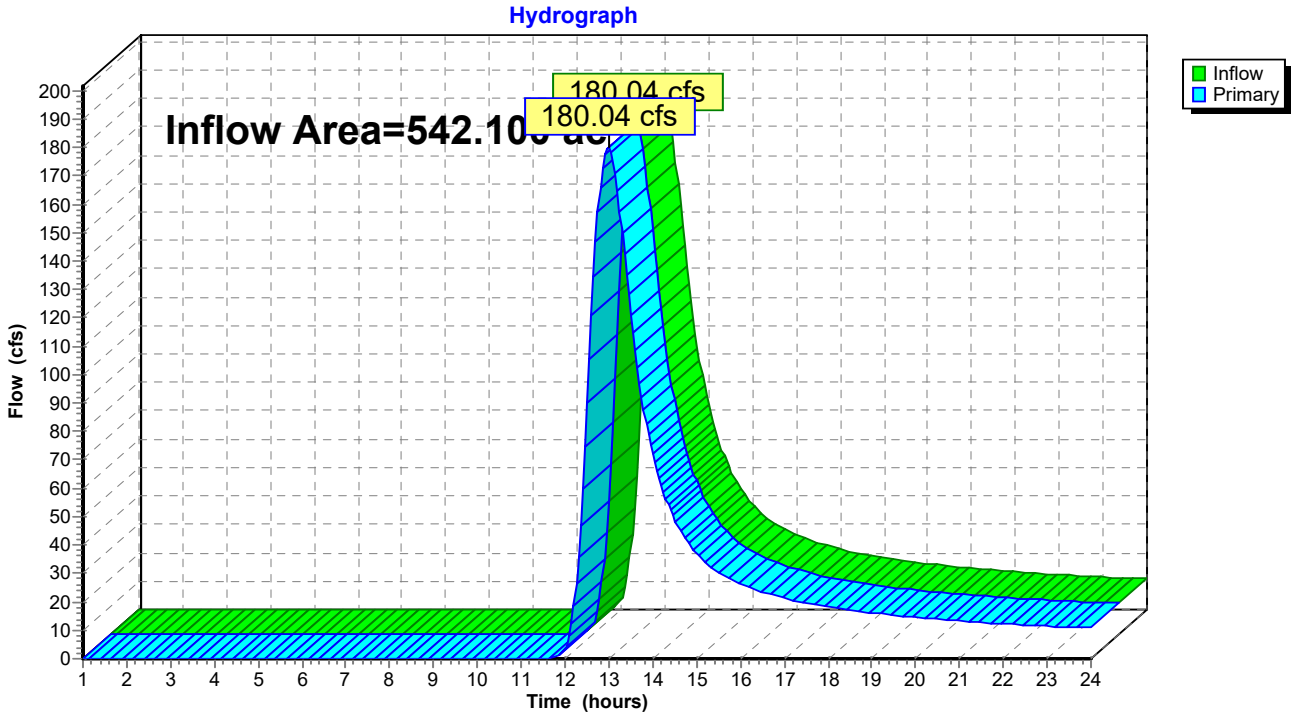


Summary for Link 29L: CC

Inflow Area = 542.100 ac, 0.00% Impervious, Inflow Depth > 0.78" for 10-yr event
Inflow = 180.04 cfs @ 12.99 hrs, Volume= 35.040 af
Primary = 180.04 cfs @ 12.99 hrs, Volume= 35.040 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 29L: CC

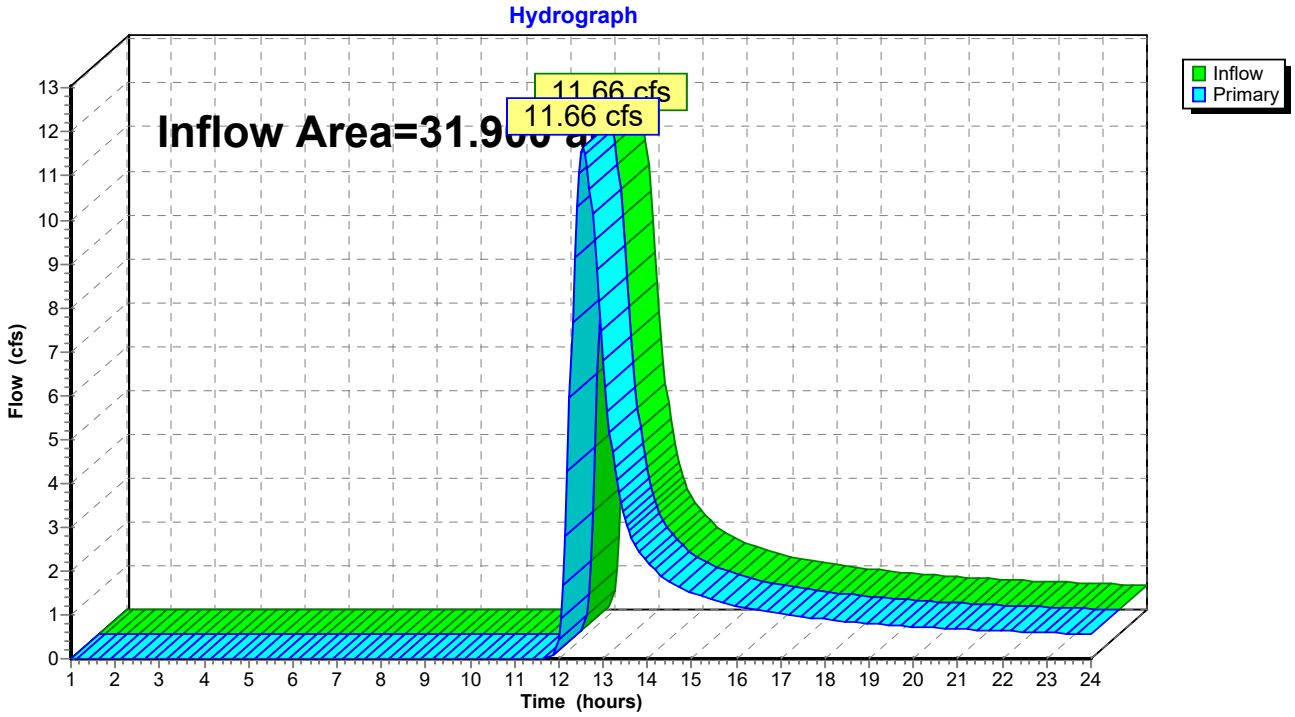


Summary for Link 30L: DD

Inflow Area = 31.900 ac, 0.00% Impervious, Inflow Depth > 0.65" for 10-yr event
Inflow = 11.66 cfs @ 12.55 hrs, Volume= 1.725 af
Primary = 11.66 cfs @ 12.55 hrs, Volume= 1.725 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 30L: DD



Time span=1.00-24.00 hrs, dt=0.05 hrs, 461 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: 1 Runoff Area=1,046.600 ac 0.00% Impervious Runoff Depth>2.47"
Flow Length=16,710' Slope=0.0270 '/' Tc=87.0 min CN=76 Runoff=1,087.59 cfs 215.664 af

Subcatchment 2S: 2 Runoff Area=153.300 ac 0.00% Impervious Runoff Depth>2.76"
Flow Length=4,670' Tc=51.1 min CN=79 Runoff=247.99 cfs 35.269 af

Subcatchment 3S: 3 Runoff Area=29.300 ac 0.00% Impervious Runoff Depth>2.87"
Flow Length=1,150' Tc=26.3 min CN=80 Runoff=68.17 cfs 7.003 af

Subcatchment 4S: 4 Runoff Area=567.000 ac 0.00% Impervious Runoff Depth>2.66"
Flow Length=11,900' Tc=72.6 min CN=78 Runoff=718.27 cfs 125.540 af

Subcatchment 5S: 5 Runoff Area=523.000 ac 0.00% Impervious Runoff Depth>2.18"
Flow Length=1,375' Slope=0.2200 '/' Tc=11.8 min CN=72 Runoff=1,262.47 cfs 95.202 af

Subcatchment 6S: 6 Runoff Area=1,007.200 ac 0.00% Impervious Runoff Depth>2.41"
Flow Length=9,785' Tc=53.1 min CN=75 Runoff=1,388.11 cfs 202.239 af

Subcatchment 7S: 7 Runoff Area=104.600 ac 0.00% Impervious Runoff Depth>2.34"
Flow Length=3,500' Slope=0.0900 '/' Tc=24.2 min CN=74 Runoff=204.41 cfs 20.422 af

Subcatchment 8S: 8 Runoff Area=735.000 ac 0.00% Impervious Runoff Depth>2.47"
Flow Length=8,910' Tc=92.8 min CN=76 Runoff=730.99 cfs 151.214 af

Subcatchment 9S: 9 Runoff Area=94.800 ac 0.00% Impervious Runoff Depth>2.26"
Flow Length=2,775' Tc=21.4 min CN=73 Runoff=187.97 cfs 17.863 af

Subcatchment 10S: 10 Runoff Area=24.200 ac 0.00% Impervious Runoff Depth>1.78"
Flow Length=1,385' Tc=29.0 min CN=67 Runoff=31.83 cfs 3.593 af

Subcatchment 11S: 11 Runoff Area=683.900 ac 0.00% Impervious Runoff Depth>1.90"
Flow Length=8,510' Tc=93.4 min CN=69 Runoff=507.50 cfs 108.184 af

Subcatchment 12S: 12 Runoff Area=201.700 ac 0.00% Impervious Runoff Depth>1.77"
Flow Length=5,325' Tc=49.2 min CN=67 Runoff=205.59 cfs 29.768 af

Subcatchment 13S: 13 Runoff Area=142.600 ac 0.00% Impervious Runoff Depth>2.25"
Flow Length=4,230' Tc=36.3 min CN=73 Runoff=220.43 cfs 26.764 af

Subcatchment 14S: 14 Runoff Area=92.500 ac 0.00% Impervious Runoff Depth>2.50"
Flow Length=3,010' Tc=42.3 min CN=76 Runoff=148.88 cfs 19.287 af

Subcatchment 15S: 15 Runoff Area=85.900 ac 0.00% Impervious Runoff Depth>2.51"
Flow Length=1,410' Tc=22.6 min CN=76 Runoff=187.23 cfs 17.999 af

Subcatchment 16S: 16 Runoff Area=111.000 ac 0.00% Impervious Runoff Depth>2.51"
Flow Length=3,030' Tc=32.3 min CN=76 Runoff=204.08 cfs 23.202 af

Subcatchment 17S: 17 Runoff Area=6.500 ac 0.00% Impervious Runoff Depth>2.10"
Flow Length=680' Slope=0.2000 '/' Tc=11.1 min CN=71 Runoff=15.54 cfs 1.139 af

Subcatchment 18S: 18 Runoff Area=200.200 ac 0.00% Impervious Runoff Depth>1.77"
Flow Length=4,345' Tc=42.4 min CN=67 Runoff=220.21 cfs 29.608 af

Subcatchment 19S: 19 Runoff Area=161.200 ac 0.00% Impervious Runoff Depth>2.69"
Flow Length=1,050' Tc=25.9 min CN=78 Runoff=353.41 cfs 36.107 af

Subcatchment 20S: 20 Runoff Area=254.500 ac 0.00% Impervious Runoff Depth>1.93"
Flow Length=5,825' Tc=34.2 min CN=69 Runoff=340.78 cfs 40.982 af

Subcatchment 21S: 21 Runoff Area=286.300 ac 0.00% Impervious Runoff Depth>2.17"
Flow Length=6,035' Tc=31.9 min CN=72 Runoff=453.04 cfs 51.838 af

Subcatchment 22S: 22 Runoff Area=44.800 ac 0.00% Impervious Runoff Depth>1.71"
Flow Length=2,185' Tc=15.8 min CN=66 Runoff=73.13 cfs 6.398 af

Subcatchment 23S: 23 Runoff Area=99.100 ac 0.00% Impervious Runoff Depth>2.33"
Flow Length=2,880' Tc=38.7 min CN=74 Runoff=154.68 cfs 19.275 af

Subcatchment 24S: 24 Runoff Area=533.100 ac 0.00% Impervious Runoff Depth>1.99"
Flow Length=12,990' Tc=65.9 min CN=70 Runoff=524.19 cfs 88.517 af

Subcatchment 25S: 25 Runoff Area=416.600 ac 0.00% Impervious Runoff Depth>2.41"
Flow Length=7,355' Tc=46.0 min CN=75 Runoff=617.59 cfs 83.806 af

Subcatchment 26S: 26 Runoff Area=105.700 ac 0.00% Impervious Runoff Depth>2.43"
Flow Length=1,875' Tc=25.0 min CN=75 Runoff=211.39 cfs 21.378 af

Subcatchment 27S: 27 Runoff Area=28.200 ac 0.00% Impervious Runoff Depth>2.77"
Flow Length=1,470' Tc=39.7 min CN=79 Runoff=51.99 cfs 6.506 af

Subcatchment 28S: 28 Runoff Area=39.500 ac 0.00% Impervious Runoff Depth>2.35"
Flow Length=2,680' Slope=0.1300 '/' Tc=19.5 min CN=74 Runoff=84.81 cfs 7.721 af

Subcatchment 29S: 29 Runoff Area=542.100 ac 0.00% Impervious Runoff Depth>2.07"
Flow Length=10,730' Tc=67.0 min CN=71 Runoff=555.31 cfs 93.565 af

Subcatchment 30S: 30 Runoff Area=31.900 ac 0.00% Impervious Runoff Depth>1.85"
Flow Length=1,210' Tc=35.4 min CN=68 Runoff=40.23 cfs 4.930 af

Link 1L: A Inflow=1,087.59 cfs 215.664 af
Primary=1,087.59 cfs 215.664 af

Link 2L: B Inflow=247.99 cfs 35.269 af
Primary=247.99 cfs 35.269 af

Link 3L: C Inflow=68.17 cfs 7.003 af
Primary=68.17 cfs 7.003 af

Link 4L: D Inflow=718.27 cfs 125.540 af
Primary=718.27 cfs 125.540 af

Link 5L: E Inflow=1,262.47 cfs 95.202 af
Primary=1,262.47 cfs 95.202 af

Link 6L: F Inflow=1,388.11 cfs 202.239 af
Primary=1,388.11 cfs 202.239 af

Link 7L: G Inflow=204.41 cfs 20.422 af
Primary=204.41 cfs 20.422 af

Link 8L: H Inflow=730.99 cfs 151.214 af
Primary=730.99 cfs 151.214 af

Link 9L: I Inflow=187.97 cfs 17.863 af
Primary=187.97 cfs 17.863 af

Link 10L: J Inflow=31.83 cfs 3.593 af
Primary=31.83 cfs 3.593 af

Link 11L: K Inflow=507.50 cfs 108.184 af
Primary=507.50 cfs 108.184 af

Link 12L: L Inflow=205.59 cfs 29.768 af
Primary=205.59 cfs 29.768 af

Link 13L: M Inflow=220.43 cfs 26.764 af
Primary=220.43 cfs 26.764 af

Link 14L: N Inflow=148.88 cfs 19.287 af
Primary=148.88 cfs 19.287 af

Link 15L: O Inflow=187.23 cfs 17.999 af
Primary=187.23 cfs 17.999 af

Link 16L: P Inflow=204.08 cfs 23.202 af
Primary=204.08 cfs 23.202 af

Link 17L: Q Inflow=15.54 cfs 1.139 af
Primary=15.54 cfs 1.139 af

Link 18L: R Inflow=220.21 cfs 29.608 af
Primary=220.21 cfs 29.608 af

Link 19L: S Inflow=353.41 cfs 36.107 af
Primary=353.41 cfs 36.107 af

Link 20L: T Inflow=340.78 cfs 40.982 af
Primary=340.78 cfs 40.982 af

Link 21L: U Inflow=453.04 cfs 51.838 af
Primary=453.04 cfs 51.838 af

Link 22L: V Inflow=73.13 cfs 6.398 af
Primary=73.13 cfs 6.398 af

Link 23L: W Inflow=154.68 cfs 19.275 af
Primary=154.68 cfs 19.275 af

Link 24L: X Inflow=524.19 cfs 88.517 af
Primary=524.19 cfs 88.517 af

Link 25L: Y Inflow=617.59 cfs 83.806 af
Primary=617.59 cfs 83.806 af

Link 26L: Z Inflow=211.39 cfs 21.378 af
Primary=211.39 cfs 21.378 af

Link 27L: AA Inflow=51.99 cfs 6.506 af
Primary=51.99 cfs 6.506 af

Link 28L: BB Inflow=84.81 cfs 7.721 af
Primary=84.81 cfs 7.721 af

Link 29L: CC Inflow=555.31 cfs 93.565 af
Primary=555.31 cfs 93.565 af

Link 30L: DD Inflow=40.23 cfs 4.930 af
Primary=40.23 cfs 4.930 af

Total Runoff Area = 8,352.300 ac Runoff Volume = 1,590.983 af Average Runoff Depth = 2.29"
100.00% Pervious = 8,352.300 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: 1

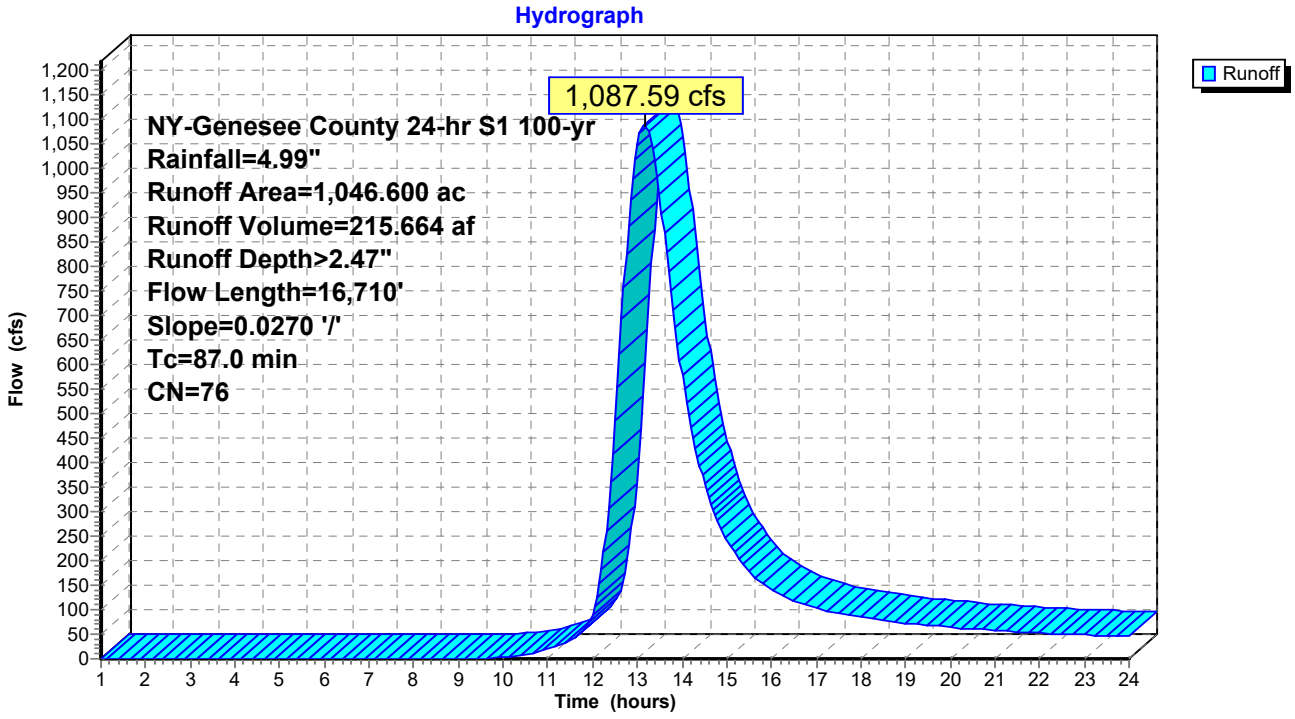
Runoff = 1,087.59 cfs @ 13.16 hrs, Volume= 215.664 af, Depth> 2.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	1,046.600	76	
	1,046.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
55.2	16,560		5.00		**Direct Entry,**
87.0	16,710	Total			

Subcatchment 1S: 1



Summary for Subcatchment 2S: 2

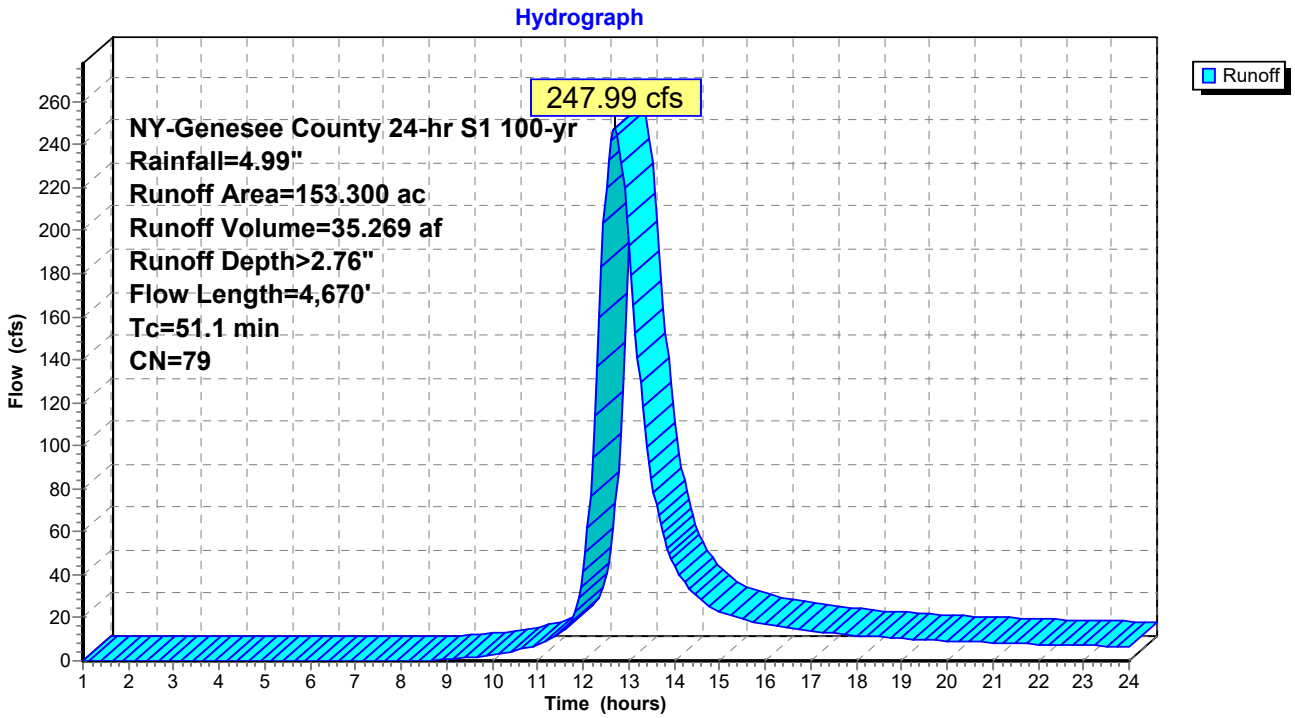
Runoff = 247.99 cfs @ 12.69 hrs, Volume= 35.269 af, Depth> 2.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	153.300	79	
	153.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.9	2,300	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.4	2,220		5.00		**Direct Entry,**
51.1	4,670	Total			

Subcatchment 2S: 2



Summary for Subcatchment 3S: 3

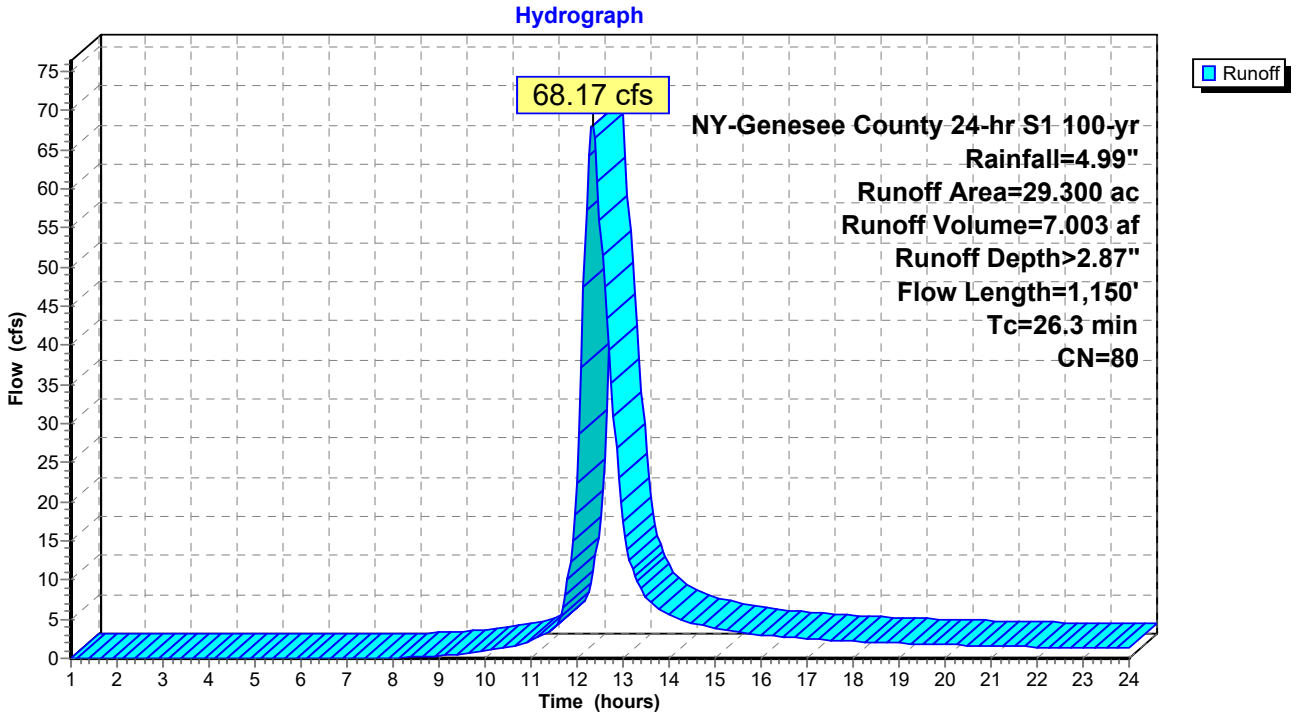
Runoff = 68.17 cfs @ 12.33 hrs, Volume= 7.003 af, Depth> 2.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	29.300	80	
	29.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,000	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
26.3	1,150	Total			

Subcatchment 3S: 3



Summary for Subcatchment 4S: 4

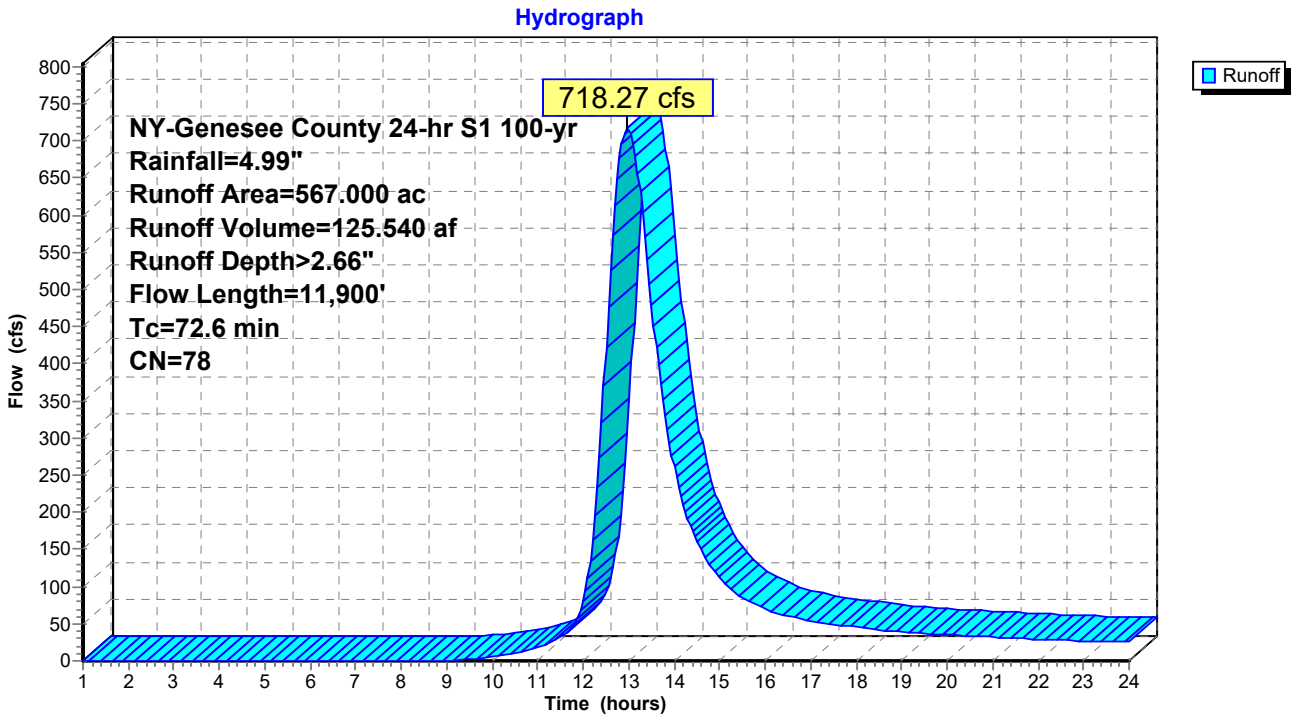
Runoff = 718.27 cfs @ 12.98 hrs, Volume= 125.540 af, Depth> 2.66"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	567.000	78	
	567.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
27.1	150	0.0400	0.09		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.7	1,600	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
33.8	10,150		5.00		**Direct Entry,**
72.6	11,900	Total			

Subcatchment 4S: 4



Summary for Subcatchment 5S: 5

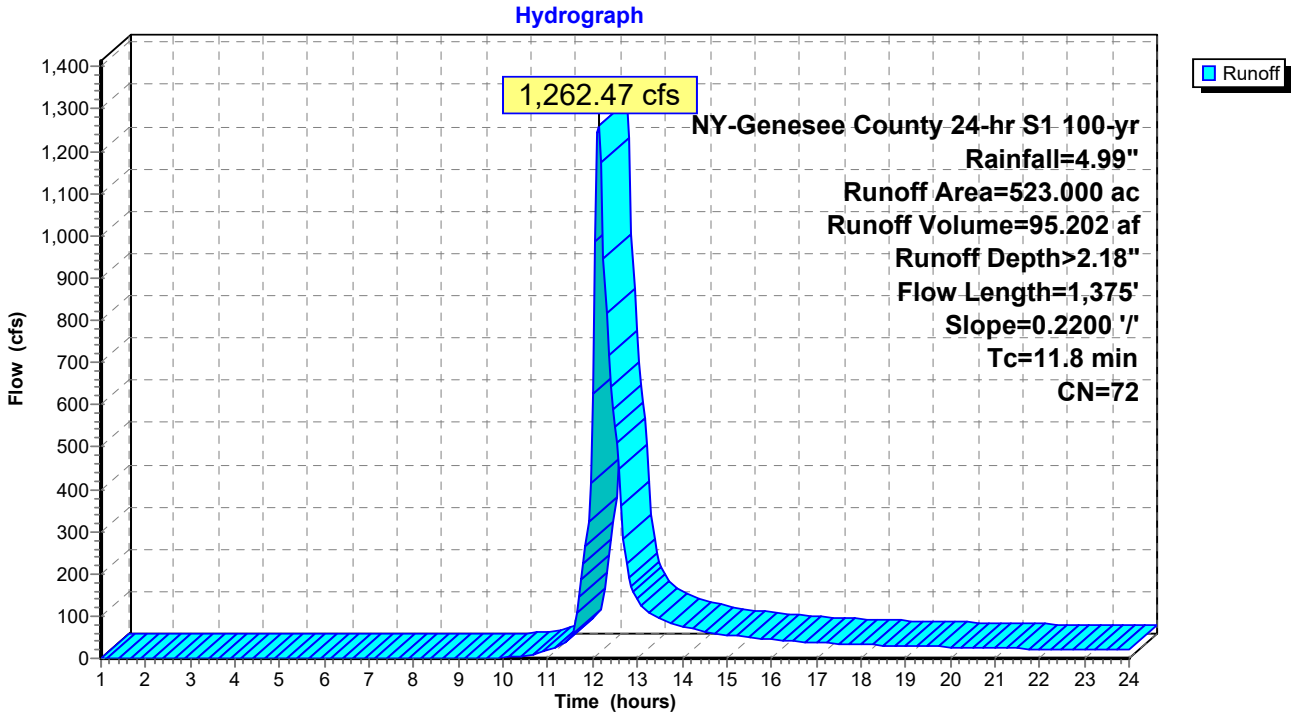
Runoff = 1,262.47 cfs @ 12.13 hrs, Volume= 95.202 af, Depth> 2.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	523.000	72	
	523.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	150	0.2200	0.27		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	1,225	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.8	1,375	Total			

Subcatchment 5S: 5



Summary for Subcatchment 6S: 6

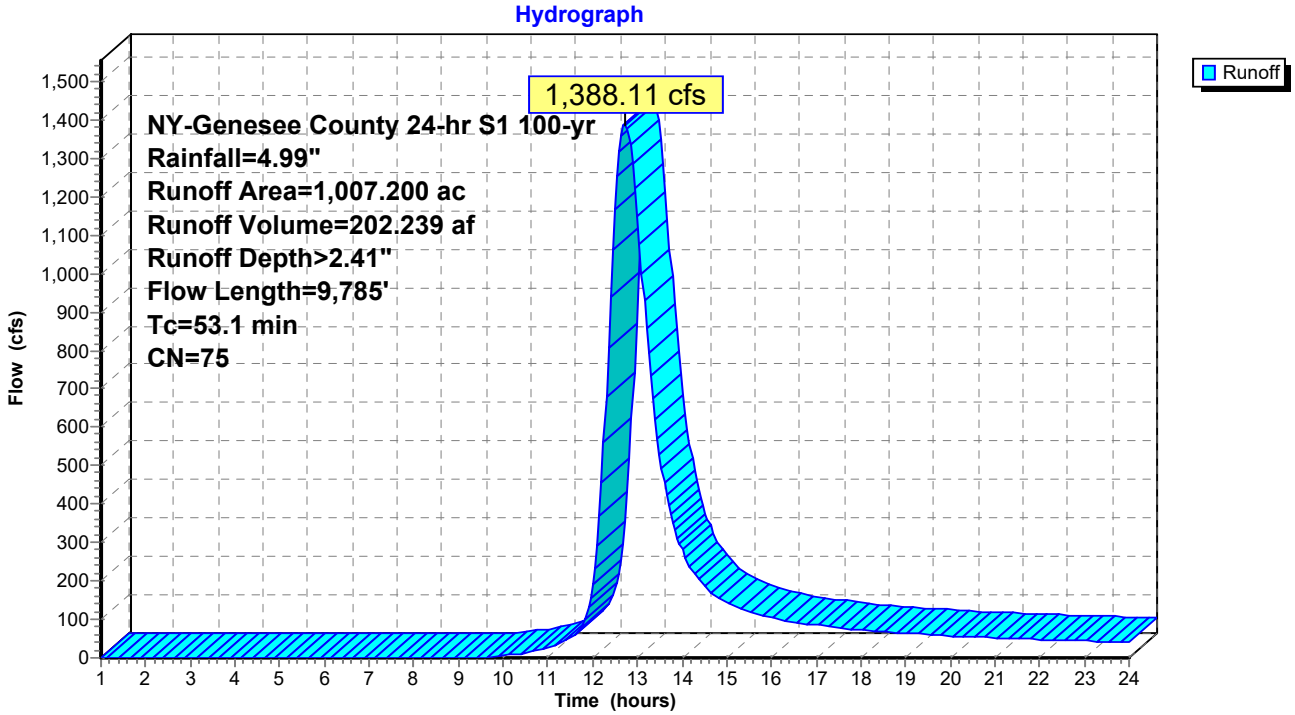
Runoff = 1,388.11 cfs @ 12.72 hrs, Volume= 202.239 af, Depth> 2.41"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	1,007.200	75	
	1,007.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.7	1,450	0.1000	5.09		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
27.3	8,185		5.00		**Direct Entry,**
53.1	9,785	Total			

Subcatchment 6S: 6



Summary for Subcatchment 7S: 7

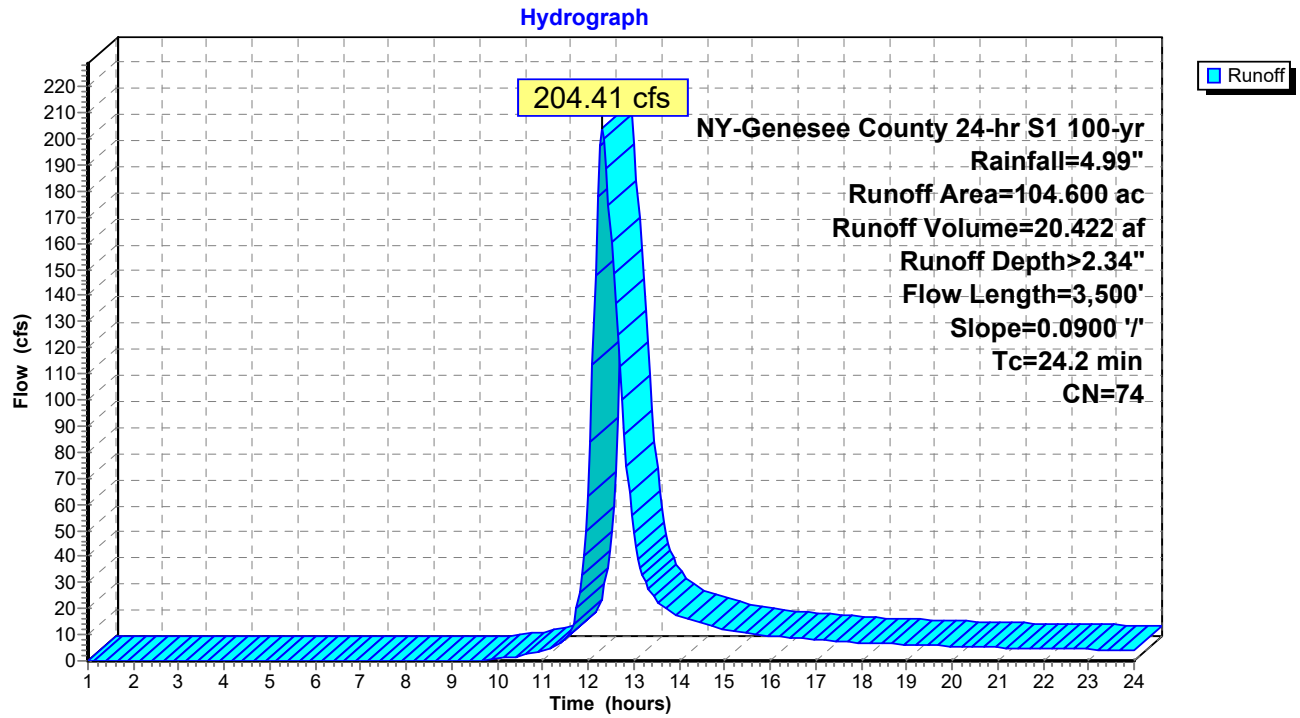
Runoff = 204.41 cfs @ 12.31 hrs, Volume= 20.422 af, Depth> 2.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	104.600	74	
	104.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	500	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
9.5	2,850		5.00		**Direct Entry,**
24.2	3,500	Total			

Subcatchment 7S: 7



Summary for Subcatchment 8S: 8

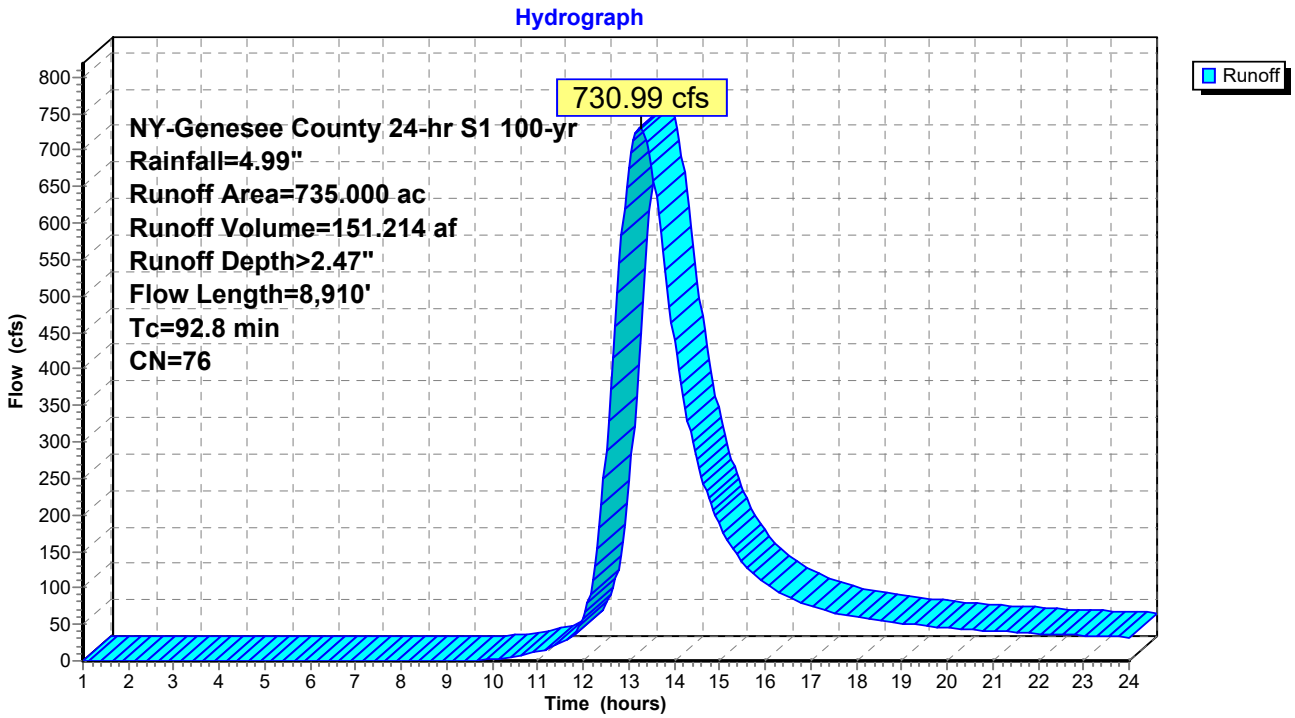
Runoff = 730.99 cfs @ 13.26 hrs, Volume= 151.214 af, Depth> 2.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	735.000	76	
	735.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
47.3	150	0.0100	0.05		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
30.0	4,100	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
15.5	4,660		5.00		**Direct Entry,**
92.8	8,910	Total			

Subcatchment 8S: 8



Summary for Subcatchment 9S: 9

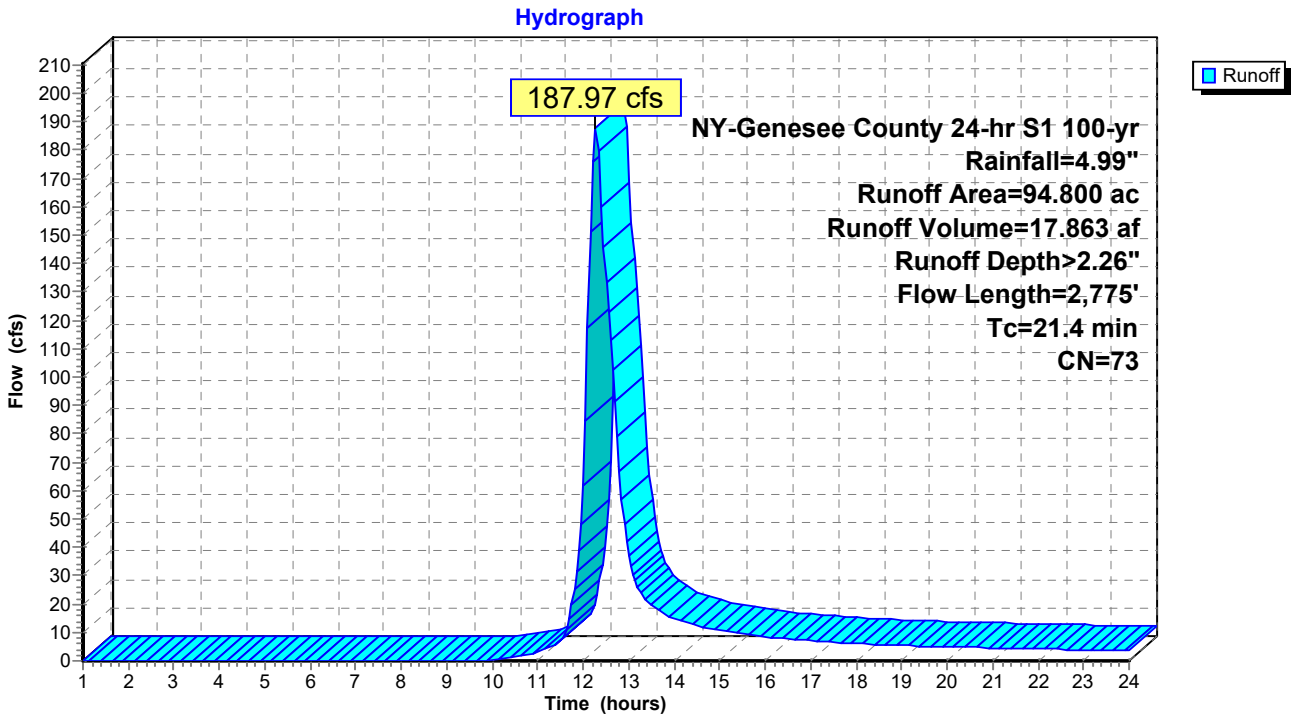
Runoff = 187.97 cfs @ 12.27 hrs, Volume= 17.863 af, Depth> 2.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	94.800	73	
	94.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	625	0.1500	6.24		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.7	2,000		5.00		**Direct Entry,**
21.4	2,775	Total			

Subcatchment 9S: 9



Summary for Subcatchment 10S: 10

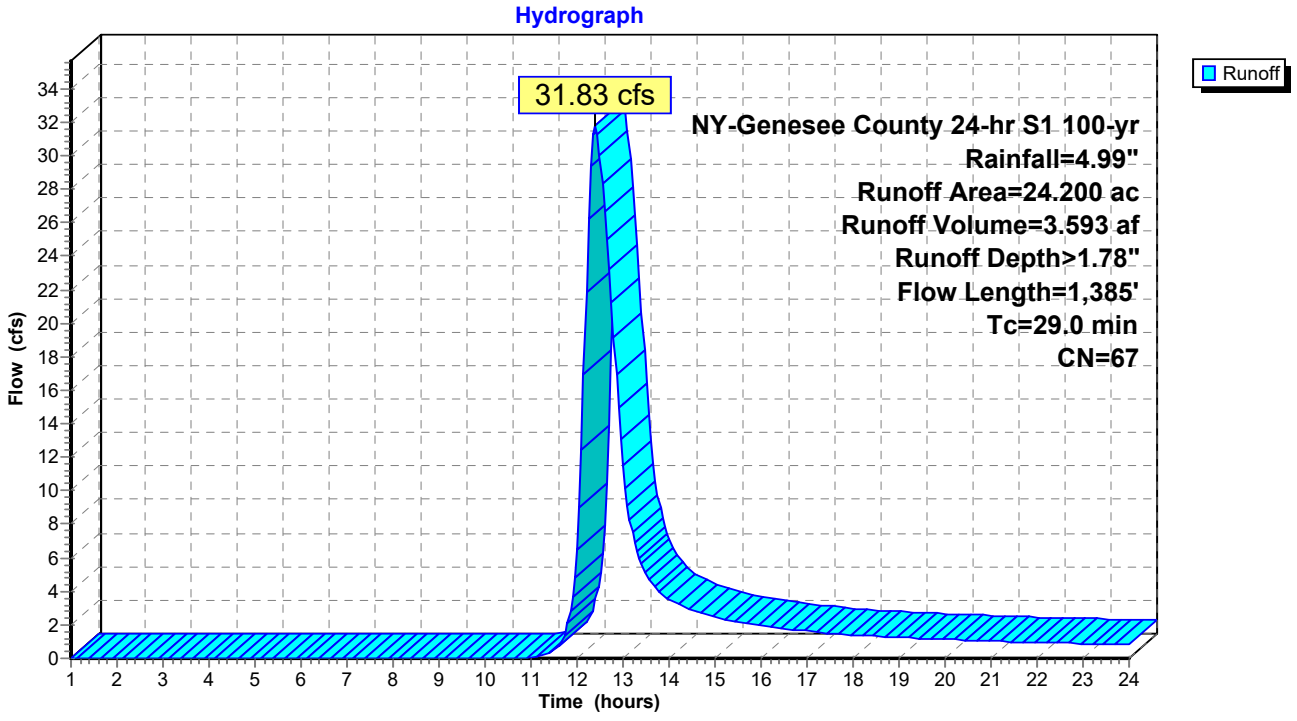
Runoff = 31.83 cfs @ 12.40 hrs, Volume= 3.593 af, Depth> 1.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	24.200	67	
	24.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,235	0.0600	3.94		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
29.0	1,385	Total			

Subcatchment 10S: 10



Summary for Subcatchment 11S: 11

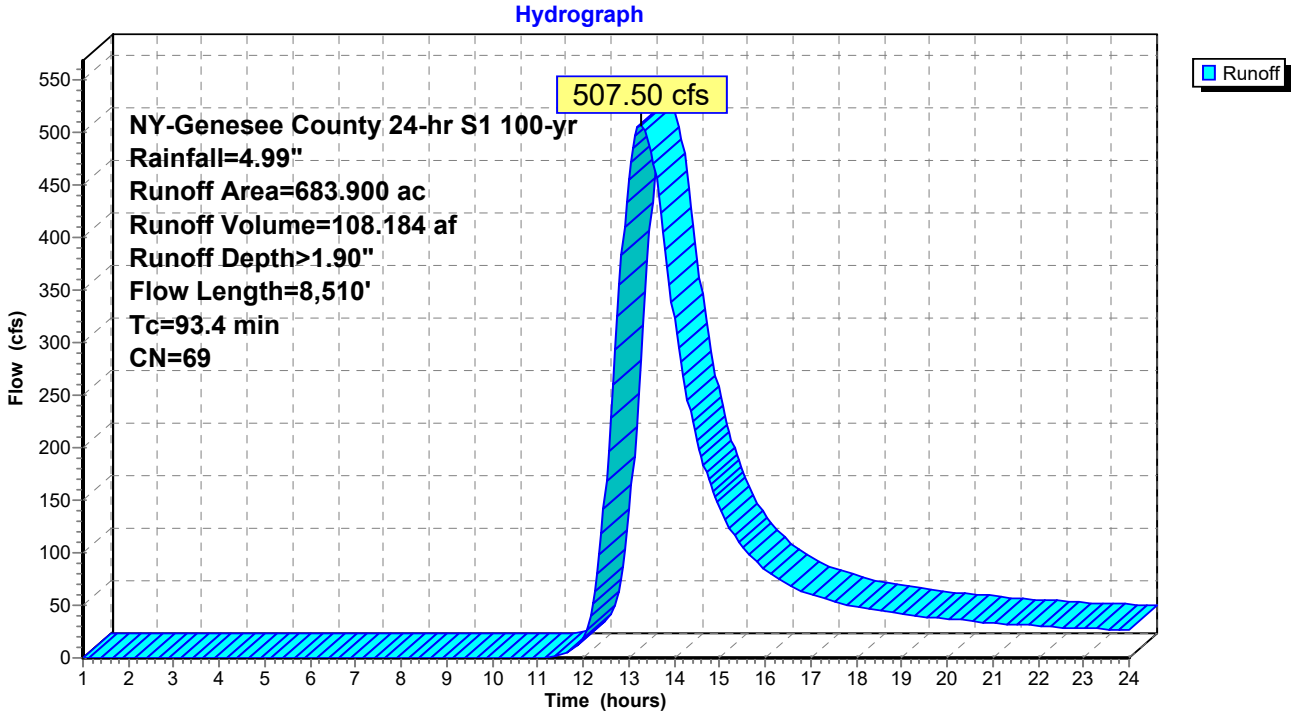
Runoff = 507.50 cfs @ 13.28 hrs, Volume= 108.184 af, Depth> 1.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	683.900	69	
	683.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.1	30	0.3300	0.23		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
64.2	6,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.2	2,160		5.00		**Direct Entry,**
93.4	8,510	Total			

Subcatchment 11S: 11



Summary for Subcatchment 12S: 12

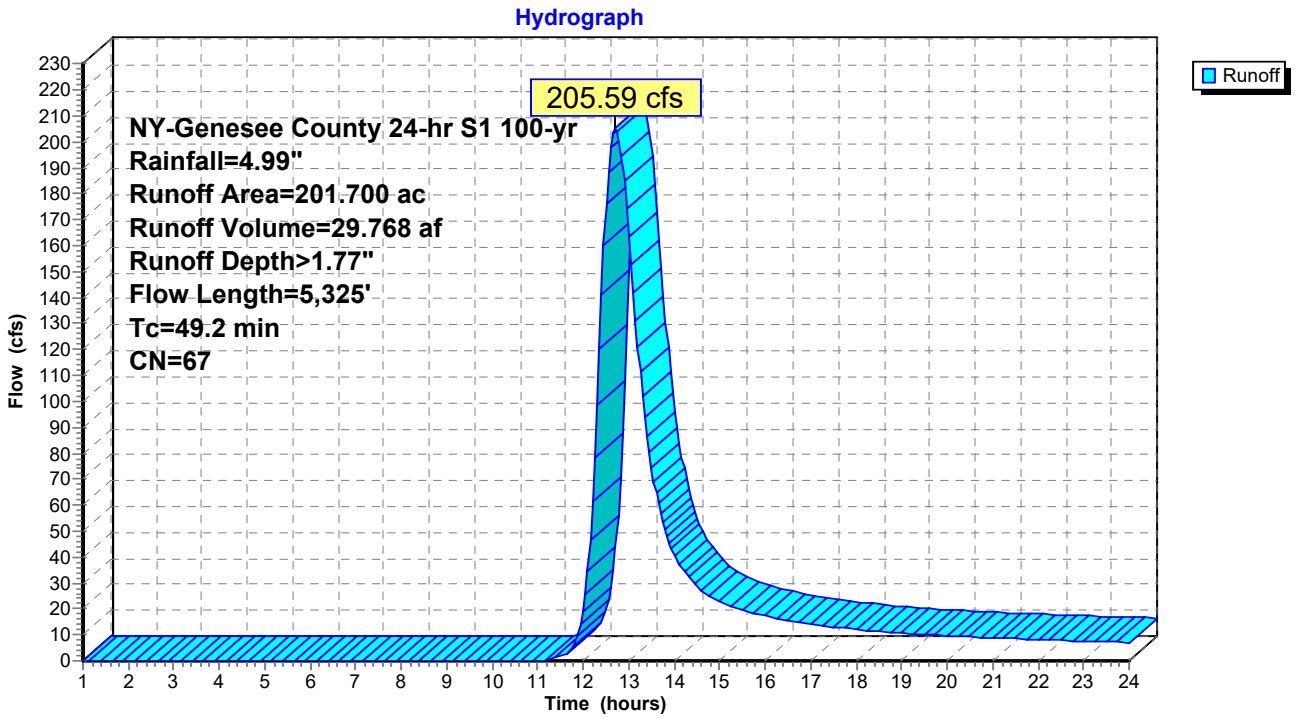
Runoff = 205.59 cfs @ 12.71 hrs, Volume= 29.768 af, Depth> 1.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	201.700	67	
	201.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.6	1,810	0.0800	4.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.2	3,365		5.00		**Direct Entry,**
49.2	5,325	Total			

Subcatchment 12S: 12



Summary for Subcatchment 13S: 13

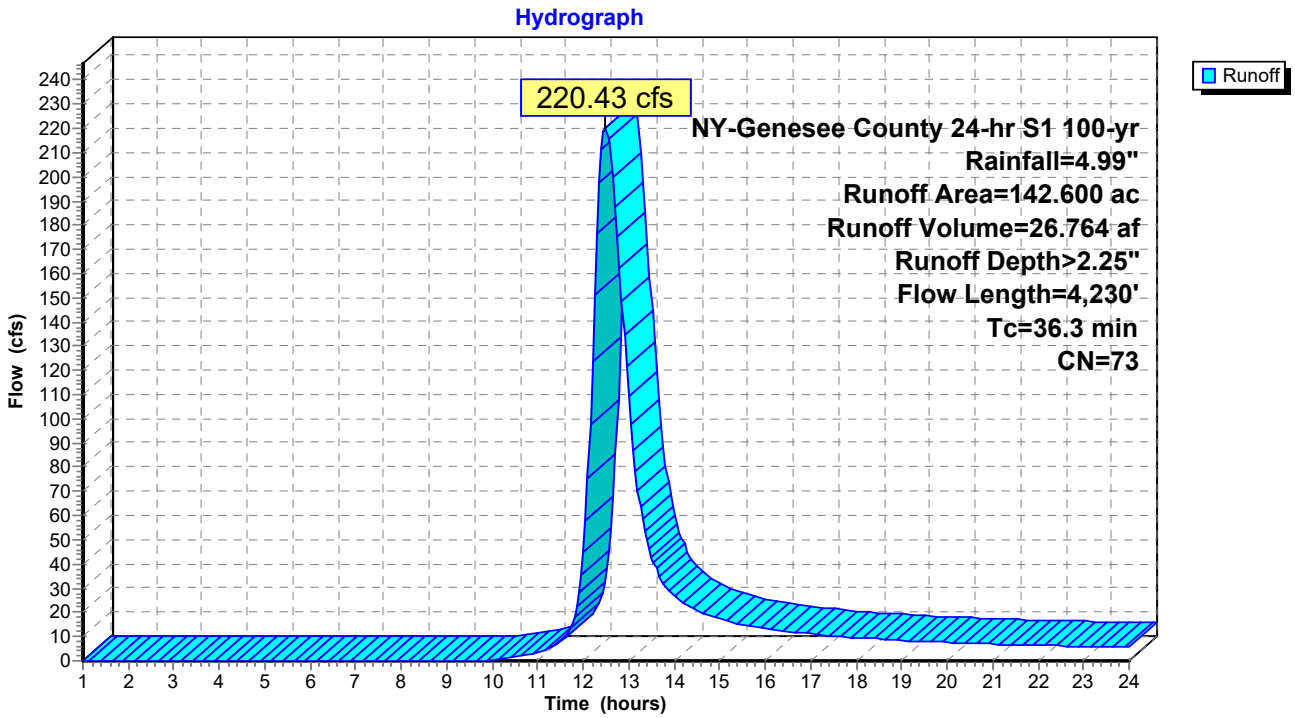
Runoff = 220.43 cfs @ 12.49 hrs, Volume= 26.764 af, Depth> 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	142.600	73	
	142.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.6	150	0.0100	0.12		**Sheet Flow,** Grass: Short n= 0.150 P2= 2.20"
2.8	510	0.0350	3.01		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.9	3,570		5.00		**Direct Entry,**
36.3	4,230	Total			

Subcatchment 13S: 13



Summary for Subcatchment 14S: 14

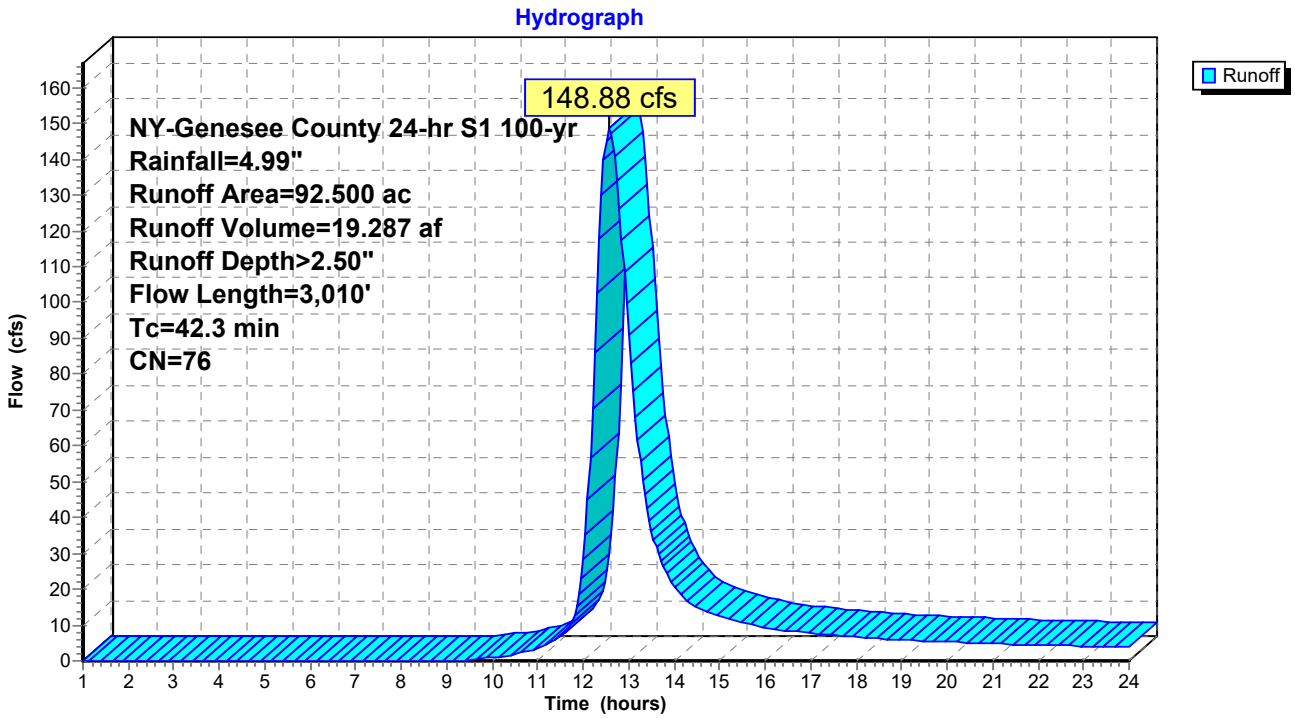
Runoff = 148.88 cfs @ 12.57 hrs, Volume= 19.287 af, Depth> 2.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	92.500	76	
	92.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.8	1,040	0.0500	3.60		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.1	1,820		5.00		**Direct Entry,**
42.3	3,010	Total			

Subcatchment 14S: 14



Summary for Subcatchment 15S: 15

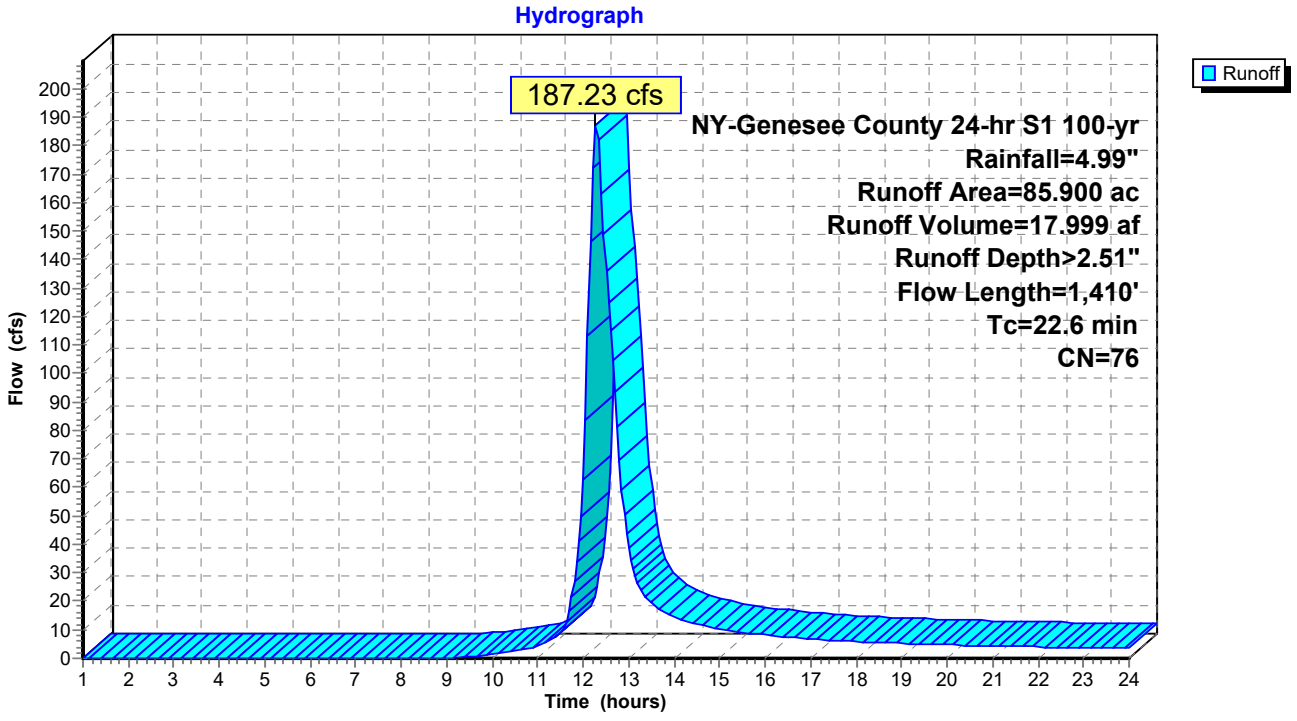
Runoff = 187.23 cfs @ 12.28 hrs, Volume= 17.999 af, Depth> 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	85.900	76	
	85.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.1	150	0.0530	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	1,260	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
22.6	1,410	Total			

Subcatchment 15S: 15



Summary for Subcatchment 16S: 16

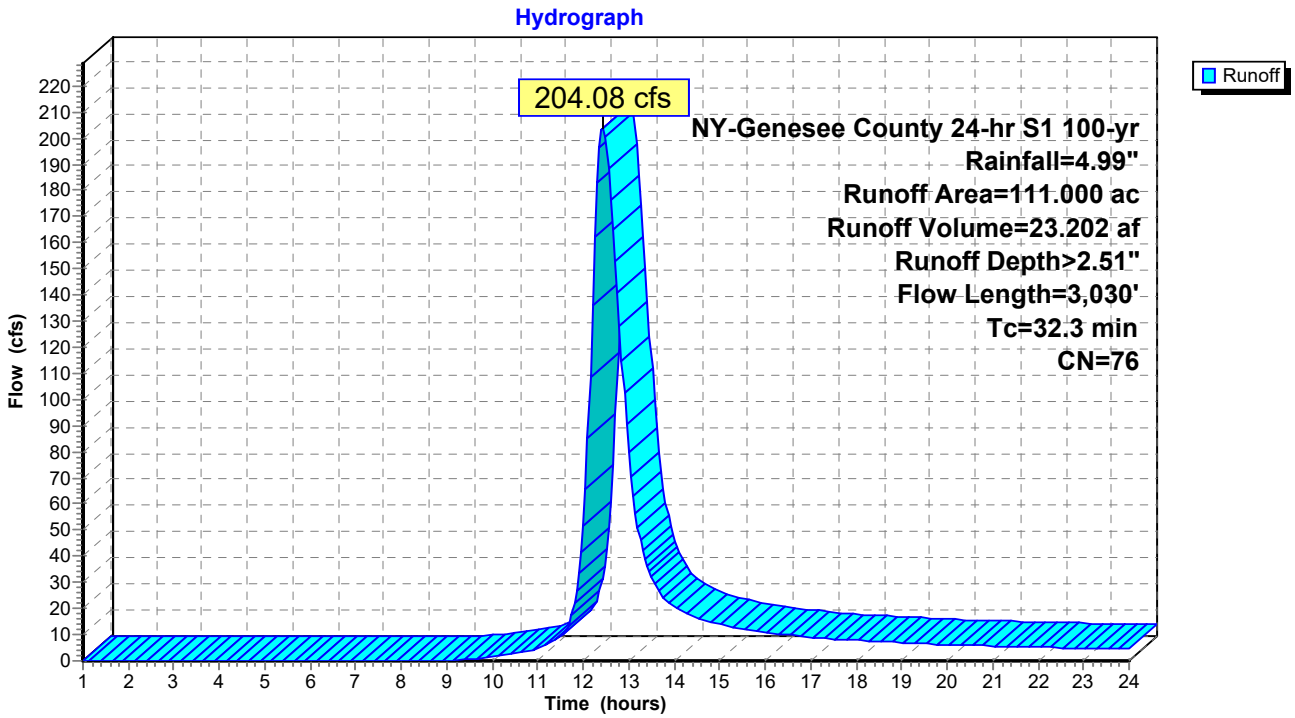
Runoff = 204.08 cfs @ 12.42 hrs, Volume= 23.202 af, Depth> 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	111.000	76	
	111.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.5	150	0.0500	0.15		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
14.0	2,350	0.0300	2.79		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	530		5.00		**Direct Entry,**
32.3	3,030	Total			

Subcatchment 16S: 16



Summary for Subcatchment 17S: 17

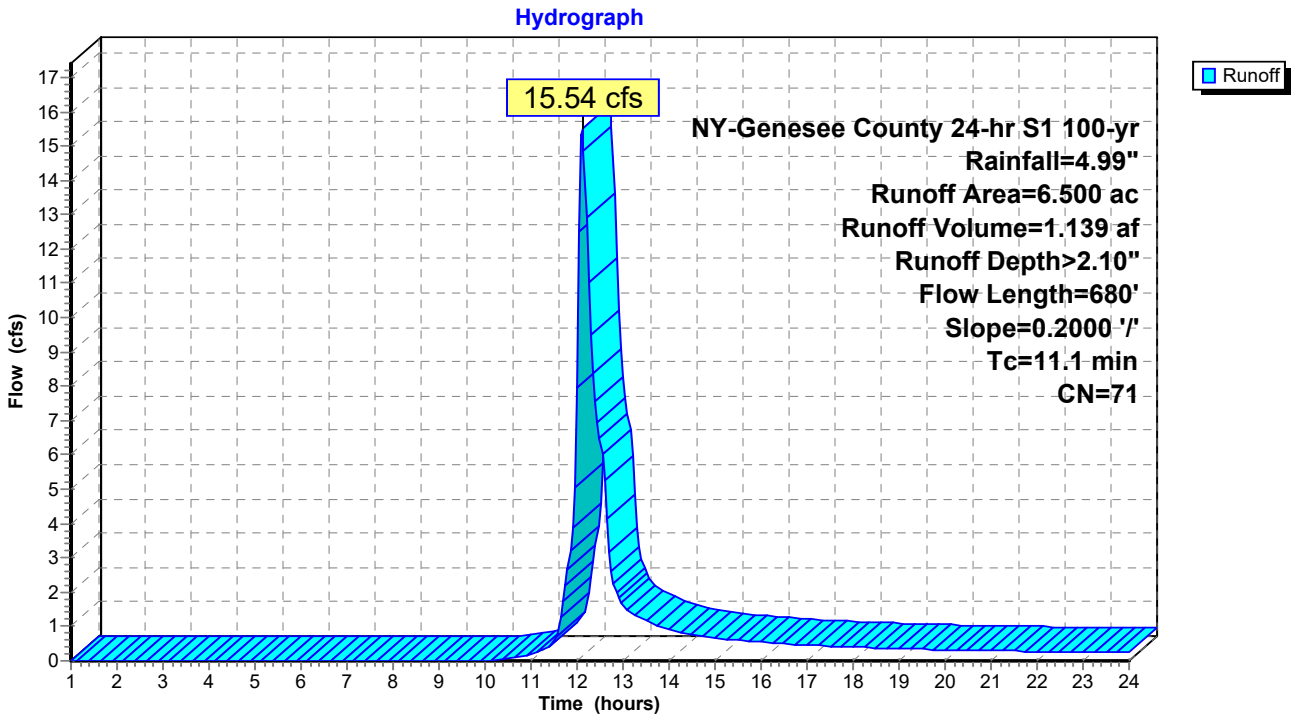
Runoff = 15.54 cfs @ 12.12 hrs, Volume= 1.139 af, Depth> 2.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	6.500	71	
	6.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
0.3	150	0.2000	7.20		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	380		5.00		**Direct Entry,**
11.1	680	Total			

Subcatchment 17S: 17



Summary for Subcatchment 18S: 18

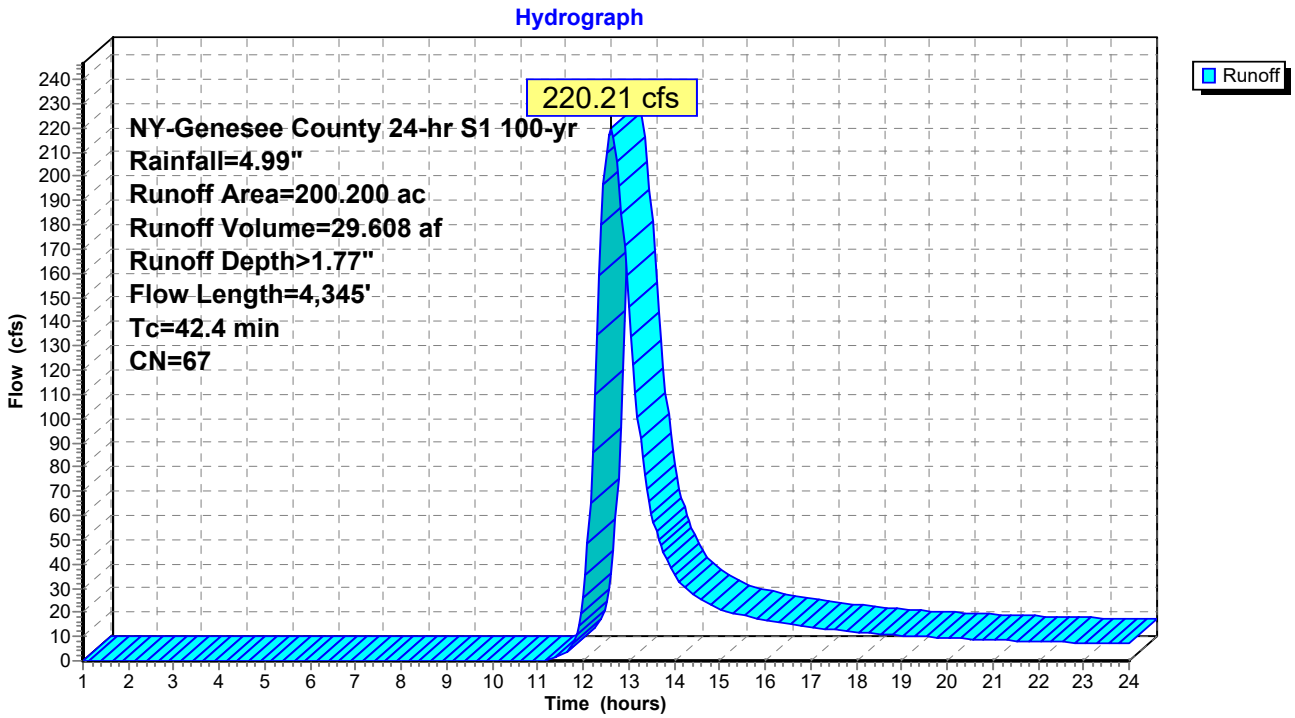
Runoff = 220.21 cfs @ 12.61 hrs, Volume= 29.608 af, Depth> 1.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	200.200	67	
	200.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.5	150	0.0330	0.13		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
16.3	2,225	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.6	1,970		5.00		**Direct Entry,**
42.4	4,345	Total			

Subcatchment 18S: 18



Summary for Subcatchment 19S: 19

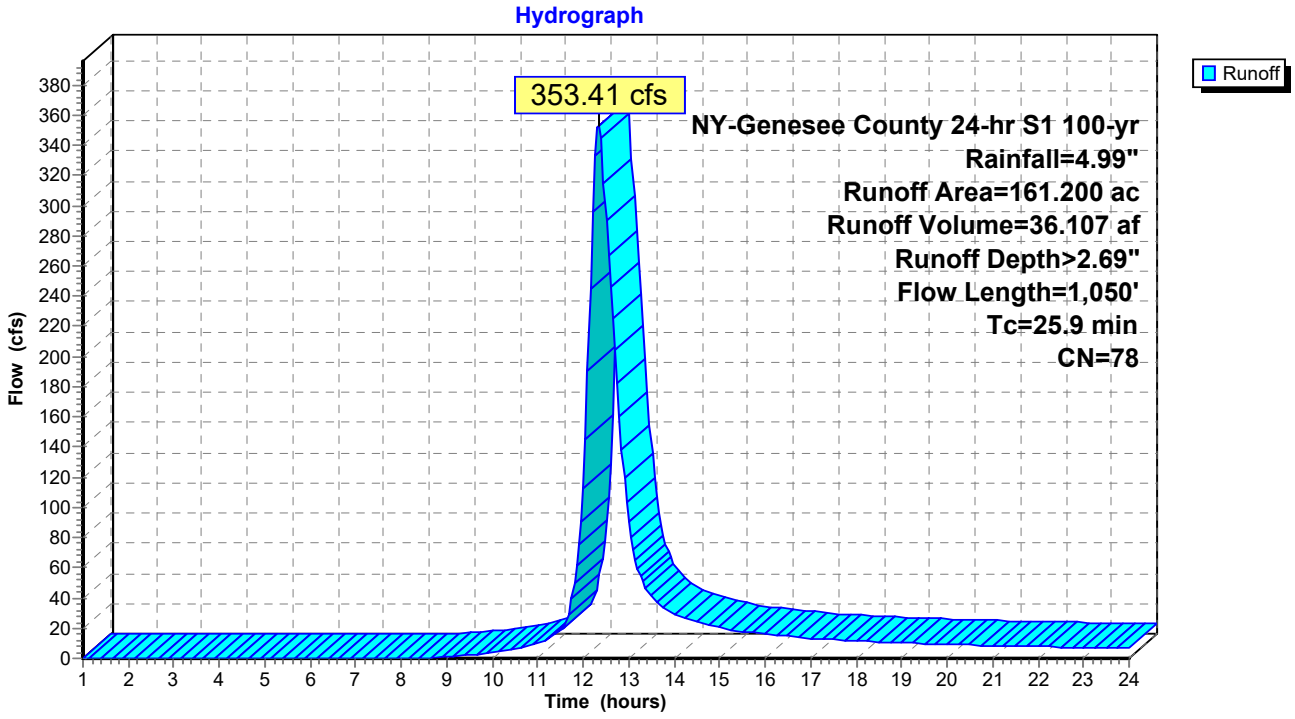
Runoff = 353.41 cfs @ 12.33 hrs, Volume= 36.107 af, Depth> 2.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	161.200	78	
	161.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.9	30	0.1500	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
3.1	900	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
25.9	1,050	Total			

Subcatchment 19S: 19



Summary for Subcatchment 20S: 20

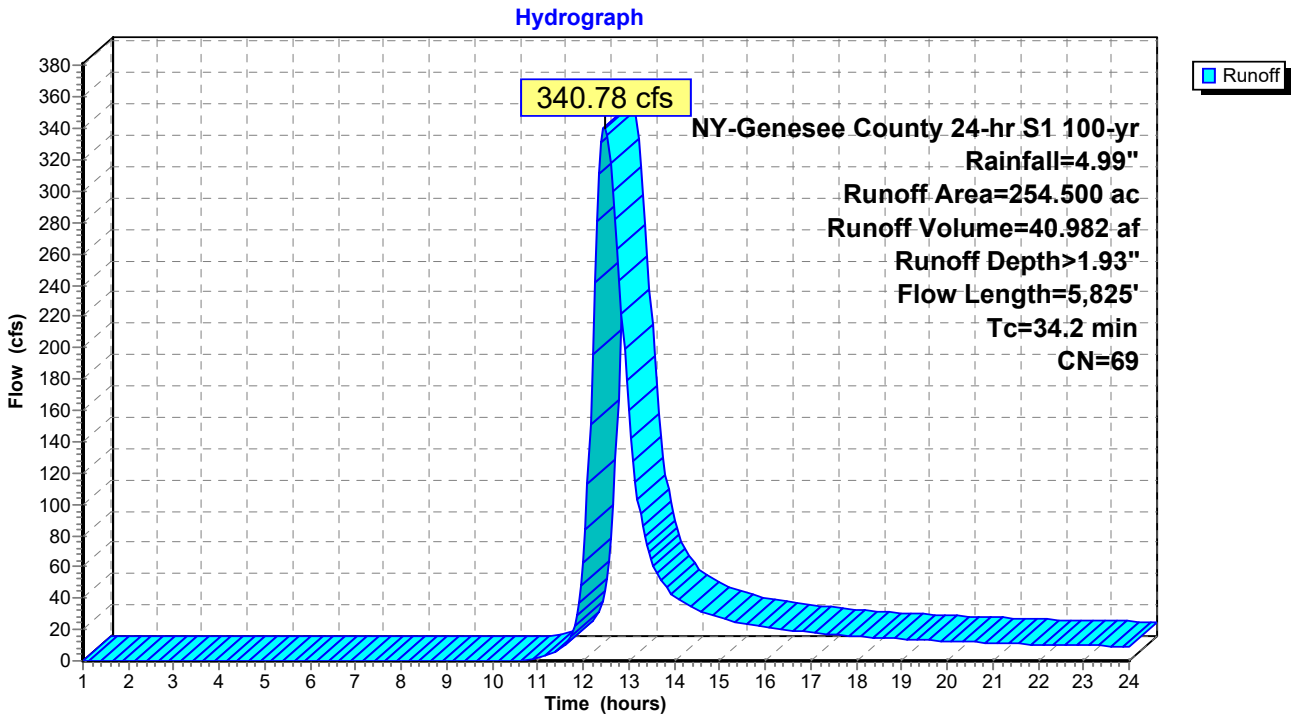
Runoff = 340.78 cfs @ 12.47 hrs, Volume= 40.982 af, Depth> 1.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	254.500	69	
	254.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	150	0.1000	0.20		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.8	1,500	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
13.9	4,175		5.00		**Direct Entry,**
34.2	5,825	Total			

Subcatchment 20S: 20



Summary for Subcatchment 21S: 21

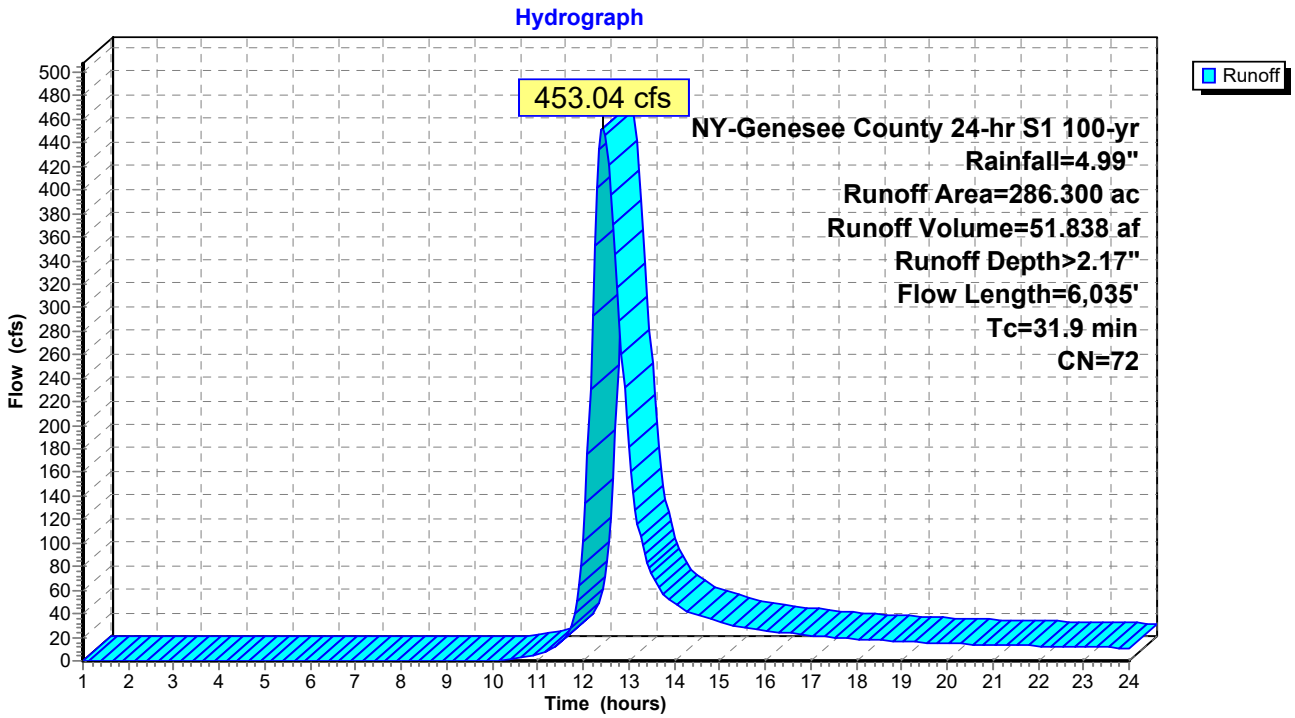
Runoff = 453.04 cfs @ 12.43 hrs, Volume= 51.838 af, Depth> 2.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	286.300	72	
	286.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.5	2,260	0.0750	4.41		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
12.1	3,625		5.00		**Direct Entry,**
31.9	6,035	Total			

Subcatchment 21S: 21



Summary for Subcatchment 22S: 22

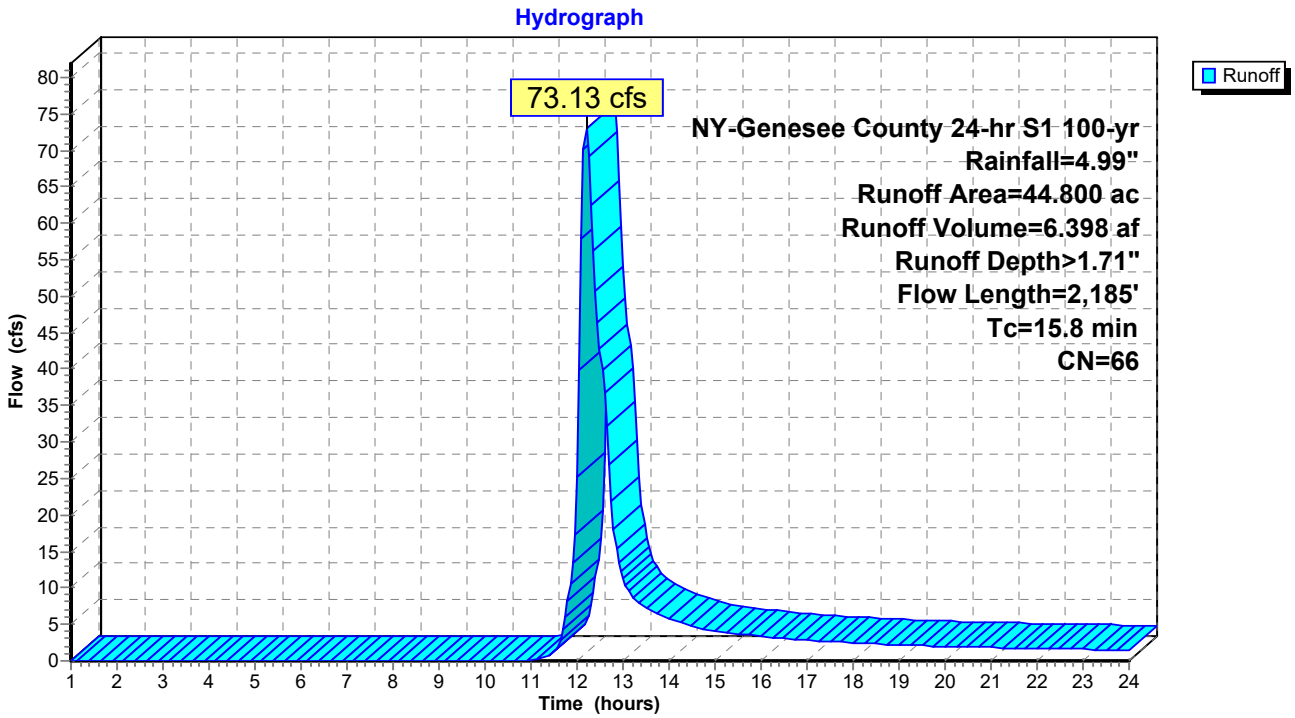
Runoff = 73.13 cfs @ 12.20 hrs, Volume= 6.398 af, Depth> 1.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	44.800	66	
	44.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.0	460	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
5.2	1,575		5.00		**Direct Entry,**
15.8	2,185	Total			

Subcatchment 22S: 22



Summary for Subcatchment 23S: 23

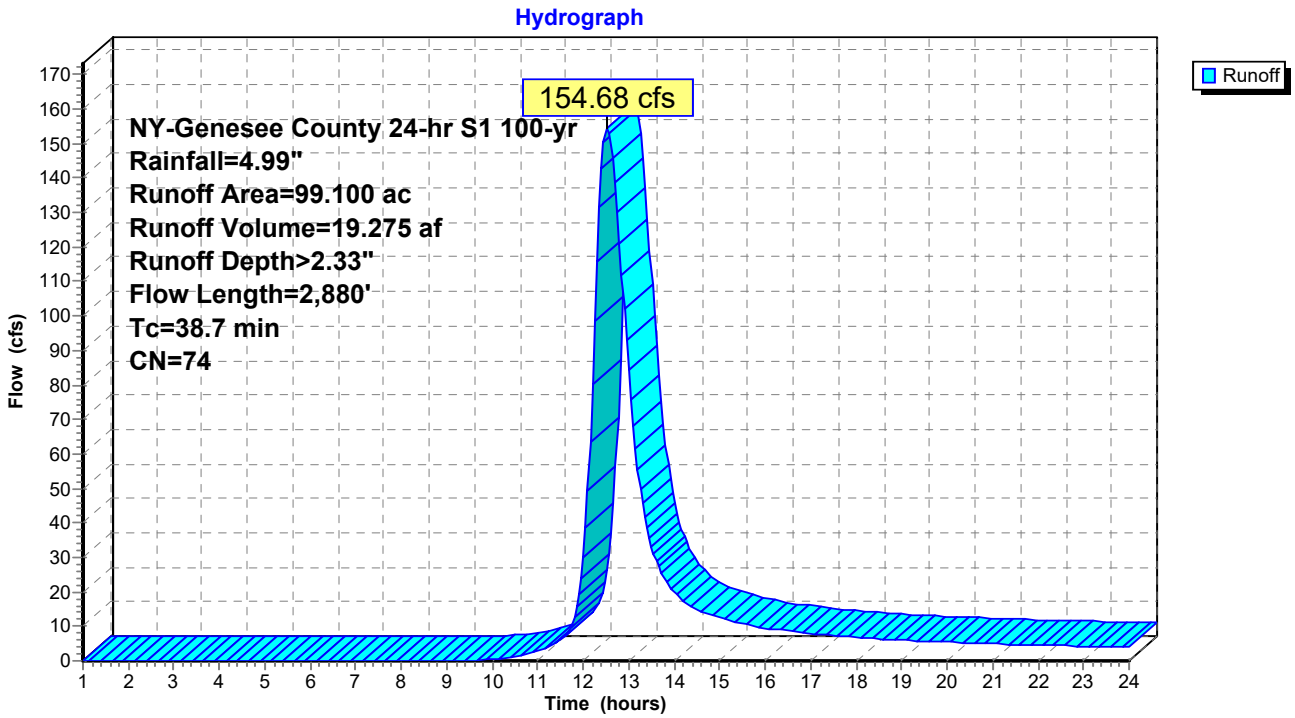
Runoff = 154.68 cfs @ 12.53 hrs, Volume= 19.275 af, Depth> 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	99.100	74	
	99.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
11.8	1,800	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
3.1	930		5.00		**Direct Entry,**
38.7	2,880	Total			

Subcatchment 23S: 23



Summary for Subcatchment 24S: 24

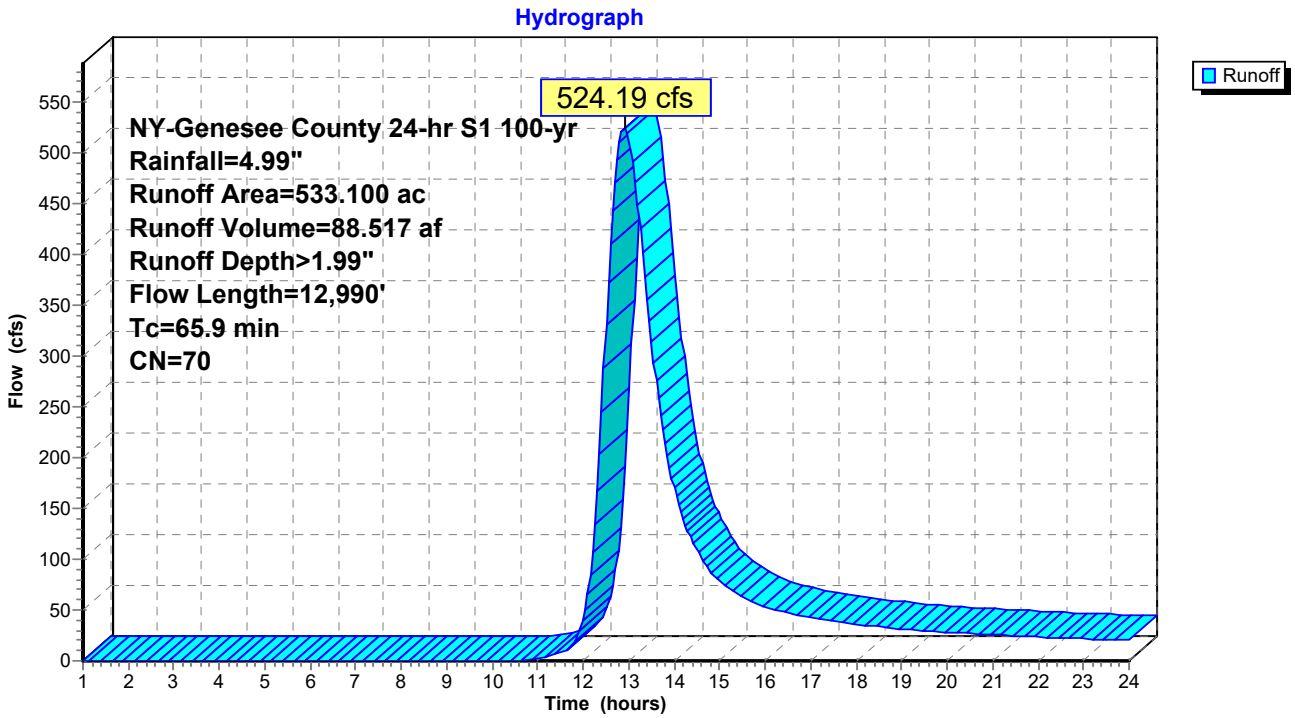
Runoff = 524.19 cfs @ 12.92 hrs, Volume= 88.517 af, Depth> 1.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	533.100	70	
	533.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.7	150	0.0670	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
12.4	1,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
38.8	11,640		5.00		**Direct Entry,**
65.9	12,990	Total			

Subcatchment 24S: 24



Summary for Subcatchment 25S: 25

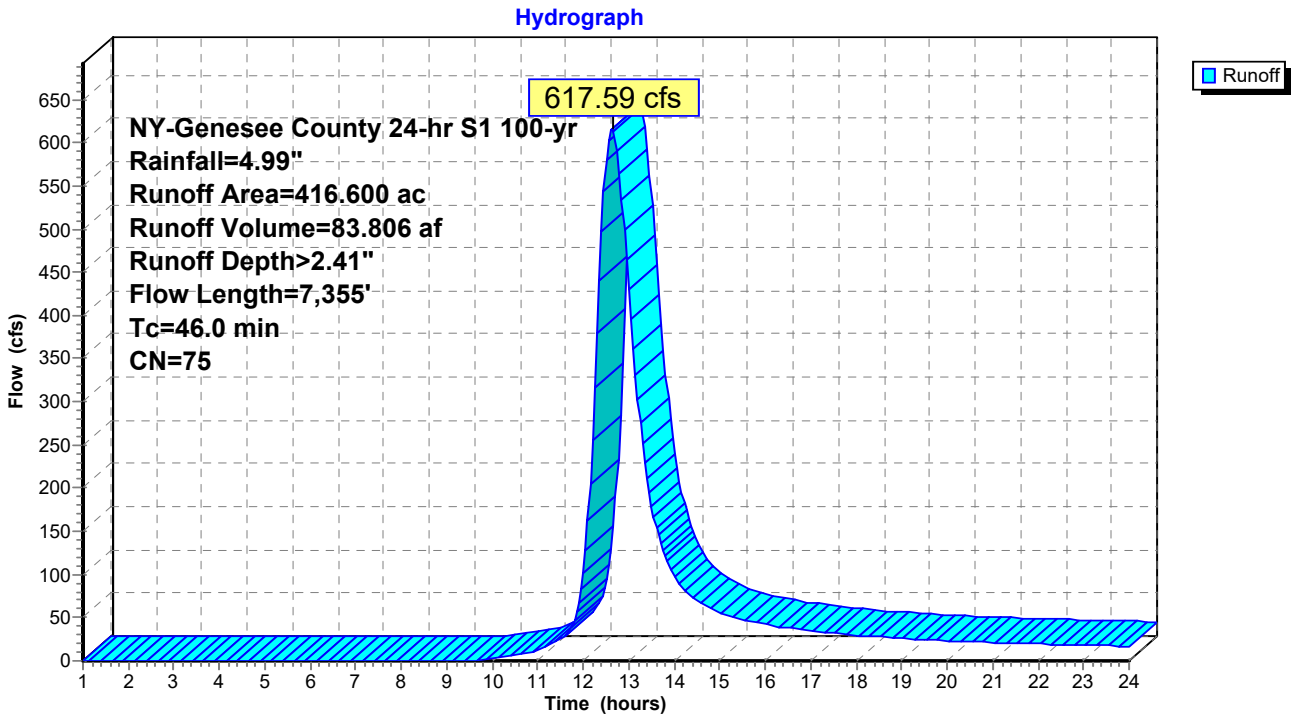
Runoff = 617.59 cfs @ 12.63 hrs, Volume= 83.806 af, Depth> 2.41"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	416.600	75	
	416.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.0	150	0.0400	0.14		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.1	1,230	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
19.9	5,975		5.00		**Direct Entry,**
46.0	7,355	Total			

Subcatchment 25S: 25



Summary for Subcatchment 26S: 26

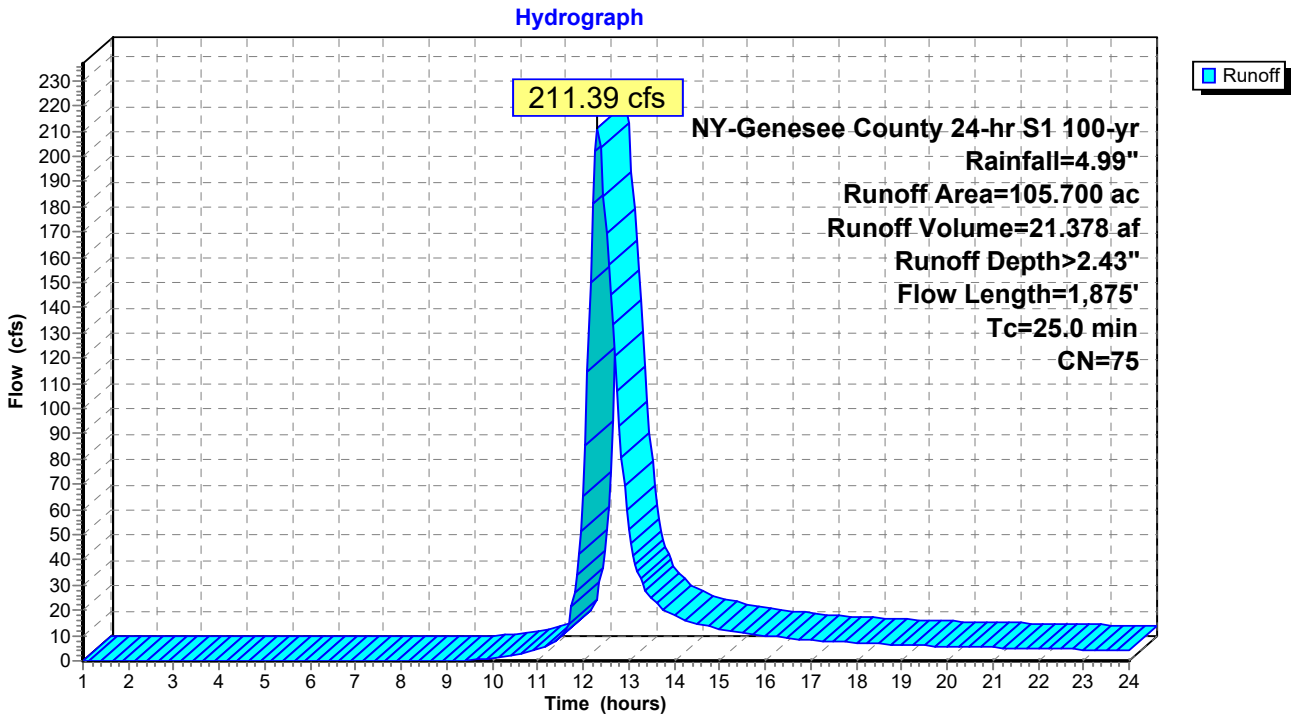
Runoff = 211.39 cfs @ 12.32 hrs, Volume= 21.378 af, Depth> 2.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	105.700	75	
	105.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.3	150	0.0600	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.2	980	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
2.5	745		5.00		**Direct Entry,**
25.0	1,875	Total			

Subcatchment 26S: 26



Summary for Subcatchment 27S: 27

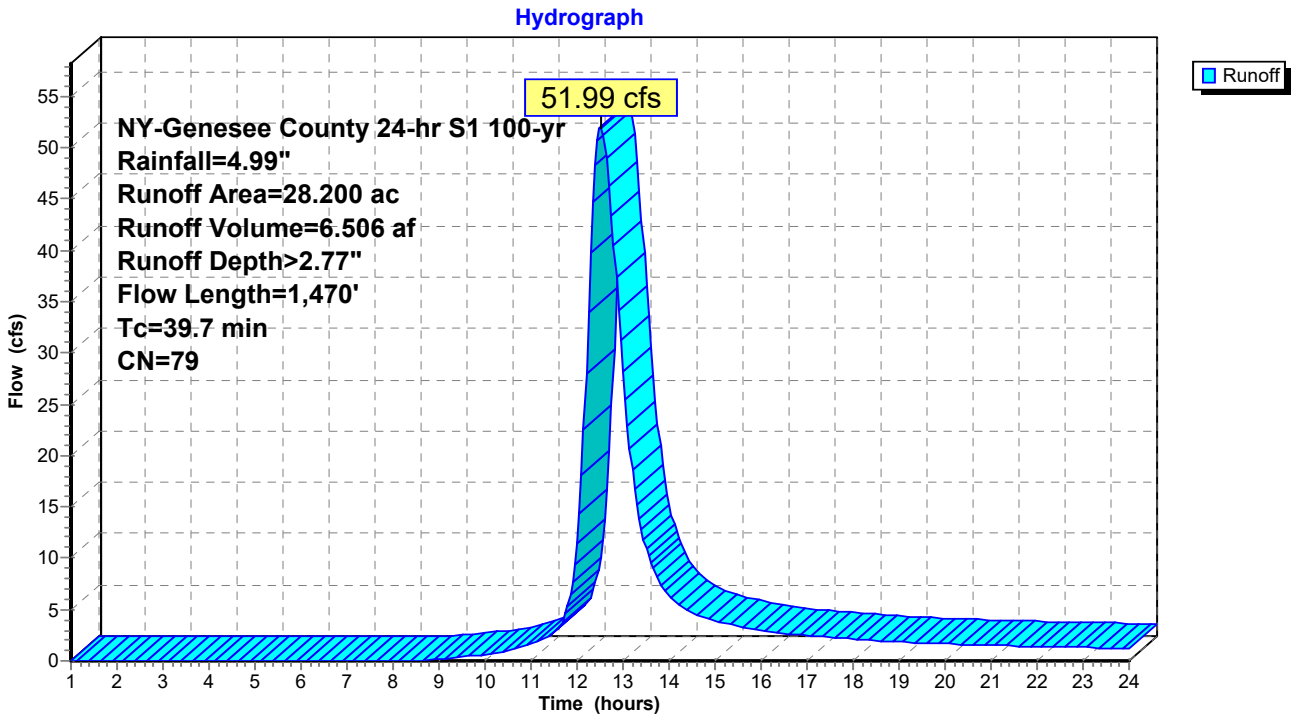
Runoff = 51.99 cfs @ 12.52 hrs, Volume= 6.506 af, Depth> 2.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	28.200	79	
	28.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	770	0.0150	1.97		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	550		5.00		**Direct Entry,**
39.7	1,470	Total			

Subcatchment 27S: 27



Summary for Subcatchment 28S: 28

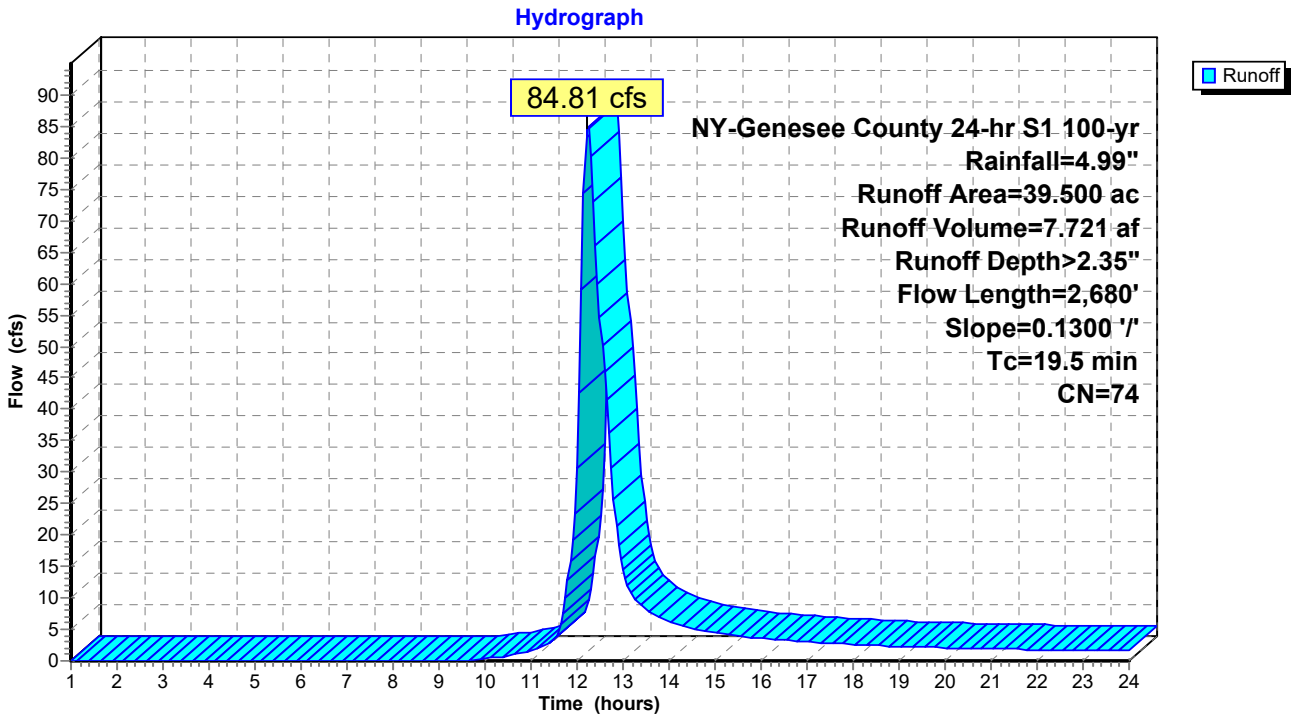
Runoff = 84.81 cfs @ 12.24 hrs, Volume= 7.721 af, Depth> 2.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	39.500	74	
	39.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.8	620	0.1300	5.80		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.4	1,910		5.00		**Direct Entry,**
19.5	2,680	Total			

Subcatchment 28S: 28



Summary for Subcatchment 29S: 29

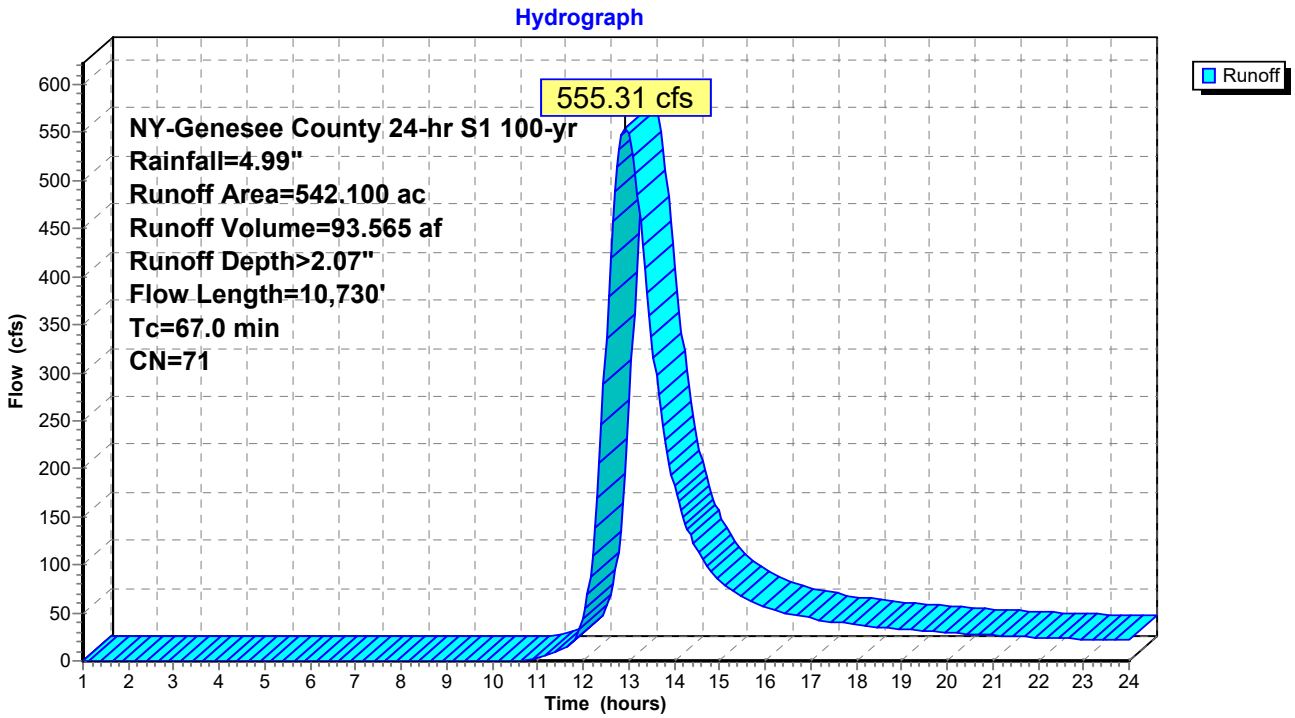
Runoff = 555.31 cfs @ 12.93 hrs, Volume= 93.565 af, Depth> 2.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	542.100	71	
	542.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	700	0.0700	4.26		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
32.9	9,880		5.00		**Direct Entry,**
67.0	10,730	Total			

Subcatchment 29S: 29



Summary for Subcatchment 30S: 30

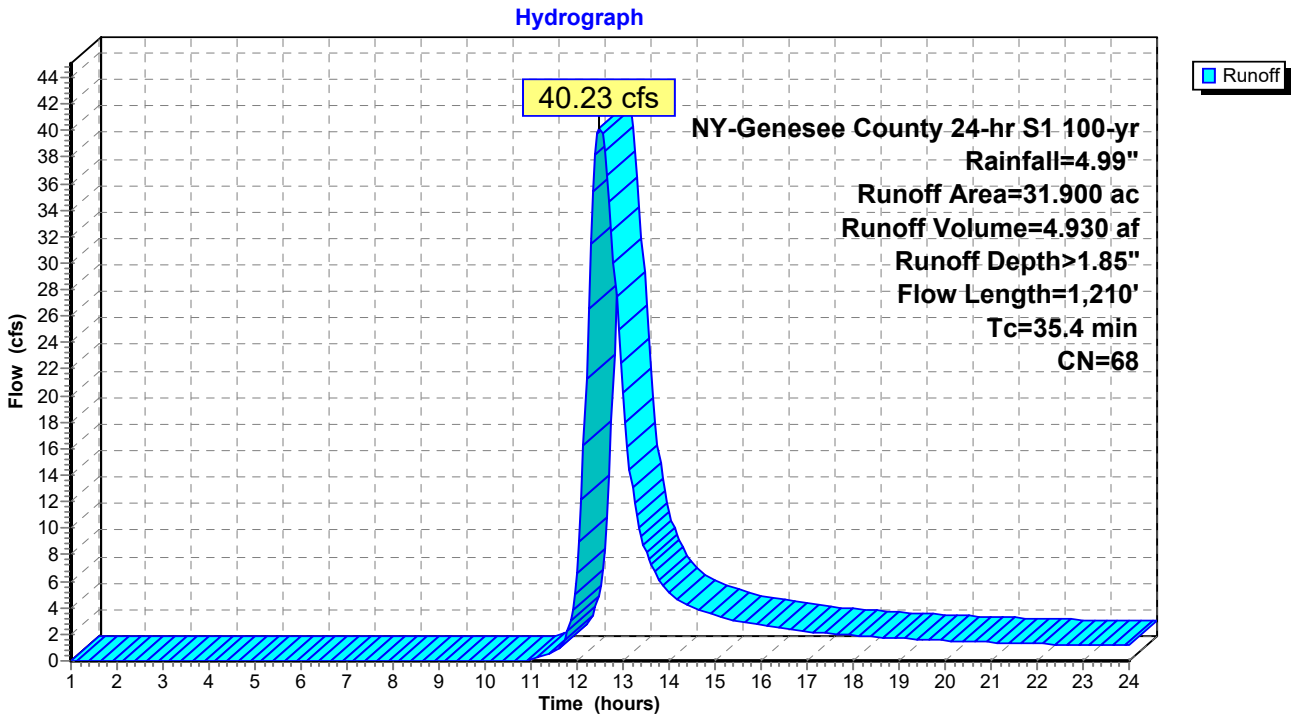
Runoff = 40.23 cfs @ 12.50 hrs, Volume= 4.930 af, Depth> 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	31.900	68	
	31.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	670	0.0670	4.17		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	390		5.00		**Direct Entry,**
35.4	1,210	Total			

Subcatchment 30S: 30

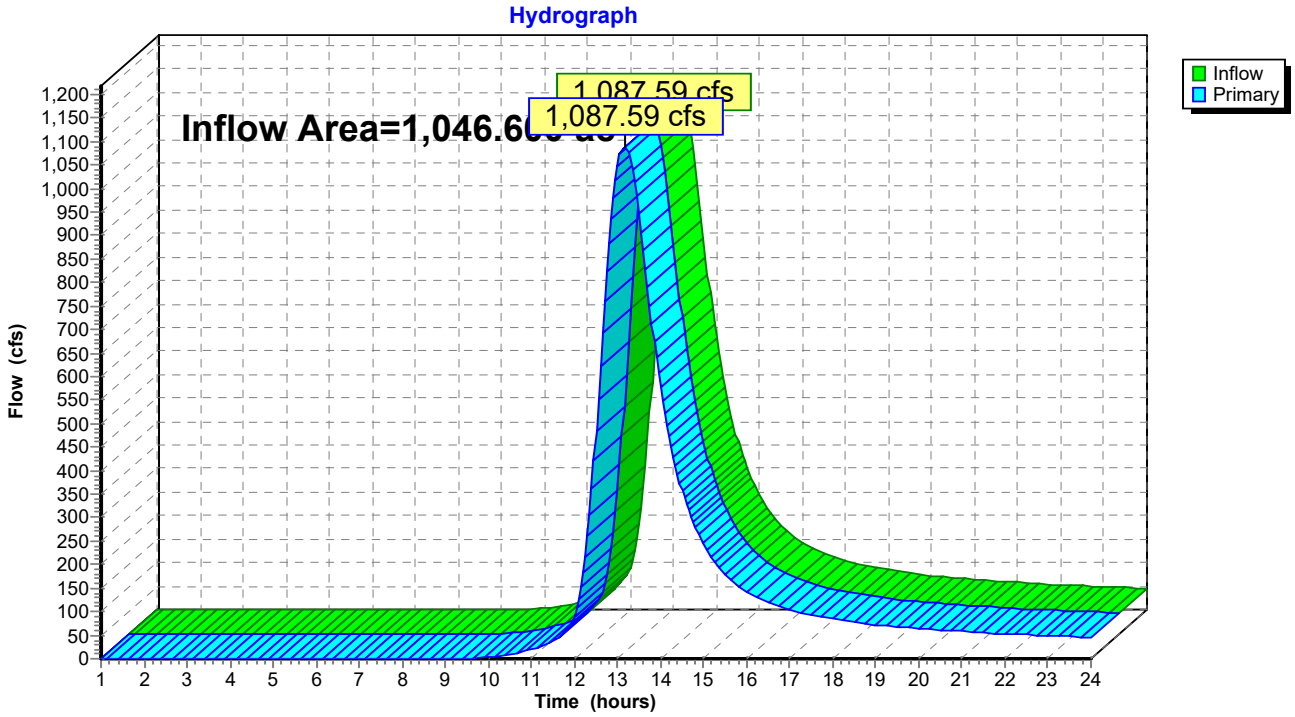


Summary for Link 1L: A

Inflow Area = 1,046.600 ac, 0.00% Impervious, Inflow Depth > 2.47" for 100-yr event
Inflow = 1,087.59 cfs @ 13.16 hrs, Volume= 215.664 af
Primary = 1,087.59 cfs @ 13.16 hrs, Volume= 215.664 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 1L: A

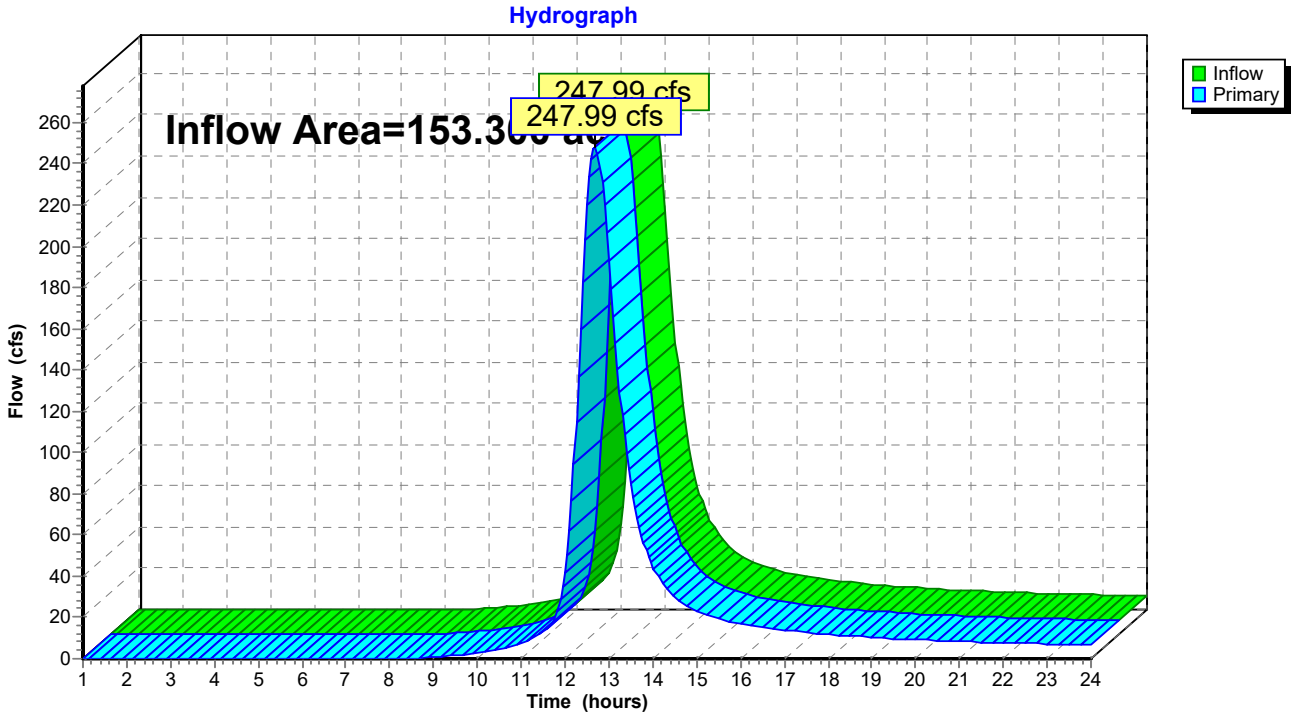


Summary for Link 2L: B

Inflow Area = 153.300 ac, 0.00% Impervious, Inflow Depth > 2.76" for 100-yr event
Inflow = 247.99 cfs @ 12.69 hrs, Volume= 35.269 af
Primary = 247.99 cfs @ 12.69 hrs, Volume= 35.269 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 2L: B

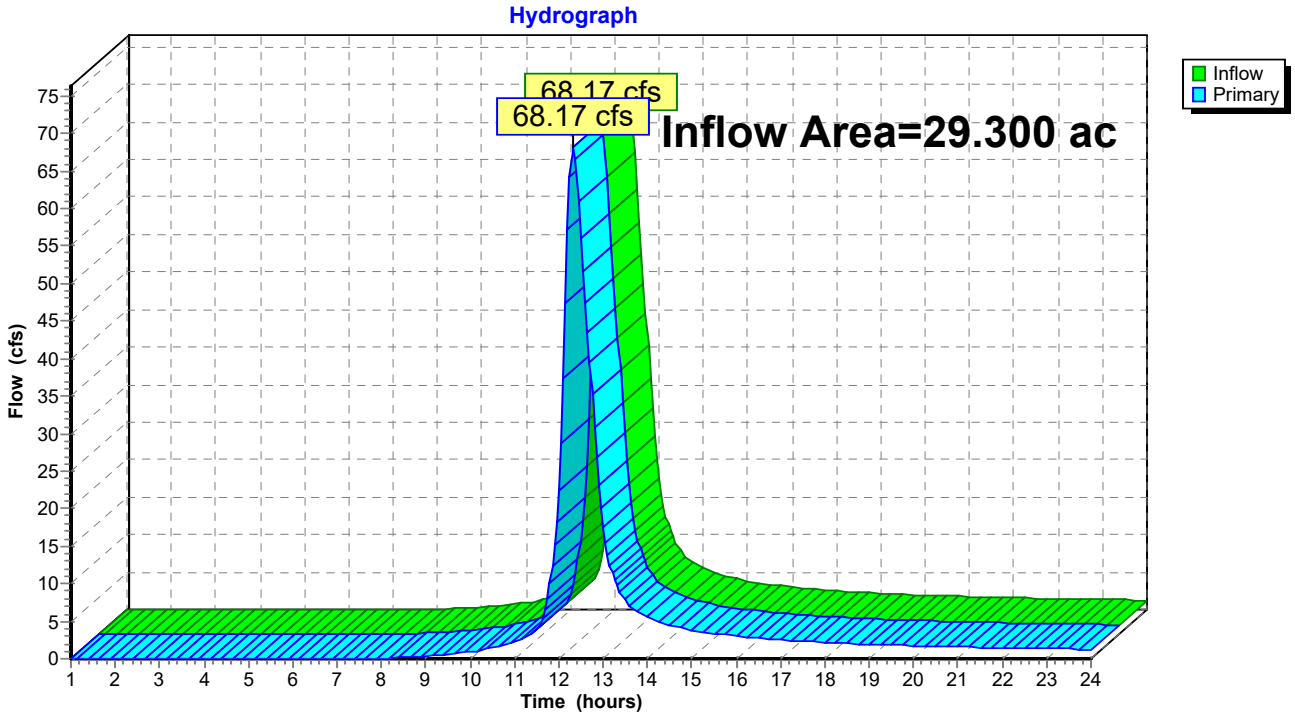


Summary for Link 3L: C

Inflow Area = 29.300 ac, 0.00% Impervious, Inflow Depth > 2.87" for 100-yr event
Inflow = 68.17 cfs @ 12.33 hrs, Volume= 7.003 af
Primary = 68.17 cfs @ 12.33 hrs, Volume= 7.003 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 3L: C

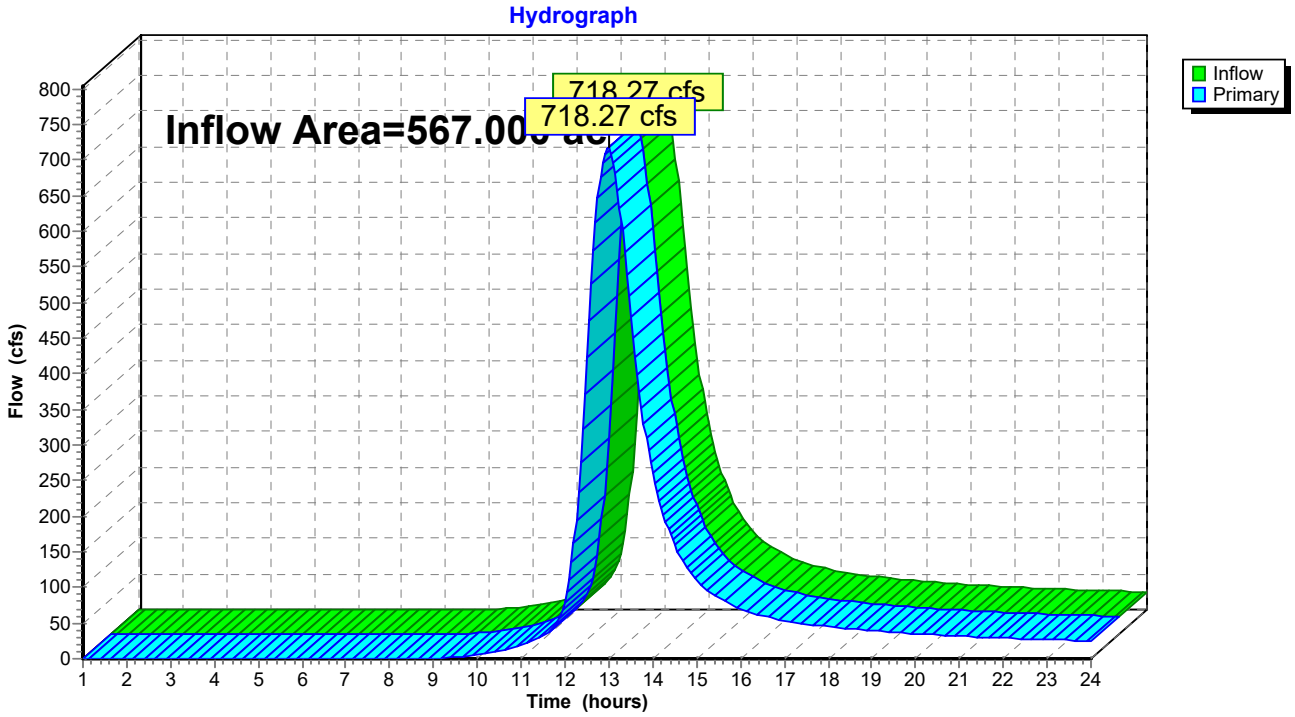


Summary for Link 4L: D

Inflow Area = 567.000 ac, 0.00% Impervious, Inflow Depth > 2.66" for 100-yr event
Inflow = 718.27 cfs @ 12.98 hrs, Volume= 125.540 af
Primary = 718.27 cfs @ 12.98 hrs, Volume= 125.540 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 4L: D

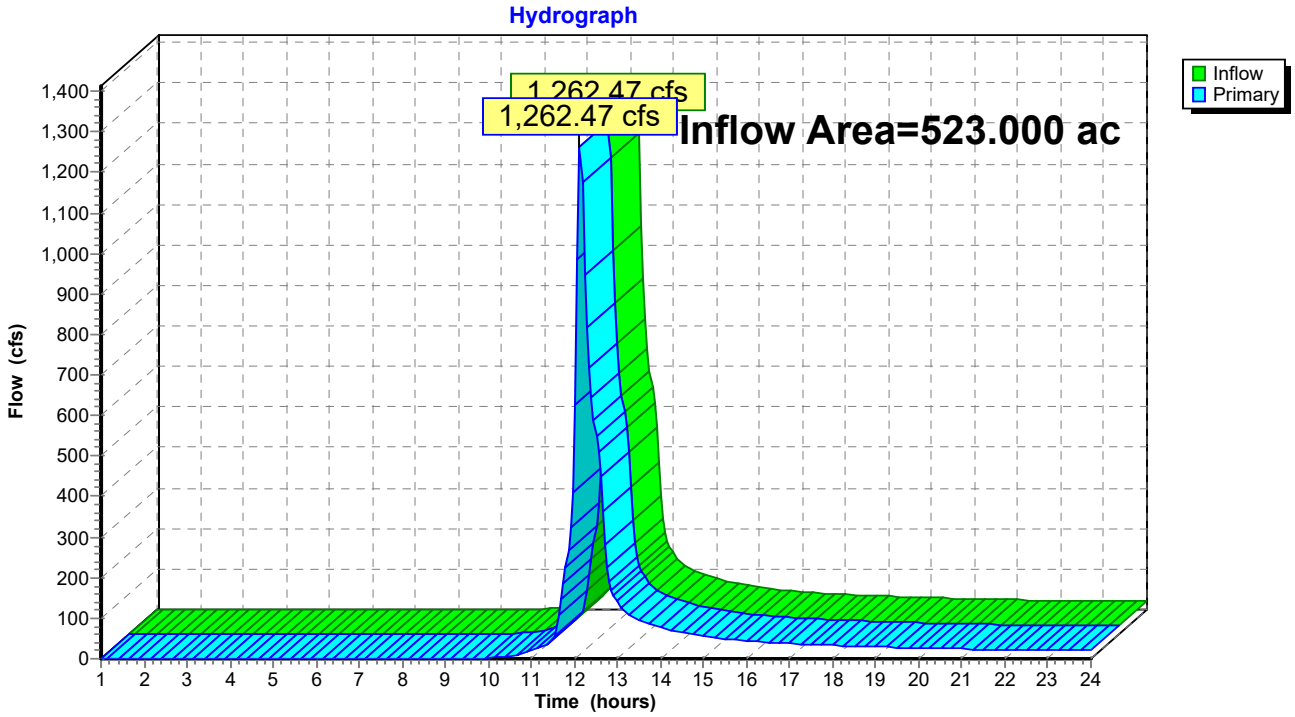


Summary for Link 5L: E

Inflow Area = 523.000 ac, 0.00% Impervious, Inflow Depth > 2.18" for 100-yr event
Inflow = 1,262.47 cfs @ 12.13 hrs, Volume= 95.202 af
Primary = 1,262.47 cfs @ 12.13 hrs, Volume= 95.202 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 5L: E

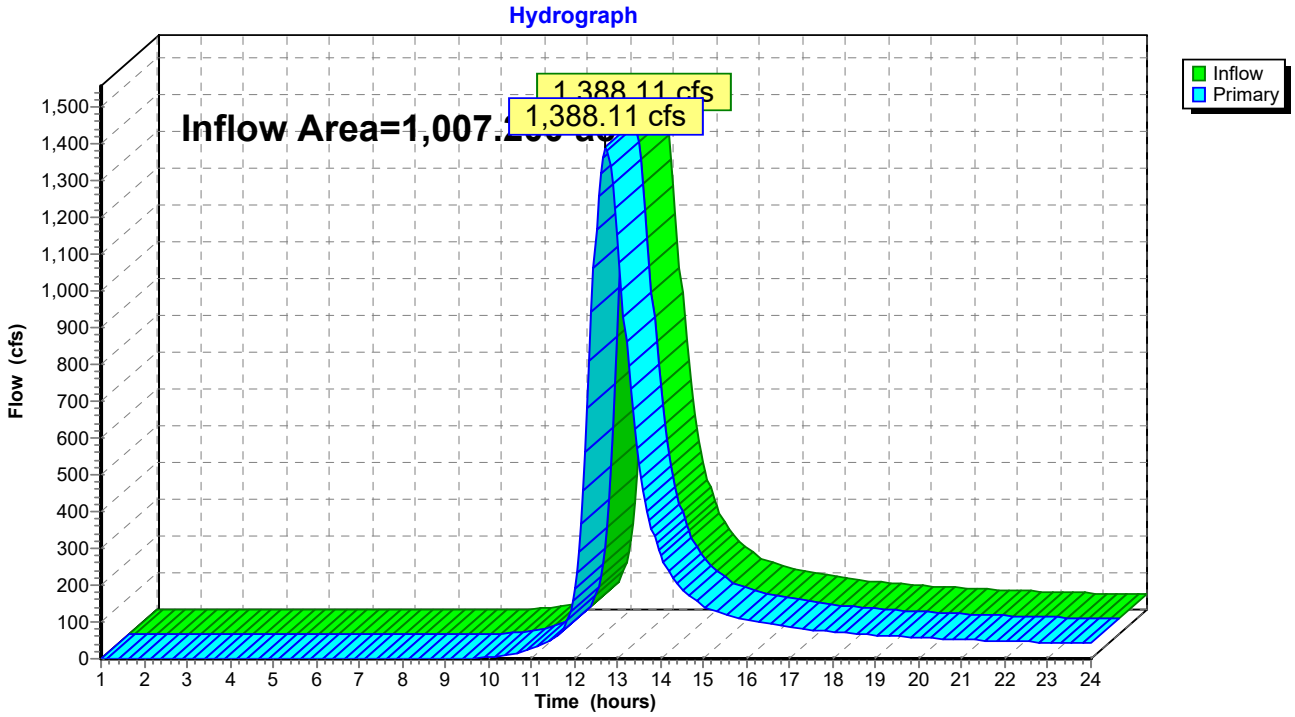


Summary for Link 6L: F

Inflow Area = 1,007.200 ac, 0.00% Impervious, Inflow Depth > 2.41" for 100-yr event
Inflow = 1,388.11 cfs @ 12.72 hrs, Volume= 202.239 af
Primary = 1,388.11 cfs @ 12.72 hrs, Volume= 202.239 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 6L: F

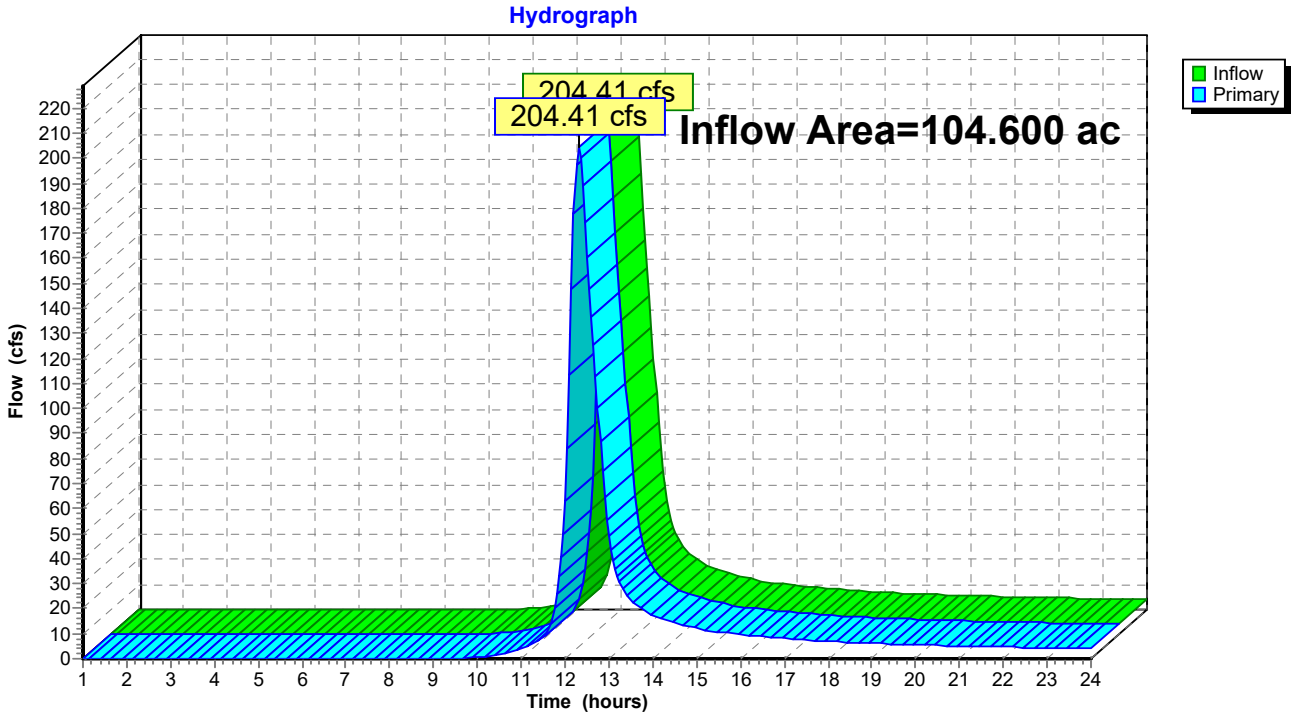


Summary for Link 7L: G

Inflow Area = 104.600 ac, 0.00% Impervious, Inflow Depth > 2.34" for 100-yr event
Inflow = 204.41 cfs @ 12.31 hrs, Volume= 20.422 af
Primary = 204.41 cfs @ 12.31 hrs, Volume= 20.422 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 7L: G

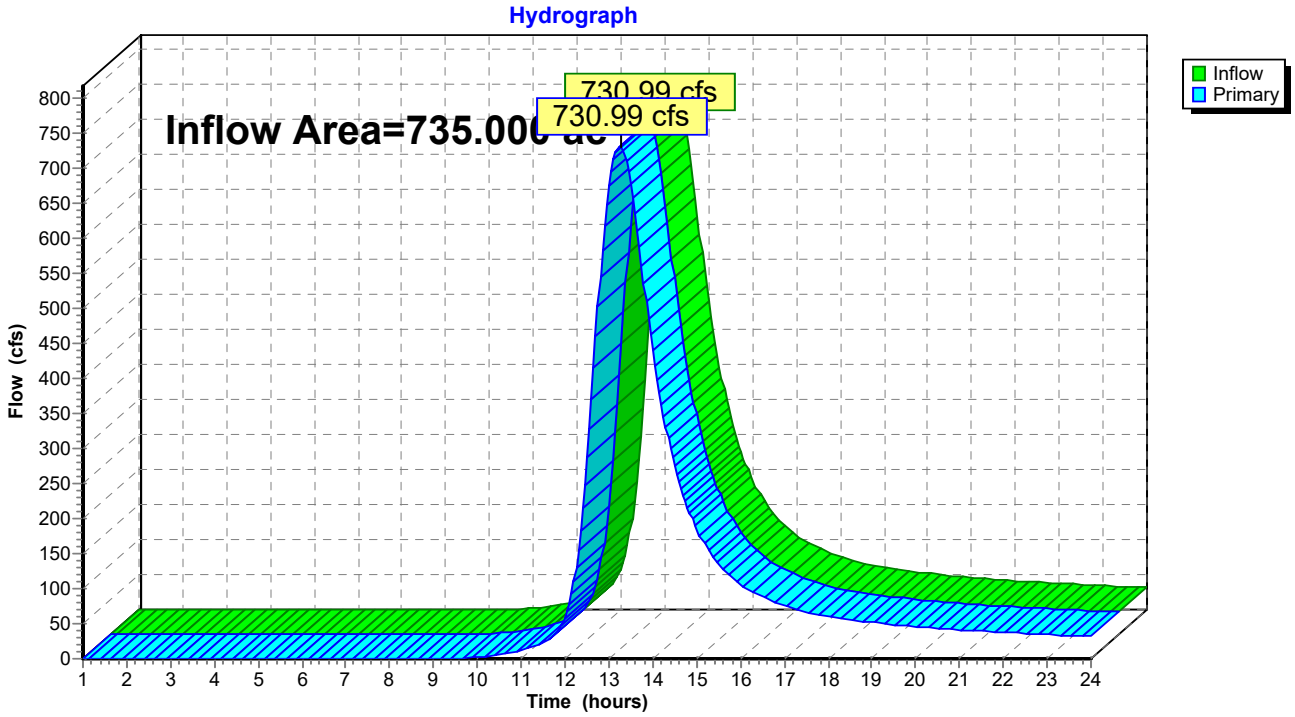


Summary for Link 8L: H

Inflow Area = 735.000 ac, 0.00% Impervious, Inflow Depth > 2.47" for 100-yr event
Inflow = 730.99 cfs @ 13.26 hrs, Volume= 151.214 af
Primary = 730.99 cfs @ 13.26 hrs, Volume= 151.214 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 8L: H

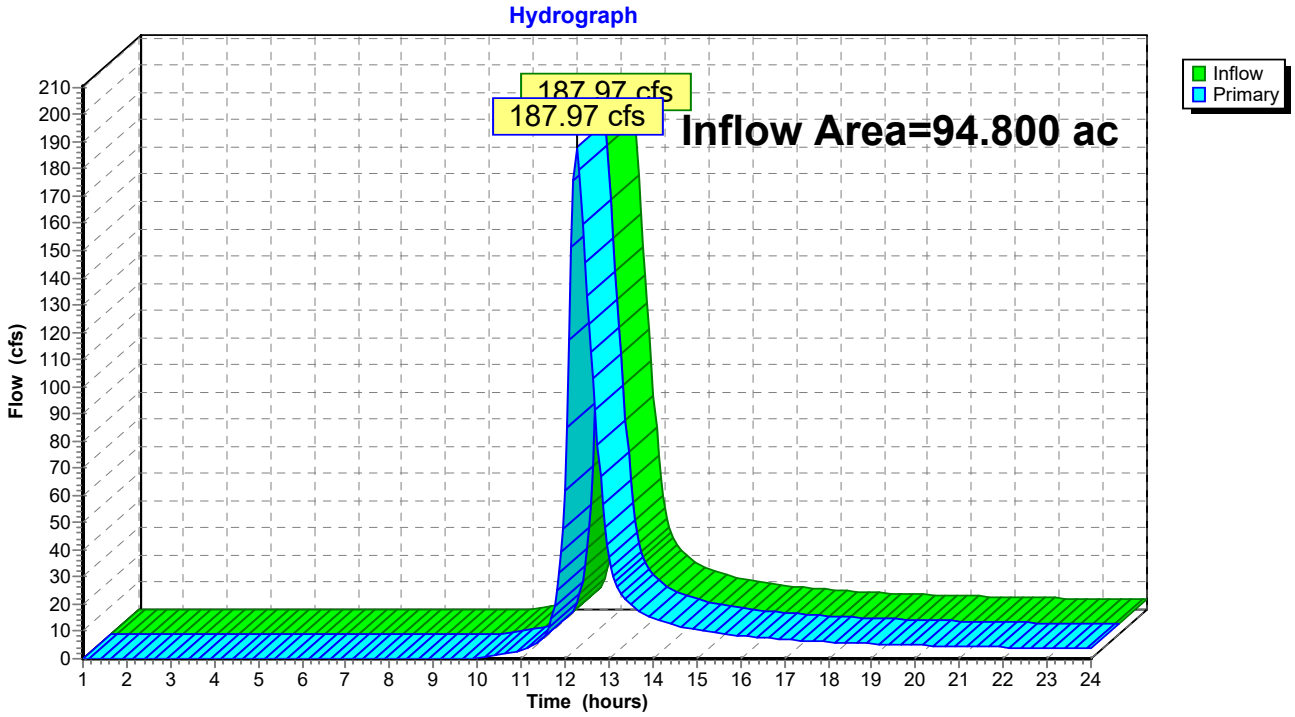


Summary for Link 9L: I

Inflow Area = 94.800 ac, 0.00% Impervious, Inflow Depth > 2.26" for 100-yr event
Inflow = 187.97 cfs @ 12.27 hrs, Volume= 17.863 af
Primary = 187.97 cfs @ 12.27 hrs, Volume= 17.863 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 9L: I

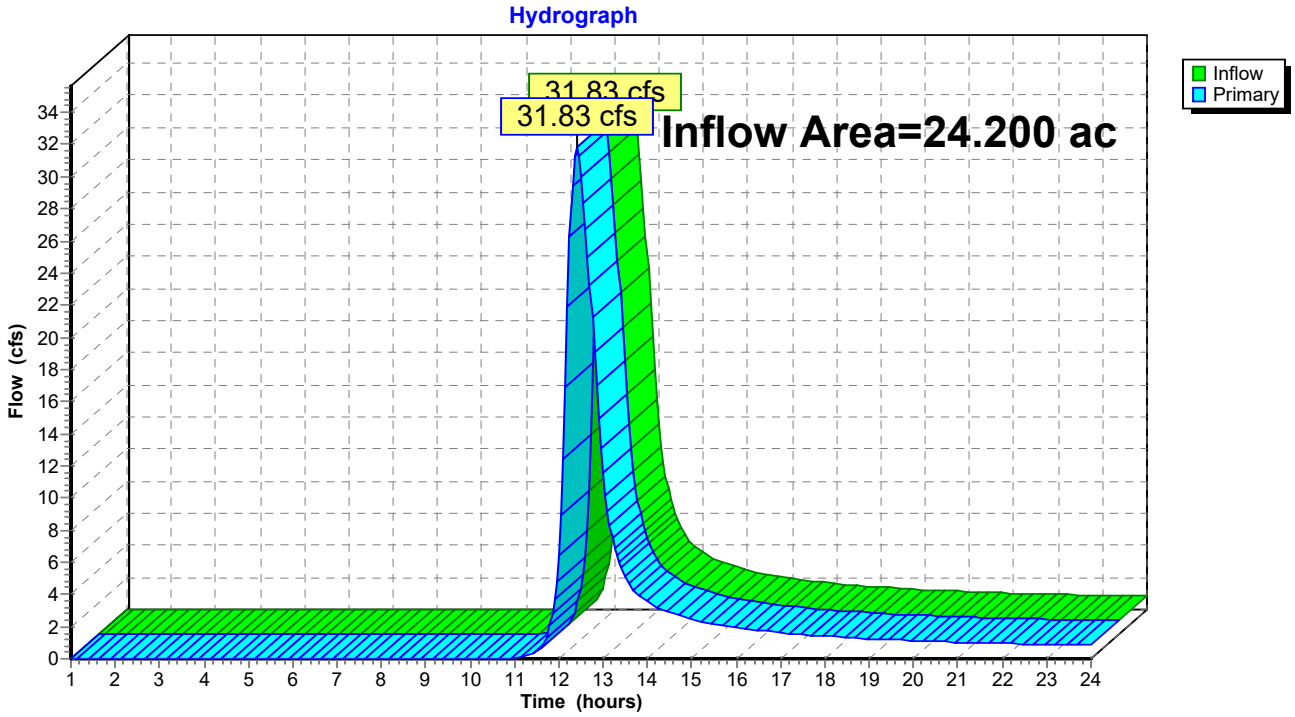


Summary for Link 10L: J

Inflow Area = 24.200 ac, 0.00% Impervious, Inflow Depth > 1.78" for 100-yr event
Inflow = 31.83 cfs @ 12.40 hrs, Volume= 3.593 af
Primary = 31.83 cfs @ 12.40 hrs, Volume= 3.593 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 10L: J

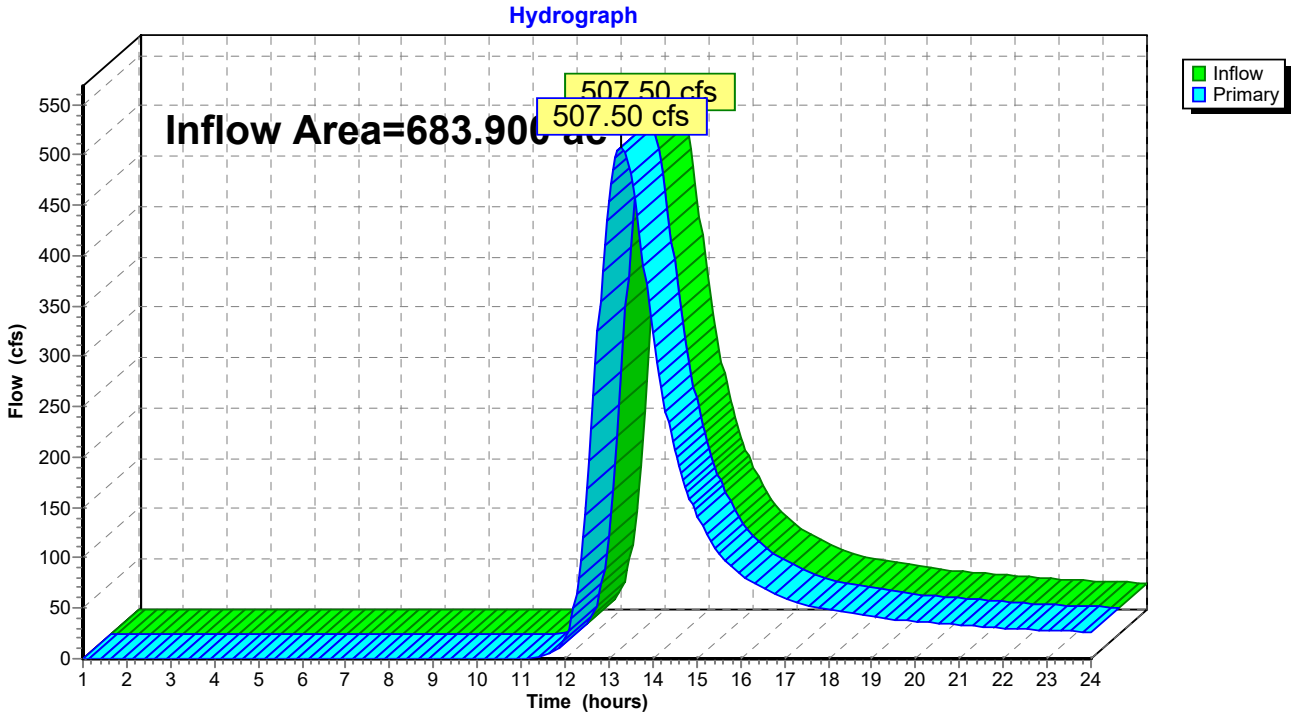


Summary for Link 11L: K

Inflow Area = 683.900 ac, 0.00% Impervious, Inflow Depth > 1.90" for 100-yr event
Inflow = 507.50 cfs @ 13.28 hrs, Volume= 108.184 af
Primary = 507.50 cfs @ 13.28 hrs, Volume= 108.184 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 11L: K

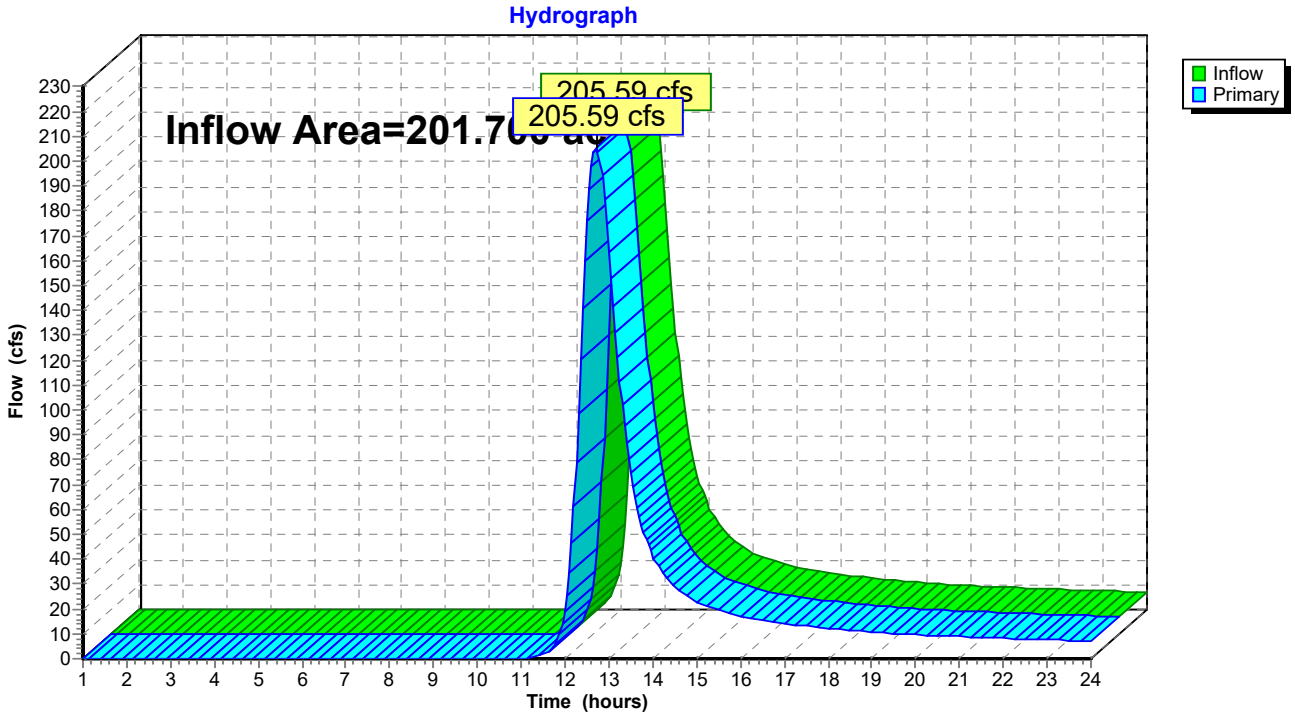


Summary for Link 12L: L

Inflow Area = 201.700 ac, 0.00% Impervious, Inflow Depth > 1.77" for 100-yr event
Inflow = 205.59 cfs @ 12.71 hrs, Volume= 29.768 af
Primary = 205.59 cfs @ 12.71 hrs, Volume= 29.768 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 12L: L

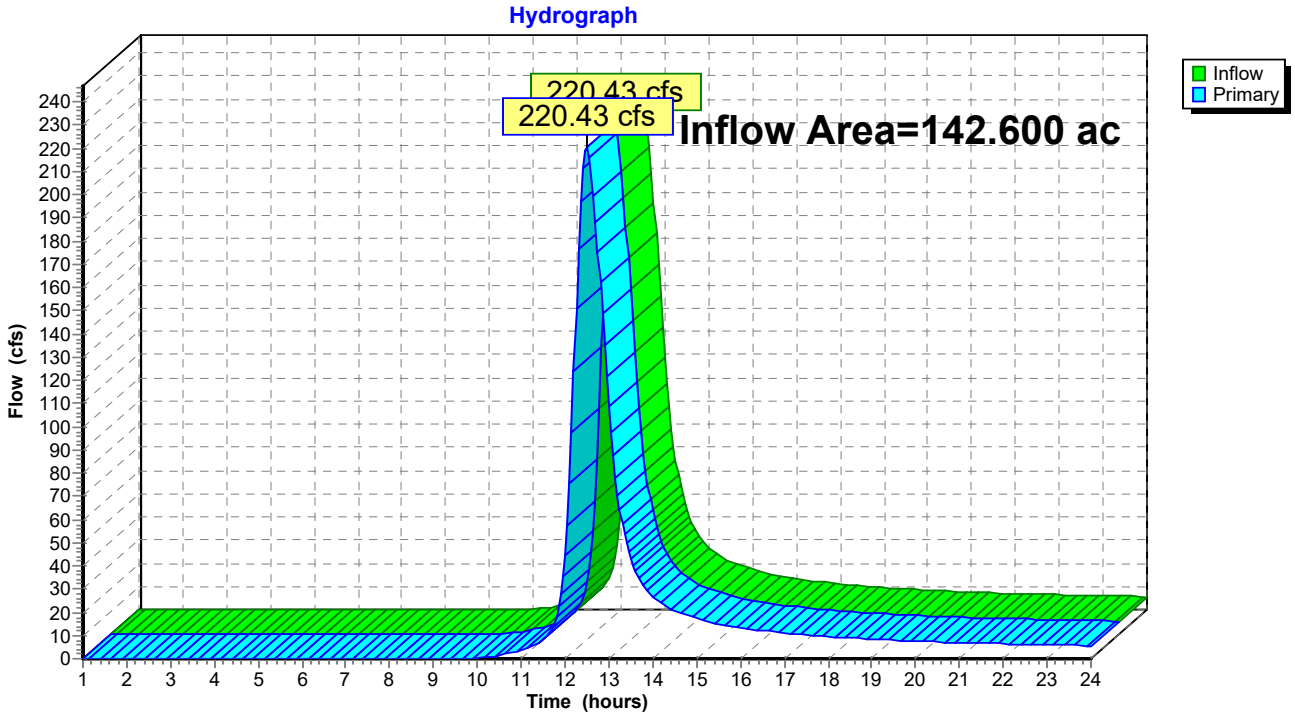


Summary for Link 13L: M

Inflow Area = 142.600 ac, 0.00% Impervious, Inflow Depth > 2.25" for 100-yr event
Inflow = 220.43 cfs @ 12.49 hrs, Volume= 26.764 af
Primary = 220.43 cfs @ 12.49 hrs, Volume= 26.764 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 13L: M

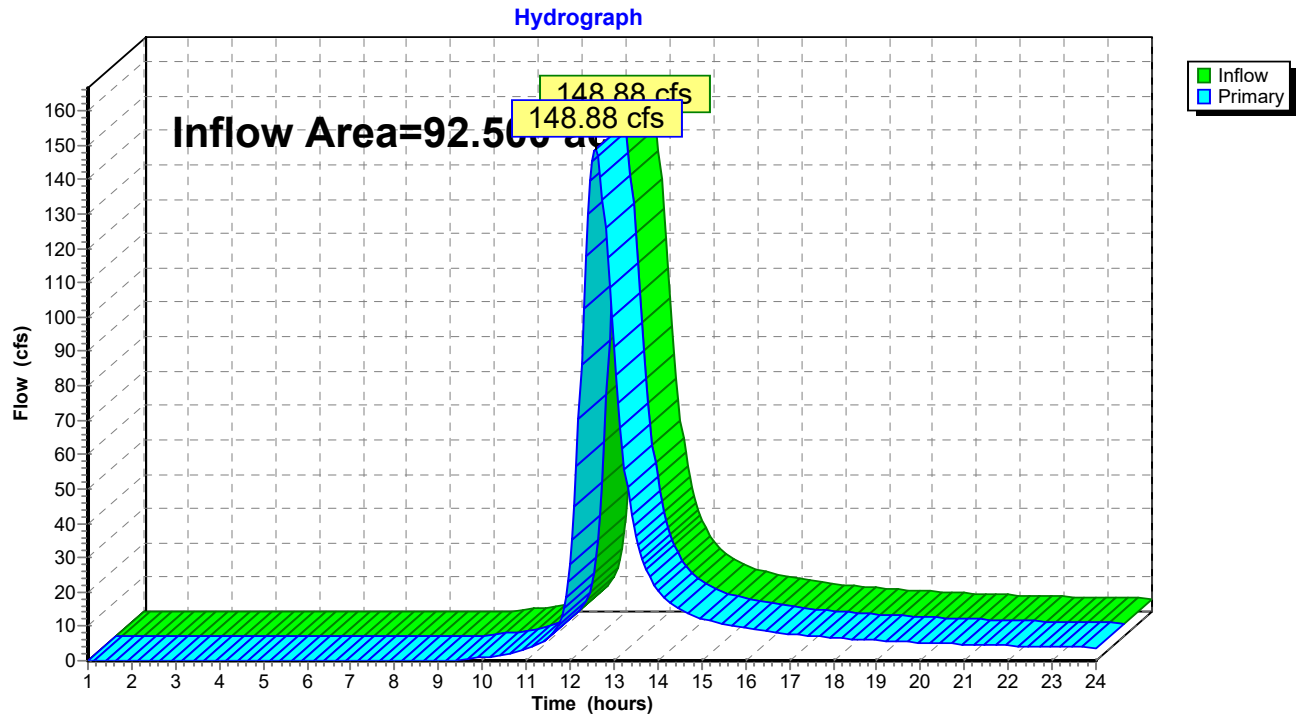


Summary for Link 14L: N

Inflow Area = 92.500 ac, 0.00% Impervious, Inflow Depth > 2.50" for 100-yr event
Inflow = 148.88 cfs @ 12.57 hrs, Volume= 19.287 af
Primary = 148.88 cfs @ 12.57 hrs, Volume= 19.287 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 14L: N

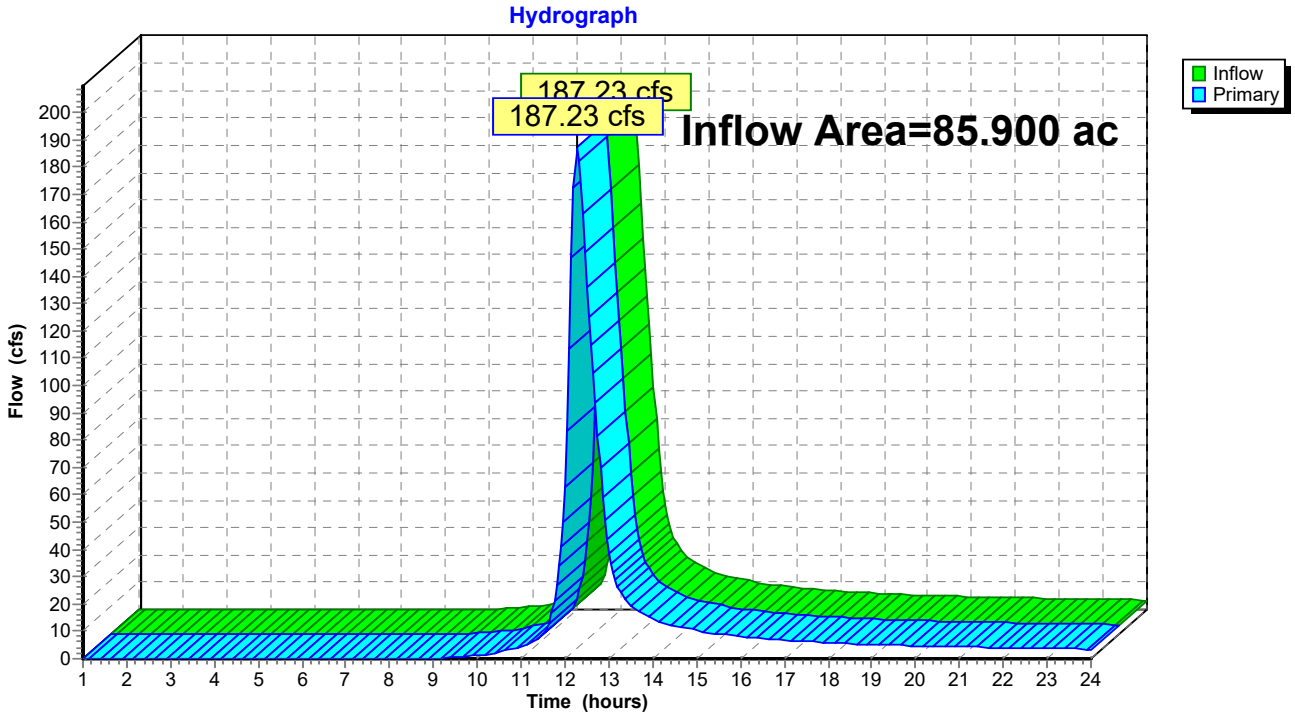


Summary for Link 15L: O

Inflow Area = 85.900 ac, 0.00% Impervious, Inflow Depth > 2.51" for 100-yr event
Inflow = 187.23 cfs @ 12.28 hrs, Volume= 17.999 af
Primary = 187.23 cfs @ 12.28 hrs, Volume= 17.999 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 15L: O

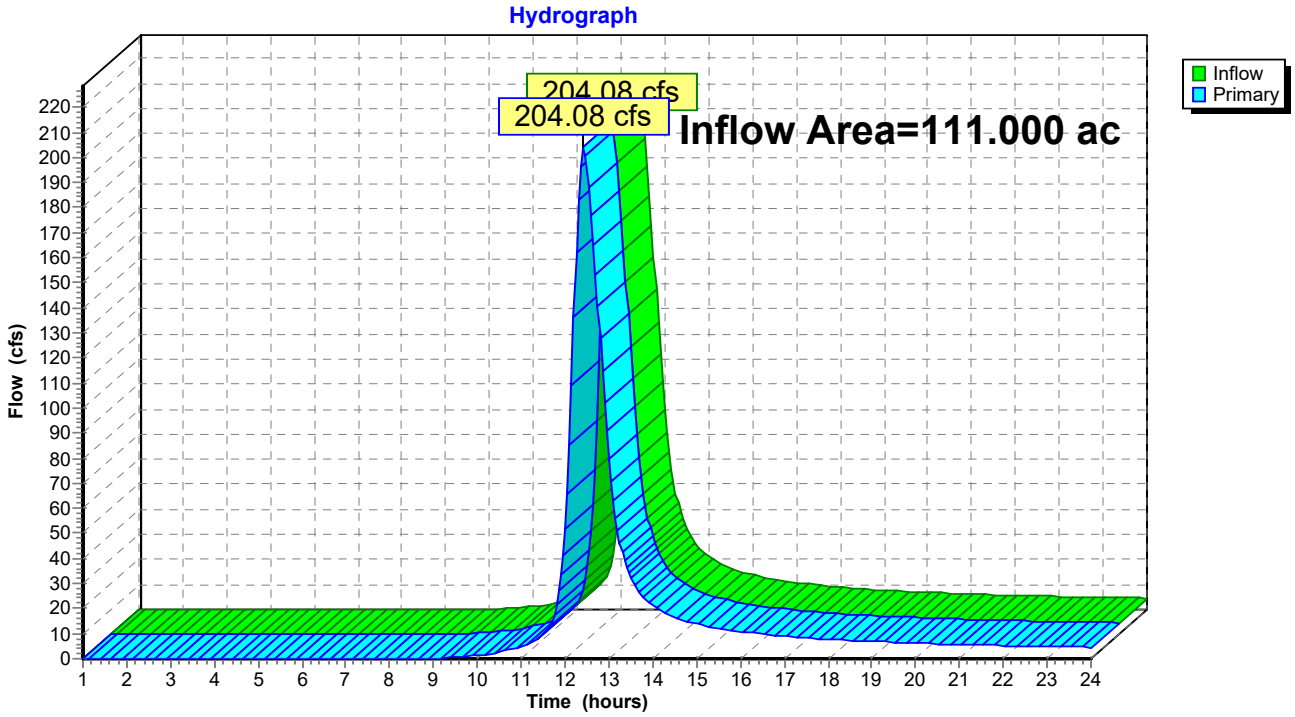


Summary for Link 16L: P

Inflow Area = 111.000 ac, 0.00% Impervious, Inflow Depth > 2.51" for 100-yr event
Inflow = 204.08 cfs @ 12.42 hrs, Volume= 23.202 af
Primary = 204.08 cfs @ 12.42 hrs, Volume= 23.202 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 16L: P

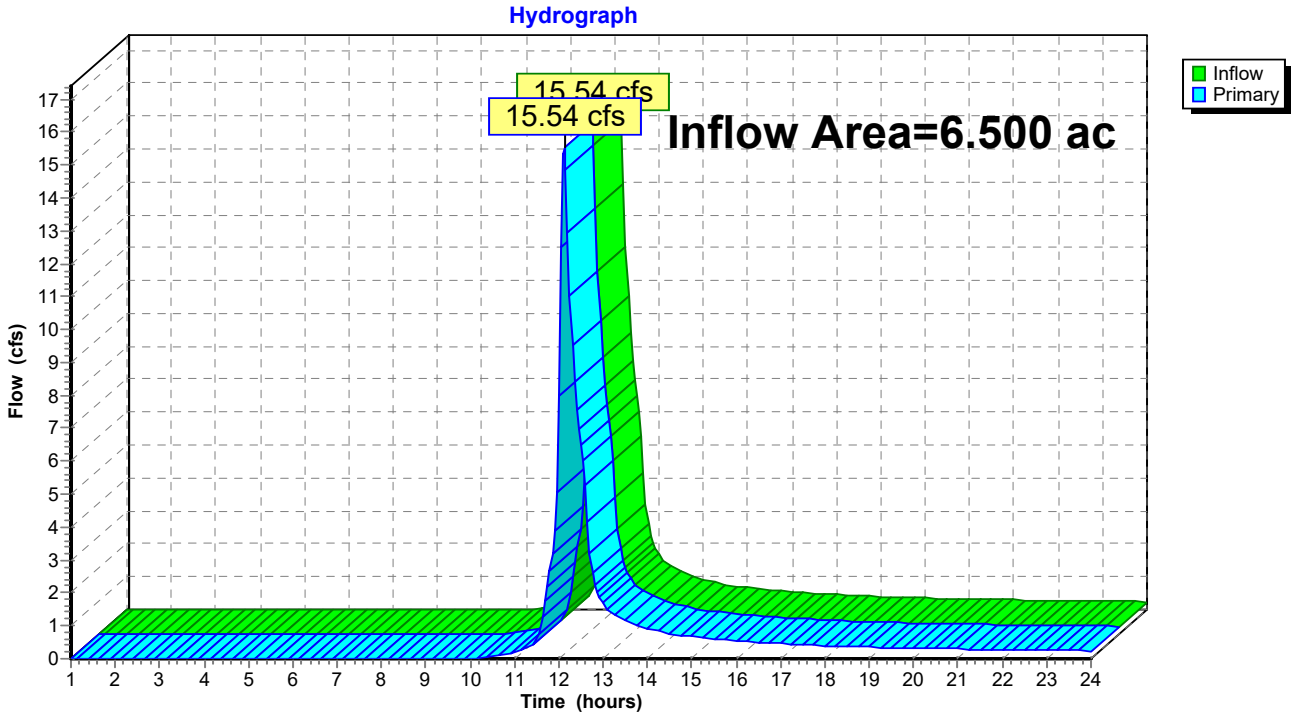


Summary for Link 17L: Q

Inflow Area = 6.500 ac, 0.00% Impervious, Inflow Depth > 2.10" for 100-yr event
Inflow = 15.54 cfs @ 12.12 hrs, Volume= 1.139 af
Primary = 15.54 cfs @ 12.12 hrs, Volume= 1.139 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 17L: Q

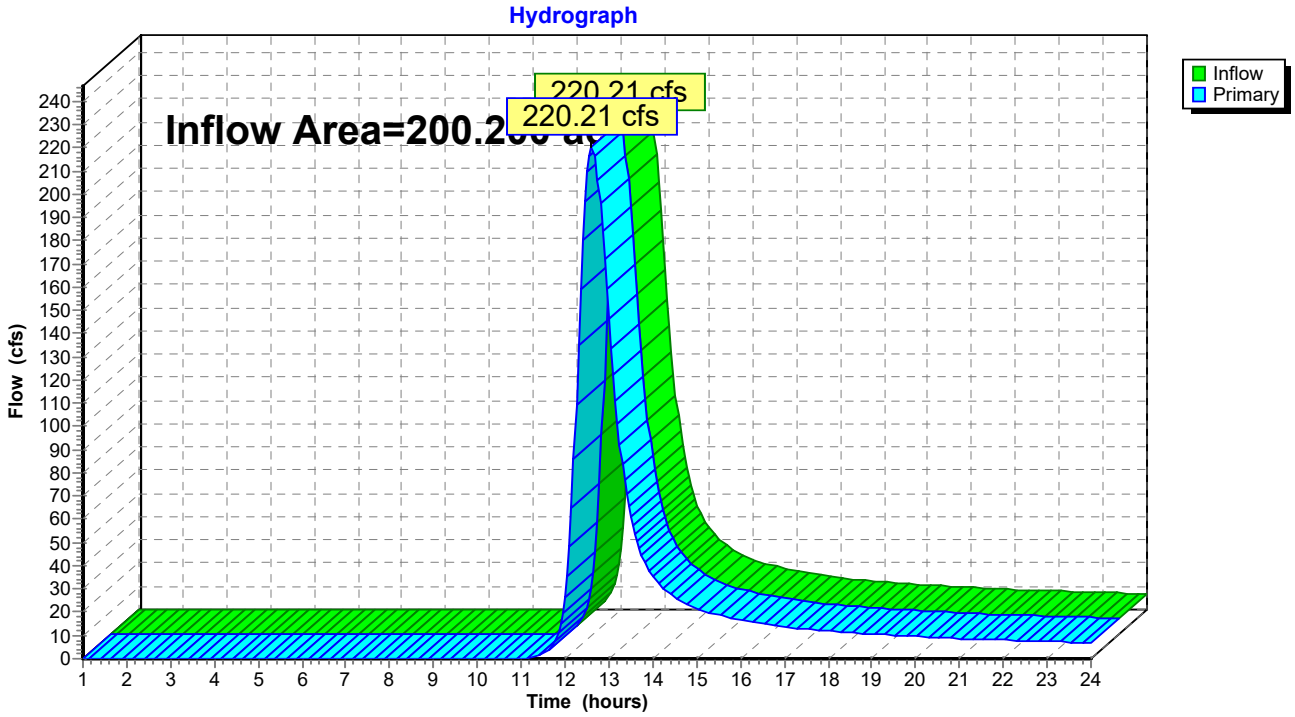


Summary for Link 18L: R

Inflow Area = 200.200 ac, 0.00% Impervious, Inflow Depth > 1.77" for 100-yr event
Inflow = 220.21 cfs @ 12.61 hrs, Volume= 29.608 af
Primary = 220.21 cfs @ 12.61 hrs, Volume= 29.608 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 18L: R

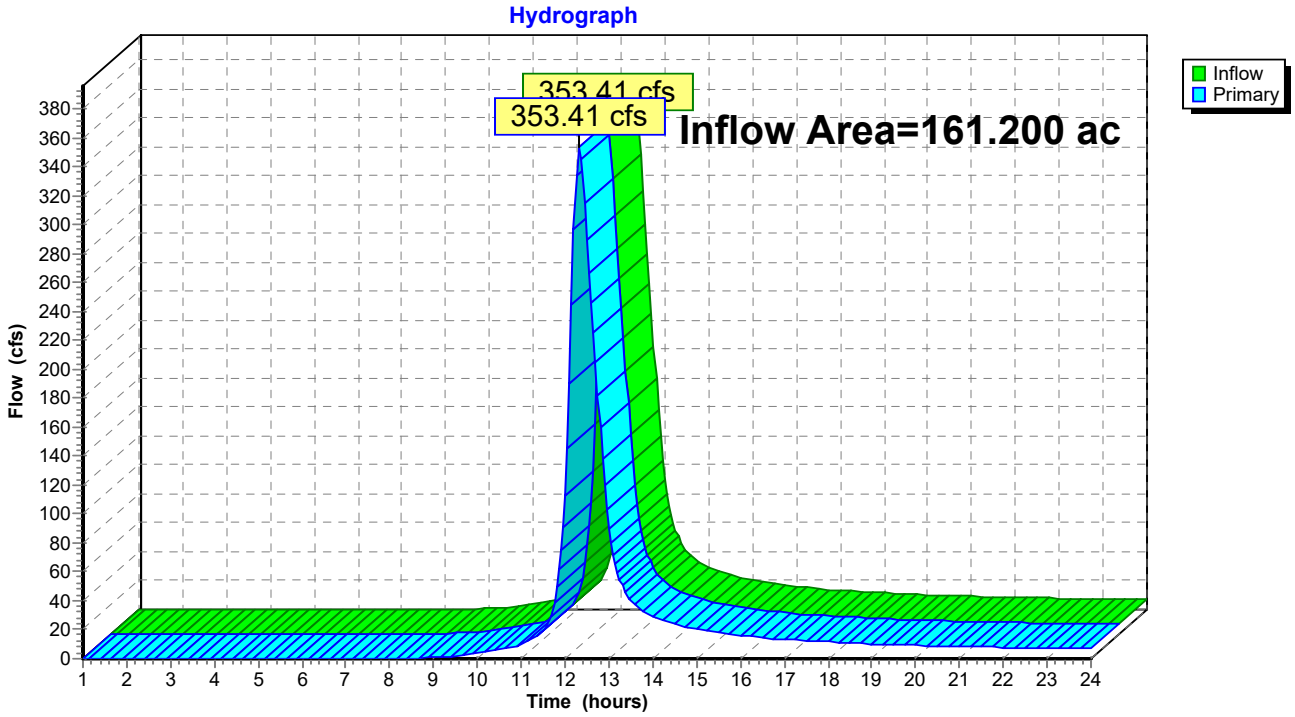


Summary for Link 19L: S

Inflow Area = 161.200 ac, 0.00% Impervious, Inflow Depth > 2.69" for 100-yr event
Inflow = 353.41 cfs @ 12.33 hrs, Volume= 36.107 af
Primary = 353.41 cfs @ 12.33 hrs, Volume= 36.107 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 19L: S

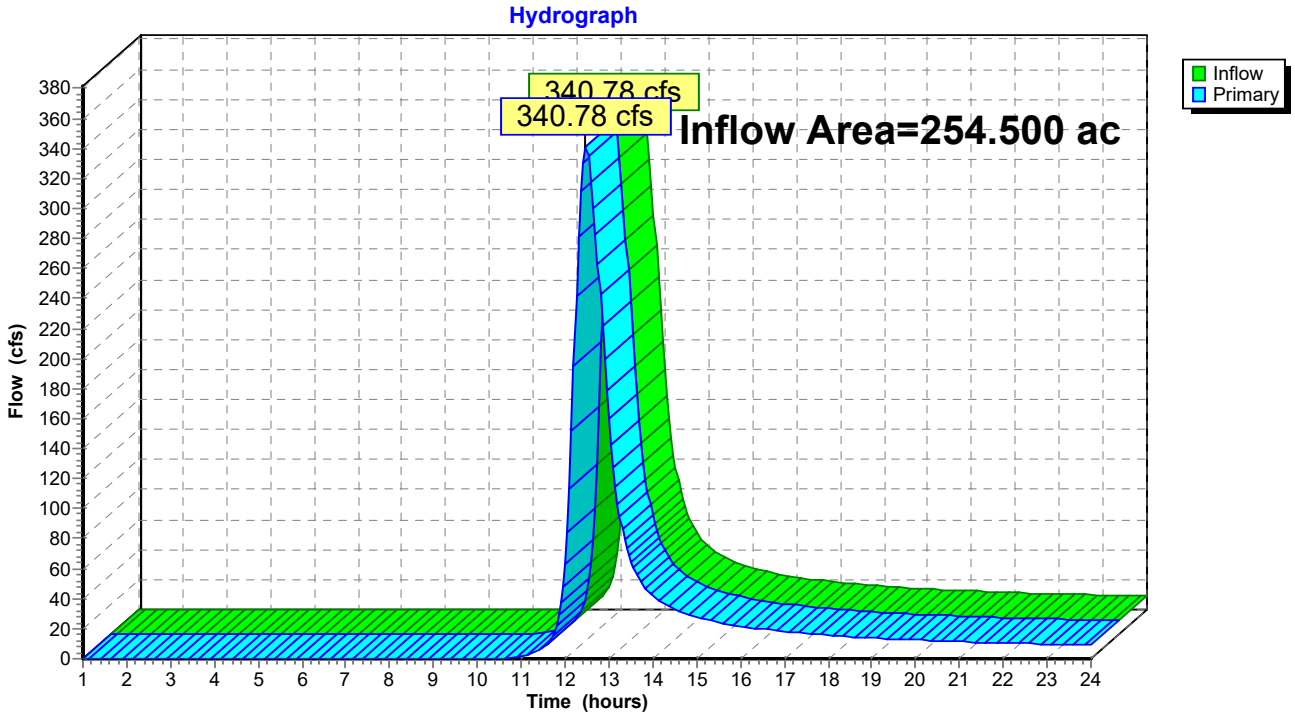


Summary for Link 20L: T

Inflow Area = 254.500 ac, 0.00% Impervious, Inflow Depth > 1.93" for 100-yr event
Inflow = 340.78 cfs @ 12.47 hrs, Volume= 40.982 af
Primary = 340.78 cfs @ 12.47 hrs, Volume= 40.982 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 20L: T

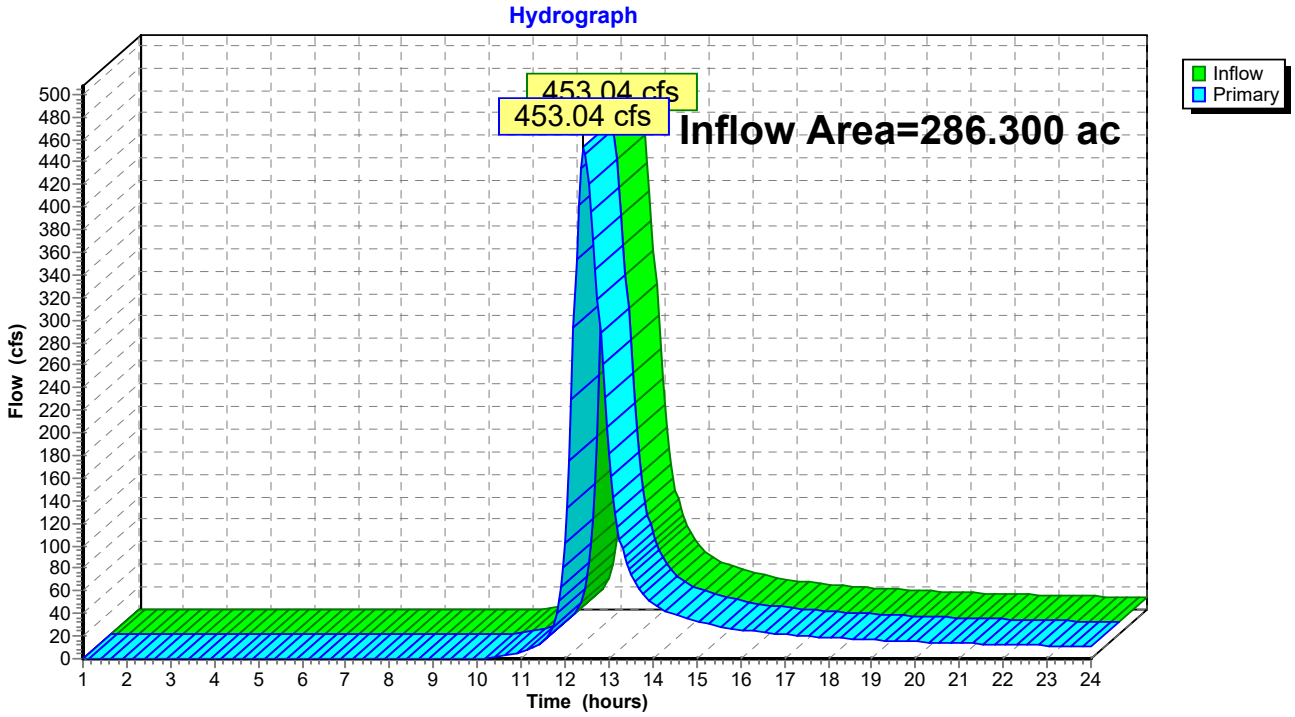


Summary for Link 21L: U

Inflow Area = 286.300 ac, 0.00% Impervious, Inflow Depth > 2.17" for 100-yr event
Inflow = 453.04 cfs @ 12.43 hrs, Volume= 51.838 af
Primary = 453.04 cfs @ 12.43 hrs, Volume= 51.838 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 21L: U

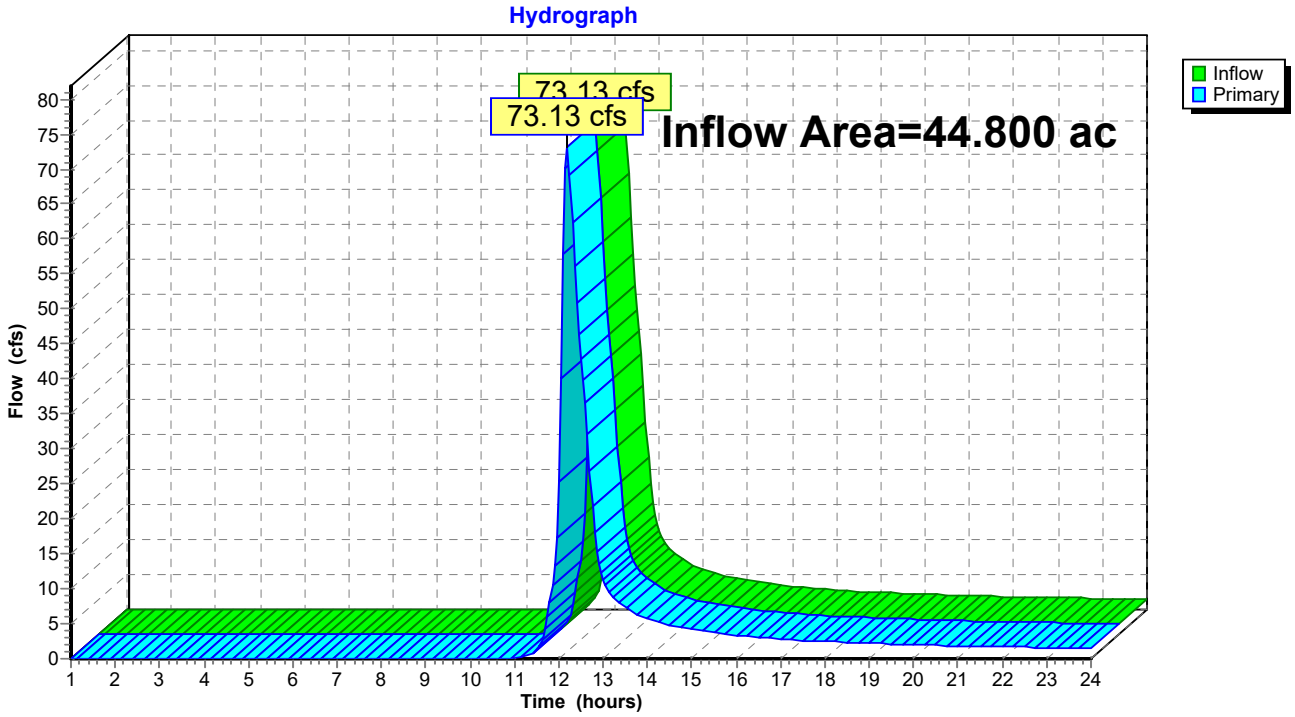


Summary for Link 22L: V

Inflow Area = 44.800 ac, 0.00% Impervious, Inflow Depth > 1.71" for 100-yr event
Inflow = 73.13 cfs @ 12.20 hrs, Volume= 6.398 af
Primary = 73.13 cfs @ 12.20 hrs, Volume= 6.398 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 22L: V

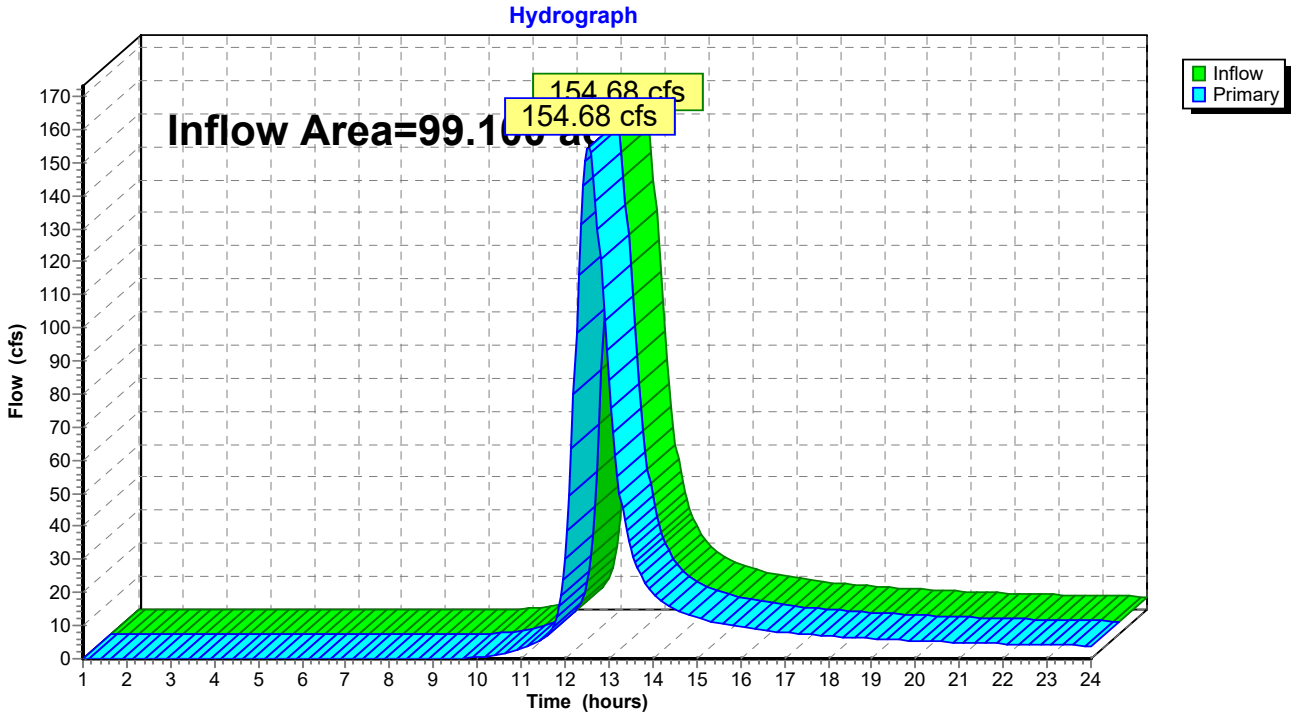


Summary for Link 23L: W

Inflow Area = 99.100 ac, 0.00% Impervious, Inflow Depth > 2.33" for 100-yr event
Inflow = 154.68 cfs @ 12.53 hrs, Volume= 19.275 af
Primary = 154.68 cfs @ 12.53 hrs, Volume= 19.275 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 23L: W

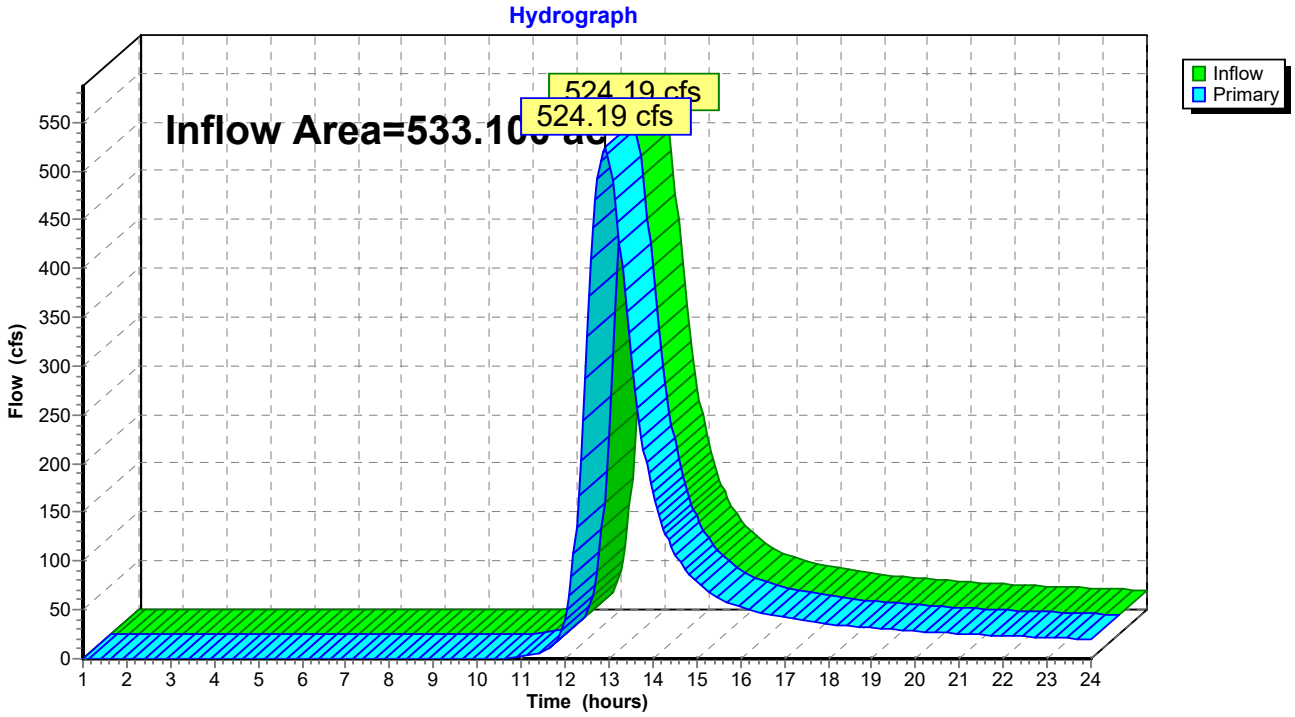


Summary for Link 24L: X

Inflow Area = 533.100 ac, 0.00% Impervious, Inflow Depth > 1.99" for 100-yr event
Inflow = 524.19 cfs @ 12.92 hrs, Volume= 88.517 af
Primary = 524.19 cfs @ 12.92 hrs, Volume= 88.517 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 24L: X

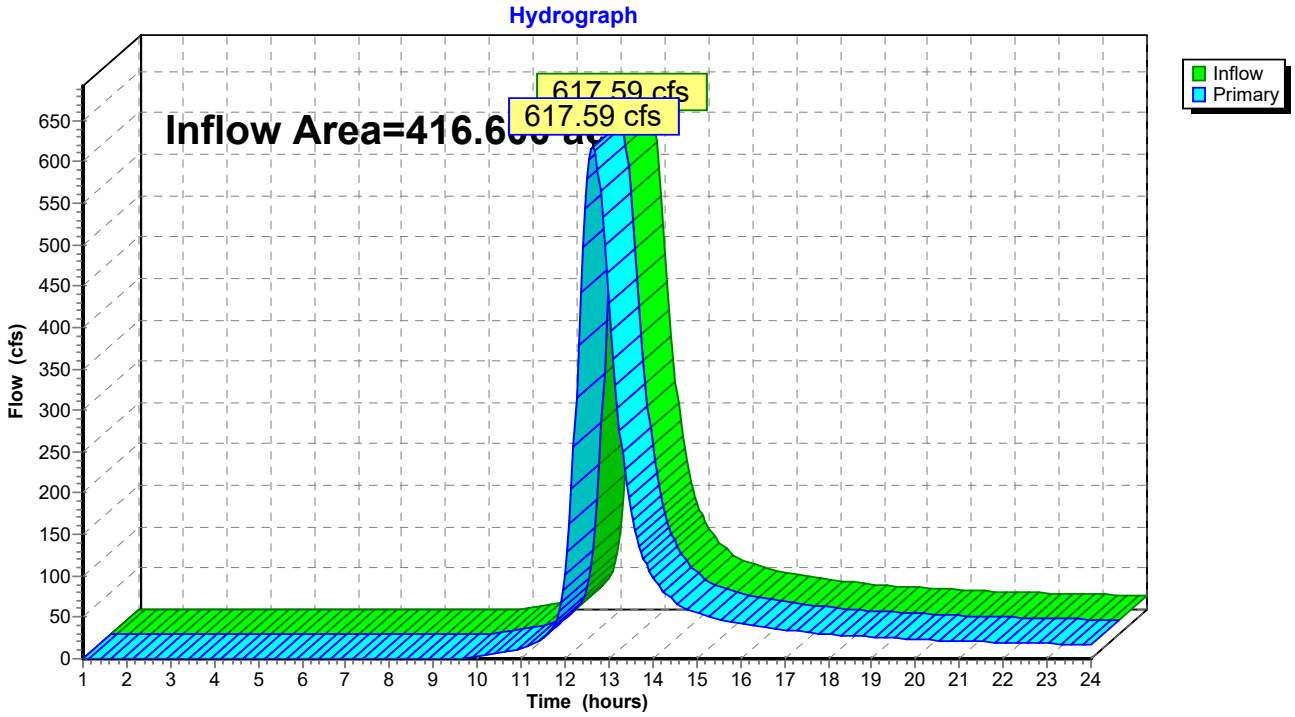


Summary for Link 25L: Y

Inflow Area = 416.600 ac, 0.00% Impervious, Inflow Depth > 2.41" for 100-yr event
Inflow = 617.59 cfs @ 12.63 hrs, Volume= 83.806 af
Primary = 617.59 cfs @ 12.63 hrs, Volume= 83.806 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 25L: Y

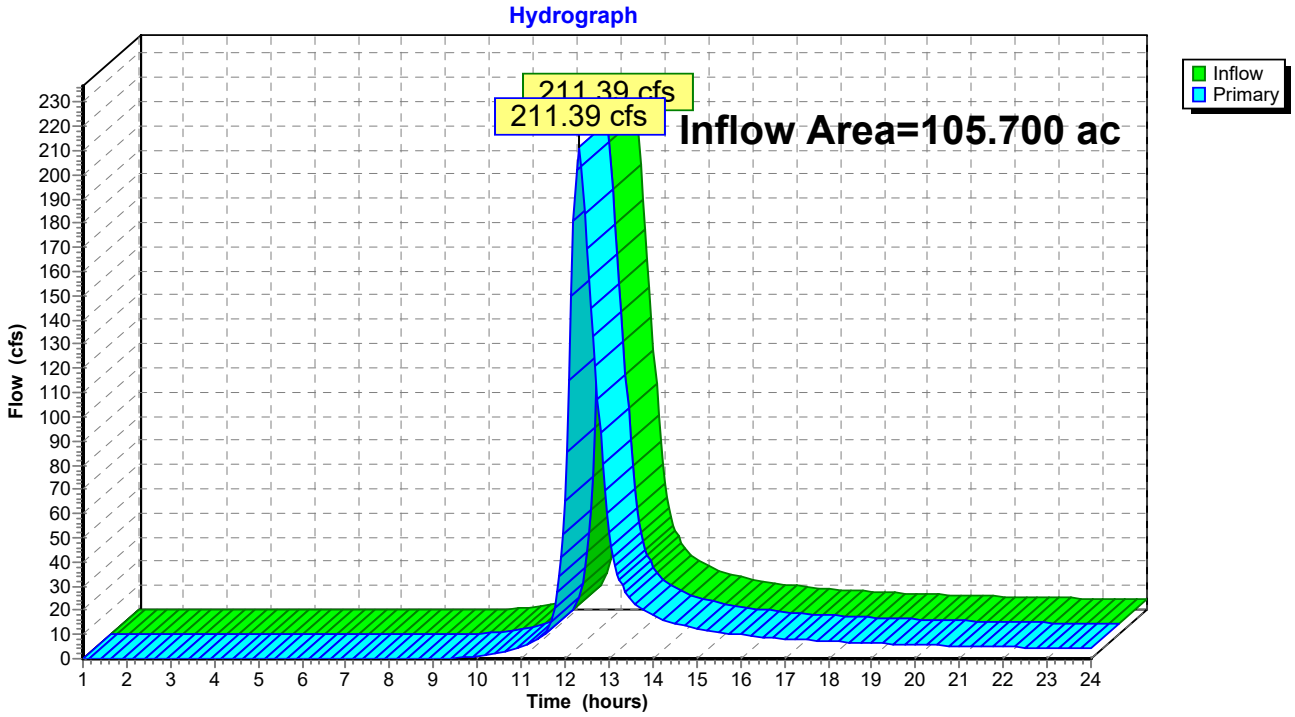


Summary for Link 26L: Z

Inflow Area = 105.700 ac, 0.00% Impervious, Inflow Depth > 2.43" for 100-yr event
Inflow = 211.39 cfs @ 12.32 hrs, Volume= 21.378 af
Primary = 211.39 cfs @ 12.32 hrs, Volume= 21.378 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 26L: Z

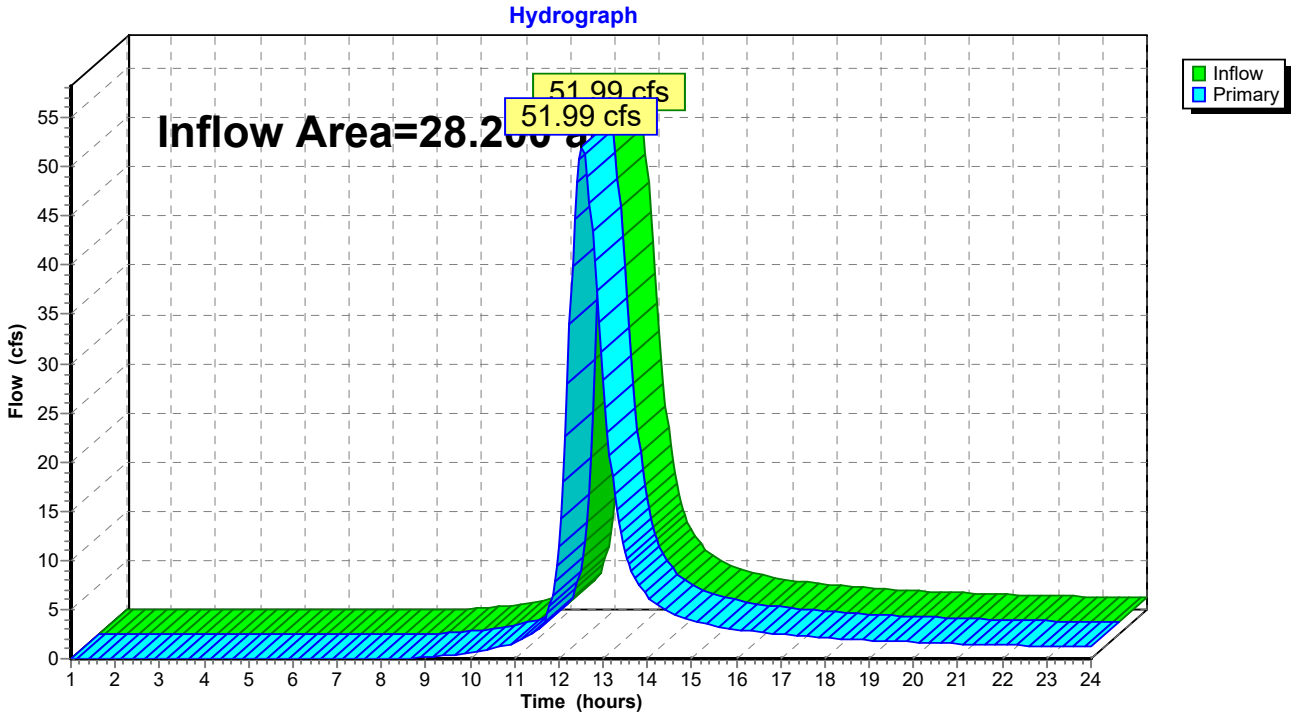


Summary for Link 27L: AA

Inflow Area = 28.200 ac, 0.00% Impervious, Inflow Depth > 2.77" for 100-yr event
Inflow = 51.99 cfs @ 12.52 hrs, Volume= 6.506 af
Primary = 51.99 cfs @ 12.52 hrs, Volume= 6.506 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 27L: AA

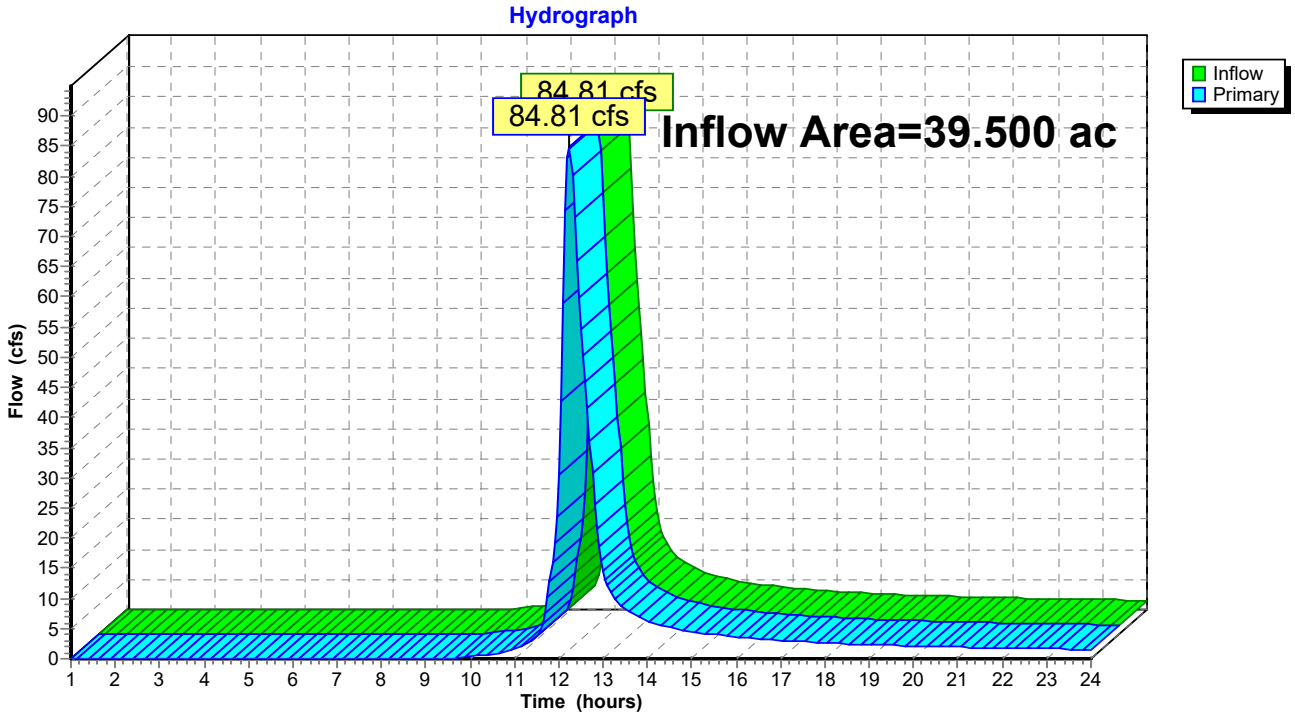


Summary for Link 28L: BB

Inflow Area = 39.500 ac, 0.00% Impervious, Inflow Depth > 2.35" for 100-yr event
Inflow = 84.81 cfs @ 12.24 hrs, Volume= 7.721 af
Primary = 84.81 cfs @ 12.24 hrs, Volume= 7.721 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 28L: BB

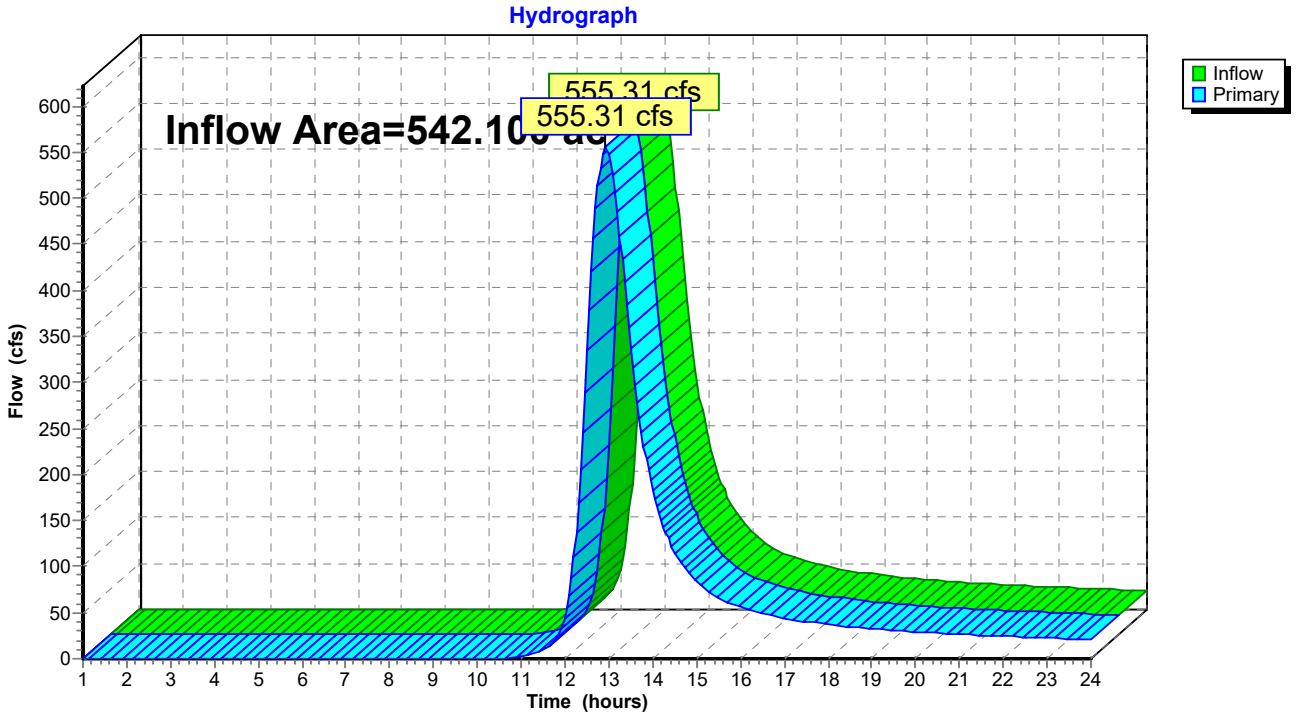


Summary for Link 29L: CC

Inflow Area = 542.100 ac, 0.00% Impervious, Inflow Depth > 2.07" for 100-yr event
Inflow = 555.31 cfs @ 12.93 hrs, Volume= 93.565 af
Primary = 555.31 cfs @ 12.93 hrs, Volume= 93.565 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 29L: CC

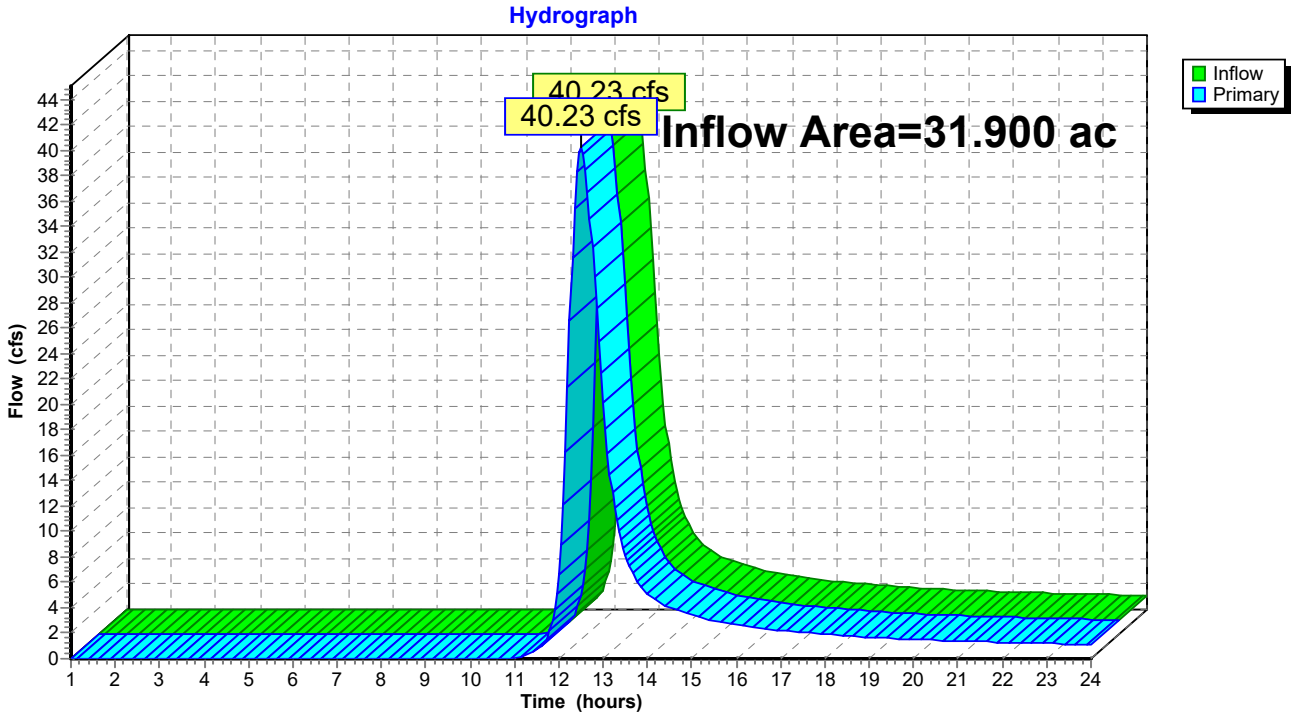


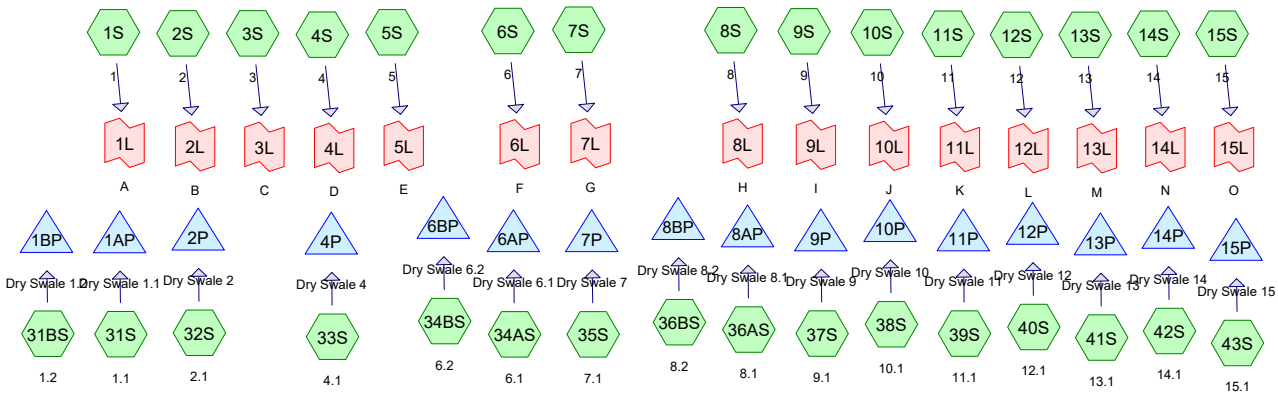
Summary for Link 30L: DD

Inflow Area = 31.900 ac, 0.00% Impervious, Inflow Depth > 1.85" for 100-yr event
Inflow = 40.23 cfs @ 12.50 hrs, Volume= 4.930 af
Primary = 40.23 cfs @ 12.50 hrs, Volume= 4.930 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 30L: DD





Subcat Reach Pond Link

Routing Diagram for Prop

Prepared by Stantec Consulting Services Inc., Printed 3/31/2021

HydroCAD® 10.00-20 s/n 07990 © 2017 HydroCAD Software Solutions LLC

Time span=1.00-24.00 hrs, dt=0.05 hrs, 461 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: 1 Runoff Area=1,033.300 ac 0.00% Impervious Runoff Depth>0.33"
Flow Length=16,710' Slope=0.0270 '/' Tc=87.0 min CN=76 Runoff=103.92 cfs 28.431 af

Subcatchment2S: 2 Runoff Area=151.300 ac 0.00% Impervious Runoff Depth>0.43"
Flow Length=4,670' Tc=51.1 min CN=79 Runoff=30.39 cfs 5.466 af

Subcatchment3S: 3 Runoff Area=29.300 ac 0.00% Impervious Runoff Depth>0.47"
Flow Length=1,150' Tc=26.3 min CN=80 Runoff=9.28 cfs 1.159 af

Subcatchment4S: 4 Runoff Area=563.100 ac 0.00% Impervious Runoff Depth>0.40"
Flow Length=11,900' Tc=72.6 min CN=78 Runoff=81.28 cfs 18.553 af

Subcatchment5S: 5 Runoff Area=523.000 ac 0.00% Impervious Runoff Depth>0.23"
Flow Length=1,375' Slope=0.2200 '/' Tc=11.8 min CN=72 Runoff=71.95 cfs 10.213 af

Subcatchment6S: 6 Runoff Area=997.900 ac 0.00% Impervious Runoff Depth>0.31"
Flow Length=9,785' Tc=53.1 min CN=75 Runoff=121.74 cfs 25.513 af

Subcatchment7S: 7 Runoff Area=103.200 ac 0.00% Impervious Runoff Depth>0.28"
Flow Length=3,500' Slope=0.0900 '/' Tc=24.2 min CN=74 Runoff=15.59 cfs 2.439 af

Subcatchment8S: 8 Runoff Area=726.600 ac 0.00% Impervious Runoff Depth>0.33"
Flow Length=8,910' Tc=92.8 min CN=76 Runoff=70.34 cfs 19.932 af

Subcatchment9S: 9 Runoff Area=94.100 ac 0.00% Impervious Runoff Depth>0.23"
Flow Length=2,775' Tc=21.4 min CN=72 Runoff=10.64 cfs 1.828 af

Subcatchment10S: 10 Runoff Area=23.700 ac 0.00% Impervious Runoff Depth>0.13"
Flow Length=1,385' Tc=29.0 min CN=67 Runoff=0.92 cfs 0.256 af

Subcatchment11S: 11 Runoff Area=680.000 ac 0.00% Impervious Runoff Depth>0.16"
Flow Length=8,510' Tc=93.4 min CN=69 Runoff=23.09 cfs 9.042 af

Subcatchment12S: 12 Runoff Area=200.100 ac 0.00% Impervious Runoff Depth>0.13"
Flow Length=5,325' Tc=49.2 min CN=67 Runoff=6.24 cfs 2.128 af

Subcatchment13S: 13 Runoff Area=138.800 ac 0.00% Impervious Runoff Depth>0.26"
Flow Length=4,230' Tc=36.3 min CN=73 Runoff=15.25 cfs 2.958 af

Subcatchment14S: 14 Runoff Area=92.000 ac 0.00% Impervious Runoff Depth>0.34"
Flow Length=3,010' Tc=42.3 min CN=76 Runoff=14.41 cfs 2.588 af

Subcatchment15S: 15 Runoff Area=84.700 ac 0.00% Impervious Runoff Depth>0.34"
Flow Length=1,410' Tc=22.6 min CN=76 Runoff=17.79 cfs 2.405 af

Subcatchment31BS: 1.2 Runoff Area=6.650 ac 0.00% Impervious Runoff Depth>0.69"
Tc=10.0 min CN=85 Runoff=5.32 cfs 0.384 af

Subcatchment31S: 1.1 Runoff Area=6.650 ac 0.00% Impervious Runoff Depth>0.69"
Tc=10.0 min CN=85 Runoff=5.32 cfs 0.384 af

Subcatchment32S: 2.1 Runoff Area=2.000 ac 0.00% Impervious Runoff Depth>0.80"
Tc=10.0 min CN=87 Runoff=1.88 cfs 0.133 af

Subcatchment33S: 4.1 Runoff Area=4.000 ac 0.00% Impervious Runoff Depth>0.80"
Tc=10.0 min CN=87 Runoff=3.76 cfs 0.265 af

Subcatchment34AS: 6.1 Runoff Area=4.700 ac 0.00% Impervious Runoff Depth>0.60"
Tc=10.0 min CN=83 Runoff=3.16 cfs 0.235 af

Subcatchment34BS: 6.2 Runoff Area=4.700 ac 0.00% Impervious Runoff Depth>0.60"
Tc=10.0 min CN=83 Runoff=3.16 cfs 0.235 af

Subcatchment35S: 7.1 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth>0.74"
Tc=10.0 min CN=86 Runoff=1.39 cfs 0.099 af

Subcatchment36AS: 8.1 Runoff Area=4.250 ac 0.00% Impervious Runoff Depth>0.80"
Tc=10.0 min CN=87 Runoff=4.00 cfs 0.282 af

Subcatchment36BS: 8.2 Runoff Area=4.250 ac 0.00% Impervious Runoff Depth>0.80"
Tc=10.0 min CN=87 Runoff=4.00 cfs 0.282 af

Subcatchment37S: 9.1 Runoff Area=0.700 ac 0.00% Impervious Runoff Depth>0.74"
Tc=10.0 min CN=86 Runoff=0.61 cfs 0.043 af

Subcatchment38S: 10.1 Runoff Area=0.500 ac 0.00% Impervious Runoff Depth>0.64"
Tc=10.0 min CN=84 Runoff=0.37 cfs 0.027 af

Subcatchment39S: 11.1 Runoff Area=4.000 ac 0.00% Impervious Runoff Depth>0.44"
Tc=10.0 min CN=79 Runoff=1.78 cfs 0.147 af

Subcatchment40S: 12.1 Runoff Area=1.800 ac 0.00% Impervious Runoff Depth>0.52"
Tc=10.0 min CN=81 Runoff=1.00 cfs 0.077 af

Subcatchment41S: 13.1 Runoff Area=4.500 ac 0.00% Impervious Runoff Depth>0.69"
Tc=10.0 min CN=85 Runoff=3.60 cfs 0.260 af

Subcatchment42S: 14.1 Runoff Area=0.500 ac 0.00% Impervious Runoff Depth>0.80"
Tc=10.0 min CN=87 Runoff=0.47 cfs 0.033 af

Subcatchment43S: 15.1 Runoff Area=1.100 ac 0.00% Impervious Runoff Depth>0.80"
Tc=10.0 min CN=87 Runoff=1.04 cfs 0.073 af

Pond 1AP: Dry Swale 1.1 Peak Elev=0.15' Storage=0.150 af Inflow=5.32 cfs 0.384 af
Outflow=0.56 cfs 0.382 af

Pond 1BP: Dry Swale 1.2 Peak Elev=0.15' Storage=0.150 af Inflow=5.32 cfs 0.384 af
Outflow=0.56 cfs 0.382 af

Pond 2P: Dry Swale 2 Peak Elev=0.18' Storage=0.055 af Inflow=1.88 cfs 0.133 af
Outflow=0.18 cfs 0.132 af

Pond 4P: Dry Swale 4	Peak Elev=0.18' Storage=0.110 af Inflow=3.76 cfs 0.265 af Outflow=0.35 cfs 0.264 af
Pond 6AP: Dry Swale 6.1	Peak Elev=0.13' Storage=0.086 af Inflow=3.16 cfs 0.235 af Outflow=0.38 cfs 0.233 af
Pond 6BP: Dry Swale 6.2	Peak Elev=0.13' Storage=0.086 af Inflow=3.16 cfs 0.235 af Outflow=0.38 cfs 0.233 af
Pond 7P: Dry Swale 7	Peak Elev=0.17' Storage=0.040 af Inflow=1.39 cfs 0.099 af Outflow=0.14 cfs 0.099 af
Pond 8AP: Dry Swale 8.1	Peak Elev=0.18' Storage=0.117 af Inflow=4.00 cfs 0.282 af Outflow=0.37 cfs 0.280 af
Pond 8BP: Dry Swale 8.2	Peak Elev=0.18' Storage=0.117 af Inflow=4.00 cfs 0.282 af Outflow=0.37 cfs 0.280 af
Pond 9P: Dry Swale 9	Peak Elev=0.17' Storage=0.017 af Inflow=0.61 cfs 0.043 af Outflow=0.06 cfs 0.043 af
Pond 10P: Dry Swale 10	Peak Elev=0.14' Storage=0.010 af Inflow=0.37 cfs 0.027 af Outflow=0.04 cfs 0.027 af
Pond 11P: Dry Swale 11	Peak Elev=0.08' Storage=0.044 af Inflow=1.78 cfs 0.147 af Outflow=0.30 cfs 0.146 af
Pond 12P: Dry Swale 12	Peak Elev=0.10' Storage=0.026 af Inflow=1.00 cfs 0.077 af Outflow=0.14 cfs 0.077 af
Pond 13P: Dry Swale 13	Peak Elev=0.16' Storage=0.102 af Inflow=3.60 cfs 0.260 af Outflow=0.38 cfs 0.258 af
Pond 14P: Dry Swale 14	Peak Elev=0.18' Storage=0.014 af Inflow=0.47 cfs 0.033 af Outflow=0.04 cfs 0.033 af
Pond 15P: Dry Swale 15	Peak Elev=0.18' Storage=0.030 af Inflow=1.04 cfs 0.073 af Outflow=0.10 cfs 0.073 af
Link 1L: A	Inflow=103.92 cfs 28.431 af Primary=103.92 cfs 28.431 af
Link 2L: B	Inflow=30.39 cfs 5.466 af Primary=30.39 cfs 5.466 af
Link 3L: C	Inflow=9.28 cfs 1.159 af Primary=9.28 cfs 1.159 af
Link 4L: D	Inflow=81.28 cfs 18.553 af Primary=81.28 cfs 18.553 af

Link 5L: E Inflow=71.95 cfs 10.213 af
Primary=71.95 cfs 10.213 af

Link 6L: F Inflow=121.74 cfs 25.513 af
Primary=121.74 cfs 25.513 af

Link 7L: G Inflow=15.59 cfs 2.439 af
Primary=15.59 cfs 2.439 af

Link 8L: H Inflow=70.34 cfs 19.932 af
Primary=70.34 cfs 19.932 af

Link 9L: I Inflow=10.64 cfs 1.828 af
Primary=10.64 cfs 1.828 af

Link 10L: J Inflow=0.92 cfs 0.256 af
Primary=0.92 cfs 0.256 af

Link 11L: K Inflow=23.09 cfs 9.042 af
Primary=23.09 cfs 9.042 af

Link 12L: L Inflow=6.24 cfs 2.128 af
Primary=6.24 cfs 2.128 af

Link 13L: M Inflow=15.25 cfs 2.958 af
Primary=15.25 cfs 2.958 af

Link 14L: N Inflow=14.41 cfs 2.588 af
Primary=14.41 cfs 2.588 af

Link 15L: O Inflow=17.79 cfs 2.405 af
Primary=17.79 cfs 2.405 af

Total Runoff Area = 5,493.000 ac Runoff Volume = 135.866 af Average Runoff Depth = 0.30"
100.00% Pervious = 5,493.000 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: 1

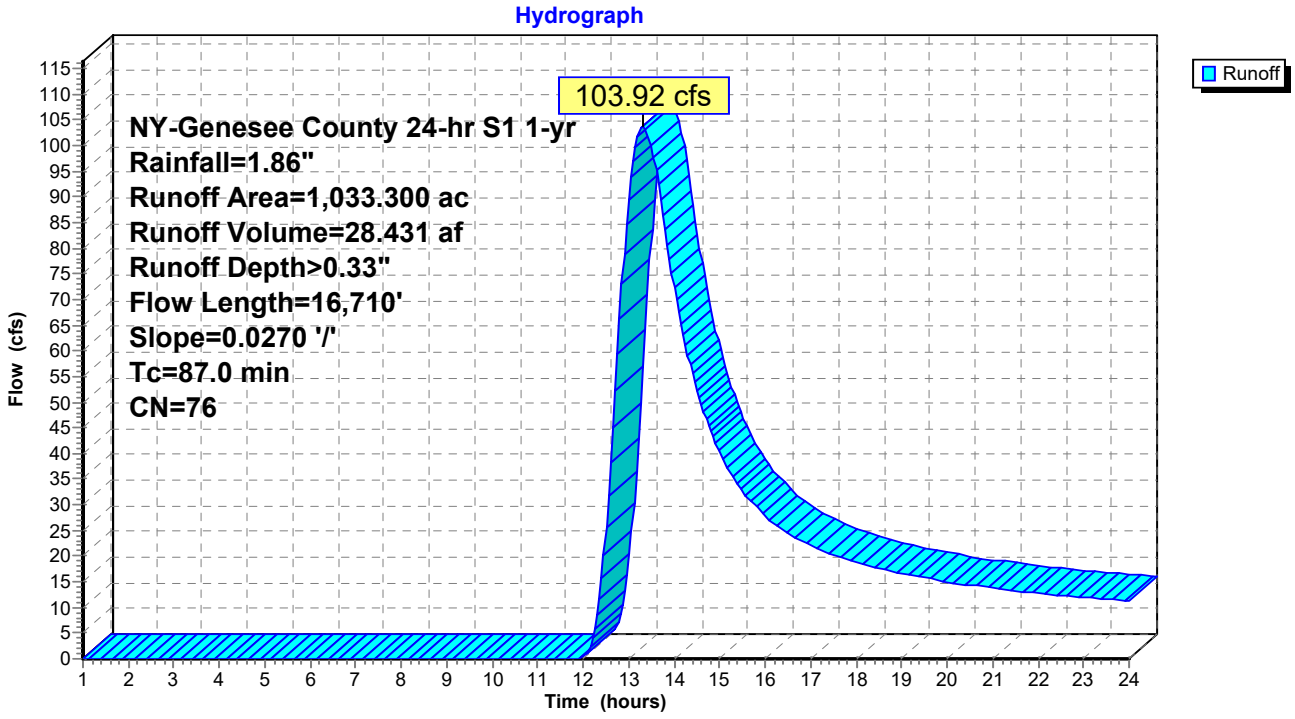
Runoff = 103.92 cfs @ 13.33 hrs, Volume= 28.431 af, Depth> 0.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	1,033.300	76	
	1,033.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
55.2	16,560		5.00		**Direct Entry,**
87.0	16,710	Total			

Subcatchment 1S: 1



Summary for Subcatchment 2S: 2

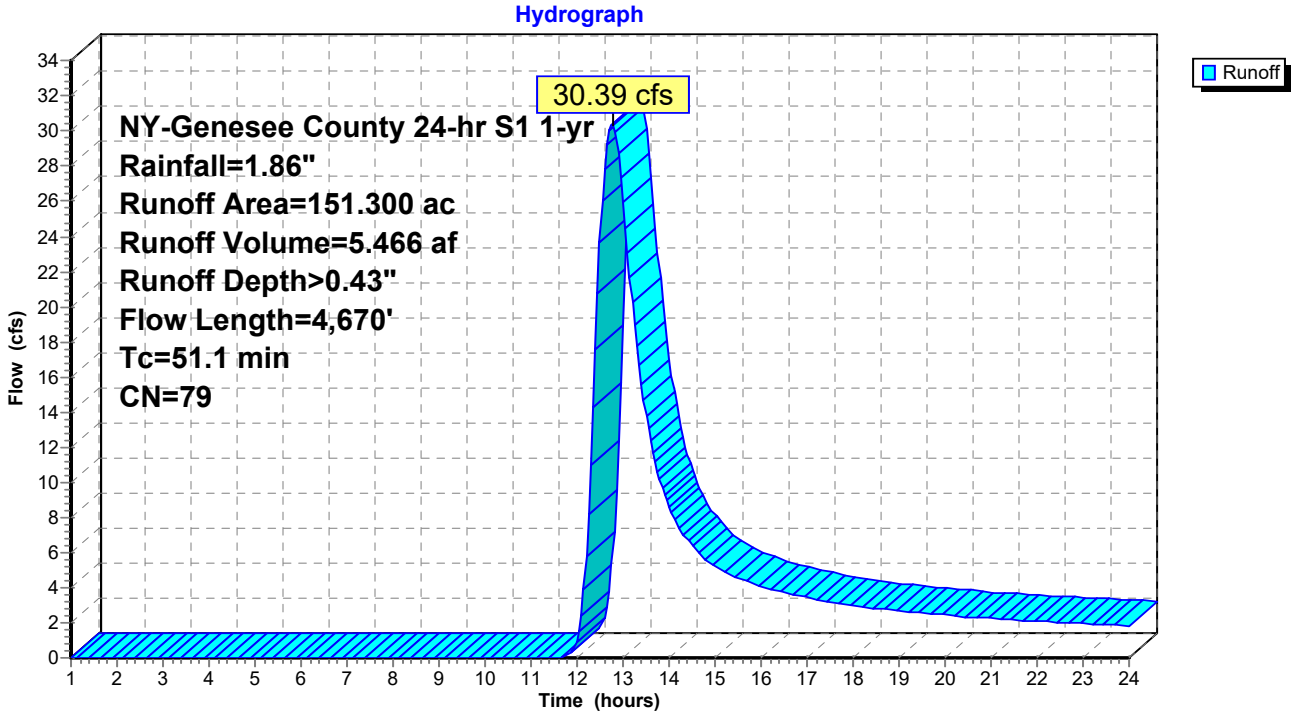
Runoff = 30.39 cfs @ 12.76 hrs, Volume= 5.466 af, Depth> 0.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	151.300	79	
	151.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.9	2,300	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.4	2,220		5.00		**Direct Entry,**
51.1	4,670	Total			

Subcatchment 2S: 2



Summary for Subcatchment 3S: 3

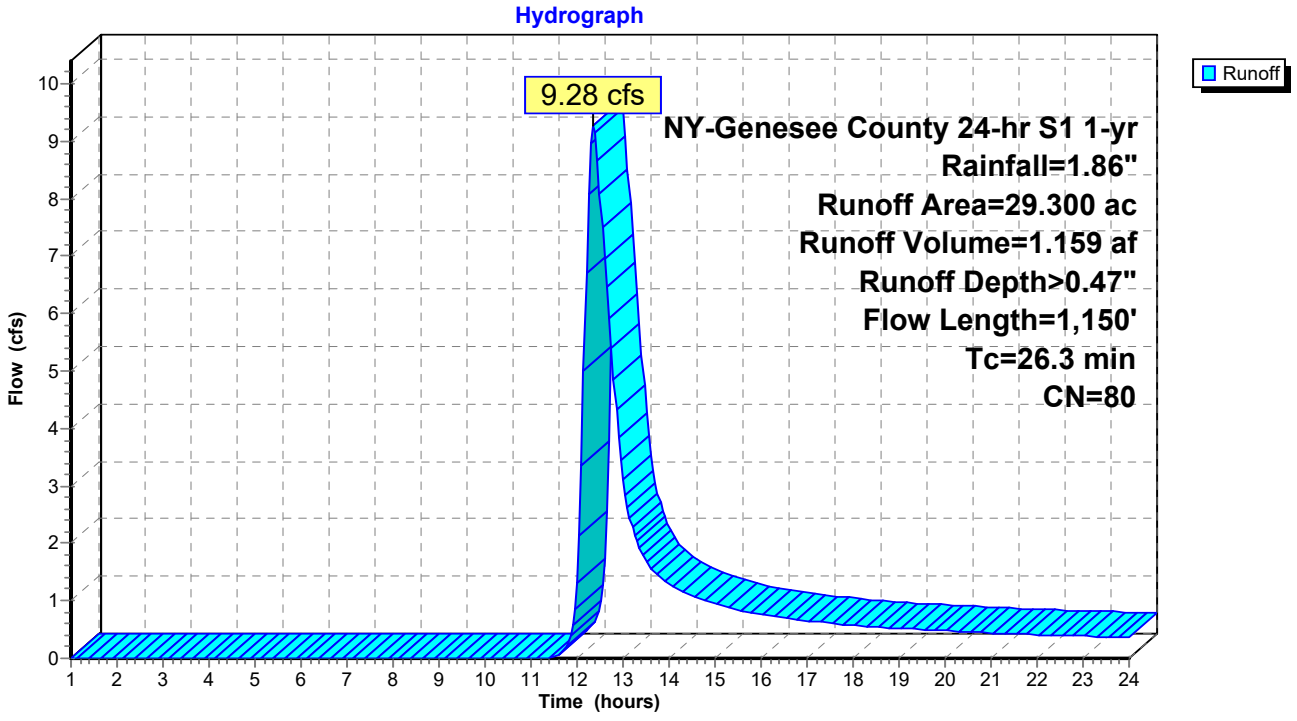
Runoff = 9.28 cfs @ 12.36 hrs, Volume= 1.159 af, Depth> 0.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	29.300	80	
	29.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,000	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
26.3	1,150	Total			

Subcatchment 3S: 3



Summary for Subcatchment 4S: 4

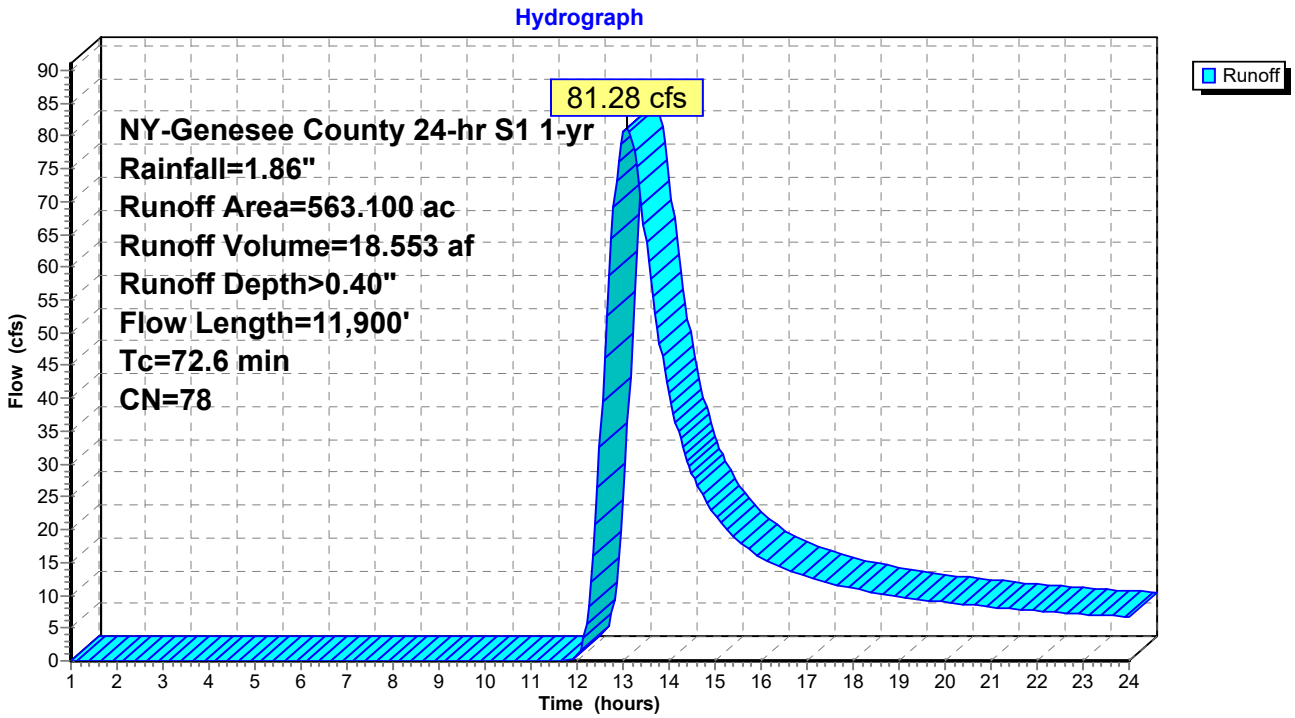
Runoff = 81.28 cfs @ 13.08 hrs, Volume= 18.553 af, Depth> 0.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	563.100	78	
	563.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
27.1	150	0.0400	0.09		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.7	1,600	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
33.8	10,150		5.00		**Direct Entry,**
72.6	11,900	Total			

Subcatchment 4S: 4



Summary for Subcatchment 5S: 5

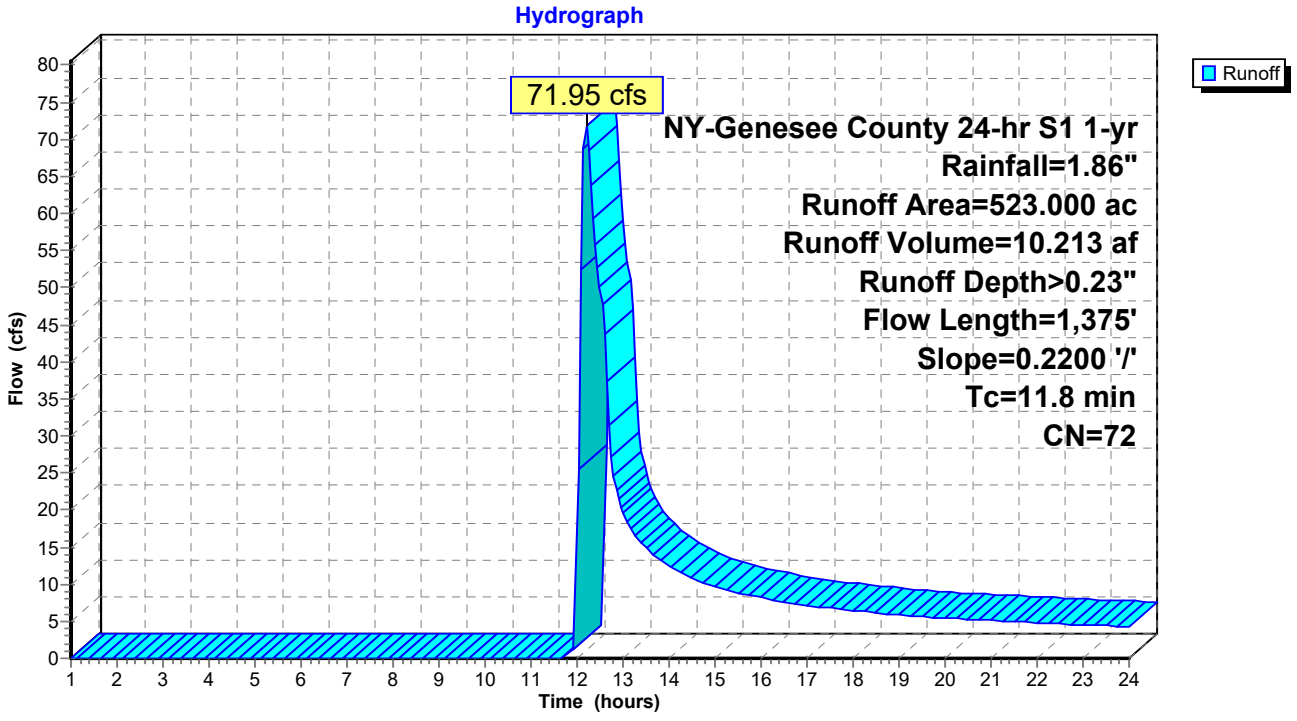
Runoff = 71.95 cfs @ 12.20 hrs, Volume= 10.213 af, Depth> 0.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	523.000	72	
	523.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	150	0.2200	0.27		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	1,225	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.8	1,375	Total			

Subcatchment 5S: 5



Summary for Subcatchment 6S: 6

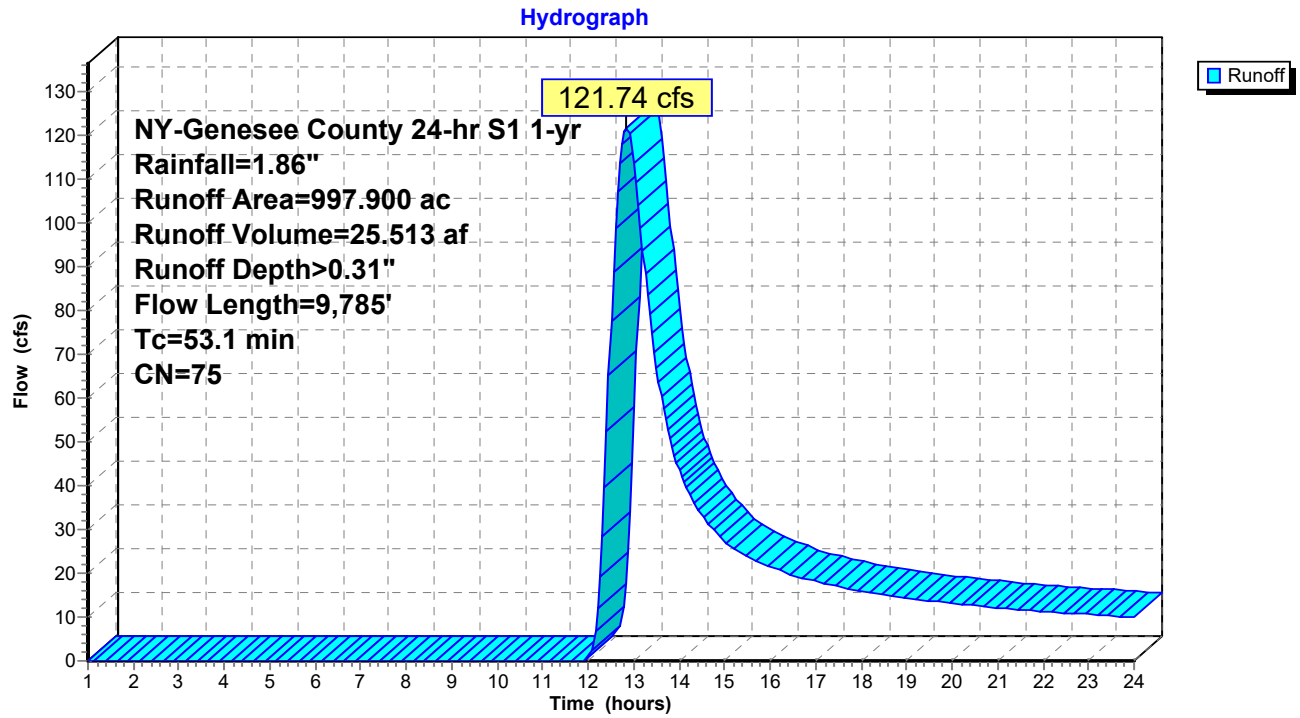
Runoff = 121.74 cfs @ 12.85 hrs, Volume= 25.513 af, Depth> 0.31"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	997.900	75	
	997.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.7	1,450	0.1000	5.09		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
27.3	8,185		5.00		**Direct Entry,**
53.1	9,785	Total			

Subcatchment 6S: 6



Summary for Subcatchment 7S: 7

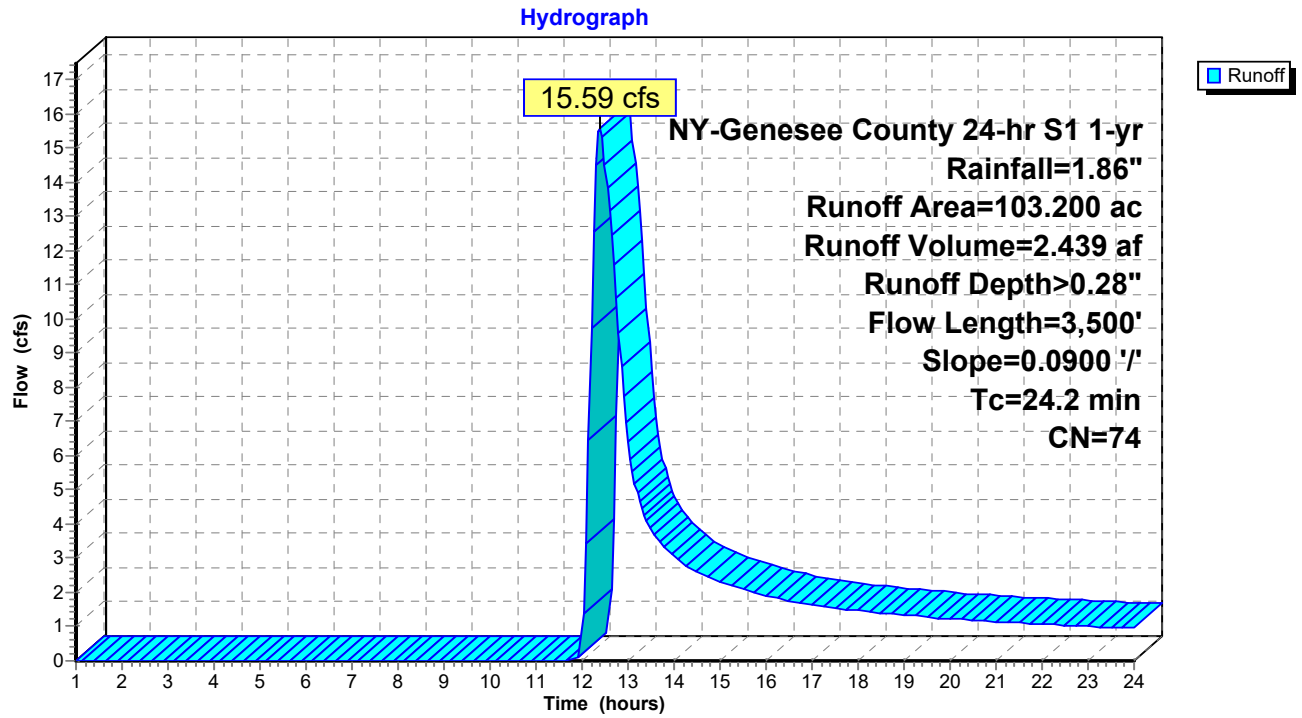
Runoff = 15.59 cfs @ 12.38 hrs, Volume= 2.439 af, Depth> 0.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	103.200	74	
	103.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	500	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
9.5	2,850		5.00		**Direct Entry,**
24.2	3,500	Total			

Subcatchment 7S: 7



Summary for Subcatchment 8S: 8

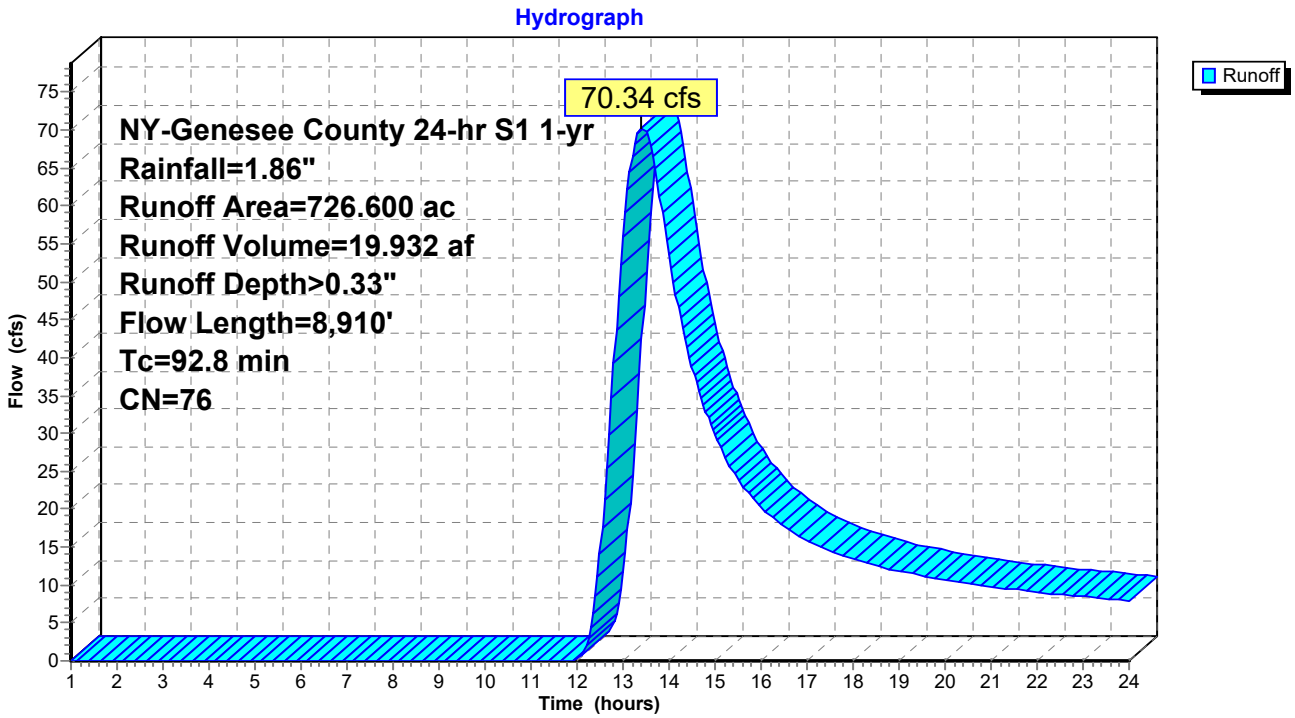
Runoff = 70.34 cfs @ 13.41 hrs, Volume= 19.932 af, Depth> 0.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	726.600	76	
	726.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
47.3	150	0.0100	0.05		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
30.0	4,100	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
15.5	4,660		5.00		**Direct Entry,**
92.8	8,910	Total			

Subcatchment 8S: 8



Summary for Subcatchment 9S: 9

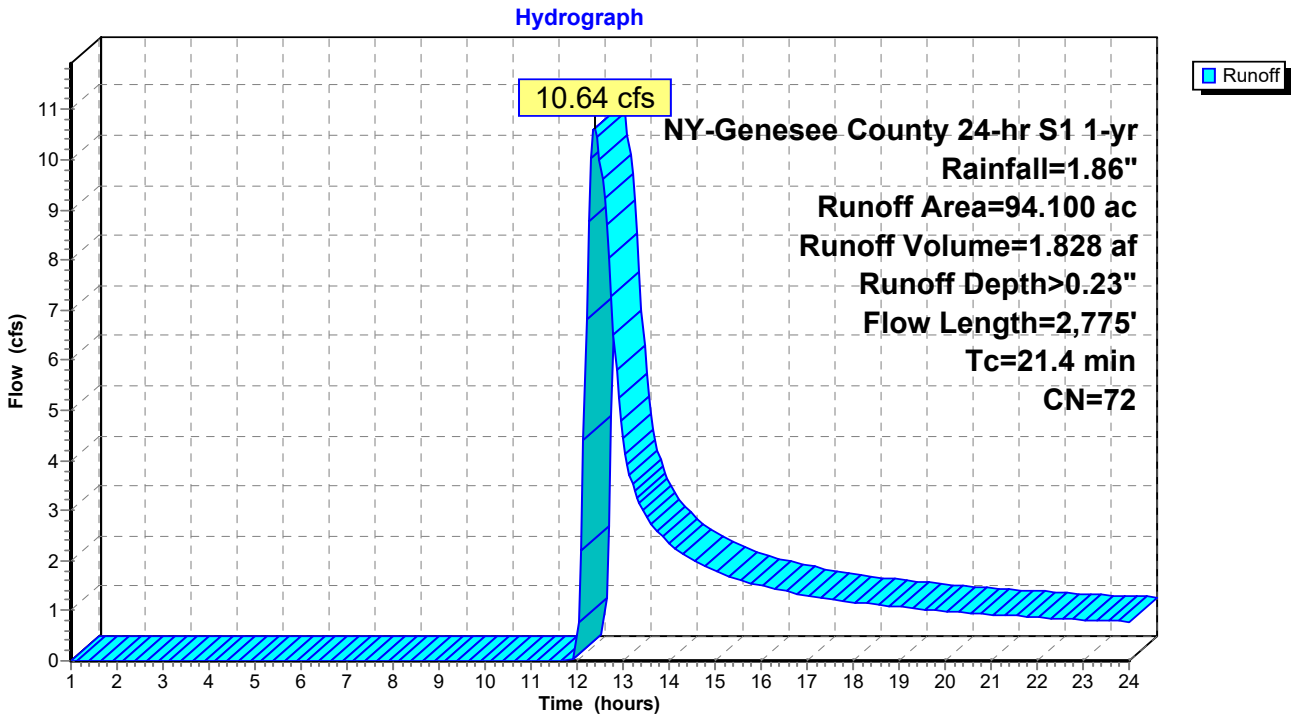
Runoff = 10.64 cfs @ 12.37 hrs, Volume= 1.828 af, Depth> 0.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	94.100	72	
	94.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	625	0.1500	6.24		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.7	2,000		5.00		**Direct Entry,**
21.4	2,775	Total			

Subcatchment 9S: 9



Summary for Subcatchment 10S: 10

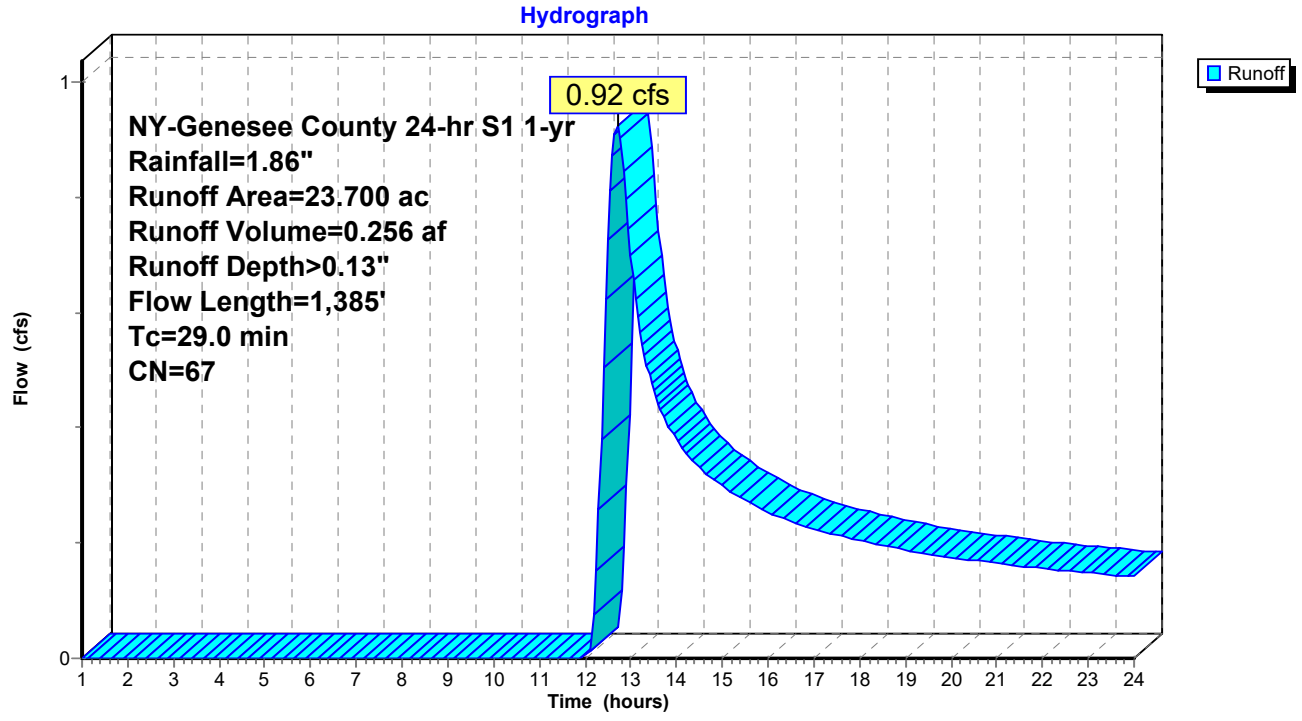
Runoff = 0.92 cfs @ 12.71 hrs, Volume= 0.256 af, Depth> 0.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	23.700	67	
	23.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,235	0.0600	3.94		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
29.0	1,385	Total			

Subcatchment 10S: 10



Summary for Subcatchment 11S: 11

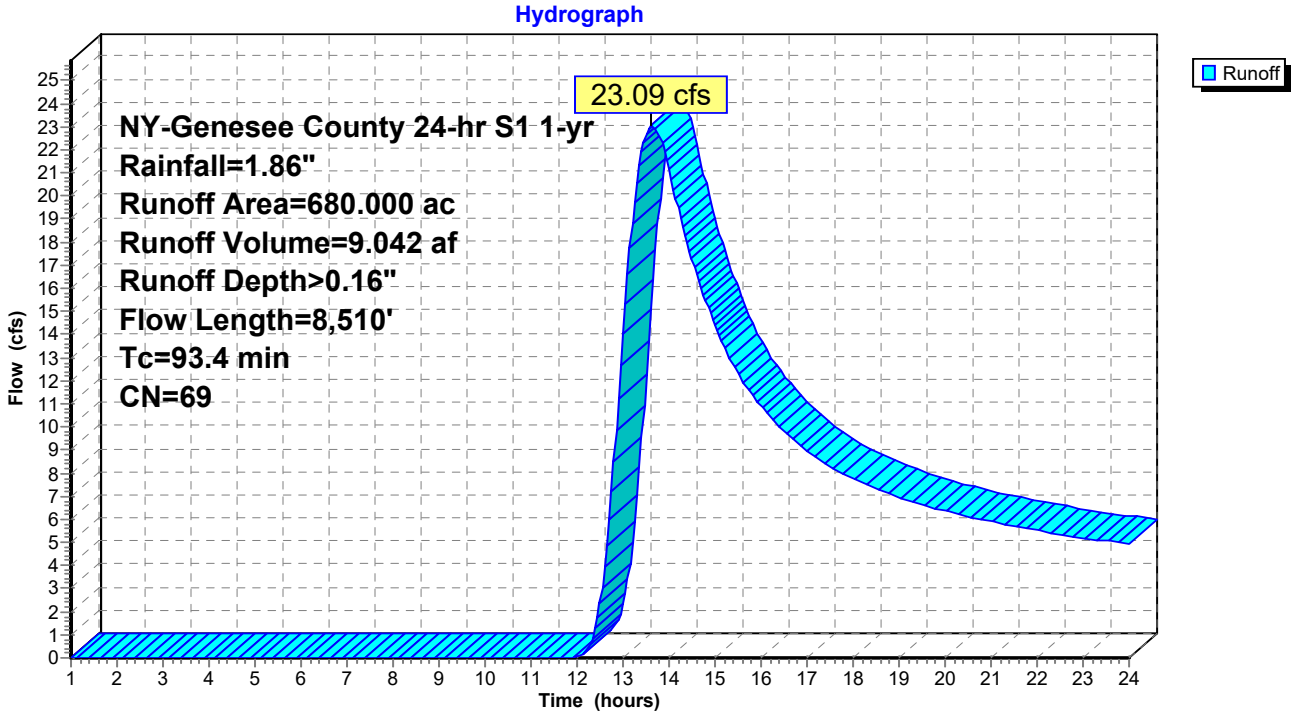
Runoff = 23.09 cfs @ 13.62 hrs, Volume= 9.042 af, Depth> 0.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	680.000	69	
	680.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.1	30	0.3300	0.23		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
64.2	6,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.2	2,160		5.00		**Direct Entry,**
93.4	8,510	Total			

Subcatchment 11S: 11



Summary for Subcatchment 12S: 12

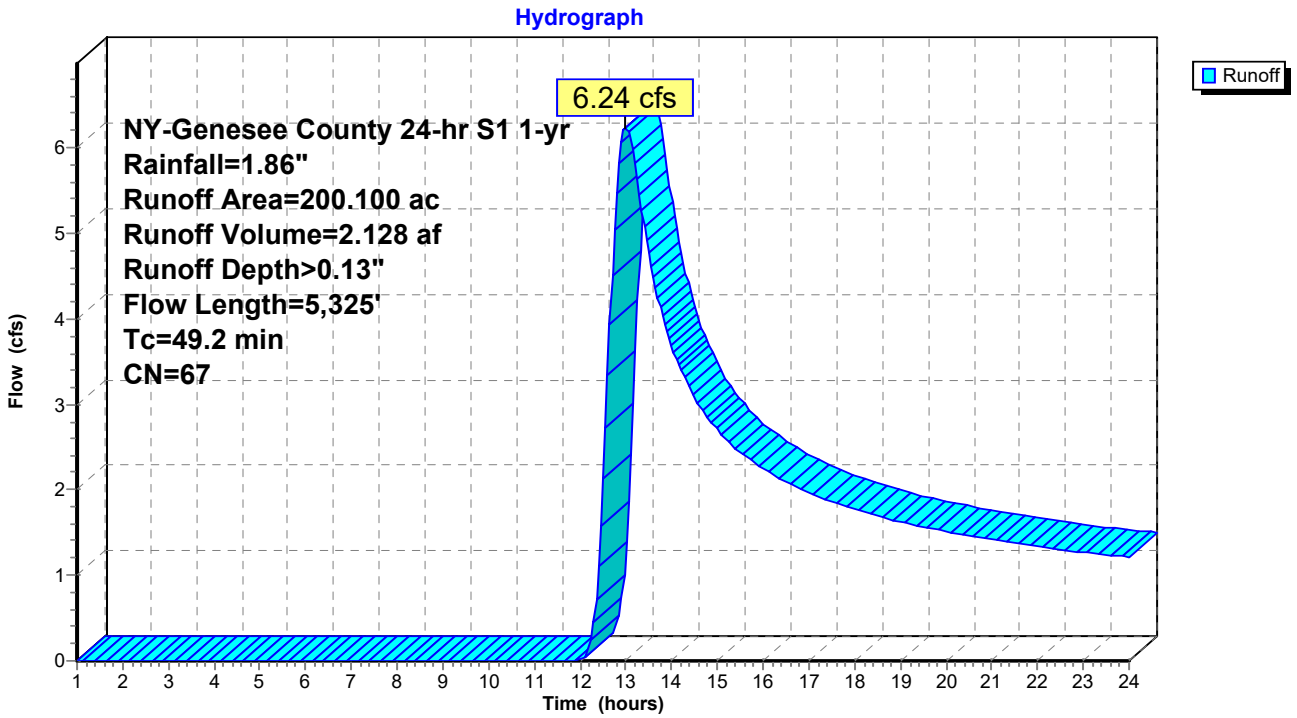
Runoff = 6.24 cfs @ 13.00 hrs, Volume= 2.128 af, Depth> 0.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	200.100	67	
	200.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.6	1,810	0.0800	4.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.2	3,365		5.00		**Direct Entry,**
49.2	5,325	Total			

Subcatchment 12S: 12



Summary for Subcatchment 13S: 13

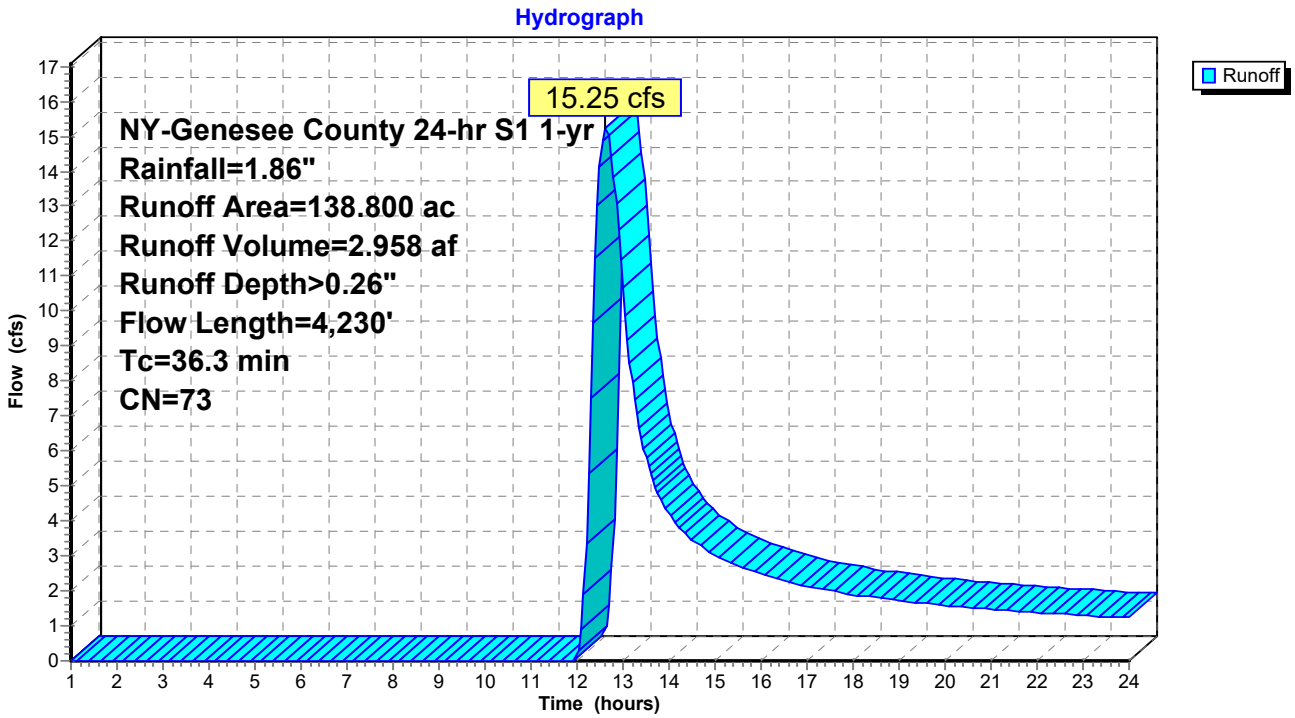
Runoff = 15.25 cfs @ 12.62 hrs, Volume= 2.958 af, Depth> 0.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	138.800	73	
	138.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.6	150	0.0100	0.12		**Sheet Flow,** Grass: Short n= 0.150 P2= 2.20"
2.8	510	0.0350	3.01		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.9	3,570		5.00		**Direct Entry,**
36.3	4,230	Total			

Subcatchment 13S: 13



Summary for Subcatchment 14S: 14

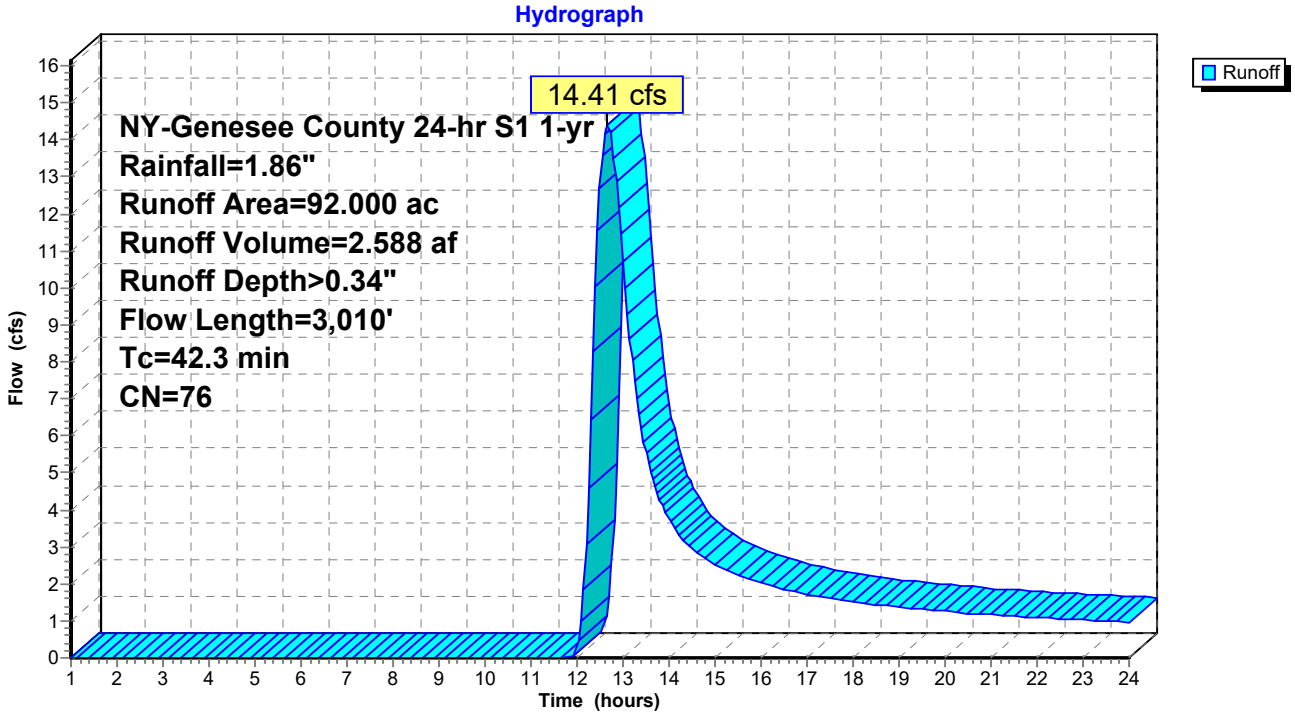
Runoff = 14.41 cfs @ 12.67 hrs, Volume= 2.588 af, Depth> 0.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	92.000	76	
	92.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.8	1,040	0.0500	3.60		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.1	1,820		5.00		**Direct Entry,**
42.3	3,010	Total			

Subcatchment 14S: 14



Summary for Subcatchment 15S: 15

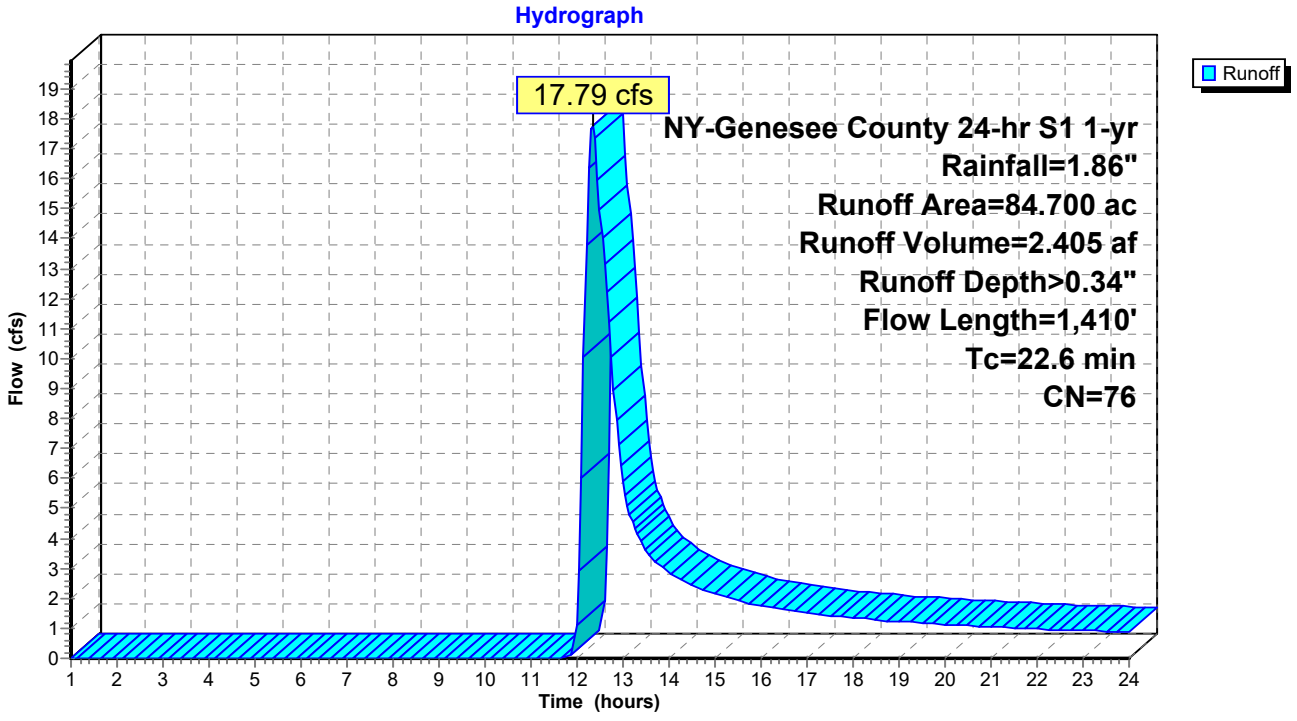
Runoff = 17.79 cfs @ 12.33 hrs, Volume= 2.405 af, Depth> 0.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	84.700	76	
	84.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.1	150	0.0530	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	1,260	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
22.6	1,410	Total			

Subcatchment 15S: 15



Summary for Subcatchment 31BS: 1.2

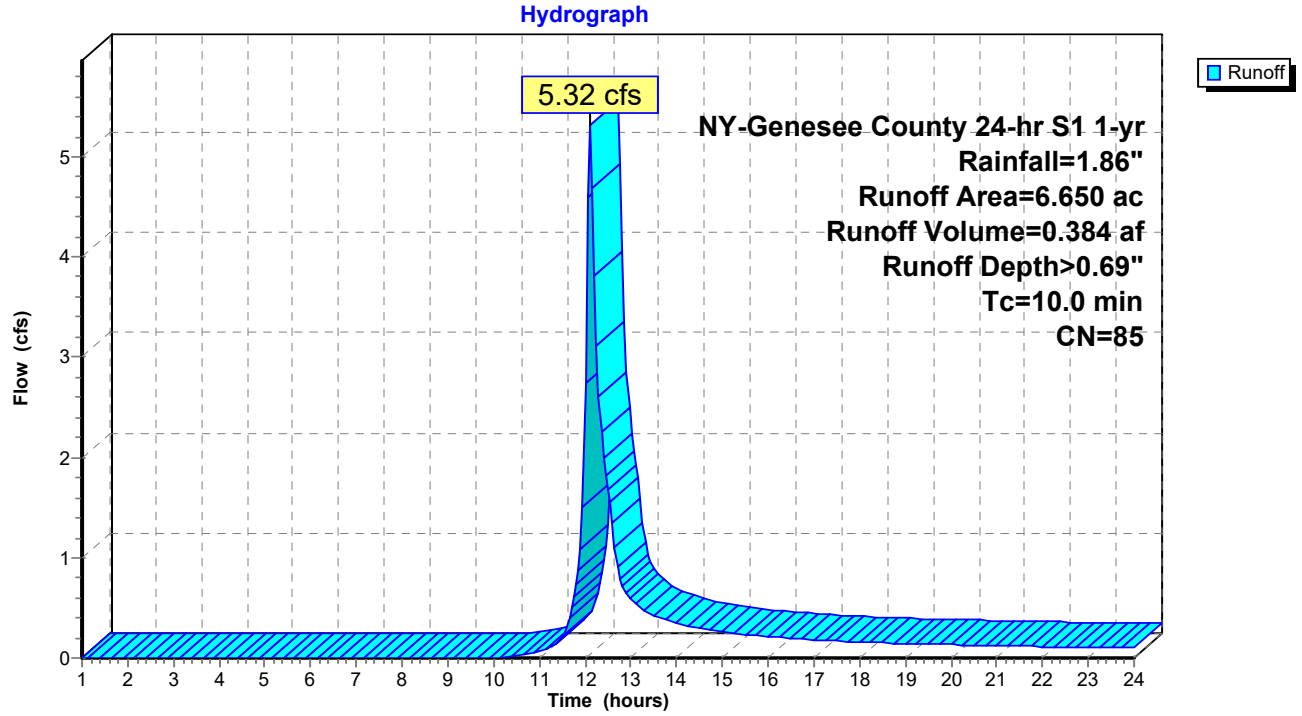
Runoff = 5.32 cfs @ 12.10 hrs, Volume= 0.384 af, Depth> 0.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	6.650	85	
	6.650		100.00% Pervious Area

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

Subcatchment 31BS: 1.2



Summary for Subcatchment 31S: 1.1

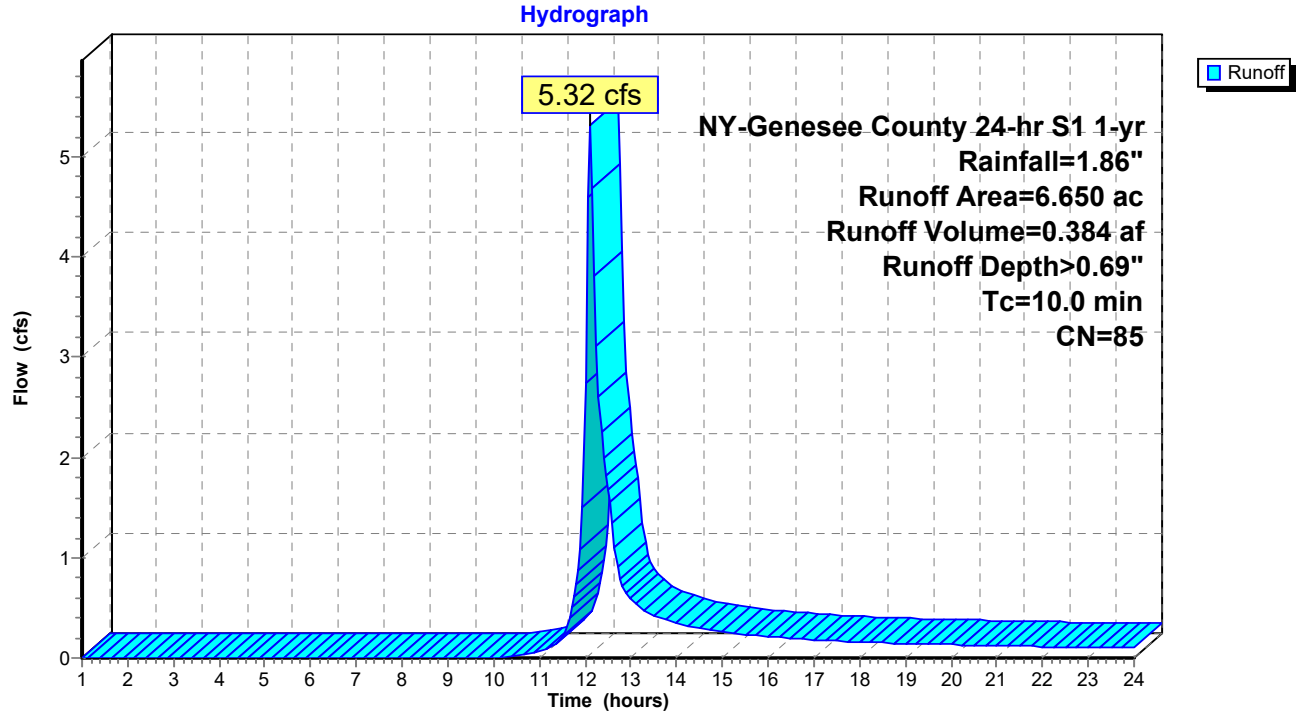
Runoff = 5.32 cfs @ 12.10 hrs, Volume= 0.384 af, Depth> 0.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	6.650	85	
	6.650		100.00% Pervious Area

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

Subcatchment 31S: 1.1



Summary for Subcatchment 32S: 2.1

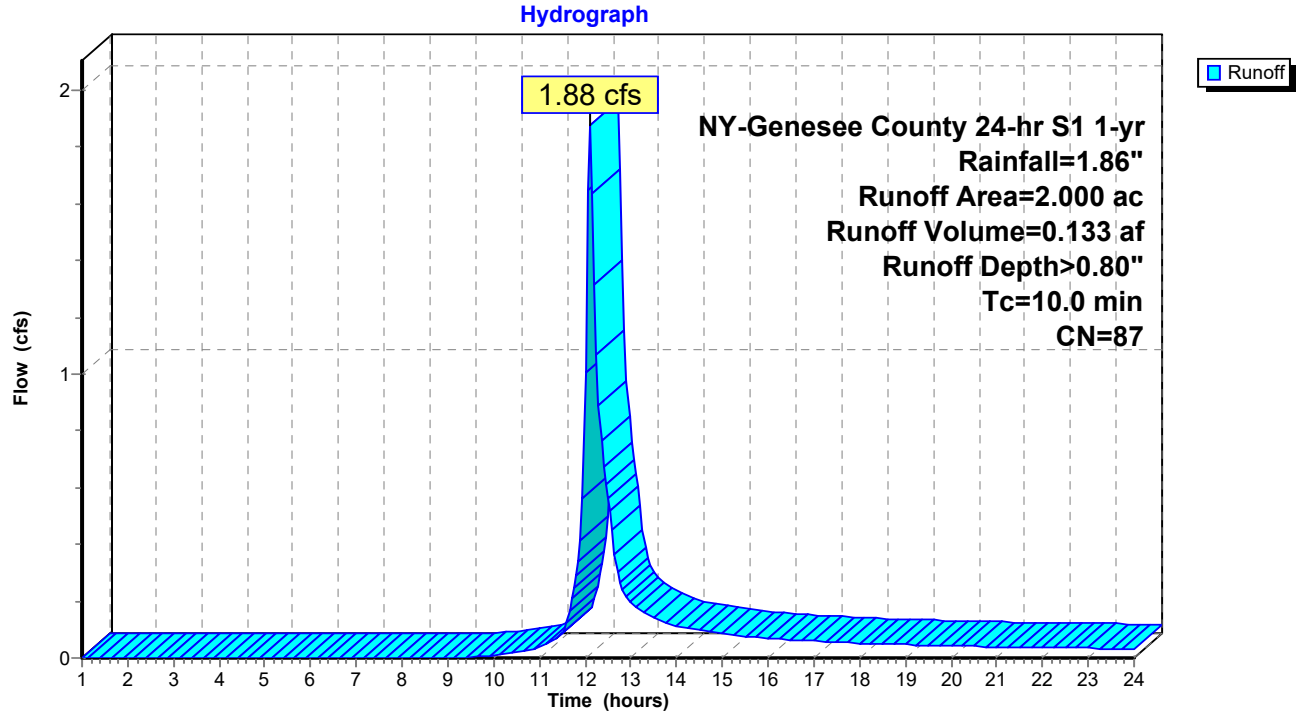
Runoff = 1.88 cfs @ 12.10 hrs, Volume= 0.133 af, Depth> 0.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	2.000	87	
	2.000		100.00% Pervious Area

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

Subcatchment 32S: 2.1



Summary for Subcatchment 33S: 4.1

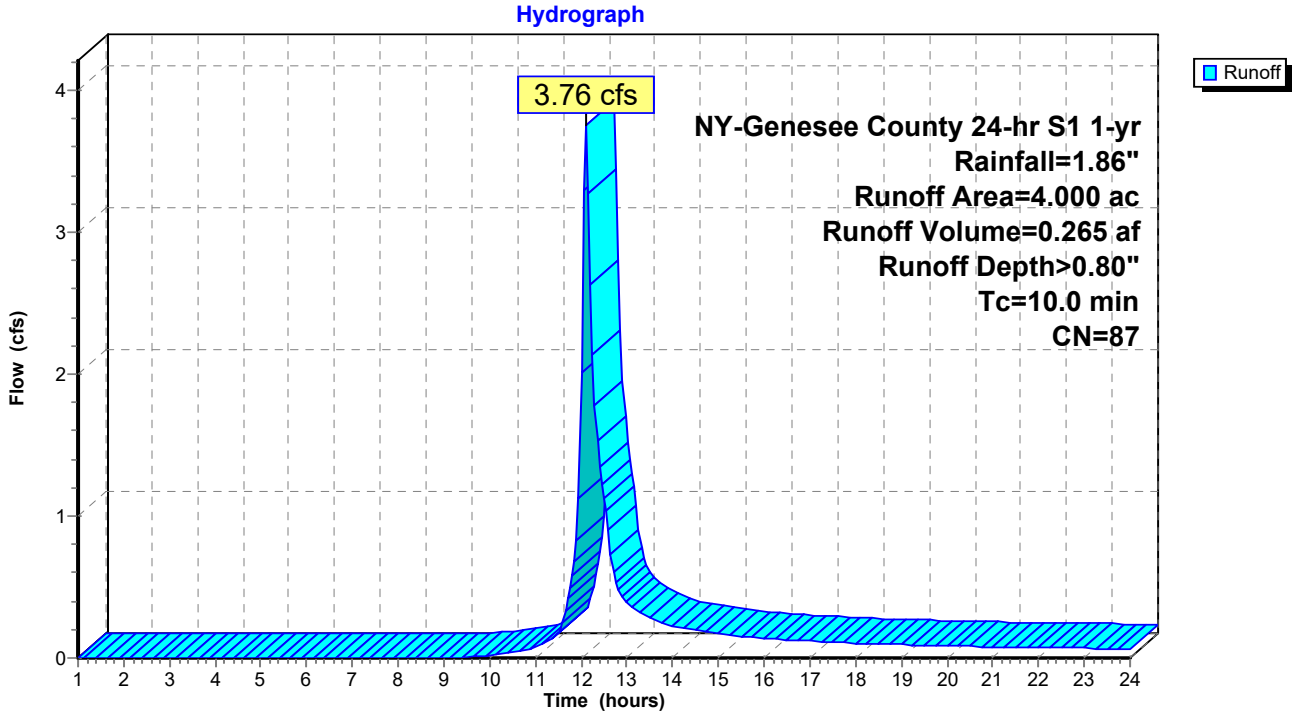
Runoff = 3.76 cfs @ 12.10 hrs, Volume= 0.265 af, Depth> 0.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	4.000	87	
	4.000		100.00% Pervious Area

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

Subcatchment 33S: 4.1



Summary for Subcatchment 34AS: 6.1

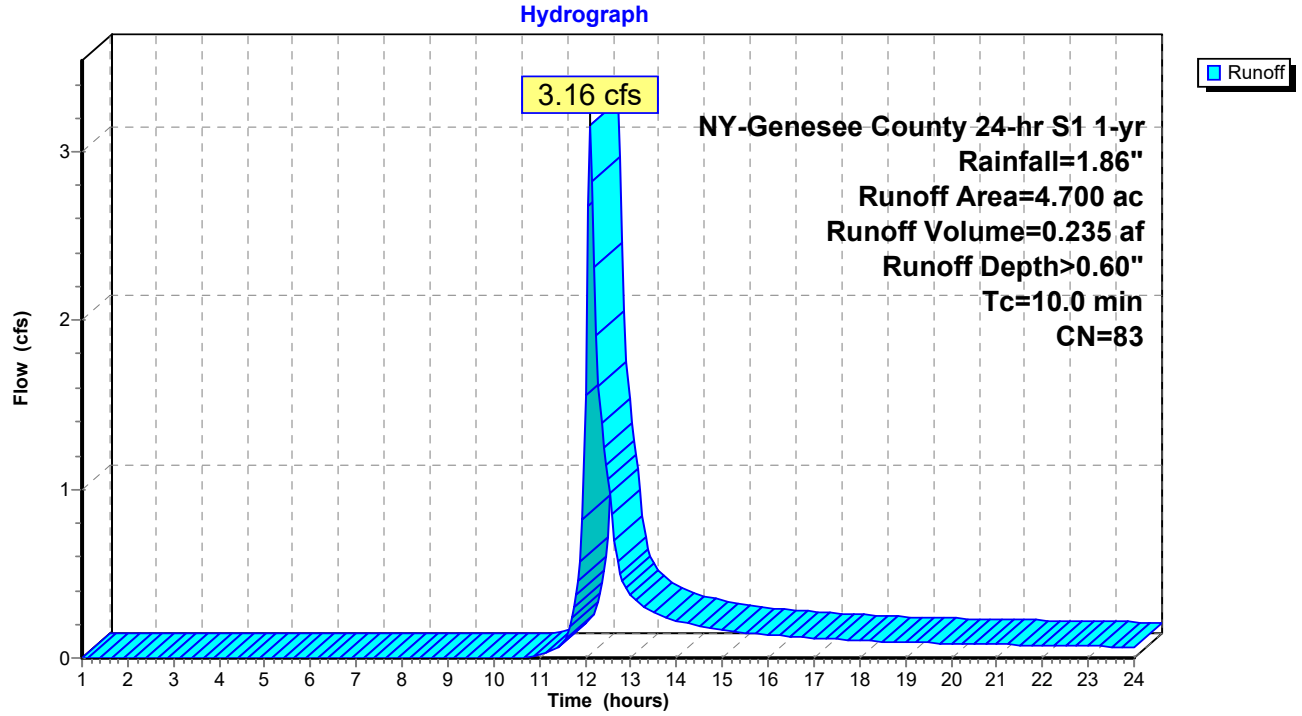
Runoff = 3.16 cfs @ 12.10 hrs, Volume= 0.235 af, Depth> 0.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	4.700	83	
	4.700		100.00% Pervious Area

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

Subcatchment 34AS: 6.1



Summary for Subcatchment 34BS: 6.2

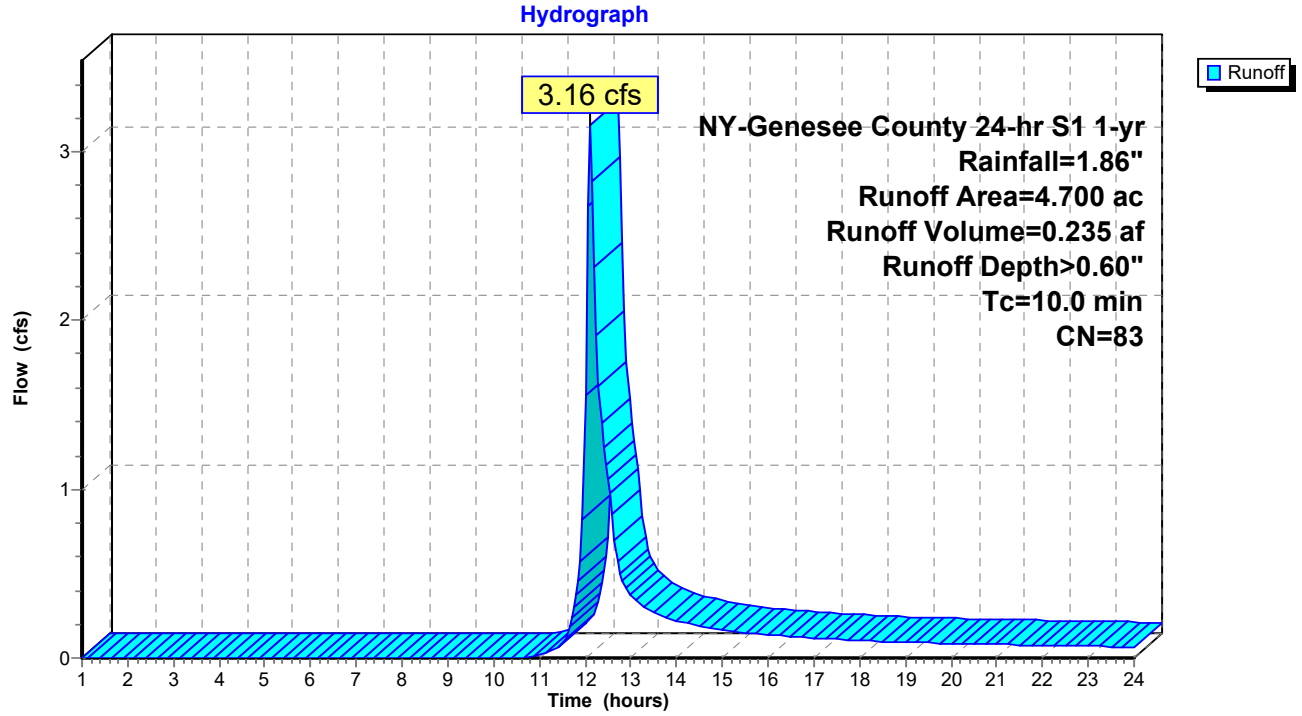
Runoff = 3.16 cfs @ 12.10 hrs, Volume= 0.235 af, Depth> 0.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	4.700	83	
	4.700		100.00% Pervious Area

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

Subcatchment 34BS: 6.2



Summary for Subcatchment 35S: 7.1

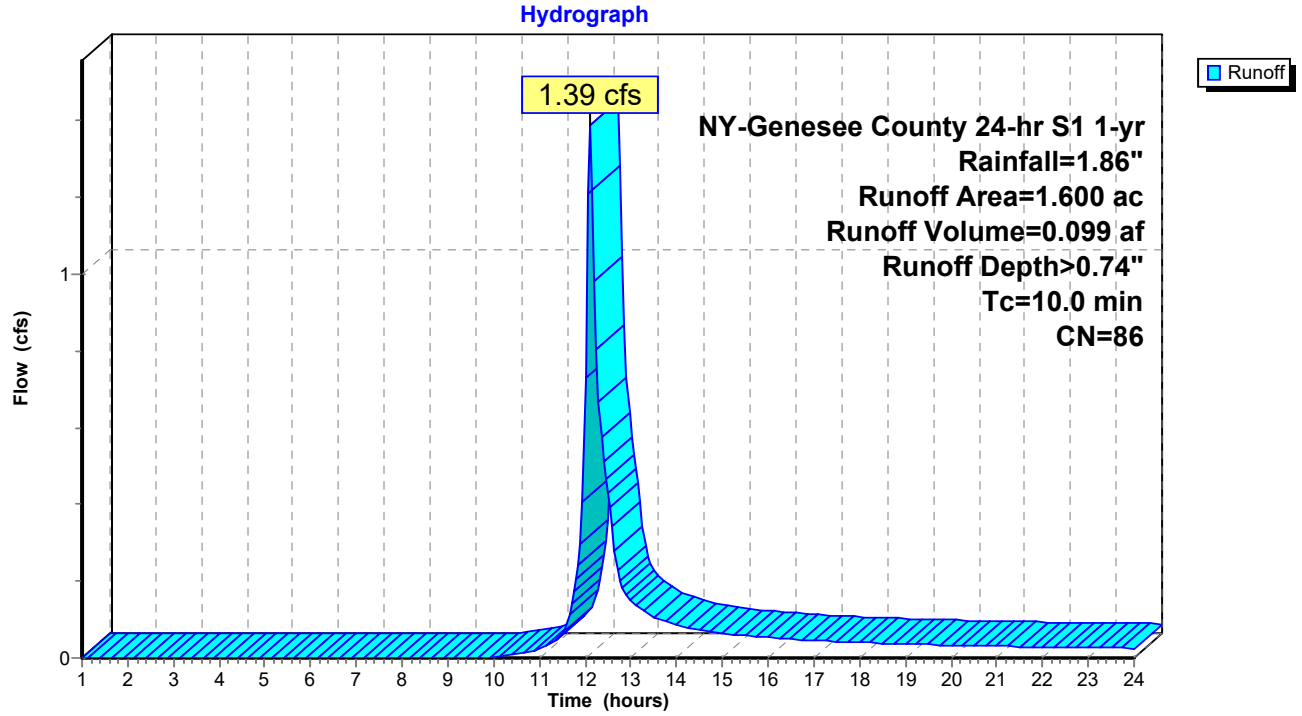
Runoff = 1.39 cfs @ 12.10 hrs, Volume= 0.099 af, Depth> 0.74"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	1.600	86	
	1.600		100.00% Pervious Area

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

Subcatchment 35S: 7.1



Summary for Subcatchment 36AS: 8.1

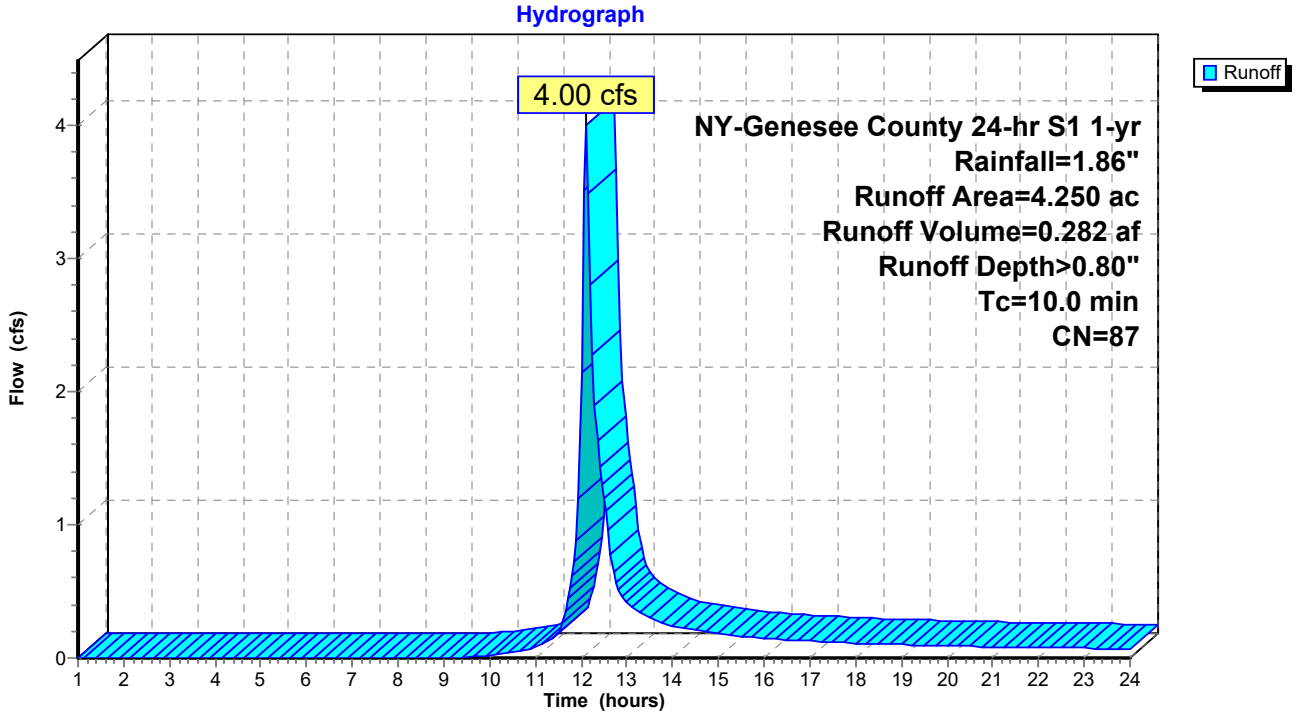
Runoff = 4.00 cfs @ 12.10 hrs, Volume= 0.282 af, Depth> 0.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	4.250	87	
	4.250		100.00% Pervious Area

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

Subcatchment 36AS: 8.1



Summary for Subcatchment 36BS: 8.2

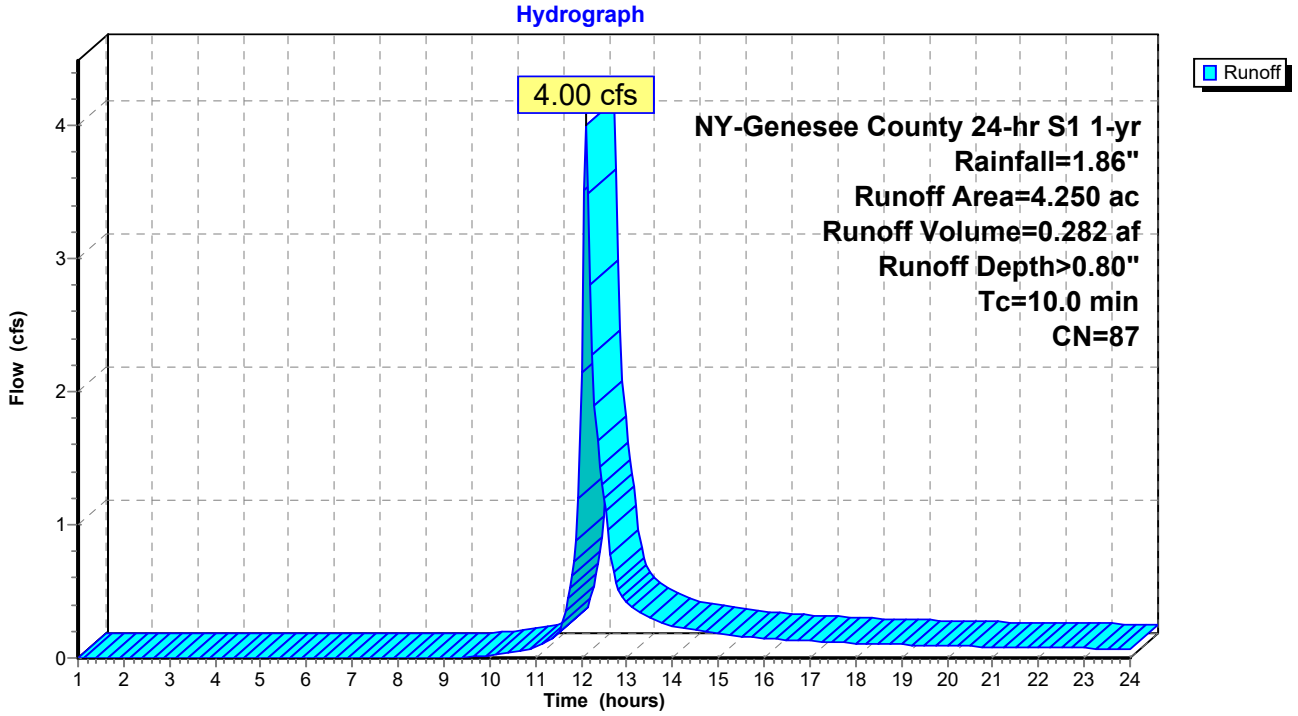
Runoff = 4.00 cfs @ 12.10 hrs, Volume= 0.282 af, Depth> 0.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	4.250	87	
	4.250		100.00% Pervious Area

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

Subcatchment 36BS: 8.2



Summary for Subcatchment 37S: 9.1

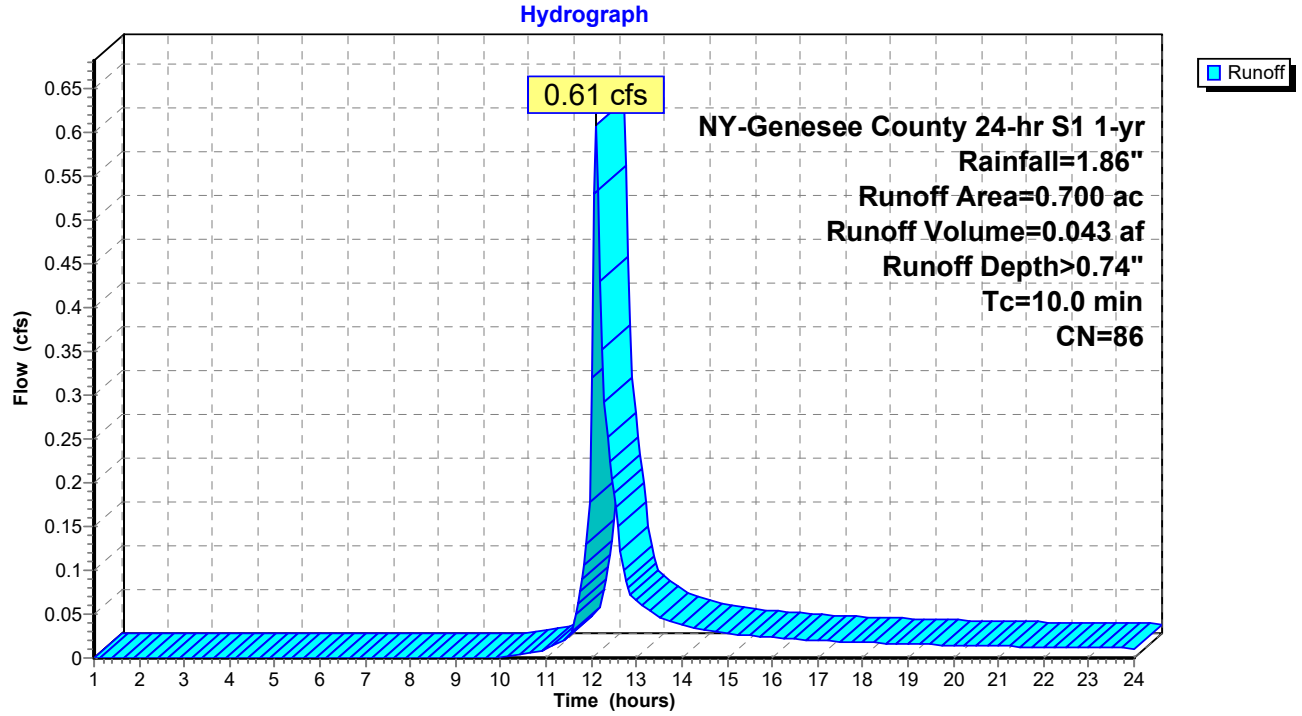
Runoff = 0.61 cfs @ 12.10 hrs, Volume= 0.043 af, Depth> 0.74"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	0.700	86	
	0.700		100.00% Pervious Area

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

Subcatchment 37S: 9.1



Summary for Subcatchment 38S: 10.1

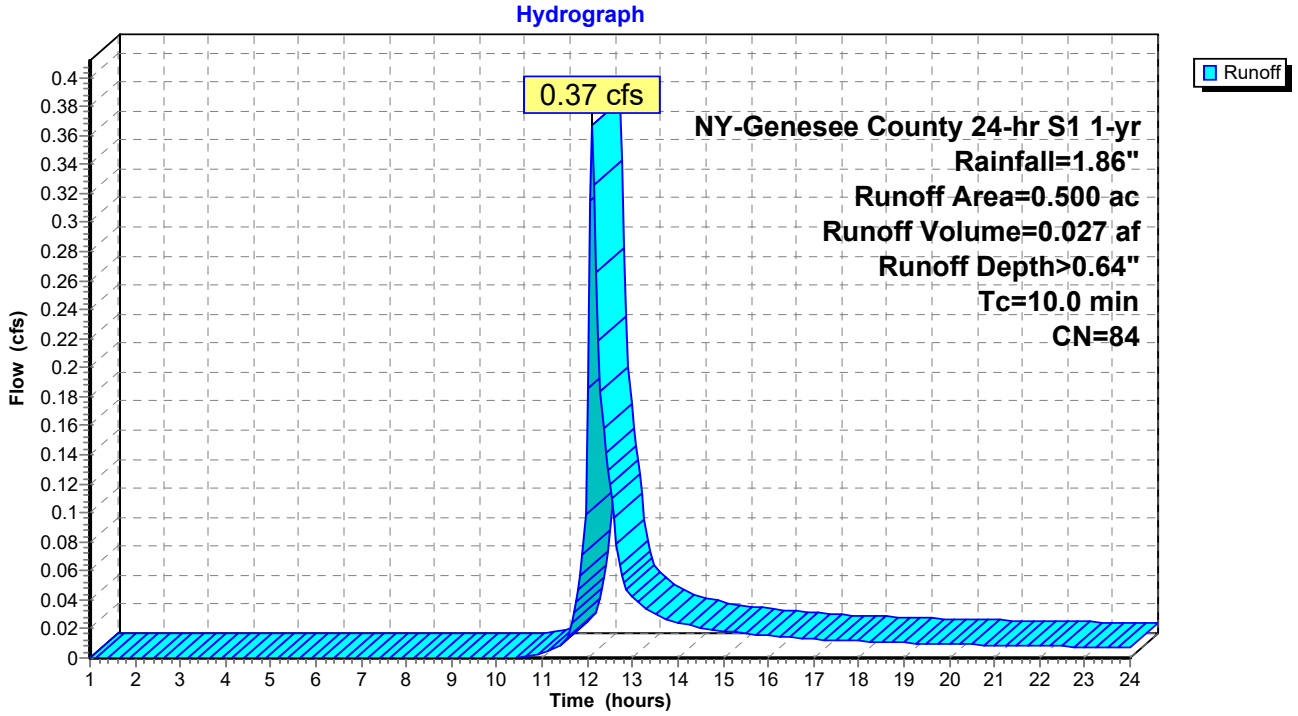
Runoff = 0.37 cfs @ 12.10 hrs, Volume= 0.027 af, Depth> 0.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	0.500	84	
	0.500		100.00% Pervious Area

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

Subcatchment 38S: 10.1



Summary for Subcatchment 39S: 11.1

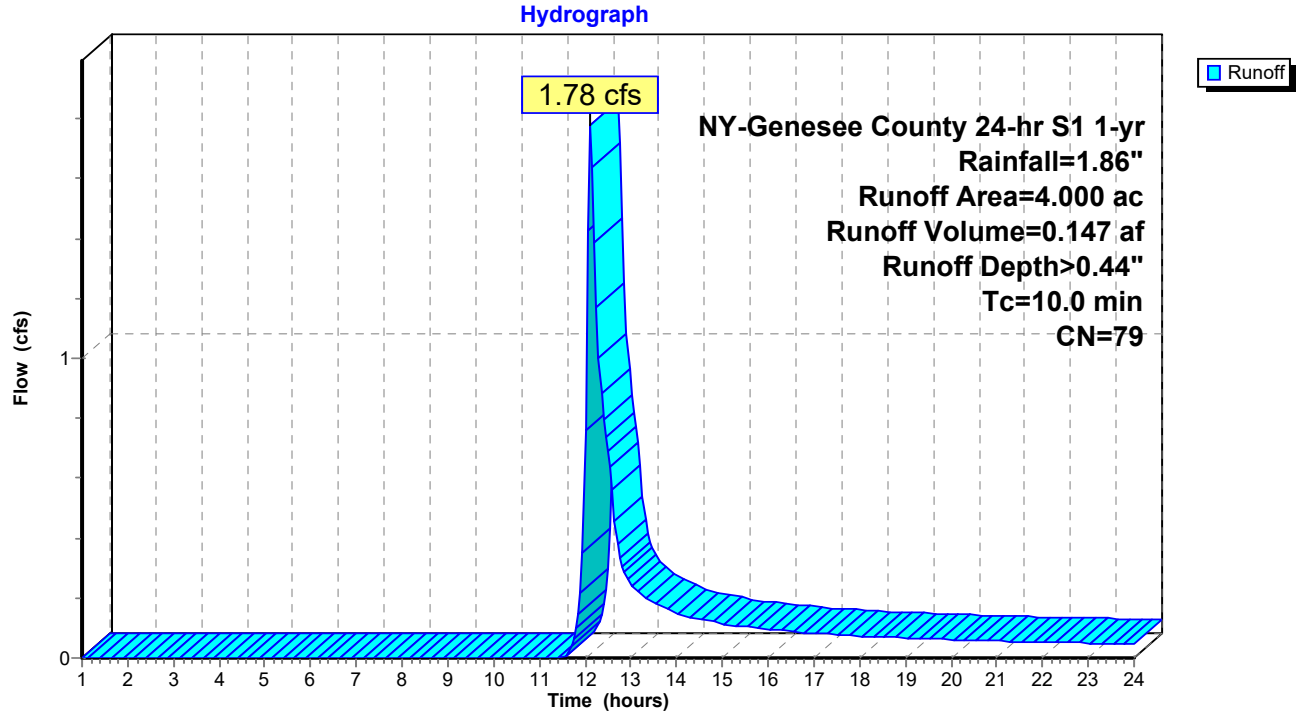
Runoff = 1.78 cfs @ 12.11 hrs, Volume= 0.147 af, Depth> 0.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	4.000	79	
	4.000		100.00% Pervious Area

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

Subcatchment 39S: 11.1



Summary for Subcatchment 40S: 12.1

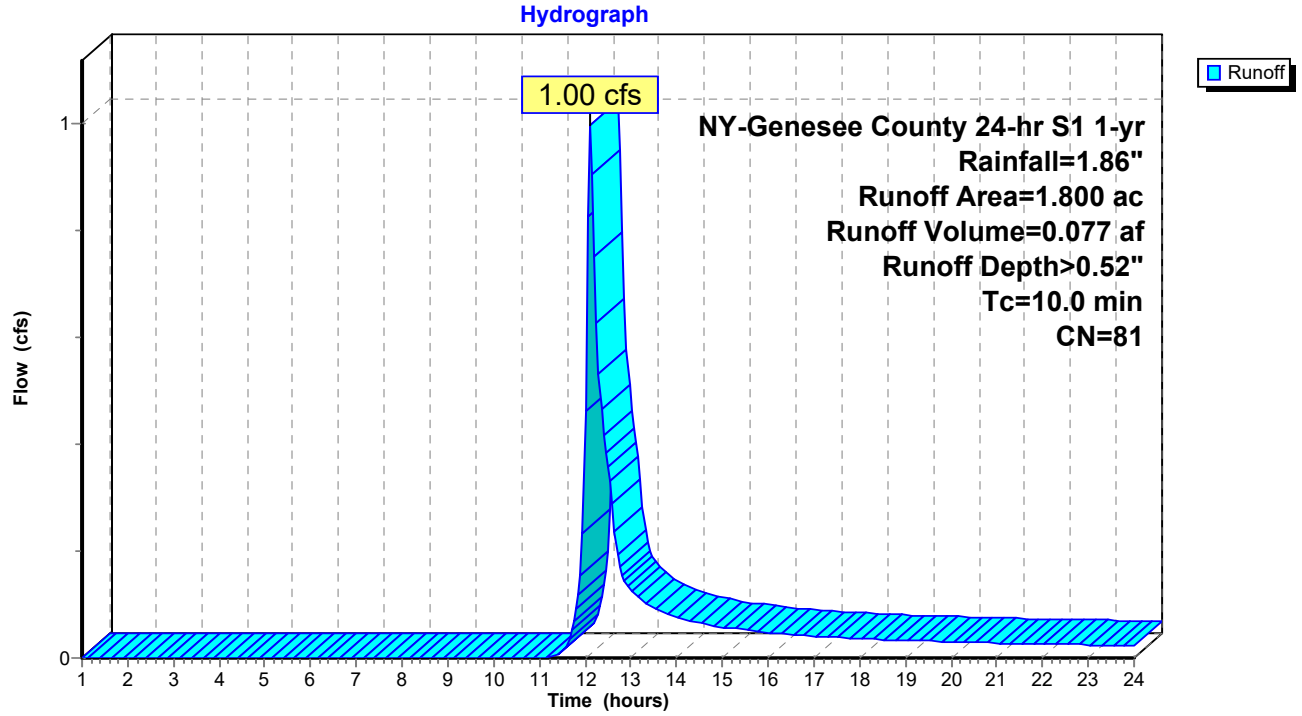
Runoff = 1.00 cfs @ 12.11 hrs, Volume= 0.077 af, Depth> 0.52"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	1.800	81	
	1.800		100.00% Pervious Area

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

Subcatchment 40S: 12.1



Summary for Subcatchment 41S: 13.1

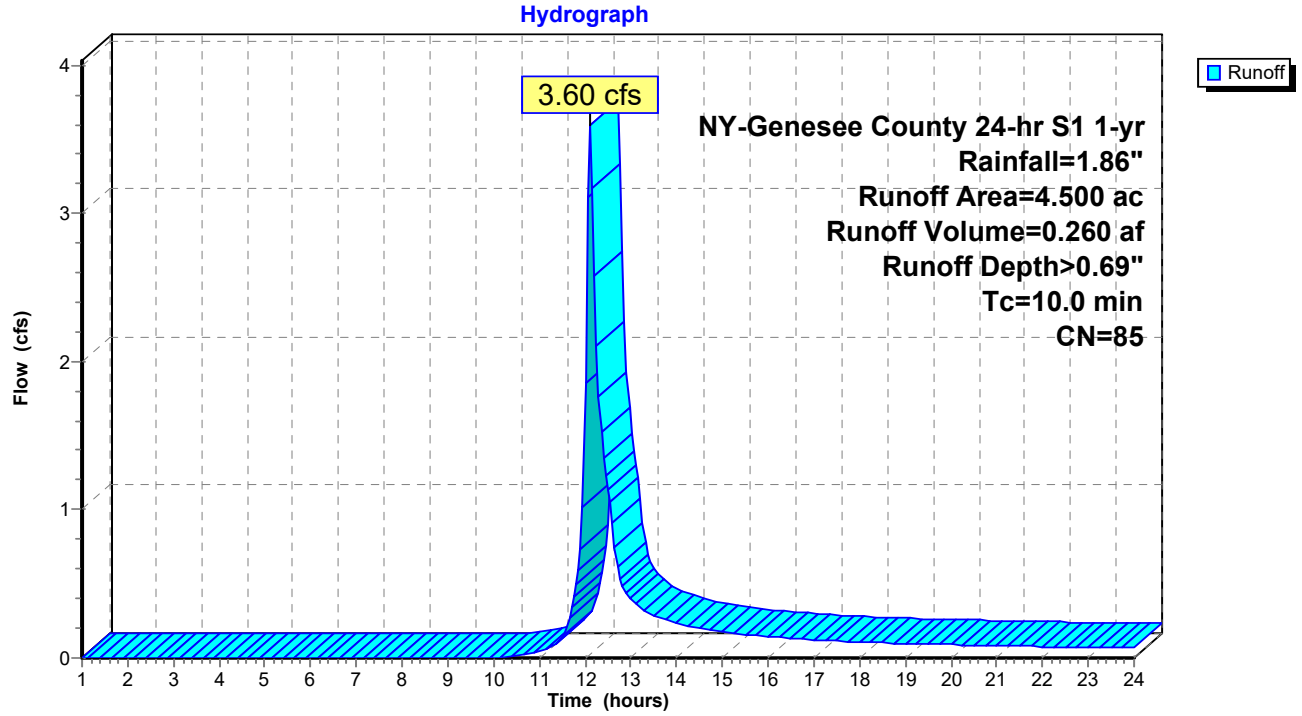
Runoff = 3.60 cfs @ 12.10 hrs, Volume= 0.260 af, Depth> 0.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	4.500	85	
	4.500		100.00% Pervious Area

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

Subcatchment 41S: 13.1



Summary for Subcatchment 42S: 14.1

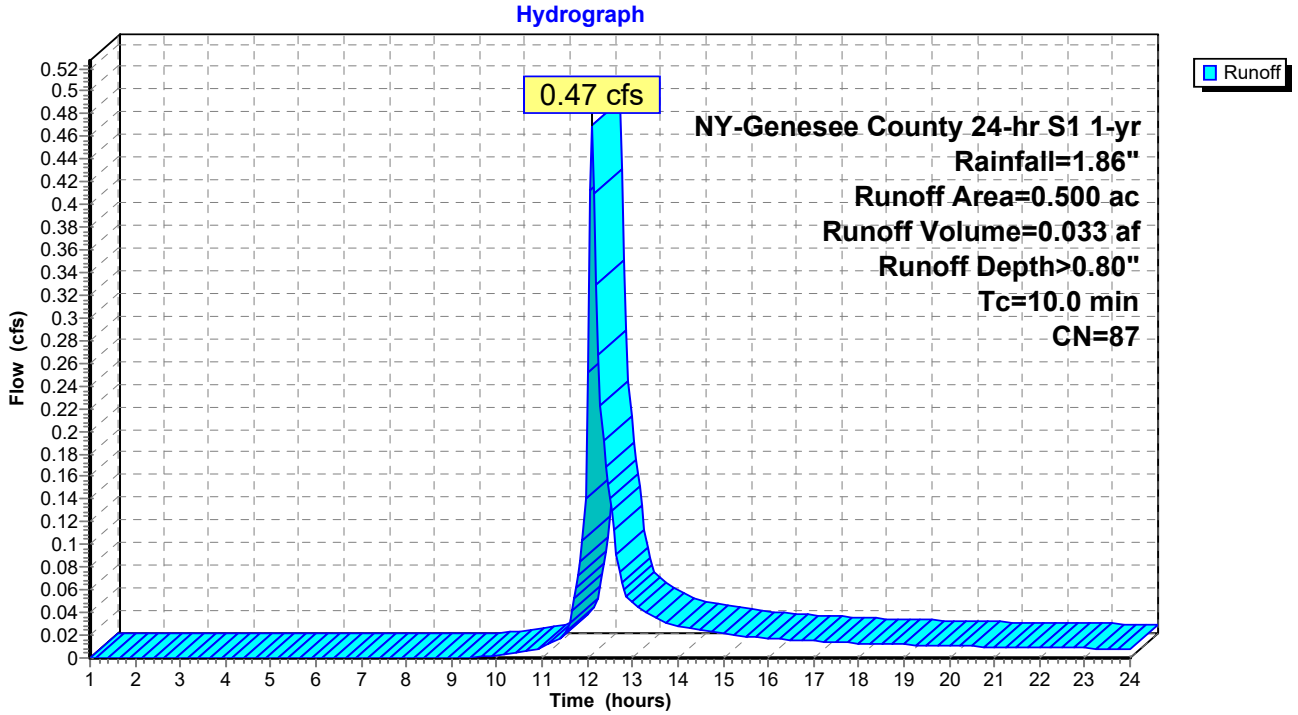
Runoff = 0.47 cfs @ 12.10 hrs, Volume= 0.033 af, Depth> 0.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	0.500	87	
	0.500		100.00% Pervious Area

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

Subcatchment 42S: 14.1



Summary for Subcatchment 43S: 15.1

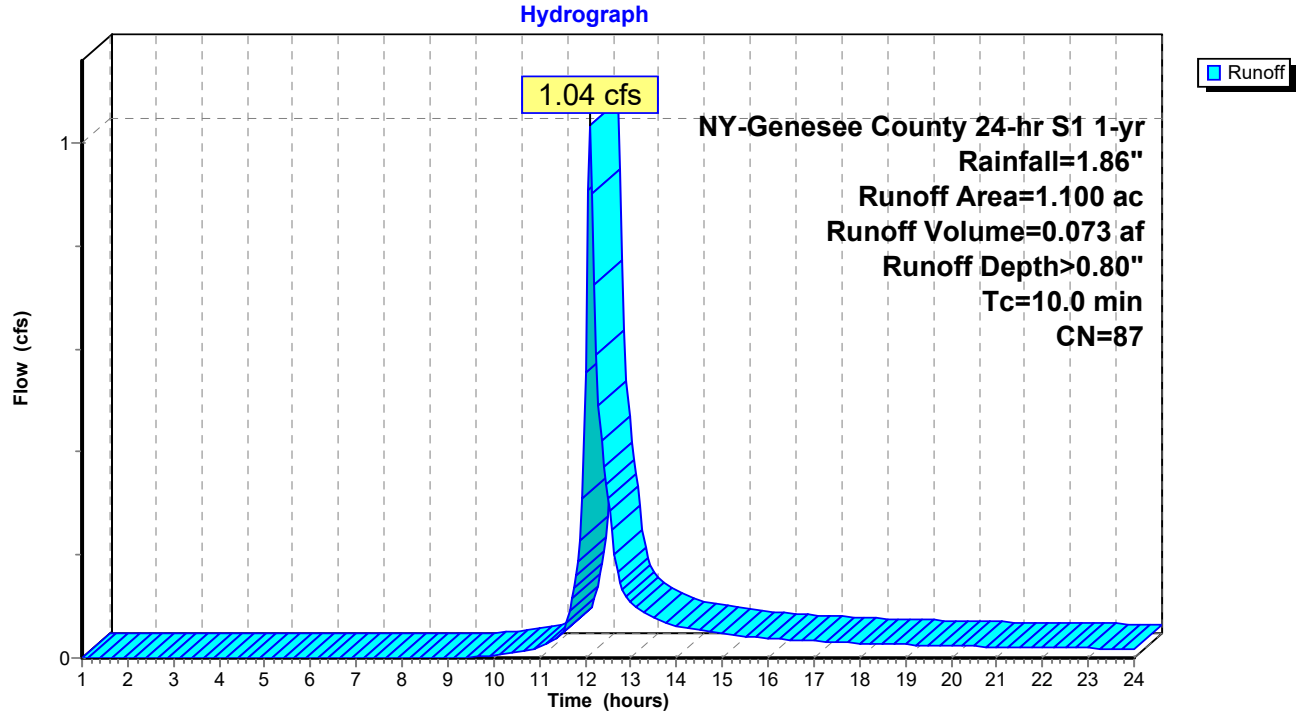
Runoff = 1.04 cfs @ 12.10 hrs, Volume= 0.073 af, Depth> 0.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	1.100	87	
	1.100		100.00% Pervious Area

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

Subcatchment 43S: 15.1



Summary for Pond 1AP: Dry Swale 1.1

Inflow Area = 6.650 ac, 0.00% Impervious, Inflow Depth > 0.69" for 1-yr event
Inflow = 5.32 cfs @ 12.10 hrs, Volume= 0.384 af
Outflow = 0.56 cfs @ 13.03 hrs, Volume= 0.382 af, Atten= 89%, Lag= 55.8 min
Discarded = 0.56 cfs @ 13.03 hrs, Volume= 0.382 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.15' @ 13.03 hrs Surf.Area= 1.088 ac Storage= 0.150 af

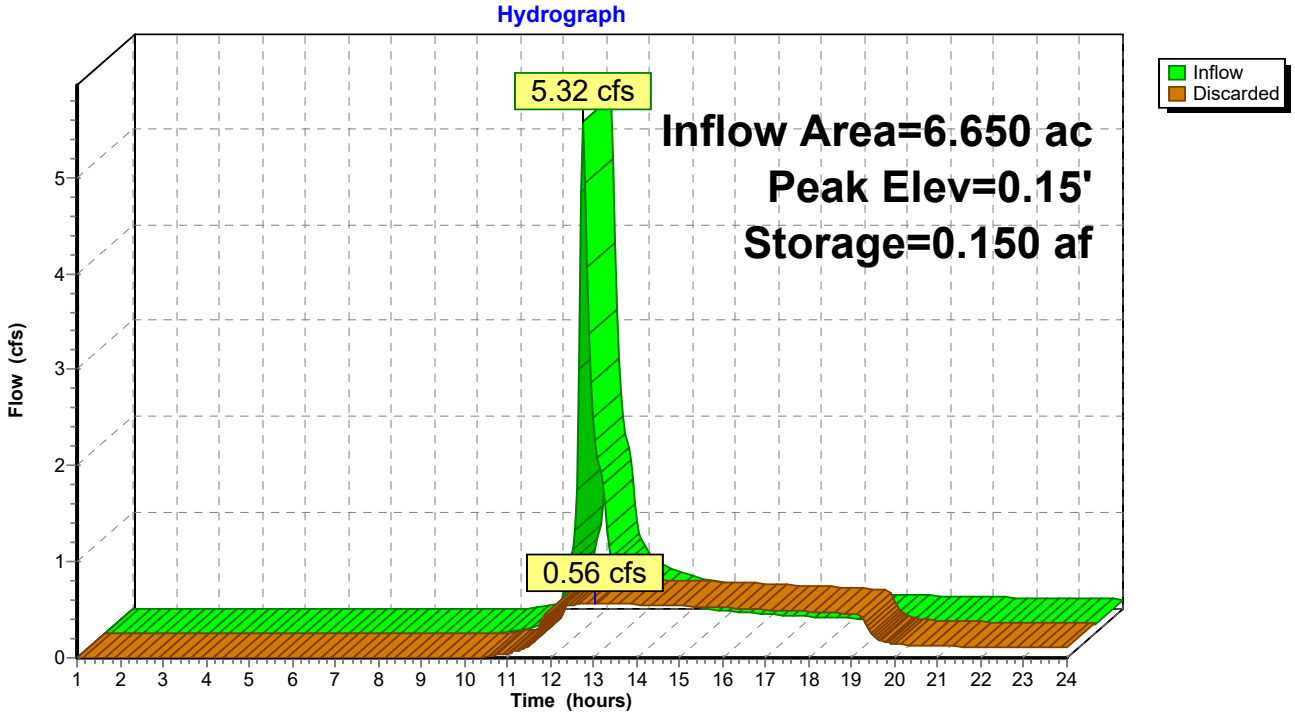
Plug-Flow detention time= 107.7 min calculated for 0.381 af (99% of inflow)
Center-of-Mass det. time= 104.5 min (967.7 - 863.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.551 af	**4.00'W x 9,650.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.56 cfs @ 13.03 hrs HW=0.15' (Free Discharge)
1=Exfiltration (Controls 0.56 cfs)

Pond 1AP: Dry Swale 1.1



Summary for Pond 1BP: Dry Swale 1.2

Inflow Area = 6.650 ac, 0.00% Impervious, Inflow Depth > 0.69" for 1-yr event
Inflow = 5.32 cfs @ 12.10 hrs, Volume= 0.384 af
Outflow = 0.56 cfs @ 13.03 hrs, Volume= 0.382 af, Atten= 89%, Lag= 55.8 min
Discarded = 0.56 cfs @ 13.03 hrs, Volume= 0.382 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.15' @ 13.03 hrs Surf.Area= 1.088 ac Storage= 0.150 af

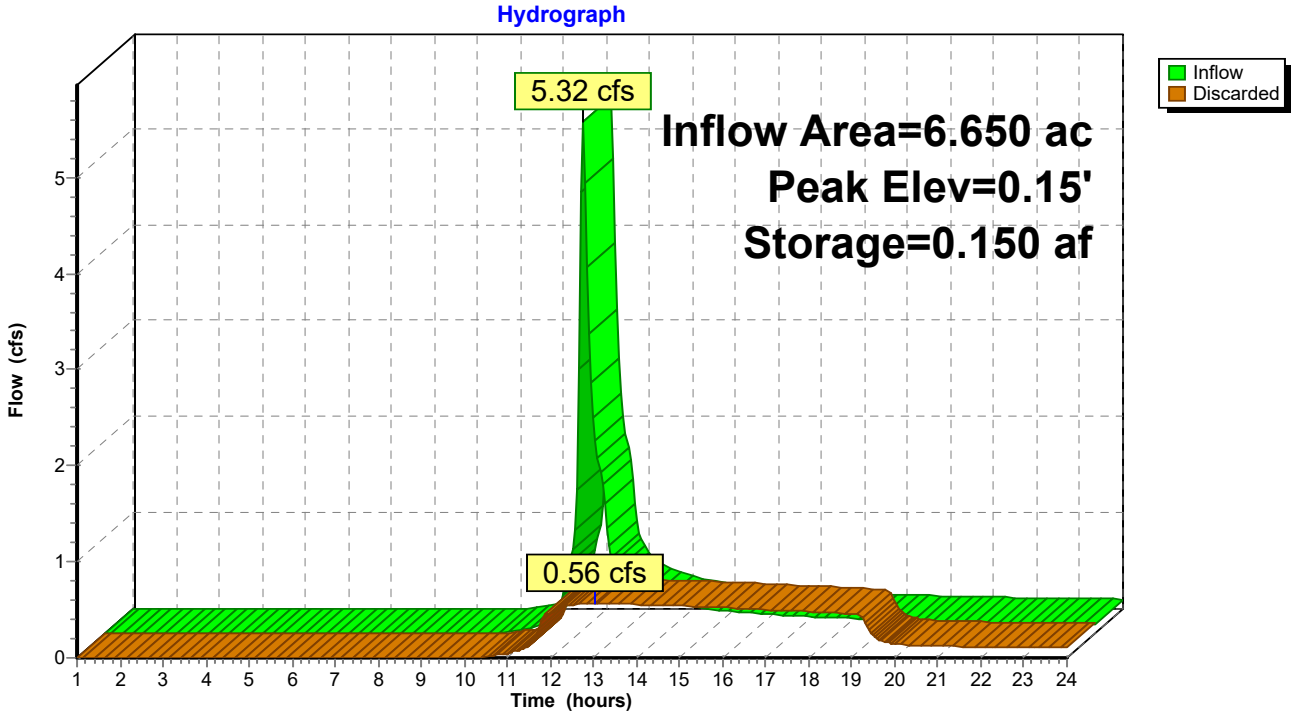
Plug-Flow detention time= 107.7 min calculated for 0.381 af (99% of inflow)
Center-of-Mass det. time= 104.5 min (967.7 - 863.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.551 af	**4.00'W x 9,650.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.56 cfs @ 13.03 hrs HW=0.15' (Free Discharge)
1=Exfiltration (Controls 0.56 cfs)

Pond 1BP: Dry Swale 1.2



Summary for Pond 2P: Dry Swale 2

Inflow Area = 2.000 ac, 0.00% Impervious, Inflow Depth > 0.80" for 1-yr event
Inflow = 1.88 cfs @ 12.10 hrs, Volume= 0.133 af
Outflow = 0.18 cfs @ 13.11 hrs, Volume= 0.132 af, Atten= 91%, Lag= 60.8 min
Discarded = 0.18 cfs @ 13.11 hrs, Volume= 0.132 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.18' @ 13.11 hrs Surf.Area= 0.339 ac Storage= 0.055 af

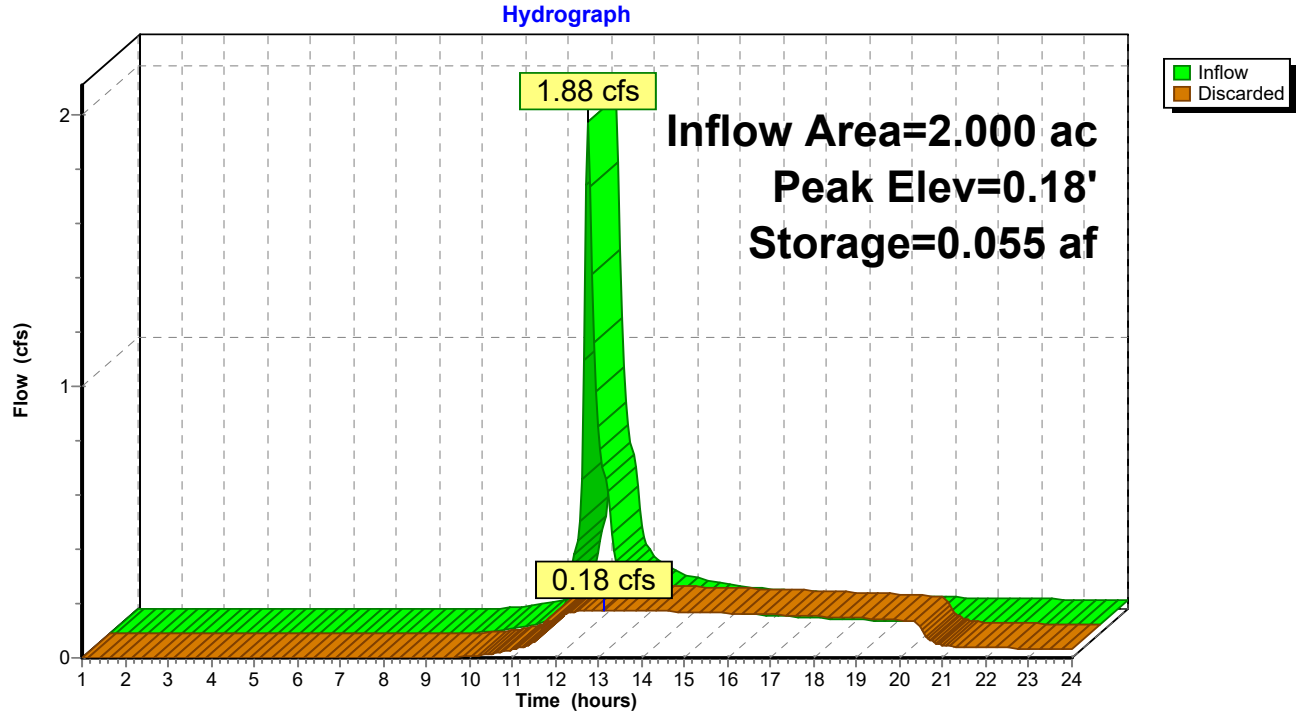
Plug-Flow detention time= 129.3 min calculated for 0.132 af (100% of inflow)
Center-of-Mass det. time= 126.5 min (980.1 - 853.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.467 af	**4.00'W x 2,900.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.18 cfs @ 13.11 hrs HW=0.18' (Free Discharge)
1=Exfiltration (Controls 0.18 cfs)

Pond 2P: Dry Swale 2



Summary for Pond 4P: Dry Swale 4

Inflow Area = 4.000 ac, 0.00% Impervious, Inflow Depth > 0.80" for 1-yr event
Inflow = 3.76 cfs @ 12.10 hrs, Volume= 0.265 af
Outflow = 0.35 cfs @ 13.11 hrs, Volume= 0.264 af, Atten= 91%, Lag= 60.8 min
Discarded = 0.35 cfs @ 13.11 hrs, Volume= 0.264 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.18' @ 13.11 hrs Surf.Area= 0.678 ac Storage= 0.110 af

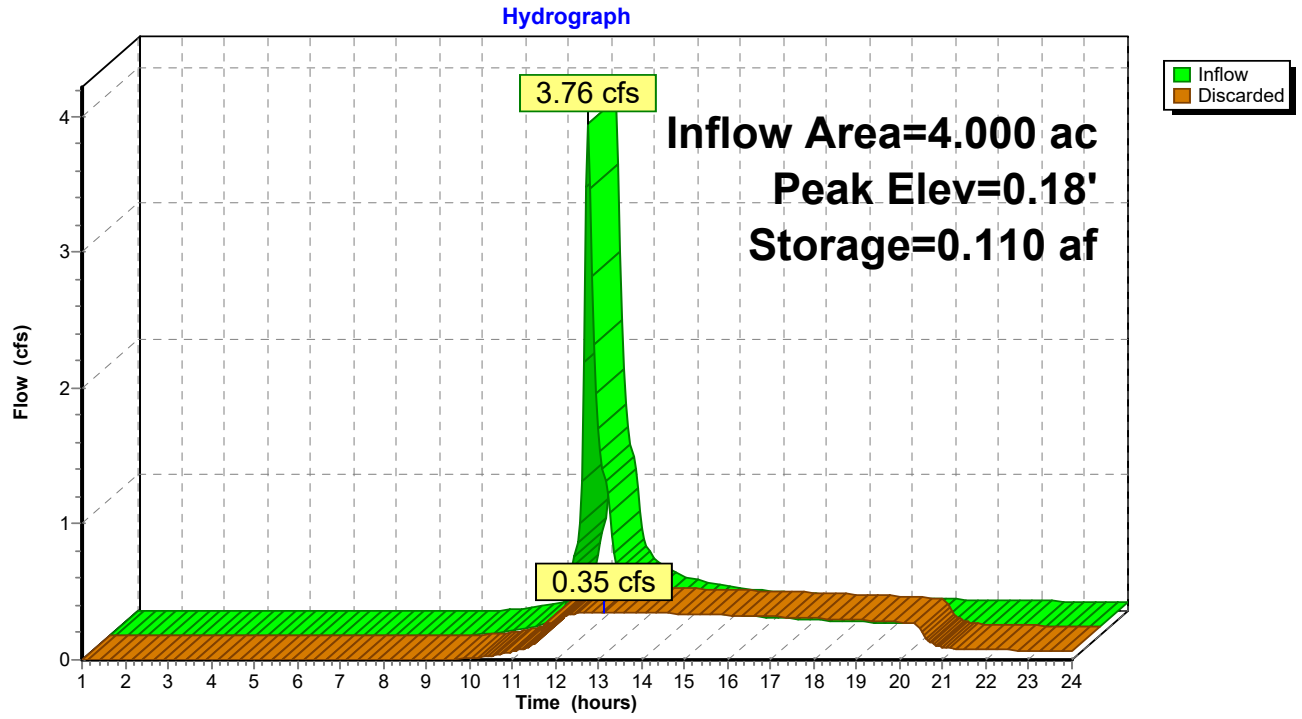
Plug-Flow detention time= 129.3 min calculated for 0.264 af (100% of inflow)
Center-of-Mass det. time= 126.5 min (980.2 - 853.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.933 af	**4.00'W x 5,800.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.35 cfs @ 13.11 hrs HW=0.18' (Free Discharge)
1=Exfiltration (Controls 0.35 cfs)

Pond 4P: Dry Swale 4



Summary for Pond 6AP: Dry Swale 6.1

Inflow Area = 4.700 ac, 0.00% Impervious, Inflow Depth > 0.60" for 1-yr event
Inflow = 3.16 cfs @ 12.10 hrs, Volume= 0.235 af
Outflow = 0.38 cfs @ 12.95 hrs, Volume= 0.233 af, Atten= 88%, Lag= 50.8 min
Discarded = 0.38 cfs @ 12.95 hrs, Volume= 0.233 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.13' @ 12.95 hrs Surf.Area= 0.744 ac Storage= 0.086 af

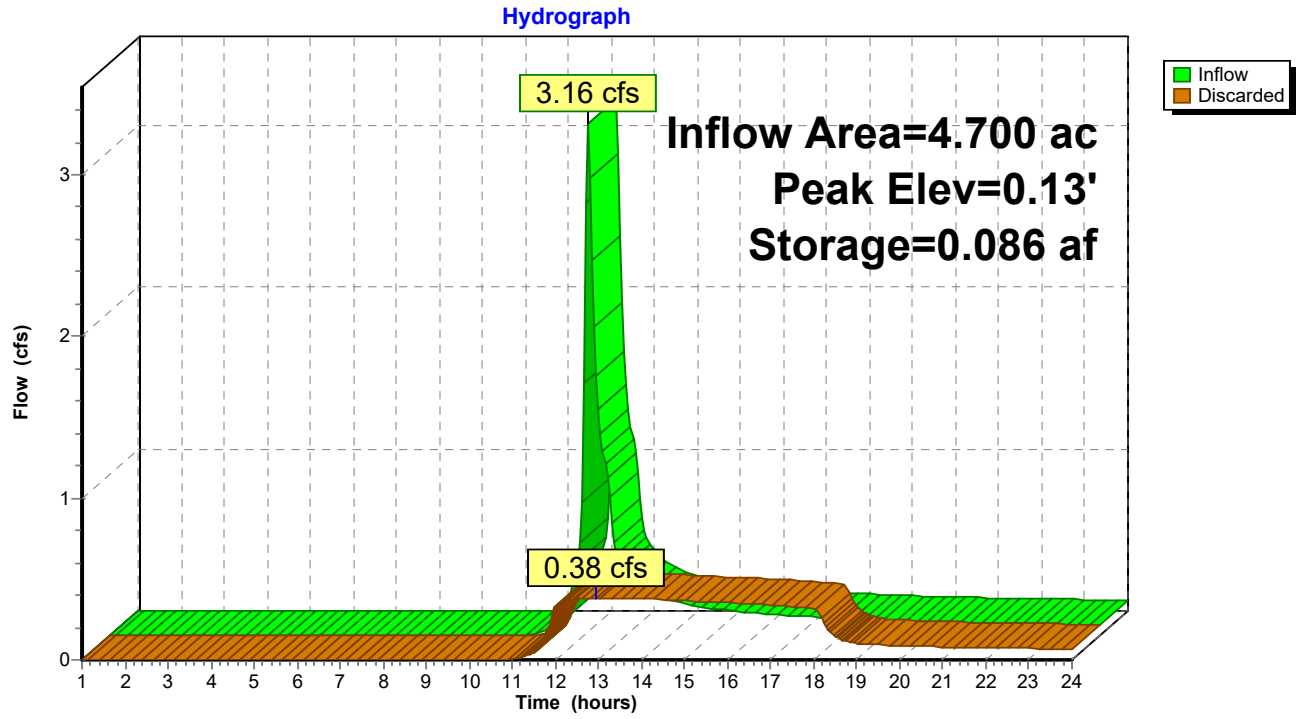
Plug-Flow detention time= 87.2 min calculated for 0.233 af (99% of inflow)
Center-of-Mass det. time= 84.1 min (956.7 - 872.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.097 af	**4.00'W x 6,820.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.38 cfs @ 12.95 hrs HW=0.13' (Free Discharge)
1=Exfiltration (Controls 0.38 cfs)

Pond 6AP: Dry Swale 6.1



Summary for Pond 6BP: Dry Swale 6.2

Inflow Area = 4.700 ac, 0.00% Impervious, Inflow Depth > 0.60" for 1-yr event
Inflow = 3.16 cfs @ 12.10 hrs, Volume= 0.235 af
Outflow = 0.38 cfs @ 12.95 hrs, Volume= 0.233 af, Atten= 88%, Lag= 50.8 min
Discarded = 0.38 cfs @ 12.95 hrs, Volume= 0.233 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.13' @ 12.95 hrs Surf.Area= 0.744 ac Storage= 0.086 af

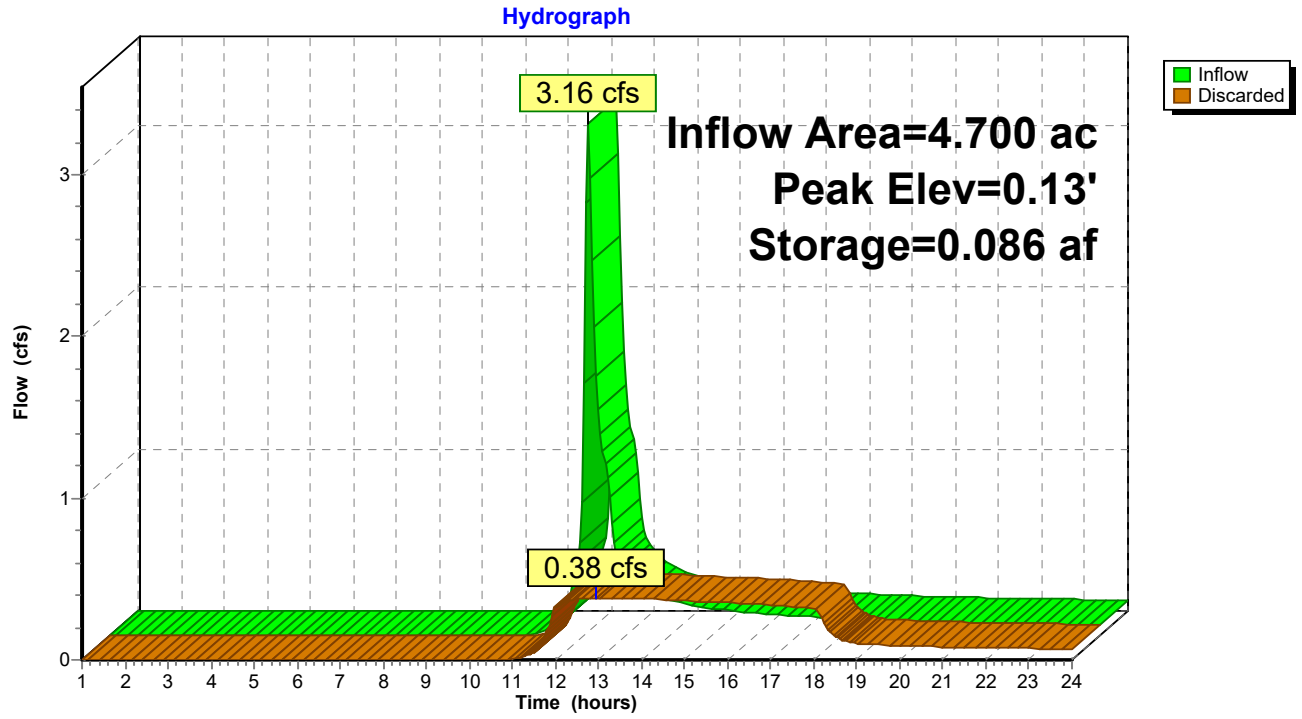
Plug-Flow detention time= 87.2 min calculated for 0.233 af (99% of inflow)
Center-of-Mass det. time= 84.1 min (956.7 - 872.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.097 af	**4.00'W x 6,820.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.38 cfs @ 12.95 hrs HW=0.13' (Free Discharge)
1=Exfiltration (Controls 0.38 cfs)

Pond 6BP: Dry Swale 6.2



Summary for Pond 7P: Dry Swale 7

Inflow Area = 1.600 ac, 0.00% Impervious, Inflow Depth > 0.74" for 1-yr event
Inflow = 1.39 cfs @ 12.10 hrs, Volume= 0.099 af
Outflow = 0.14 cfs @ 13.07 hrs, Volume= 0.099 af, Atten= 90%, Lag= 58.3 min
Discarded = 0.14 cfs @ 13.07 hrs, Volume= 0.099 af

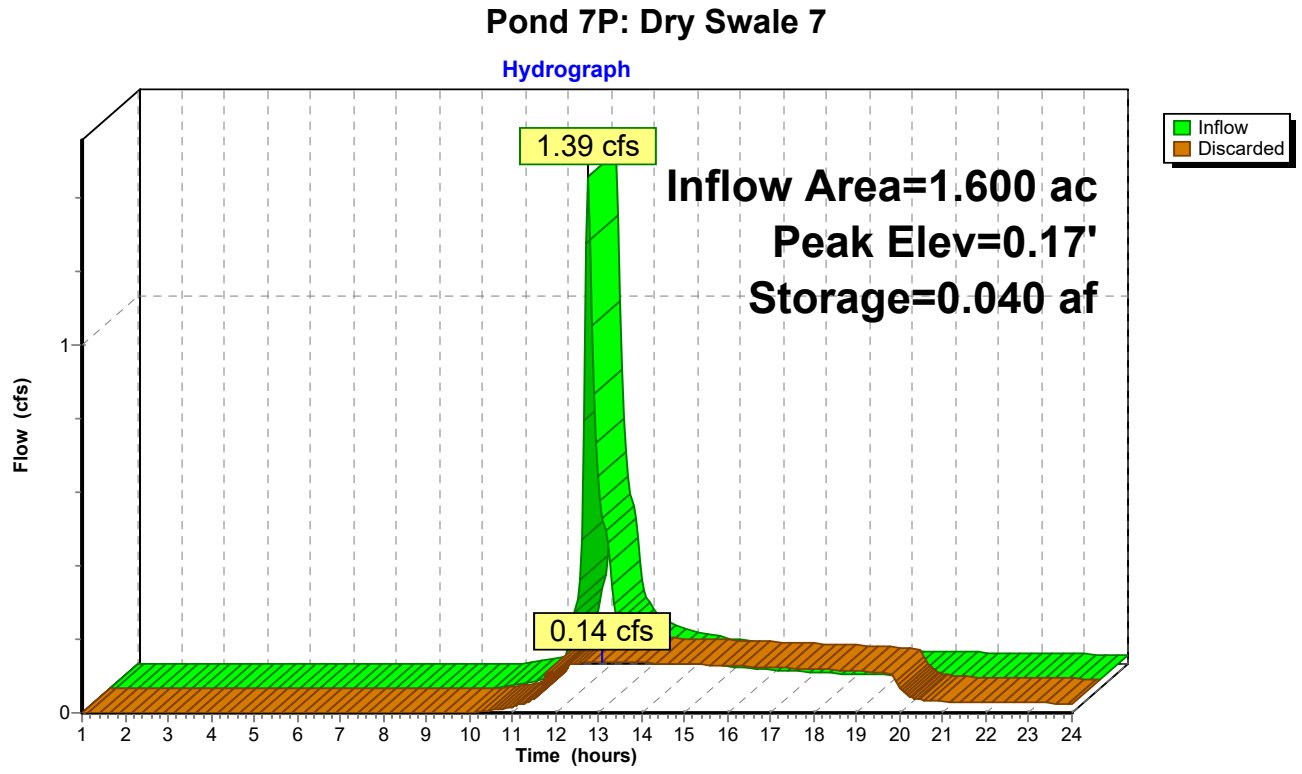
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.17' @ 13.07 hrs Surf.Area= 0.266 ac Storage= 0.040 af

Plug-Flow detention time= 118.2 min calculated for 0.099 af (99% of inflow)
Center-of-Mass det. time= 115.4 min (973.8 - 858.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.373 af	**4.00'W x 2,320.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.14 cfs @ 13.07 hrs HW=0.17' (Free Discharge)
1=Exfiltration (Controls 0.14 cfs)



Summary for Pond 8AP: Dry Swale 8.1

Inflow Area = 4.250 ac, 0.00% Impervious, Inflow Depth > 0.80" for 1-yr event
Inflow = 4.00 cfs @ 12.10 hrs, Volume= 0.282 af
Outflow = 0.37 cfs @ 13.11 hrs, Volume= 0.280 af, Atten= 91%, Lag= 60.7 min
Discarded = 0.37 cfs @ 13.11 hrs, Volume= 0.280 af

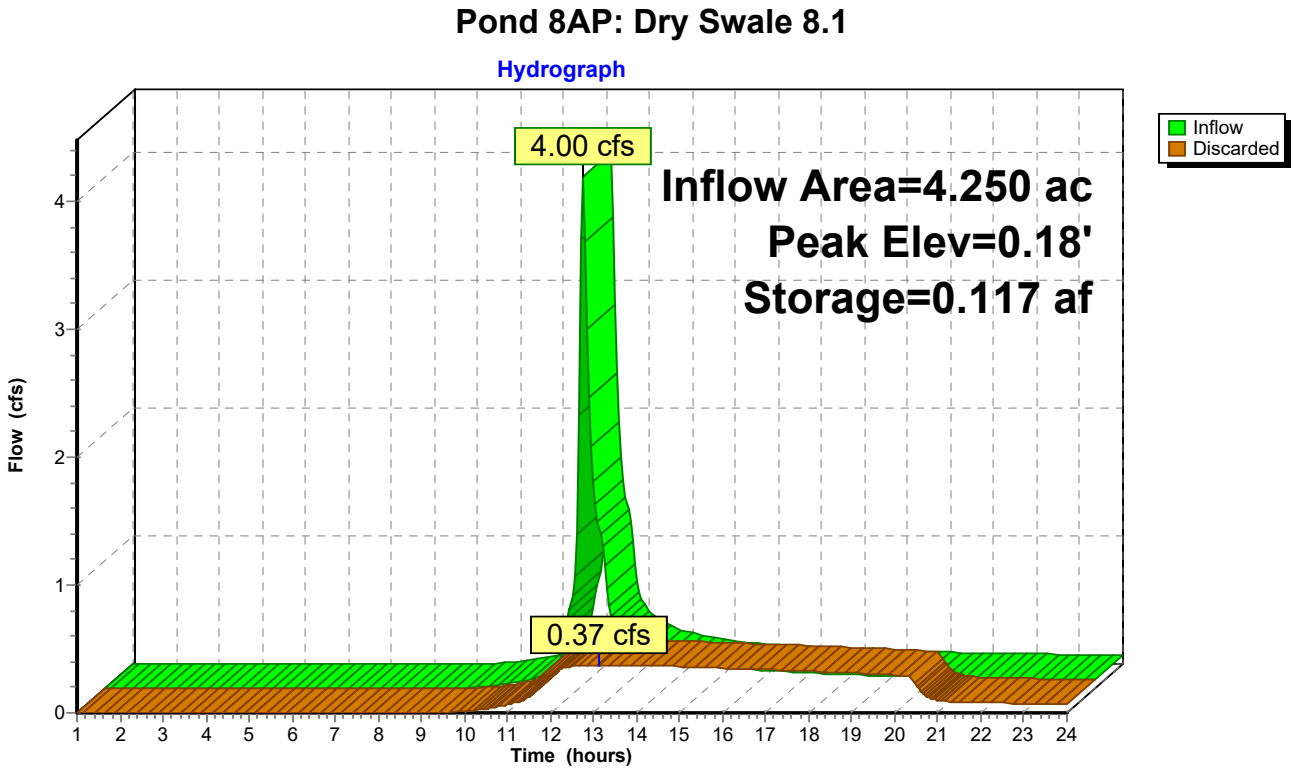
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.18' @ 13.11 hrs Surf.Area= 0.721 ac Storage= 0.117 af

Plug-Flow detention time= 129.3 min calculated for 0.280 af (99% of inflow)
Center-of-Mass det. time= 126.3 min (980.0 - 853.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.992 af	**4.00'W x 6,170.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.37 cfs @ 13.11 hrs HW=0.18' (Free Discharge)
1=Exfiltration (Controls 0.37 cfs)



Summary for Pond 8BP: Dry Swale 8.2

Inflow Area = 4.250 ac, 0.00% Impervious, Inflow Depth > 0.80" for 1-yr event
Inflow = 4.00 cfs @ 12.10 hrs, Volume= 0.282 af
Outflow = 0.37 cfs @ 13.11 hrs, Volume= 0.280 af, Atten= 91%, Lag= 60.7 min
Discarded = 0.37 cfs @ 13.11 hrs, Volume= 0.280 af

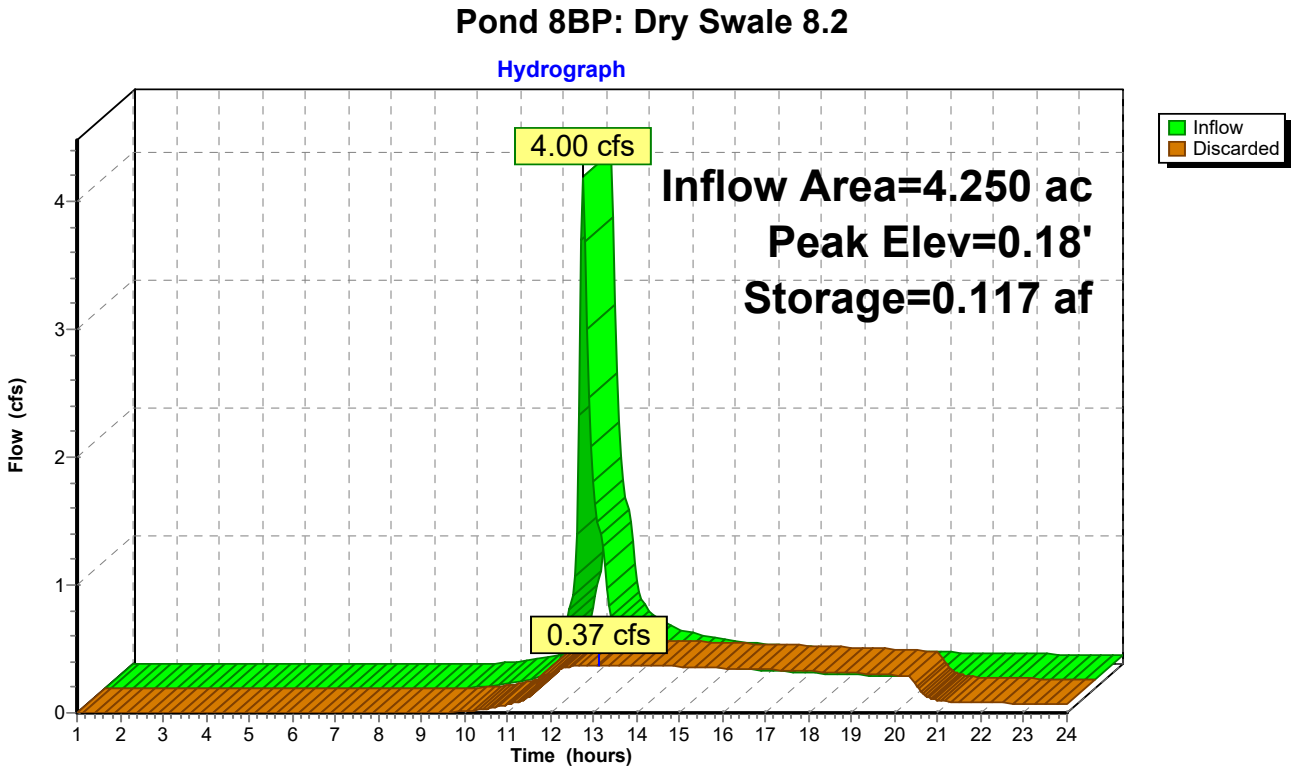
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.18' @ 13.11 hrs Surf.Area= 0.721 ac Storage= 0.117 af

Plug-Flow detention time= 129.3 min calculated for 0.280 af (99% of inflow)
Center-of-Mass det. time= 126.3 min (980.0 - 853.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.992 af	**4.00'W x 6,170.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.37 cfs @ 13.11 hrs HW=0.18' (Free Discharge)
1=Exfiltration (Controls 0.37 cfs)



Summary for Pond 9P: Dry Swale 9

Inflow Area = 0.700 ac, 0.00% Impervious, Inflow Depth > 0.74" for 1-yr event
Inflow = 0.61 cfs @ 12.10 hrs, Volume= 0.043 af
Outflow = 0.06 cfs @ 13.08 hrs, Volume= 0.043 af, Atten= 90%, Lag= 58.6 min
Discarded = 0.06 cfs @ 13.08 hrs, Volume= 0.043 af

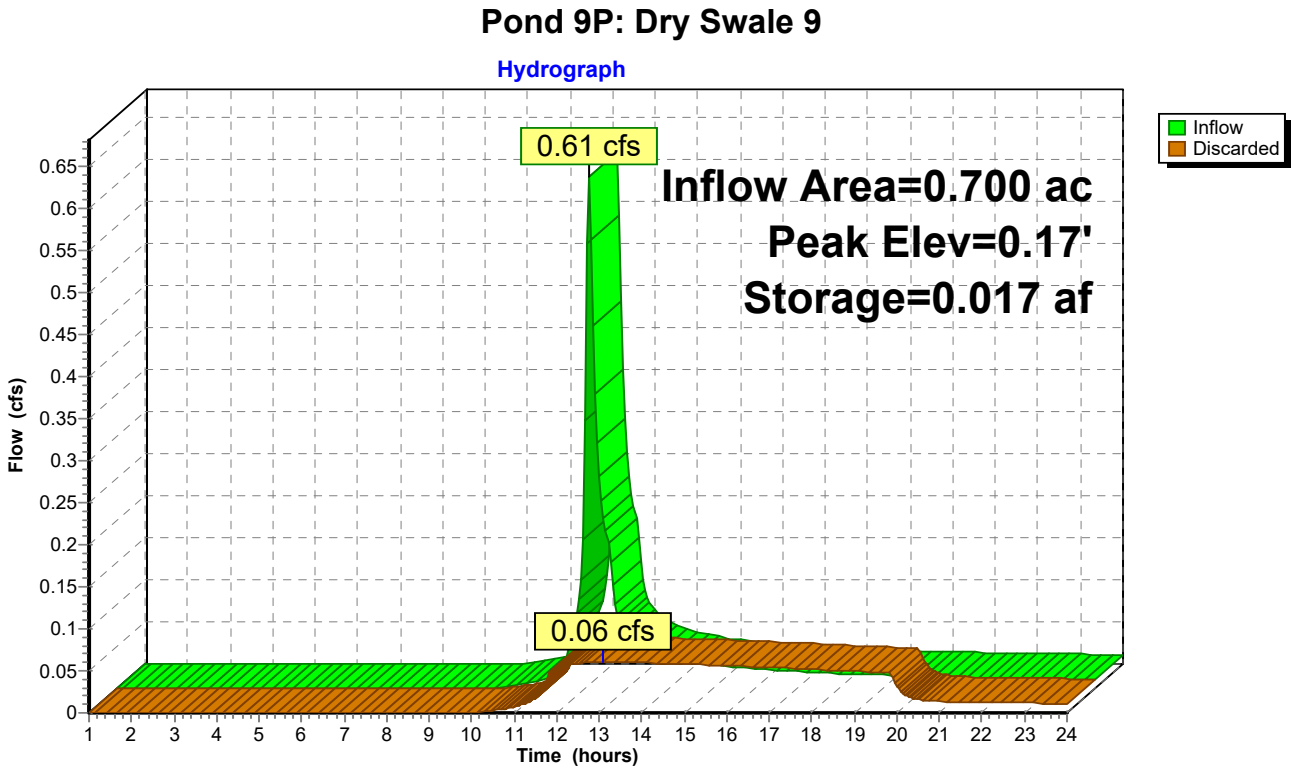
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.17' @ 13.08 hrs Surf.Area= 0.116 ac Storage= 0.017 af

Plug-Flow detention time= 119.0 min calculated for 0.043 af (99% of inflow)
Center-of-Mass det. time= 116.1 min (974.5 - 858.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.163 af	**4.00'W x 1,010.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.06 cfs @ 13.08 hrs HW=0.17' (Free Discharge)
1=Exfiltration (Controls 0.06 cfs)



Summary for Pond 10P: Dry Swale 10

Inflow Area = 0.500 ac, 0.00% Impervious, Inflow Depth > 0.64" for 1-yr event
Inflow = 0.37 cfs @ 12.10 hrs, Volume= 0.027 af
Outflow = 0.04 cfs @ 12.99 hrs, Volume= 0.027 af, Atten= 89%, Lag= 53.3 min
Discarded = 0.04 cfs @ 12.99 hrs, Volume= 0.027 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.14' @ 12.99 hrs Surf.Area= 0.080 ac Storage= 0.010 af

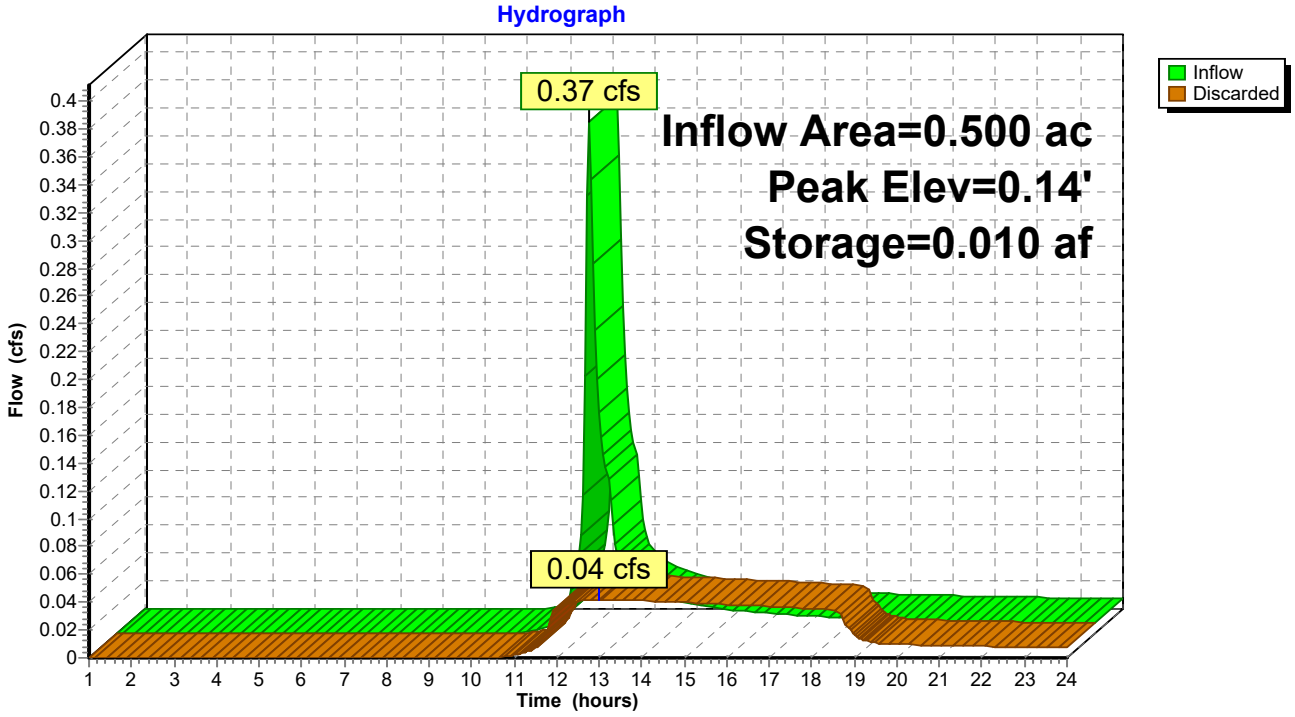
Plug-Flow detention time= 97.1 min calculated for 0.027 af (99% of inflow)
Center-of-Mass det. time= 94.1 min (961.9 - 867.9)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.117 af	**4.00'W x 725.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.04 cfs @ 12.99 hrs HW=0.14' (Free Discharge)
1=Exfiltration (Controls 0.04 cfs)

Pond 10P: Dry Swale 10



Summary for Pond 11P: Dry Swale 11

Inflow Area = 4.000 ac, 0.00% Impervious, Inflow Depth > 0.44" for 1-yr event
Inflow = 1.78 cfs @ 12.11 hrs, Volume= 0.147 af
Outflow = 0.30 cfs @ 12.80 hrs, Volume= 0.146 af, Atten= 83%, Lag= 41.6 min
Discarded = 0.30 cfs @ 12.80 hrs, Volume= 0.146 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.08' @ 12.80 hrs Surf.Area= 0.595 ac Storage= 0.044 af

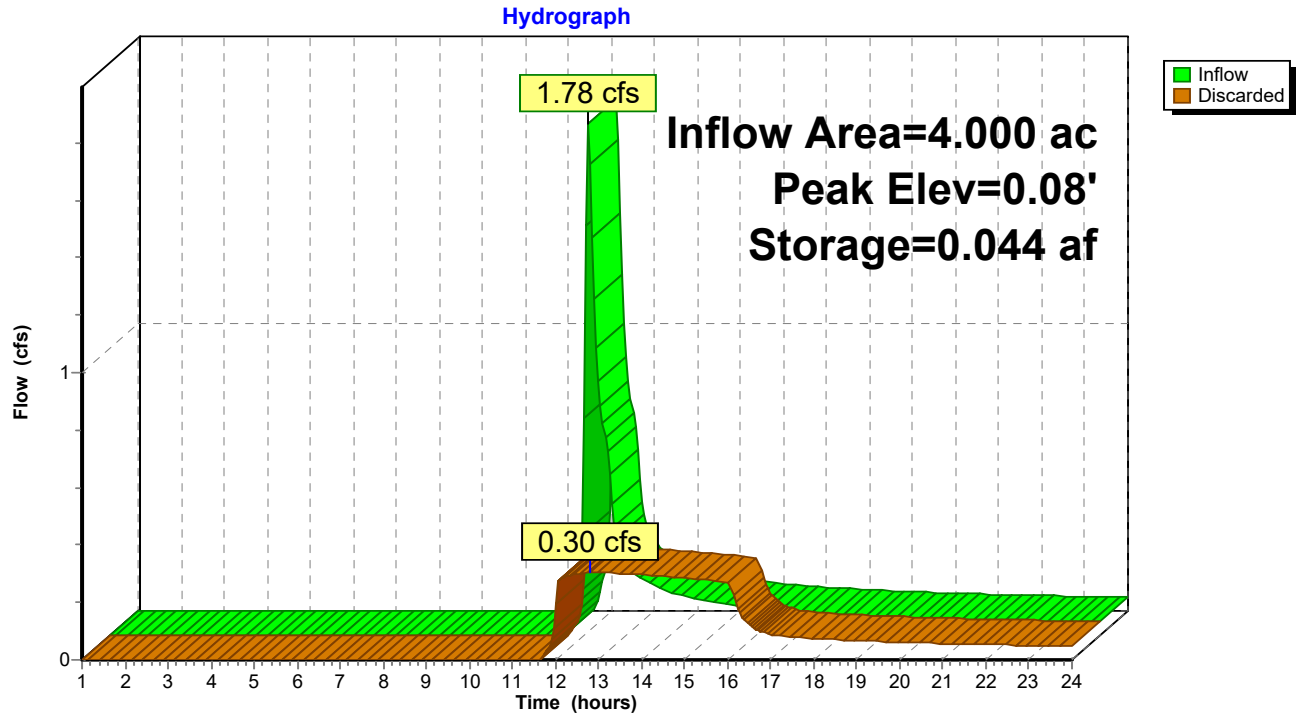
Plug-Flow detention time= 52.3 min calculated for 0.146 af (99% of inflow)
Center-of-Mass det. time= 48.7 min (940.8 - 892.0)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.933 af	**4.00'W x 5,800.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.30 cfs @ 12.80 hrs HW=0.08' (Free Discharge)
1=Exfiltration (Controls 0.30 cfs)

Pond 11P: Dry Swale 11



Summary for Pond 12P: Dry Swale 12

Inflow Area = 1.800 ac, 0.00% Impervious, Inflow Depth > 0.52" for 1-yr event
Inflow = 1.00 cfs @ 12.11 hrs, Volume= 0.077 af
Outflow = 0.14 cfs @ 12.87 hrs, Volume= 0.077 af, Atten= 86%, Lag= 45.9 min
Discarded = 0.14 cfs @ 12.87 hrs, Volume= 0.077 af

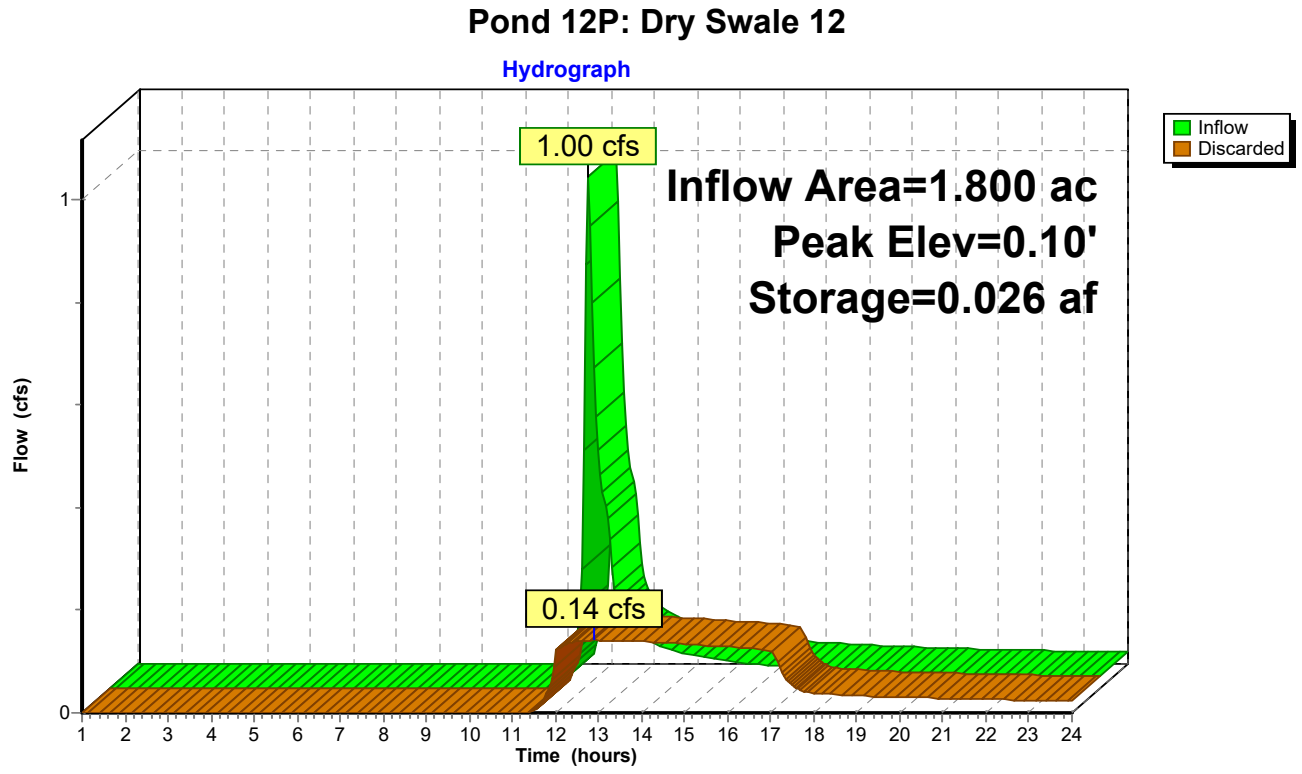
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.10' @ 12.87 hrs Surf.Area= 0.276 ac Storage= 0.026 af

Plug-Flow detention time= 68.8 min calculated for 0.077 af (99% of inflow)
Center-of-Mass det. time= 65.5 min (947.5 - 882.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.420 af	**4.00'W x 2,610.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.14 cfs @ 12.87 hrs HW=0.10' (Free Discharge)
1=Exfiltration (Controls 0.14 cfs)



Summary for Pond 13P: Dry Swale 13

Inflow Area = 4.500 ac, 0.00% Impervious, Inflow Depth > 0.69" for 1-yr event
Inflow = 3.60 cfs @ 12.10 hrs, Volume= 0.260 af
Outflow = 0.38 cfs @ 13.05 hrs, Volume= 0.258 af, Atten= 90%, Lag= 57.1 min
Discarded = 0.38 cfs @ 13.05 hrs, Volume= 0.258 af

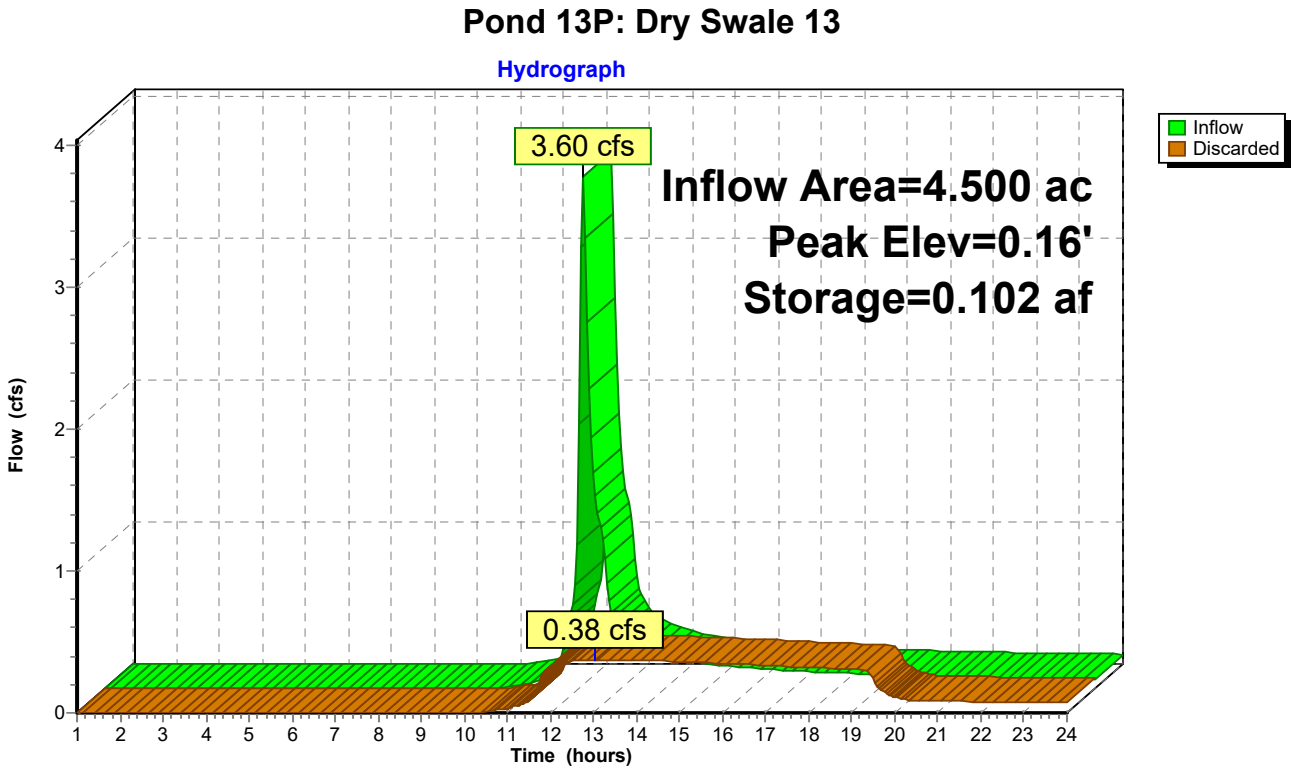
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.16' @ 13.05 hrs Surf.Area= 0.724 ac Storage= 0.102 af

Plug-Flow detention time= 110.7 min calculated for 0.258 af (99% of inflow)
Center-of-Mass det. time= 107.7 min (970.9 - 863.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.027 af	**4.00'W x 6,390.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.38 cfs @ 13.05 hrs HW=0.16' (Free Discharge)
1=Exfiltration (Controls 0.38 cfs)



Summary for Pond 14P: Dry Swale 14

Inflow Area = 0.500 ac, 0.00% Impervious, Inflow Depth > 0.80" for 1-yr event
Inflow = 0.47 cfs @ 12.10 hrs, Volume= 0.033 af
Outflow = 0.04 cfs @ 13.11 hrs, Volume= 0.033 af, Atten= 91%, Lag= 60.7 min
Discarded = 0.04 cfs @ 13.11 hrs, Volume= 0.033 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.18' @ 13.11 hrs Surf.Area= 0.085 ac Storage= 0.014 af

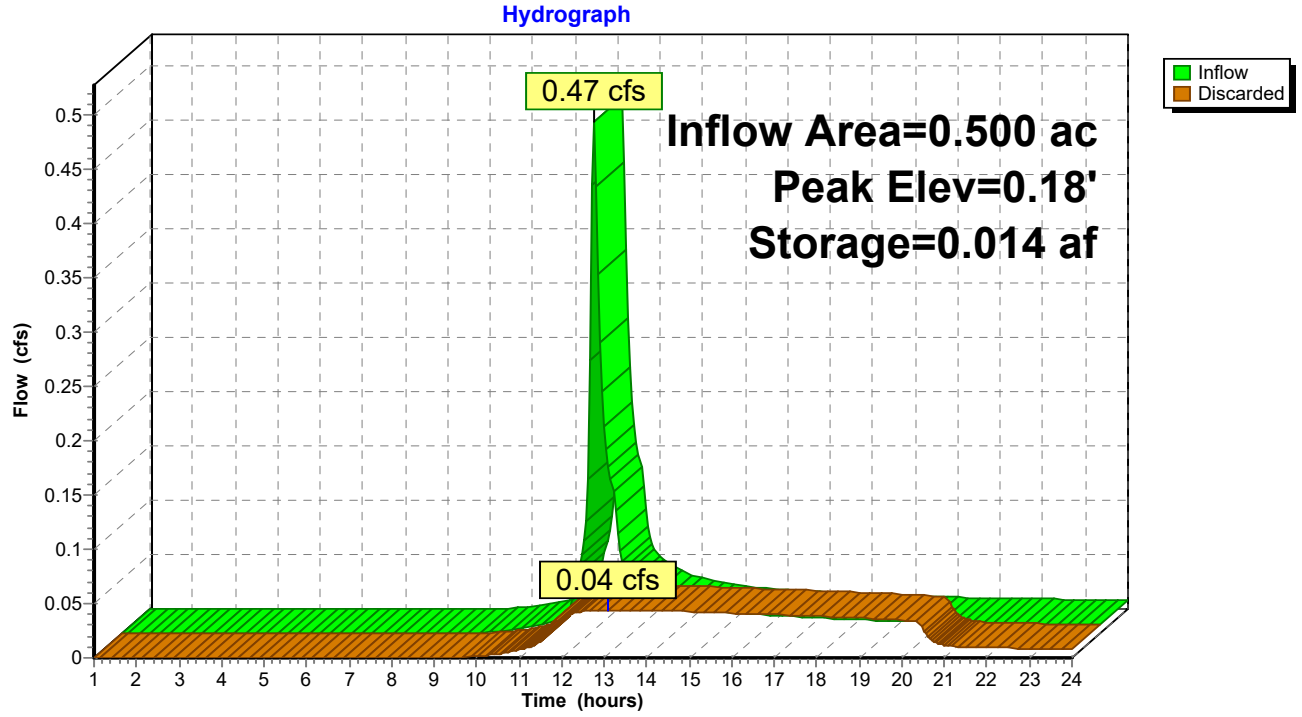
Plug-Flow detention time= 129.4 min calculated for 0.033 af (99% of inflow)
Center-of-Mass det. time= 126.3 min (980.0 - 853.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.117 af	**4.00'W x 725.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.04 cfs @ 13.11 hrs HW=0.18' (Free Discharge)
1=Exfiltration (Controls 0.04 cfs)

Pond 14P: Dry Swale 14



Summary for Pond 15P: Dry Swale 15

Inflow Area = 1.100 ac, 0.00% Impervious, Inflow Depth > 0.80" for 1-yr event
Inflow = 1.04 cfs @ 12.10 hrs, Volume= 0.073 af
Outflow = 0.10 cfs @ 13.11 hrs, Volume= 0.073 af, Atten= 91%, Lag= 60.9 min
Discarded = 0.10 cfs @ 13.11 hrs, Volume= 0.073 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.18' @ 13.11 hrs Surf.Area= 0.186 ac Storage= 0.030 af

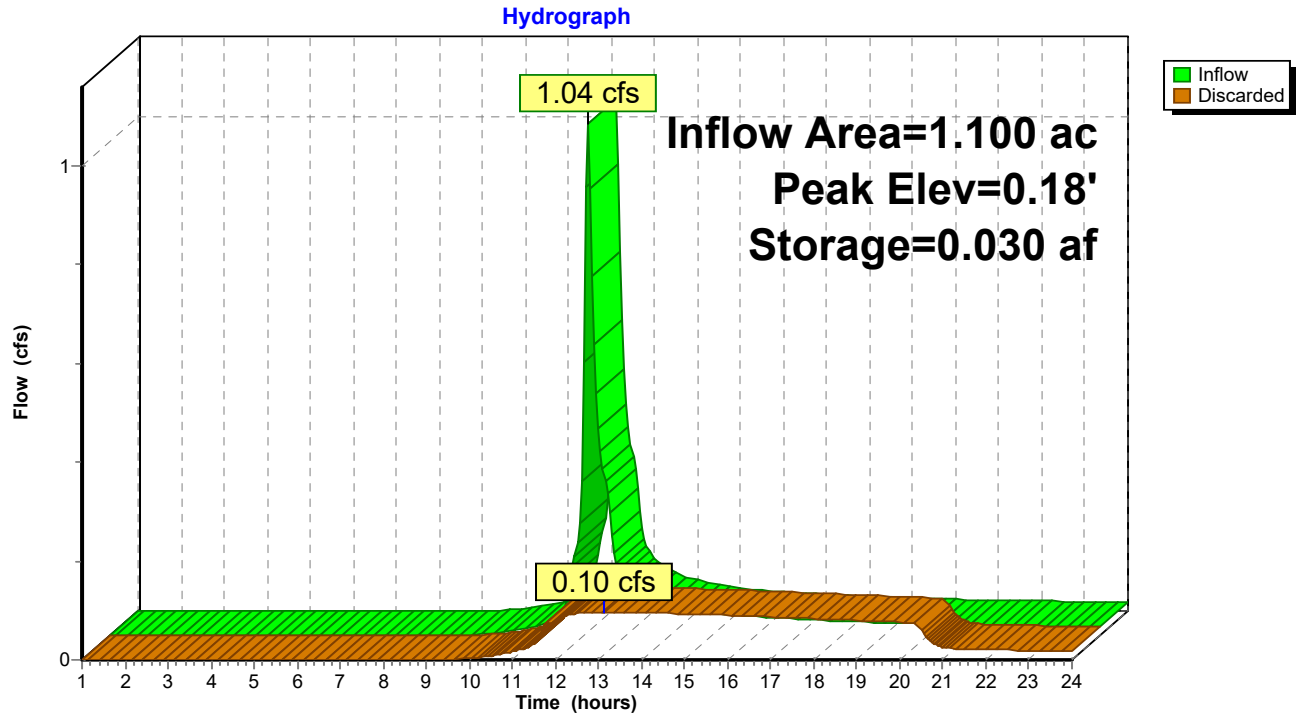
Plug-Flow detention time= 129.8 min calculated for 0.073 af (100% of inflow)
Center-of-Mass det. time= 126.9 min (980.6 - 853.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.256 af	**4.00'W x 1,590.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.10 cfs @ 13.11 hrs HW=0.18' (Free Discharge)
1=Exfiltration (Controls 0.10 cfs)

Pond 15P: Dry Swale 15

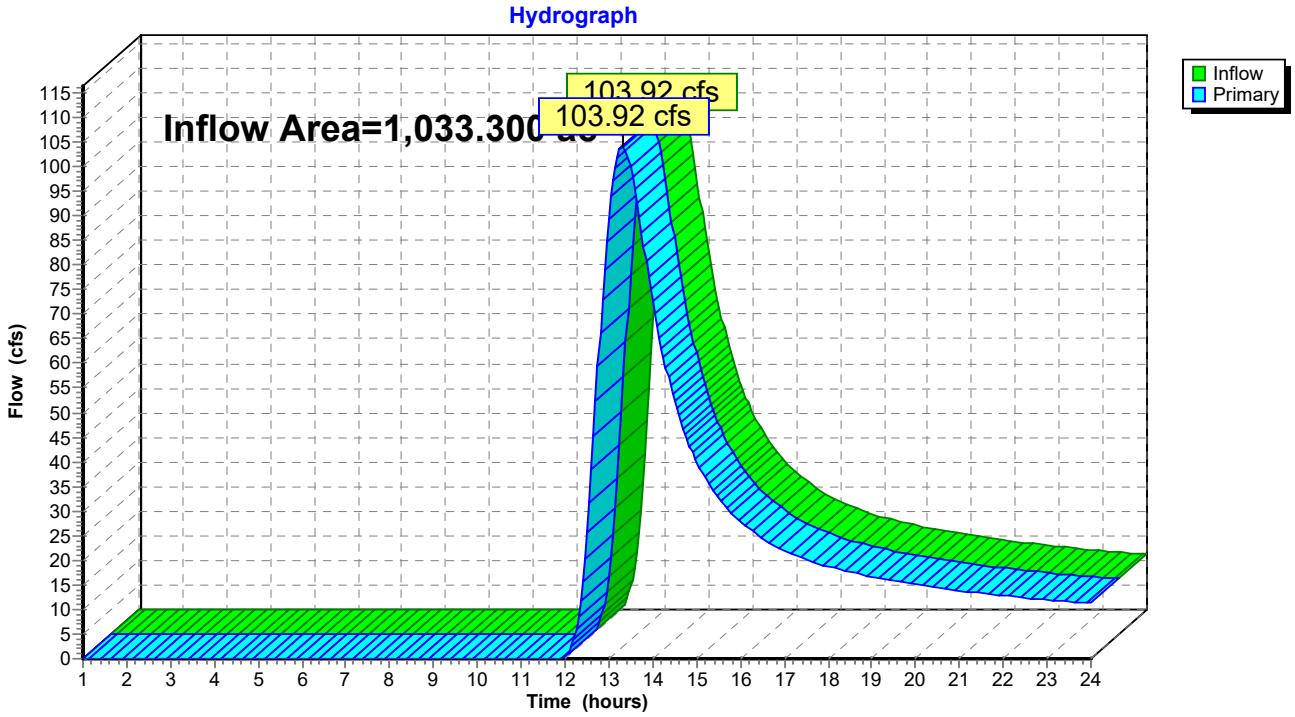


Summary for Link 1L: A

Inflow Area = 1,033.300 ac, 0.00% Impervious, Inflow Depth > 0.33" for 1-yr event
Inflow = 103.92 cfs @ 13.33 hrs, Volume= 28.431 af
Primary = 103.92 cfs @ 13.33 hrs, Volume= 28.431 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 1L: A

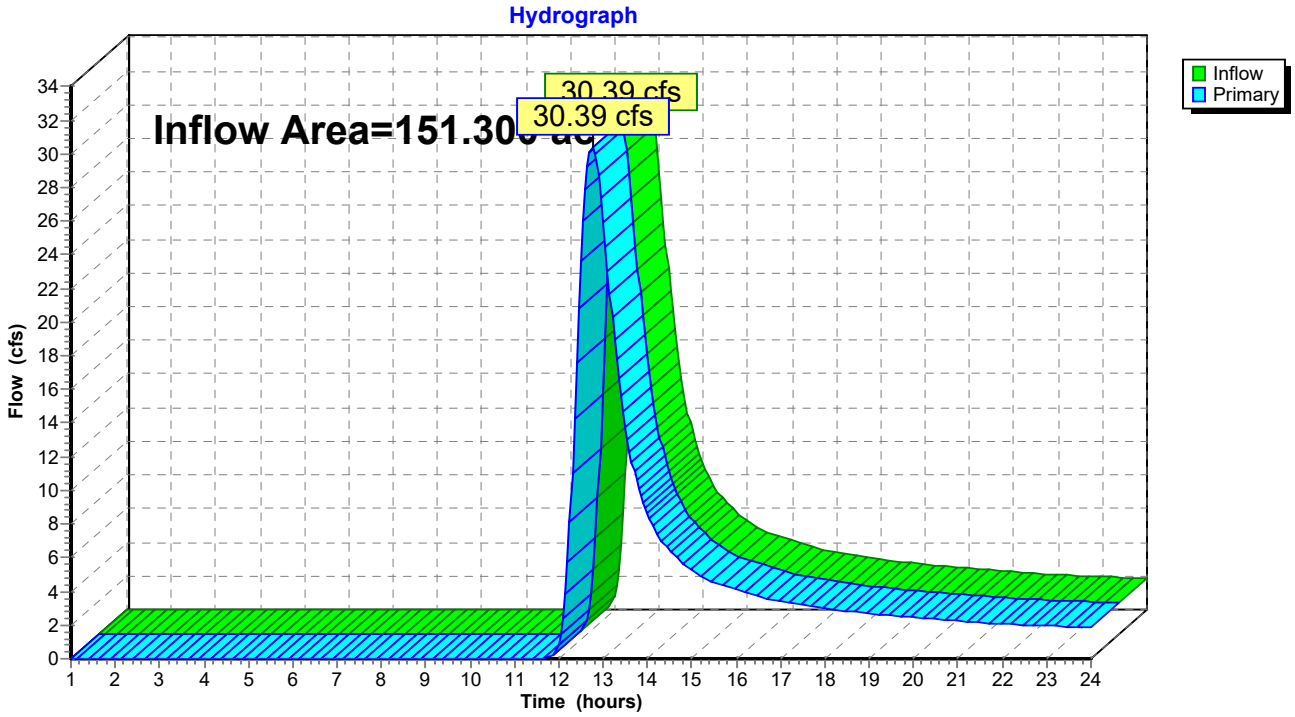


Summary for Link 2L: B

Inflow Area = 151.300 ac, 0.00% Impervious, Inflow Depth > 0.43" for 1-yr event
Inflow = 30.39 cfs @ 12.76 hrs, Volume= 5.466 af
Primary = 30.39 cfs @ 12.76 hrs, Volume= 5.466 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 2L: B

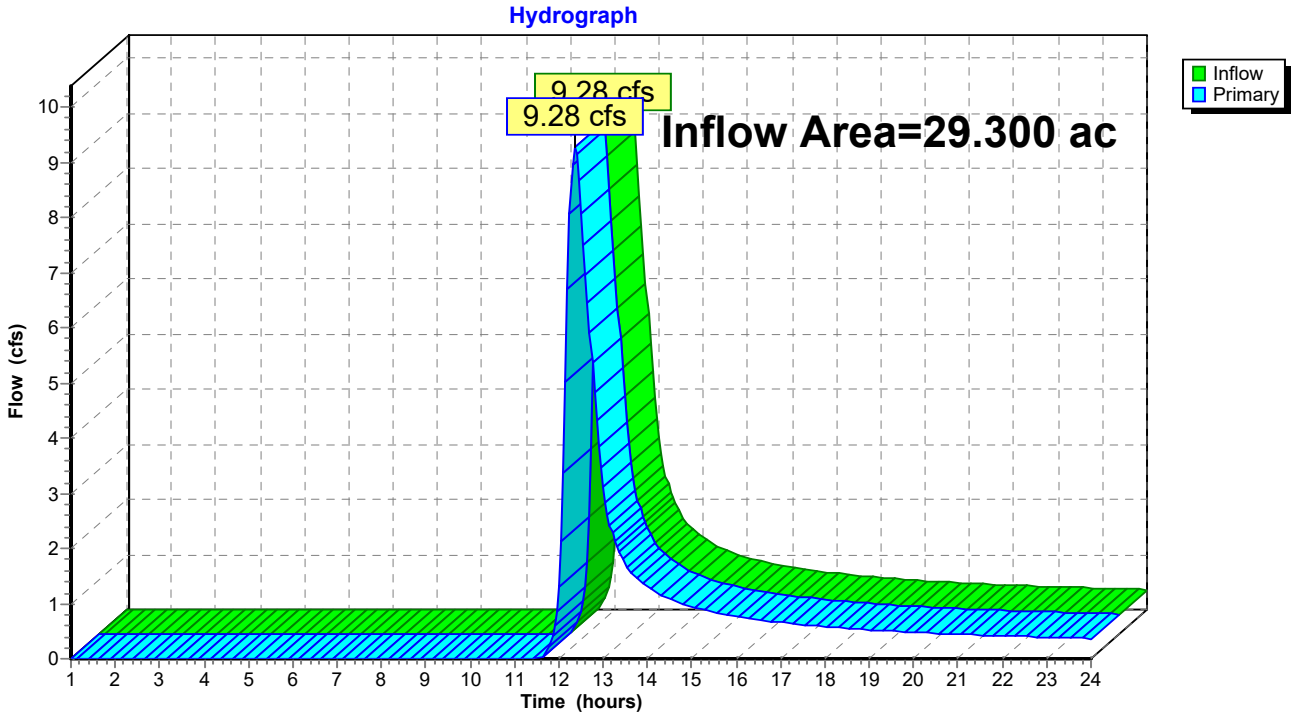


Summary for Link 3L: C

Inflow Area = 29.300 ac, 0.00% Impervious, Inflow Depth > 0.47" for 1-yr event
Inflow = 9.28 cfs @ 12.36 hrs, Volume= 1.159 af
Primary = 9.28 cfs @ 12.36 hrs, Volume= 1.159 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 3L: C

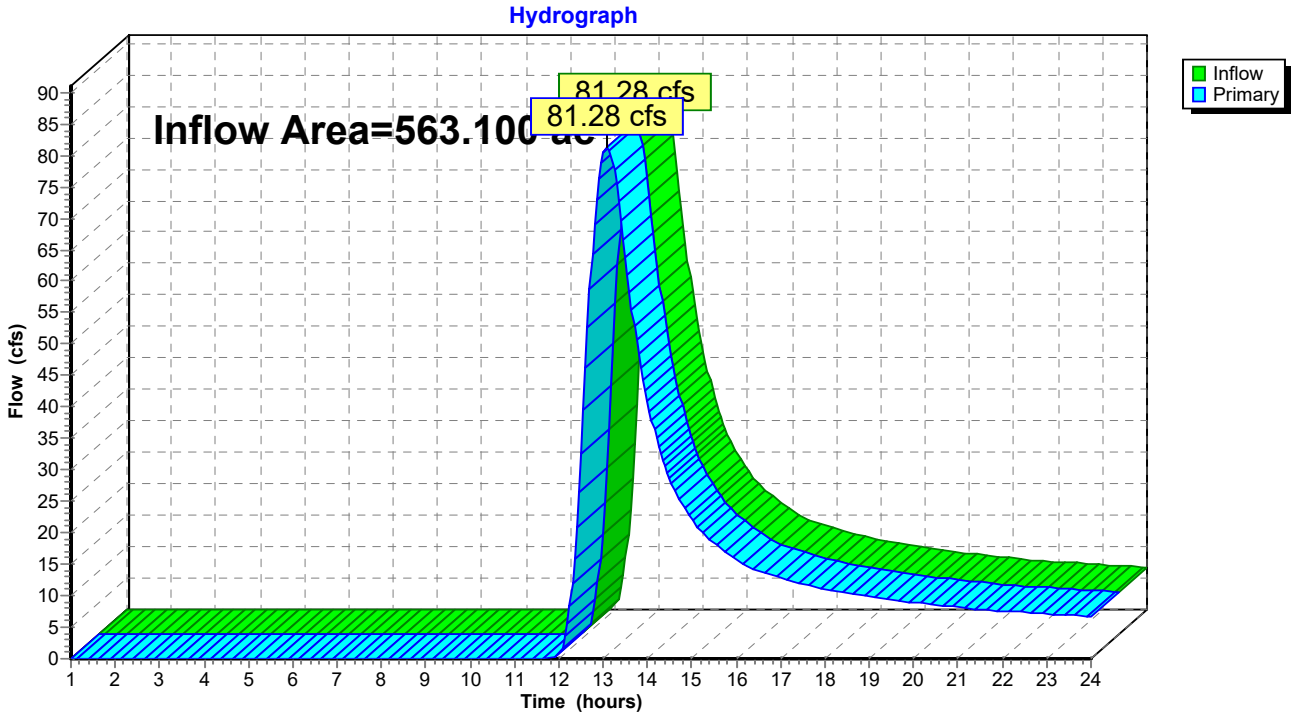


Summary for Link 4L: D

Inflow Area = 563.100 ac, 0.00% Impervious, Inflow Depth > 0.40" for 1-yr event
Inflow = 81.28 cfs @ 13.08 hrs, Volume= 18.553 af
Primary = 81.28 cfs @ 13.08 hrs, Volume= 18.553 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 4L: D

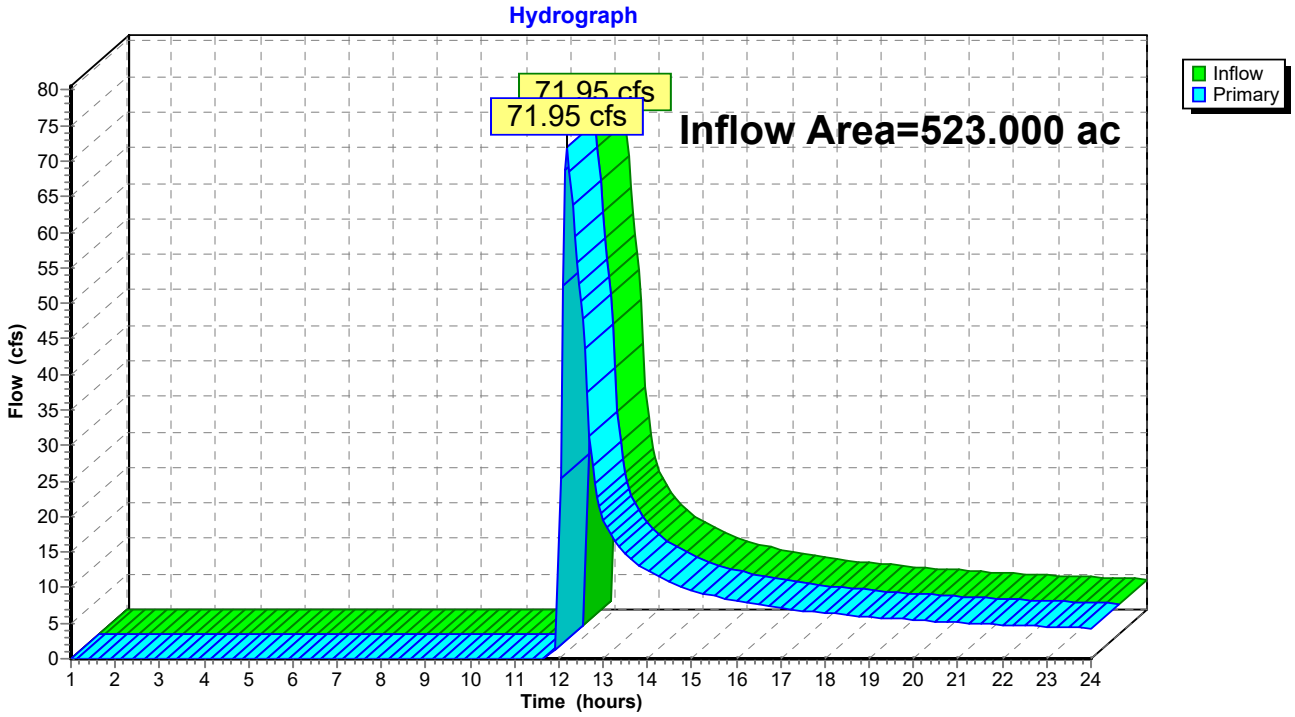


Summary for Link 5L: E

Inflow Area = 523.000 ac, 0.00% Impervious, Inflow Depth > 0.23" for 1-yr event
Inflow = 71.95 cfs @ 12.20 hrs, Volume= 10.213 af
Primary = 71.95 cfs @ 12.20 hrs, Volume= 10.213 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 5L: E

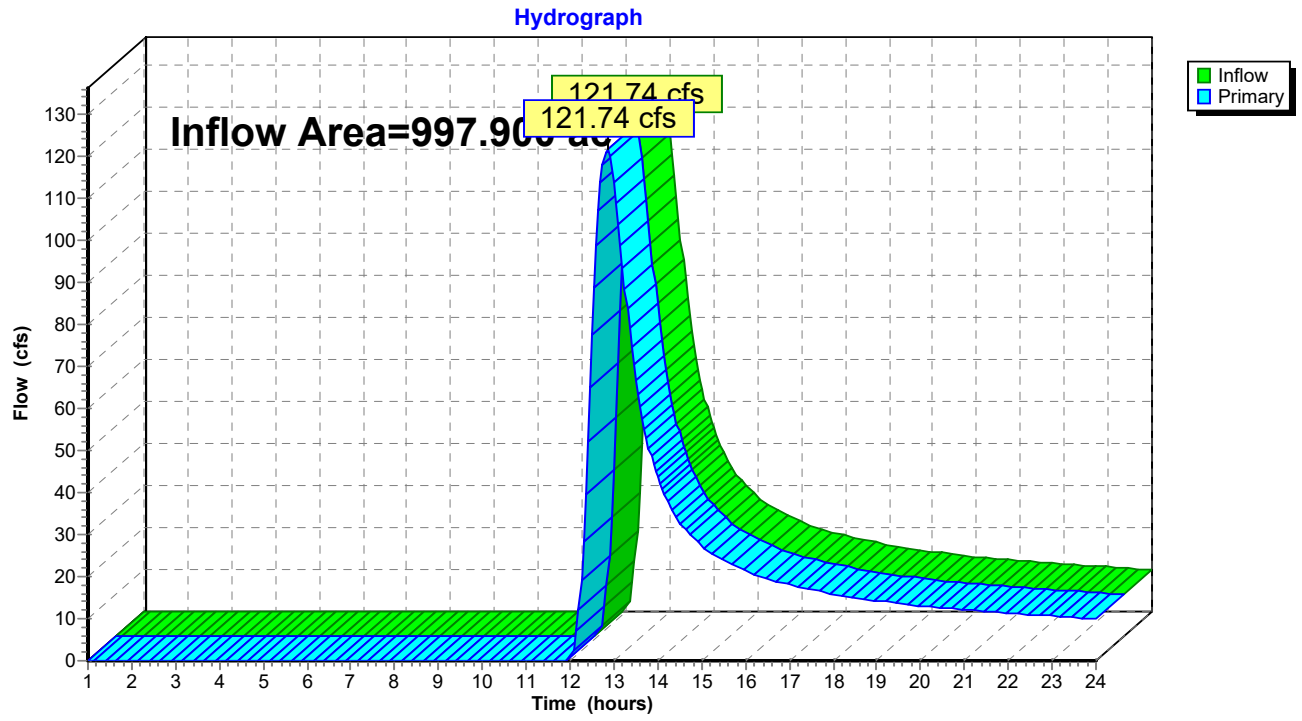


Summary for Link 6L: F

Inflow Area = 997.900 ac, 0.00% Impervious, Inflow Depth > 0.31" for 1-yr event
Inflow = 121.74 cfs @ 12.85 hrs, Volume= 25.513 af
Primary = 121.74 cfs @ 12.85 hrs, Volume= 25.513 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 6L: F

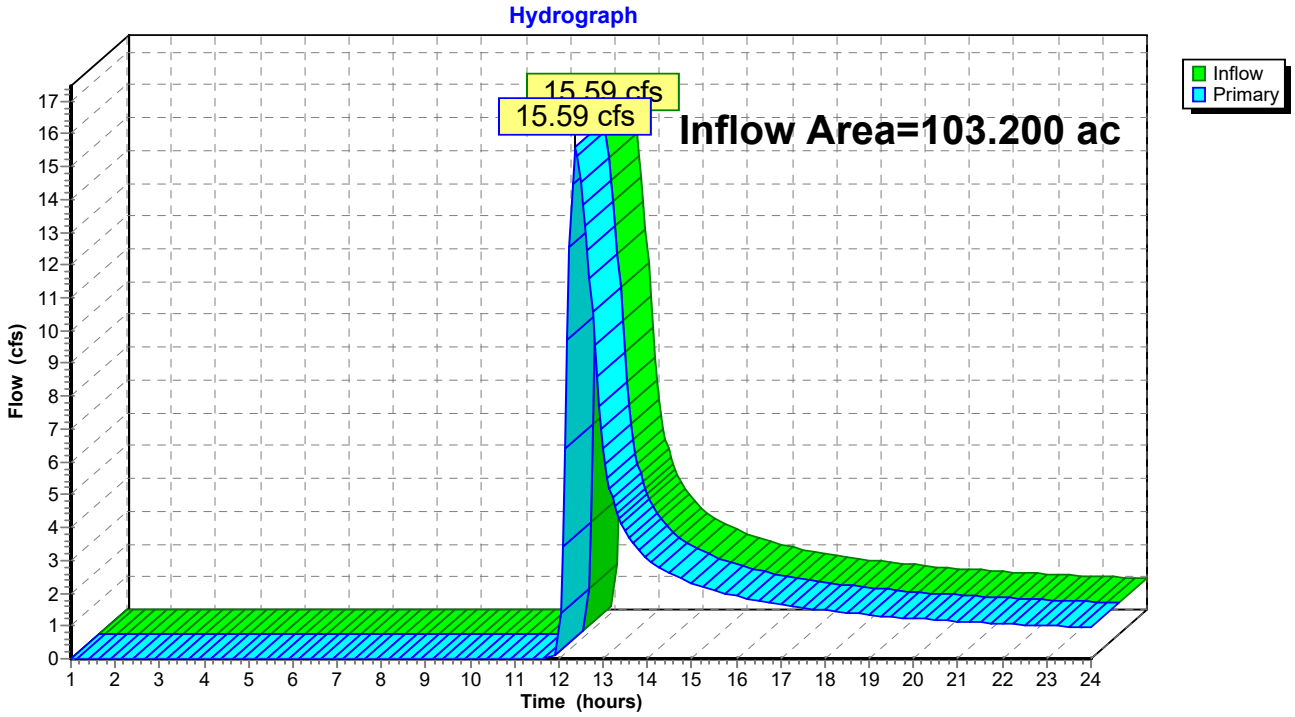


Summary for Link 7L: G

Inflow Area = 103.200 ac, 0.00% Impervious, Inflow Depth > 0.28" for 1-yr event
Inflow = 15.59 cfs @ 12.38 hrs, Volume= 2.439 af
Primary = 15.59 cfs @ 12.38 hrs, Volume= 2.439 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 7L: G

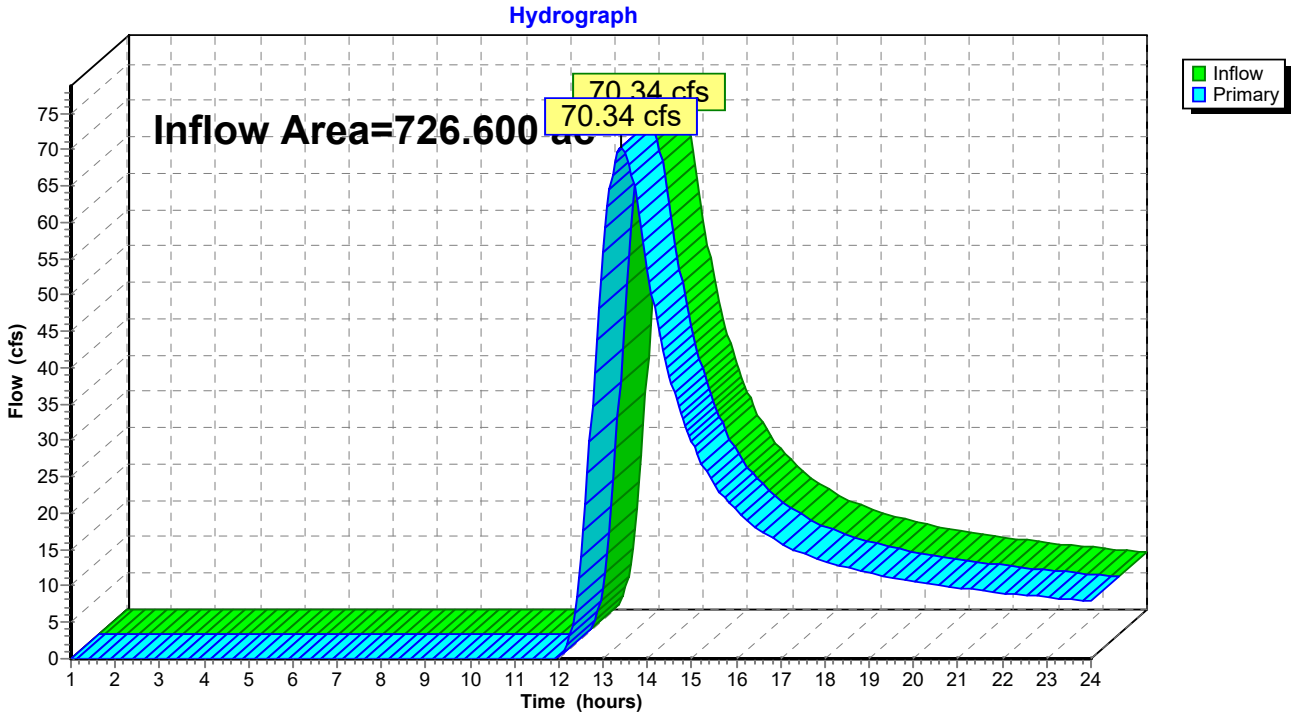


Summary for Link 8L: H

Inflow Area = 726.600 ac, 0.00% Impervious, Inflow Depth > 0.33" for 1-yr event
Inflow = 70.34 cfs @ 13.41 hrs, Volume= 19.932 af
Primary = 70.34 cfs @ 13.41 hrs, Volume= 19.932 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 8L: H

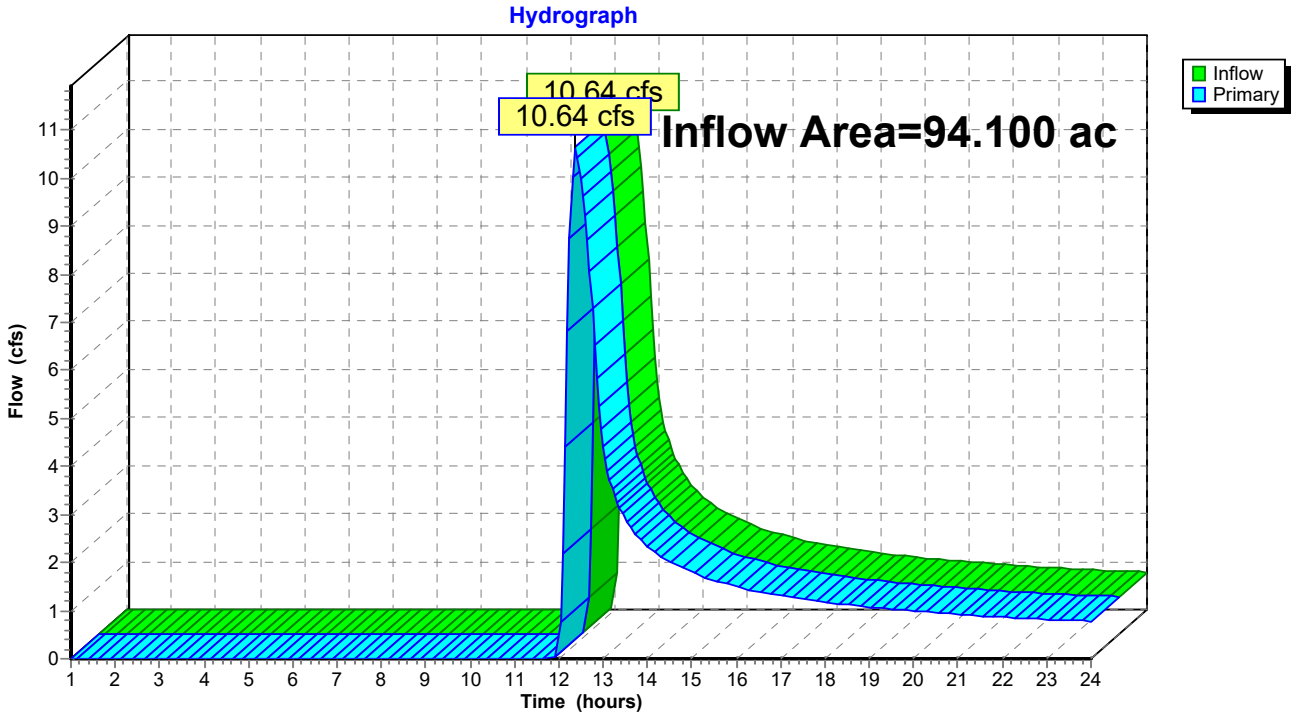


Summary for Link 9L: I

Inflow Area = 94.100 ac, 0.00% Impervious, Inflow Depth > 0.23" for 1-yr event
Inflow = 10.64 cfs @ 12.37 hrs, Volume= 1.828 af
Primary = 10.64 cfs @ 12.37 hrs, Volume= 1.828 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 9L: I

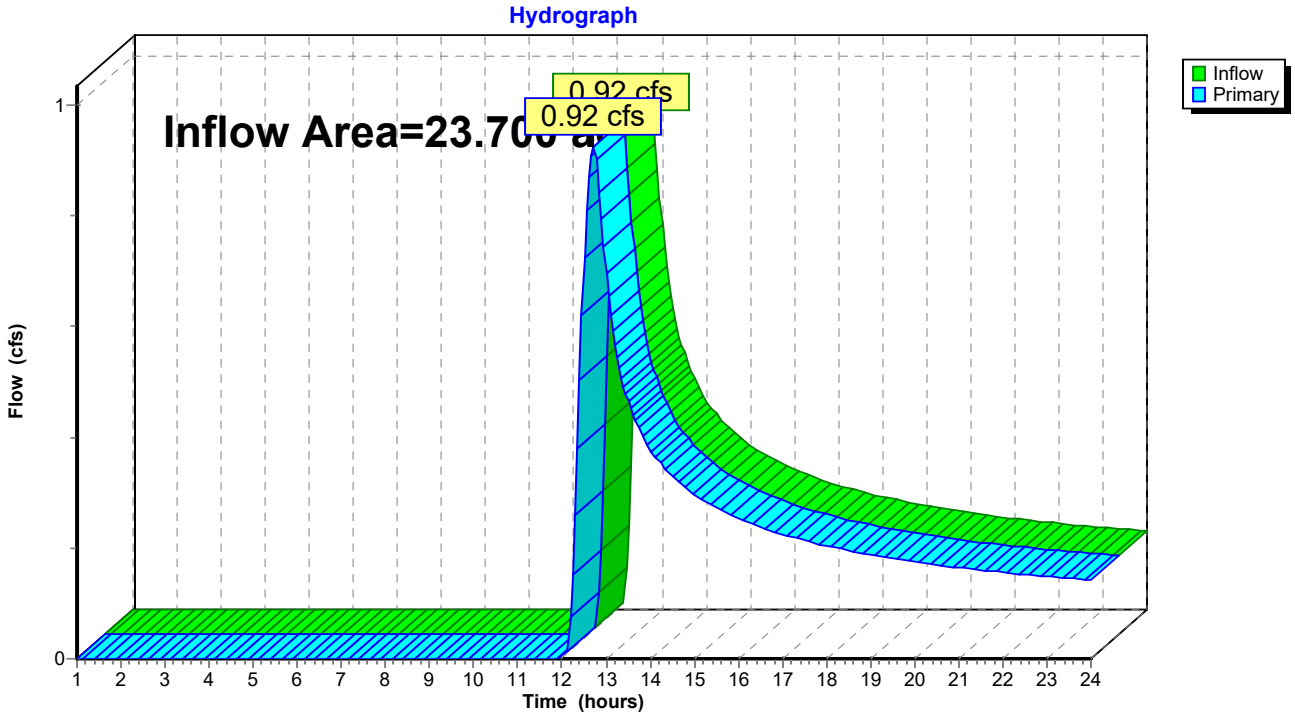


Summary for Link 10L: J

Inflow Area = 23.700 ac, 0.00% Impervious, Inflow Depth > 0.13" for 1-yr event
Inflow = 0.92 cfs @ 12.71 hrs, Volume= 0.256 af
Primary = 0.92 cfs @ 12.71 hrs, Volume= 0.256 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 10L: J

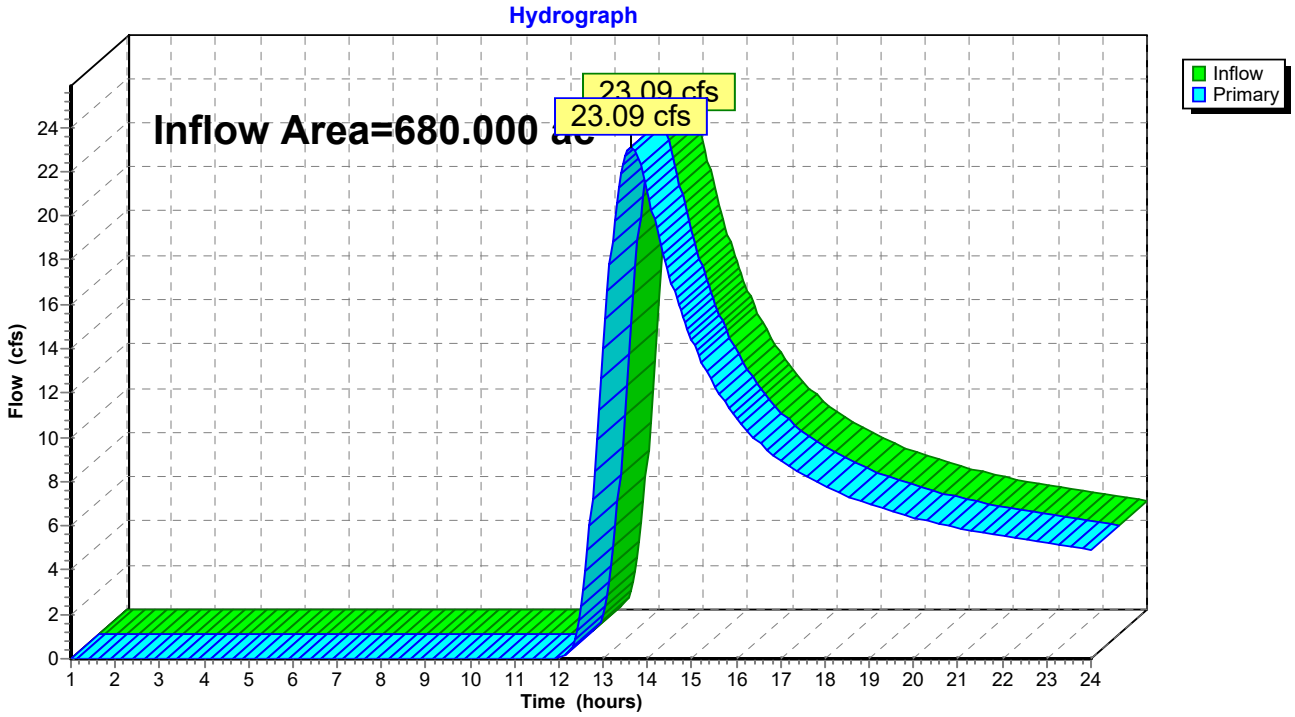


Summary for Link 11L: K

Inflow Area = 680.000 ac, 0.00% Impervious, Inflow Depth > 0.16" for 1-yr event
Inflow = 23.09 cfs @ 13.62 hrs, Volume= 9.042 af
Primary = 23.09 cfs @ 13.62 hrs, Volume= 9.042 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 11L: K

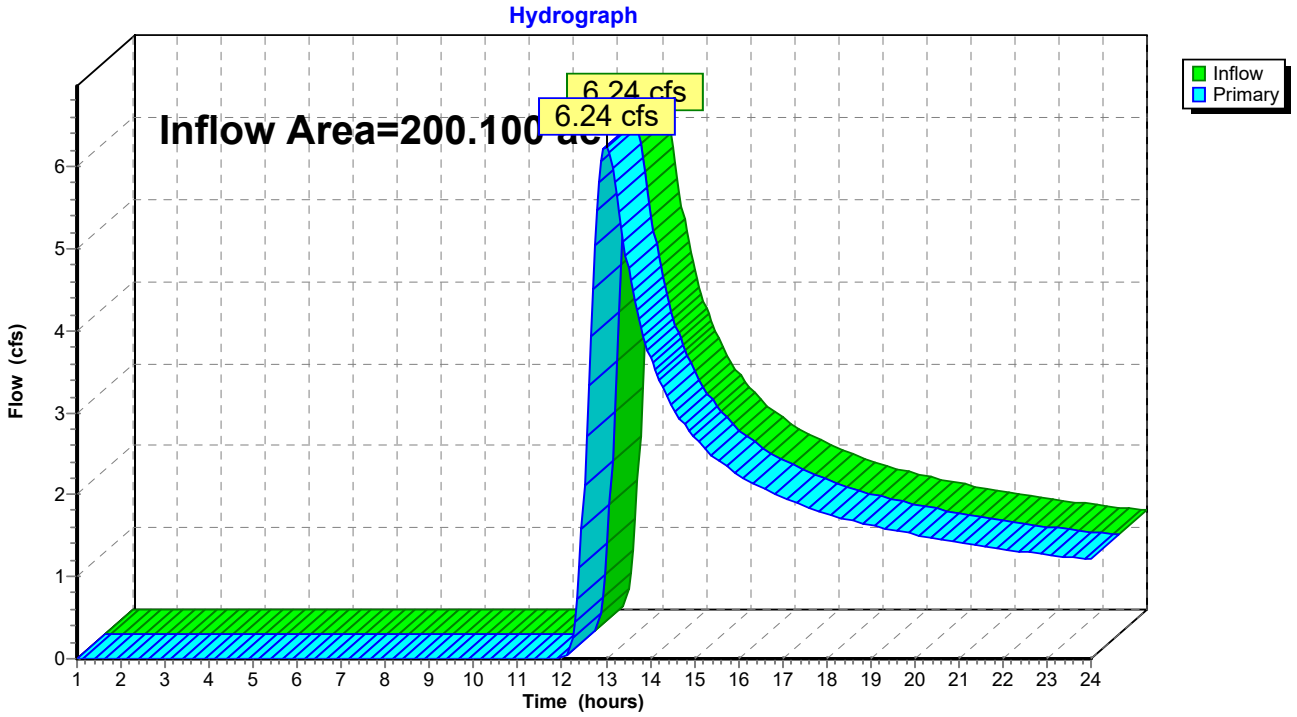


Summary for Link 12L: L

Inflow Area = 200.100 ac, 0.00% Impervious, Inflow Depth > 0.13" for 1-yr event
Inflow = 6.24 cfs @ 13.00 hrs, Volume= 2.128 af
Primary = 6.24 cfs @ 13.00 hrs, Volume= 2.128 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 12L: L

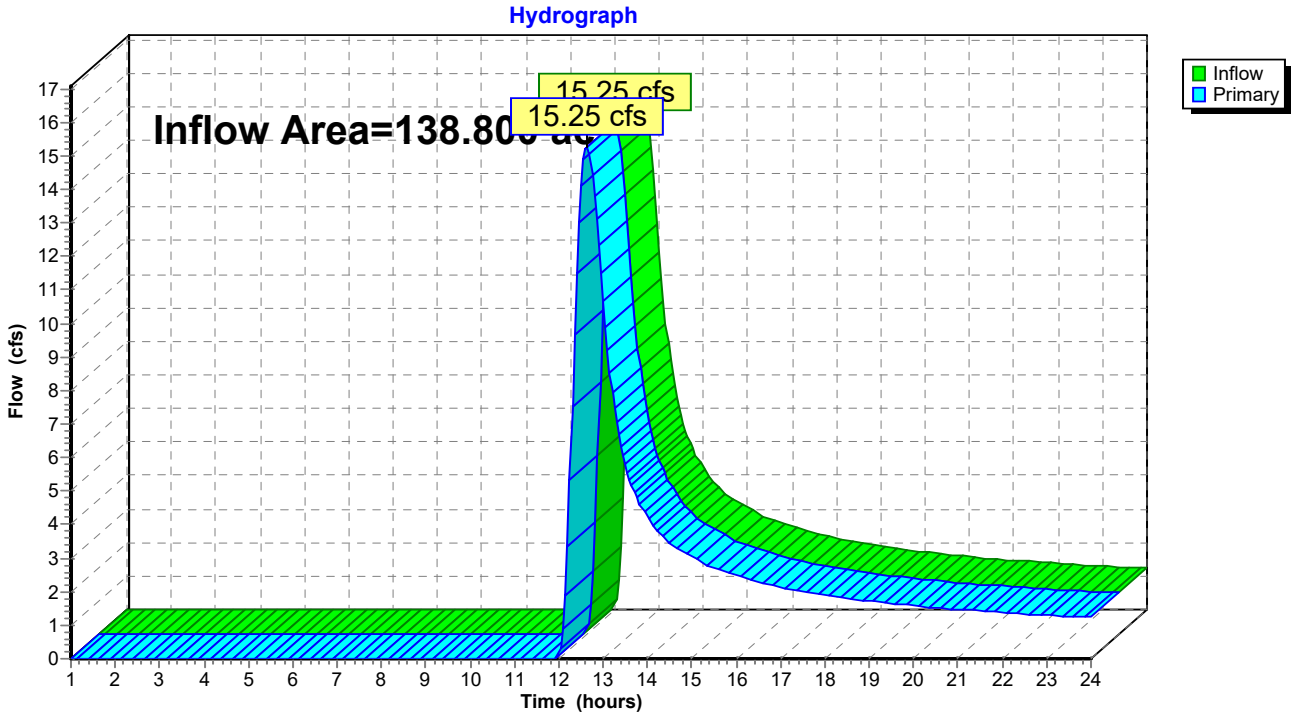


Summary for Link 13L: M

Inflow Area = 138.800 ac, 0.00% Impervious, Inflow Depth > 0.26" for 1-yr event
Inflow = 15.25 cfs @ 12.62 hrs, Volume= 2.958 af
Primary = 15.25 cfs @ 12.62 hrs, Volume= 2.958 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 13L: M

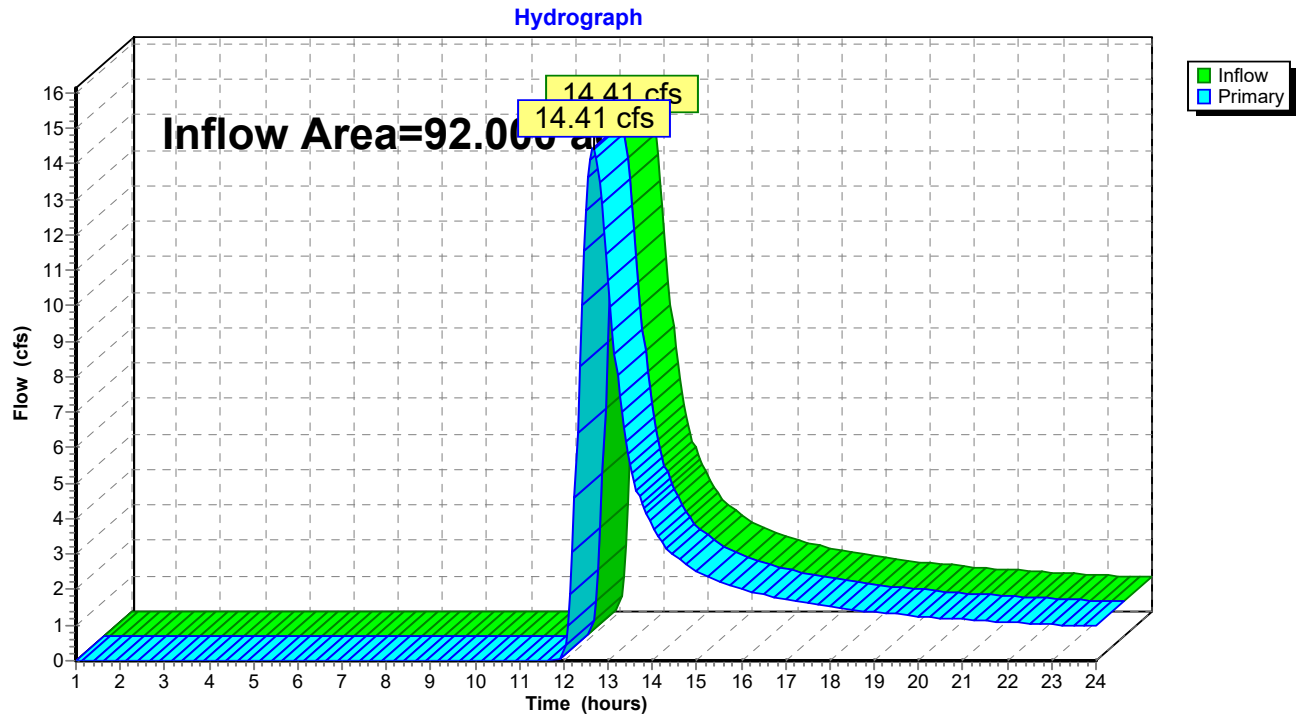


Summary for Link 14L: N

Inflow Area = 92.000 ac, 0.00% Impervious, Inflow Depth > 0.34" for 1-yr event
Inflow = 14.41 cfs @ 12.67 hrs, Volume= 2.588 af
Primary = 14.41 cfs @ 12.67 hrs, Volume= 2.588 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 14L: N

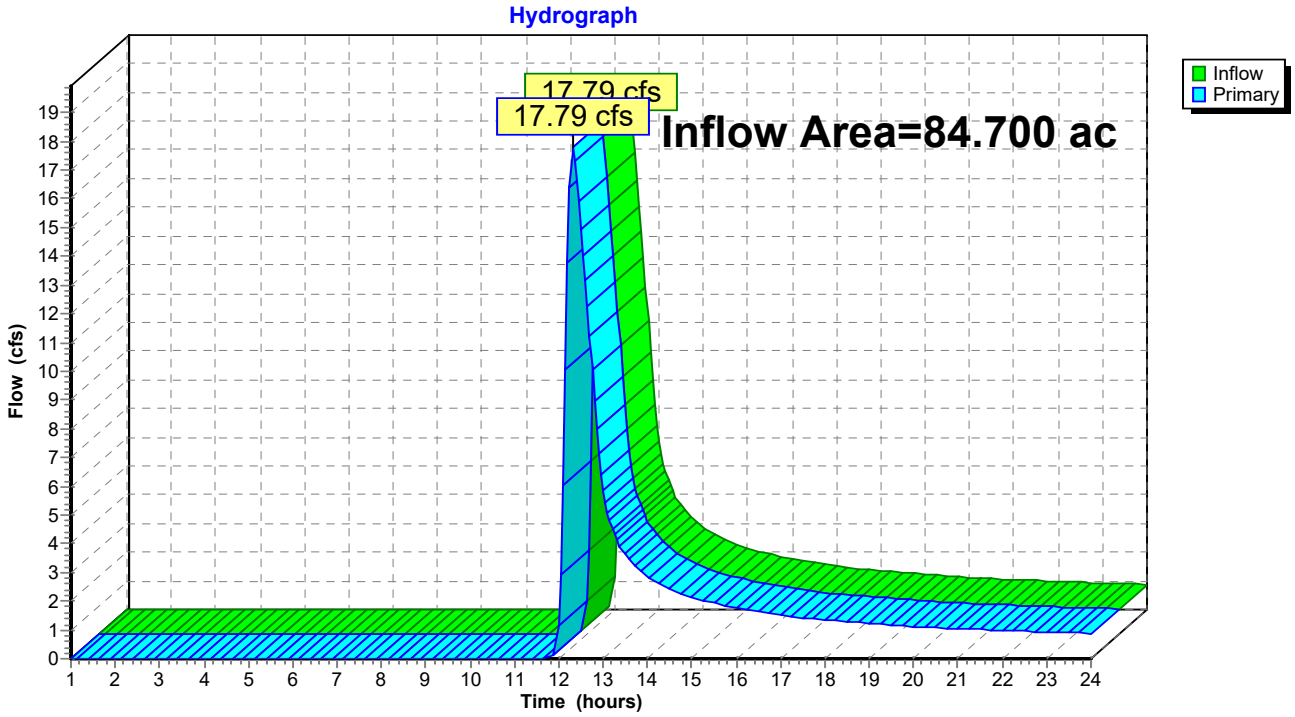


Summary for Link 15L: O

Inflow Area = 84.700 ac, 0.00% Impervious, Inflow Depth > 0.34" for 1-yr event
Inflow = 17.79 cfs @ 12.33 hrs, Volume= 2.405 af
Primary = 17.79 cfs @ 12.33 hrs, Volume= 2.405 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 15L: O



Time span=1.00-24.00 hrs, dt=0.05 hrs, 461 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: 1 Runoff Area=1,033.300 ac 0.00% Impervious Runoff Depth>1.03"
Flow Length=16,710' Slope=0.0270 '/' Tc=87.0 min CN=76 Runoff=404.40 cfs 88.307 af

Subcatchment2S: 2 Runoff Area=151.300 ac 0.00% Impervious Runoff Depth>1.21"
Flow Length=4,670' Tc=51.1 min CN=79 Runoff=100.00 cfs 15.307 af

Subcatchment3S: 3 Runoff Area=29.300 ac 0.00% Impervious Runoff Depth>1.29"
Flow Length=1,150' Tc=26.3 min CN=80 Runoff=28.89 cfs 3.140 af

Subcatchment4S: 4 Runoff Area=563.100 ac 0.00% Impervious Runoff Depth>1.15"
Flow Length=11,900' Tc=72.6 min CN=78 Runoff=283.34 cfs 53.754 af

Subcatchment5S: 5 Runoff Area=523.000 ac 0.00% Impervious Runoff Depth>0.84"
Flow Length=1,375' Slope=0.2200 '/' Tc=11.8 min CN=72 Runoff=433.92 cfs 36.652 af

Subcatchment6S: 6 Runoff Area=997.900 ac 0.00% Impervious Runoff Depth>0.98"
Flow Length=9,785' Tc=53.1 min CN=75 Runoff=506.26 cfs 81.741 af

Subcatchment7S: 7 Runoff Area=103.200 ac 0.00% Impervious Runoff Depth>0.94"
Flow Length=3,500' Slope=0.0900 '/' Tc=24.2 min CN=74 Runoff=72.97 cfs 8.078 af

Subcatchment8S: 8 Runoff Area=726.600 ac 0.00% Impervious Runoff Depth>1.02"
Flow Length=8,910' Tc=92.8 min CN=76 Runoff=272.90 cfs 61.965 af

Subcatchment9S: 9 Runoff Area=94.100 ac 0.00% Impervious Runoff Depth>0.84"
Flow Length=2,775' Tc=21.4 min CN=72 Runoff=60.65 cfs 6.572 af

Subcatchment10S: 10 Runoff Area=23.700 ac 0.00% Impervious Runoff Depth>0.61"
Flow Length=1,385' Tc=29.0 min CN=67 Runoff=8.59 cfs 1.201 af

Subcatchment11S: 11 Runoff Area=680.000 ac 0.00% Impervious Runoff Depth>0.68"
Flow Length=8,510' Tc=93.4 min CN=69 Runoff=152.12 cfs 38.316 af

Subcatchment12S: 12 Runoff Area=200.100 ac 0.00% Impervious Runoff Depth>0.60"
Flow Length=5,325' Tc=49.2 min CN=67 Runoff=56.76 cfs 10.053 af

Subcatchment13S: 13 Runoff Area=138.800 ac 0.00% Impervious Runoff Depth>0.88"
Flow Length=4,230' Tc=36.3 min CN=73 Runoff=74.83 cfs 10.220 af

Subcatchment14S: 14 Runoff Area=92.000 ac 0.00% Impervious Runoff Depth>1.04"
Flow Length=3,010' Tc=42.3 min CN=76 Runoff=56.23 cfs 7.986 af

Subcatchment15S: 15 Runoff Area=84.700 ac 0.00% Impervious Runoff Depth>1.05"
Flow Length=1,410' Tc=22.6 min CN=76 Runoff=70.94 cfs 7.401 af

Subcatchment31BS: 1.2 Runoff Area=6.650 ac 0.00% Impervious Runoff Depth>1.64"
Tc=10.0 min CN=85 Runoff=13.08 cfs 0.906 af

Subcatchment31S: 1.1 Runoff Area=6.650 ac 0.00% Impervious Runoff Depth>1.64"
Tc=10.0 min CN=85 Runoff=13.08 cfs 0.906 af

Subcatchment32S: 2.1 Runoff Area=2.000 ac 0.00% Impervious Runoff Depth>1.79"
Tc=10.0 min CN=87 Runoff=4.31 cfs 0.298 af

Subcatchment33S: 4.1 Runoff Area=4.000 ac 0.00% Impervious Runoff Depth>1.79"
Tc=10.0 min CN=87 Runoff=8.62 cfs 0.596 af

Subcatchment34AS: 6.1 Runoff Area=4.700 ac 0.00% Impervious Runoff Depth>1.49"
Tc=10.0 min CN=83 Runoff=8.38 cfs 0.584 af

Subcatchment34BS: 6.2 Runoff Area=4.700 ac 0.00% Impervious Runoff Depth>1.49"
Tc=10.0 min CN=83 Runoff=8.38 cfs 0.584 af

Subcatchment35S: 7.1 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth>1.71"
Tc=10.0 min CN=86 Runoff=3.30 cfs 0.228 af

Subcatchment36AS: 8.1 Runoff Area=4.250 ac 0.00% Impervious Runoff Depth>1.79"
Tc=10.0 min CN=87 Runoff=9.16 cfs 0.633 af

Subcatchment36BS: 8.2 Runoff Area=4.250 ac 0.00% Impervious Runoff Depth>1.79"
Tc=10.0 min CN=87 Runoff=9.16 cfs 0.633 af

Subcatchment37S: 9.1 Runoff Area=0.700 ac 0.00% Impervious Runoff Depth>1.71"
Tc=10.0 min CN=86 Runoff=1.44 cfs 0.100 af

Subcatchment38S: 10.1 Runoff Area=0.500 ac 0.00% Impervious Runoff Depth>1.56"
Tc=10.0 min CN=84 Runoff=0.94 cfs 0.065 af

Subcatchment39S: 11.1 Runoff Area=4.000 ac 0.00% Impervious Runoff Depth>1.23"
Tc=10.0 min CN=79 Runoff=5.74 cfs 0.410 af

Subcatchment40S: 12.1 Runoff Area=1.800 ac 0.00% Impervious Runoff Depth>1.36"
Tc=10.0 min CN=81 Runoff=2.89 cfs 0.203 af

Subcatchment41S: 13.1 Runoff Area=4.500 ac 0.00% Impervious Runoff Depth>1.64"
Tc=10.0 min CN=85 Runoff=8.85 cfs 0.613 af

Subcatchment42S: 14.1 Runoff Area=0.500 ac 0.00% Impervious Runoff Depth>1.79"
Tc=10.0 min CN=87 Runoff=1.08 cfs 0.074 af

Subcatchment43S: 15.1 Runoff Area=1.100 ac 0.00% Impervious Runoff Depth>1.79"
Tc=10.0 min CN=87 Runoff=2.37 cfs 0.164 af

Pond 1AP: Dry Swale 1.1 Peak Elev=0.41' Storage=0.469 af Inflow=13.08 cfs 0.906 af
Outflow=0.77 cfs 0.743 af

Pond 1BP: Dry Swale 1.2 Peak Elev=0.41' Storage=0.469 af Inflow=13.08 cfs 0.906 af
Outflow=0.77 cfs 0.743 af

Pond 2P: Dry Swale 2 Peak Elev=0.44' Storage=0.157 af Inflow=4.31 cfs 0.298 af
Outflow=0.24 cfs 0.237 af

Pond 4P: Dry Swale 4 Peak Elev=0.44' Storage=0.314 af Inflow=8.62 cfs 0.596 af
Outflow=0.48 cfs 0.474 af

Pond 6AP: Dry Swale 6.1 Peak Elev=0.37' Storage=0.297 af Inflow=8.38 cfs 0.584 af
Outflow=0.52 cfs 0.496 af

Pond 6BP: Dry Swale 6.2 Peak Elev=0.37' Storage=0.297 af Inflow=8.38 cfs 0.584 af
Outflow=0.52 cfs 0.496 af

Pond 7P: Dry Swale 7 Peak Elev=0.42' Storage=0.119 af Inflow=3.30 cfs 0.228 af
Outflow=0.19 cfs 0.184 af

Pond 8AP: Dry Swale 8.1 Peak Elev=0.44' Storage=0.334 af Inflow=9.16 cfs 0.633 af
Outflow=0.51 cfs 0.504 af

Pond 8BP: Dry Swale 8.2 Peak Elev=0.44' Storage=0.334 af Inflow=9.16 cfs 0.633 af
Outflow=0.51 cfs 0.504 af

Pond 9P: Dry Swale 9 Peak Elev=0.43' Storage=0.052 af Inflow=1.44 cfs 0.100 af
Outflow=0.08 cfs 0.080 af

Pond 10P: Dry Swale 10 Peak Elev=0.39' Storage=0.033 af Inflow=0.94 cfs 0.065 af
Outflow=0.06 cfs 0.054 af

Pond 11P: Dry Swale 11 Peak Elev=0.30' Storage=0.197 af Inflow=5.74 cfs 0.410 af
Outflow=0.41 cfs 0.377 af

Pond 12P: Dry Swale 12 Peak Elev=0.34' Storage=0.101 af Inflow=2.89 cfs 0.203 af
Outflow=0.19 cfs 0.180 af

Pond 13P: Dry Swale 13 Peak Elev=0.41' Storage=0.319 af Inflow=8.85 cfs 0.613 af
Outflow=0.51 cfs 0.498 af

Pond 14P: Dry Swale 14 Peak Elev=0.44' Storage=0.039 af Inflow=1.08 cfs 0.074 af
Outflow=0.06 cfs 0.059 af

Pond 15P: Dry Swale 15 Peak Elev=0.44' Storage=0.086 af Inflow=2.37 cfs 0.164 af
Outflow=0.13 cfs 0.130 af

Link 1L: A Inflow=404.40 cfs 88.307 af
Primary=404.40 cfs 88.307 af

Link 2L: B Inflow=100.00 cfs 15.307 af
Primary=100.00 cfs 15.307 af

Link 3L: C Inflow=28.89 cfs 3.140 af
Primary=28.89 cfs 3.140 af

Link 4L: D Inflow=283.34 cfs 53.754 af
Primary=283.34 cfs 53.754 af

Link 5L: E Inflow=433.92 cfs 36.652 af
Primary=433.92 cfs 36.652 af

Link 6L: F Inflow=506.26 cfs 81.741 af
Primary=506.26 cfs 81.741 af

Link 7L: G Inflow=72.97 cfs 8.078 af
Primary=72.97 cfs 8.078 af

Link 8L: H Inflow=272.90 cfs 61.965 af
Primary=272.90 cfs 61.965 af

Link 9L: I Inflow=60.65 cfs 6.572 af
Primary=60.65 cfs 6.572 af

Link 10L: J Inflow=8.59 cfs 1.201 af
Primary=8.59 cfs 1.201 af

Link 11L: K Inflow=152.12 cfs 38.316 af
Primary=152.12 cfs 38.316 af

Link 12L: L Inflow=56.76 cfs 10.053 af
Primary=56.76 cfs 10.053 af

Link 13L: M Inflow=74.83 cfs 10.220 af
Primary=74.83 cfs 10.220 af

Link 14L: N Inflow=56.23 cfs 7.986 af
Primary=56.23 cfs 7.986 af

Link 15L: O Inflow=70.94 cfs 7.401 af
Primary=70.94 cfs 7.401 af

Total Runoff Area = 5,493.000 ac Runoff Volume = 437.692 af Average Runoff Depth = 0.96"
100.00% Pervious = 5,493.000 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: 1

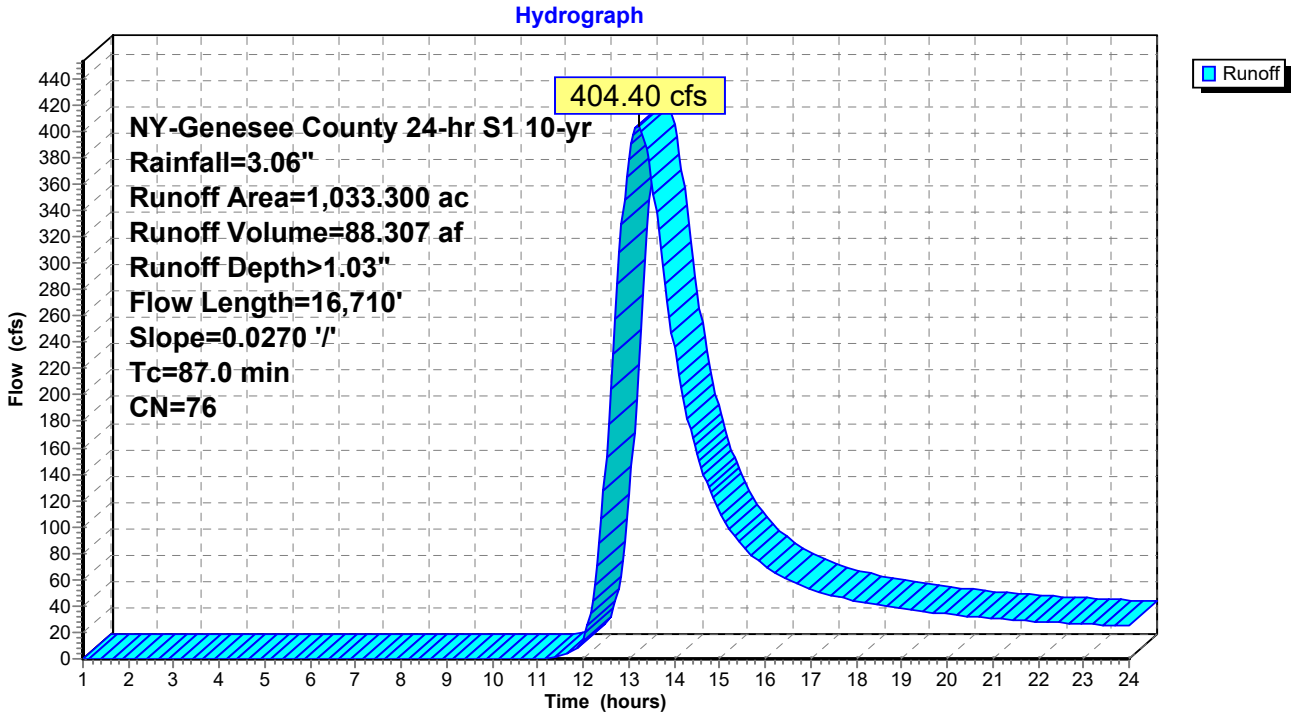
Runoff = 404.40 cfs @ 13.23 hrs, Volume= 88.307 af, Depth> 1.03"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	1,033.300	76	
	1,033.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
55.2	16,560		5.00		**Direct Entry,**
87.0	16,710	Total			

Subcatchment 1S: 1



Summary for Subcatchment 2S: 2

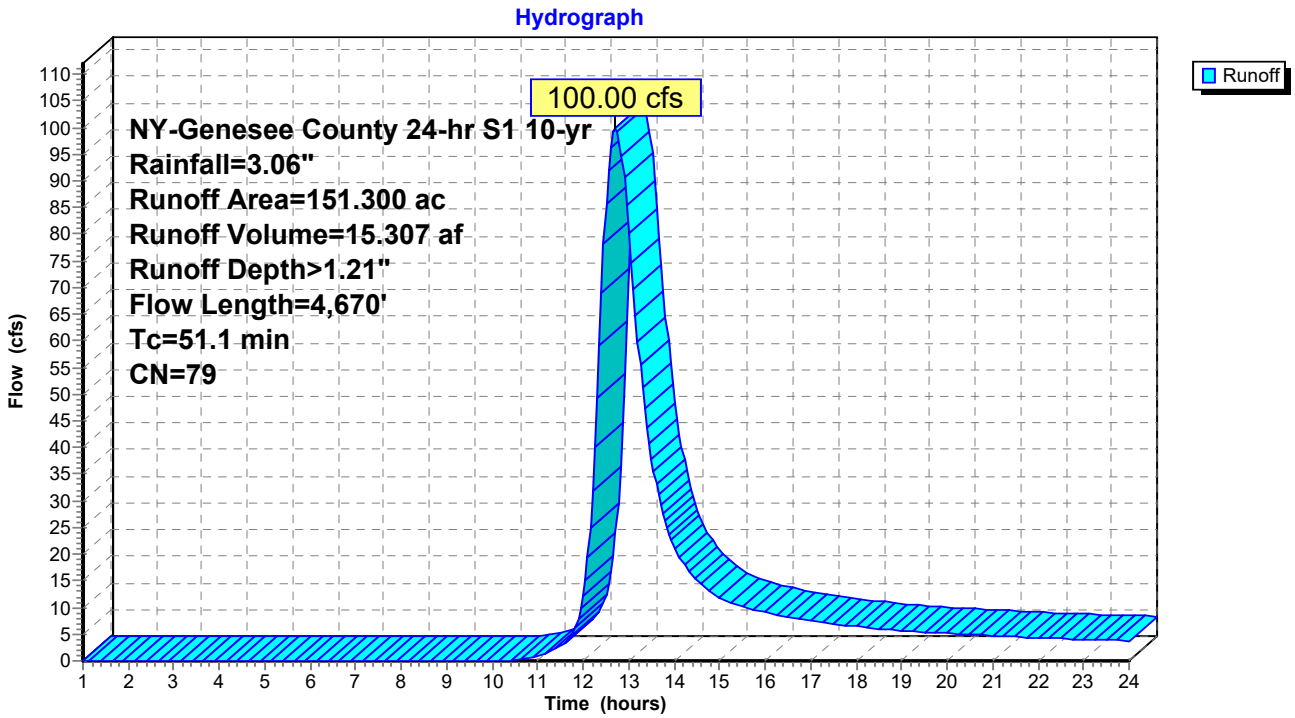
Runoff = 100.00 cfs @ 12.71 hrs, Volume= 15.307 af, Depth> 1.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	151.300	79	
	151.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.9	2,300	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.4	2,220		5.00		**Direct Entry,**
51.1	4,670	Total			

Subcatchment 2S: 2



Summary for Subcatchment 3S: 3

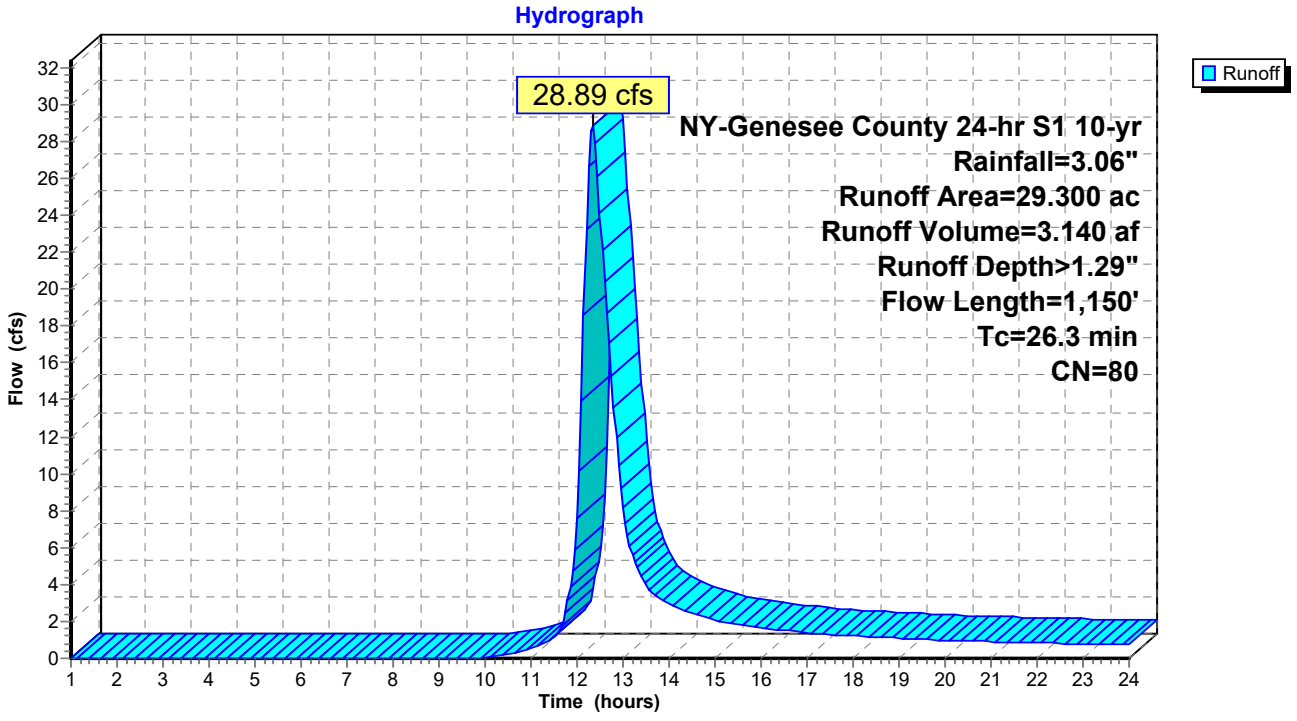
Runoff = 28.89 cfs @ 12.34 hrs, Volume= 3.140 af, Depth> 1.29"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	29.300	80	
	29.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,000	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
26.3	1,150	Total			

Subcatchment 3S: 3



Summary for Subcatchment 4S: 4

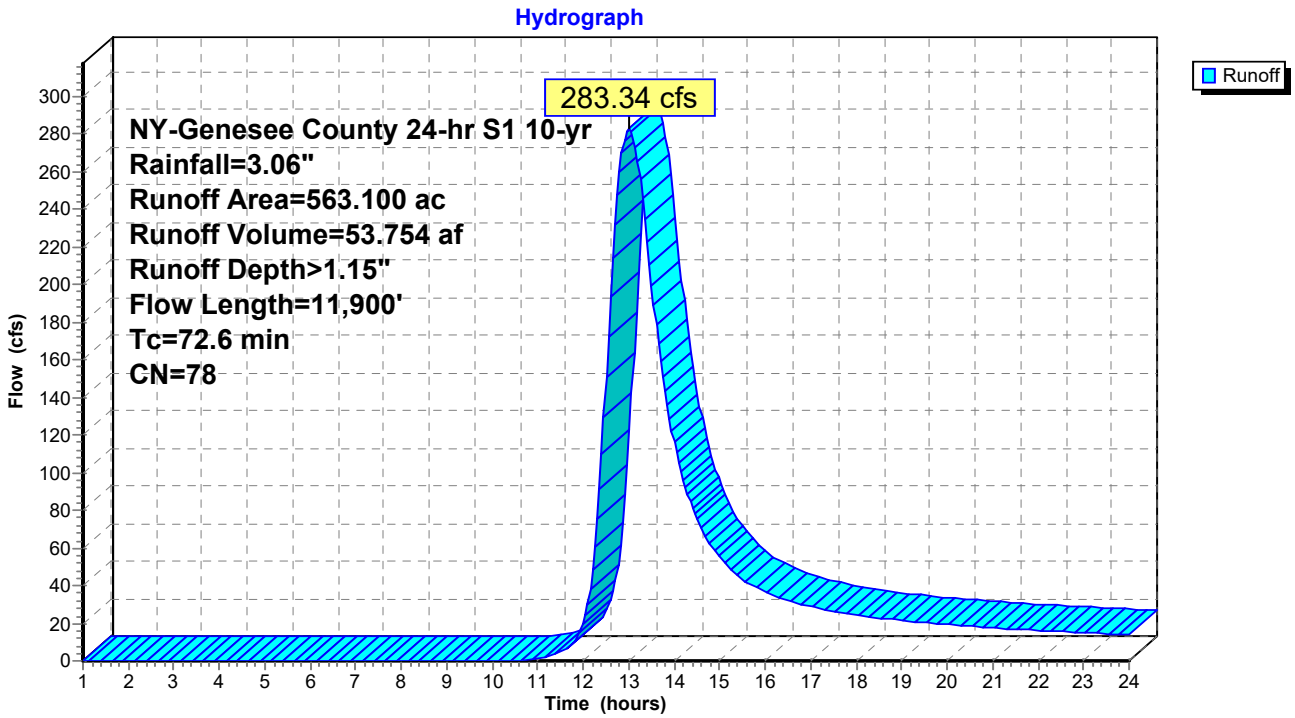
Runoff = 283.34 cfs @ 13.00 hrs, Volume= 53.754 af, Depth> 1.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	563.100	78	
	563.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
27.1	150	0.0400	0.09		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.7	1,600	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
33.8	10,150		5.00		**Direct Entry,**
72.6	11,900	Total			

Subcatchment 4S: 4



Summary for Subcatchment 5S: 5

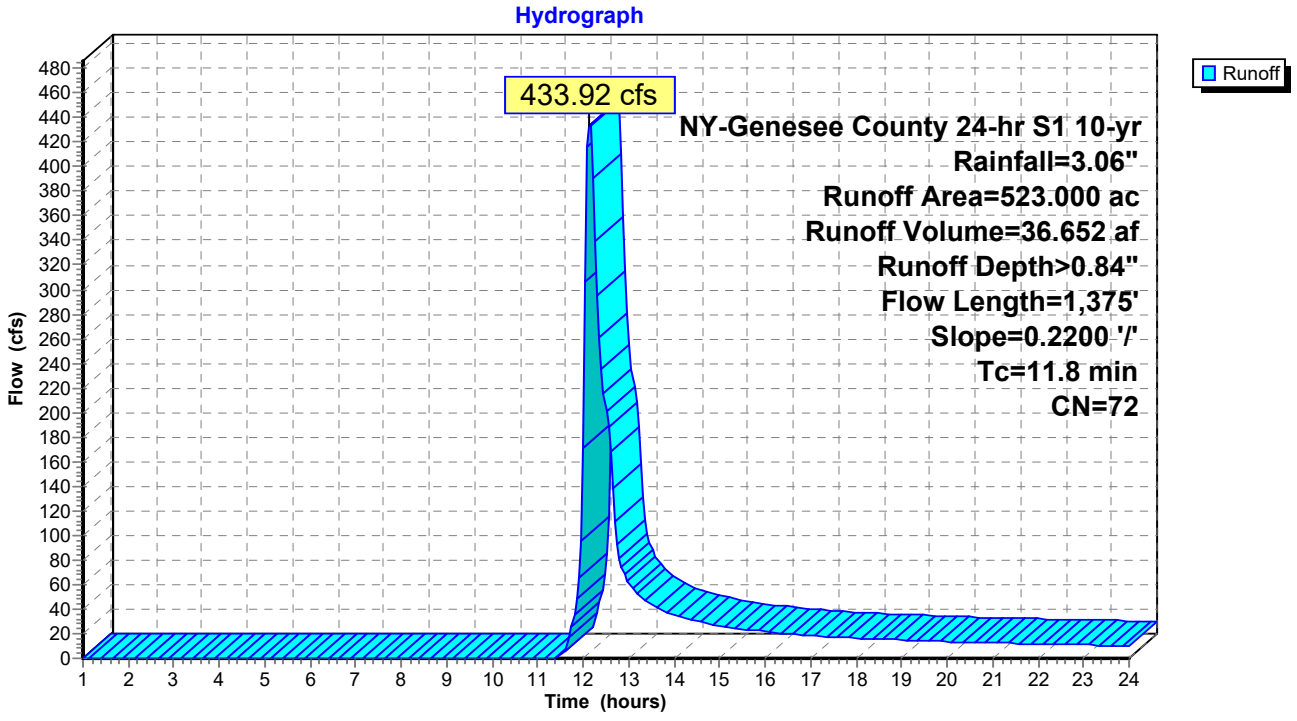
Runoff = 433.92 cfs @ 12.14 hrs, Volume= 36.652 af, Depth> 0.84"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	523.000	72	
	523.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	150	0.2200	0.27		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	1,225	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.8	1,375	Total			

Subcatchment 5S: 5



Summary for Subcatchment 6S: 6

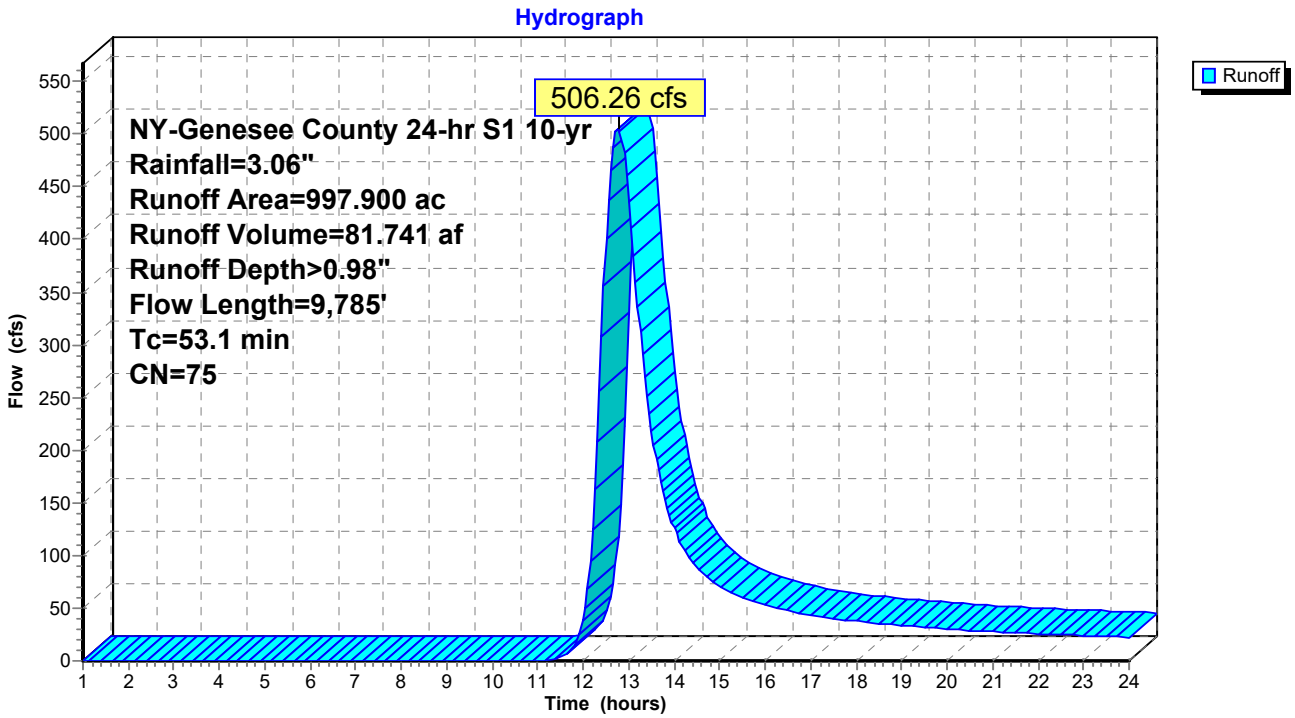
Runoff = 506.26 cfs @ 12.77 hrs, Volume= 81.741 af, Depth> 0.98"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	997.900	75	
	997.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.7	1,450	0.1000	5.09		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
27.3	8,185		5.00		**Direct Entry,**
53.1	9,785	Total			

Subcatchment 6S: 6



Summary for Subcatchment 7S: 7

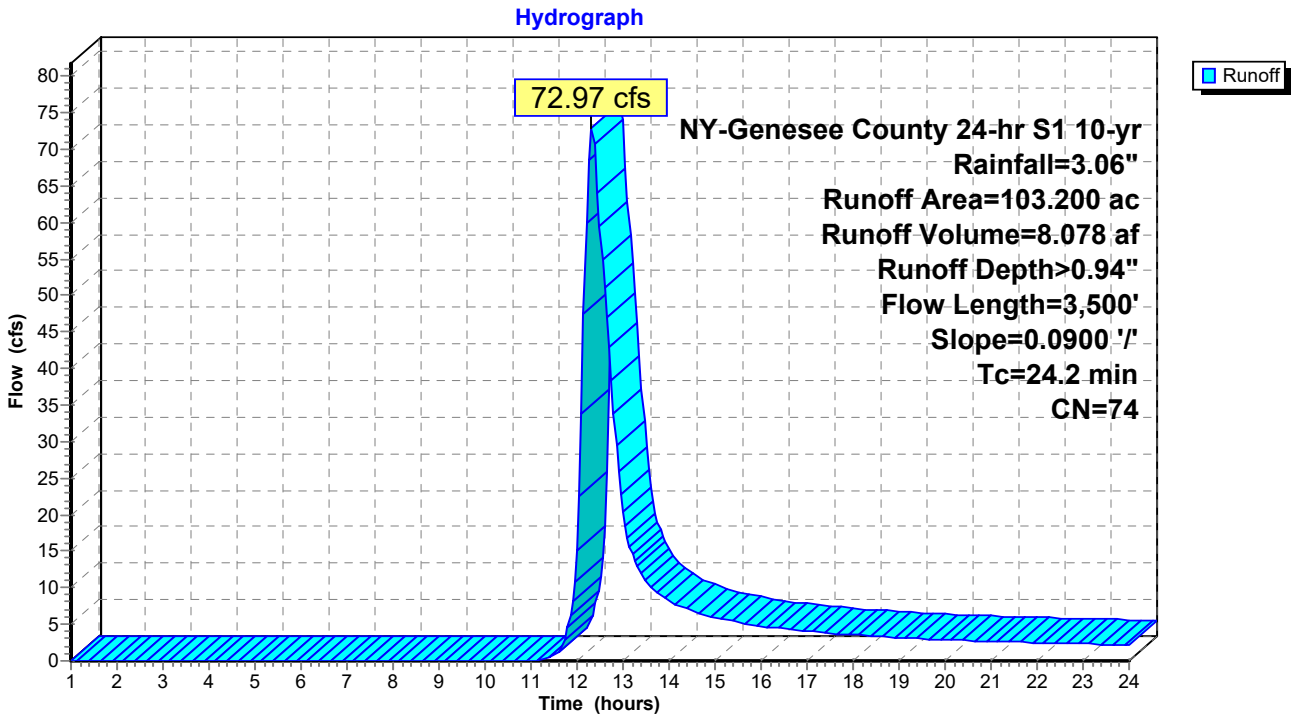
Runoff = 72.97 cfs @ 12.32 hrs, Volume= 8.078 af, Depth> 0.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	103.200	74	
	103.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	500	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
9.5	2,850		5.00		**Direct Entry,**
24.2	3,500	Total			

Subcatchment 7S: 7



Summary for Subcatchment 8S: 8

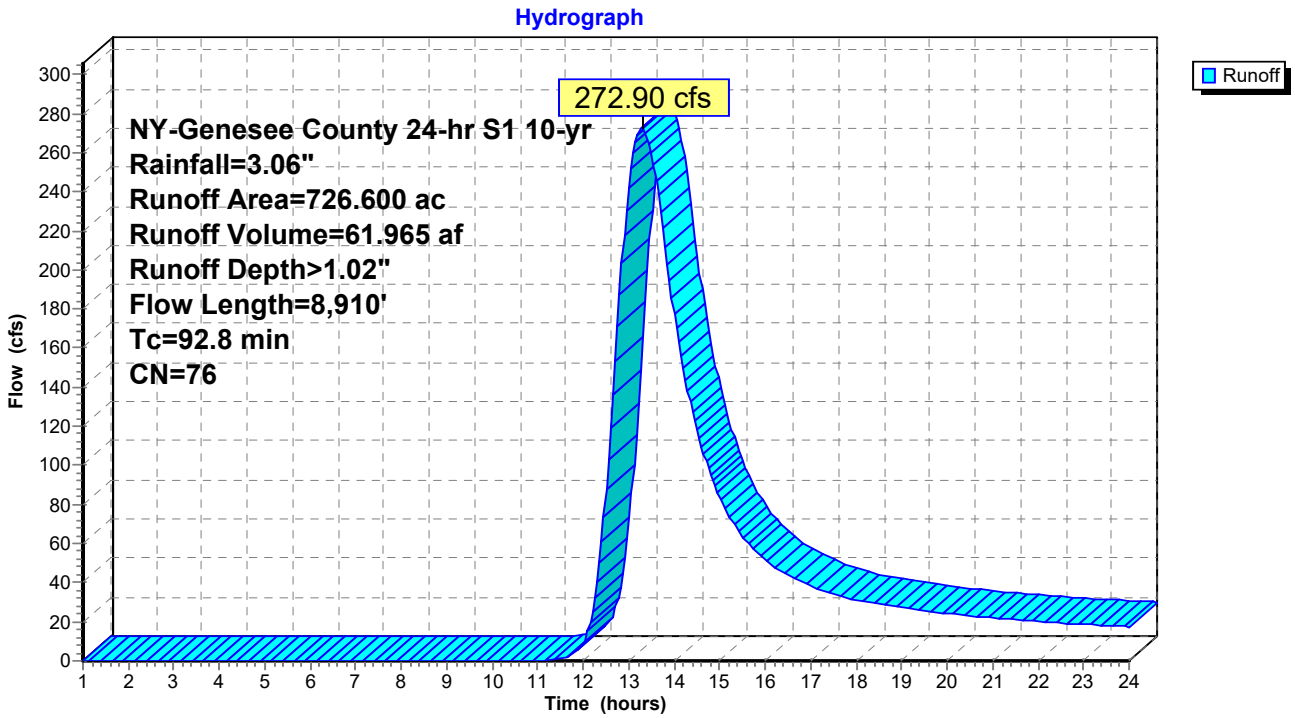
Runoff = 272.90 cfs @ 13.30 hrs, Volume= 61.965 af, Depth> 1.02"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	726.600	76	
	726.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
47.3	150	0.0100	0.05		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
30.0	4,100	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
15.5	4,660		5.00		**Direct Entry,**
92.8	8,910	Total			

Subcatchment 8S: 8



Summary for Subcatchment 9S: 9

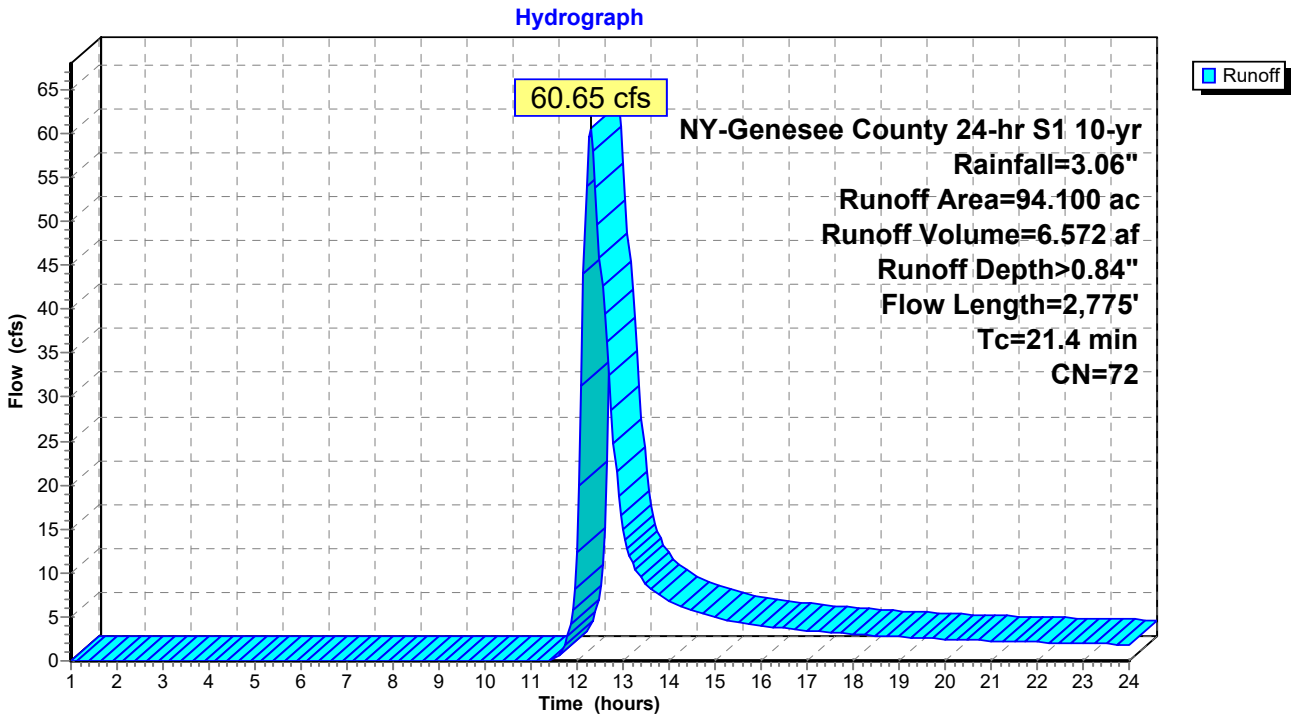
Runoff = 60.65 cfs @ 12.29 hrs, Volume= 6.572 af, Depth> 0.84"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	94.100	72	
	94.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	625	0.1500	6.24		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.7	2,000		5.00		**Direct Entry,**
21.4	2,775	Total			

Subcatchment 9S: 9



Summary for Subcatchment 10S: 10

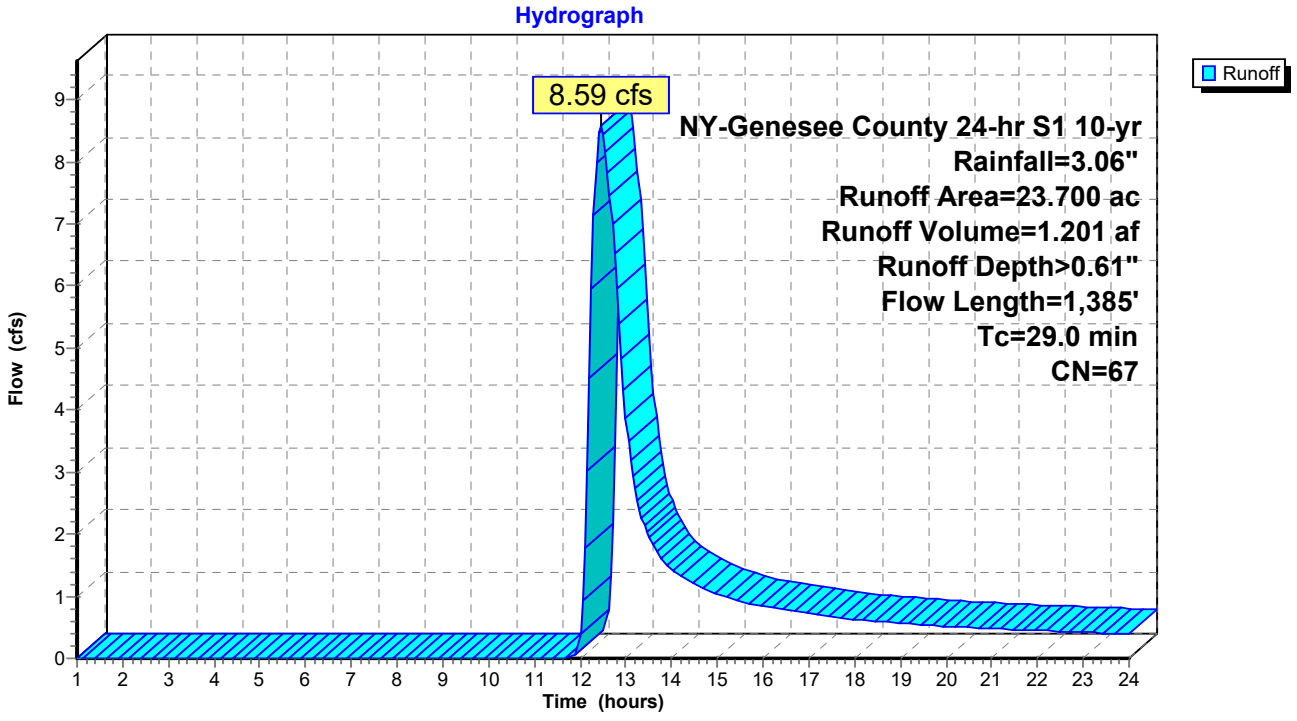
Runoff = 8.59 cfs @ 12.45 hrs, Volume= 1.201 af, Depth> 0.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	23.700	67	
	23.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,235	0.0600	3.94		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
29.0	1,385	Total			

Subcatchment 10S: 10



Summary for Subcatchment 11S: 11

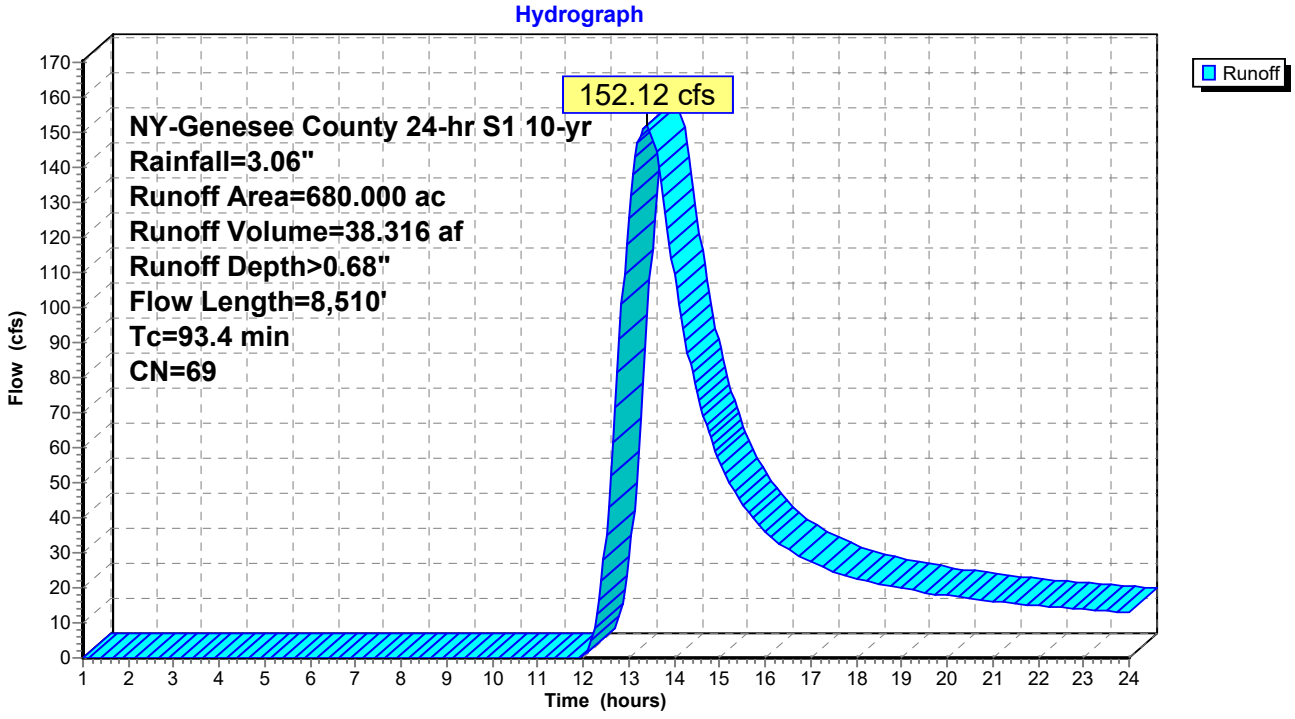
Runoff = 152.12 cfs @ 13.38 hrs, Volume= 38.316 af, Depth> 0.68"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	680.000	69	
	680.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.1	30	0.3300	0.23		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
64.2	6,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.2	2,160		5.00		**Direct Entry,**
93.4	8,510	Total			

Subcatchment 11S: 11



Summary for Subcatchment 12S: 12

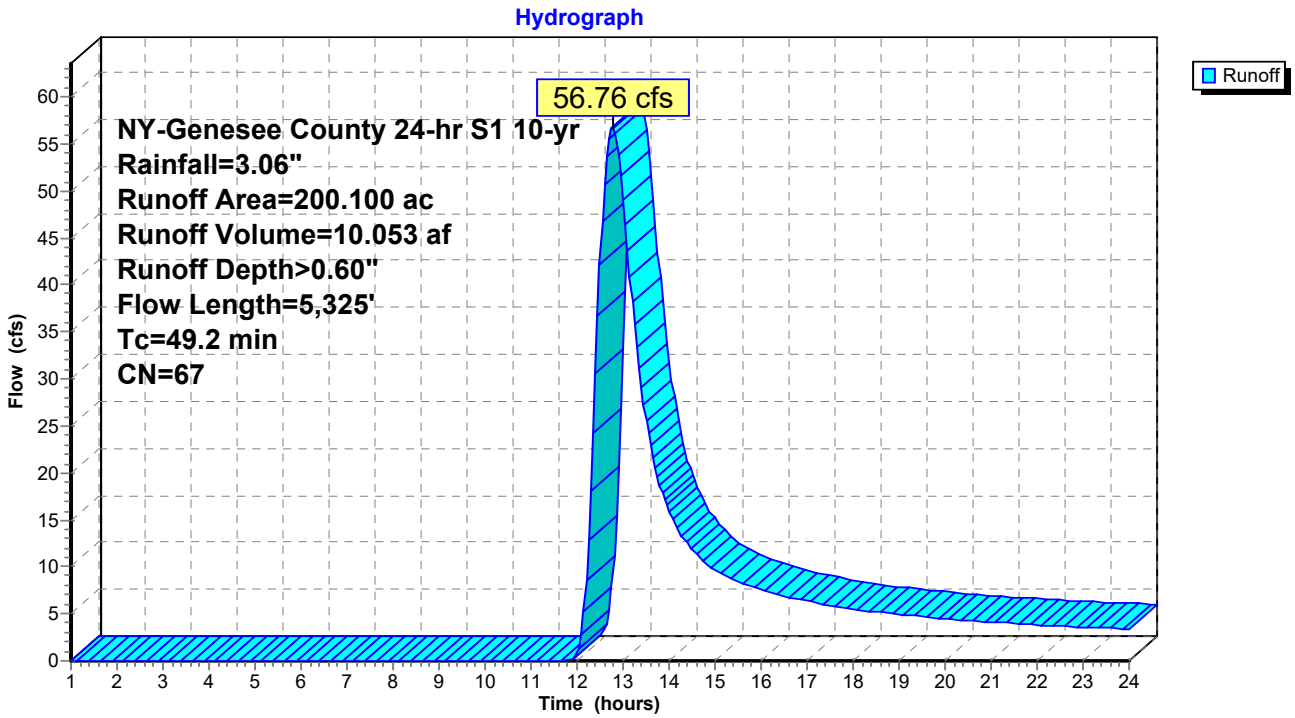
Runoff = 56.76 cfs @ 12.77 hrs, Volume= 10.053 af, Depth> 0.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	200.100	67	
	200.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.6	1,810	0.0800	4.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.2	3,365		5.00		**Direct Entry,**
49.2	5,325	Total			

Subcatchment 12S: 12



Summary for Subcatchment 13S: 13

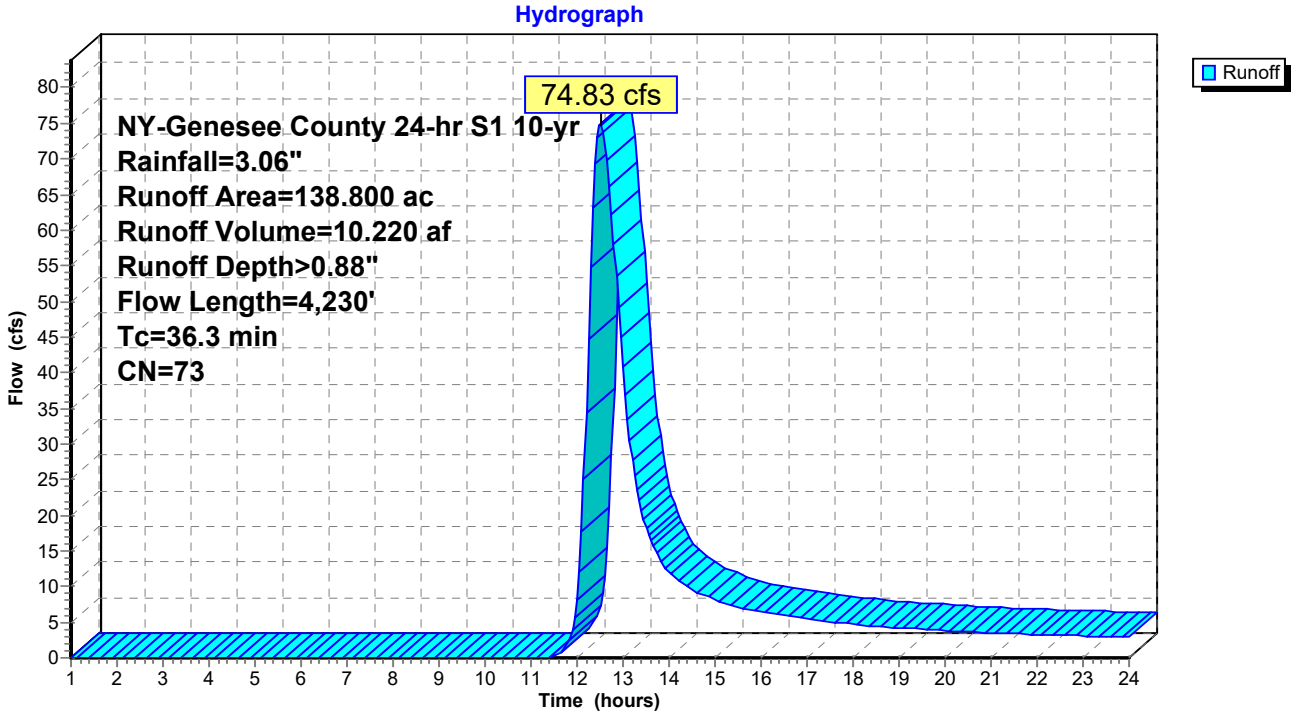
Runoff = 74.83 cfs @ 12.52 hrs, Volume= 10.220 af, Depth> 0.88"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	138.800	73	
	138.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.6	150	0.0100	0.12		**Sheet Flow,** Grass: Short n= 0.150 P2= 2.20"
2.8	510	0.0350	3.01		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.9	3,570		5.00		**Direct Entry,**
36.3	4,230	Total			

Subcatchment 13S: 13



Summary for Subcatchment 14S: 14

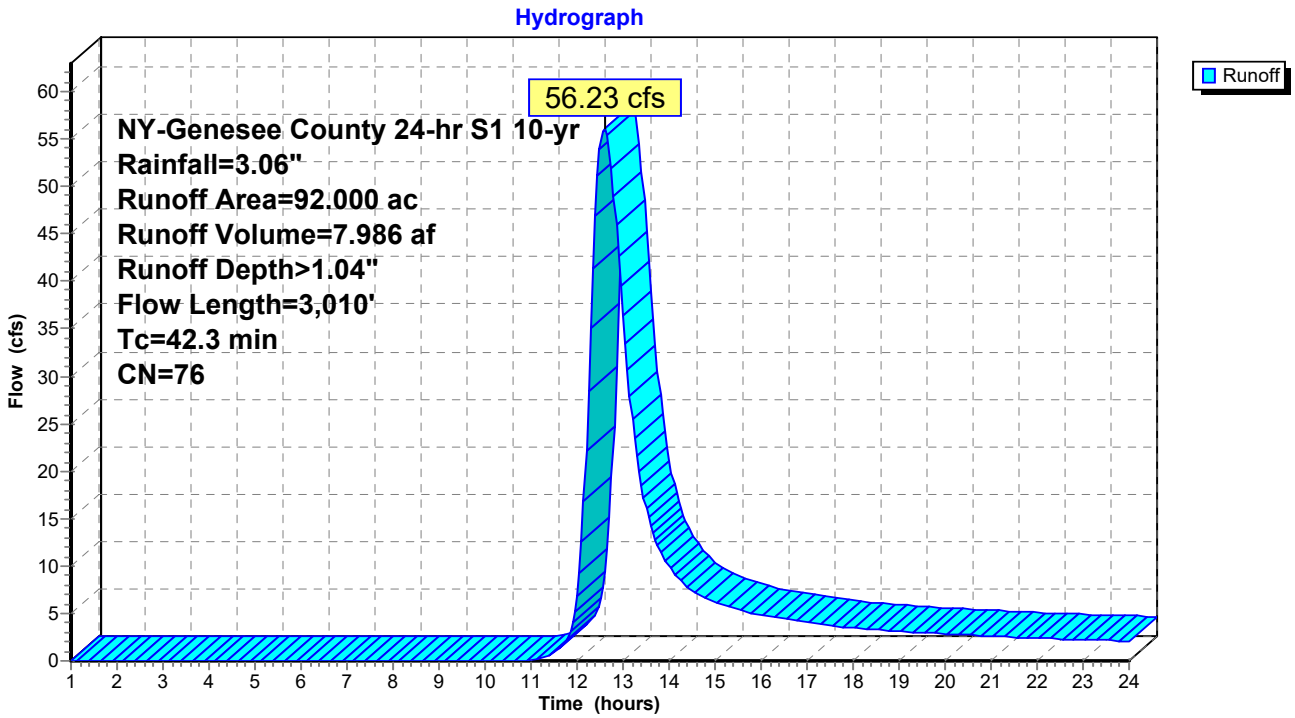
Runoff = 56.23 cfs @ 12.60 hrs, Volume= 7.986 af, Depth> 1.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	92.000	76	
	92.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.8	1,040	0.0500	3.60		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.1	1,820		5.00		**Direct Entry,**
42.3	3,010	Total			

Subcatchment 14S: 14



Summary for Subcatchment 15S: 15

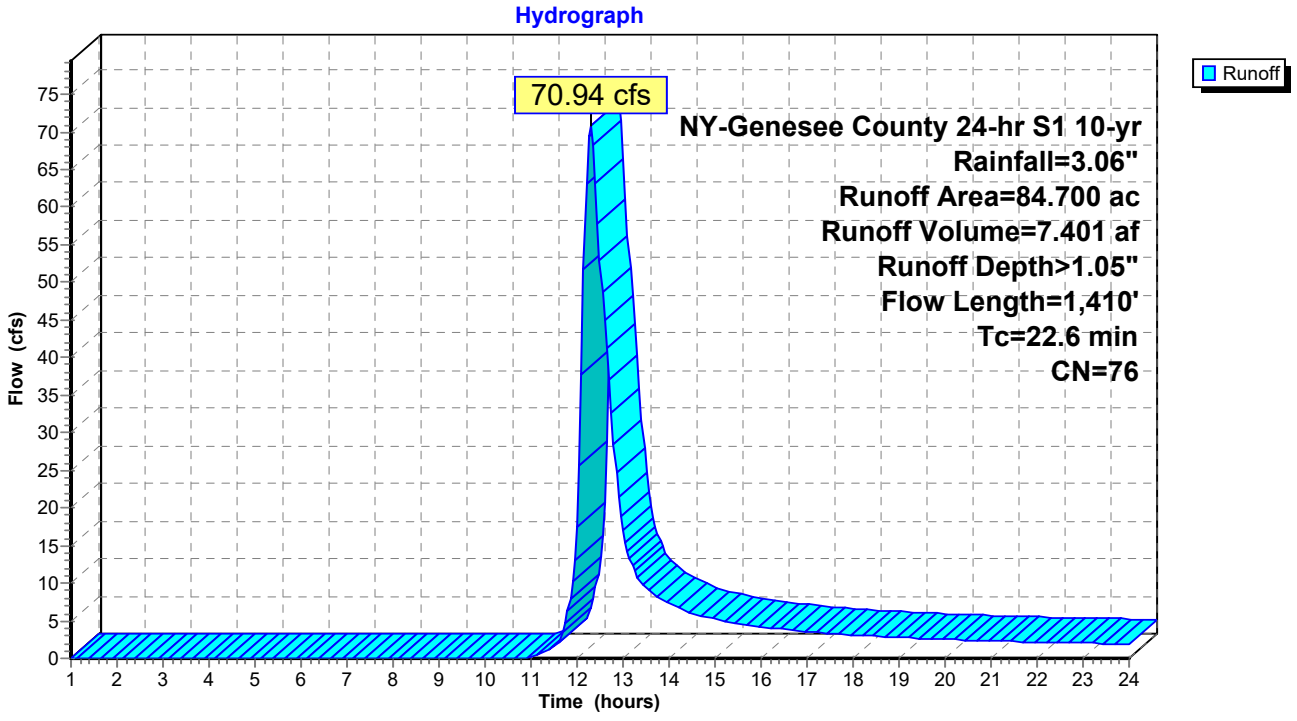
Runoff = 70.94 cfs @ 12.29 hrs, Volume= 7.401 af, Depth> 1.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	84.700	76	
	84.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.1	150	0.0530	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	1,260	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
22.6	1,410	Total			

Subcatchment 15S: 15



Summary for Subcatchment 31BS: 1.2

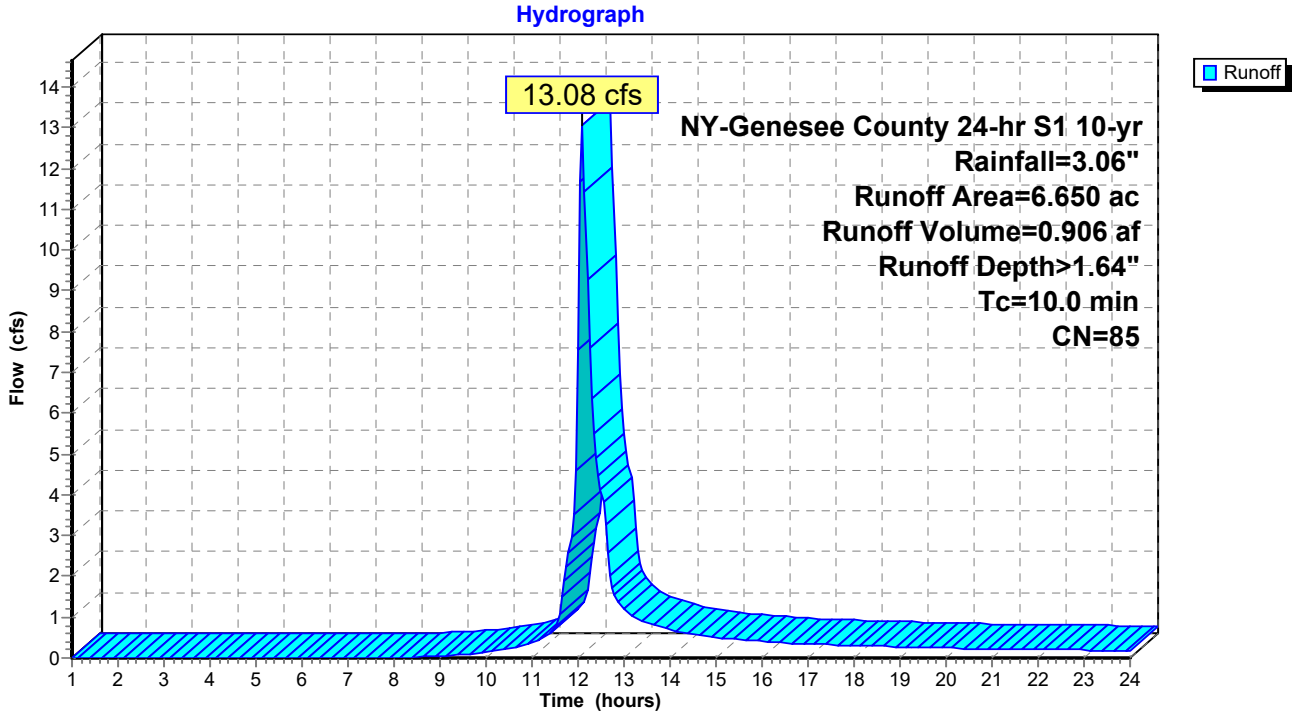
Runoff = 13.08 cfs @ 12.10 hrs, Volume= 0.906 af, Depth> 1.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	6.650	85	
	6.650		100.00% Pervious Area

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

Subcatchment 31BS: 1.2



Summary for Subcatchment 31S: 1.1

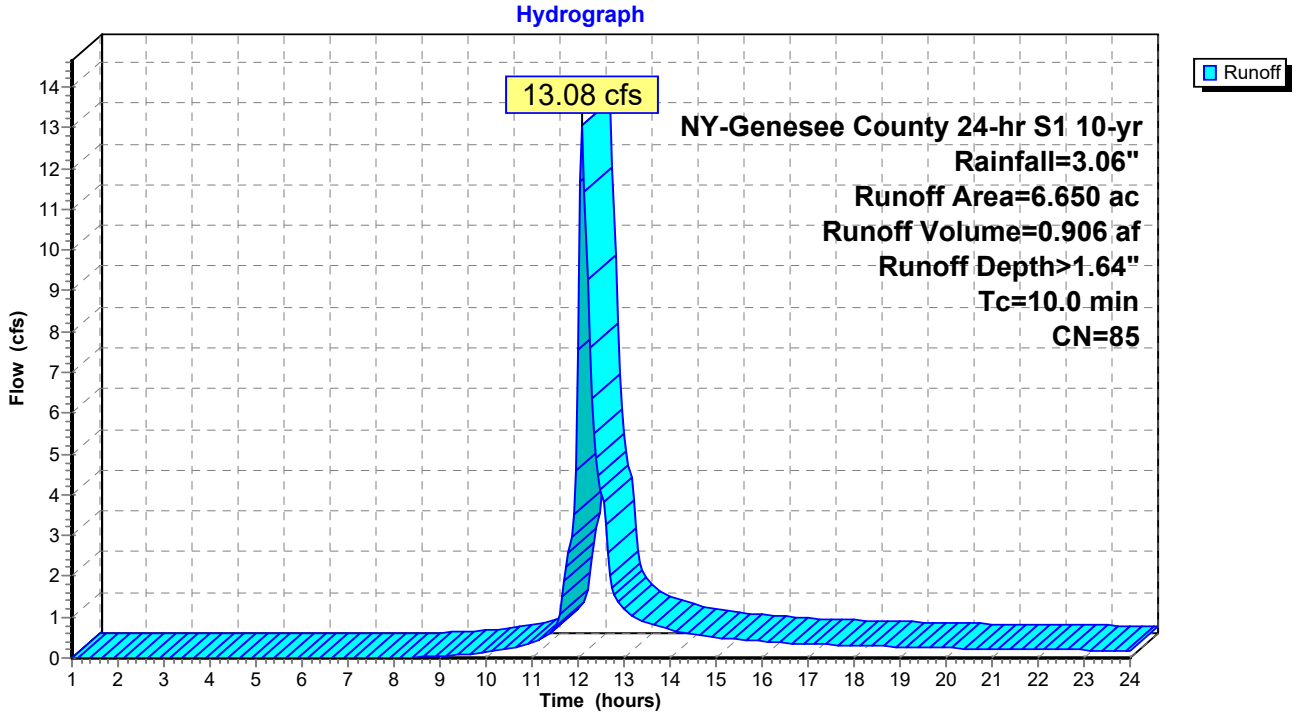
Runoff = 13.08 cfs @ 12.10 hrs, Volume= 0.906 af, Depth> 1.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	6.650	85	
	6.650		100.00% Pervious Area

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

Subcatchment 31S: 1.1



Summary for Subcatchment 32S: 2.1

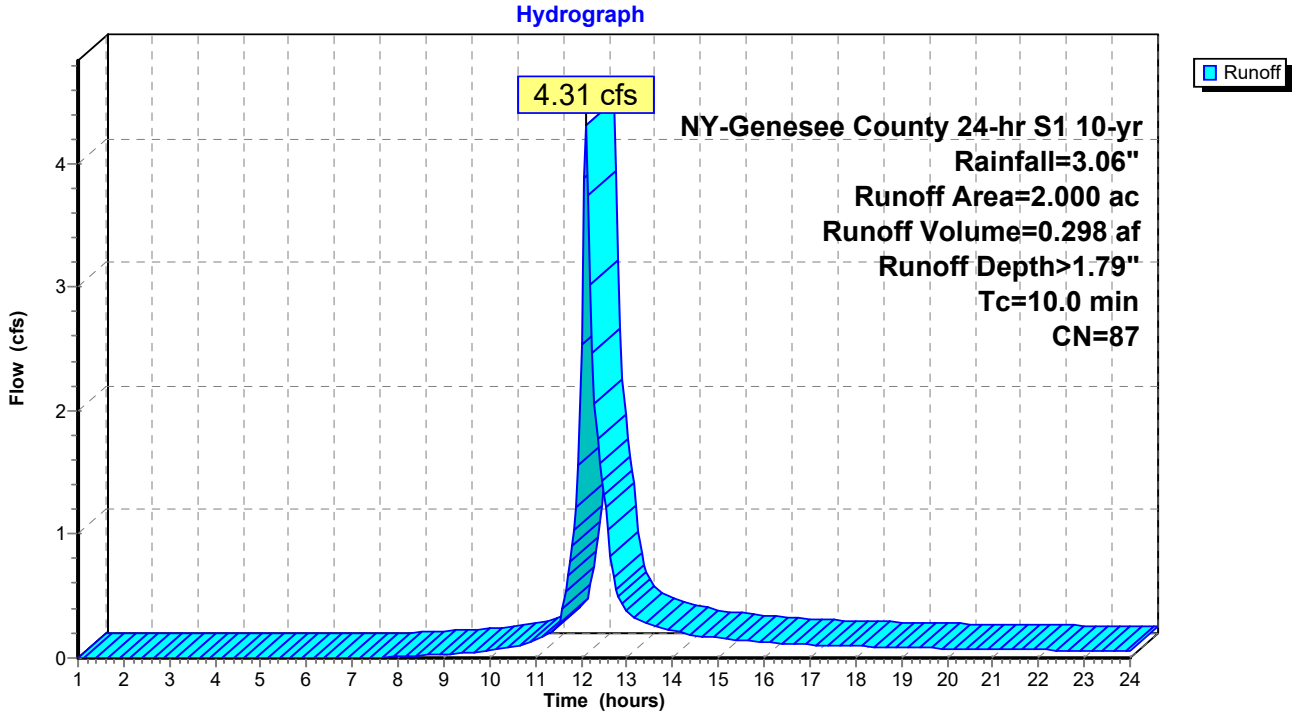
Runoff = 4.31 cfs @ 12.10 hrs, Volume= 0.298 af, Depth> 1.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	2.000	87	
	2.000		100.00% Pervious Area

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

Subcatchment 32S: 2.1



Summary for Subcatchment 33S: 4.1

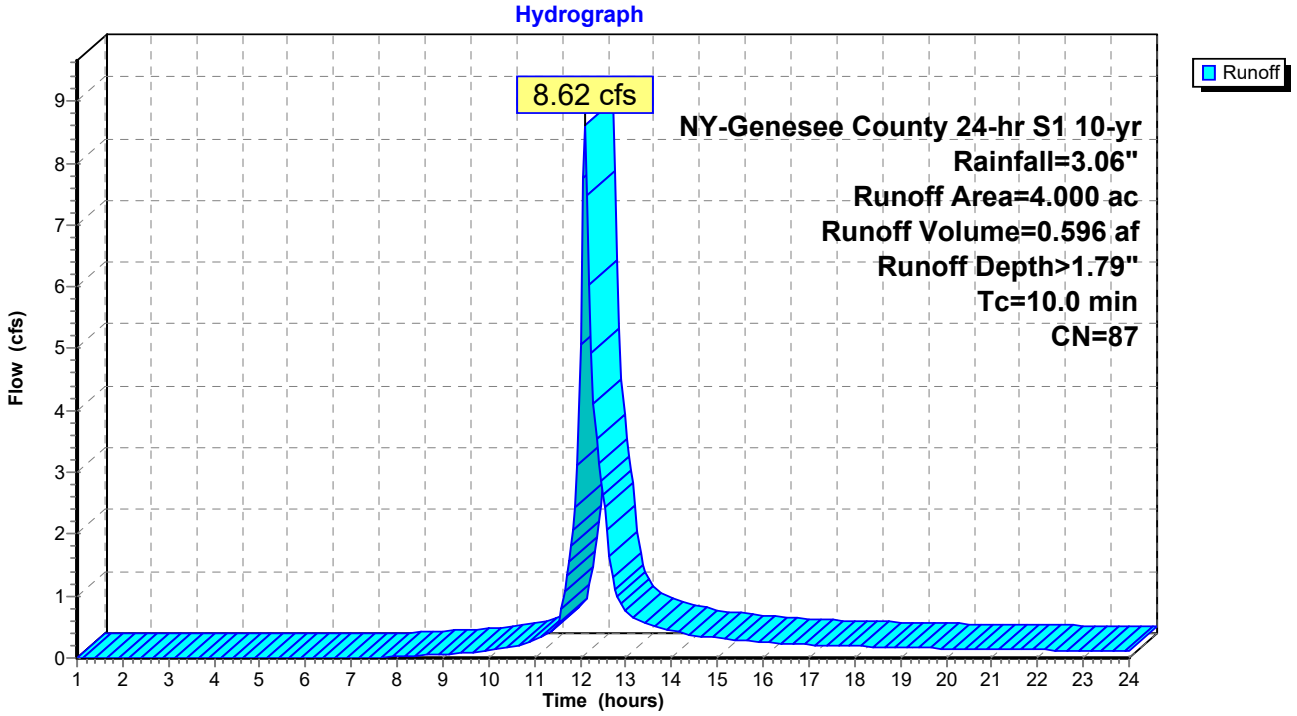
Runoff = 8.62 cfs @ 12.10 hrs, Volume= 0.596 af, Depth> 1.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	4.000	87	
	4.000		100.00% Pervious Area

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

Subcatchment 33S: 4.1



Summary for Subcatchment 34AS: 6.1

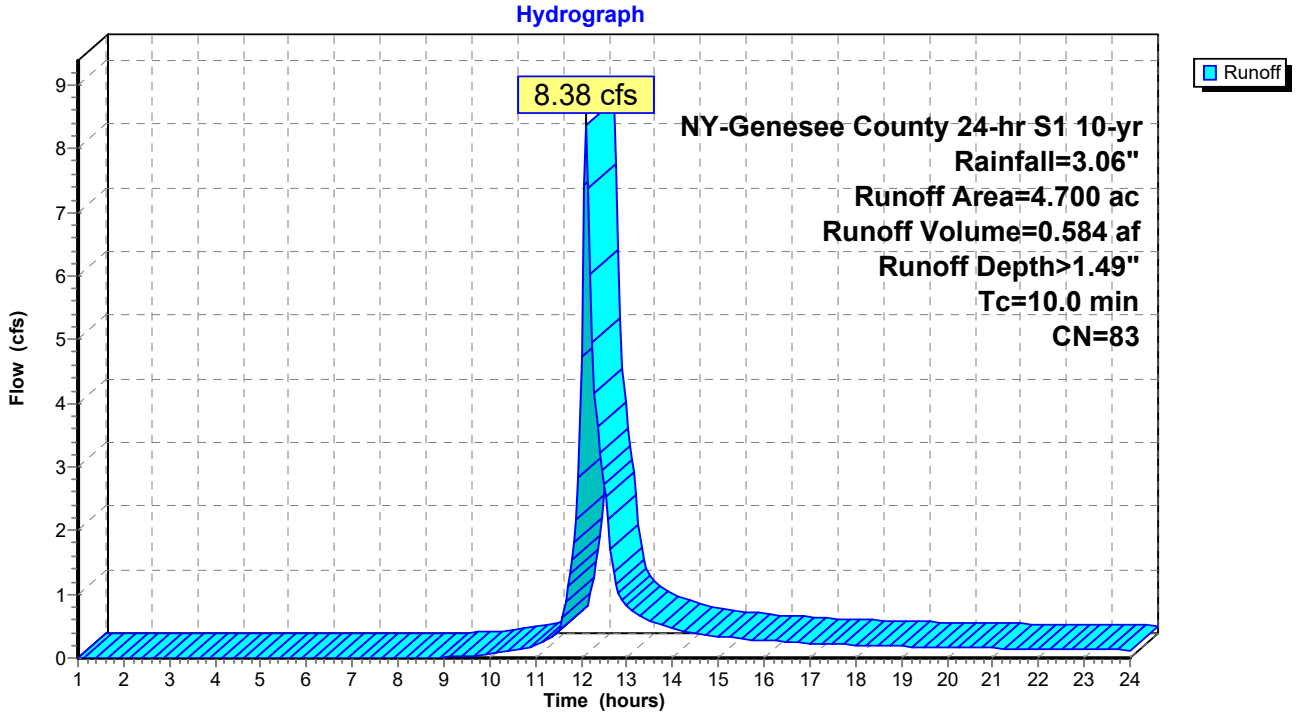
Runoff = 8.38 cfs @ 12.10 hrs, Volume= 0.584 af, Depth> 1.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	4.700	83	
	4.700		100.00% Pervious Area

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

Subcatchment 34AS: 6.1



Summary for Subcatchment 34BS: 6.2

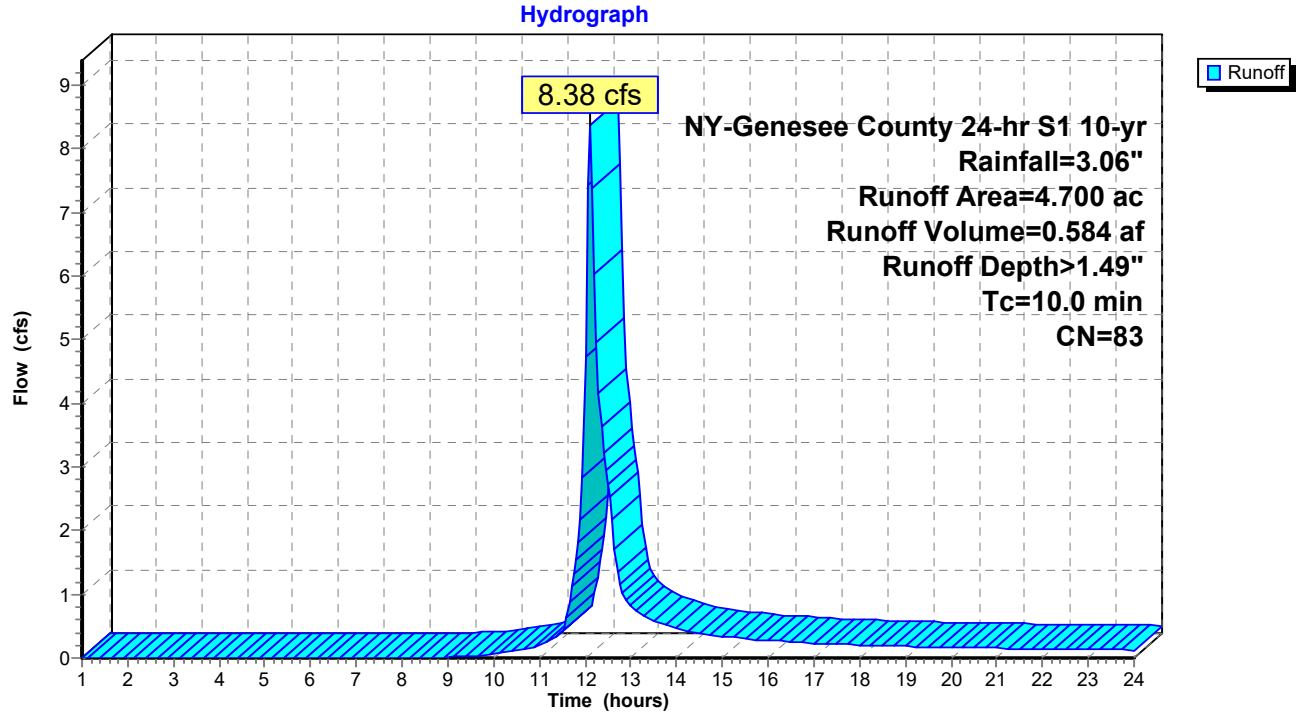
Runoff = 8.38 cfs @ 12.10 hrs, Volume= 0.584 af, Depth> 1.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	4.700	83	
	4.700		100.00% Pervious Area

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

Subcatchment 34BS: 6.2



Summary for Subcatchment 35S: 7.1

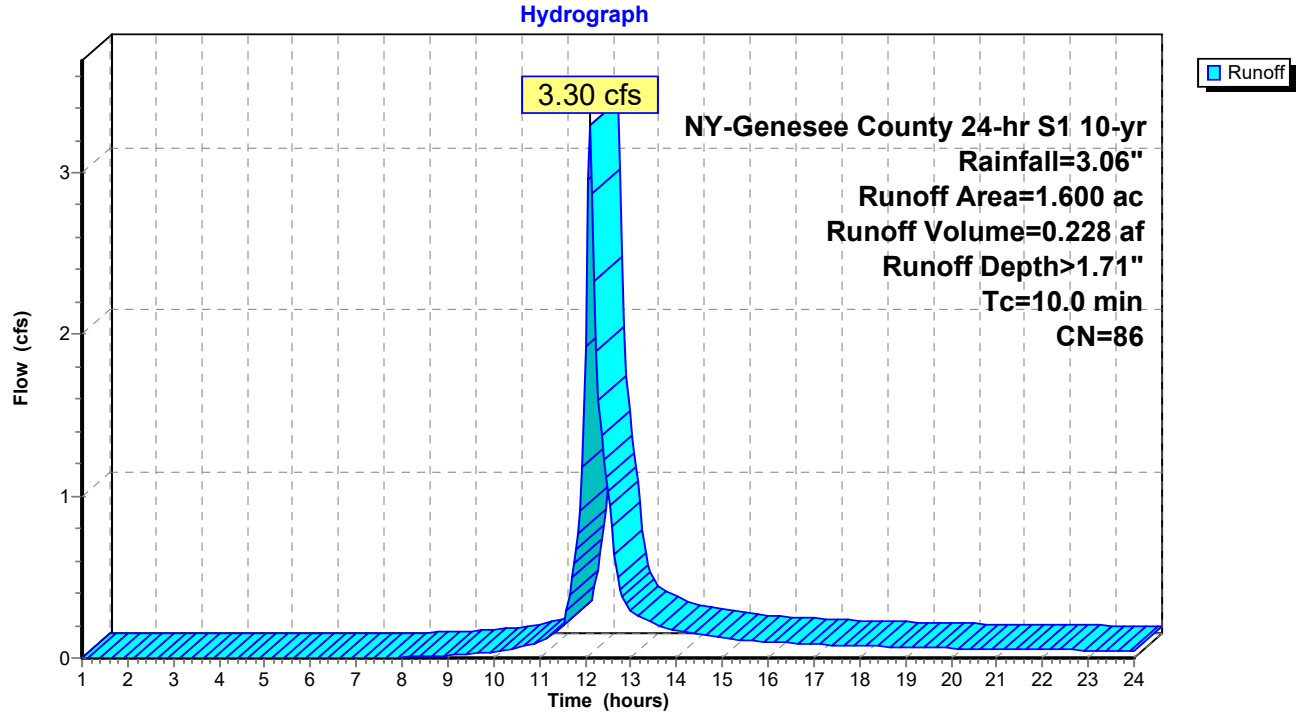
Runoff = 3.30 cfs @ 12.10 hrs, Volume= 0.228 af, Depth> 1.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	1.600	86	
	1.600		100.00% Pervious Area

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

Subcatchment 35S: 7.1



Summary for Subcatchment 36AS: 8.1

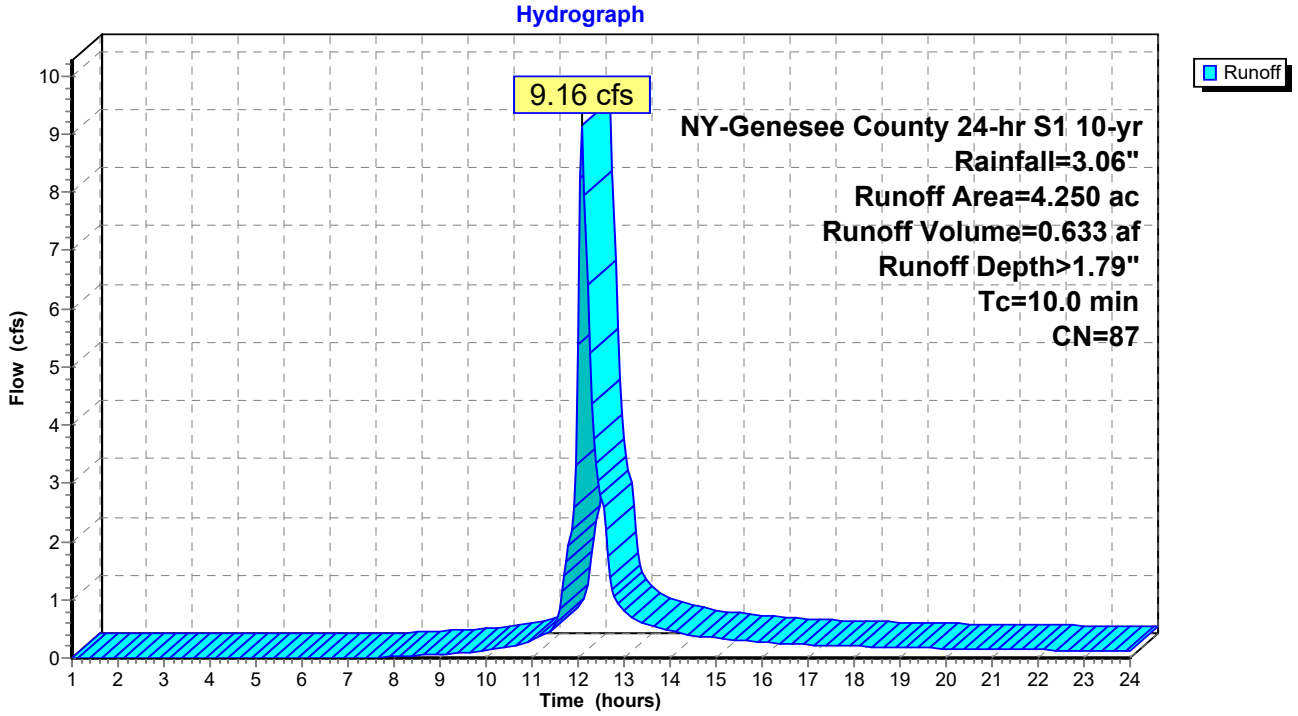
Runoff = 9.16 cfs @ 12.10 hrs, Volume= 0.633 af, Depth> 1.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	4.250	87	
	4.250		100.00% Pervious Area

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

Subcatchment 36AS: 8.1



Summary for Subcatchment 36BS: 8.2

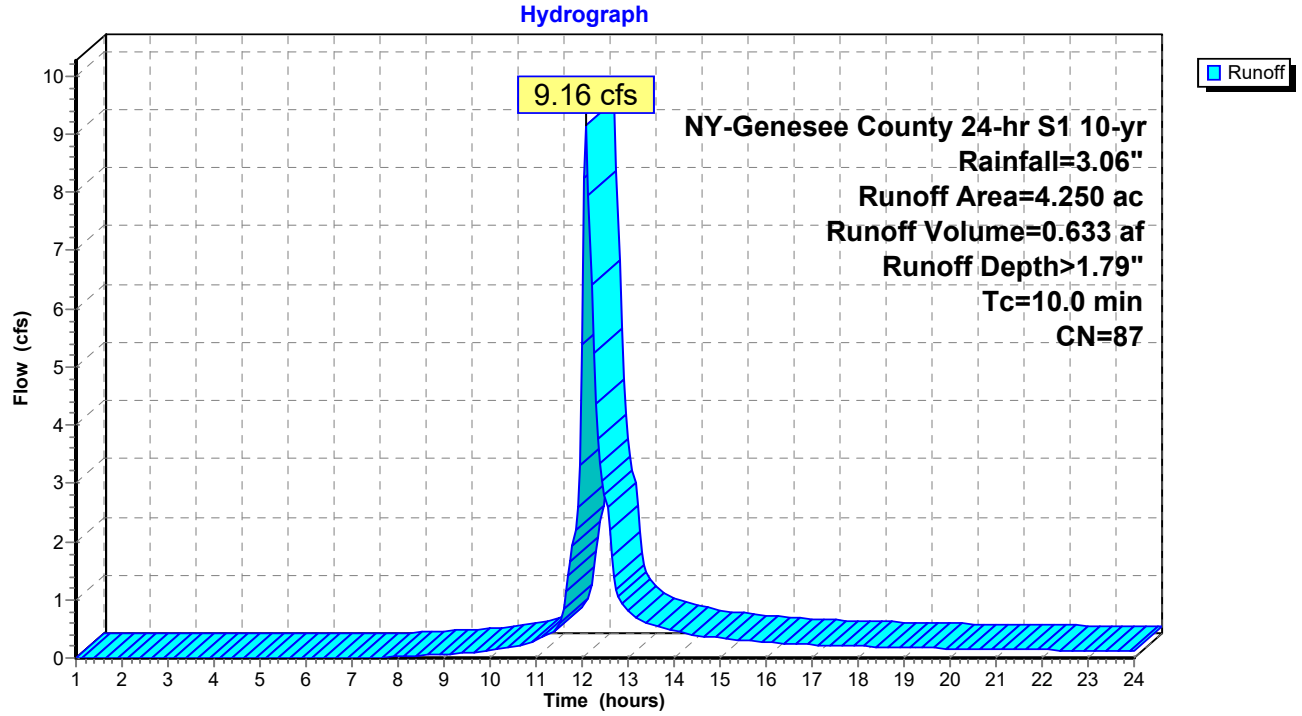
Runoff = 9.16 cfs @ 12.10 hrs, Volume= 0.633 af, Depth> 1.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	4.250	87	
	4.250		100.00% Pervious Area

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

Subcatchment 36BS: 8.2



Summary for Subcatchment 37S: 9.1

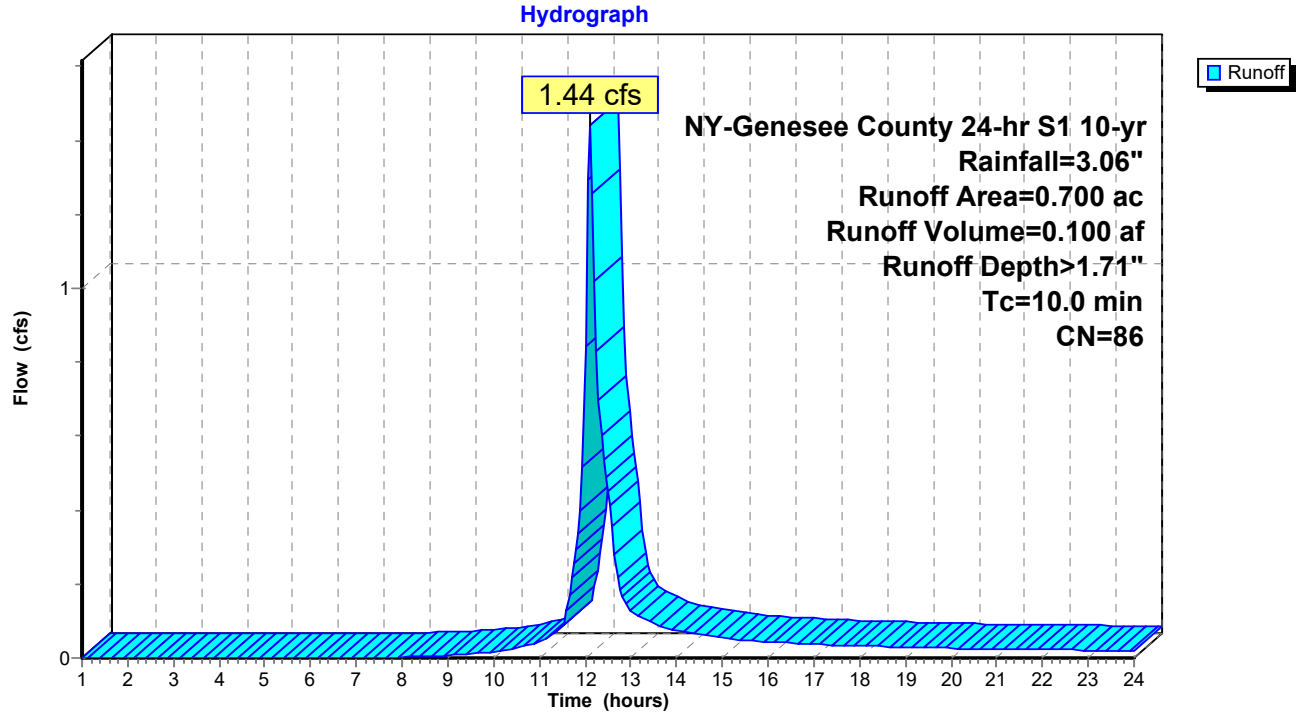
Runoff = 1.44 cfs @ 12.10 hrs, Volume= 0.100 af, Depth> 1.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	0.700	86	
	0.700		100.00% Pervious Area

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

Subcatchment 37S: 9.1



Summary for Subcatchment 38S: 10.1

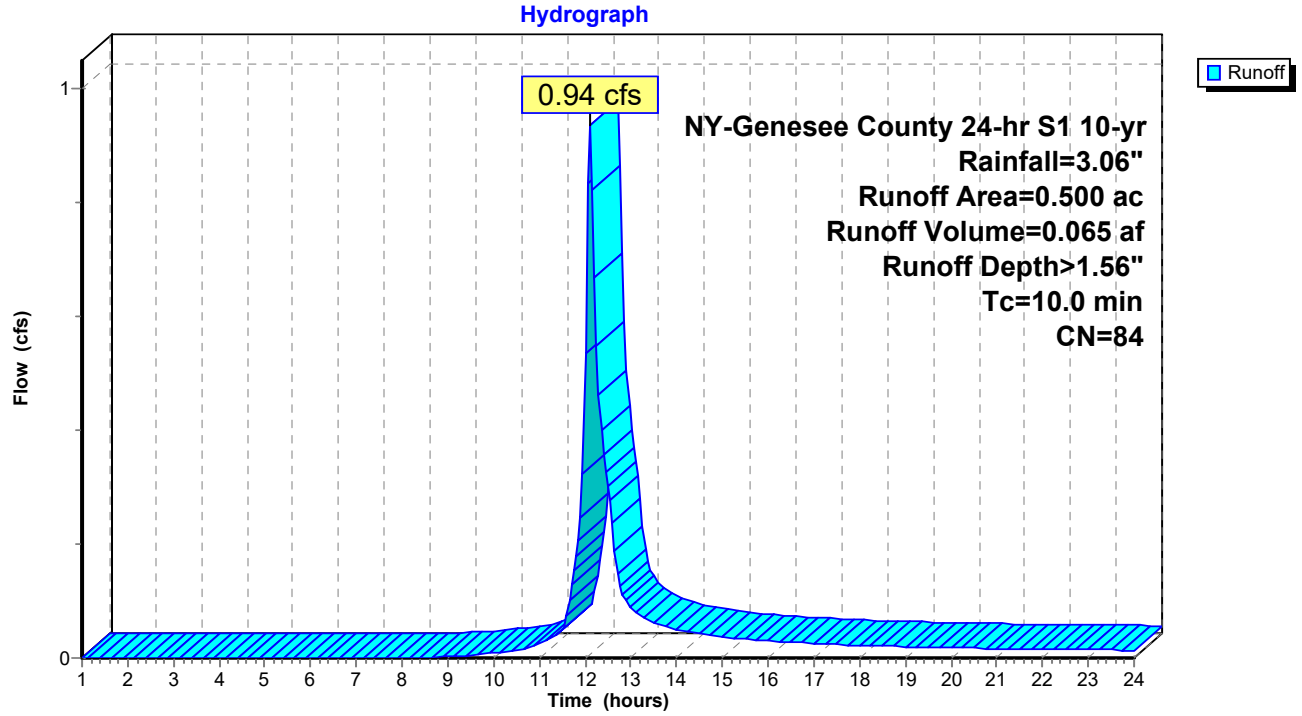
Runoff = 0.94 cfs @ 12.10 hrs, Volume= 0.065 af, Depth> 1.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	0.500	84	
	0.500		100.00% Pervious Area

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

Subcatchment 38S: 10.1



Summary for Subcatchment 39S: 11.1

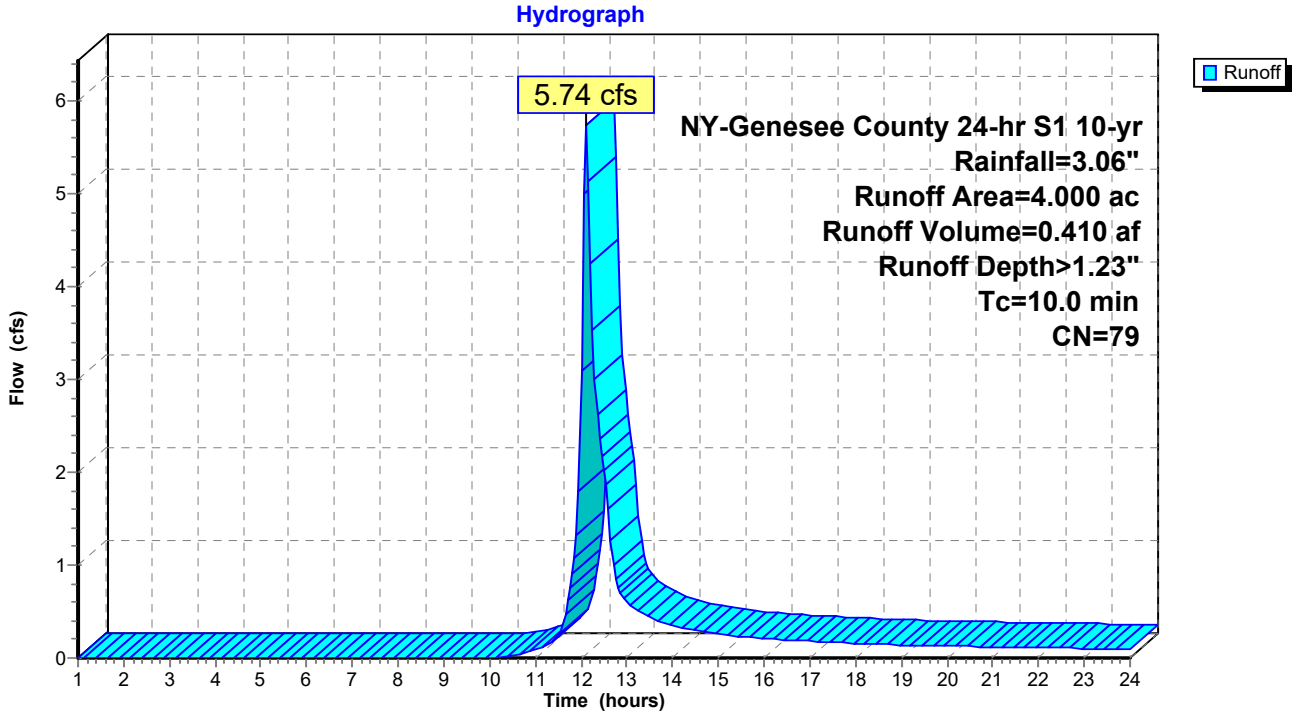
Runoff = 5.74 cfs @ 12.10 hrs, Volume= 0.410 af, Depth> 1.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	4.000	79	
	4.000		100.00% Pervious Area

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

Subcatchment 39S: 11.1



Summary for Subcatchment 40S: 12.1

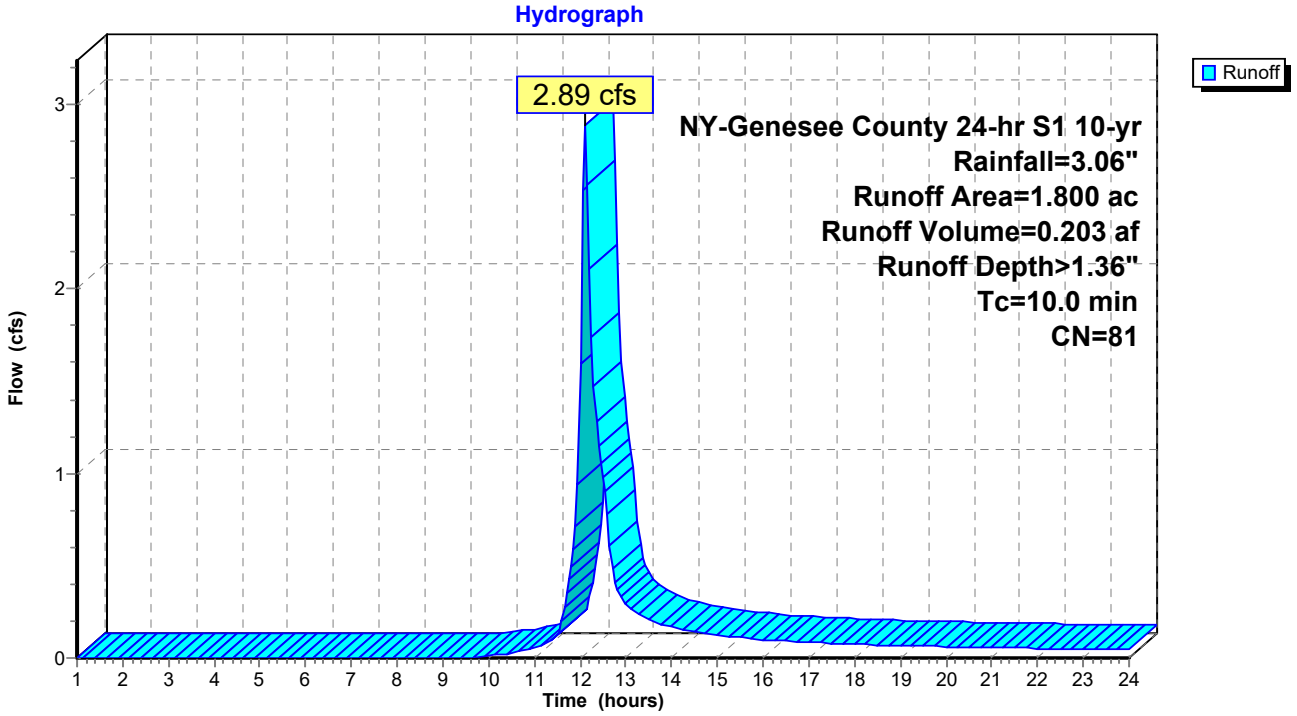
Runoff = 2.89 cfs @ 12.10 hrs, Volume= 0.203 af, Depth> 1.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	1.800	81	
	1.800		100.00% Pervious Area

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

Subcatchment 40S: 12.1



Summary for Subcatchment 41S: 13.1

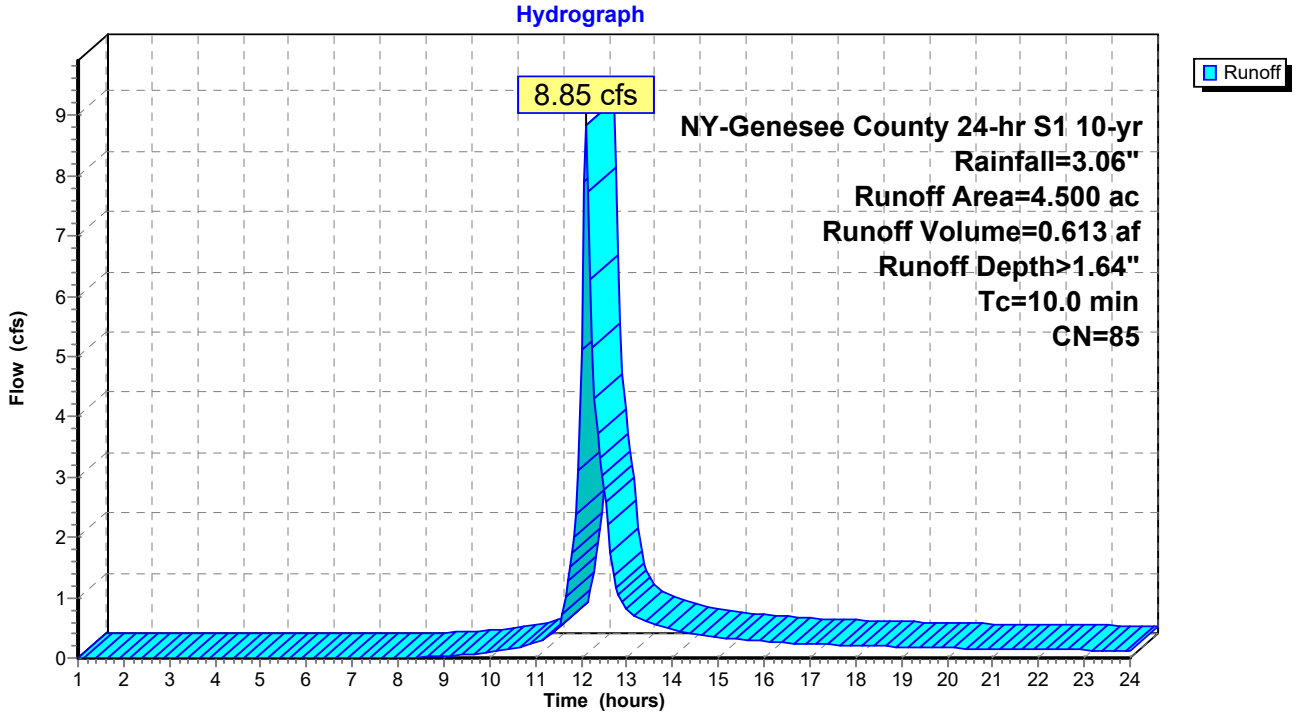
Runoff = 8.85 cfs @ 12.10 hrs, Volume= 0.613 af, Depth> 1.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	4.500	85	
	4.500		100.00% Pervious Area

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

Subcatchment 41S: 13.1



Summary for Subcatchment 42S: 14.1

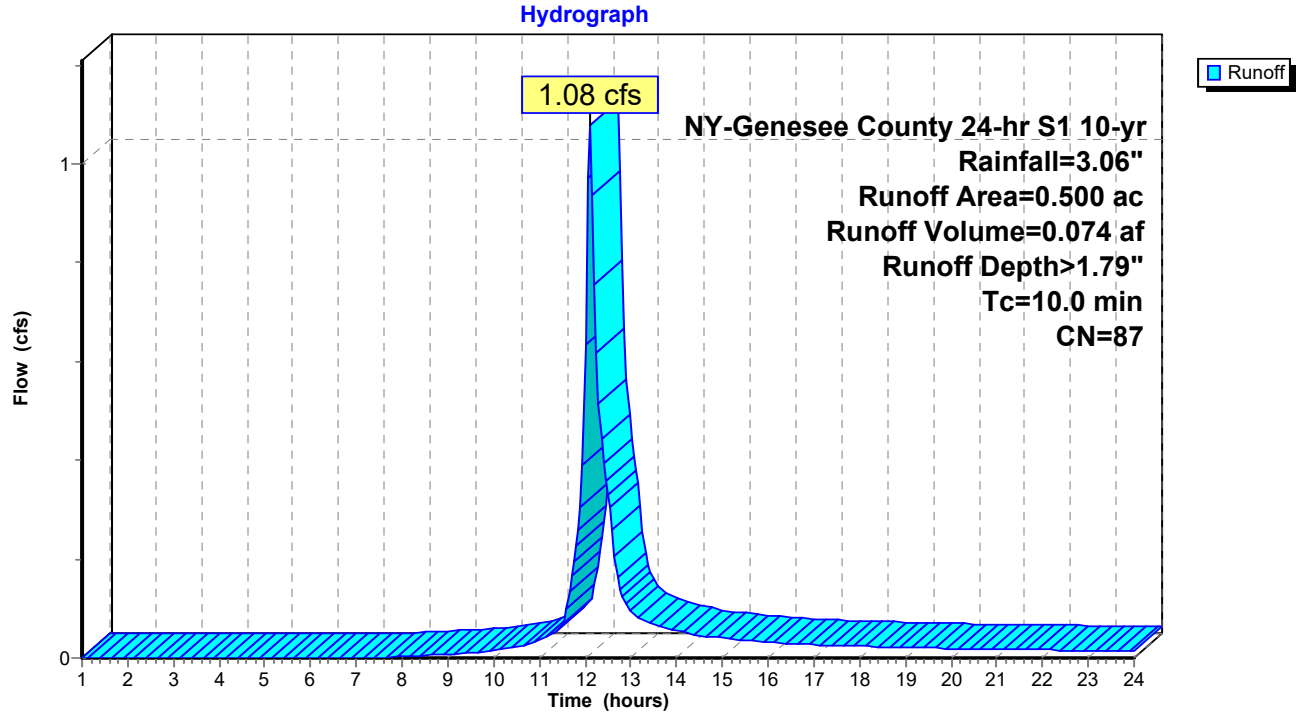
Runoff = 1.08 cfs @ 12.10 hrs, Volume= 0.074 af, Depth> 1.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	0.500	87	
	0.500		100.00% Pervious Area

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

Subcatchment 42S: 14.1



Summary for Subcatchment 43S: 15.1

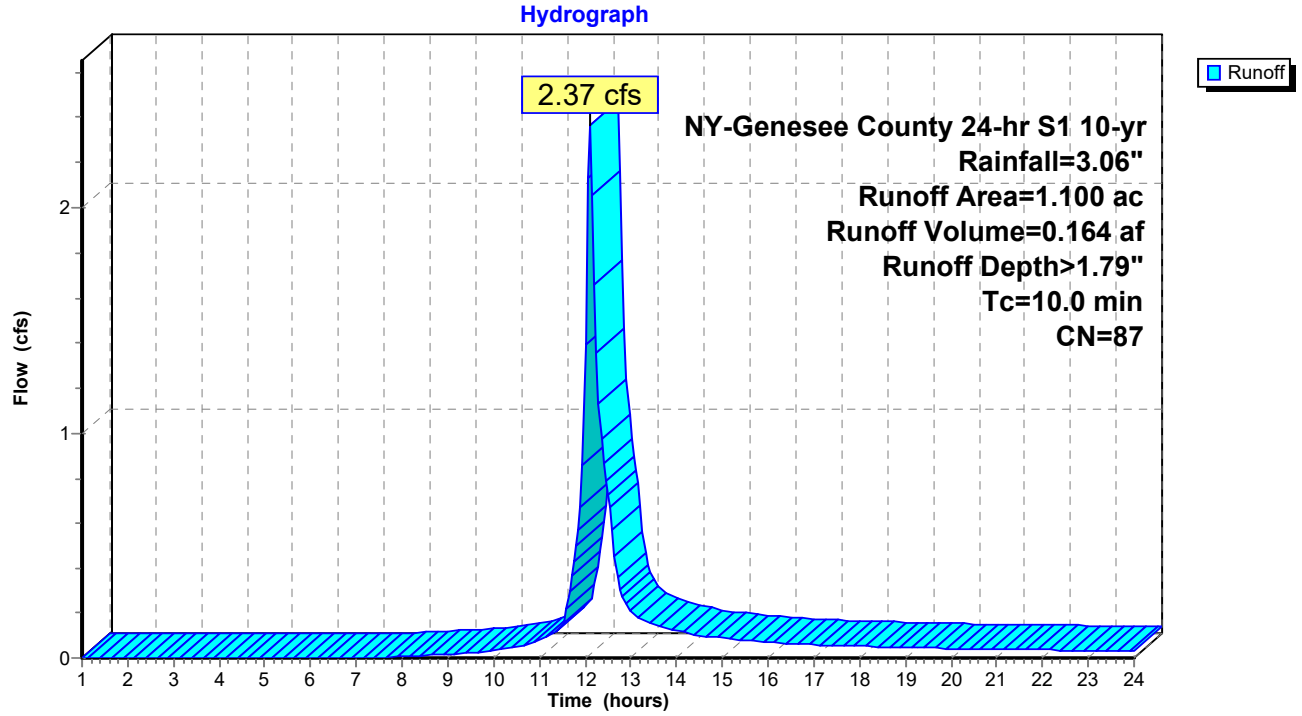
Runoff = 2.37 cfs @ 12.10 hrs, Volume= 0.164 af, Depth> 1.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	1.100	87	
	1.100		100.00% Pervious Area

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

Subcatchment 43S: 15.1



Summary for Pond 1AP: Dry Swale 1.1

Inflow Area = 6.650 ac, 0.00% Impervious, Inflow Depth > 1.64" for 10-yr event
Inflow = 13.08 cfs @ 12.10 hrs, Volume= 0.906 af
Outflow = 0.77 cfs @ 13.74 hrs, Volume= 0.743 af, Atten= 94%, Lag= 98.5 min
Discarded = 0.77 cfs @ 13.74 hrs, Volume= 0.743 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.41' @ 13.74 hrs Surf.Area= 1.426 ac Storage= 0.469 af

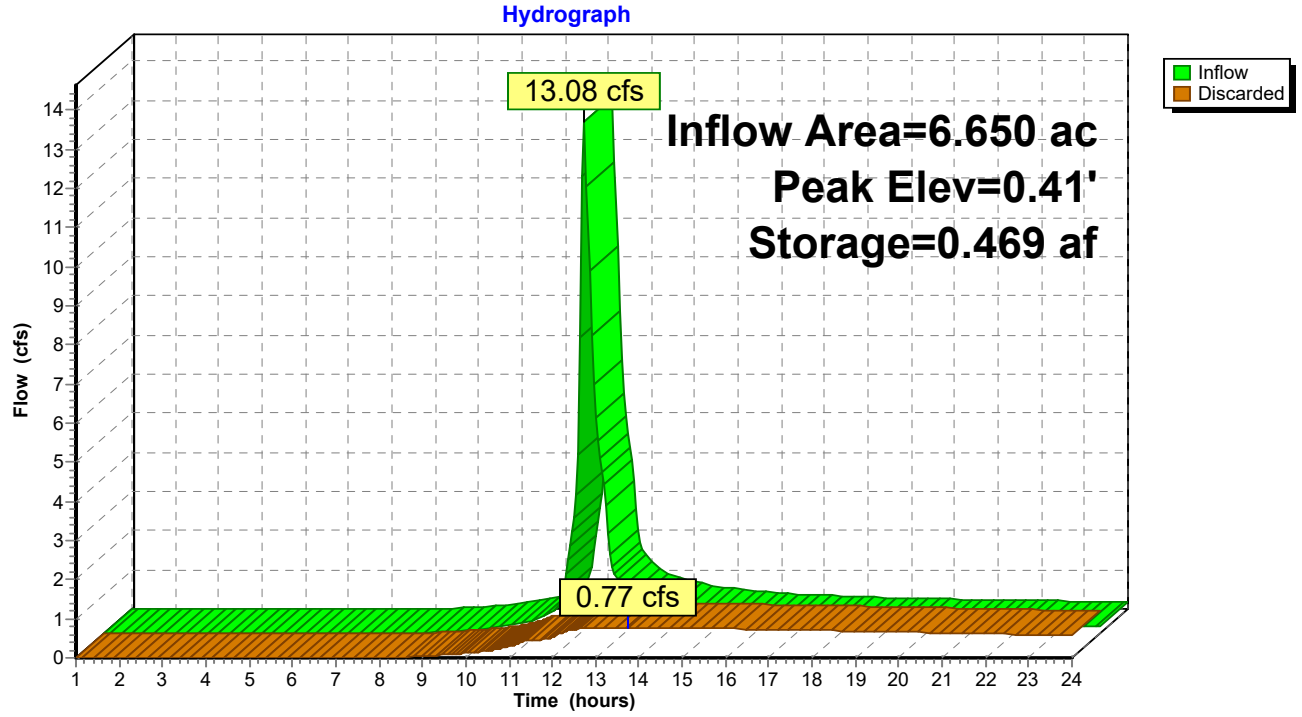
Plug-Flow detention time= 277.3 min calculated for 0.742 af (82% of inflow)
Center-of-Mass det. time= 201.4 min (1,033.1 - 831.8)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.551 af	**4.00'W x 9,650.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.77 cfs @ 13.74 hrs HW=0.41' (Free Discharge)
1=Exfiltration (Controls 0.77 cfs)

Pond 1AP: Dry Swale 1.1



Summary for Pond 1BP: Dry Swale 1.2

Inflow Area = 6.650 ac, 0.00% Impervious, Inflow Depth > 1.64" for 10-yr event
Inflow = 13.08 cfs @ 12.10 hrs, Volume= 0.906 af
Outflow = 0.77 cfs @ 13.74 hrs, Volume= 0.743 af, Atten= 94%, Lag= 98.5 min
Discarded = 0.77 cfs @ 13.74 hrs, Volume= 0.743 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.41' @ 13.74 hrs Surf.Area= 1.426 ac Storage= 0.469 af

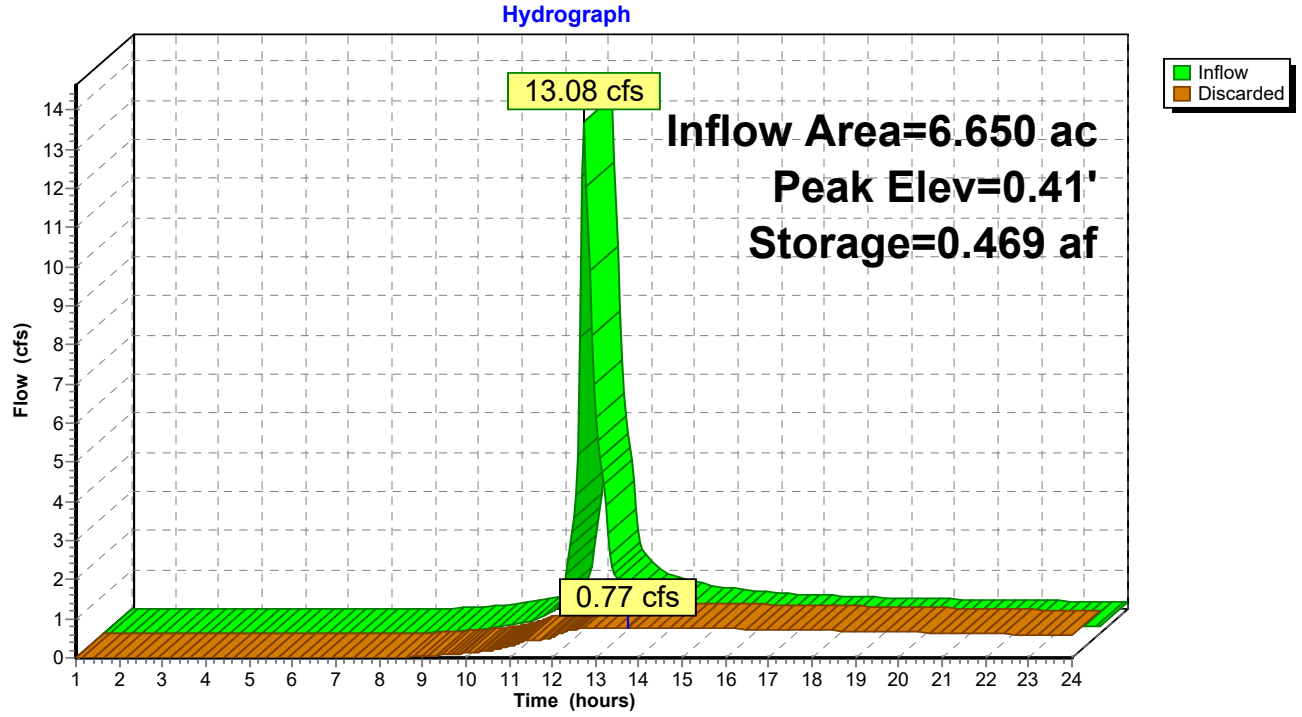
Plug-Flow detention time= 277.3 min calculated for 0.742 af (82% of inflow)
Center-of-Mass det. time= 201.4 min (1,033.1 - 831.8)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.551 af	**4.00'W x 9,650.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.77 cfs @ 13.74 hrs HW=0.41' (Free Discharge)
1=Exfiltration (Controls 0.77 cfs)

Pond 1BP: Dry Swale 1.2



Summary for Pond 2P: Dry Swale 2

Inflow Area = 2.000 ac, 0.00% Impervious, Inflow Depth > 1.79" for 10-yr event
Inflow = 4.31 cfs @ 12.10 hrs, Volume= 0.298 af
Outflow = 0.24 cfs @ 13.77 hrs, Volume= 0.237 af, Atten= 94%, Lag= 100.2 min
Discarded = 0.24 cfs @ 13.77 hrs, Volume= 0.237 af

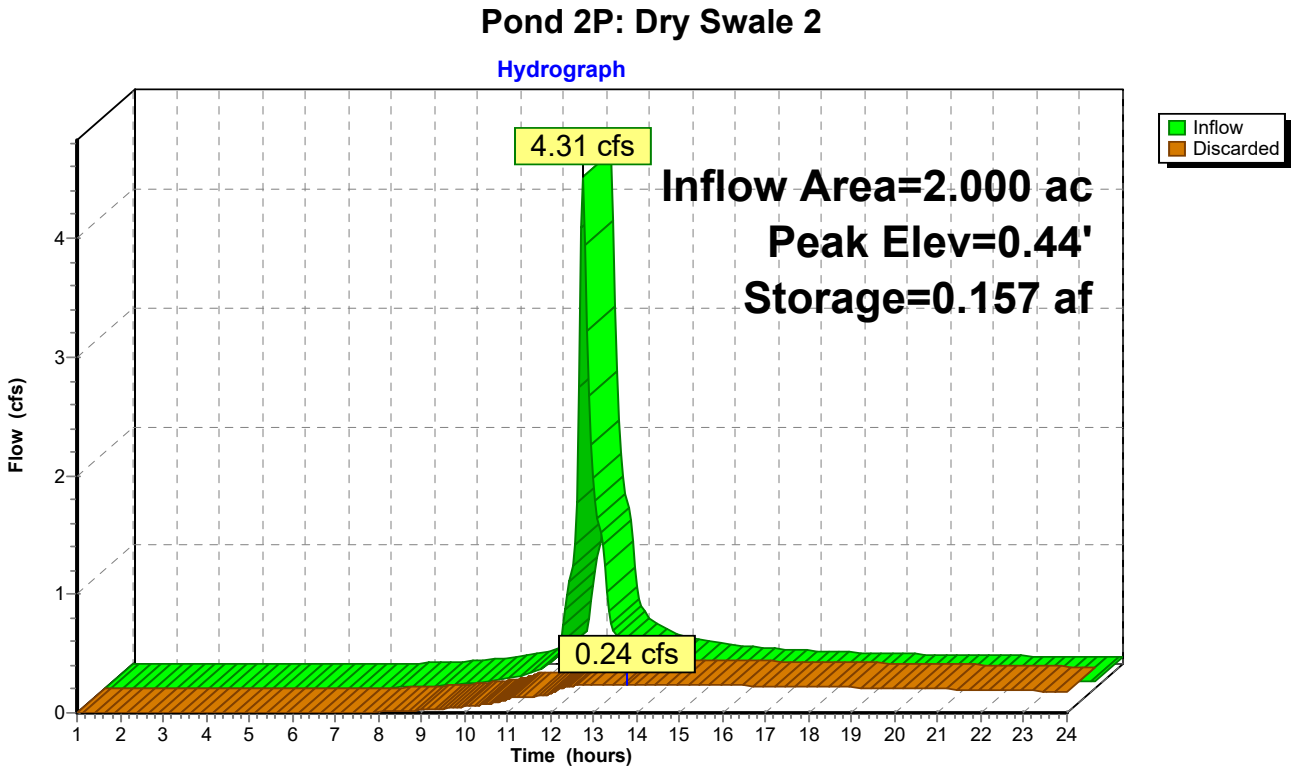
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.44' @ 13.77 hrs Surf.Area= 0.444 ac Storage= 0.157 af

Plug-Flow detention time= 283.6 min calculated for 0.237 af (80% of inflow)
Center-of-Mass det. time= 201.7 min (1,026.2 - 824.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.467 af	**4.00'W x 2,900.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.24 cfs @ 13.77 hrs HW=0.44' (Free Discharge)
1=Exfiltration (Controls 0.24 cfs)



Summary for Pond 4P: Dry Swale 4

Inflow Area = 4.000 ac, 0.00% Impervious, Inflow Depth > 1.79" for 10-yr event
Inflow = 8.62 cfs @ 12.10 hrs, Volume= 0.596 af
Outflow = 0.48 cfs @ 13.77 hrs, Volume= 0.474 af, Atten= 94%, Lag= 100.2 min
Discarded = 0.48 cfs @ 13.77 hrs, Volume= 0.474 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.44' @ 13.77 hrs Surf.Area= 0.887 ac Storage= 0.314 af

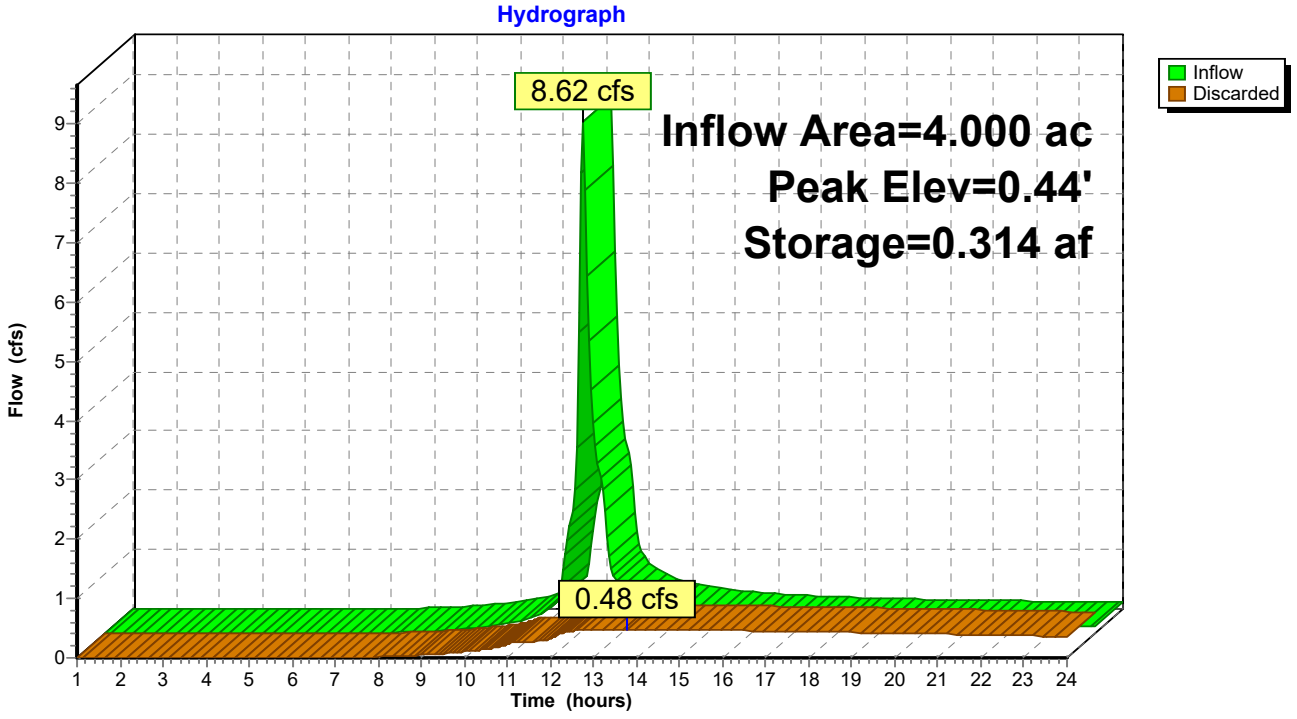
Plug-Flow detention time= 283.6 min calculated for 0.474 af (80% of inflow)
Center-of-Mass det. time= 201.7 min (1,026.2 - 824.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.933 af	**4.00'W x 5,800.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.48 cfs @ 13.77 hrs HW=0.44' (Free Discharge)
1=Exfiltration (Controls 0.48 cfs)

Pond 4P: Dry Swale 4



Summary for Pond 6AP: Dry Swale 6.1

Inflow Area = 4.700 ac, 0.00% Impervious, Inflow Depth > 1.49" for 10-yr event
Inflow = 8.38 cfs @ 12.10 hrs, Volume= 0.584 af
Outflow = 0.52 cfs @ 13.70 hrs, Volume= 0.496 af, Atten= 94%, Lag= 96.2 min
Discarded = 0.52 cfs @ 13.70 hrs, Volume= 0.496 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.37' @ 13.70 hrs Surf.Area= 0.975 ac Storage= 0.297 af

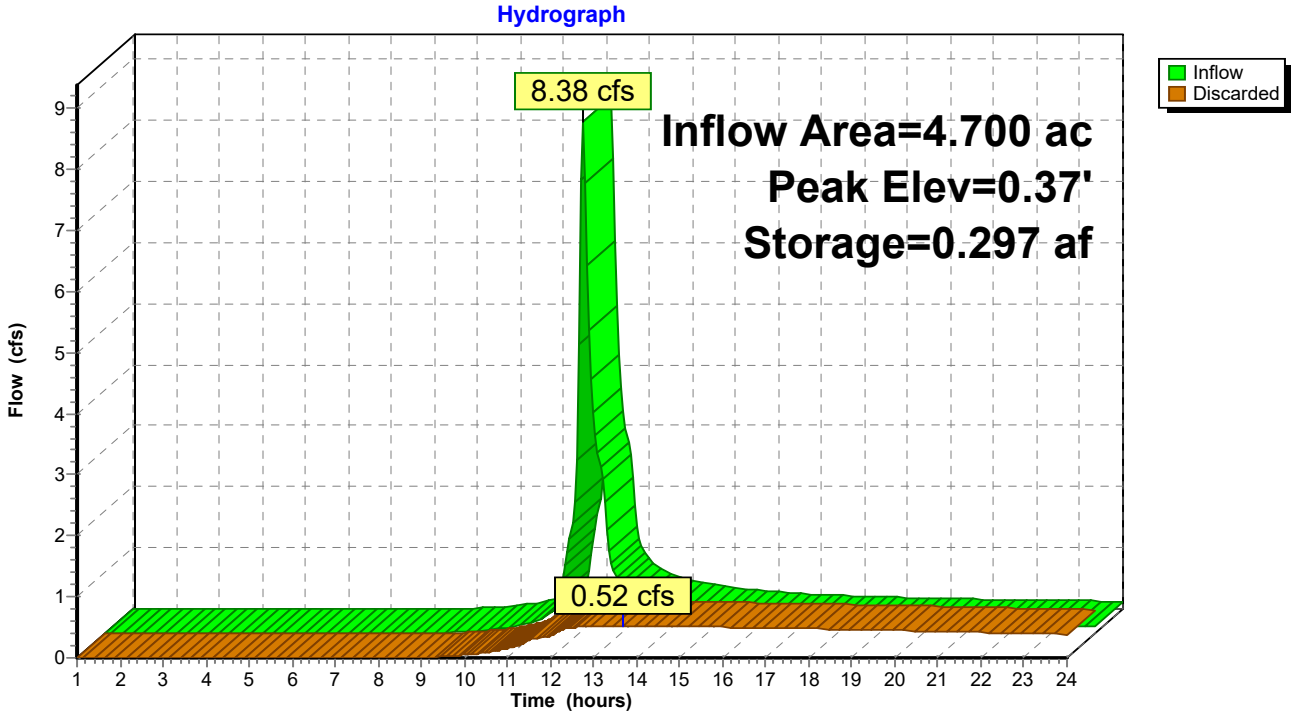
Plug-Flow detention time= 268.6 min calculated for 0.496 af (85% of inflow)
Center-of-Mass det. time= 200.3 min (1,038.9 - 838.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.097 af	**4.00'W x 6,820.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.52 cfs @ 13.70 hrs HW=0.37' (Free Discharge)
1=Exfiltration (Controls 0.52 cfs)

Pond 6AP: Dry Swale 6.1



Summary for Pond 6BP: Dry Swale 6.2

Inflow Area = 4.700 ac, 0.00% Impervious, Inflow Depth > 1.49" for 10-yr event
Inflow = 8.38 cfs @ 12.10 hrs, Volume= 0.584 af
Outflow = 0.52 cfs @ 13.70 hrs, Volume= 0.496 af, Atten= 94%, Lag= 96.2 min
Discarded = 0.52 cfs @ 13.70 hrs, Volume= 0.496 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.37' @ 13.70 hrs Surf.Area= 0.975 ac Storage= 0.297 af

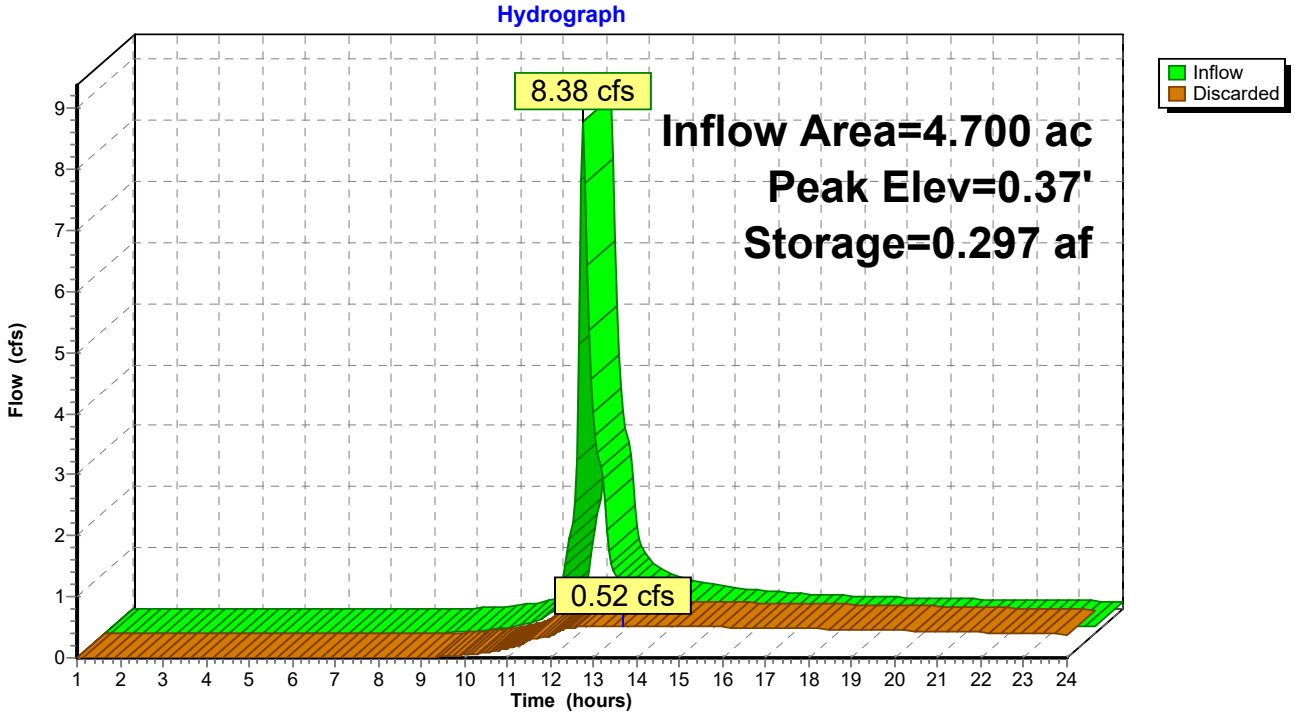
Plug-Flow detention time= 268.6 min calculated for 0.496 af (85% of inflow)
Center-of-Mass det. time= 200.3 min (1,038.9 - 838.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.097 af	**4.00'W x 6,820.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.52 cfs @ 13.70 hrs HW=0.37' (Free Discharge)
1=Exfiltration (Controls 0.52 cfs)

Pond 6BP: Dry Swale 6.2



Summary for Pond 7P: Dry Swale 7

Inflow Area = 1.600 ac, 0.00% Impervious, Inflow Depth > 1.71" for 10-yr event
Inflow = 3.30 cfs @ 12.10 hrs, Volume= 0.228 af
Outflow = 0.19 cfs @ 13.75 hrs, Volume= 0.184 af, Atten= 94%, Lag= 99.4 min
Discarded = 0.19 cfs @ 13.75 hrs, Volume= 0.184 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.42' @ 13.75 hrs Surf.Area= 0.349 ac Storage= 0.119 af

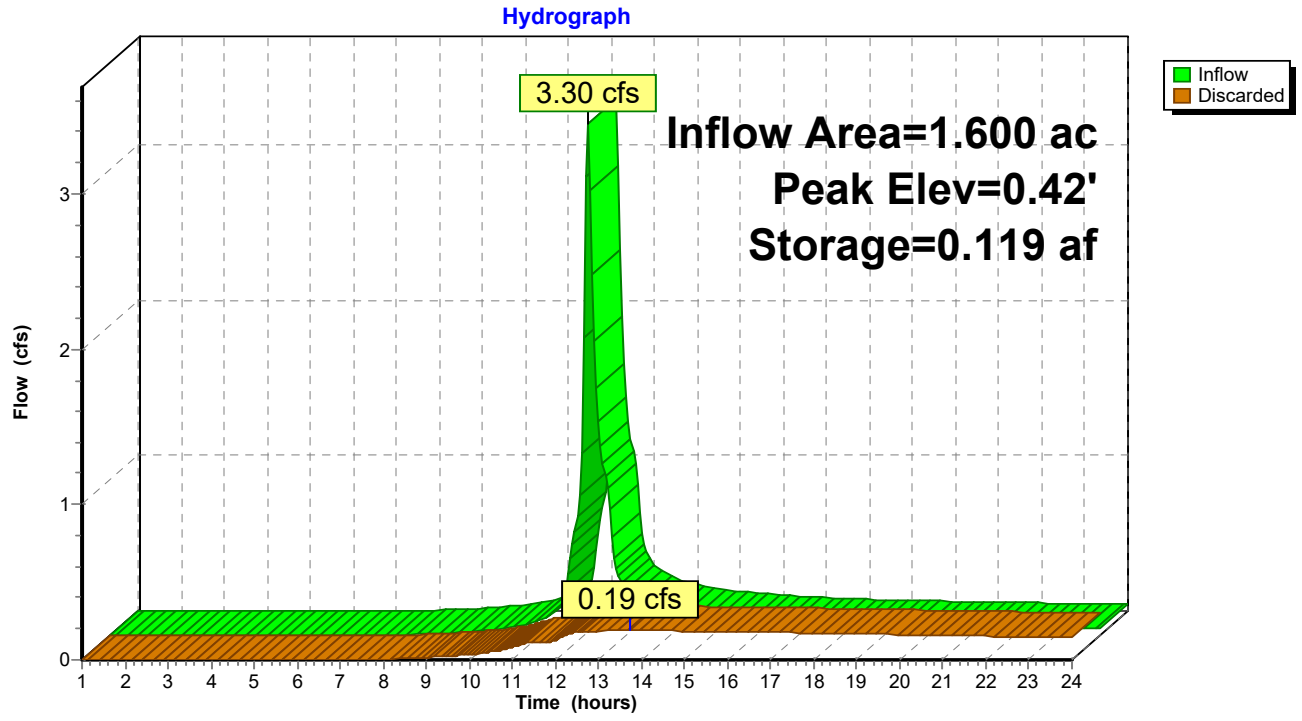
Plug-Flow detention time= 280.6 min calculated for 0.184 af (81% of inflow)
Center-of-Mass det. time= 201.6 min (1,029.8 - 828.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.373 af	**4.00'W x 2,320.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.19 cfs @ 13.75 hrs HW=0.42' (Free Discharge)
1=Exfiltration (Controls 0.19 cfs)

Pond 7P: Dry Swale 7



Summary for Pond 8AP: Dry Swale 8.1

Inflow Area = 4.250 ac, 0.00% Impervious, Inflow Depth > 1.79" for 10-yr event
Inflow = 9.16 cfs @ 12.10 hrs, Volume= 0.633 af
Outflow = 0.51 cfs @ 13.76 hrs, Volume= 0.504 af, Atten= 94%, Lag= 100.1 min
Discarded = 0.51 cfs @ 13.76 hrs, Volume= 0.504 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.44' @ 13.76 hrs Surf.Area= 0.943 ac Storage= 0.334 af

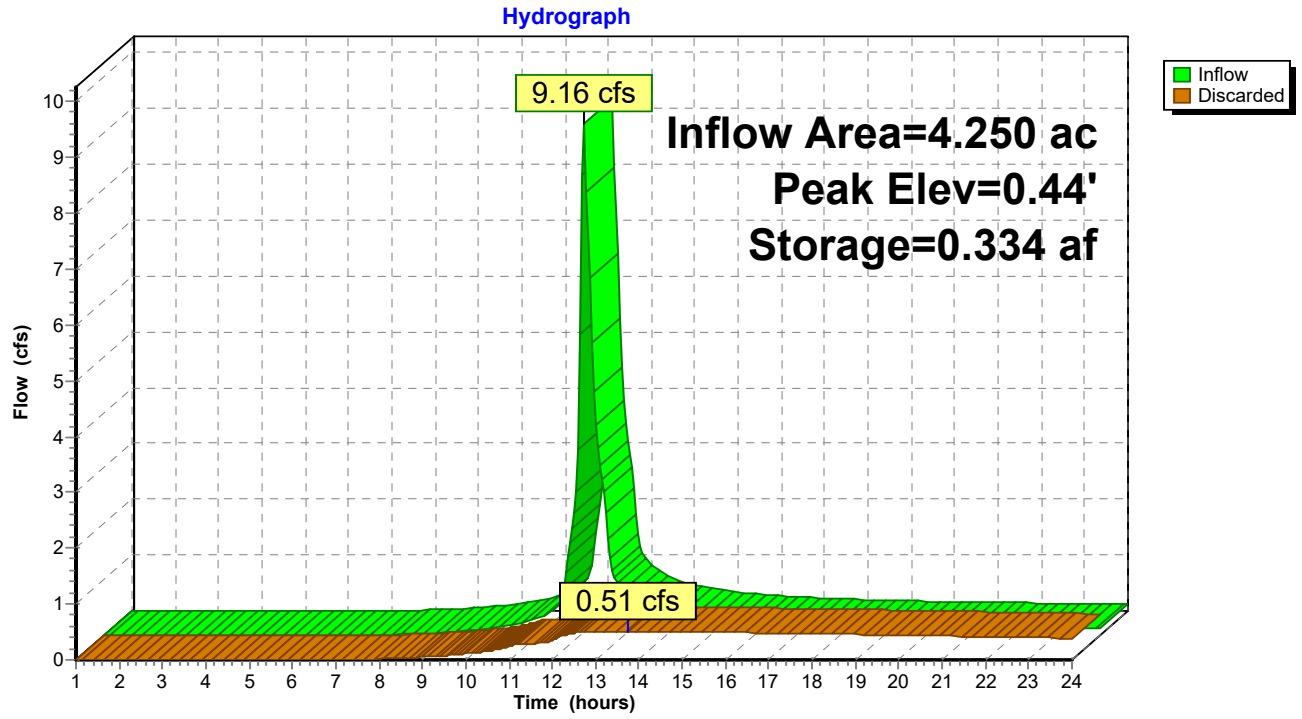
Plug-Flow detention time= 283.0 min calculated for 0.503 af (79% of inflow)
Center-of-Mass det. time= 201.7 min (1,026.2 - 824.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.992 af	**4.00'W x 6,170.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.51 cfs @ 13.76 hrs HW=0.44' (Free Discharge)
1=Exfiltration (Controls 0.51 cfs)

Pond 8AP: Dry Swale 8.1



Summary for Pond 8BP: Dry Swale 8.2

Inflow Area = 4.250 ac, 0.00% Impervious, Inflow Depth > 1.79" for 10-yr event
Inflow = 9.16 cfs @ 12.10 hrs, Volume= 0.633 af
Outflow = 0.51 cfs @ 13.76 hrs, Volume= 0.504 af, Atten= 94%, Lag= 100.1 min
Discarded = 0.51 cfs @ 13.76 hrs, Volume= 0.504 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.44' @ 13.76 hrs Surf.Area= 0.943 ac Storage= 0.334 af

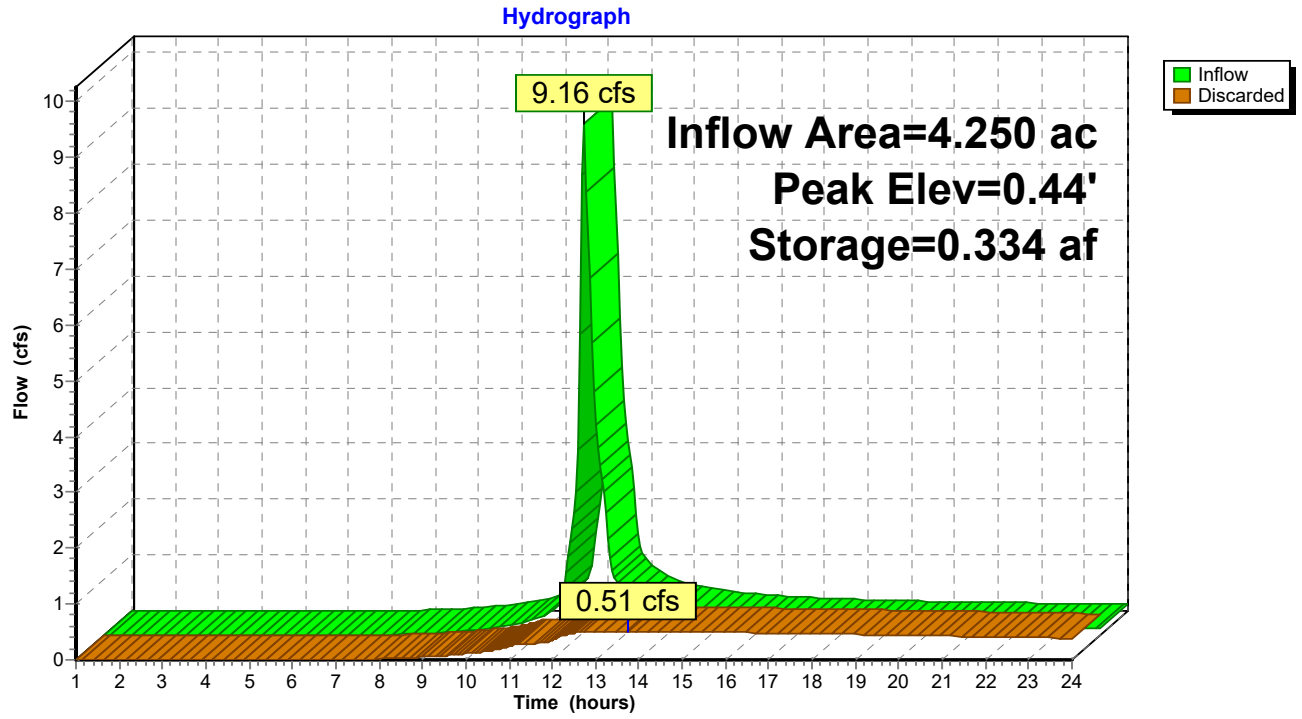
Plug-Flow detention time= 283.0 min calculated for 0.503 af (79% of inflow)
Center-of-Mass det. time= 201.7 min (1,026.2 - 824.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.992 af	**4.00'W x 6,170.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.51 cfs @ 13.76 hrs HW=0.44' (Free Discharge)
1=Exfiltration (Controls 0.51 cfs)

Pond 8BP: Dry Swale 8.2



Summary for Pond 9P: Dry Swale 9

Inflow Area = 0.700 ac, 0.00% Impervious, Inflow Depth > 1.71" for 10-yr event
Inflow = 1.44 cfs @ 12.10 hrs, Volume= 0.100 af
Outflow = 0.08 cfs @ 13.76 hrs, Volume= 0.080 af, Atten= 94%, Lag= 99.6 min
Discarded = 0.08 cfs @ 13.76 hrs, Volume= 0.080 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.43' @ 13.76 hrs Surf.Area= 0.152 ac Storage= 0.052 af

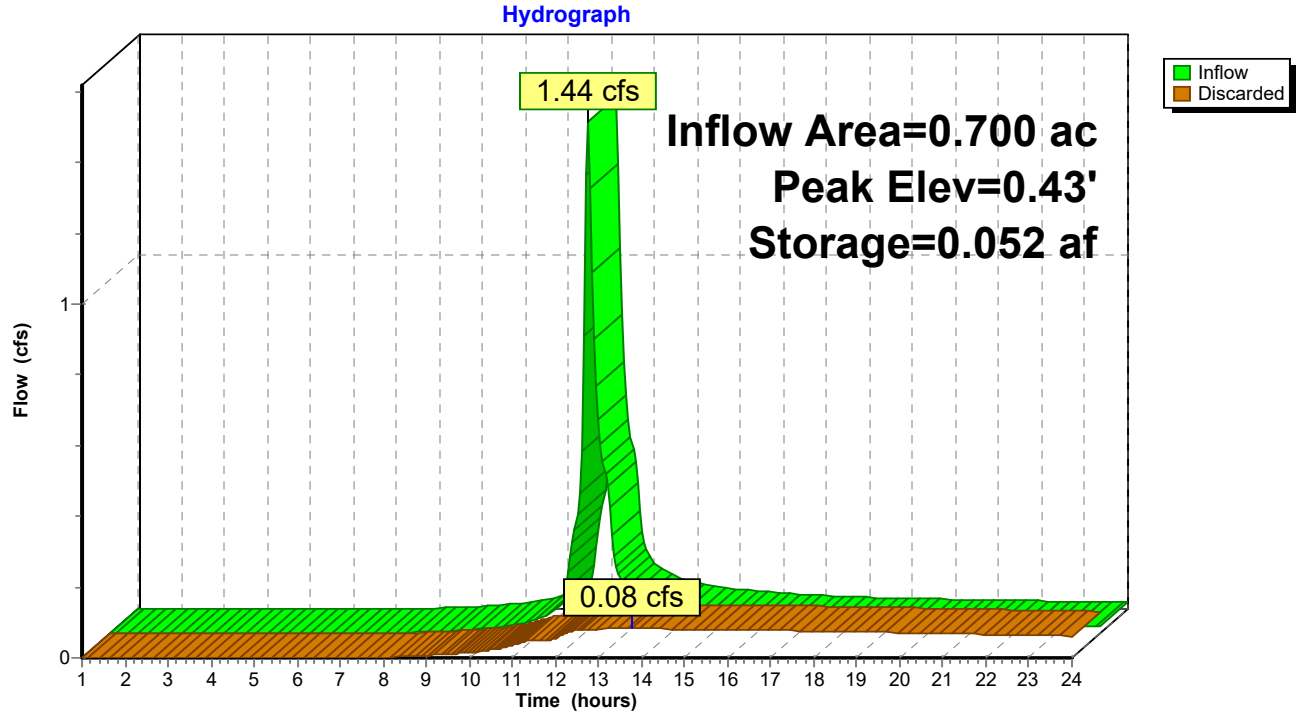
Plug-Flow detention time= 281.4 min calculated for 0.080 af (81% of inflow)
Center-of-Mass det. time= 201.6 min (1,029.8 - 828.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.163 af	**4.00'W x 1,010.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.08 cfs @ 13.76 hrs HW=0.43' (Free Discharge)
1=Exfiltration (Controls 0.08 cfs)

Pond 9P: Dry Swale 9



Summary for Pond 10P: Dry Swale 10

Inflow Area = 0.500 ac, 0.00% Impervious, Inflow Depth > 1.56" for 10-yr event
Inflow = 0.94 cfs @ 12.10 hrs, Volume= 0.065 af
Outflow = 0.06 cfs @ 13.72 hrs, Volume= 0.054 af, Atten= 94%, Lag= 97.2 min
Discarded = 0.06 cfs @ 13.72 hrs, Volume= 0.054 af

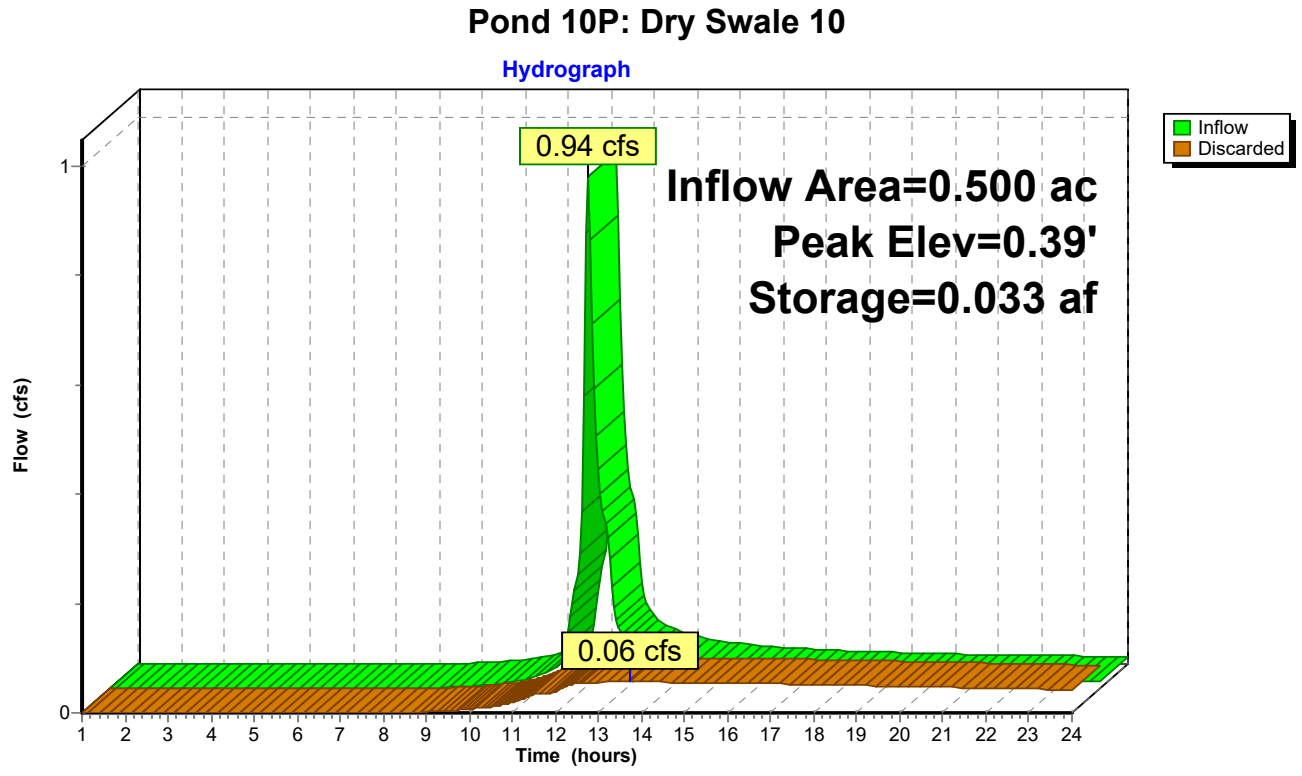
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.39' @ 13.72 hrs Surf.Area= 0.106 ac Storage= 0.033 af

Plug-Flow detention time= 273.0 min calculated for 0.054 af (83% of inflow)
Center-of-Mass det. time= 200.9 min (1,036.1 - 835.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.117 af	**4.00'W x 725.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.06 cfs @ 13.72 hrs HW=0.39' (Free Discharge)
1=Exfiltration (Controls 0.06 cfs)



Summary for Pond 11P: Dry Swale 11

Inflow Area = 4.000 ac, 0.00% Impervious, Inflow Depth > 1.23" for 10-yr event
Inflow = 5.74 cfs @ 12.10 hrs, Volume= 0.410 af
Outflow = 0.41 cfs @ 13.61 hrs, Volume= 0.377 af, Atten= 93%, Lag= 90.2 min
Discarded = 0.41 cfs @ 13.61 hrs, Volume= 0.377 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.30' @ 13.61 hrs Surf.Area= 0.774 ac Storage= 0.197 af

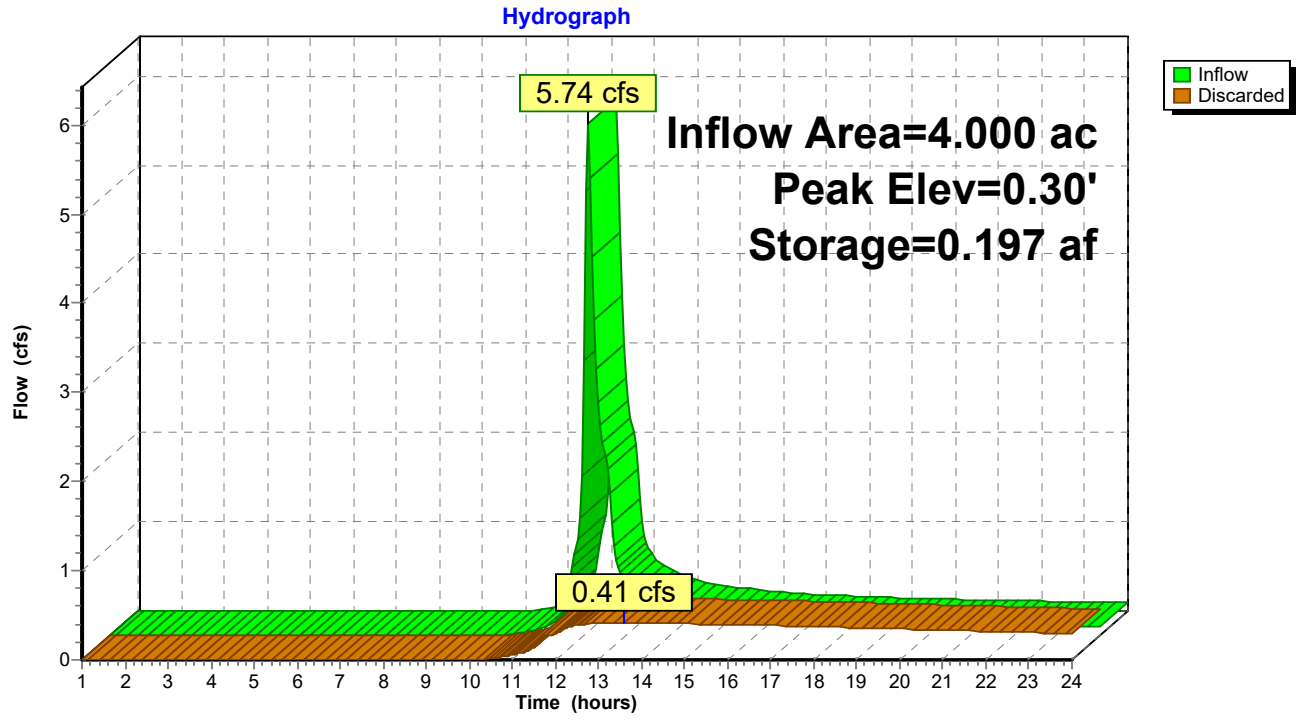
Plug-Flow detention time= 236.6 min calculated for 0.377 af (92% of inflow)
Center-of-Mass det. time= 195.6 min (1,047.3 - 851.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.933 af	**4.00'W x 5,800.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.41 cfs @ 13.61 hrs HW=0.30' (Free Discharge)
1=Exfiltration (Controls 0.41 cfs)

Pond 11P: Dry Swale 11



Summary for Pond 12P: Dry Swale 12

Inflow Area = 1.800 ac, 0.00% Impervious, Inflow Depth > 1.36" for 10-yr event
Inflow = 2.89 cfs @ 12.10 hrs, Volume= 0.203 af
Outflow = 0.19 cfs @ 13.66 hrs, Volume= 0.180 af, Atten= 93%, Lag= 93.4 min
Discarded = 0.19 cfs @ 13.66 hrs, Volume= 0.180 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.34' @ 13.66 hrs Surf.Area= 0.361 ac Storage= 0.101 af

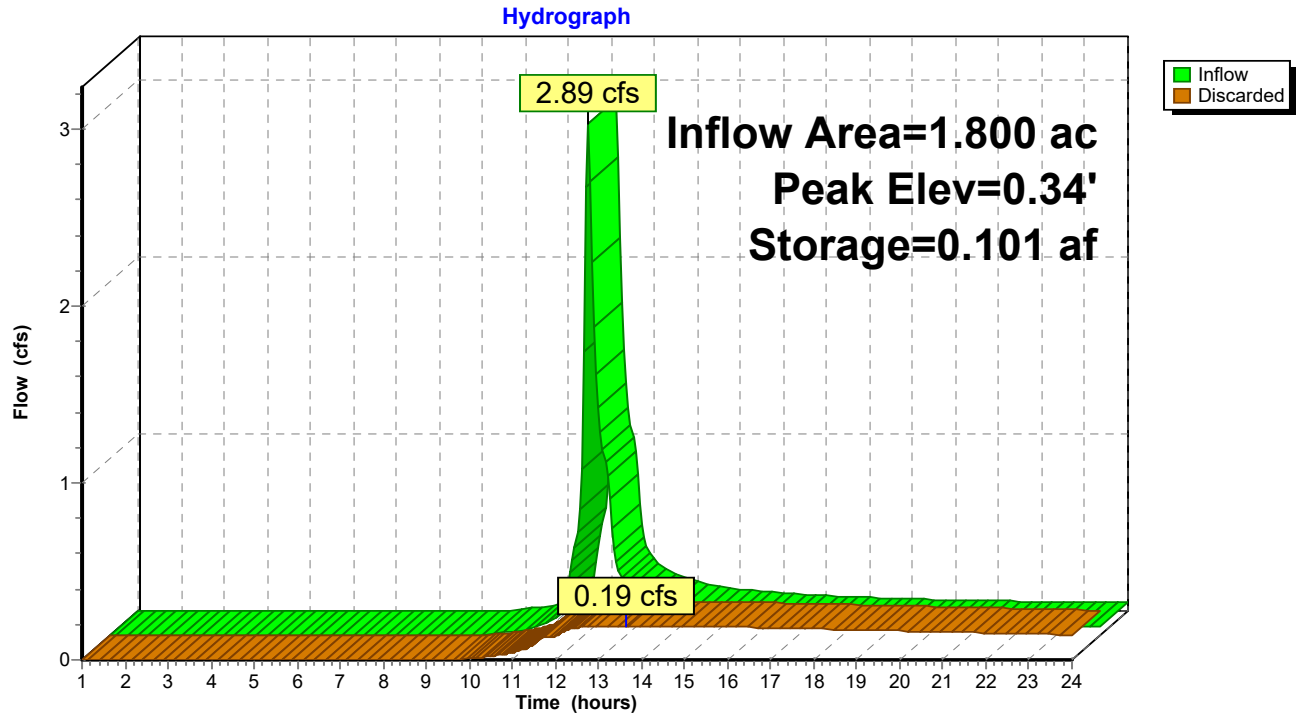
Plug-Flow detention time= 255.3 min calculated for 0.180 af (88% of inflow)
Center-of-Mass det. time= 198.4 min (1,043.7 - 845.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.420 af	**4.00'W x 2,610.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.19 cfs @ 13.66 hrs HW=0.34' (Free Discharge)
1=Exfiltration (Controls 0.19 cfs)

Pond 12P: Dry Swale 12



Summary for Pond 13P: Dry Swale 13

Inflow Area = 4.500 ac, 0.00% Impervious, Inflow Depth > 1.64" for 10-yr event
Inflow = 8.85 cfs @ 12.10 hrs, Volume= 0.613 af
Outflow = 0.51 cfs @ 13.77 hrs, Volume= 0.498 af, Atten= 94%, Lag= 100.1 min
Discarded = 0.51 cfs @ 13.77 hrs, Volume= 0.498 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.41' @ 13.77 hrs Surf.Area= 0.952 ac Storage= 0.319 af

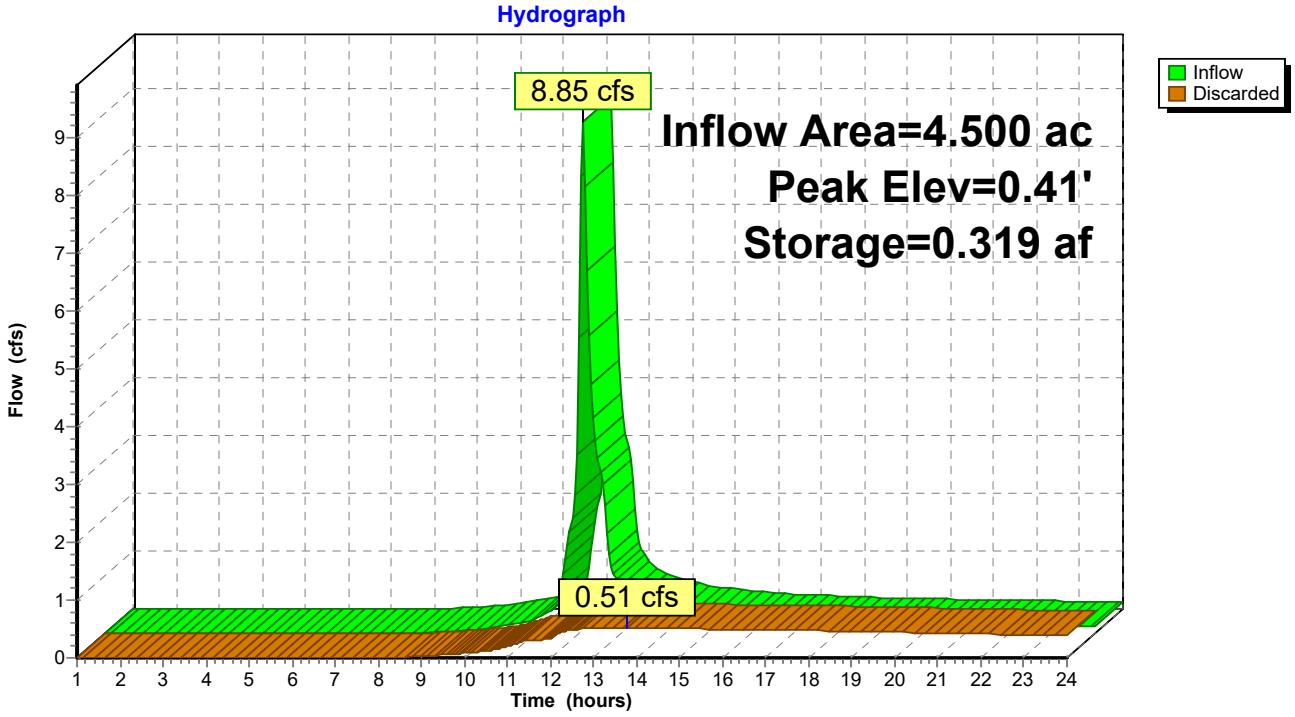
Plug-Flow detention time= 280.3 min calculated for 0.498 af (81% of inflow)
Center-of-Mass det. time= 201.6 min (1,033.4 - 831.8)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.027 af	**4.00'W x 6,390.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.51 cfs @ 13.77 hrs HW=0.41' (Free Discharge)
1=Exfiltration (Controls 0.51 cfs)

Pond 13P: Dry Swale 13



Summary for Pond 14P: Dry Swale 14

Inflow Area = 0.500 ac, 0.00% Impervious, Inflow Depth > 1.79" for 10-yr event
Inflow = 1.08 cfs @ 12.10 hrs, Volume= 0.074 af
Outflow = 0.06 cfs @ 13.76 hrs, Volume= 0.059 af, Atten= 94%, Lag= 99.9 min
Discarded = 0.06 cfs @ 13.76 hrs, Volume= 0.059 af

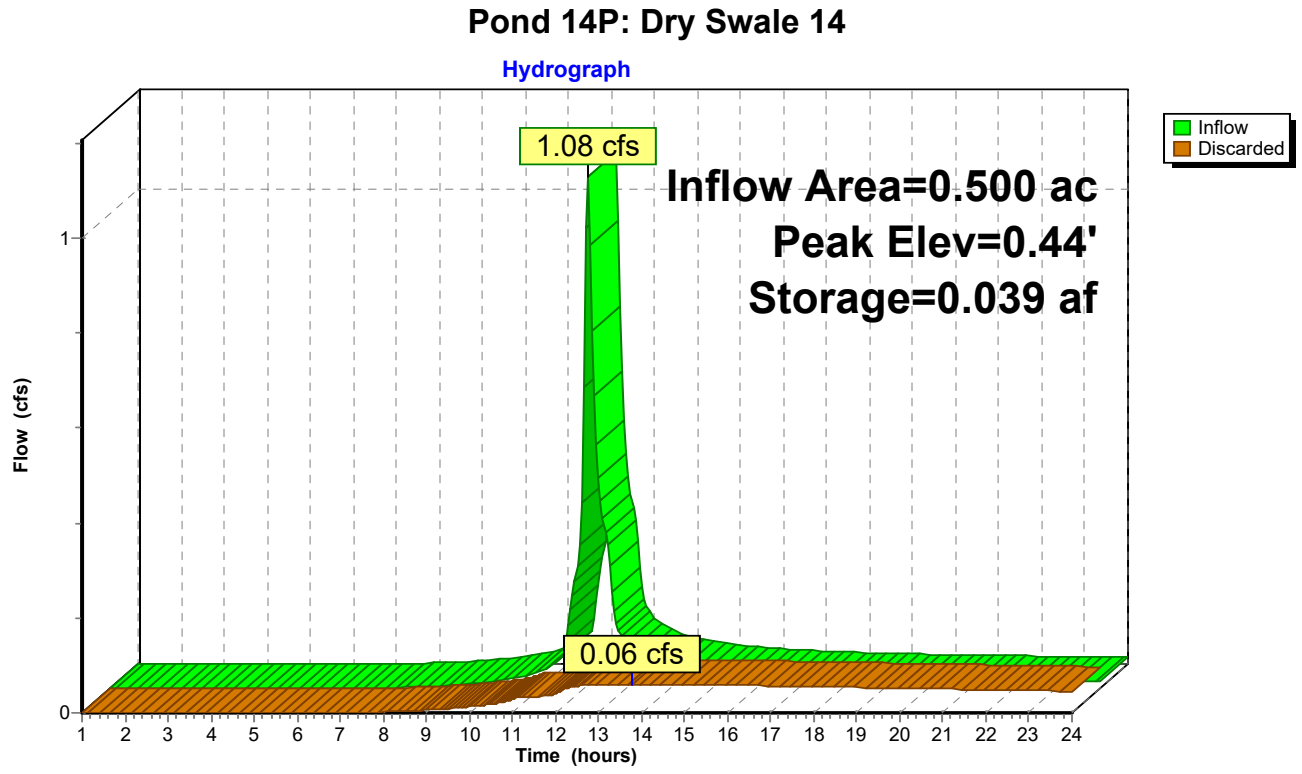
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.44' @ 13.76 hrs Surf.Area= 0.111 ac Storage= 0.039 af

Plug-Flow detention time= 282.8 min calculated for 0.059 af (79% of inflow)
Center-of-Mass det. time= 201.6 min (1,026.1 - 824.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.117 af	**4.00'W x 725.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.06 cfs @ 13.76 hrs HW=0.44' (Free Discharge)
1=Exfiltration (Controls 0.06 cfs)



Summary for Pond 15P: Dry Swale 15

Inflow Area = 1.100 ac, 0.00% Impervious, Inflow Depth > 1.79" for 10-yr event
Inflow = 2.37 cfs @ 12.10 hrs, Volume= 0.164 af
Outflow = 0.13 cfs @ 13.77 hrs, Volume= 0.130 af, Atten= 94%, Lag= 100.3 min
Discarded = 0.13 cfs @ 13.77 hrs, Volume= 0.130 af

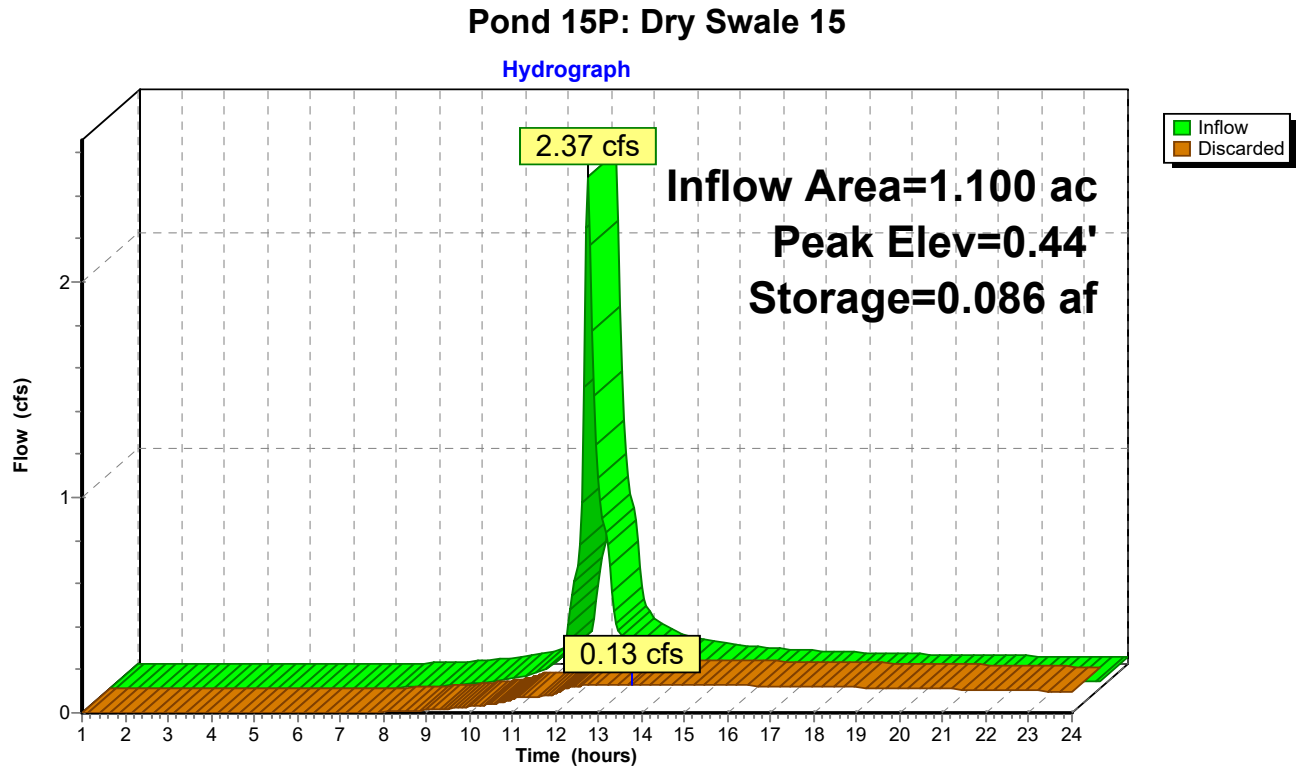
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.44' @ 13.77 hrs Surf.Area= 0.244 ac Storage= 0.086 af

Plug-Flow detention time= 283.8 min calculated for 0.130 af (79% of inflow)
Center-of-Mass det. time= 201.7 min (1,026.2 - 824.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.256 af	**4.00'W x 1,590.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.13 cfs @ 13.77 hrs HW=0.44' (Free Discharge)
1=Exfiltration (Controls 0.13 cfs)

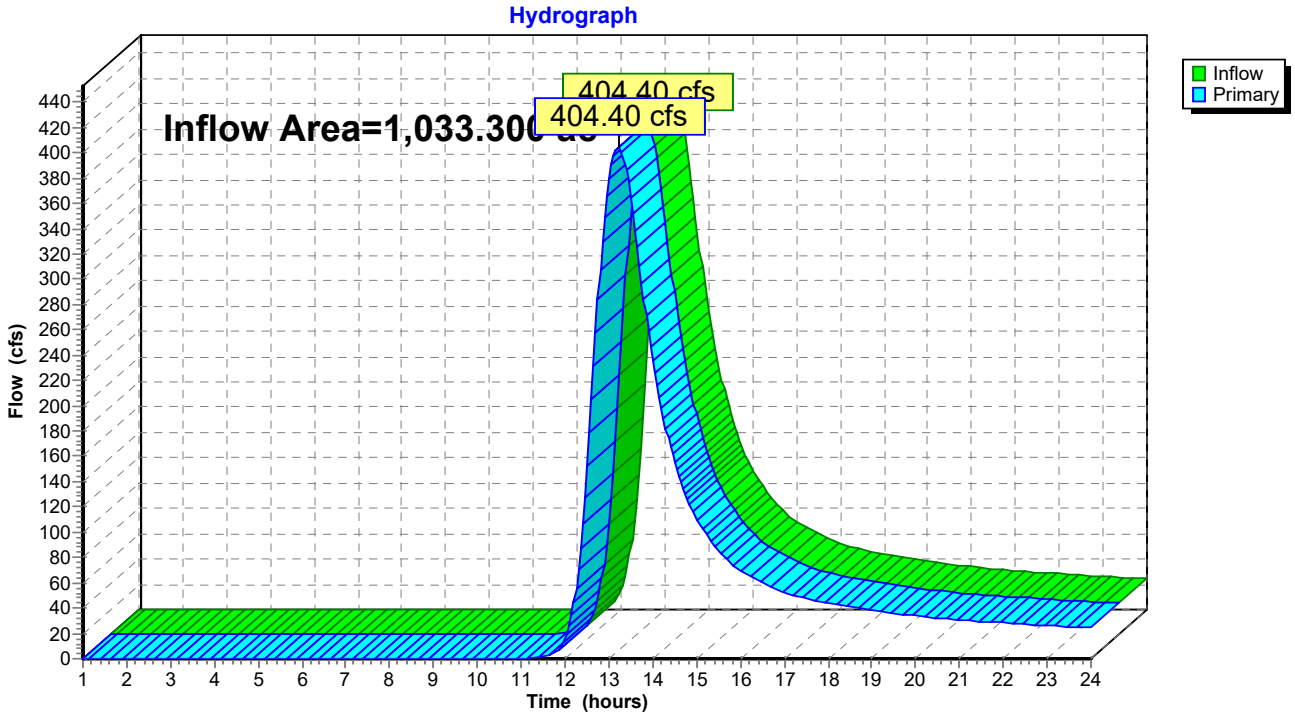


Summary for Link 1L: A

Inflow Area = 1,033.300 ac, 0.00% Impervious, Inflow Depth > 1.03" for 10-yr event
Inflow = 404.40 cfs @ 13.23 hrs, Volume= 88.307 af
Primary = 404.40 cfs @ 13.23 hrs, Volume= 88.307 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 1L: A

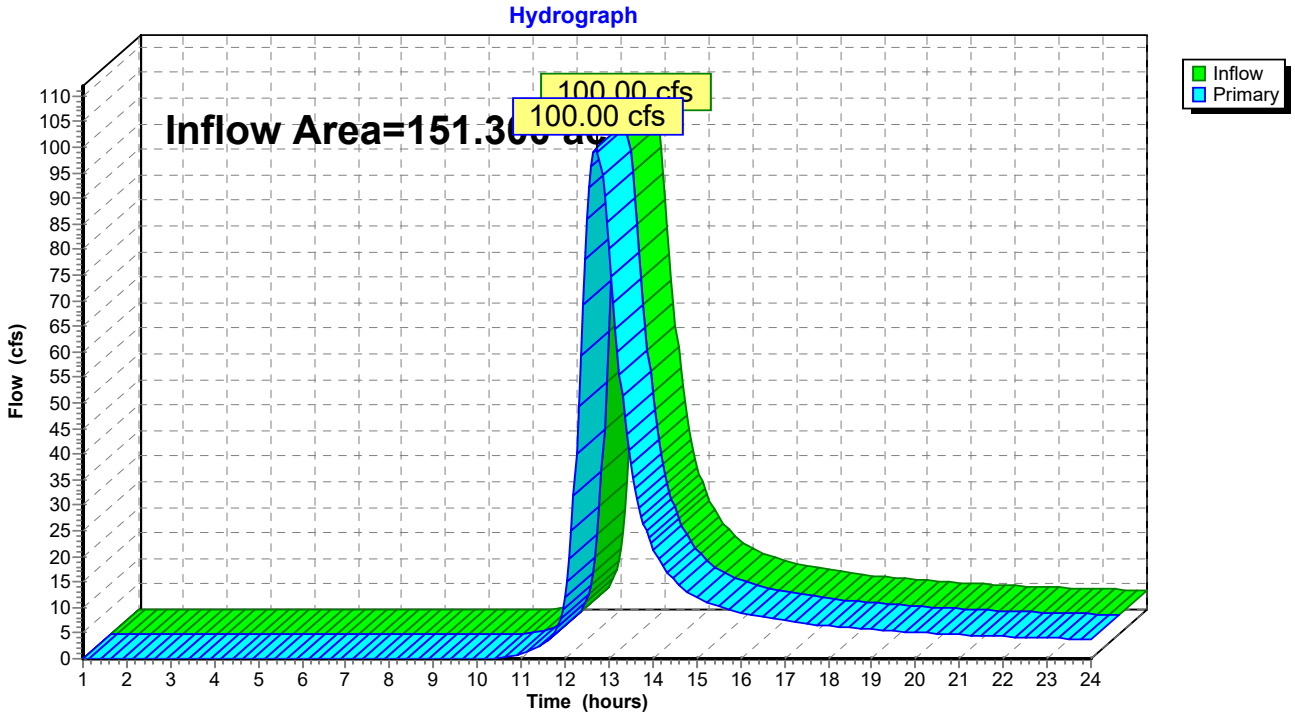


Summary for Link 2L: B

Inflow Area = 151.300 ac, 0.00% Impervious, Inflow Depth > 1.21" for 10-yr event
Inflow = 100.00 cfs @ 12.71 hrs, Volume= 15.307 af
Primary = 100.00 cfs @ 12.71 hrs, Volume= 15.307 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 2L: B

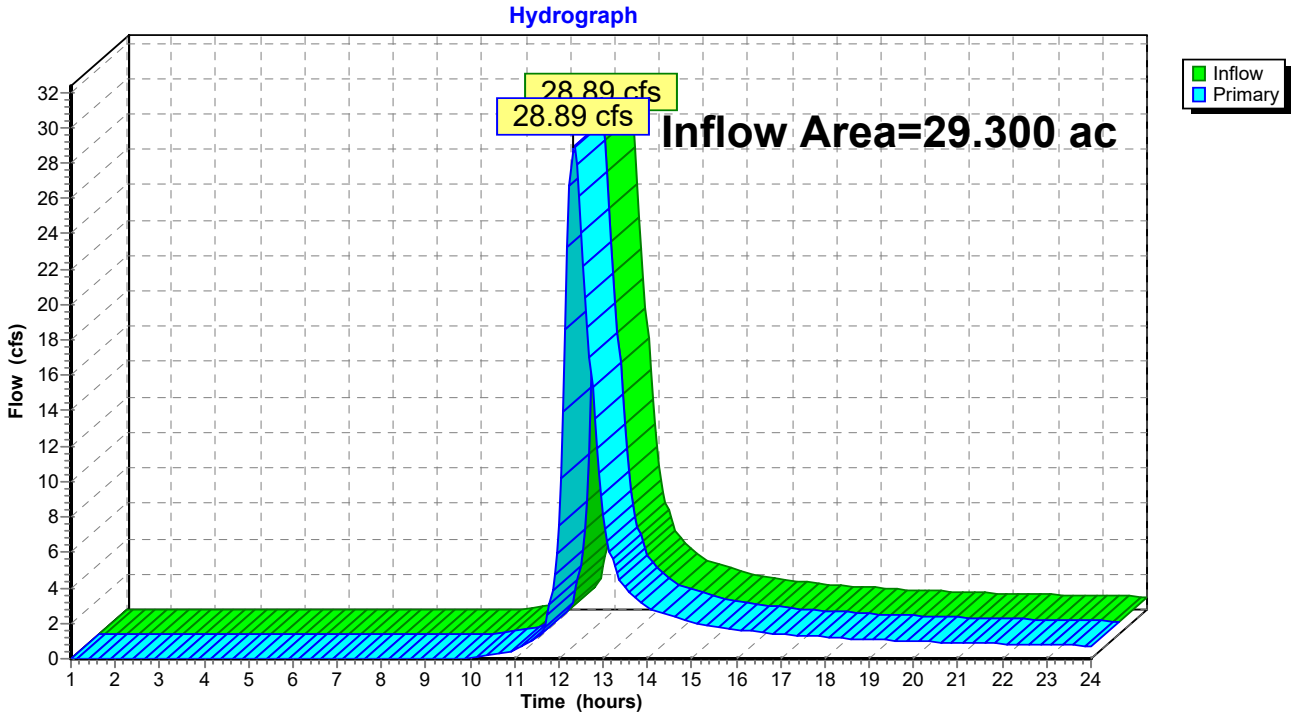


Summary for Link 3L: C

Inflow Area = 29.300 ac, 0.00% Impervious, Inflow Depth > 1.29" for 10-yr event
Inflow = 28.89 cfs @ 12.34 hrs, Volume= 3.140 af
Primary = 28.89 cfs @ 12.34 hrs, Volume= 3.140 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 3L: C

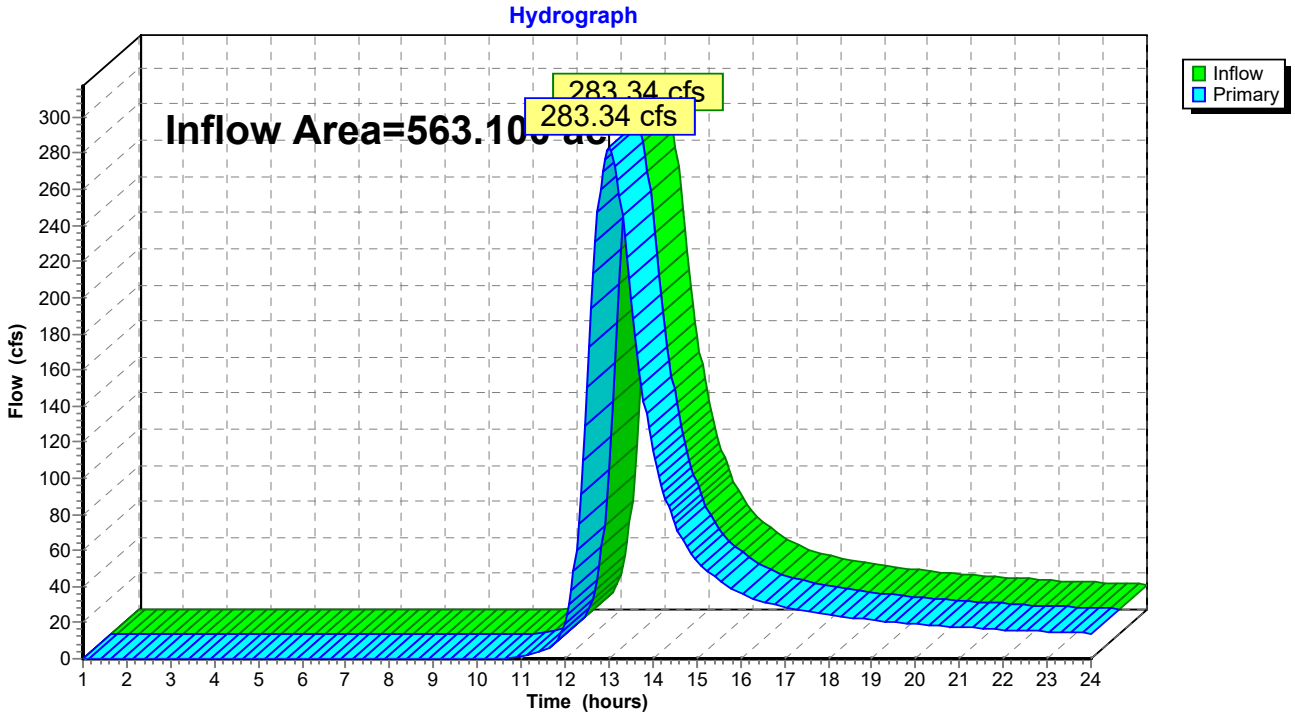


Summary for Link 4L: D

Inflow Area = 563.100 ac, 0.00% Impervious, Inflow Depth > 1.15" for 10-yr event
Inflow = 283.34 cfs @ 13.00 hrs, Volume= 53.754 af
Primary = 283.34 cfs @ 13.00 hrs, Volume= 53.754 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 4L: D

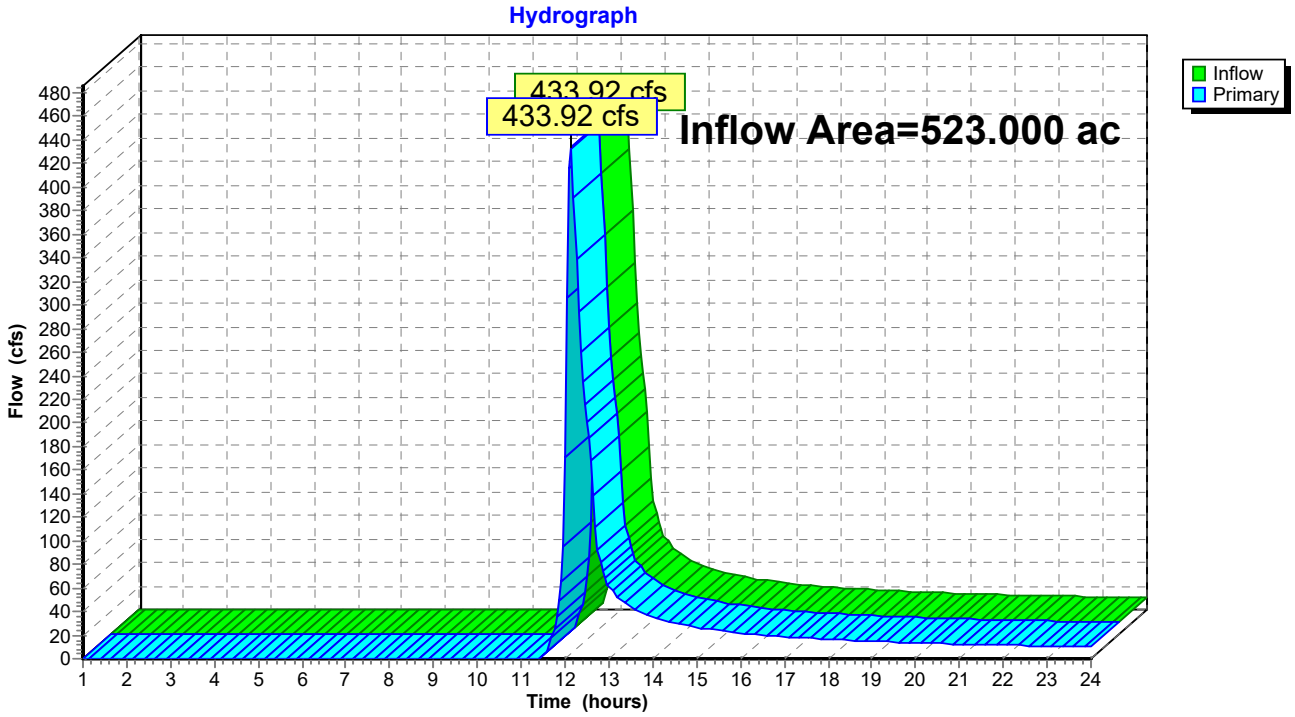


Summary for Link 5L: E

Inflow Area = 523.000 ac, 0.00% Impervious, Inflow Depth > 0.84" for 10-yr event
Inflow = 433.92 cfs @ 12.14 hrs, Volume= 36.652 af
Primary = 433.92 cfs @ 12.14 hrs, Volume= 36.652 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 5L: E

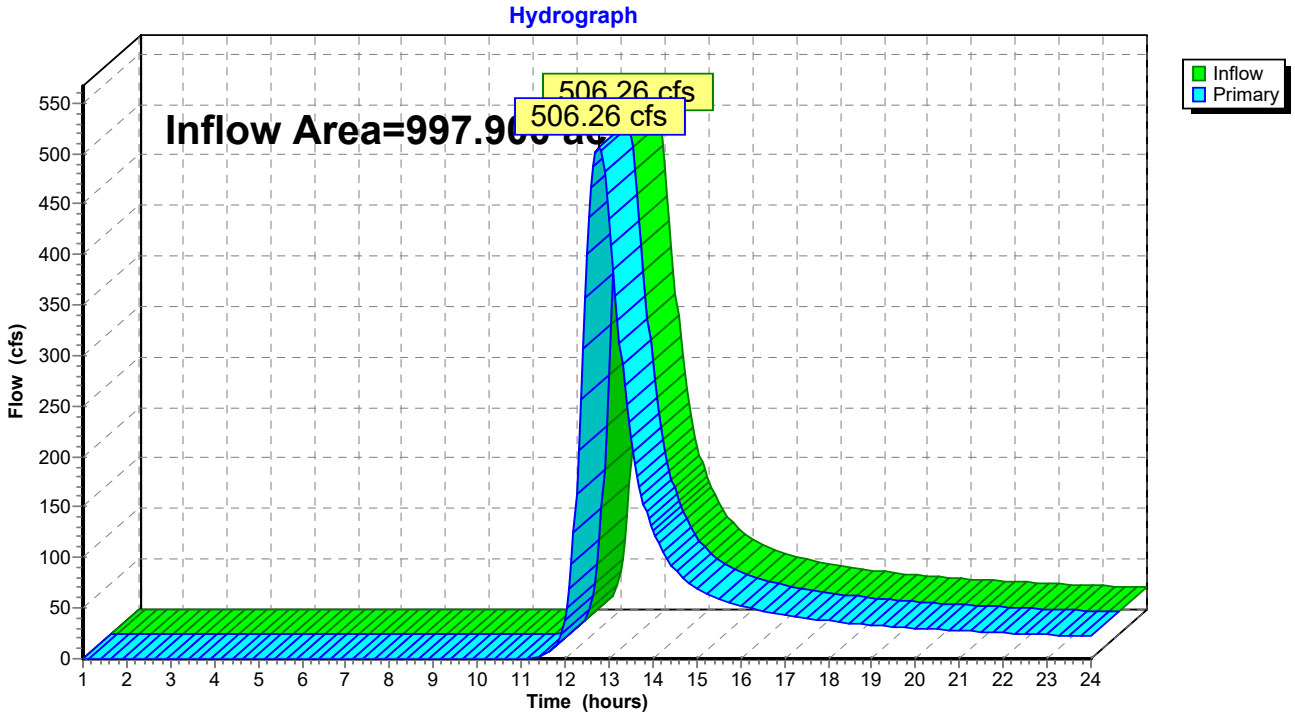


Summary for Link 6L: F

Inflow Area = 997.900 ac, 0.00% Impervious, Inflow Depth > 0.98" for 10-yr event
Inflow = 506.26 cfs @ 12.77 hrs, Volume= 81.741 af
Primary = 506.26 cfs @ 12.77 hrs, Volume= 81.741 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 6L: F

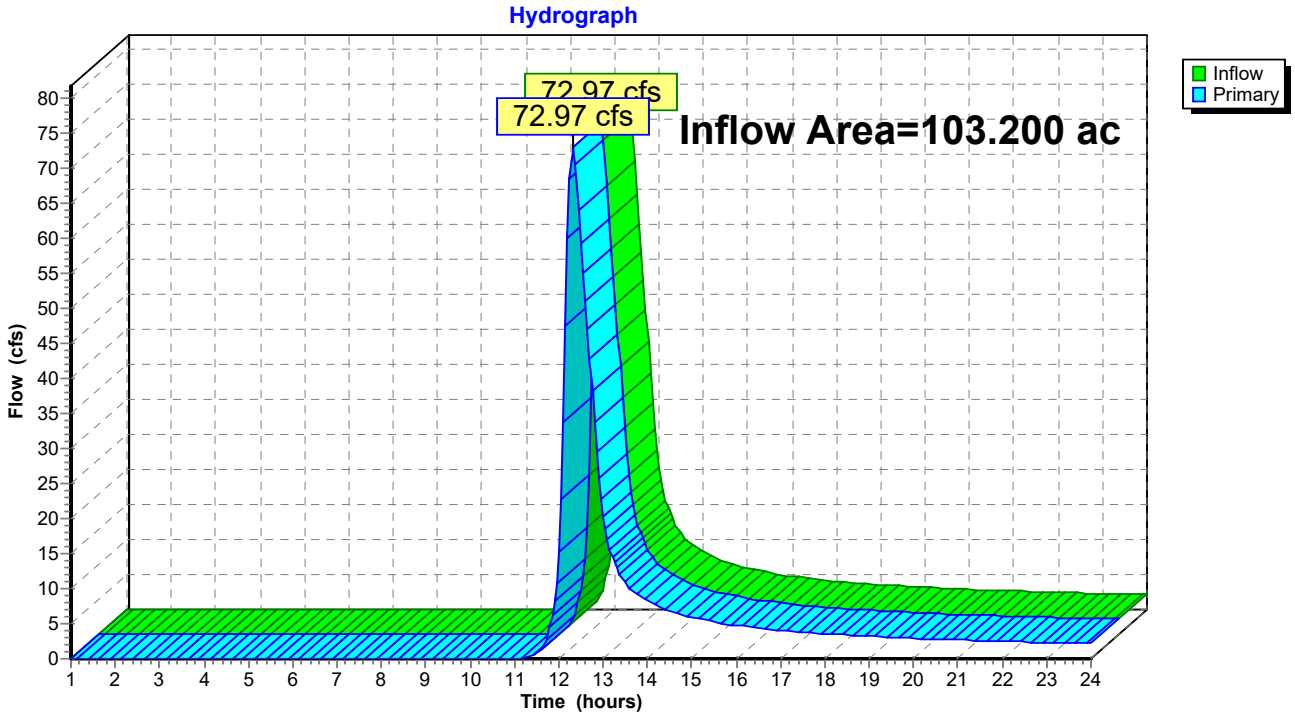


Summary for Link 7L: G

Inflow Area = 103.200 ac, 0.00% Impervious, Inflow Depth > 0.94" for 10-yr event
Inflow = 72.97 cfs @ 12.32 hrs, Volume= 8.078 af
Primary = 72.97 cfs @ 12.32 hrs, Volume= 8.078 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 7L: G

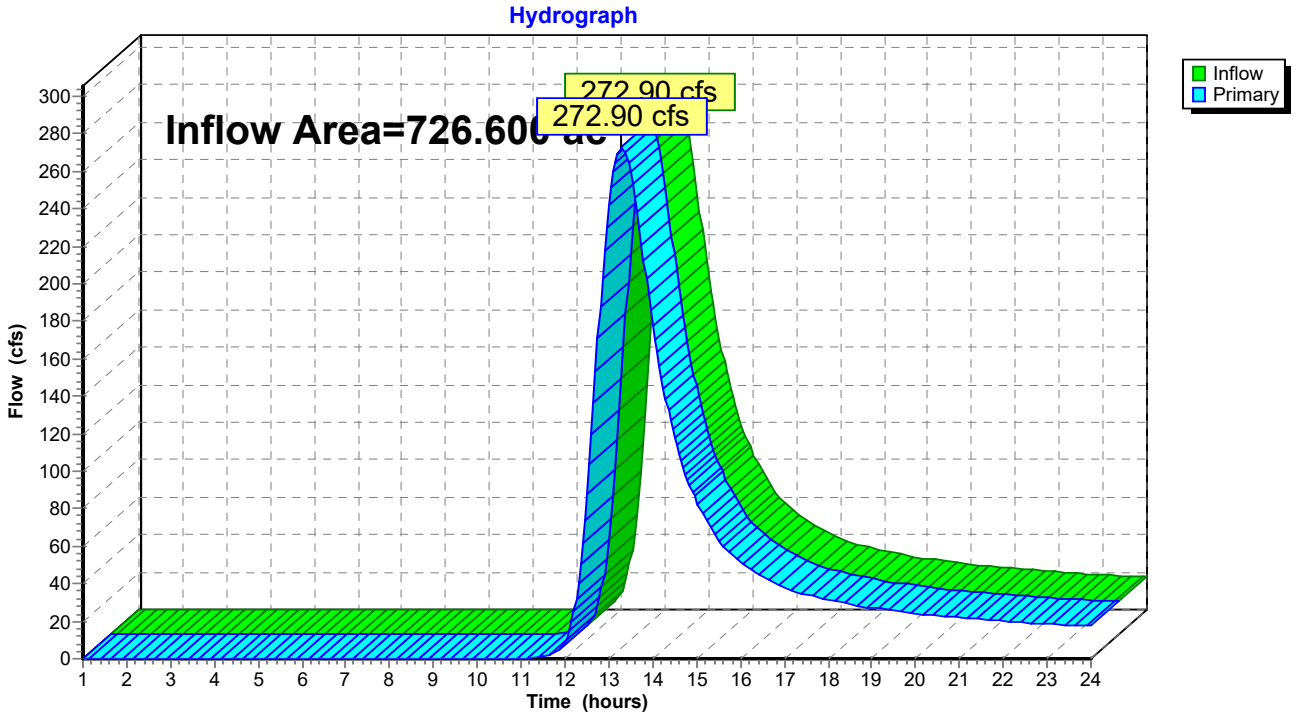


Summary for Link 8L: H

Inflow Area = 726.600 ac, 0.00% Impervious, Inflow Depth > 1.02" for 10-yr event
Inflow = 272.90 cfs @ 13.30 hrs, Volume= 61.965 af
Primary = 272.90 cfs @ 13.30 hrs, Volume= 61.965 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 8L: H

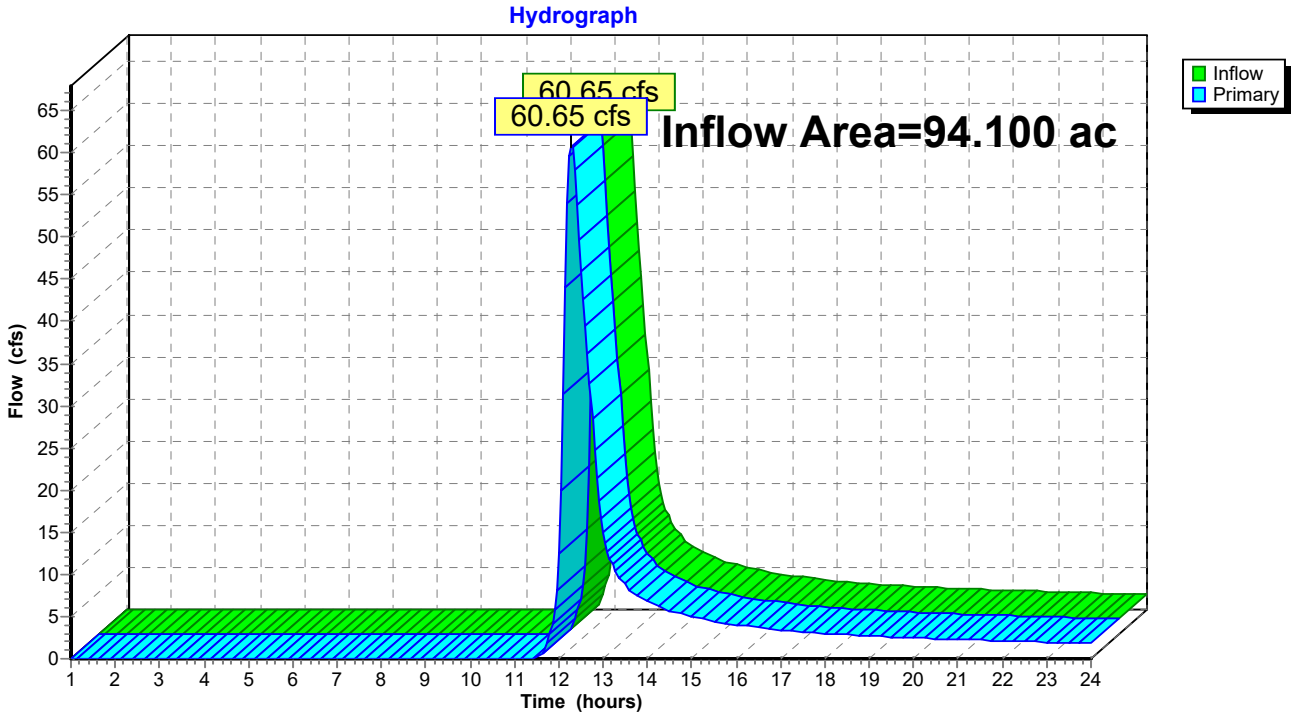


Summary for Link 9L: I

Inflow Area = 94.100 ac, 0.00% Impervious, Inflow Depth > 0.84" for 10-yr event
Inflow = 60.65 cfs @ 12.29 hrs, Volume= 6.572 af
Primary = 60.65 cfs @ 12.29 hrs, Volume= 6.572 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 9L: I

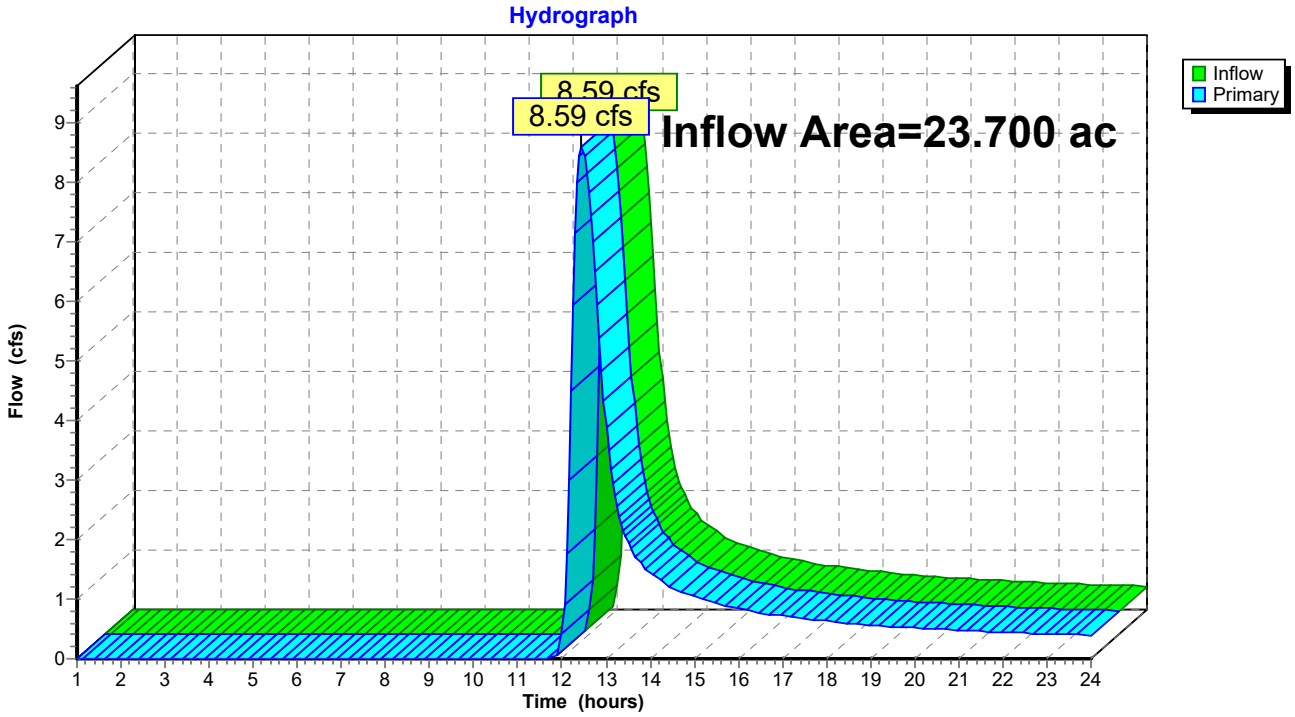


Summary for Link 10L: J

Inflow Area = 23.700 ac, 0.00% Impervious, Inflow Depth > 0.61" for 10-yr event
Inflow = 8.59 cfs @ 12.45 hrs, Volume= 1.201 af
Primary = 8.59 cfs @ 12.45 hrs, Volume= 1.201 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 10L: J

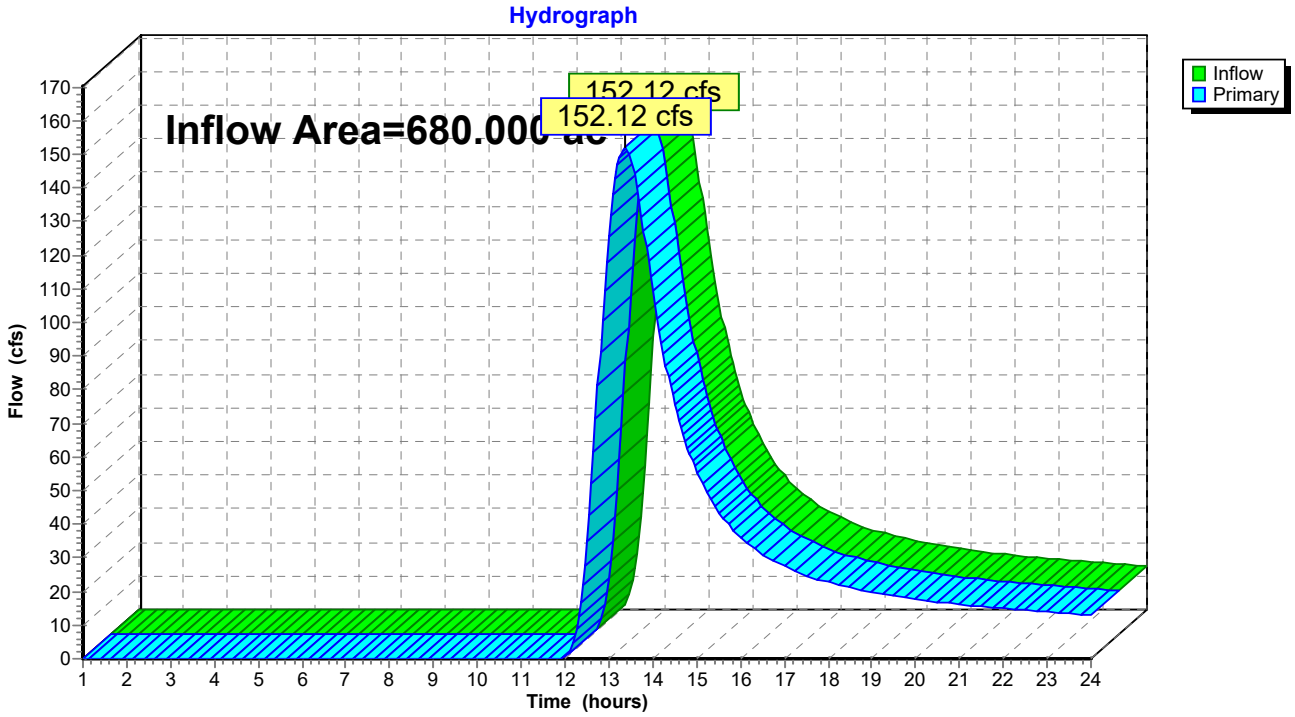


Summary for Link 11L: K

Inflow Area = 680.000 ac, 0.00% Impervious, Inflow Depth > 0.68" for 10-yr event
Inflow = 152.12 cfs @ 13.38 hrs, Volume= 38.316 af
Primary = 152.12 cfs @ 13.38 hrs, Volume= 38.316 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 11L: K

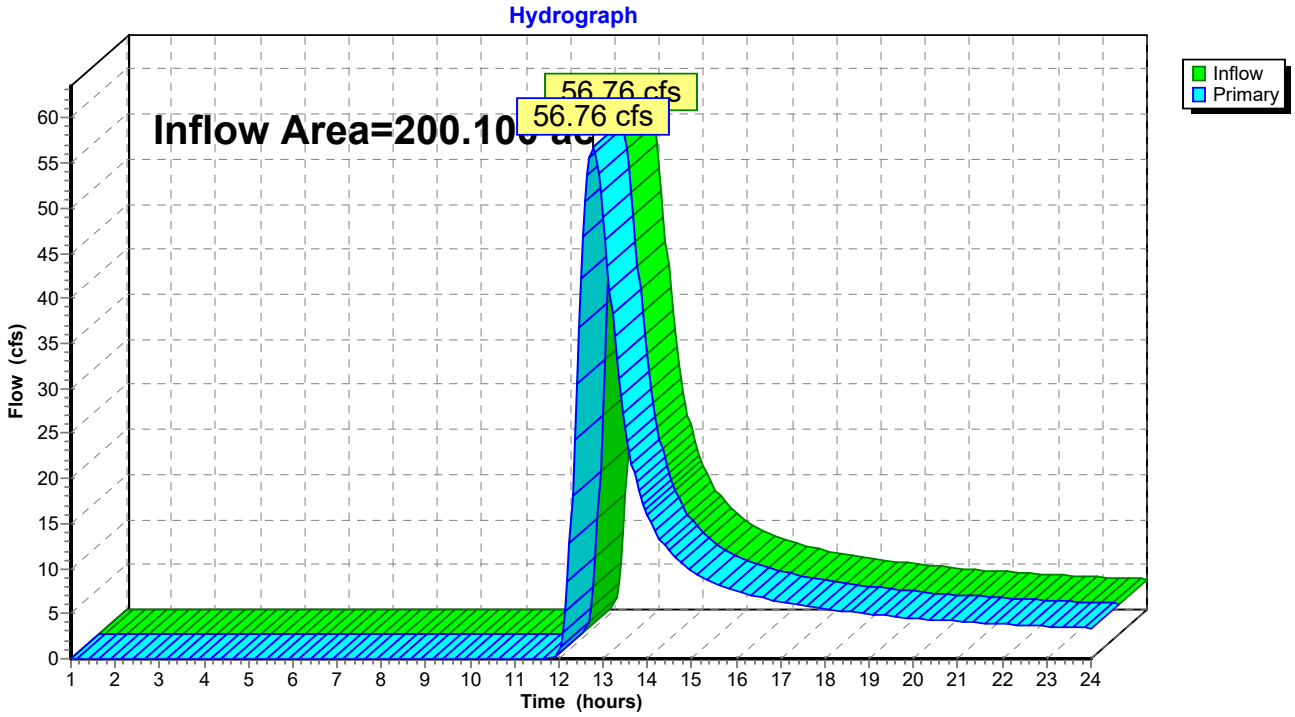


Summary for Link 12L: L

Inflow Area = 200.100 ac, 0.00% Impervious, Inflow Depth > 0.60" for 10-yr event
Inflow = 56.76 cfs @ 12.77 hrs, Volume= 10.053 af
Primary = 56.76 cfs @ 12.77 hrs, Volume= 10.053 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 12L: L

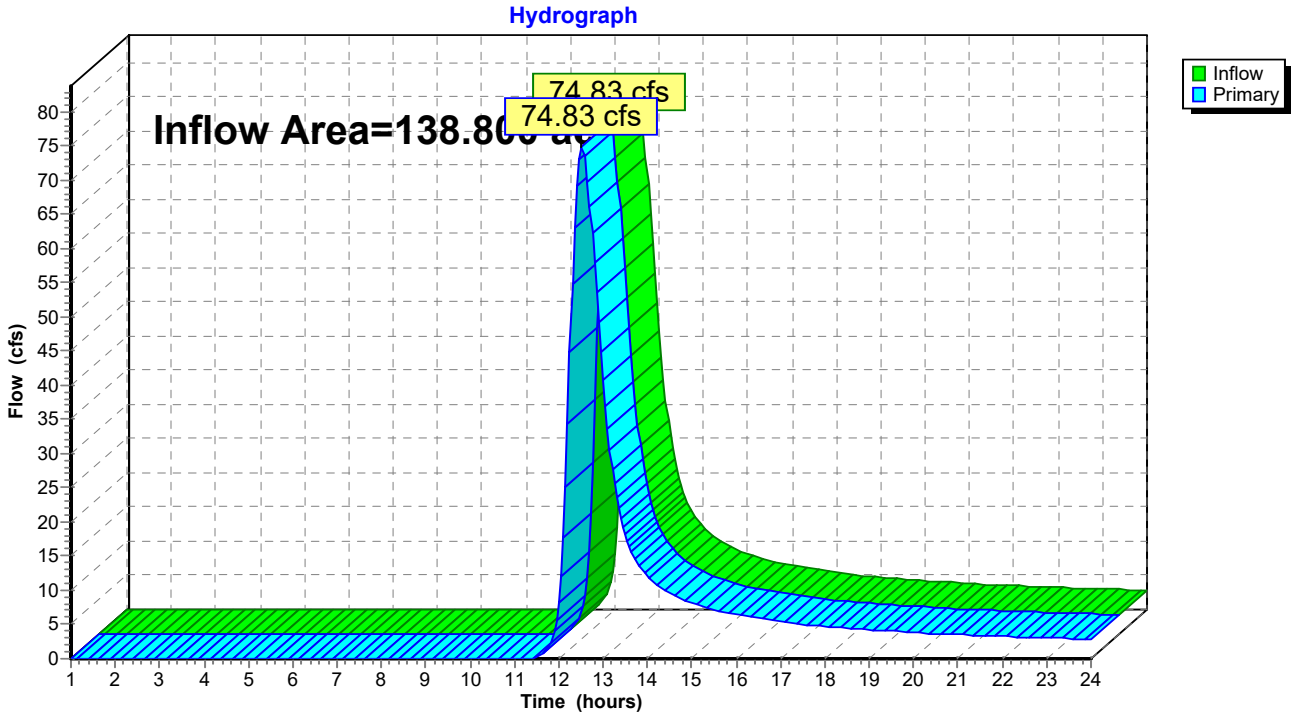


Summary for Link 13L: M

Inflow Area = 138.800 ac, 0.00% Impervious, Inflow Depth > 0.88" for 10-yr event
Inflow = 74.83 cfs @ 12.52 hrs, Volume= 10.220 af
Primary = 74.83 cfs @ 12.52 hrs, Volume= 10.220 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 13L: M

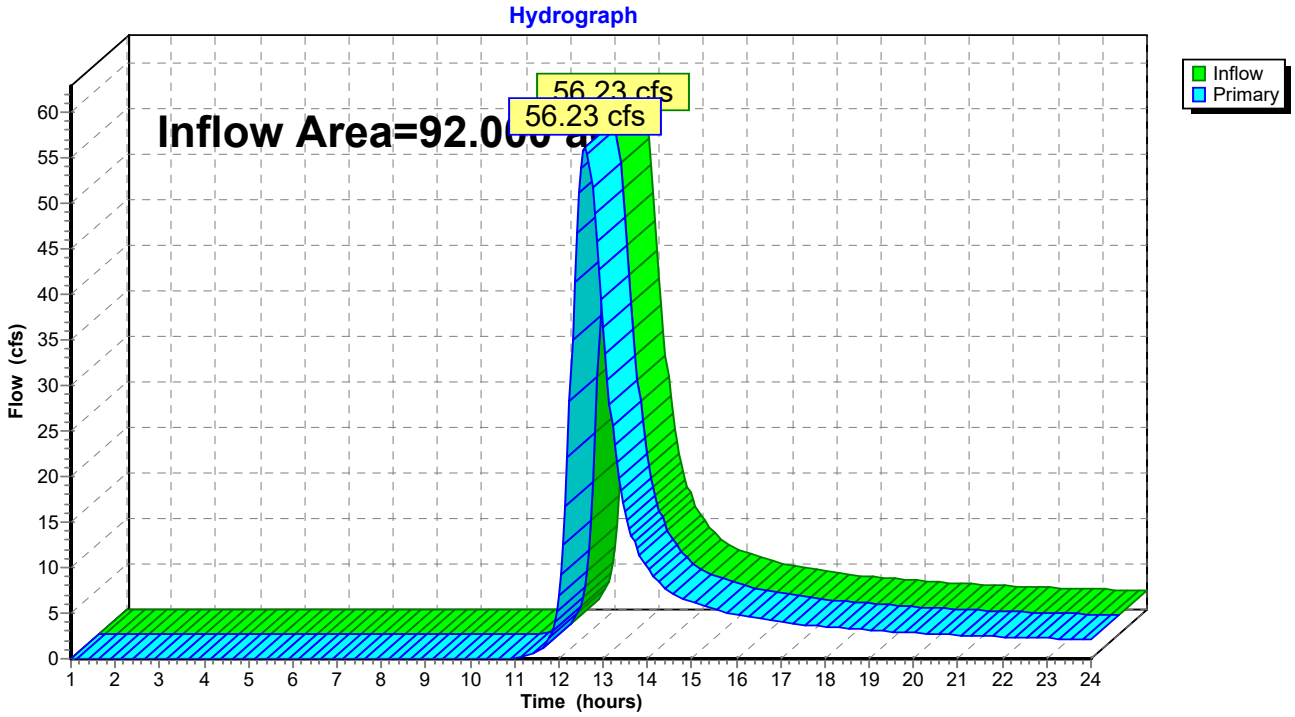


Summary for Link 14L: N

Inflow Area = 92.000 ac, 0.00% Impervious, Inflow Depth > 1.04" for 10-yr event
Inflow = 56.23 cfs @ 12.60 hrs, Volume= 7.986 af
Primary = 56.23 cfs @ 12.60 hrs, Volume= 7.986 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 14L: N

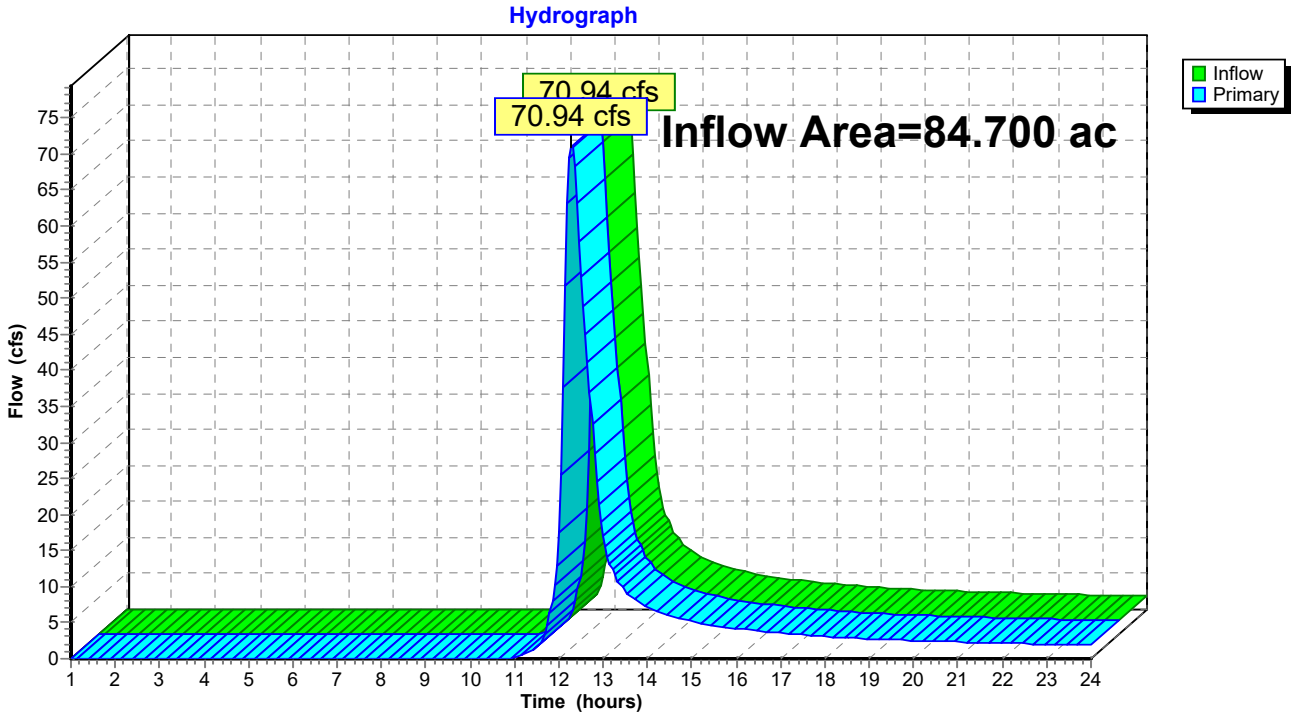


Summary for Link 15L: O

Inflow Area = 84.700 ac, 0.00% Impervious, Inflow Depth > 1.05" for 10-yr event
Inflow = 70.94 cfs @ 12.29 hrs, Volume= 7.401 af
Primary = 70.94 cfs @ 12.29 hrs, Volume= 7.401 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 15L: O



Time span=1.00-24.00 hrs, dt=0.05 hrs, 461 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: 1 Runoff Area=1,033.300 ac 0.00% Impervious Runoff Depth>2.47"
Flow Length=16,710' Slope=0.0270 '/' Tc=87.0 min CN=76 Runoff=1,073.77 cfs 212.923 af

Subcatchment 2S: 2 Runoff Area=151.300 ac 0.00% Impervious Runoff Depth>2.76"
Flow Length=4,670' Tc=51.1 min CN=79 Runoff=244.76 cfs 34.809 af

Subcatchment 3S: 3 Runoff Area=29.300 ac 0.00% Impervious Runoff Depth>2.87"
Flow Length=1,150' Tc=26.3 min CN=80 Runoff=68.17 cfs 7.003 af

Subcatchment 4S: 4 Runoff Area=563.100 ac 0.00% Impervious Runoff Depth>2.66"
Flow Length=11,900' Tc=72.6 min CN=78 Runoff=713.33 cfs 124.676 af

Subcatchment 5S: 5 Runoff Area=523.000 ac 0.00% Impervious Runoff Depth>2.18"
Flow Length=1,375' Slope=0.2200 '/' Tc=11.8 min CN=72 Runoff=1,262.47 cfs 95.202 af

Subcatchment 6S: 6 Runoff Area=997.900 ac 0.00% Impervious Runoff Depth>2.41"
Flow Length=9,785' Tc=53.1 min CN=75 Runoff=1,375.29 cfs 200.372 af

Subcatchment 7S: 7 Runoff Area=103.200 ac 0.00% Impervious Runoff Depth>2.34"
Flow Length=3,500' Slope=0.0900 '/' Tc=24.2 min CN=74 Runoff=201.67 cfs 20.149 af

Subcatchment 8S: 8 Runoff Area=726.600 ac 0.00% Impervious Runoff Depth>2.47"
Flow Length=8,910' Tc=92.8 min CN=76 Runoff=722.64 cfs 149.486 af

Subcatchment 9S: 9 Runoff Area=94.100 ac 0.00% Impervious Runoff Depth>2.18"
Flow Length=2,775' Tc=21.4 min CN=72 Runoff=179.02 cfs 17.086 af

Subcatchment 10S: 10 Runoff Area=23.700 ac 0.00% Impervious Runoff Depth>1.78"
Flow Length=1,385' Tc=29.0 min CN=67 Runoff=31.17 cfs 3.519 af

Subcatchment 11S: 11 Runoff Area=680.000 ac 0.00% Impervious Runoff Depth>1.90"
Flow Length=8,510' Tc=93.4 min CN=69 Runoff=504.60 cfs 107.567 af

Subcatchment 12S: 12 Runoff Area=200.100 ac 0.00% Impervious Runoff Depth>1.77"
Flow Length=5,325' Tc=49.2 min CN=67 Runoff=203.95 cfs 29.532 af

Subcatchment 13S: 13 Runoff Area=138.800 ac 0.00% Impervious Runoff Depth>2.25"
Flow Length=4,230' Tc=36.3 min CN=73 Runoff=214.55 cfs 26.051 af

Subcatchment 14S: 14 Runoff Area=92.000 ac 0.00% Impervious Runoff Depth>2.50"
Flow Length=3,010' Tc=42.3 min CN=76 Runoff=148.07 cfs 19.182 af

Subcatchment 15S: 15 Runoff Area=84.700 ac 0.00% Impervious Runoff Depth>2.51"
Flow Length=1,410' Tc=22.6 min CN=76 Runoff=184.62 cfs 17.748 af

Subcatchment 31BS: 1.2 Runoff Area=6.650 ac 0.00% Impervious Runoff Depth>3.35"
Tc=10.0 min CN=85 Runoff=26.93 cfs 1.858 af

Subcatchment31S: 1.1 Runoff Area=6.650 ac 0.00% Impervious Runoff Depth>3.35"
Tc=10.0 min CN=85 Runoff=26.93 cfs 1.858 af

Subcatchment32S: 2.1 Runoff Area=2.000 ac 0.00% Impervious Runoff Depth>3.55"
Tc=10.0 min CN=87 Runoff=8.53 cfs 0.592 af

Subcatchment33S: 4.1 Runoff Area=4.000 ac 0.00% Impervious Runoff Depth>3.55"
Tc=10.0 min CN=87 Runoff=17.06 cfs 1.184 af

Subcatchment34AS: 6.1 Runoff Area=4.700 ac 0.00% Impervious Runoff Depth>3.16"
Tc=10.0 min CN=83 Runoff=17.99 cfs 1.237 af

Subcatchment34BS: 6.2 Runoff Area=4.700 ac 0.00% Impervious Runoff Depth>3.16"
Tc=10.0 min CN=83 Runoff=17.99 cfs 1.237 af

Subcatchment35S: 7.1 Runoff Area=1.600 ac 0.00% Impervious Runoff Depth>3.45"
Tc=10.0 min CN=86 Runoff=6.65 cfs 0.460 af

Subcatchment36AS: 8.1 Runoff Area=4.250 ac 0.00% Impervious Runoff Depth>3.55"
Tc=10.0 min CN=87 Runoff=18.13 cfs 1.258 af

Subcatchment36BS: 8.2 Runoff Area=4.250 ac 0.00% Impervious Runoff Depth>3.55"
Tc=10.0 min CN=87 Runoff=18.13 cfs 1.258 af

Subcatchment37S: 9.1 Runoff Area=0.700 ac 0.00% Impervious Runoff Depth>3.45"
Tc=10.0 min CN=86 Runoff=2.91 cfs 0.201 af

Subcatchment38S: 10.1 Runoff Area=0.500 ac 0.00% Impervious Runoff Depth>3.26"
Tc=10.0 min CN=84 Runoff=1.97 cfs 0.136 af

Subcatchment39S: 11.1 Runoff Area=4.000 ac 0.00% Impervious Runoff Depth>2.79"
Tc=10.0 min CN=79 Runoff=13.50 cfs 0.929 af

Subcatchment40S: 12.1 Runoff Area=1.800 ac 0.00% Impervious Runoff Depth>2.97"
Tc=10.0 min CN=81 Runoff=6.48 cfs 0.446 af

Subcatchment41S: 13.1 Runoff Area=4.500 ac 0.00% Impervious Runoff Depth>3.35"
Tc=10.0 min CN=85 Runoff=18.22 cfs 1.257 af

Subcatchment42S: 14.1 Runoff Area=0.500 ac 0.00% Impervious Runoff Depth>3.55"
Tc=10.0 min CN=87 Runoff=2.13 cfs 0.148 af

Subcatchment43S: 15.1 Runoff Area=1.100 ac 0.00% Impervious Runoff Depth>3.55"
Tc=10.0 min CN=87 Runoff=4.69 cfs 0.326 af

Pond 1AP: Dry Swale 1.1 Peak Elev=0.80' Storage=1.130 af Inflow=26.93 cfs 1.858 af
Outflow=1.09 cfs 1.136 af

Pond 1BP: Dry Swale 1.2 Peak Elev=0.80' Storage=1.130 af Inflow=26.93 cfs 1.858 af
Outflow=1.09 cfs 1.136 af

Pond 2P: Dry Swale 2 Peak Elev=0.84' Storage=0.362 af Inflow=8.53 cfs 0.592 af
Outflow=0.34 cfs 0.357 af

Pond 4P: Dry Swale 4 Peak Elev=0.84' Storage=0.724 af Inflow=17.06 cfs 1.184 af
Outflow=0.68 cfs 0.714 af

Pond 6AP: Dry Swale 6.1 Peak Elev=0.76' Storage=0.746 af Inflow=17.99 cfs 1.237 af
Outflow=0.75 cfs 0.768 af

Pond 6BP: Dry Swale 6.2 Peak Elev=0.76' Storage=0.746 af Inflow=17.99 cfs 1.237 af
Outflow=0.75 cfs 0.768 af

Pond 7P: Dry Swale 7 Peak Elev=0.82' Storage=0.281 af Inflow=6.65 cfs 0.460 af
Outflow=0.27 cfs 0.279 af

Pond 8AP: Dry Swale 8.1 Peak Elev=0.83' Storage=0.770 af Inflow=18.13 cfs 1.258 af
Outflow=0.72 cfs 0.759 af

Pond 8BP: Dry Swale 8.2 Peak Elev=0.83' Storage=0.770 af Inflow=18.13 cfs 1.258 af
Outflow=0.72 cfs 0.759 af

Pond 9P: Dry Swale 9 Peak Elev=0.82' Storage=0.123 af Inflow=2.91 cfs 0.201 af
Outflow=0.12 cfs 0.122 af

Pond 10P: Dry Swale 10 Peak Elev=0.78' Storage=0.082 af Inflow=1.97 cfs 0.136 af
Outflow=0.08 cfs 0.084 af

Pond 11P: Dry Swale 11 Peak Elev=0.68' Storage=0.550 af Inflow=13.50 cfs 0.929 af
Outflow=0.60 cfs 0.597 af

Pond 12P: Dry Swale 12 Peak Elev=0.72' Storage=0.266 af Inflow=6.48 cfs 0.446 af
Outflow=0.28 cfs 0.281 af

Pond 13P: Dry Swale 13 Peak Elev=0.81' Storage=0.767 af Inflow=18.22 cfs 1.257 af
Outflow=0.73 cfs 0.761 af

Pond 14P: Dry Swale 14 Peak Elev=0.83' Storage=0.090 af Inflow=2.13 cfs 0.148 af
Outflow=0.08 cfs 0.089 af

Pond 15P: Dry Swale 15 Peak Elev=0.84' Storage=0.199 af Inflow=4.69 cfs 0.326 af
Outflow=0.19 cfs 0.196 af

Link 1L: A Inflow=1,073.77 cfs 212.923 af
Primary=1,073.77 cfs 212.923 af

Link 2L: B Inflow=244.76 cfs 34.809 af
Primary=244.76 cfs 34.809 af

Link 3L: C Inflow=68.17 cfs 7.003 af
Primary=68.17 cfs 7.003 af

Link 4L: D Inflow=713.33 cfs 124.676 af
Primary=713.33 cfs 124.676 af

Link 5L: E Inflow=1,262.47 cfs 95.202 af
Primary=1,262.47 cfs 95.202 af

Link 6L: F Inflow=1,375.29 cfs 200.372 af
Primary=1,375.29 cfs 200.372 af

Link 7L: G Inflow=201.67 cfs 20.149 af
Primary=201.67 cfs 20.149 af

Link 8L: H Inflow=722.64 cfs 149.486 af
Primary=722.64 cfs 149.486 af

Link 9L: I Inflow=179.02 cfs 17.086 af
Primary=179.02 cfs 17.086 af

Link 10L: J Inflow=31.17 cfs 3.519 af
Primary=31.17 cfs 3.519 af

Link 11L: K Inflow=504.60 cfs 107.567 af
Primary=504.60 cfs 107.567 af

Link 12L: L Inflow=203.95 cfs 29.532 af
Primary=203.95 cfs 29.532 af

Link 13L: M Inflow=214.55 cfs 26.051 af
Primary=214.55 cfs 26.051 af

Link 14L: N Inflow=148.07 cfs 19.182 af
Primary=148.07 cfs 19.182 af

Link 15L: O Inflow=184.62 cfs 17.748 af
Primary=184.62 cfs 17.748 af

Total Runoff Area = 5,493.000 ac Runoff Volume = 1,079.691 af Average Runoff Depth = 2.36"
100.00% Pervious = 5,493.000 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 1S: 1

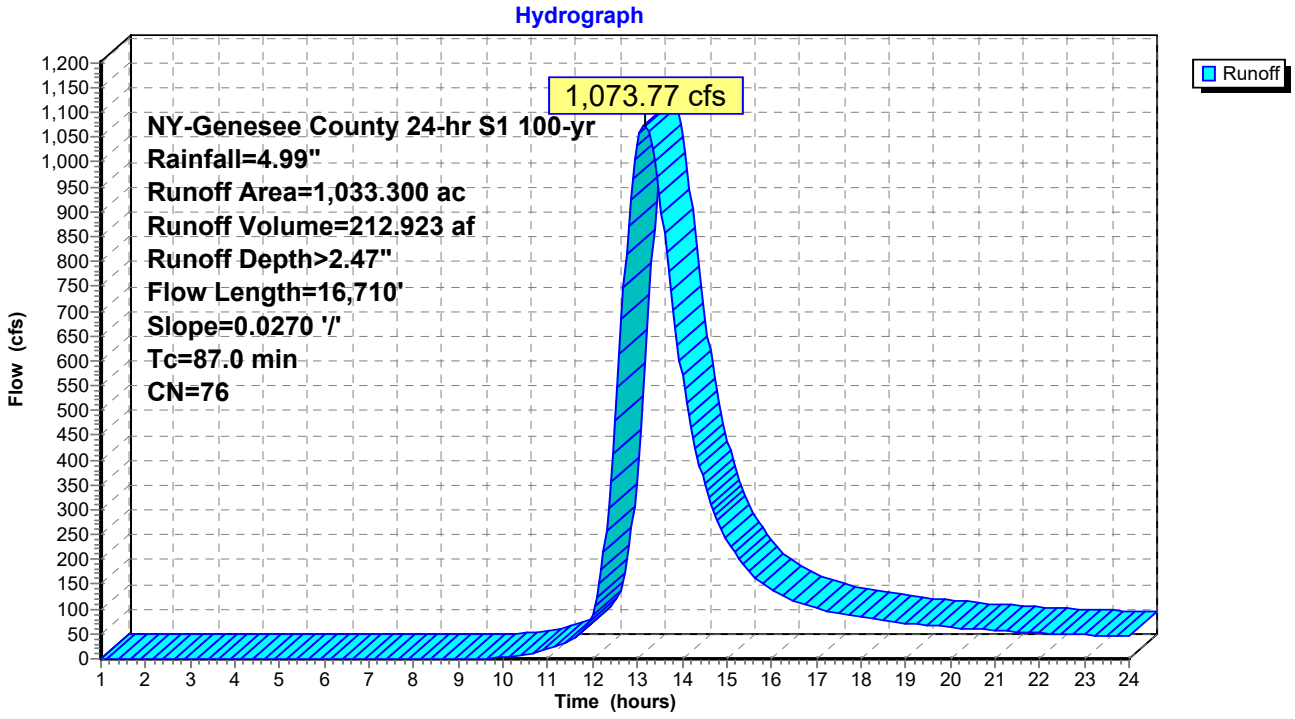
Runoff = 1,073.77 cfs @ 13.16 hrs, Volume= 212.923 af, Depth> 2.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	1,033.300	76	
	1,033.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
55.2	16,560		5.00		**Direct Entry,**
87.0	16,710	Total			

Subcatchment 1S: 1



Summary for Subcatchment 2S: 2

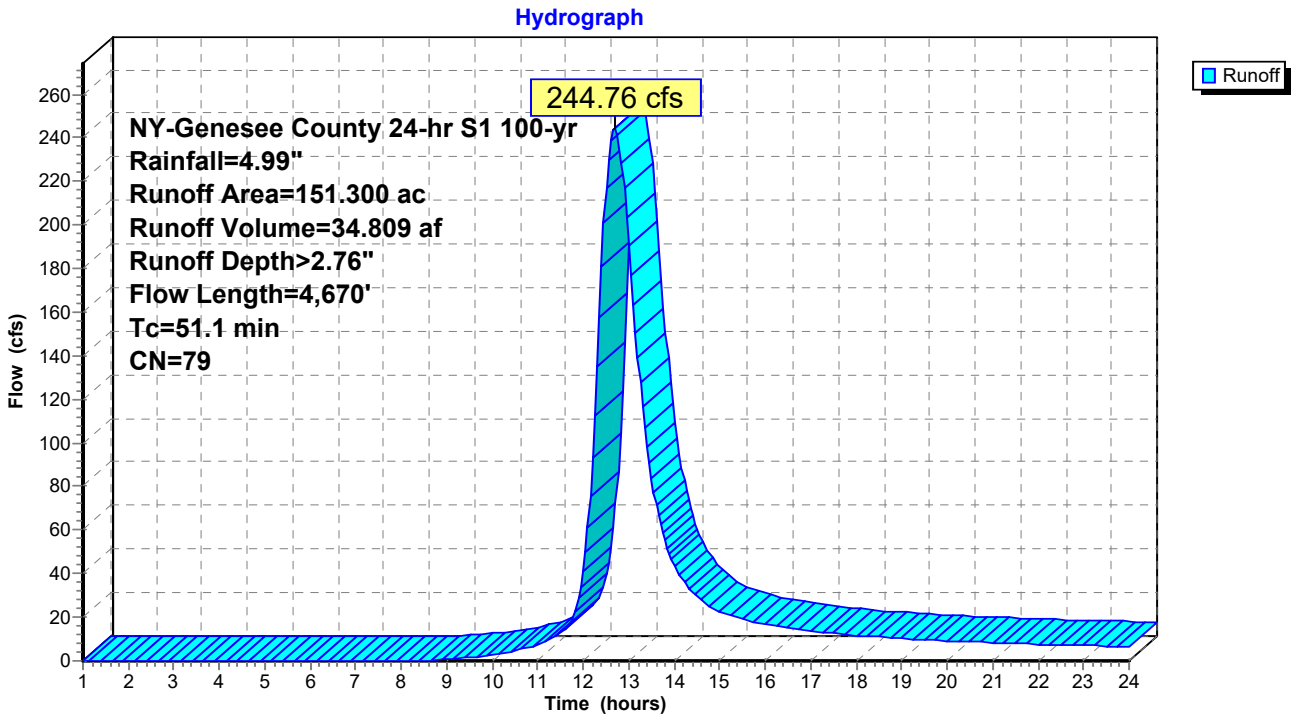
Runoff = 244.76 cfs @ 12.69 hrs, Volume= 34.809 af, Depth> 2.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	151.300	79	
	151.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.8	150	0.0270	0.08		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.9	2,300	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.4	2,220		5.00		**Direct Entry,**
51.1	4,670	Total			

Subcatchment 2S: 2



Summary for Subcatchment 3S: 3

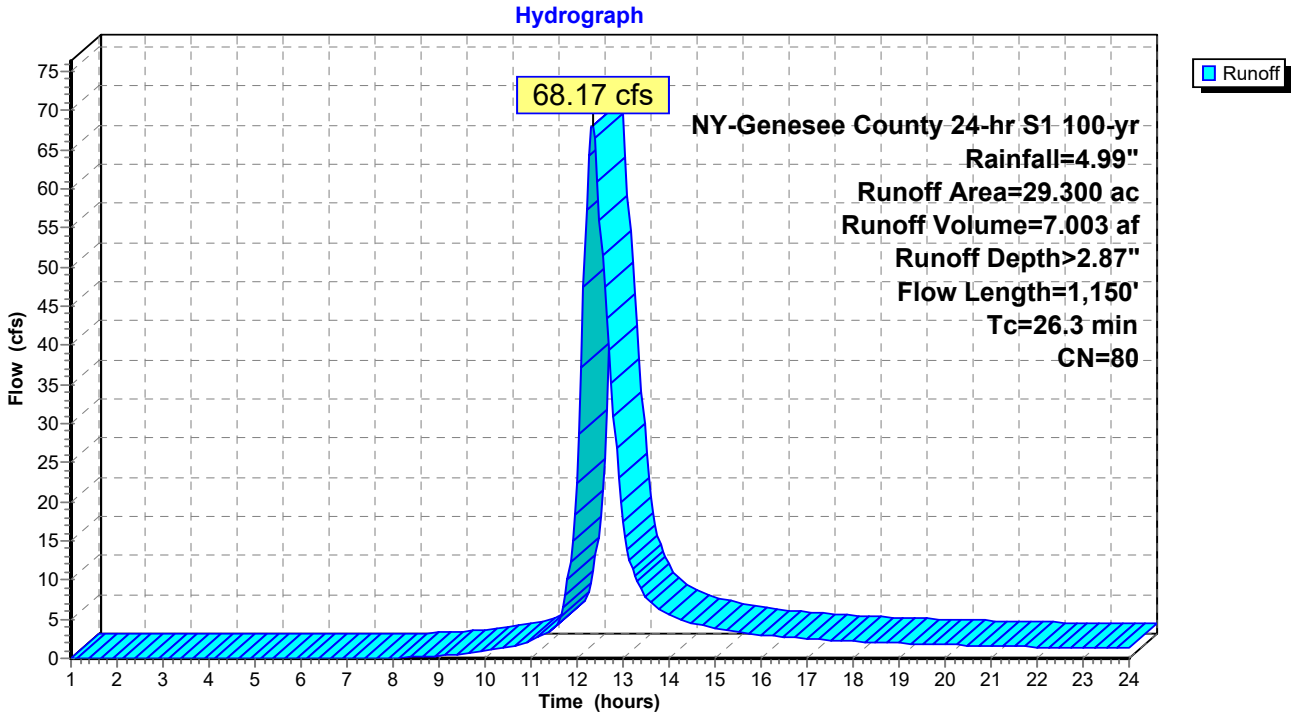
Runoff = 68.17 cfs @ 12.33 hrs, Volume= 7.003 af, Depth> 2.87"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	29.300	80	
	29.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,000	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
26.3	1,150	Total			

Subcatchment 3S: 3



Summary for Subcatchment 4S: 4

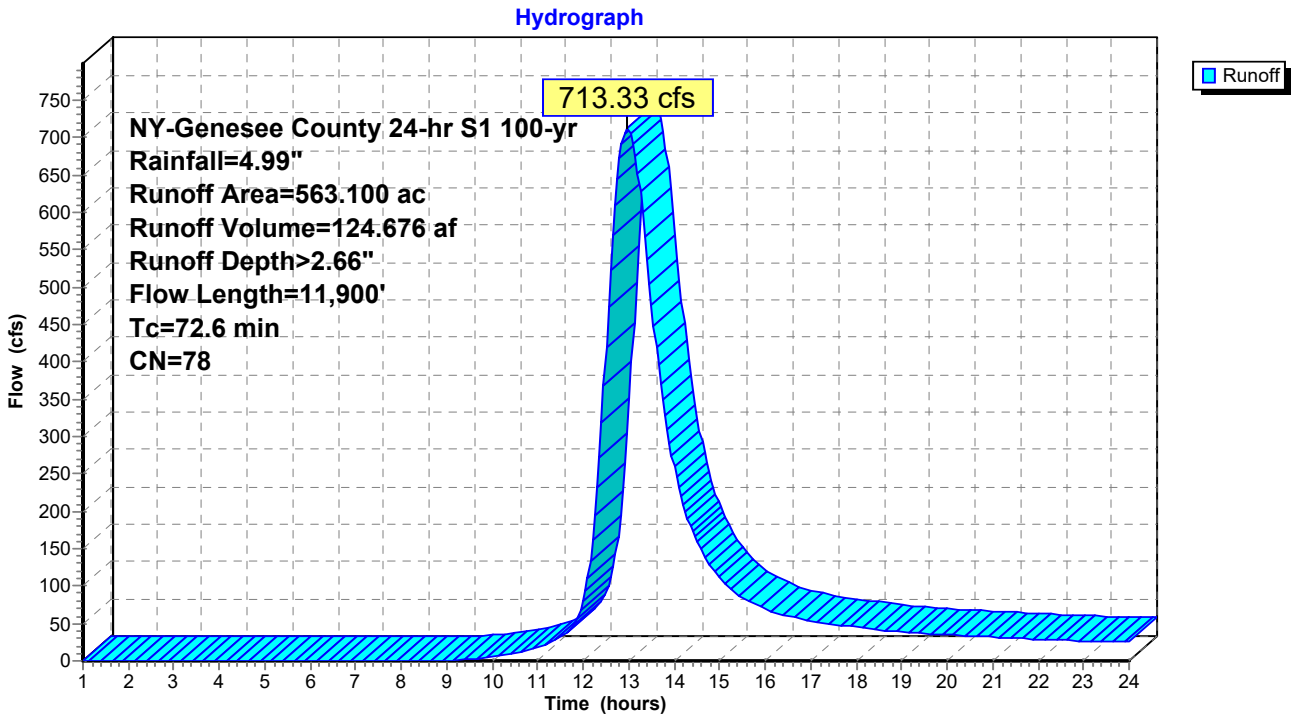
Runoff = 713.33 cfs @ 12.98 hrs, Volume= 124.676 af, Depth> 2.66"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	563.100	78	
	563.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
27.1	150	0.0400	0.09		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
11.7	1,600	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
33.8	10,150		5.00		**Direct Entry,**
72.6	11,900	Total			

Subcatchment 4S: 4



Summary for Subcatchment 5S: 5

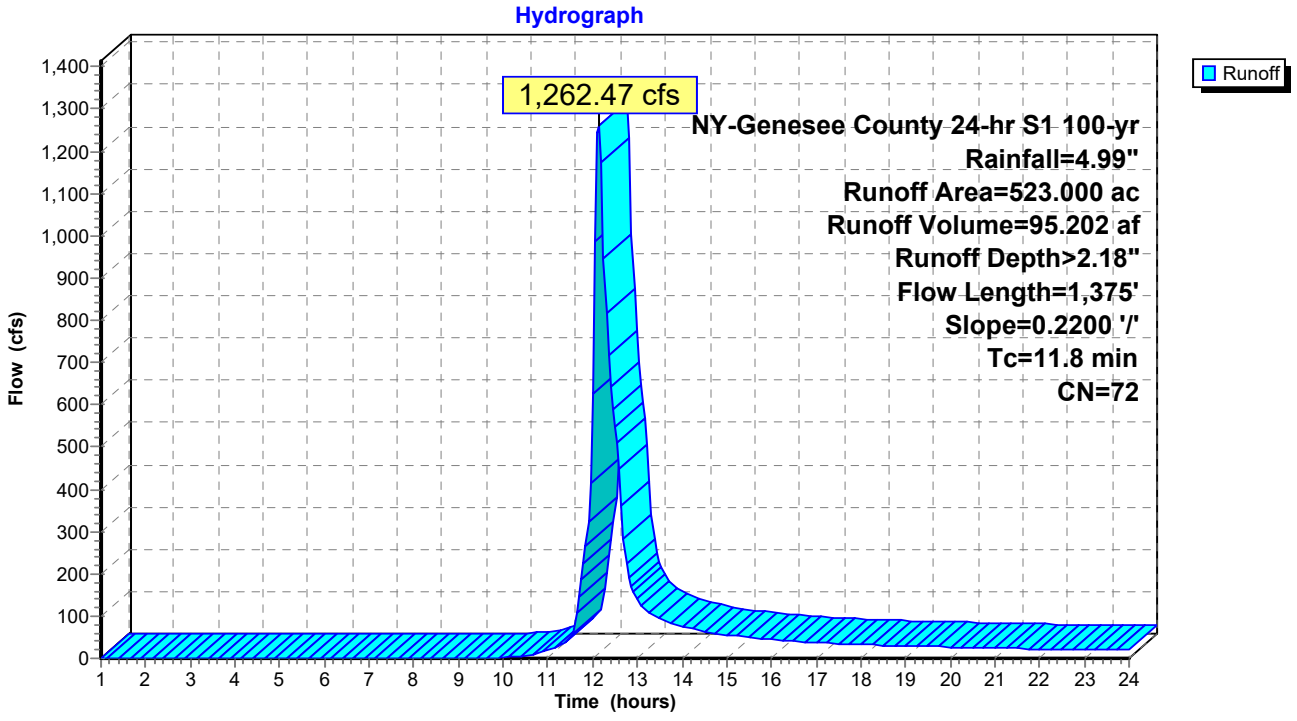
Runoff = 1,262.47 cfs @ 12.13 hrs, Volume= 95.202 af, Depth> 2.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	523.000	72	
	523.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	150	0.2200	0.27		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	1,225	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.8	1,375	Total			

Subcatchment 5S: 5



Summary for Subcatchment 6S: 6

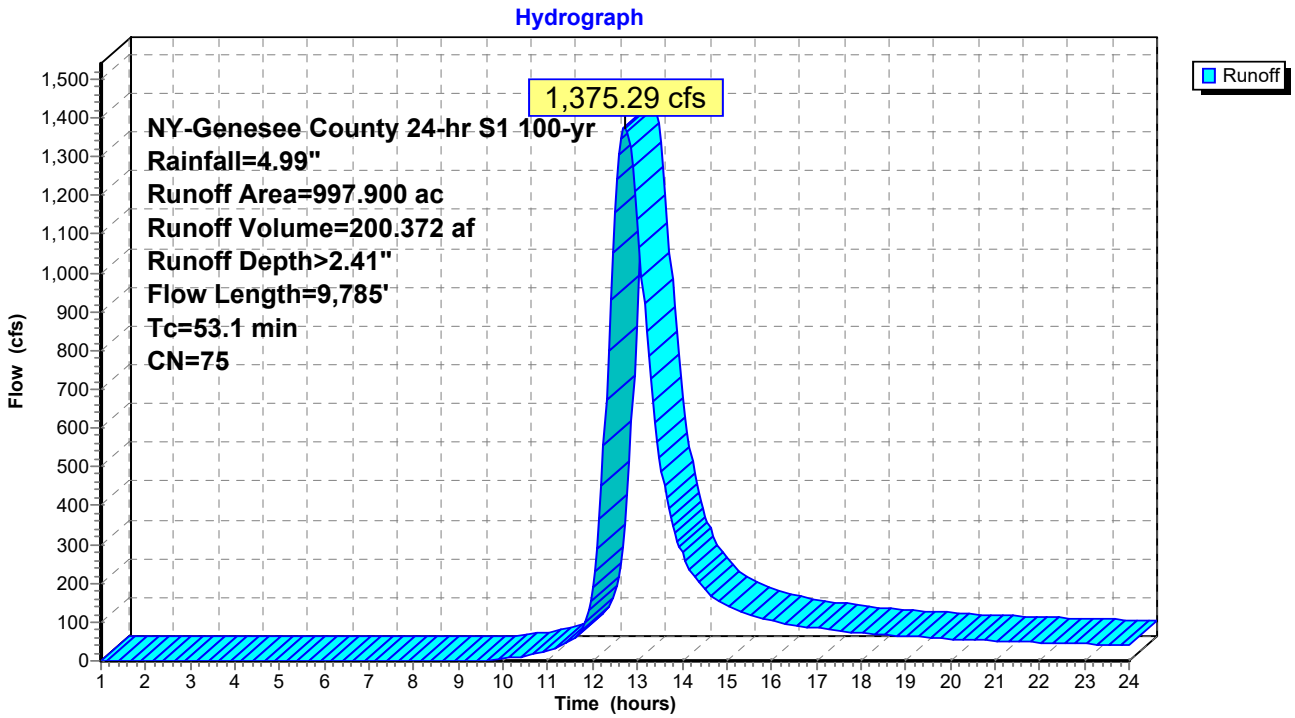
Runoff = 1,375.29 cfs @ 12.72 hrs, Volume= 200.372 af, Depth> 2.41"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	997.900	75	
	997.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.1	150	0.0270	0.12		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.7	1,450	0.1000	5.09		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
27.3	8,185		5.00		**Direct Entry,**
53.1	9,785	Total			

Subcatchment 6S: 6



Summary for Subcatchment 7S: 7

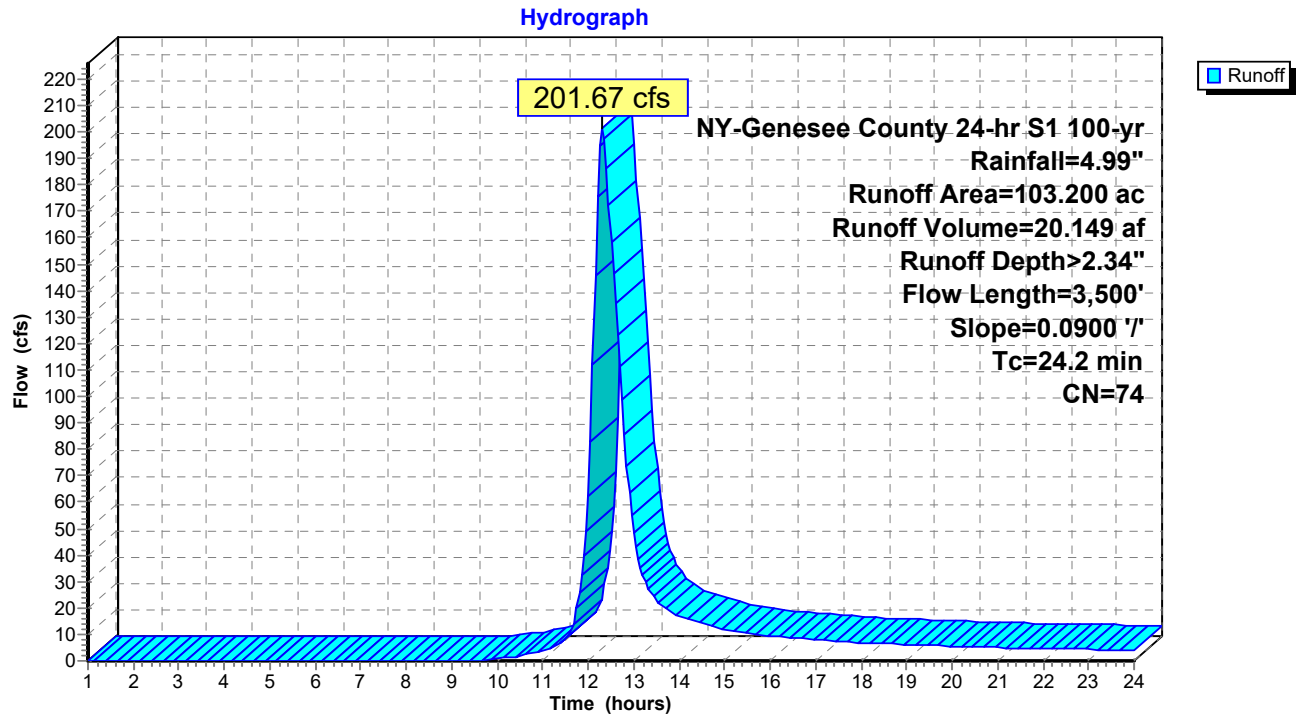
Runoff = 201.67 cfs @ 12.31 hrs, Volume= 20.149 af, Depth> 2.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	103.200	74	
	103.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	500	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
9.5	2,850		5.00		**Direct Entry,**
24.2	3,500	Total			

Subcatchment 7S: 7



Summary for Subcatchment 8S: 8

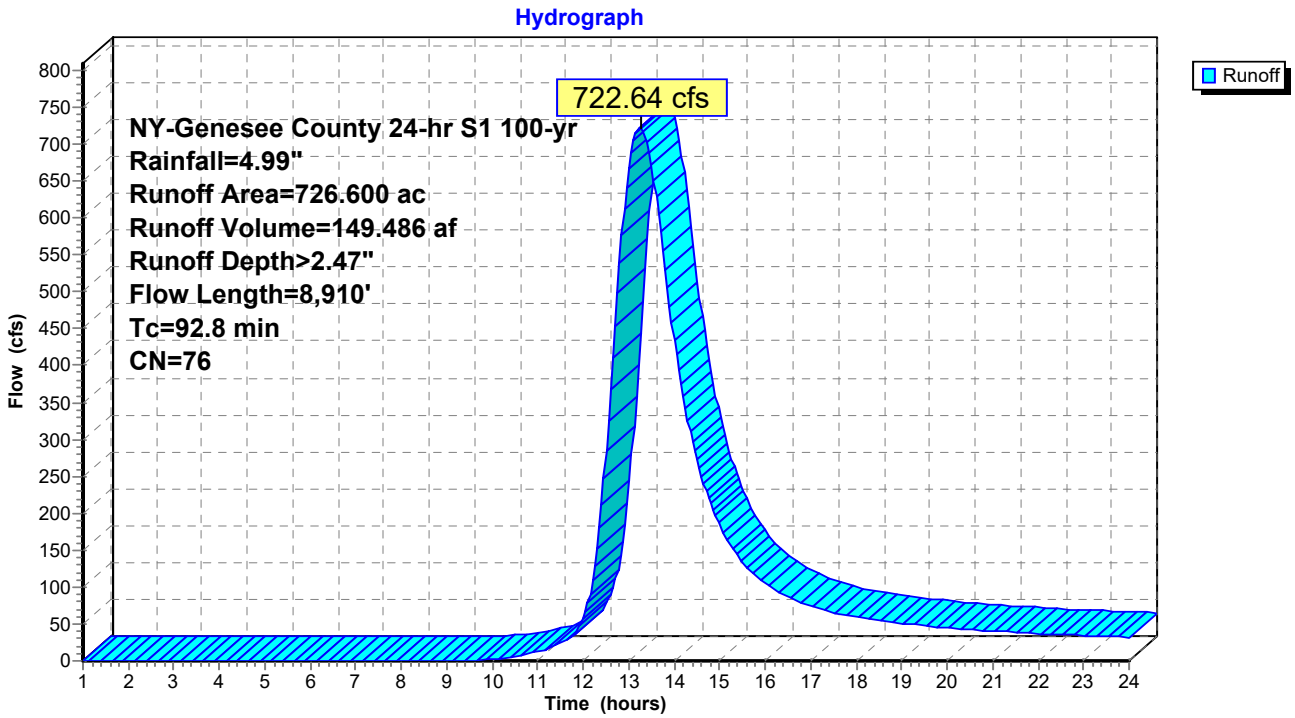
Runoff = 722.64 cfs @ 13.26 hrs, Volume= 149.486 af, Depth> 2.47"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	726.600	76	
	726.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
47.3	150	0.0100	0.05		**Sheet Flow,** Woods: Light underbrush n= 0.400 P2= 2.20"
30.0	4,100	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
15.5	4,660		5.00		**Direct Entry,**
92.8	8,910	Total			

Subcatchment 8S: 8



Summary for Subcatchment 9S: 9

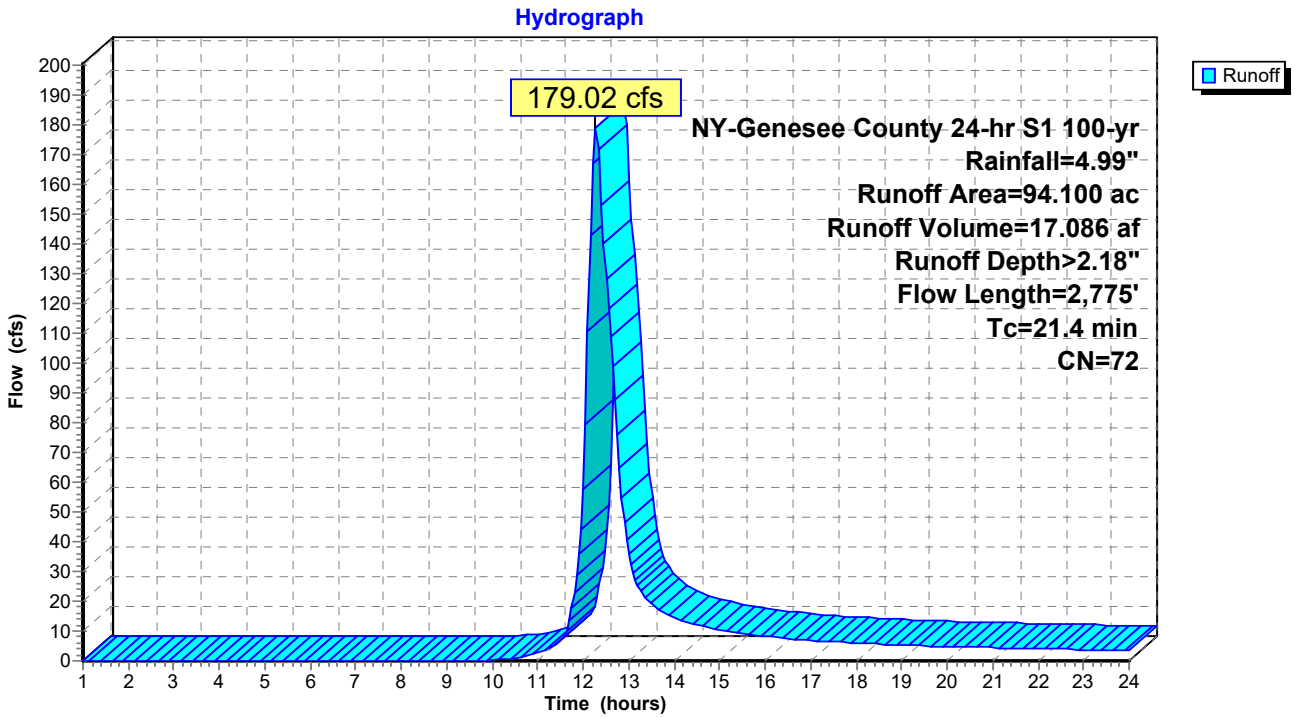
Runoff = 179.02 cfs @ 12.27 hrs, Volume= 17.086 af, Depth> 2.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	94.100	72	
	94.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.0	150	0.0900	0.19		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.7	625	0.1500	6.24		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.7	2,000		5.00		**Direct Entry,**
21.4	2,775	Total			

Subcatchment 9S: 9



Summary for Subcatchment 10S: 10

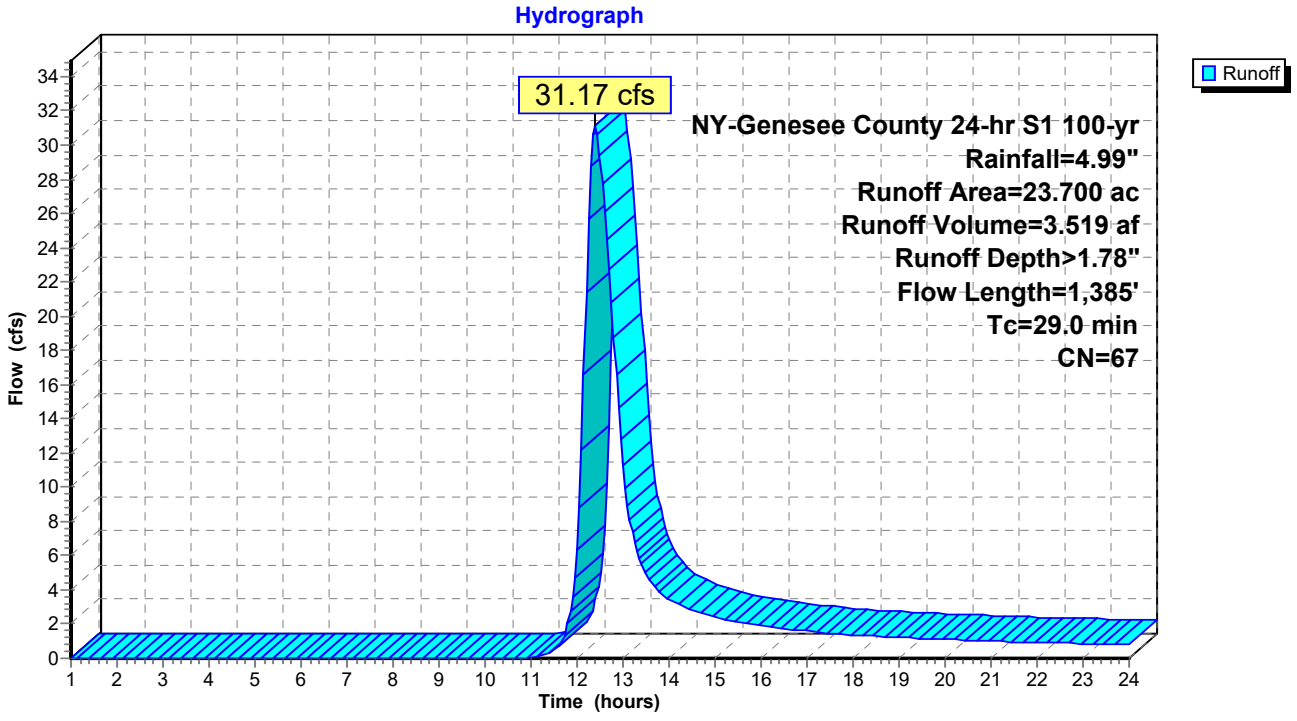
Runoff = 31.17 cfs @ 12.40 hrs, Volume= 3.519 af, Depth> 1.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	23.700	67	
	23.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
5.2	1,235	0.0600	3.94		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
29.0	1,385	Total			

Subcatchment 10S: 10



Summary for Subcatchment 11S: 11

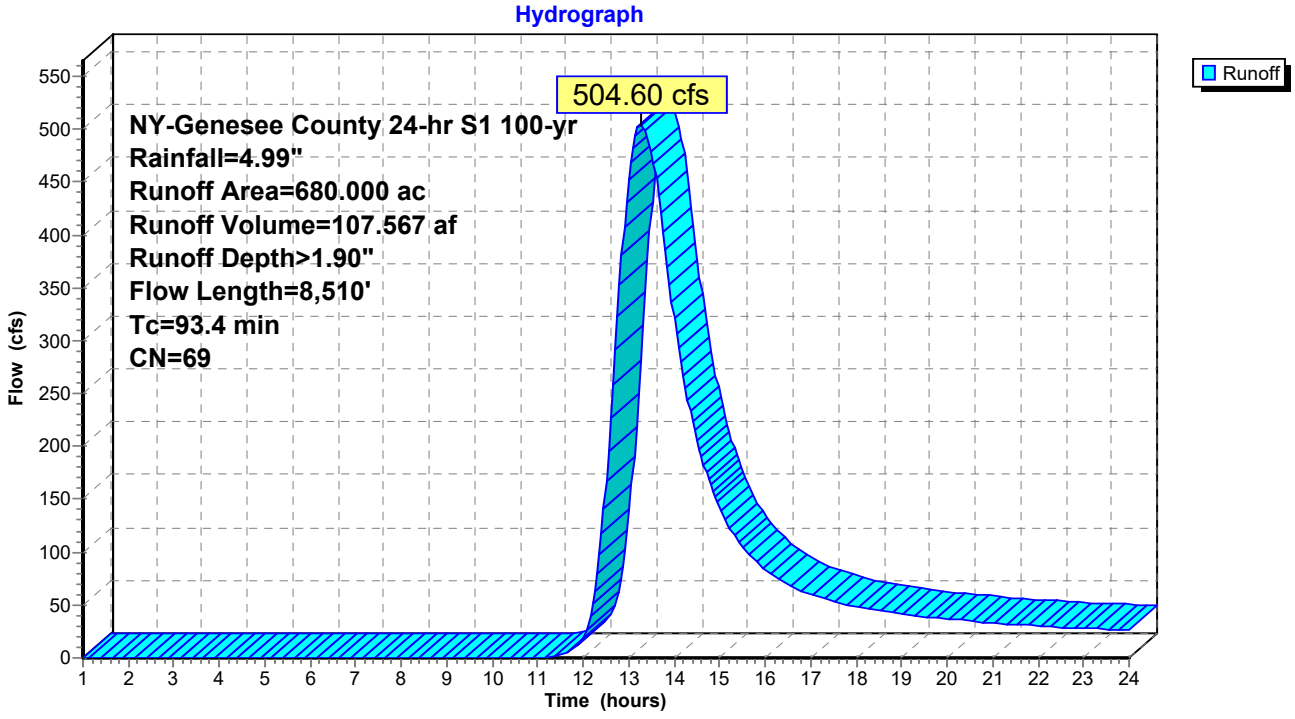
Runoff = 504.60 cfs @ 13.28 hrs, Volume= 107.567 af, Depth> 1.90"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	680.000	69	
	680.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.1	30	0.3300	0.23		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
64.2	6,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
7.2	2,160		5.00		**Direct Entry,**
93.4	8,510	Total			

Subcatchment 11S: 11



Summary for Subcatchment 12S: 12

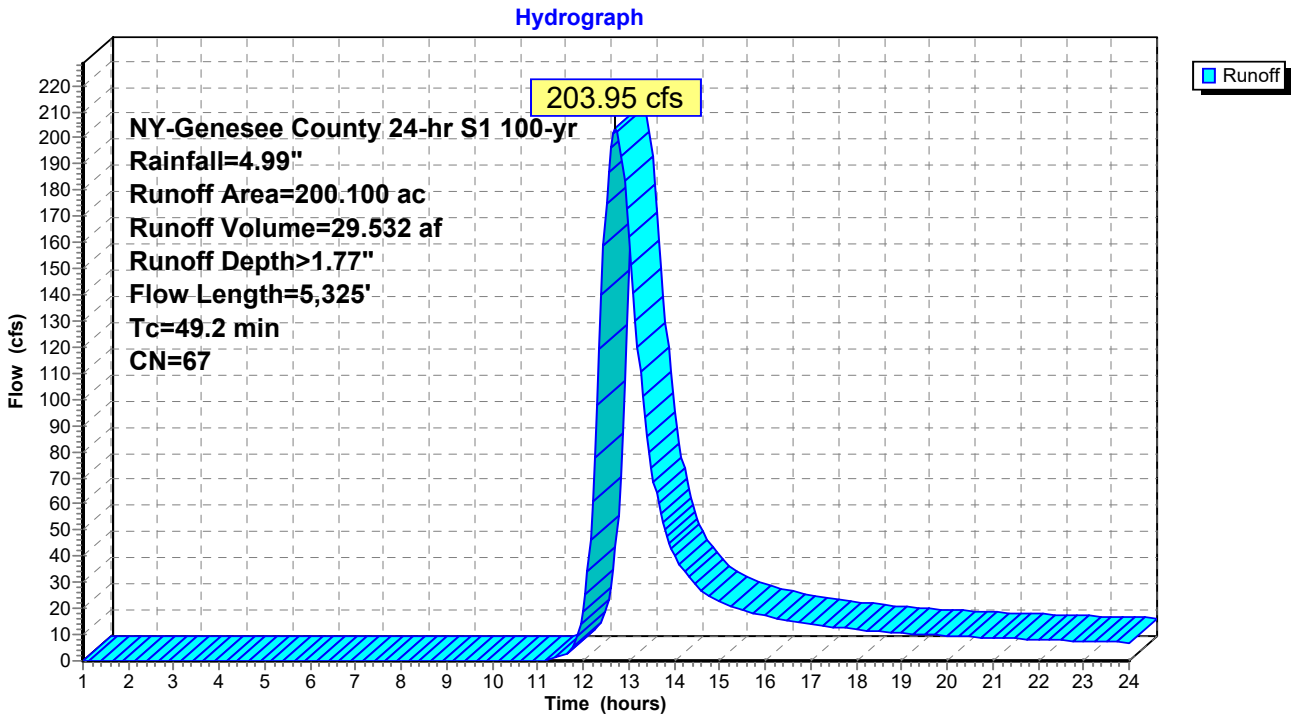
Runoff = 203.95 cfs @ 12.71 hrs, Volume= 29.532 af, Depth> 1.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	200.100	67	
	200.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.6	1,810	0.0800	4.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.2	3,365		5.00		**Direct Entry,**
49.2	5,325	Total			

Subcatchment 12S: 12



Summary for Subcatchment 13S: 13

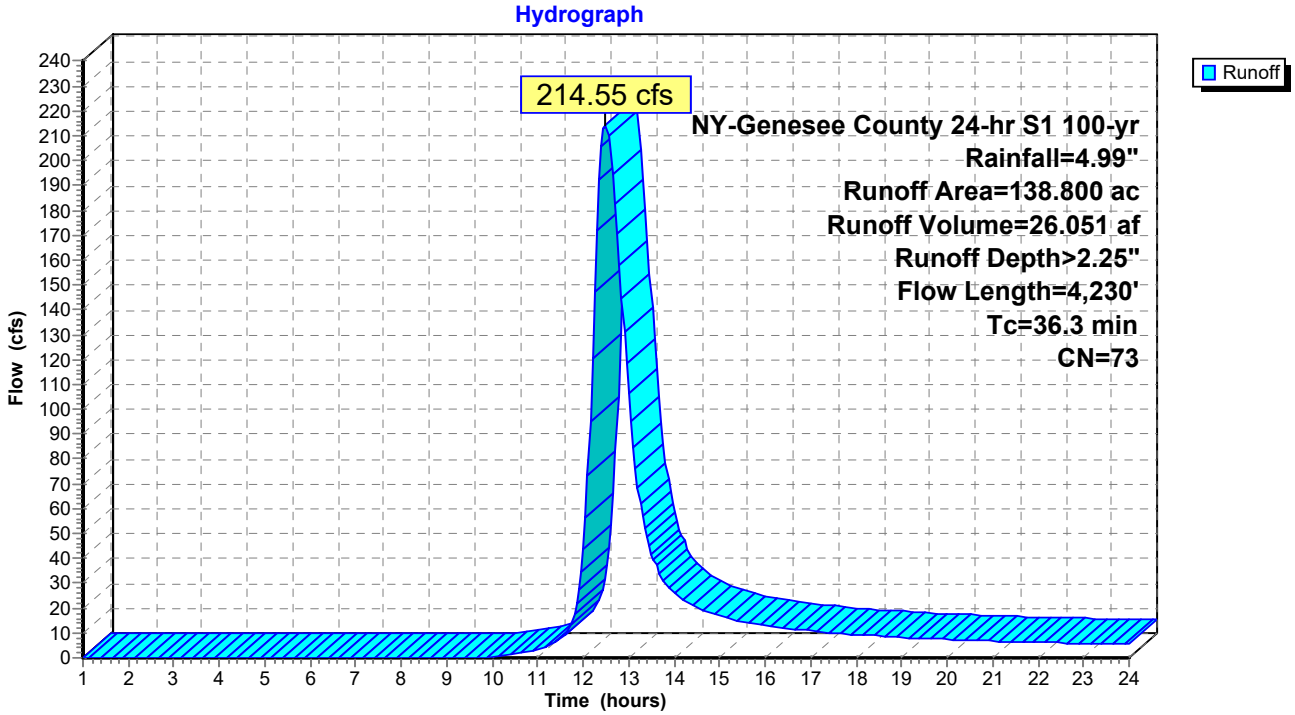
Runoff = 214.55 cfs @ 12.49 hrs, Volume= 26.051 af, Depth> 2.25"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	138.800	73	
	138.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.6	150	0.0100	0.12		**Sheet Flow,** Grass: Short n= 0.150 P2= 2.20"
2.8	510	0.0350	3.01		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
11.9	3,570		5.00		**Direct Entry,**
36.3	4,230	Total			

Subcatchment 13S: 13



Summary for Subcatchment 14S: 14

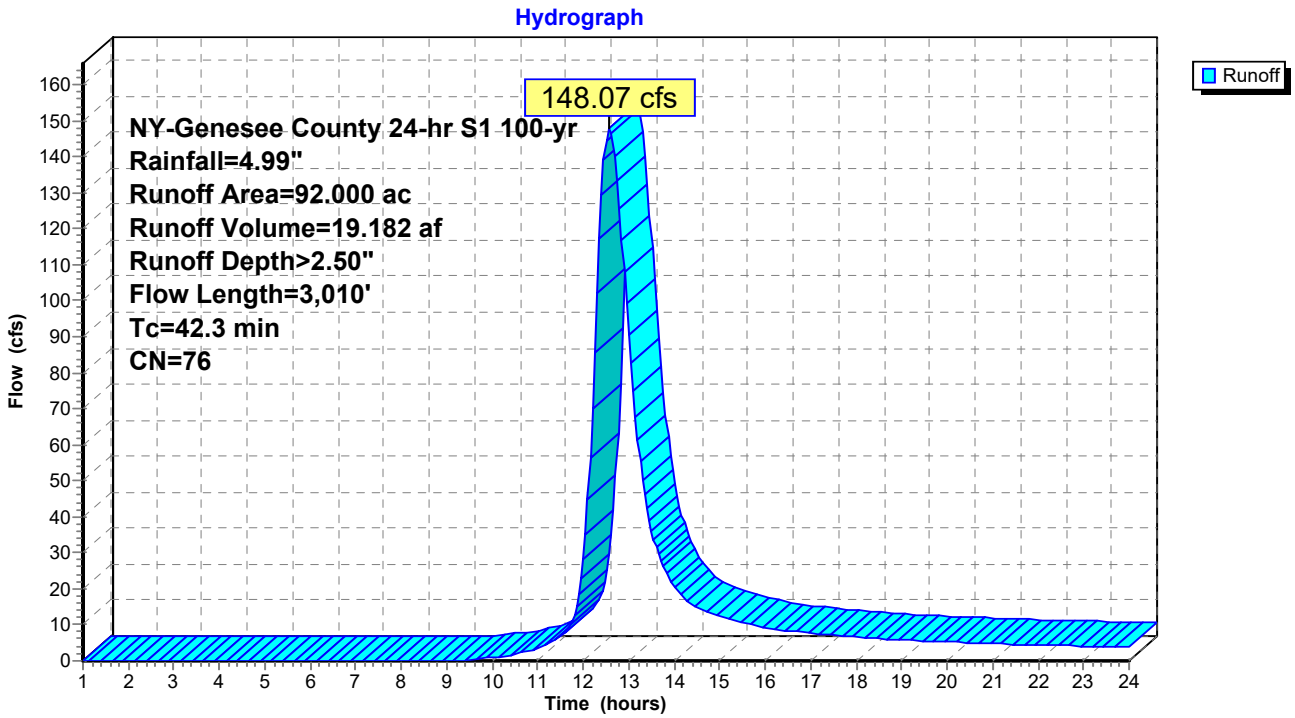
Runoff = 148.07 cfs @ 12.57 hrs, Volume= 19.182 af, Depth> 2.50"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	92.000	76	
	92.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
4.8	1,040	0.0500	3.60		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.1	1,820		5.00		**Direct Entry,**
42.3	3,010	Total			

Subcatchment 14S: 14



Summary for Subcatchment 15S: 15

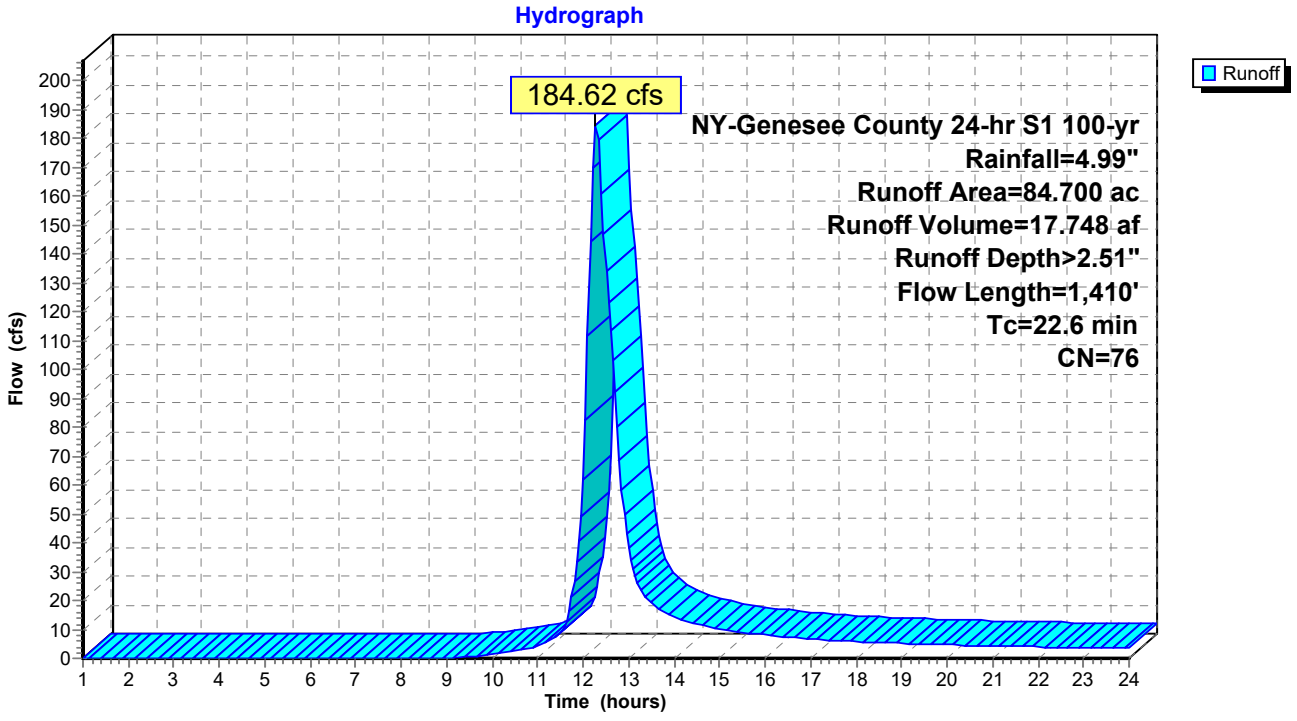
Runoff = 184.62 cfs @ 12.28 hrs, Volume= 17.748 af, Depth> 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	84.700	76	
	84.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.1	150	0.0530	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	1,260	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
22.6	1,410	Total			

Subcatchment 15S: 15



Summary for Subcatchment 31BS: 1.2

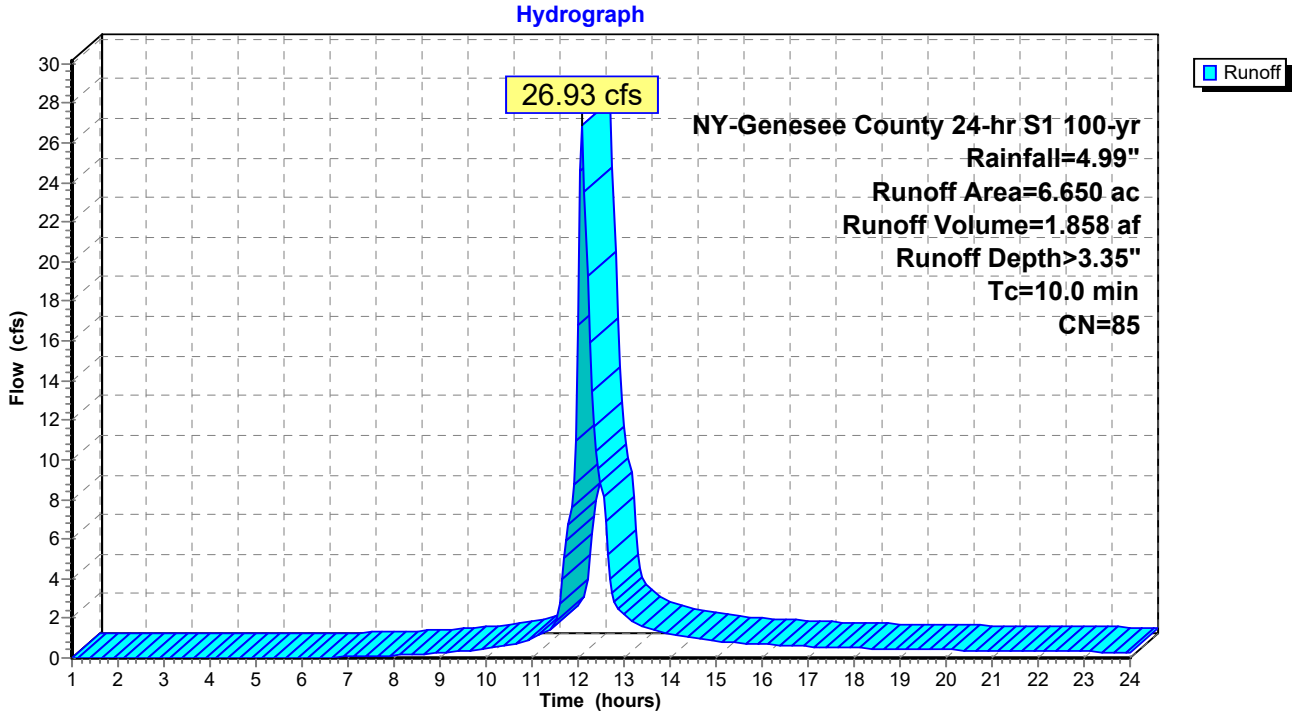
Runoff = 26.93 cfs @ 12.10 hrs, Volume= 1.858 af, Depth> 3.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	6.650	85	
	6.650		100.00% Pervious Area

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

Subcatchment 31BS: 1.2



Summary for Subcatchment 31S: 1.1

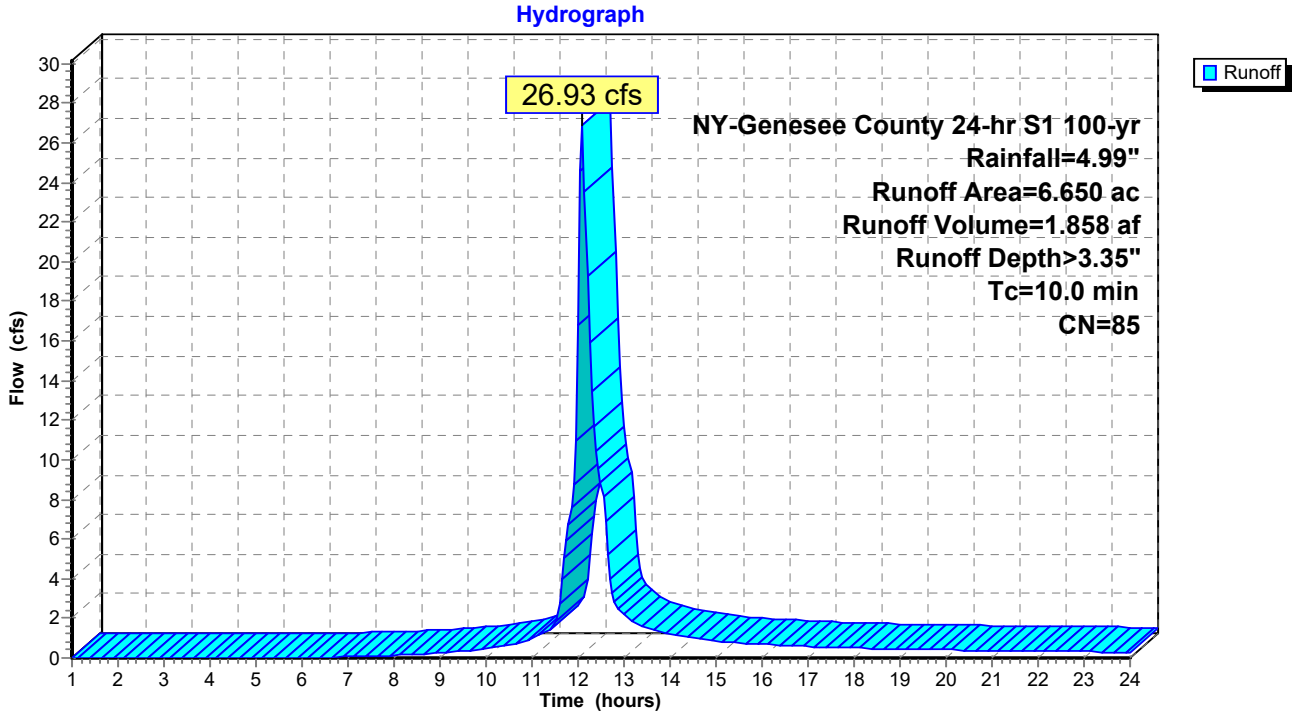
Runoff = 26.93 cfs @ 12.10 hrs, Volume= 1.858 af, Depth> 3.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	6.650	85	
	6.650		100.00% Pervious Area

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

Subcatchment 31S: 1.1



Summary for Subcatchment 32S: 2.1

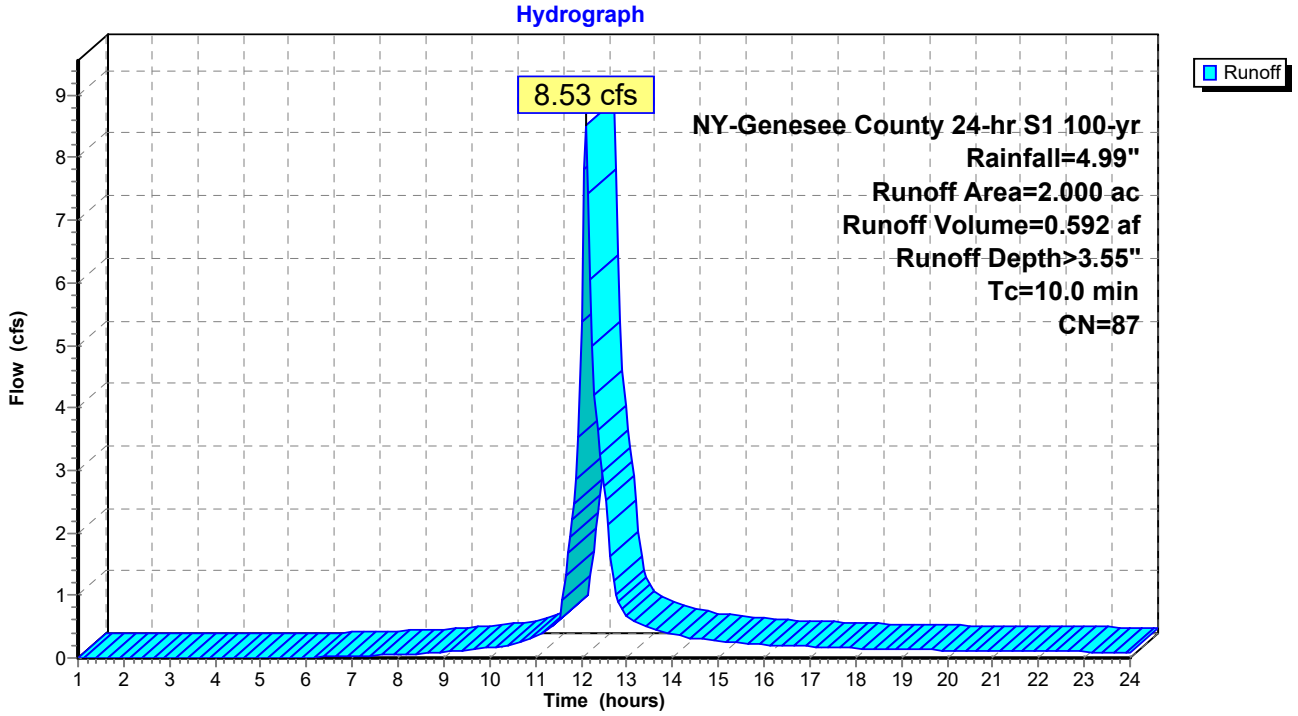
Runoff = 8.53 cfs @ 12.09 hrs, Volume= 0.592 af, Depth> 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	2.000	87	
	2.000		100.00% Pervious Area

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

Subcatchment 32S: 2.1



Summary for Subcatchment 33S: 4.1

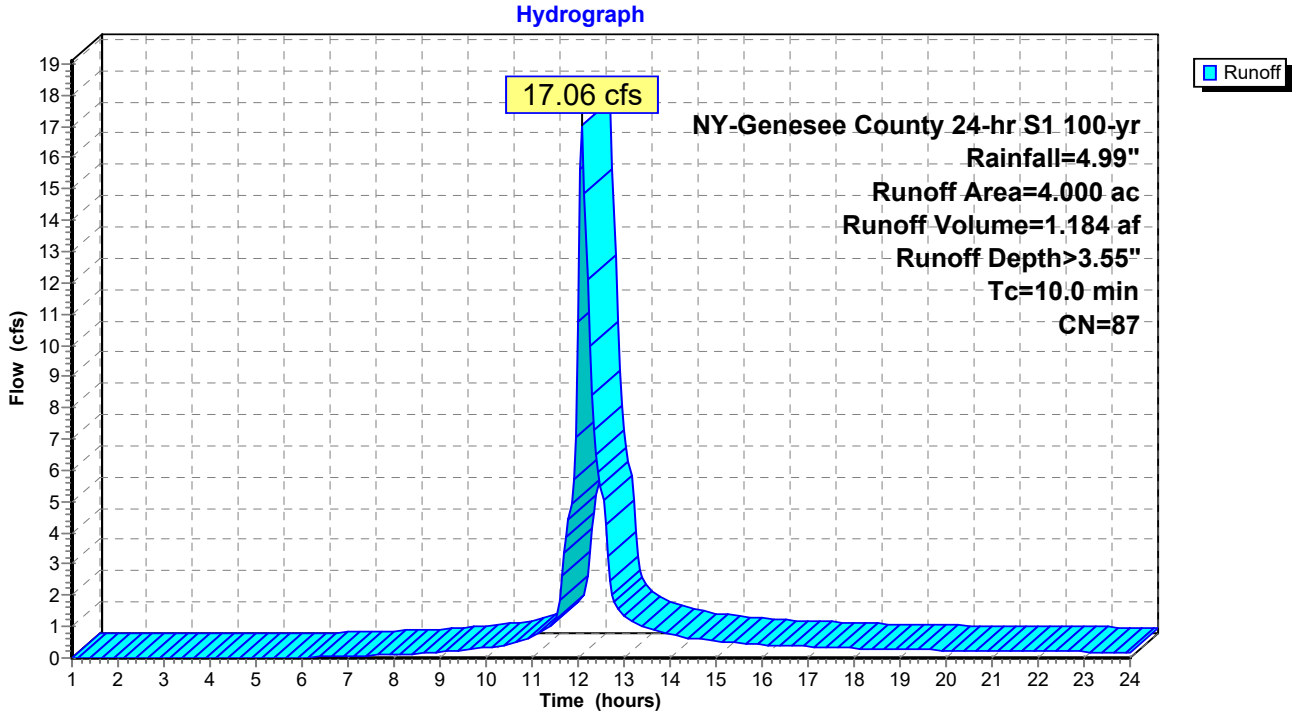
Runoff = 17.06 cfs @ 12.09 hrs, Volume= 1.184 af, Depth> 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	4.000	87	
	4.000		100.00% Pervious Area

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

Subcatchment 33S: 4.1



Summary for Subcatchment 34AS: 6.1

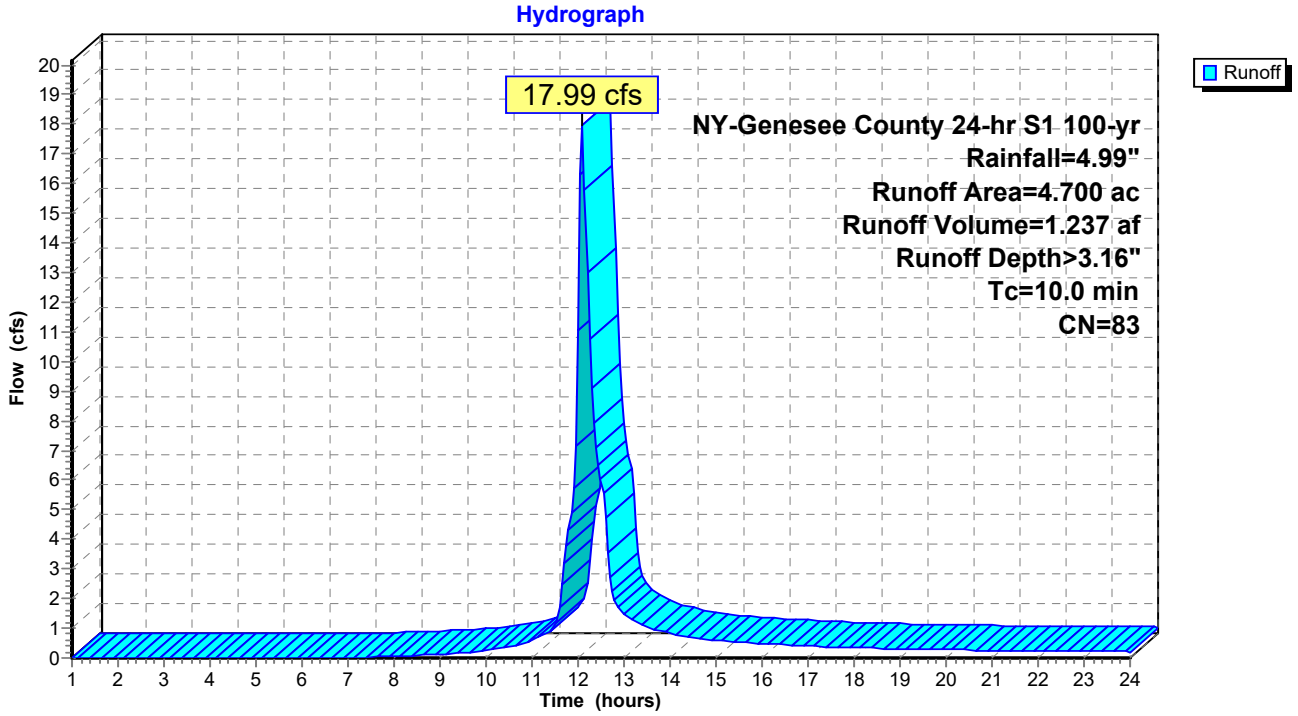
Runoff = 17.99 cfs @ 12.10 hrs, Volume= 1.237 af, Depth> 3.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	4.700	83	
	4.700		100.00% Pervious Area

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

Subcatchment 34AS: 6.1



Summary for Subcatchment 34BS: 6.2

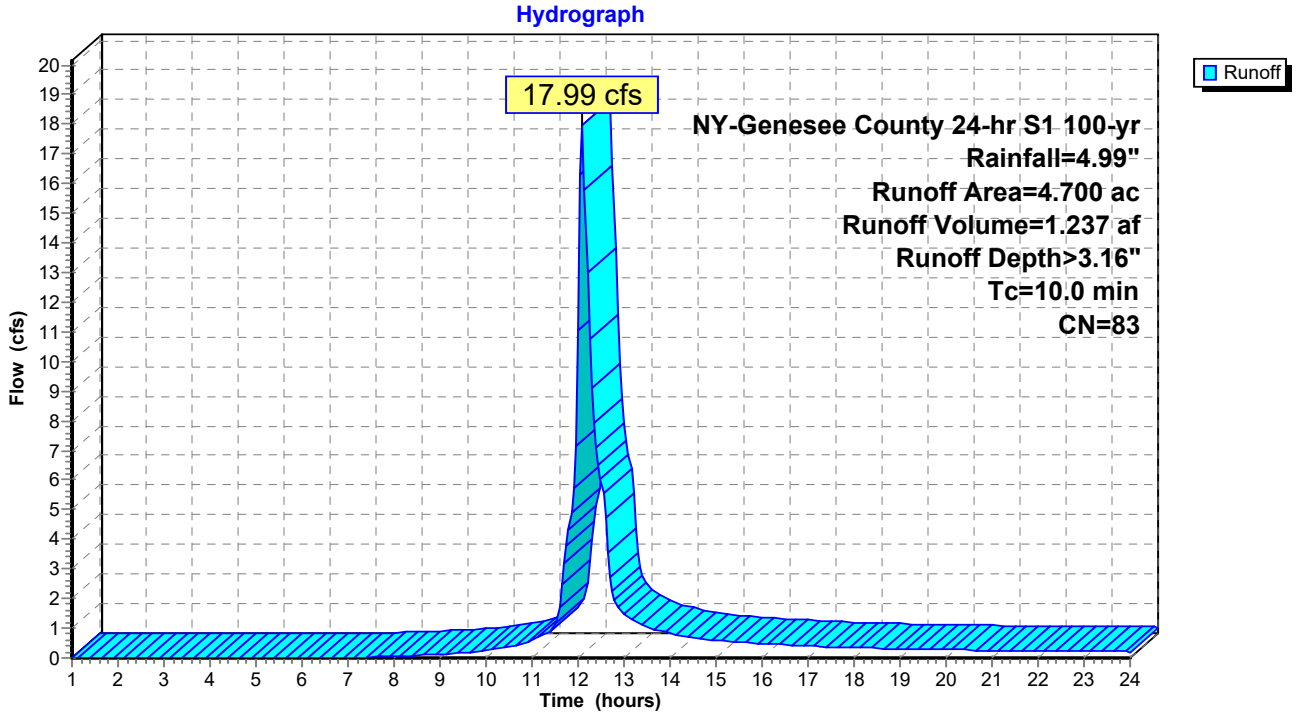
Runoff = 17.99 cfs @ 12.10 hrs, Volume= 1.237 af, Depth> 3.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	4.700	83	
	4.700		100.00% Pervious Area

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

Subcatchment 34BS: 6.2



Summary for Subcatchment 35S: 7.1

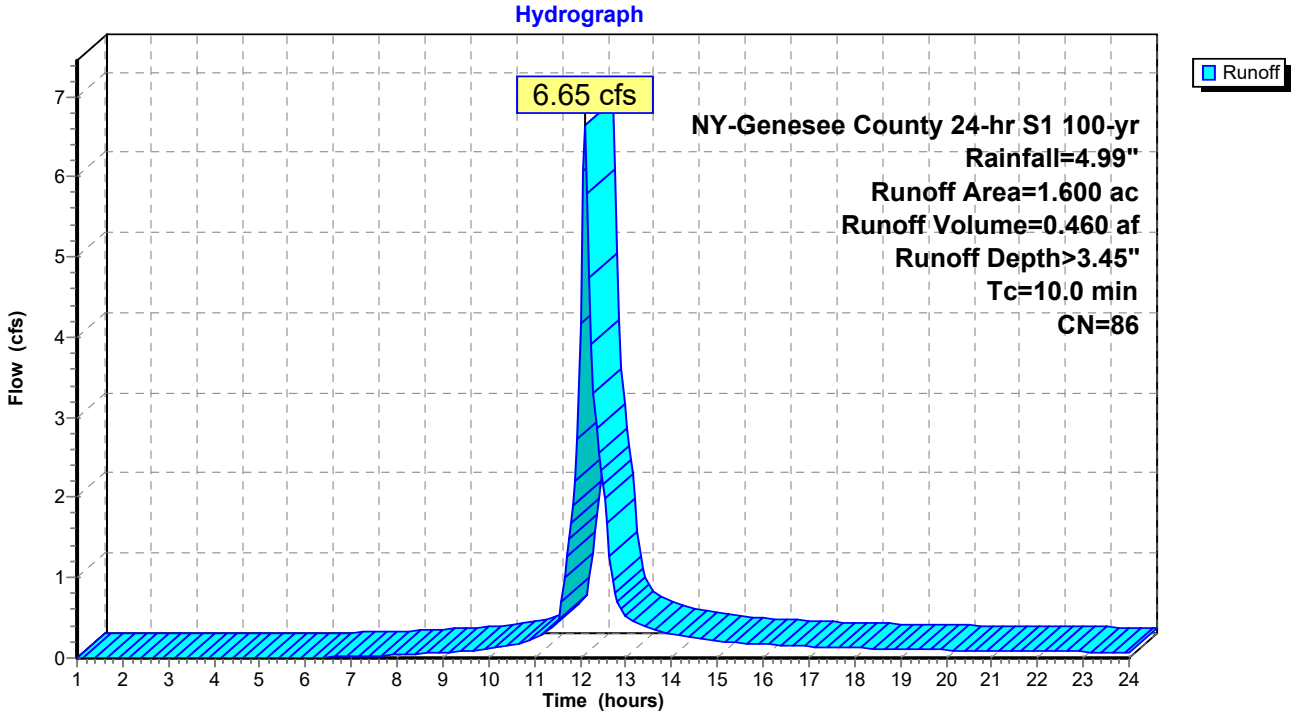
Runoff = 6.65 cfs @ 12.09 hrs, Volume= 0.460 af, Depth> 3.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	1.600	86	
	1.600		100.00% Pervious Area

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

Subcatchment 35S: 7.1



Summary for Subcatchment 36AS: 8.1

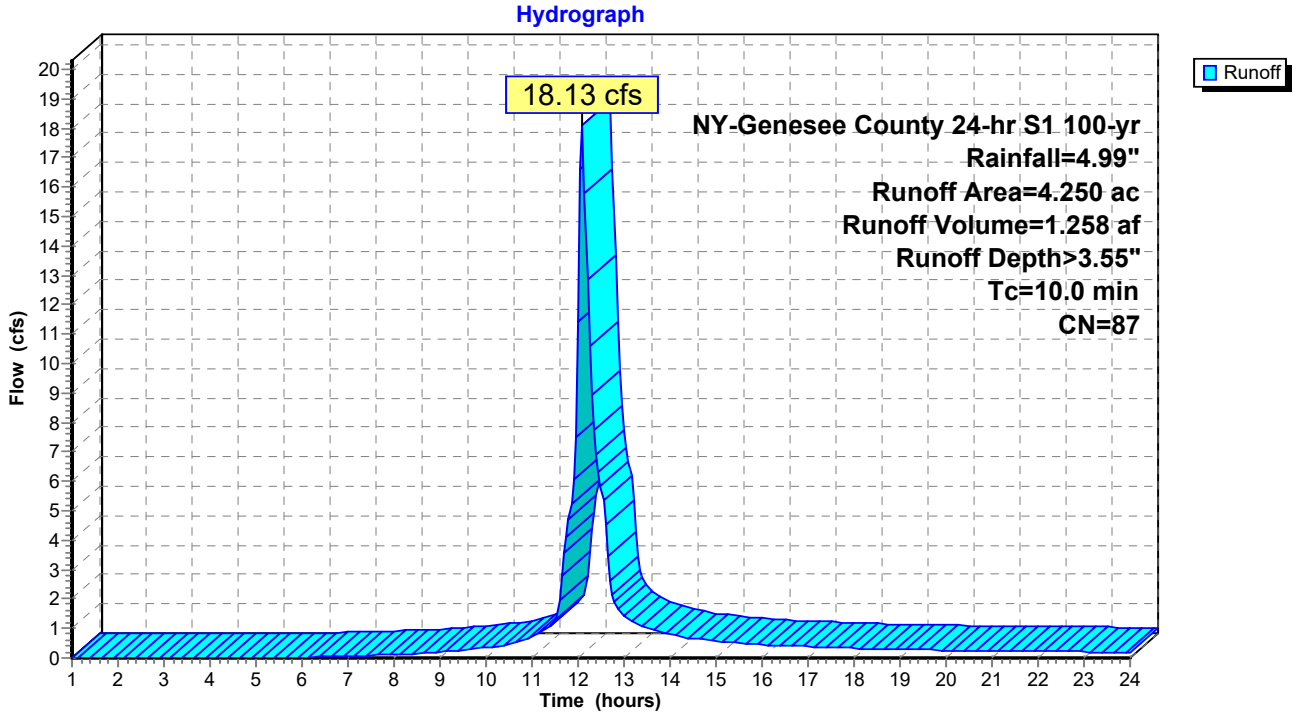
Runoff = 18.13 cfs @ 12.09 hrs, Volume= 1.258 af, Depth> 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	4.250	87	
	4.250		100.00% Pervious Area

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

Subcatchment 36AS: 8.1



Summary for Subcatchment 36BS: 8.2

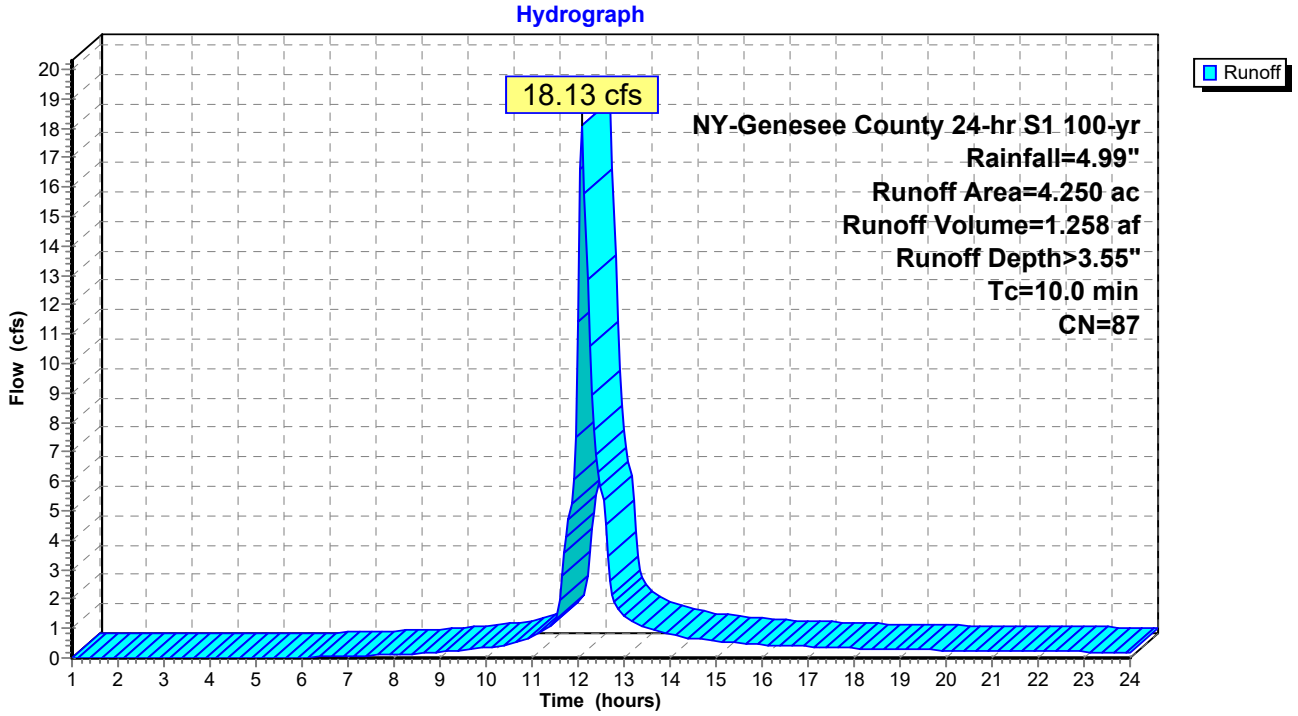
Runoff = 18.13 cfs @ 12.09 hrs, Volume= 1.258 af, Depth> 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	4.250	87	
	4.250		100.00% Pervious Area

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

Subcatchment 36BS: 8.2



Summary for Subcatchment 37S: 9.1

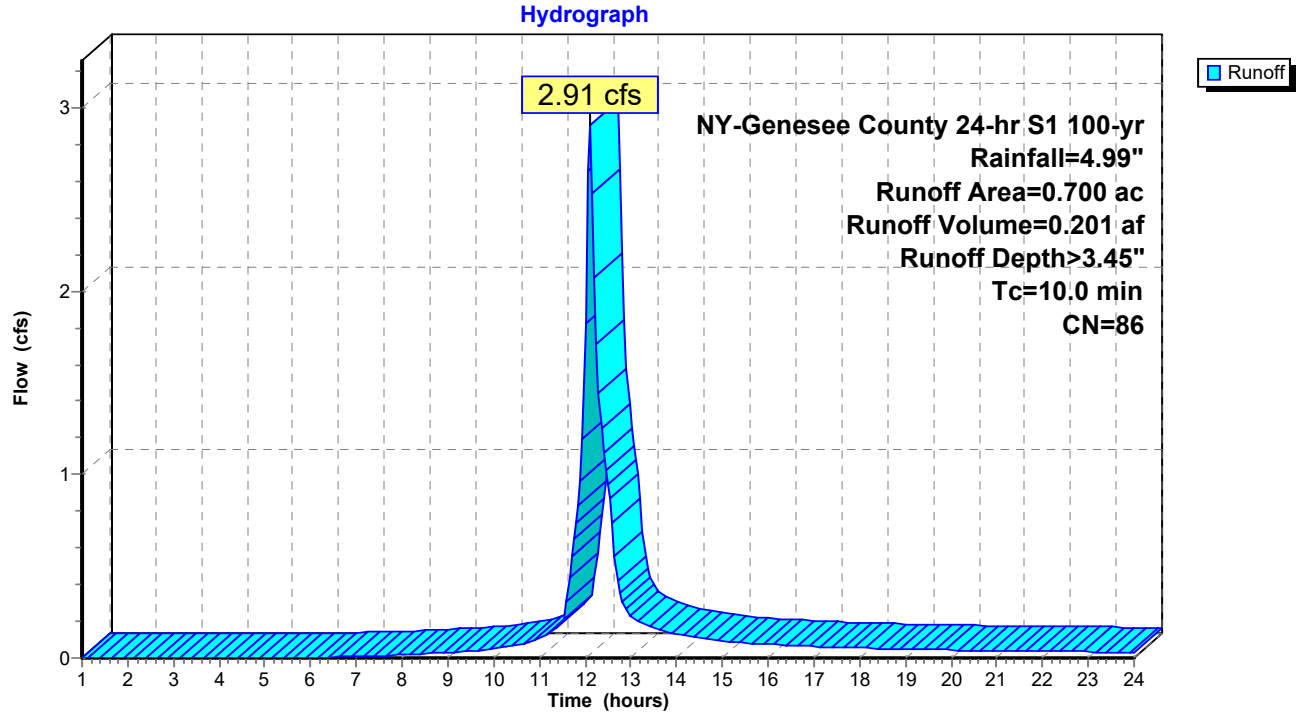
Runoff = 2.91 cfs @ 12.09 hrs, Volume= 0.201 af, Depth> 3.45"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	0.700	86	
	0.700		100.00% Pervious Area

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

Subcatchment 37S: 9.1



Summary for Subcatchment 38S: 10.1

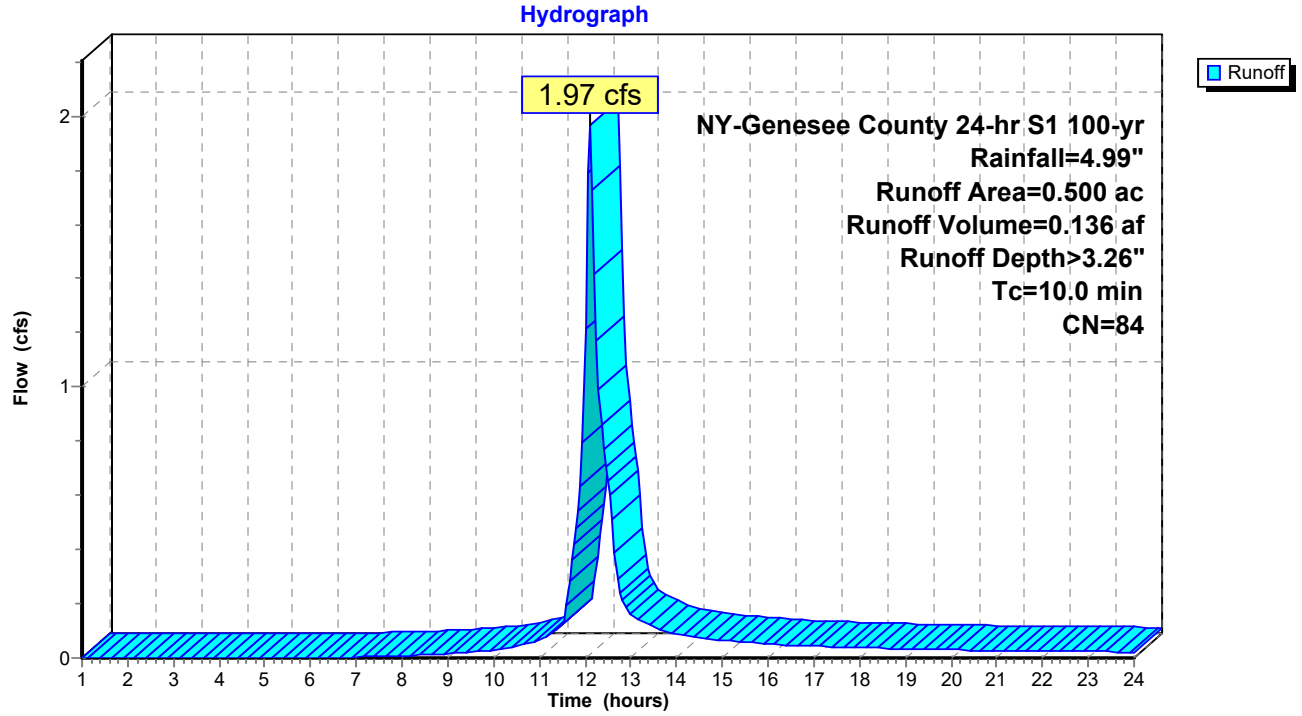
Runoff = 1.97 cfs @ 12.10 hrs, Volume= 0.136 af, Depth> 3.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	0.500	84	
	0.500		100.00% Pervious Area

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

Subcatchment 38S: 10.1



Summary for Subcatchment 39S: 11.1

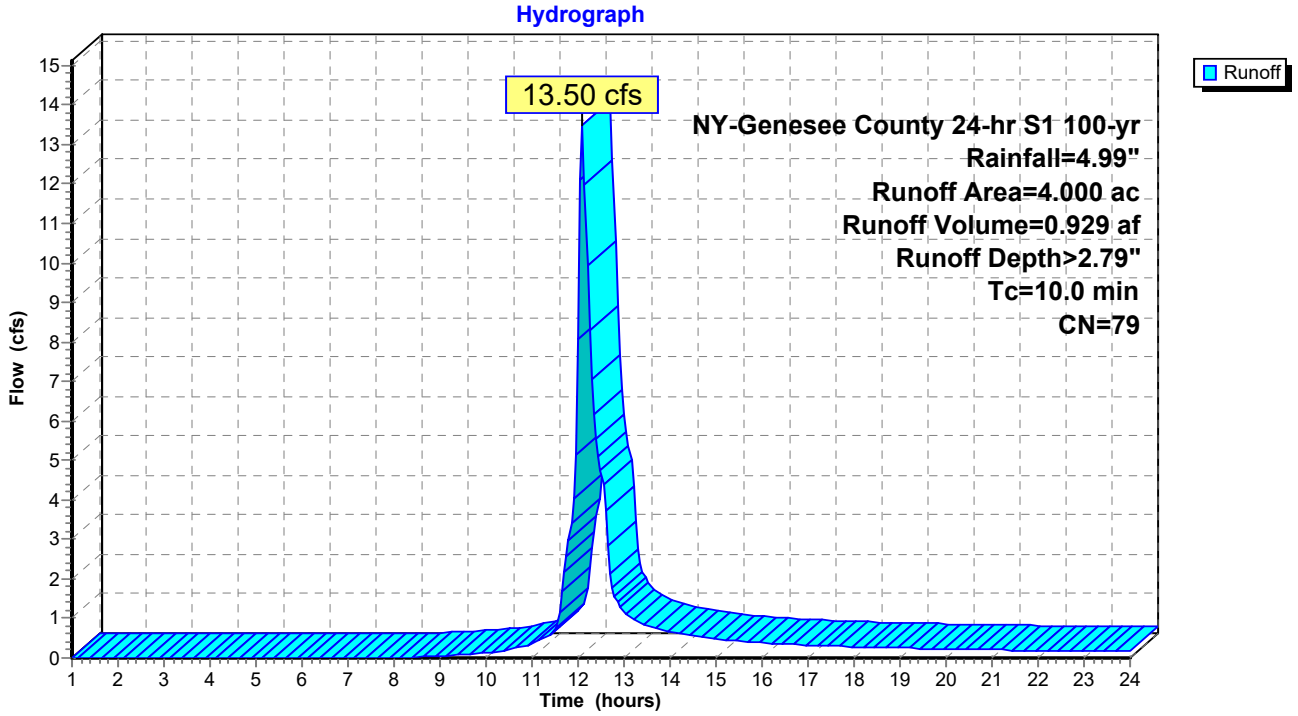
Runoff = 13.50 cfs @ 12.10 hrs, Volume= 0.929 af, Depth> 2.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	4.000	79	
	4.000		100.00% Pervious Area

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

Subcatchment 39S: 11.1



Summary for Subcatchment 40S: 12.1

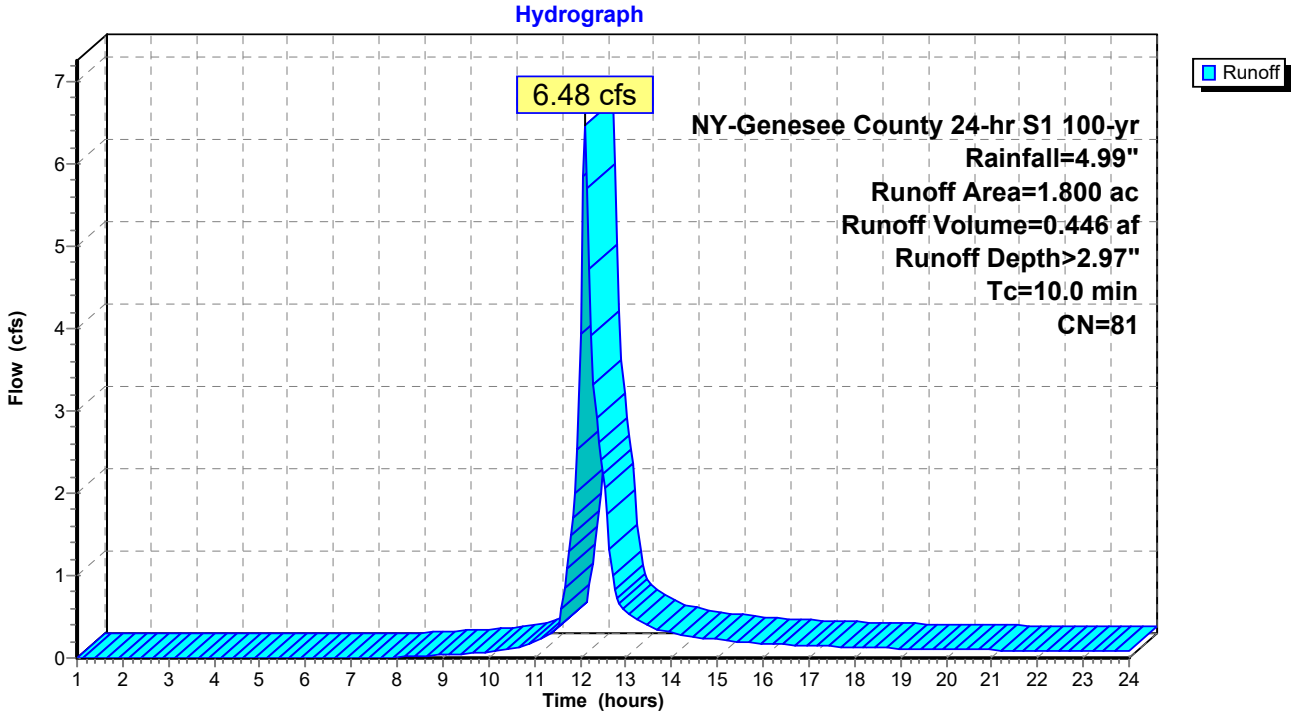
Runoff = 6.48 cfs @ 12.10 hrs, Volume= 0.446 af, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	1.800	81	
	1.800		100.00% Pervious Area

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

Subcatchment 40S: 12.1



Summary for Subcatchment 41S: 13.1

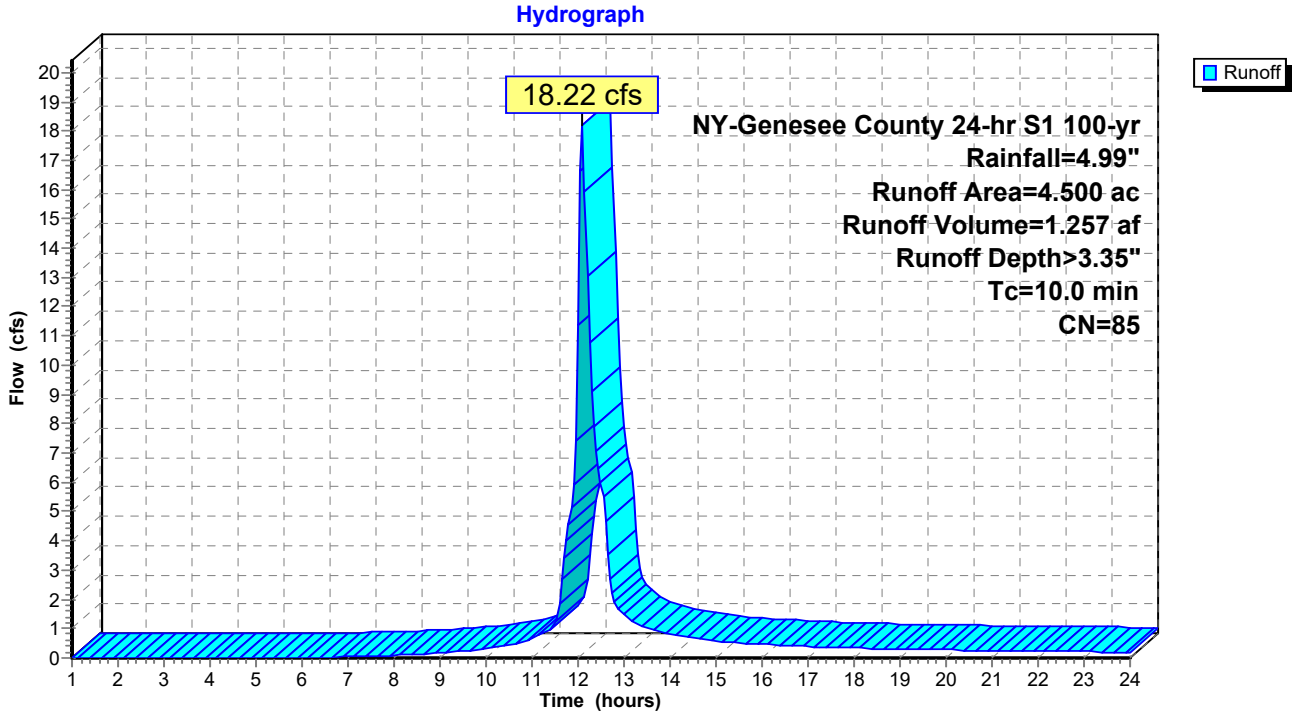
Runoff = 18.22 cfs @ 12.10 hrs, Volume= 1.257 af, Depth> 3.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	4.500	85	
	4.500		100.00% Pervious Area

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

Subcatchment 41S: 13.1



Summary for Subcatchment 42S: 14.1

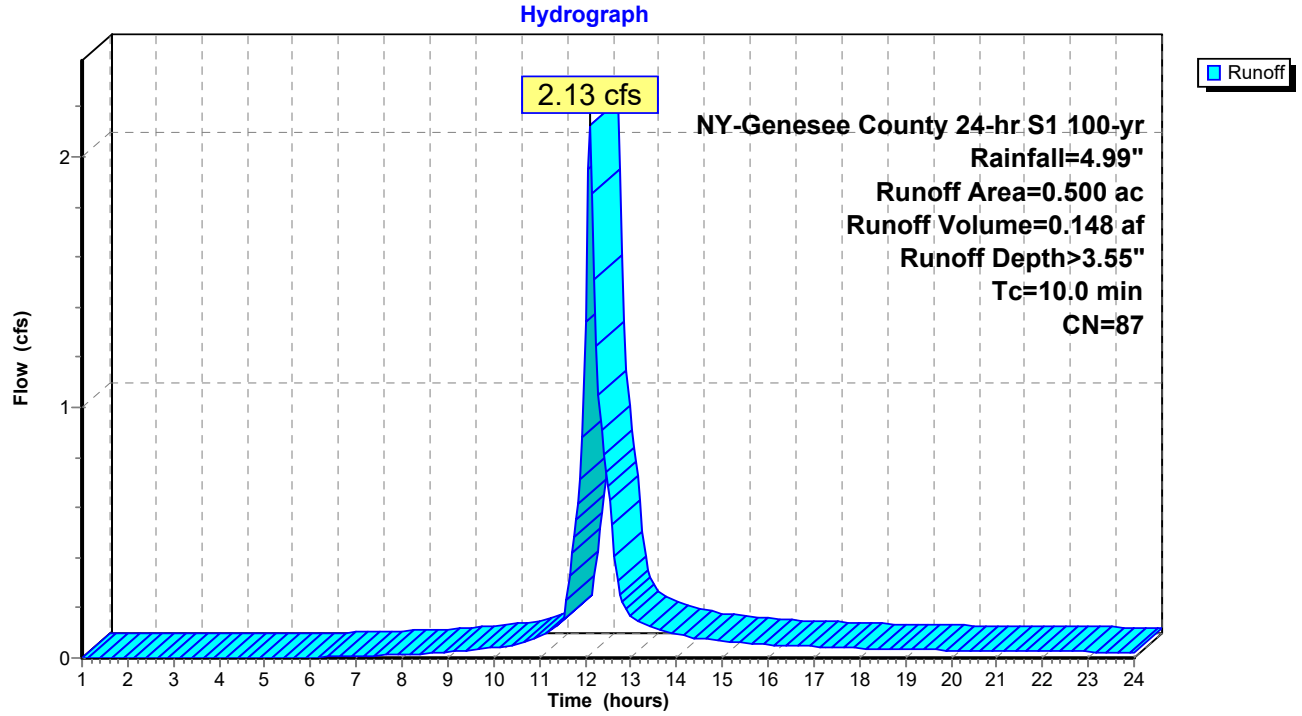
Runoff = 2.13 cfs @ 12.09 hrs, Volume= 0.148 af, Depth> 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	0.500	87	
	0.500		100.00% Pervious Area

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

Subcatchment 42S: 14.1



Summary for Subcatchment 43S: 15.1

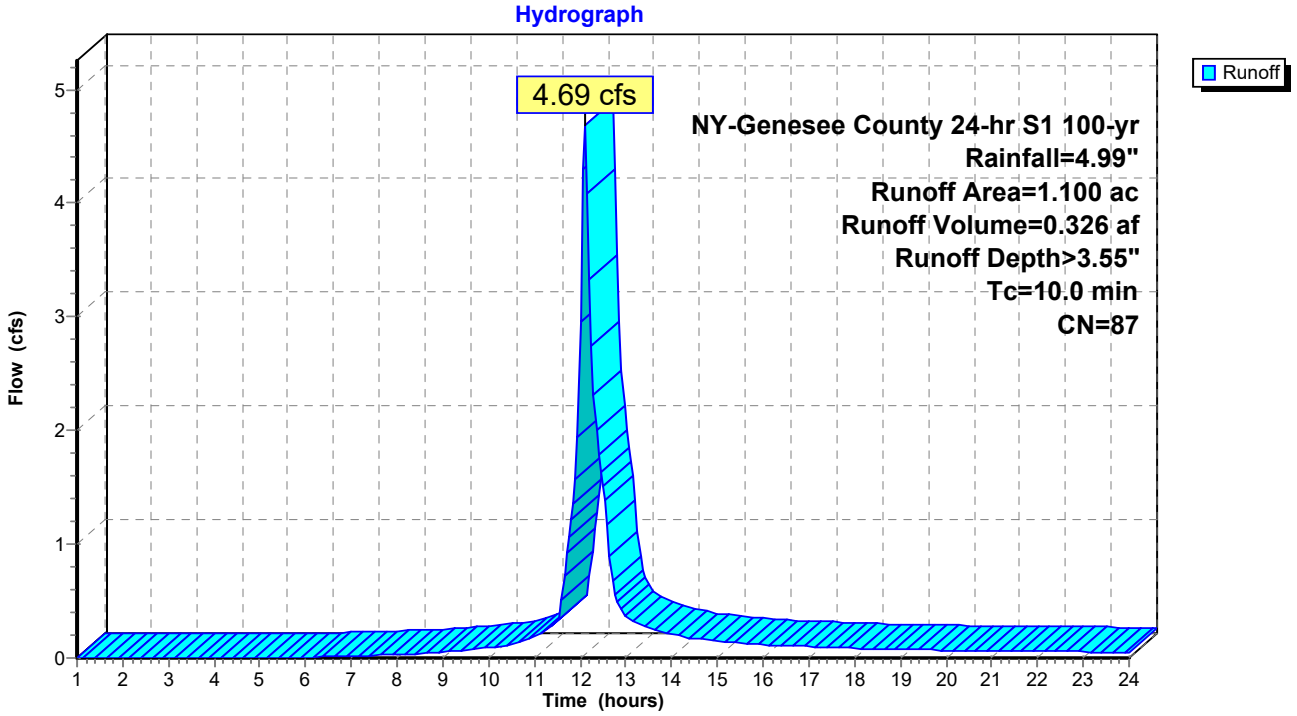
Runoff = 4.69 cfs @ 12.09 hrs, Volume= 0.326 af, Depth> 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	1.100	87	
	1.100		100.00% Pervious Area

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

Subcatchment 43S: 15.1



Summary for Pond 1AP: Dry Swale 1.1

Inflow Area = 6.650 ac, 0.00% Impervious, Inflow Depth > 3.35" for 100-yr event
Inflow = 26.93 cfs @ 12.10 hrs, Volume= 1.858 af
Outflow = 1.09 cfs @ 14.26 hrs, Volume= 1.136 af, Atten= 96%, Lag= 129.6 min
Discarded = 1.09 cfs @ 14.26 hrs, Volume= 1.136 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.80' @ 14.26 hrs Surf.Area= 1.947 ac Storage= 1.130 af

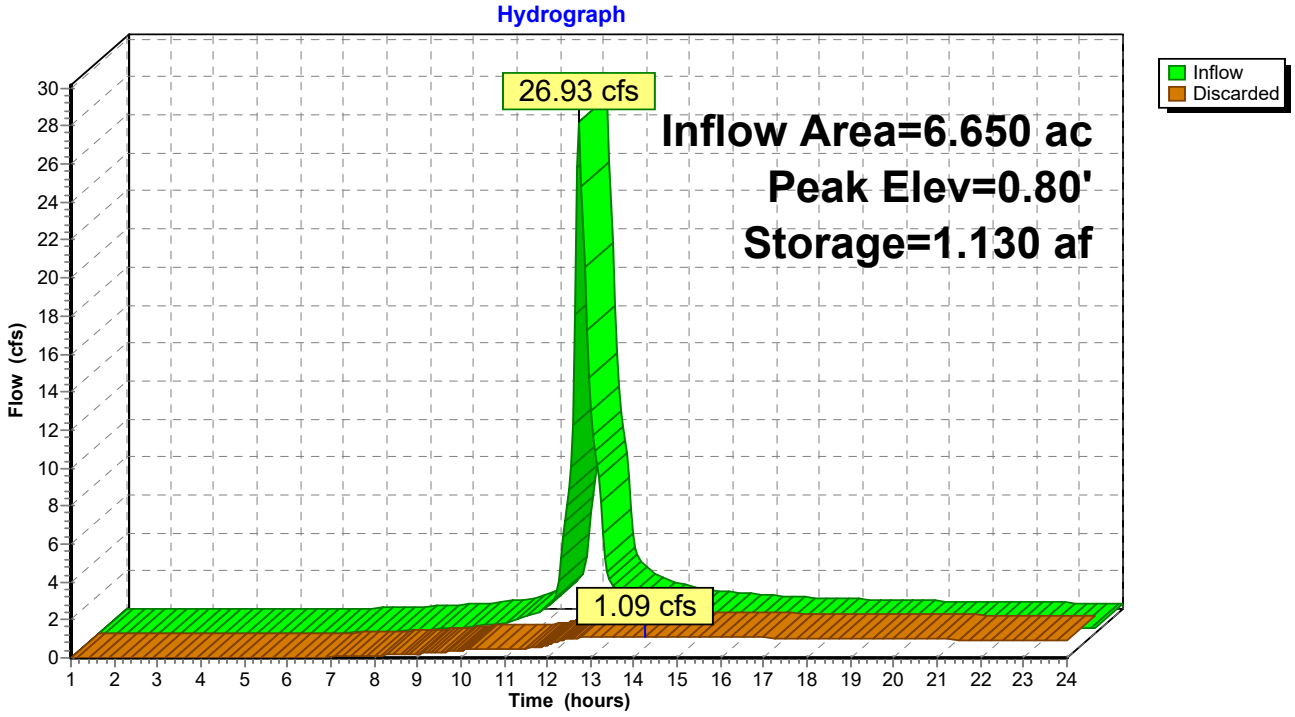
Plug-Flow detention time= 311.2 min calculated for 1.136 af (61% of inflow)
Center-of-Mass det. time= 214.9 min (1,021.9 - 806.9)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.551 af	**4.00'W x 9,650.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=1.09 cfs @ 14.26 hrs HW=0.80' (Free Discharge)
1=Exfiltration (Controls 1.09 cfs)

Pond 1AP: Dry Swale 1.1



Summary for Pond 1BP: Dry Swale 1.2

Inflow Area = 6.650 ac, 0.00% Impervious, Inflow Depth > 3.35" for 100-yr event
Inflow = 26.93 cfs @ 12.10 hrs, Volume= 1.858 af
Outflow = 1.09 cfs @ 14.26 hrs, Volume= 1.136 af, Atten= 96%, Lag= 129.6 min
Discarded = 1.09 cfs @ 14.26 hrs, Volume= 1.136 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.80' @ 14.26 hrs Surf.Area= 1.947 ac Storage= 1.130 af

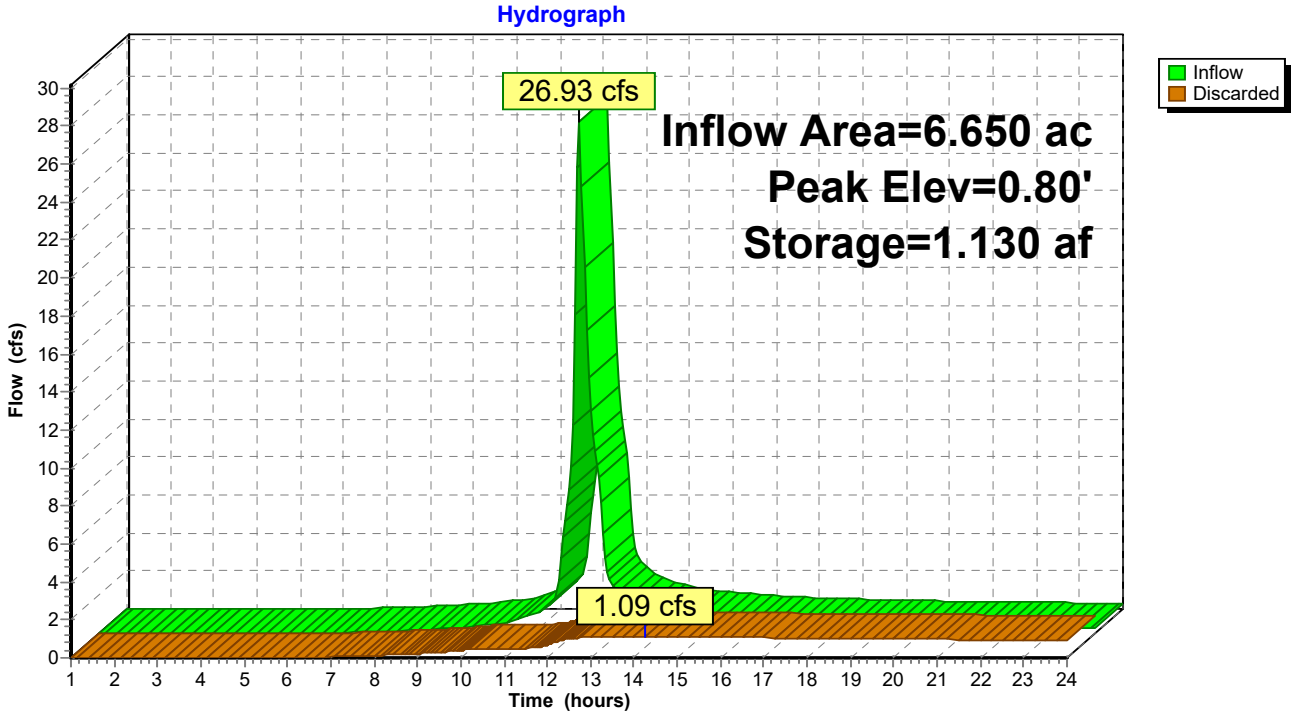
Plug-Flow detention time= 311.2 min calculated for 1.136 af (61% of inflow)
Center-of-Mass det. time= 214.9 min (1,021.9 - 806.9)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.551 af	**4.00'W x 9,650.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=1.09 cfs @ 14.26 hrs HW=0.80' (Free Discharge)
1=Exfiltration (Controls 1.09 cfs)

Pond 1BP: Dry Swale 1.2



Summary for Pond 2P: Dry Swale 2

Inflow Area = 2.000 ac, 0.00% Impervious, Inflow Depth > 3.55" for 100-yr event
Inflow = 8.53 cfs @ 12.09 hrs, Volume= 0.592 af
Outflow = 0.34 cfs @ 14.24 hrs, Volume= 0.357 af, Atten= 96%, Lag= 128.8 min
Discarded = 0.34 cfs @ 14.24 hrs, Volume= 0.357 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.84' @ 14.24 hrs Surf.Area= 0.601 ac Storage= 0.362 af

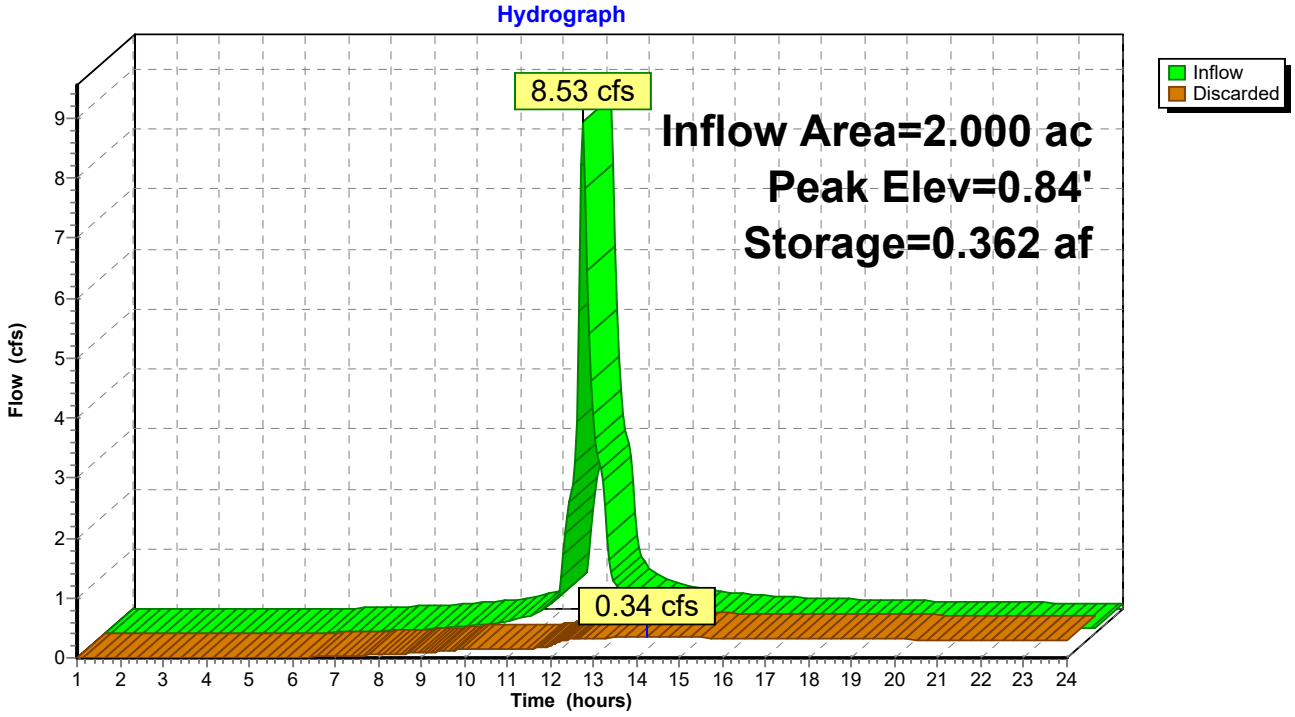
Plug-Flow detention time= 309.1 min calculated for 0.357 af (60% of inflow)
Center-of-Mass det. time= 213.3 min (1,014.4 - 801.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.467 af	**4.00'W x 2,900.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.34 cfs @ 14.24 hrs HW=0.84' (Free Discharge)
1=Exfiltration (Controls 0.34 cfs)

Pond 2P: Dry Swale 2



Summary for Pond 4P: Dry Swale 4

Inflow Area = 4.000 ac, 0.00% Impervious, Inflow Depth > 3.55" for 100-yr event
Inflow = 17.06 cfs @ 12.09 hrs, Volume= 1.184 af
Outflow = 0.68 cfs @ 14.24 hrs, Volume= 0.714 af, Atten= 96%, Lag= 128.9 min
Discarded = 0.68 cfs @ 14.24 hrs, Volume= 0.714 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.84' @ 14.24 hrs Surf.Area= 1.201 ac Storage= 0.724 af

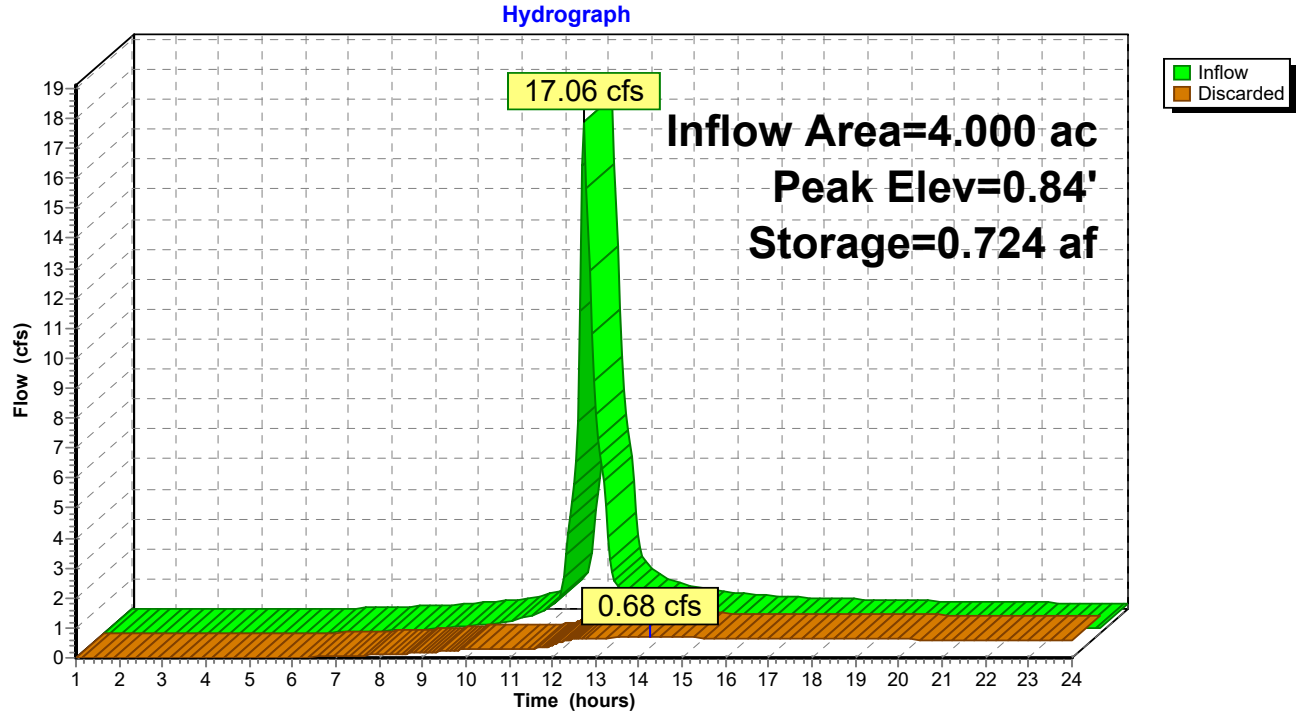
Plug-Flow detention time= 308.3 min calculated for 0.713 af (60% of inflow)
Center-of-Mass det. time= 213.3 min (1,014.4 - 801.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.933 af	**4.00'W x 5,800.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.68 cfs @ 14.24 hrs HW=0.84' (Free Discharge)
1=Exfiltration (Controls 0.68 cfs)

Pond 4P: Dry Swale 4



Summary for Pond 6AP: Dry Swale 6.1

Inflow Area = 4.700 ac, 0.00% Impervious, Inflow Depth > 3.16" for 100-yr event
Inflow = 17.99 cfs @ 12.10 hrs, Volume= 1.237 af
Outflow = 0.75 cfs @ 14.26 hrs, Volume= 0.768 af, Atten= 96%, Lag= 130.0 min
Discarded = 0.75 cfs @ 14.26 hrs, Volume= 0.768 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.76' @ 14.26 hrs Surf.Area= 1.340 ac Storage= 0.746 af

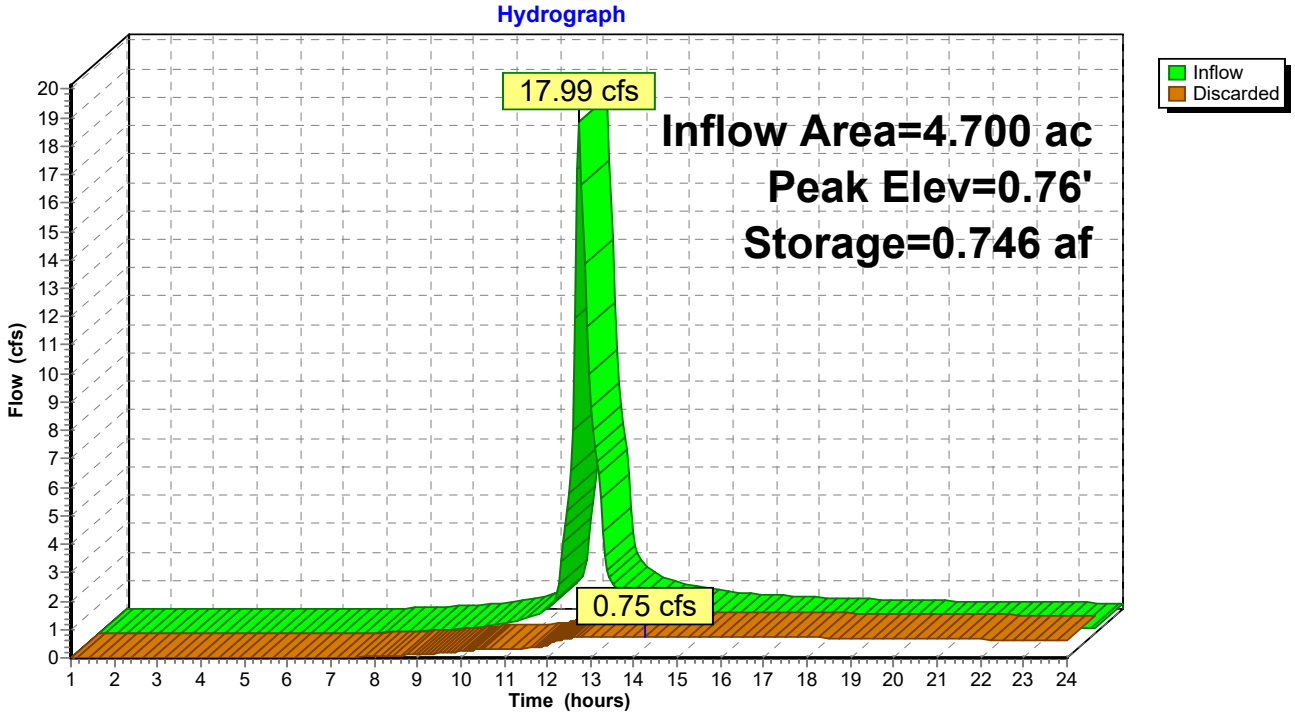
Plug-Flow detention time= 313.0 min calculated for 0.768 af (62% of inflow)
Center-of-Mass det. time= 216.1 min (1,028.5 - 812.4)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.097 af	**4.00'W x 6,820.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.75 cfs @ 14.26 hrs HW=0.76' (Free Discharge)
1=Exfiltration (Controls 0.75 cfs)

Pond 6AP: Dry Swale 6.1



Summary for Pond 6BP: Dry Swale 6.2

Inflow Area = 4.700 ac, 0.00% Impervious, Inflow Depth > 3.16" for 100-yr event
Inflow = 17.99 cfs @ 12.10 hrs, Volume= 1.237 af
Outflow = 0.75 cfs @ 14.26 hrs, Volume= 0.768 af, Atten= 96%, Lag= 130.0 min
Discarded = 0.75 cfs @ 14.26 hrs, Volume= 0.768 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.76' @ 14.26 hrs Surf.Area= 1.340 ac Storage= 0.746 af

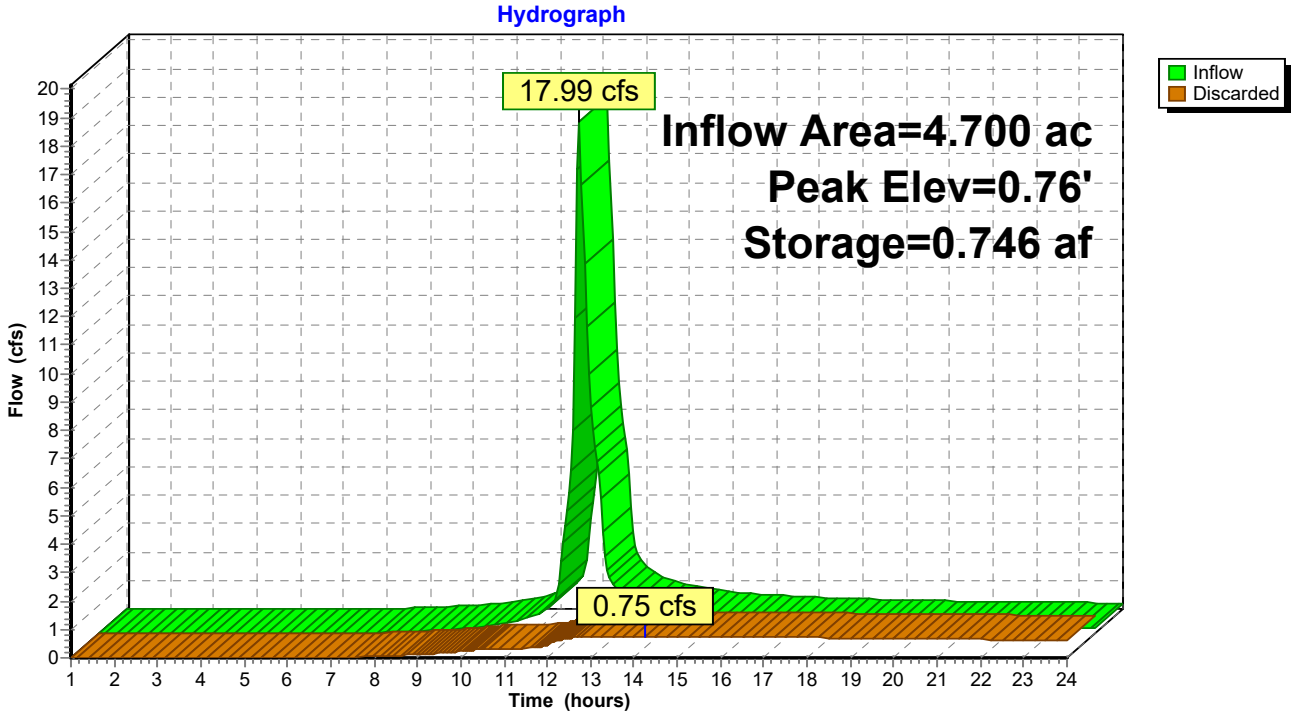
Plug-Flow detention time= 313.0 min calculated for 0.768 af (62% of inflow)
Center-of-Mass det. time= 216.1 min (1,028.5 - 812.4)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.097 af	**4.00'W x 6,820.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.75 cfs @ 14.26 hrs HW=0.76' (Free Discharge)
1=Exfiltration (Controls 0.75 cfs)

Pond 6BP: Dry Swale 6.2



Summary for Pond 7P: Dry Swale 7

Inflow Area = 1.600 ac, 0.00% Impervious, Inflow Depth > 3.45" for 100-yr event
Inflow = 6.65 cfs @ 12.09 hrs, Volume= 0.460 af
Outflow = 0.27 cfs @ 14.25 hrs, Volume= 0.279 af, Atten= 96%, Lag= 129.1 min
Discarded = 0.27 cfs @ 14.25 hrs, Volume= 0.279 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.82' @ 14.25 hrs Surf.Area= 0.475 ac Storage= 0.281 af

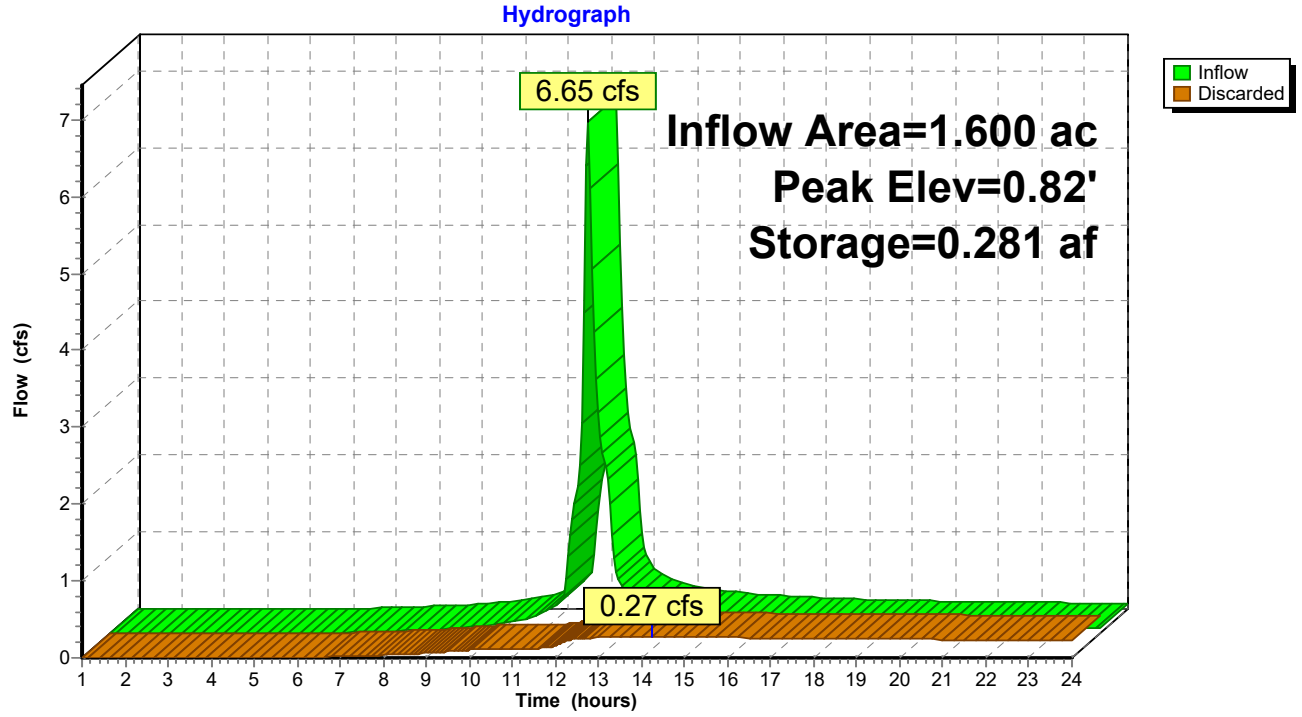
Plug-Flow detention time= 310.2 min calculated for 0.279 af (61% of inflow)
Center-of-Mass det. time= 214.2 min (1,018.3 - 804.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.373 af	**4.00'W x 2,320.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.27 cfs @ 14.25 hrs HW=0.82' (Free Discharge)
1=Exfiltration (Controls 0.27 cfs)

Pond 7P: Dry Swale 7



Summary for Pond 8AP: Dry Swale 8.1

Inflow Area = 4.250 ac, 0.00% Impervious, Inflow Depth > 3.55" for 100-yr event
Inflow = 18.13 cfs @ 12.09 hrs, Volume= 1.258 af
Outflow = 0.72 cfs @ 14.24 hrs, Volume= 0.759 af, Atten= 96%, Lag= 128.8 min
Discarded = 0.72 cfs @ 14.24 hrs, Volume= 0.759 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.83' @ 14.24 hrs Surf.Area= 1.277 ac Storage= 0.770 af

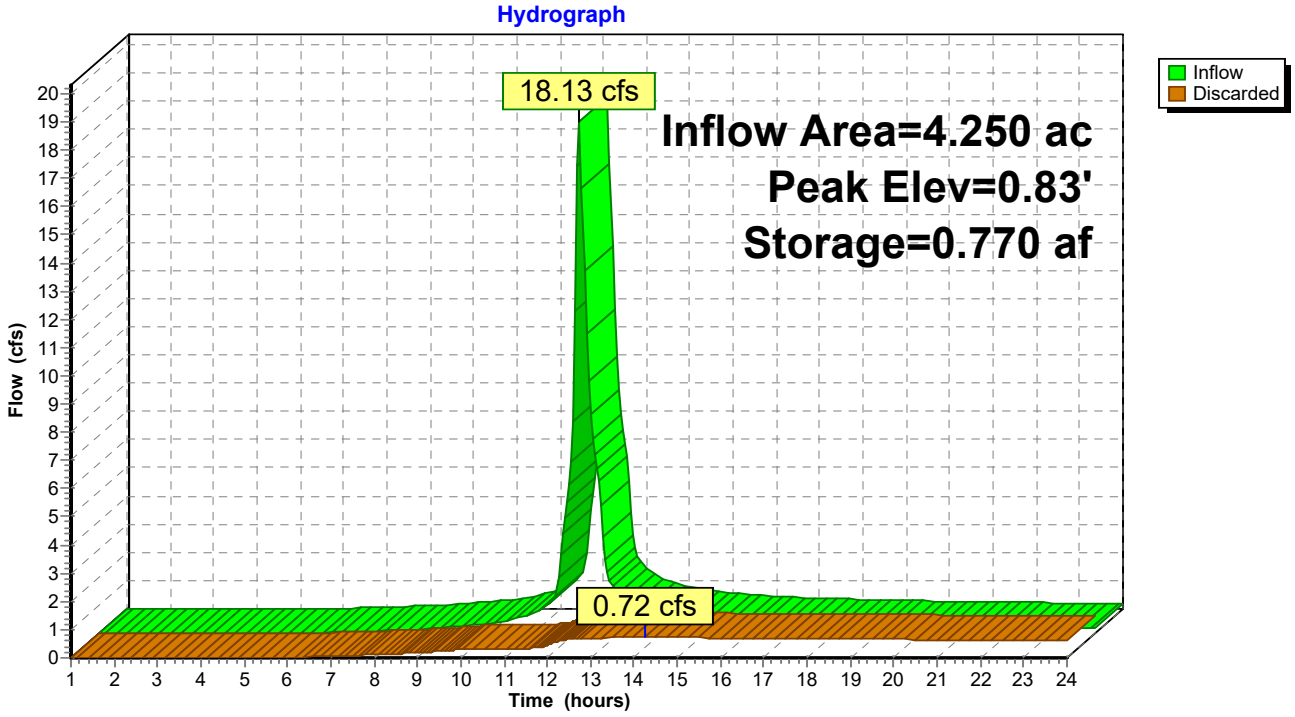
Plug-Flow detention time= 309.1 min calculated for 0.759 af (60% of inflow)
Center-of-Mass det. time= 213.3 min (1,014.4 - 801.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.992 af	**4.00'W x 6,170.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.72 cfs @ 14.24 hrs HW=0.83' (Free Discharge)
1=Exfiltration (Controls 0.72 cfs)

Pond 8AP: Dry Swale 8.1



Summary for Pond 8BP: Dry Swale 8.2

Inflow Area = 4.250 ac, 0.00% Impervious, Inflow Depth > 3.55" for 100-yr event
Inflow = 18.13 cfs @ 12.09 hrs, Volume= 1.258 af
Outflow = 0.72 cfs @ 14.24 hrs, Volume= 0.759 af, Atten= 96%, Lag= 128.8 min
Discarded = 0.72 cfs @ 14.24 hrs, Volume= 0.759 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.83' @ 14.24 hrs Surf.Area= 1.277 ac Storage= 0.770 af

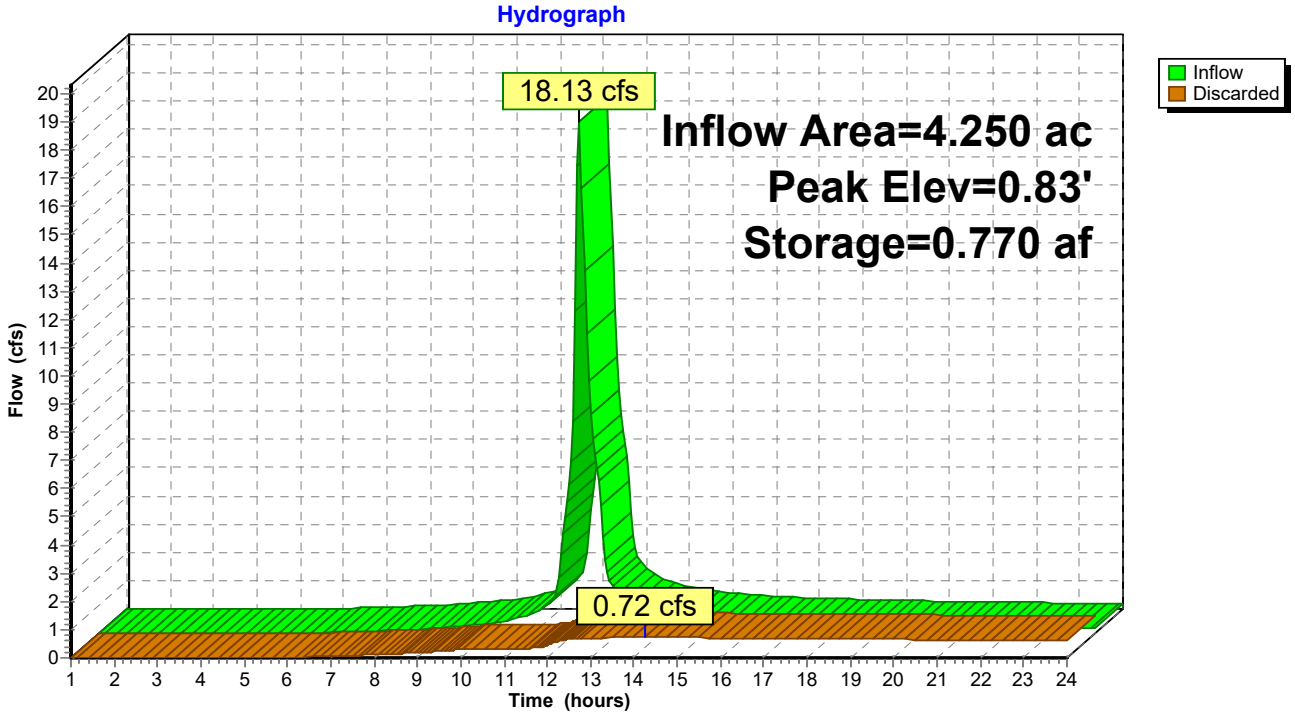
Plug-Flow detention time= 309.1 min calculated for 0.759 af (60% of inflow)
Center-of-Mass det. time= 213.3 min (1,014.4 - 801.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.992 af	**4.00'W x 6,170.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.72 cfs @ 14.24 hrs HW=0.83' (Free Discharge)
1=Exfiltration (Controls 0.72 cfs)

Pond 8BP: Dry Swale 8.2



Summary for Pond 9P: Dry Swale 9

Inflow Area = 0.700 ac, 0.00% Impervious, Inflow Depth > 3.45" for 100-yr event
Inflow = 2.91 cfs @ 12.09 hrs, Volume= 0.201 af
Outflow = 0.12 cfs @ 14.25 hrs, Volume= 0.122 af, Atten= 96%, Lag= 129.2 min
Discarded = 0.12 cfs @ 14.25 hrs, Volume= 0.122 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.82' @ 14.25 hrs Surf.Area= 0.208 ac Storage= 0.123 af

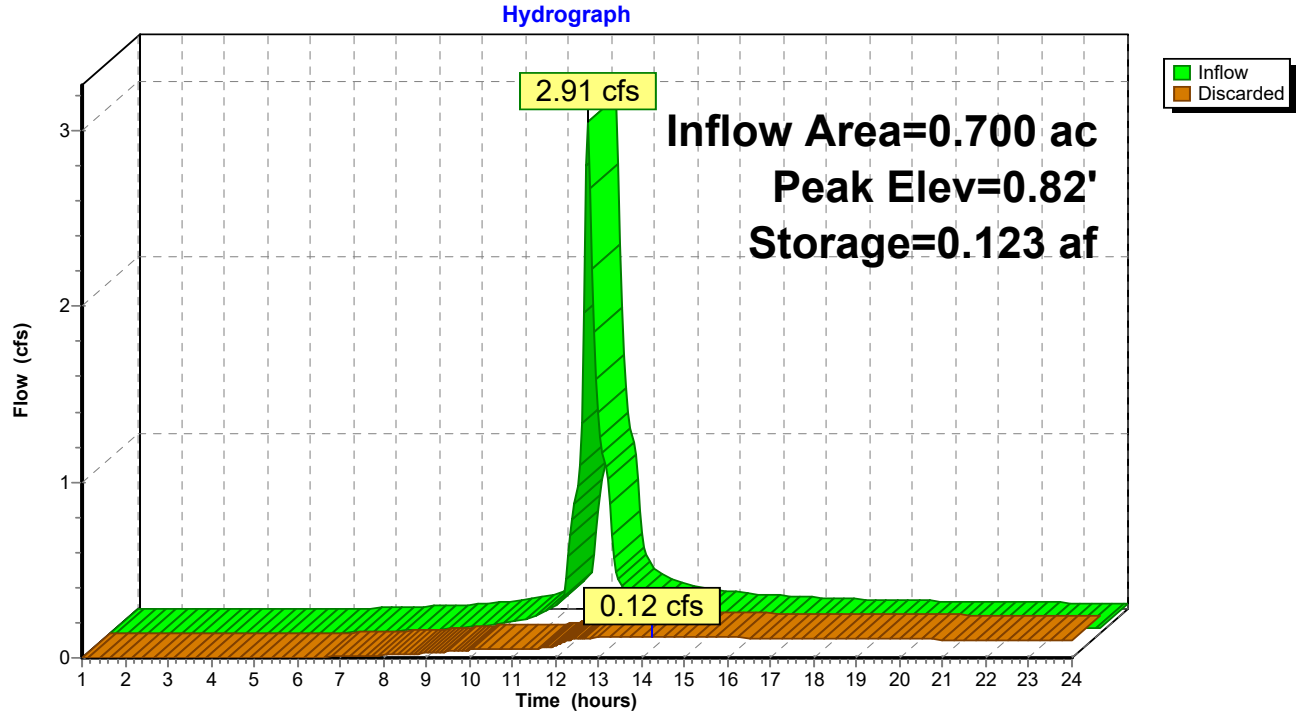
Plug-Flow detention time= 310.3 min calculated for 0.122 af (61% of inflow)
Center-of-Mass det. time= 214.3 min (1,018.3 - 804.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.163 af	**4.00'W x 1,010.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.12 cfs @ 14.25 hrs HW=0.82' (Free Discharge)
1=Exfiltration (Controls 0.12 cfs)

Pond 9P: Dry Swale 9



Summary for Pond 10P: Dry Swale 10

Inflow Area = 0.500 ac, 0.00% Impervious, Inflow Depth > 3.26" for 100-yr event
Inflow = 1.97 cfs @ 12.10 hrs, Volume= 0.136 af
Outflow = 0.08 cfs @ 14.25 hrs, Volume= 0.084 af, Atten= 96%, Lag= 129.3 min
Discarded = 0.08 cfs @ 14.25 hrs, Volume= 0.084 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.78' @ 14.25 hrs Surf.Area= 0.145 ac Storage= 0.082 af

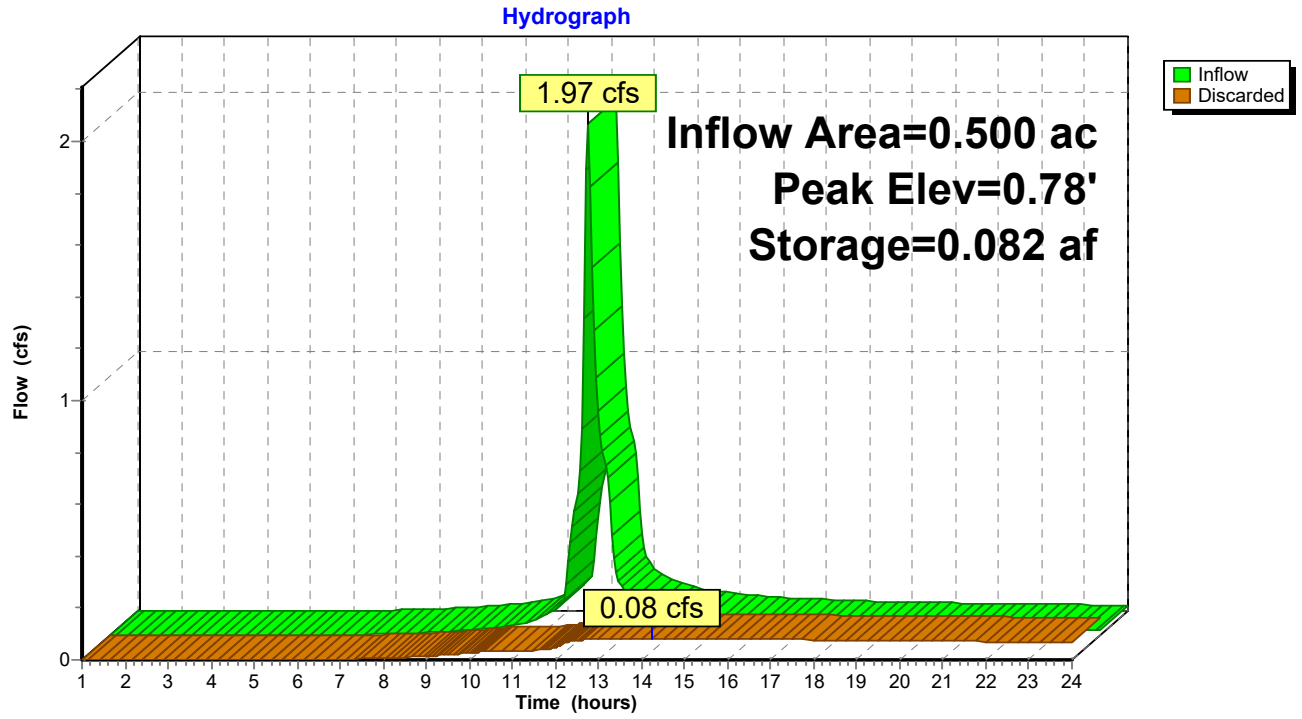
Plug-Flow detention time= 311.2 min calculated for 0.084 af (62% of inflow)
Center-of-Mass det. time= 215.6 min (1,025.3 - 809.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.117 af	**4.00'W x 725.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.08 cfs @ 14.25 hrs HW=0.78' (Free Discharge)
1=Exfiltration (Controls 0.08 cfs)

Pond 10P: Dry Swale 10



Summary for Pond 11P: Dry Swale 11

Inflow Area = 4.000 ac, 0.00% Impervious, Inflow Depth > 2.79" for 100-yr event
Inflow = 13.50 cfs @ 12.10 hrs, Volume= 0.929 af
Outflow = 0.60 cfs @ 14.26 hrs, Volume= 0.597 af, Atten= 96%, Lag= 129.9 min
Discarded = 0.60 cfs @ 14.26 hrs, Volume= 0.597 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.68' @ 14.26 hrs Surf.Area= 1.079 ac Storage= 0.550 af

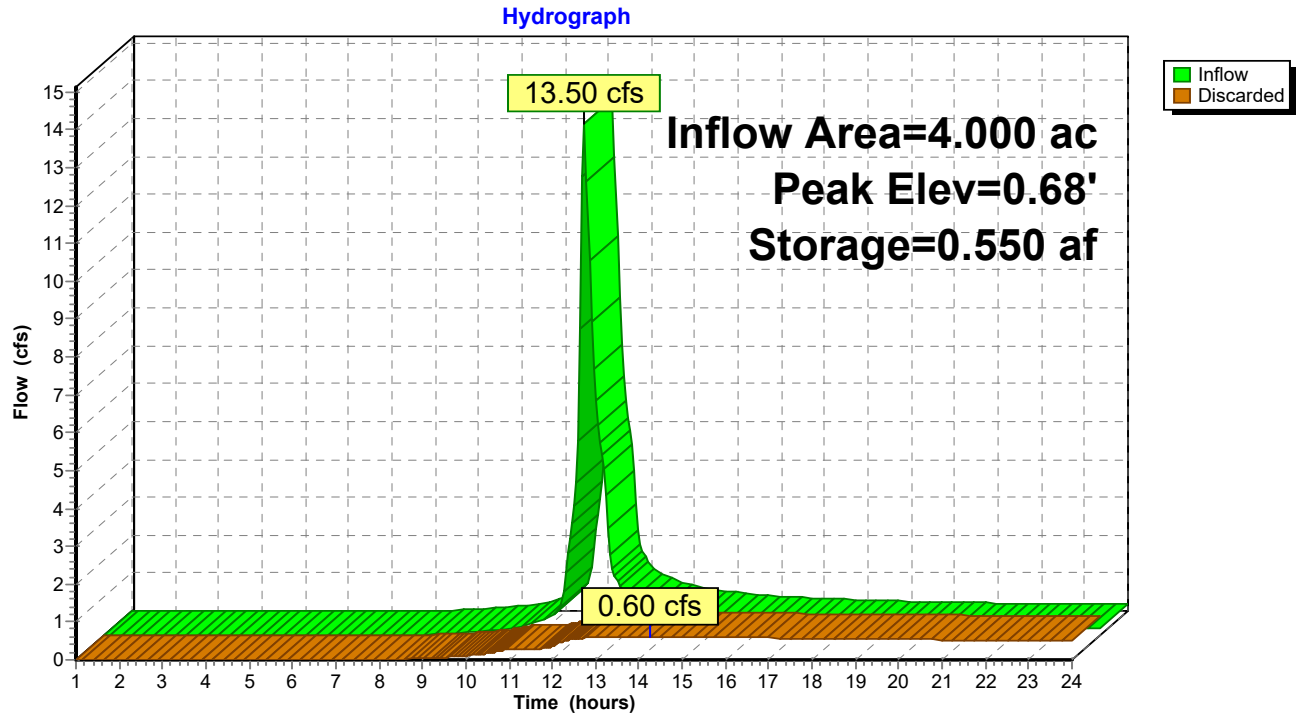
Plug-Flow detention time= 315.8 min calculated for 0.597 af (64% of inflow)
Center-of-Mass det. time= 217.0 min (1,039.5 - 822.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.933 af	**4.00'W x 5,800.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.60 cfs @ 14.26 hrs HW=0.68' (Free Discharge)
1=Exfiltration (Controls 0.60 cfs)

Pond 11P: Dry Swale 11



Summary for Pond 12P: Dry Swale 12

Inflow Area = 1.800 ac, 0.00% Impervious, Inflow Depth > 2.97" for 100-yr event
Inflow = 6.48 cfs @ 12.10 hrs, Volume= 0.446 af
Outflow = 0.28 cfs @ 14.27 hrs, Volume= 0.281 af, Atten= 96%, Lag= 130.1 min
Discarded = 0.28 cfs @ 14.27 hrs, Volume= 0.281 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.72' @ 14.27 hrs Surf.Area= 0.500 ac Storage= 0.266 af

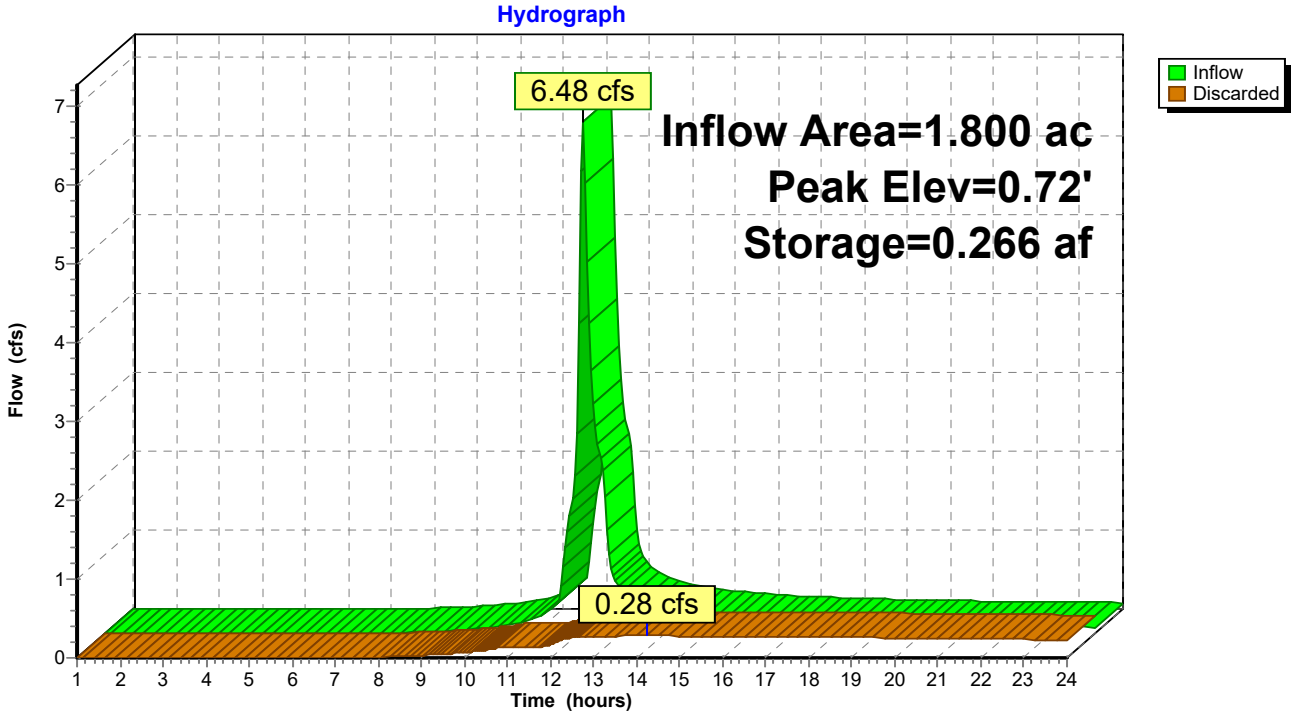
Plug-Flow detention time= 313.8 min calculated for 0.281 af (63% of inflow)
Center-of-Mass det. time= 216.8 min (1,034.3 - 817.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.420 af	**4.00'W x 2,610.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.28 cfs @ 14.27 hrs HW=0.72' (Free Discharge)
1=Exfiltration (Controls 0.28 cfs)

Pond 12P: Dry Swale 12



Summary for Pond 13P: Dry Swale 13

Inflow Area = 4.500 ac, 0.00% Impervious, Inflow Depth > 3.35" for 100-yr event
Inflow = 18.22 cfs @ 12.10 hrs, Volume= 1.257 af
Outflow = 0.73 cfs @ 14.28 hrs, Volume= 0.761 af, Atten= 96%, Lag= 131.3 min
Discarded = 0.73 cfs @ 14.28 hrs, Volume= 0.761 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.81' @ 14.28 hrs Surf.Area= 1.302 ac Storage= 0.767 af

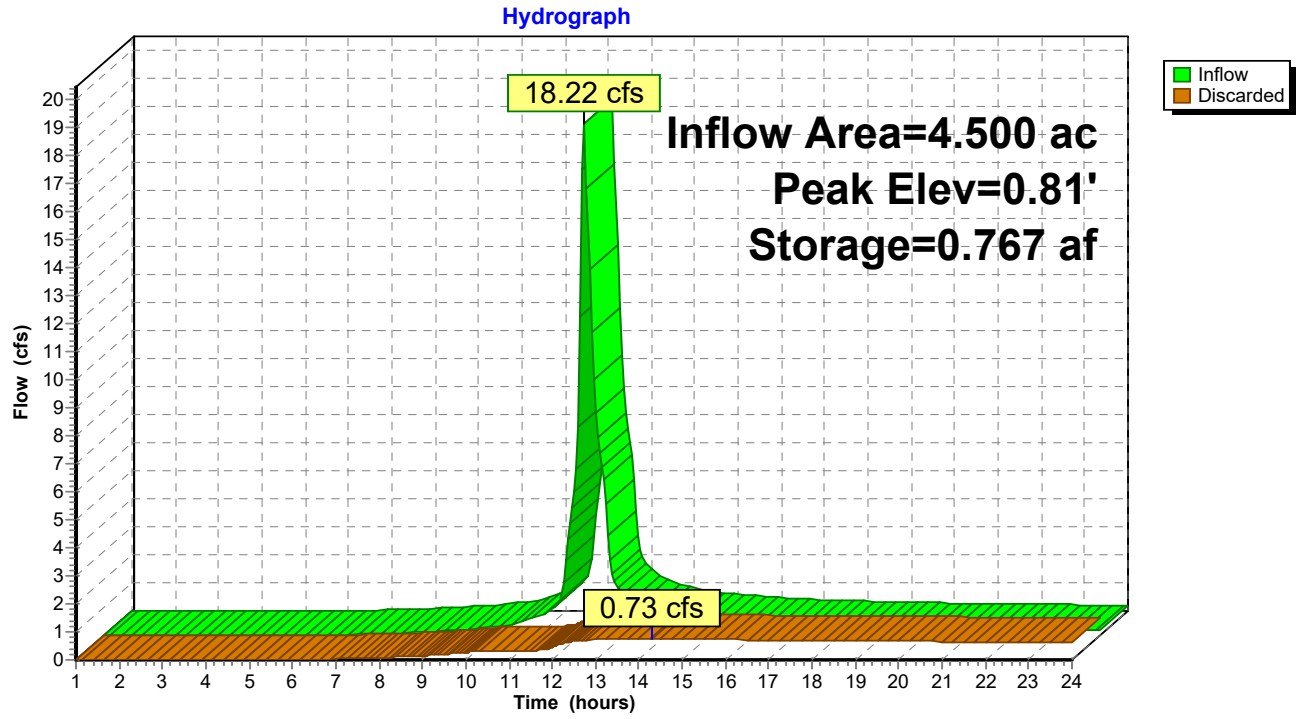
Plug-Flow detention time= 311.8 min calculated for 0.761 af (61% of inflow)
Center-of-Mass det. time= 215.2 min (1,022.1 - 806.9)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.027 af	**4.00'W x 6,390.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.73 cfs @ 14.28 hrs HW=0.81' (Free Discharge)
1=Exfiltration (Controls 0.73 cfs)

Pond 13P: Dry Swale 13



Summary for Pond 14P: Dry Swale 14

Inflow Area = 0.500 ac, 0.00% Impervious, Inflow Depth > 3.55" for 100-yr event
Inflow = 2.13 cfs @ 12.09 hrs, Volume= 0.148 af
Outflow = 0.08 cfs @ 14.23 hrs, Volume= 0.089 af, Atten= 96%, Lag= 128.2 min
Discarded = 0.08 cfs @ 14.23 hrs, Volume= 0.089 af

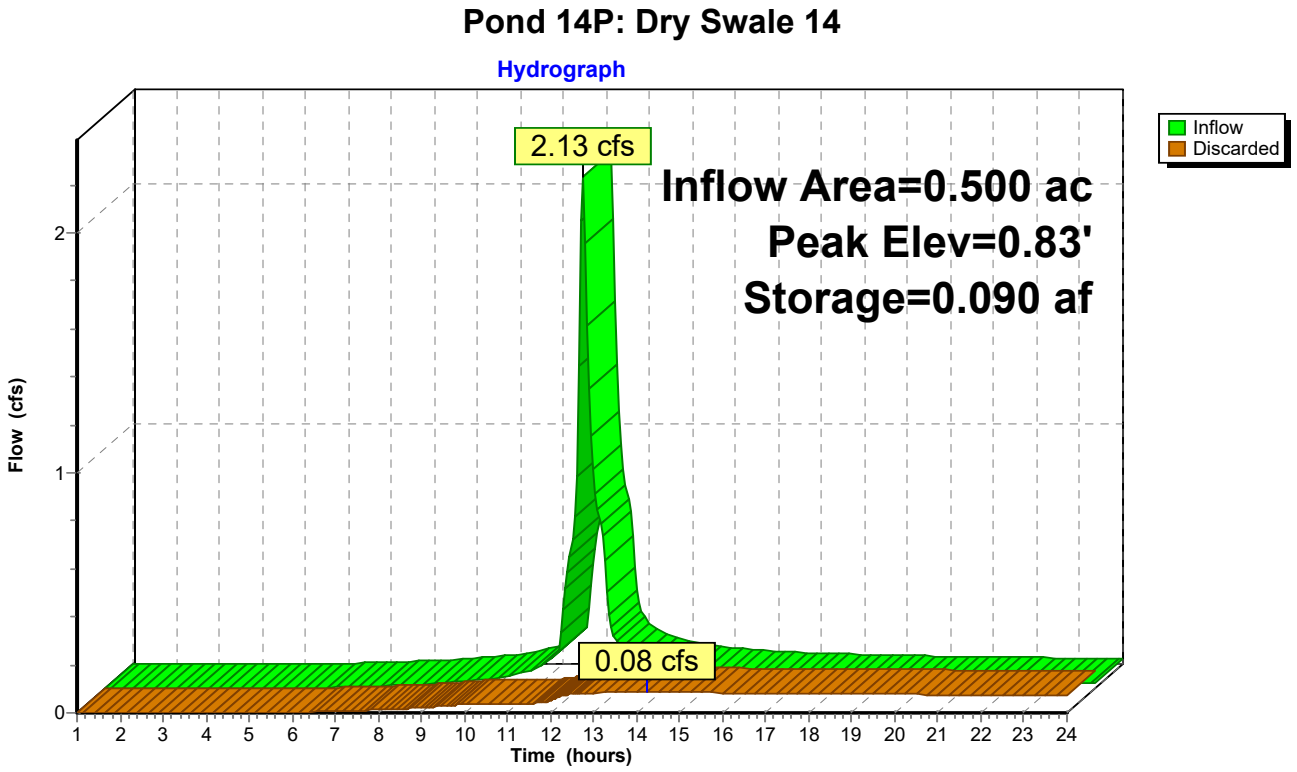
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.83' @ 14.23 hrs Surf.Area= 0.151 ac Storage= 0.090 af

Plug-Flow detention time= 309.0 min calculated for 0.089 af (60% of inflow)
Center-of-Mass det. time= 213.3 min (1,014.4 - 801.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.117 af	**4.00'W x 725.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.08 cfs @ 14.23 hrs HW=0.83' (Free Discharge)
1=Exfiltration (Controls 0.08 cfs)



Summary for Pond 15P: Dry Swale 15

Inflow Area = 1.100 ac, 0.00% Impervious, Inflow Depth > 3.55" for 100-yr event
Inflow = 4.69 cfs @ 12.09 hrs, Volume= 0.326 af
Outflow = 0.19 cfs @ 14.24 hrs, Volume= 0.196 af, Atten= 96%, Lag= 128.9 min
Discarded = 0.19 cfs @ 14.24 hrs, Volume= 0.196 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.84' @ 14.24 hrs Surf.Area= 0.330 ac Storage= 0.199 af

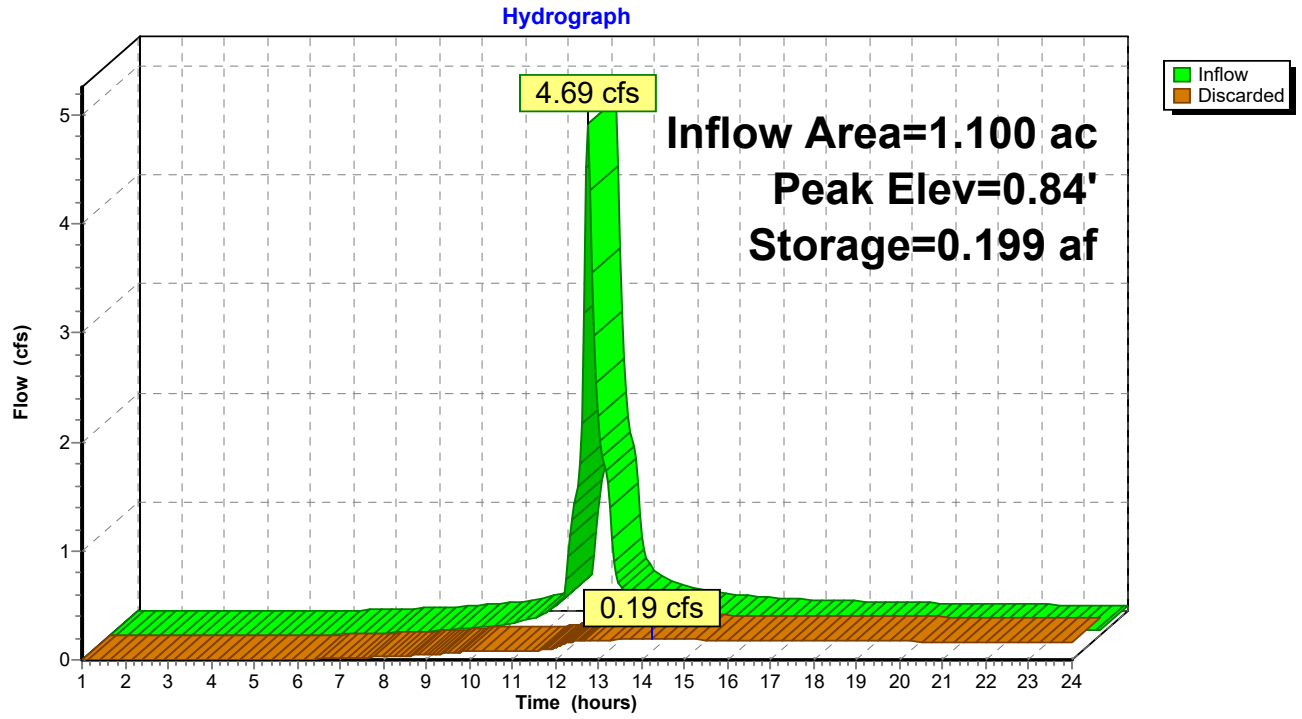
Plug-Flow detention time= 308.3 min calculated for 0.196 af (60% of inflow)
Center-of-Mass det. time= 213.3 min (1,014.4 - 801.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.256 af	**4.00'W x 1,590.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.19 cfs @ 14.24 hrs HW=0.84' (Free Discharge)
1=Exfiltration (Controls 0.19 cfs)

Pond 15P: Dry Swale 15

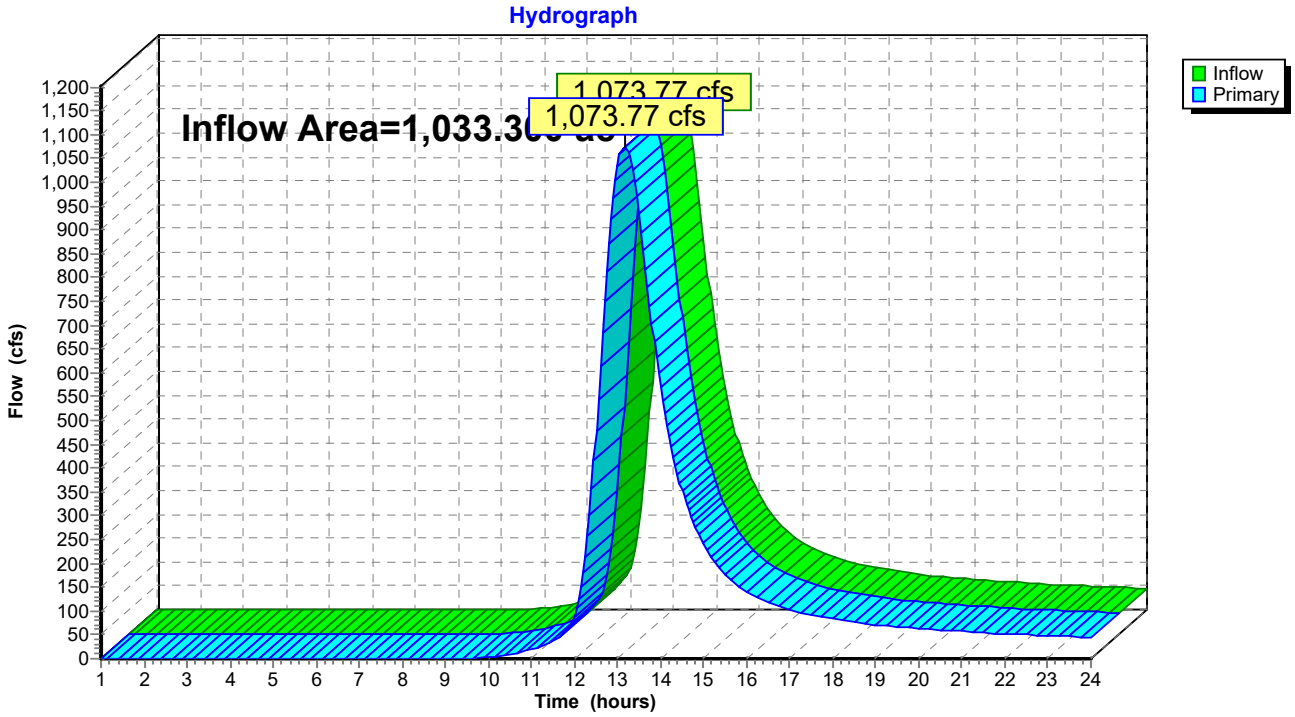


Summary for Link 1L: A

Inflow Area = 1,033.300 ac, 0.00% Impervious, Inflow Depth > 2.47" for 100-yr event
Inflow = 1,073.77 cfs @ 13.16 hrs, Volume= 212.923 af
Primary = 1,073.77 cfs @ 13.16 hrs, Volume= 212.923 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 1L: A

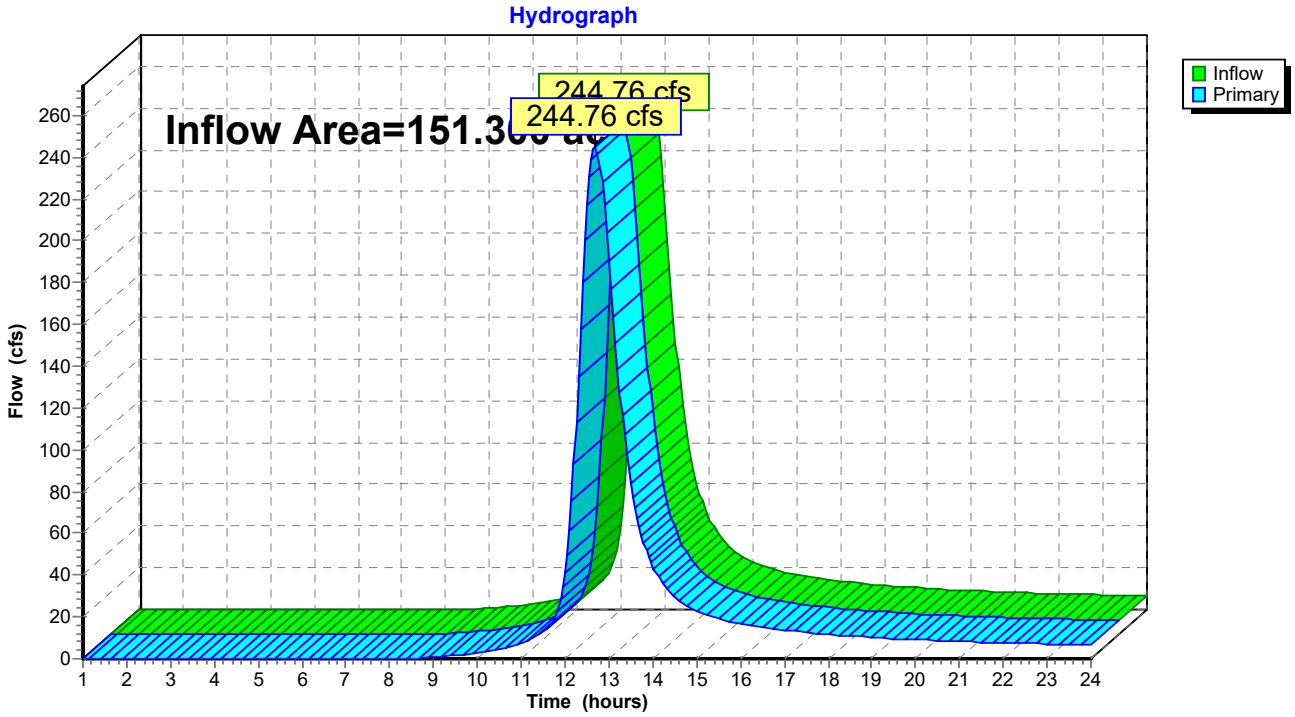


Summary for Link 2L: B

Inflow Area = 151.300 ac, 0.00% Impervious, Inflow Depth > 2.76" for 100-yr event
Inflow = 244.76 cfs @ 12.69 hrs, Volume= 34.809 af
Primary = 244.76 cfs @ 12.69 hrs, Volume= 34.809 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 2L: B

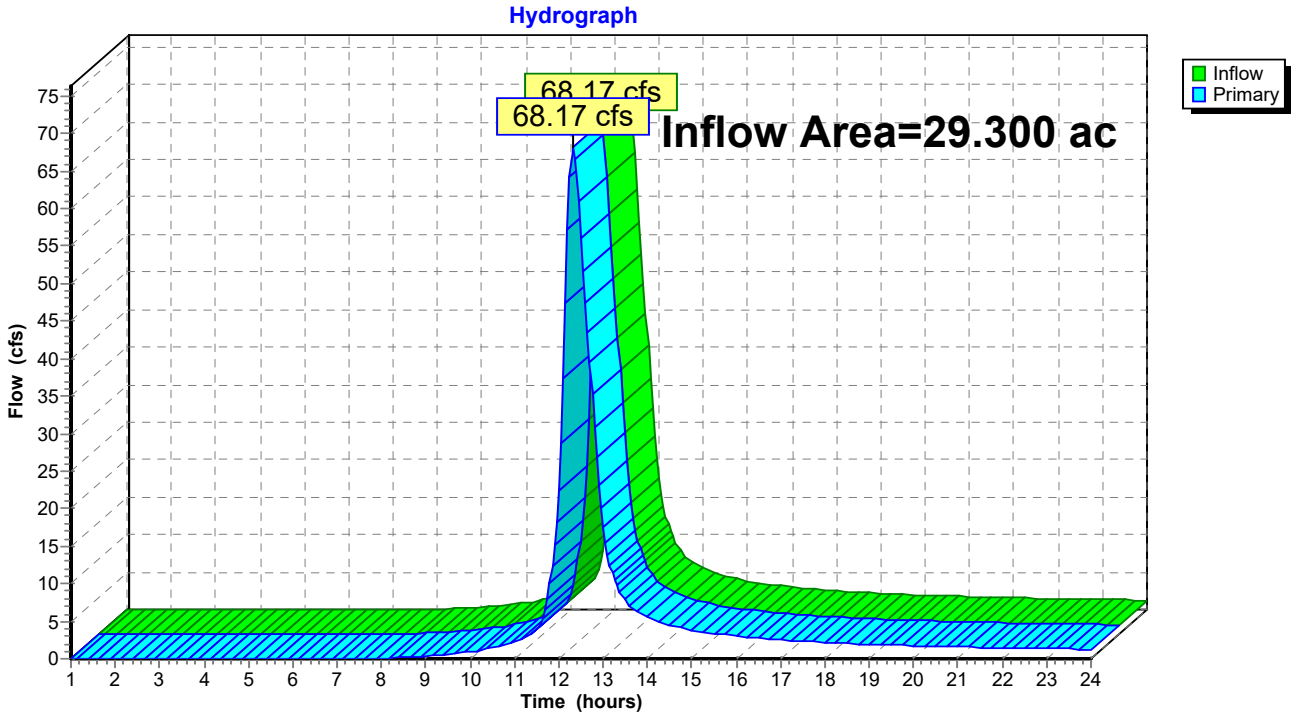


Summary for Link 3L: C

Inflow Area = 29.300 ac, 0.00% Impervious, Inflow Depth > 2.87" for 100-yr event
Inflow = 68.17 cfs @ 12.33 hrs, Volume= 7.003 af
Primary = 68.17 cfs @ 12.33 hrs, Volume= 7.003 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 3L: C

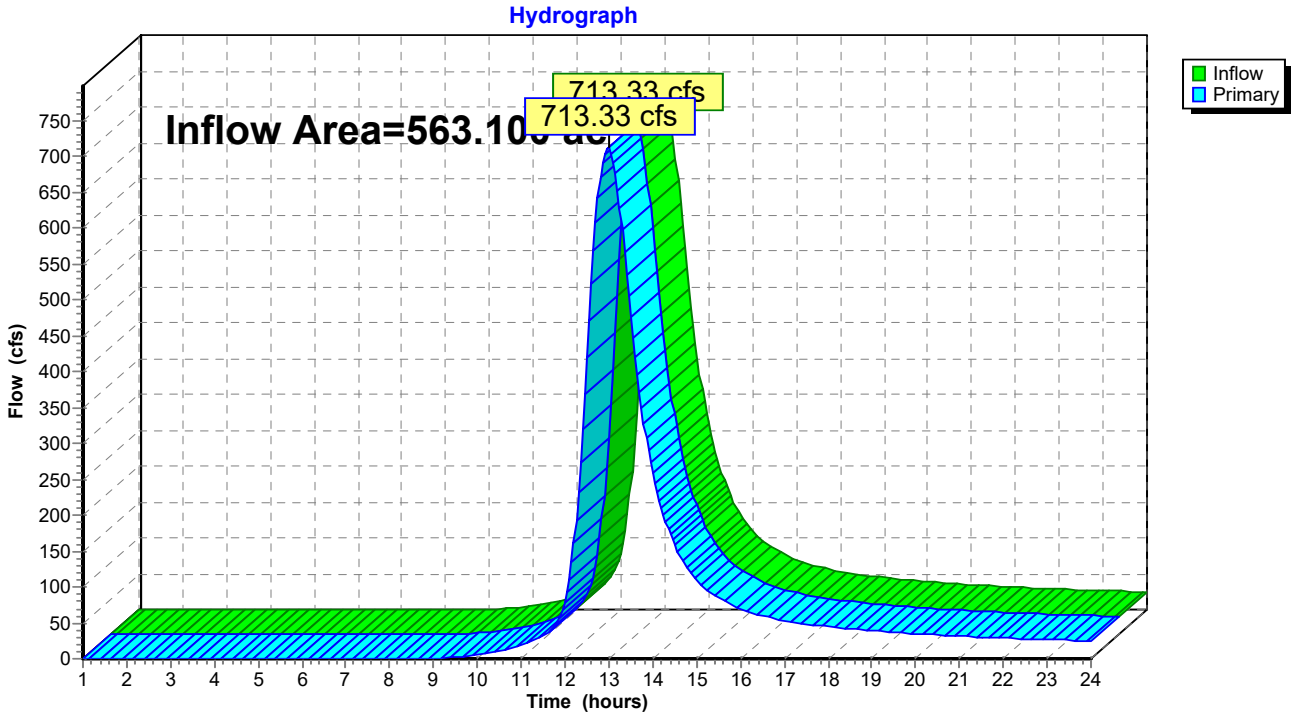


Summary for Link 4L: D

Inflow Area = 563.100 ac, 0.00% Impervious, Inflow Depth > 2.66" for 100-yr event
Inflow = 713.33 cfs @ 12.98 hrs, Volume= 124.676 af
Primary = 713.33 cfs @ 12.98 hrs, Volume= 124.676 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 4L: D

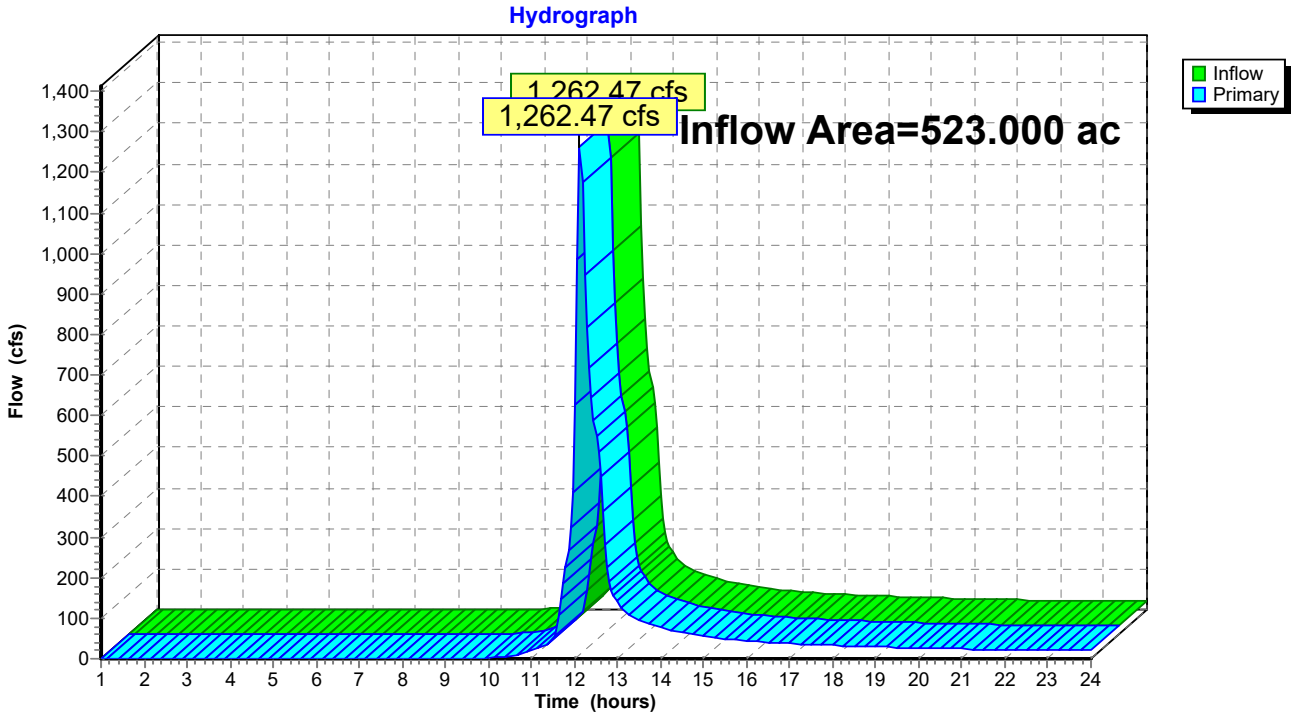


Summary for Link 5L: E

Inflow Area = 523.000 ac, 0.00% Impervious, Inflow Depth > 2.18" for 100-yr event
Inflow = 1,262.47 cfs @ 12.13 hrs, Volume= 95.202 af
Primary = 1,262.47 cfs @ 12.13 hrs, Volume= 95.202 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 5L: E

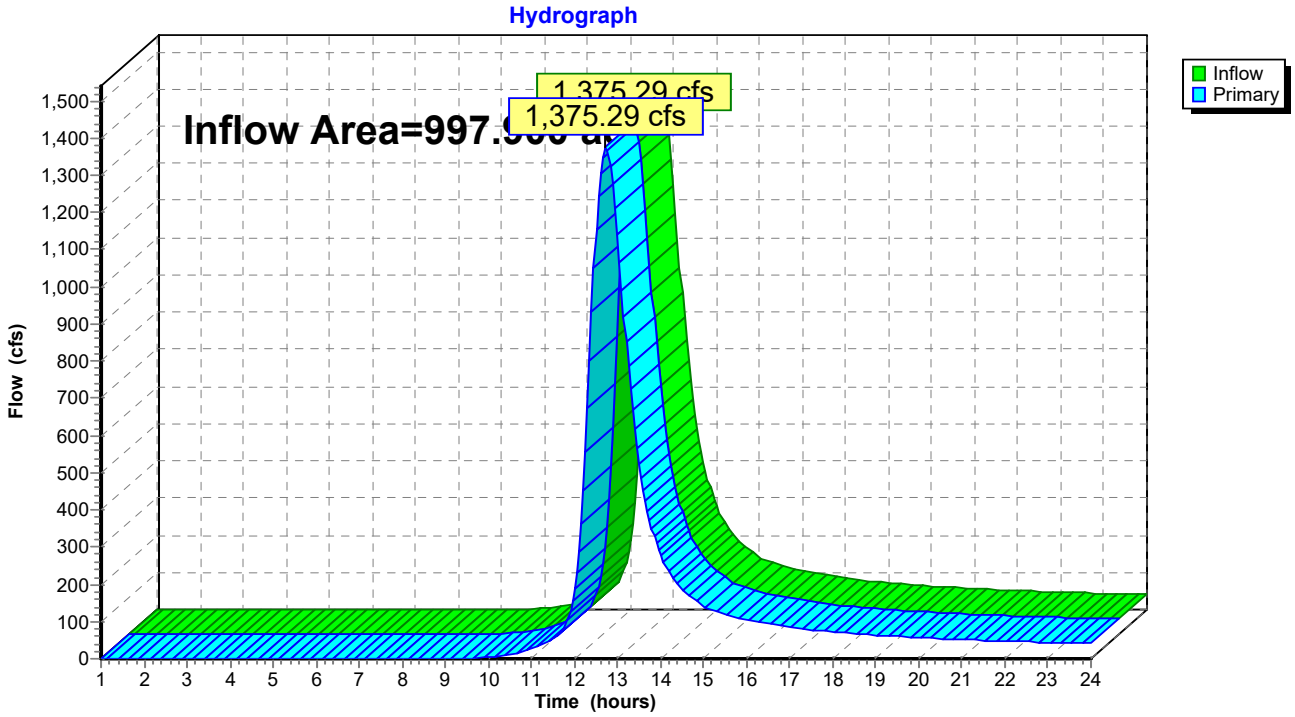


Summary for Link 6L: F

Inflow Area = 997.900 ac, 0.00% Impervious, Inflow Depth > 2.41" for 100-yr event
Inflow = 1,375.29 cfs @ 12.72 hrs, Volume= 200.372 af
Primary = 1,375.29 cfs @ 12.72 hrs, Volume= 200.372 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 6L: F

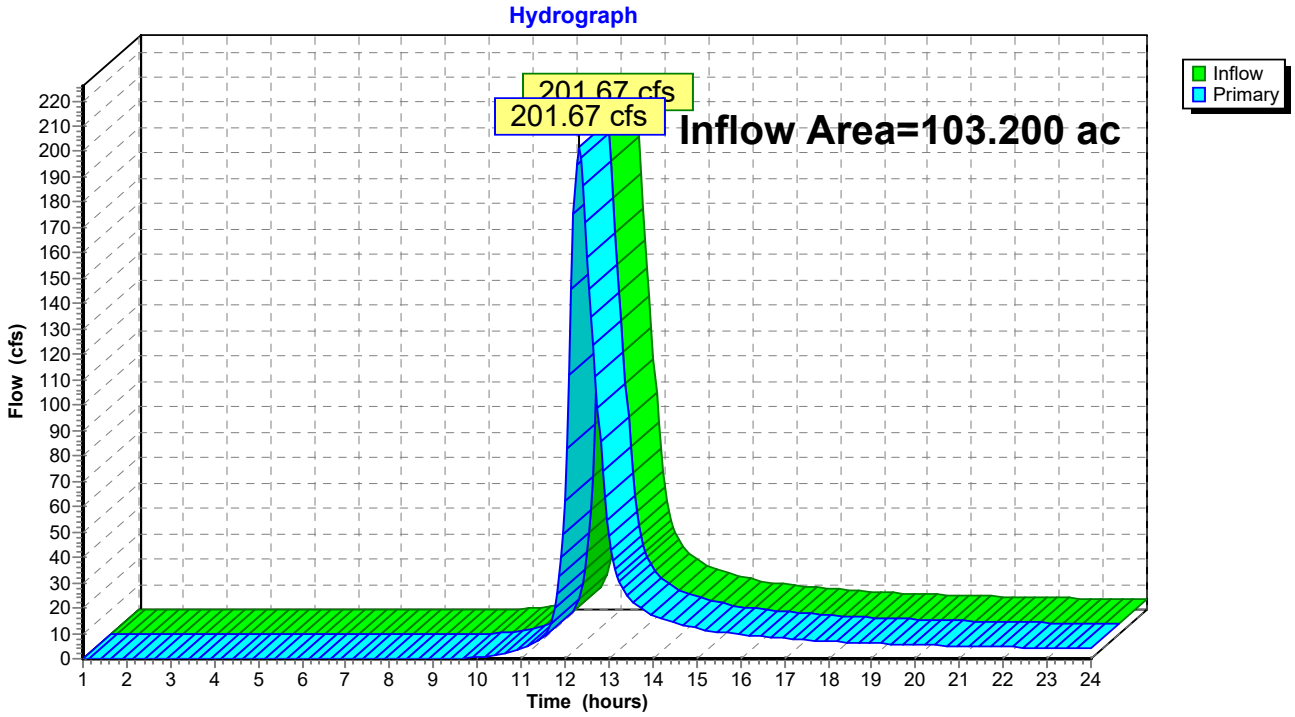


Summary for Link 7L: G

Inflow Area = 103.200 ac, 0.00% Impervious, Inflow Depth > 2.34" for 100-yr event
Inflow = 201.67 cfs @ 12.31 hrs, Volume= 20.149 af
Primary = 201.67 cfs @ 12.31 hrs, Volume= 20.149 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 7L: G

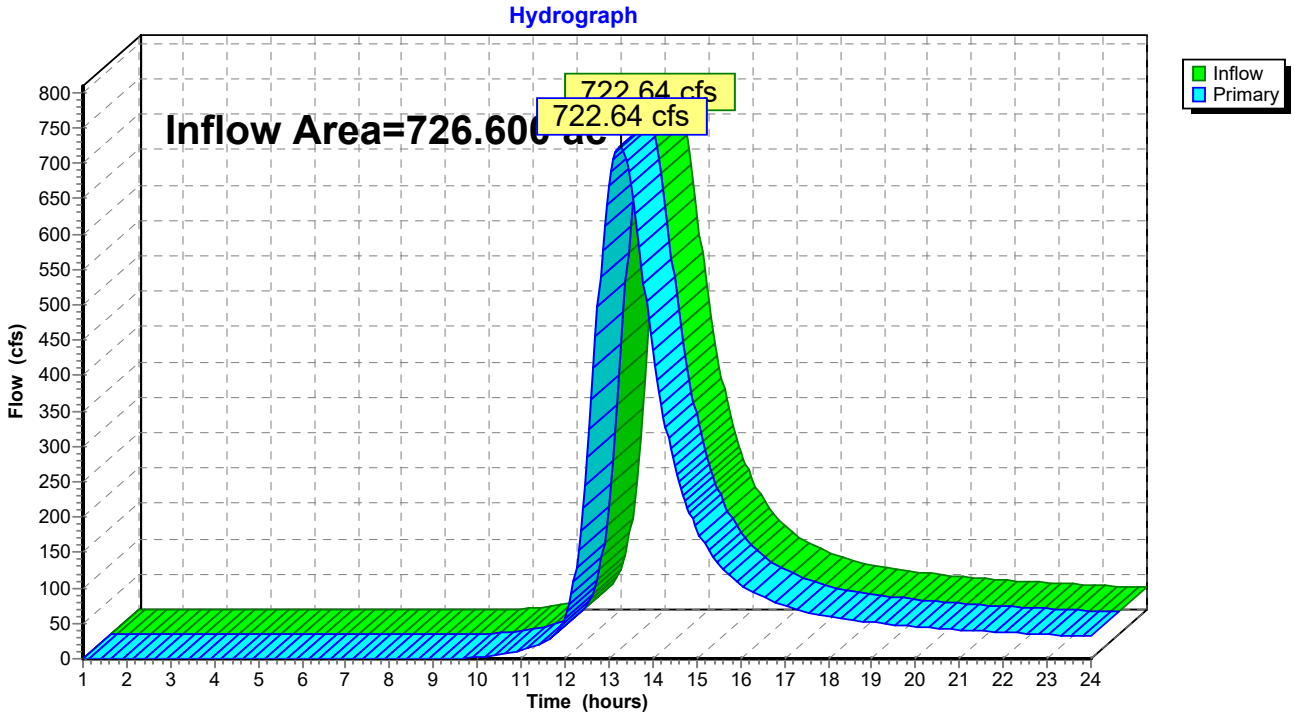


Summary for Link 8L: H

Inflow Area = 726.600 ac, 0.00% Impervious, Inflow Depth > 2.47" for 100-yr event
Inflow = 722.64 cfs @ 13.26 hrs, Volume= 149.486 af
Primary = 722.64 cfs @ 13.26 hrs, Volume= 149.486 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 8L: H

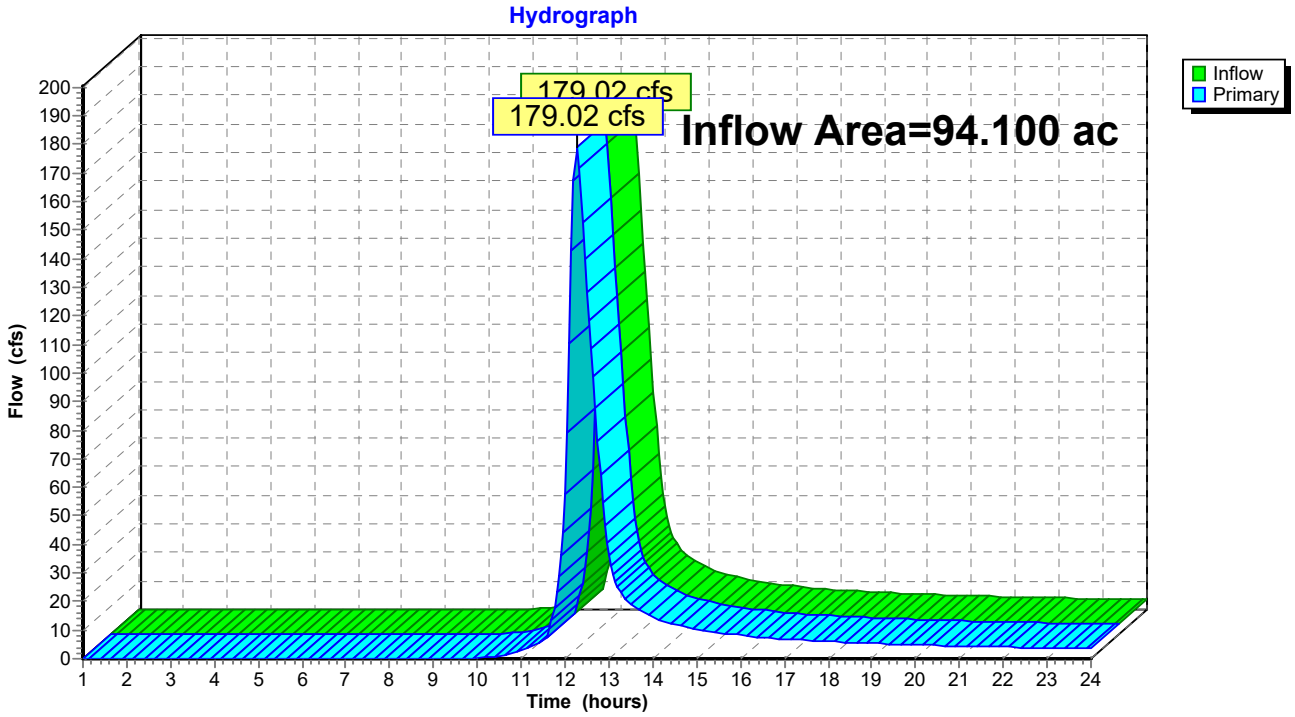


Summary for Link 9L: I

Inflow Area = 94.100 ac, 0.00% Impervious, Inflow Depth > 2.18" for 100-yr event
Inflow = 179.02 cfs @ 12.27 hrs, Volume= 17.086 af
Primary = 179.02 cfs @ 12.27 hrs, Volume= 17.086 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 9L: I

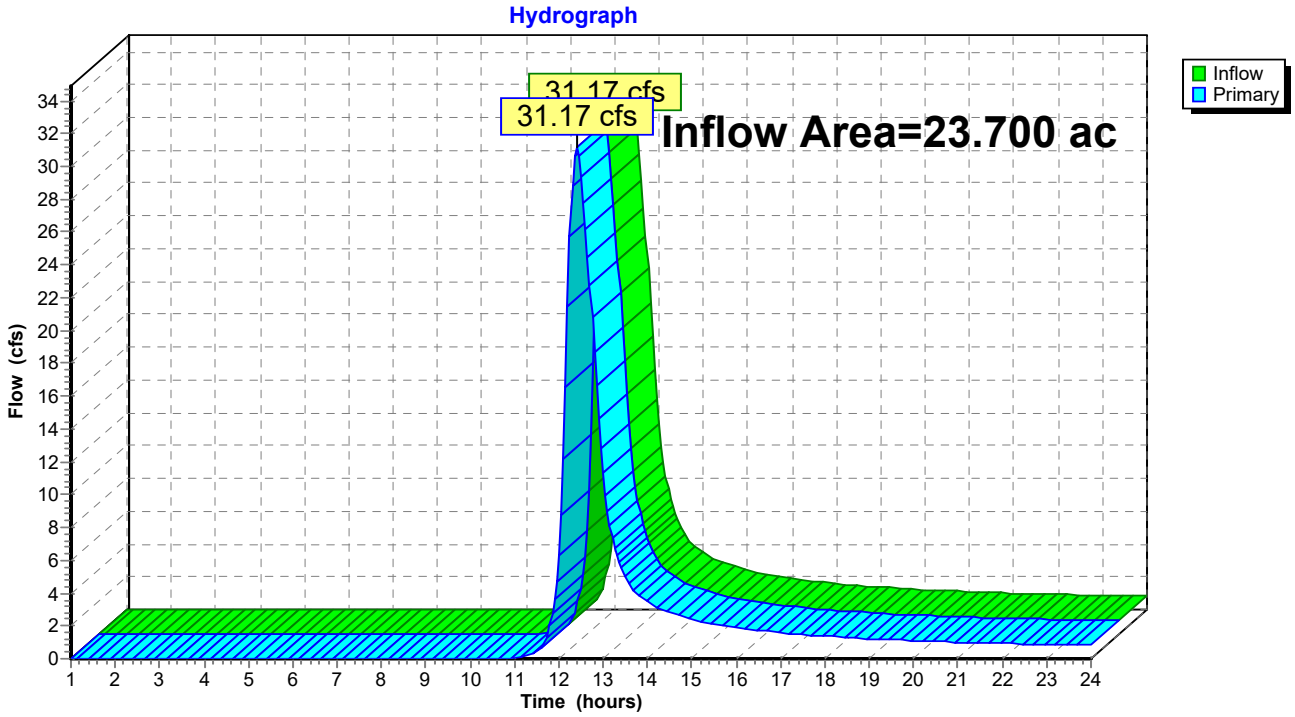


Summary for Link 10L: J

Inflow Area = 23.700 ac, 0.00% Impervious, Inflow Depth > 1.78" for 100-yr event
Inflow = 31.17 cfs @ 12.40 hrs, Volume= 3.519 af
Primary = 31.17 cfs @ 12.40 hrs, Volume= 3.519 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 10L: J

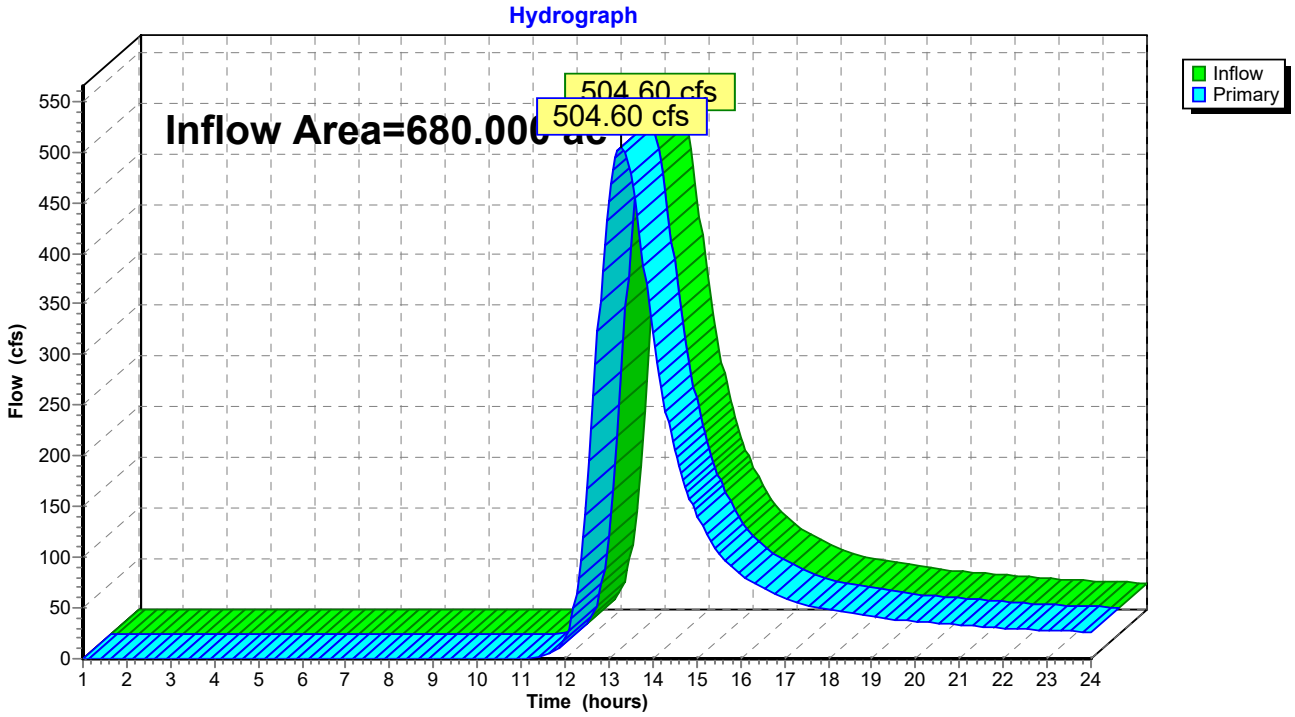


Summary for Link 11L: K

Inflow Area = 680.000 ac, 0.00% Impervious, Inflow Depth > 1.90" for 100-yr event
Inflow = 504.60 cfs @ 13.28 hrs, Volume= 107.567 af
Primary = 504.60 cfs @ 13.28 hrs, Volume= 107.567 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 11L: K

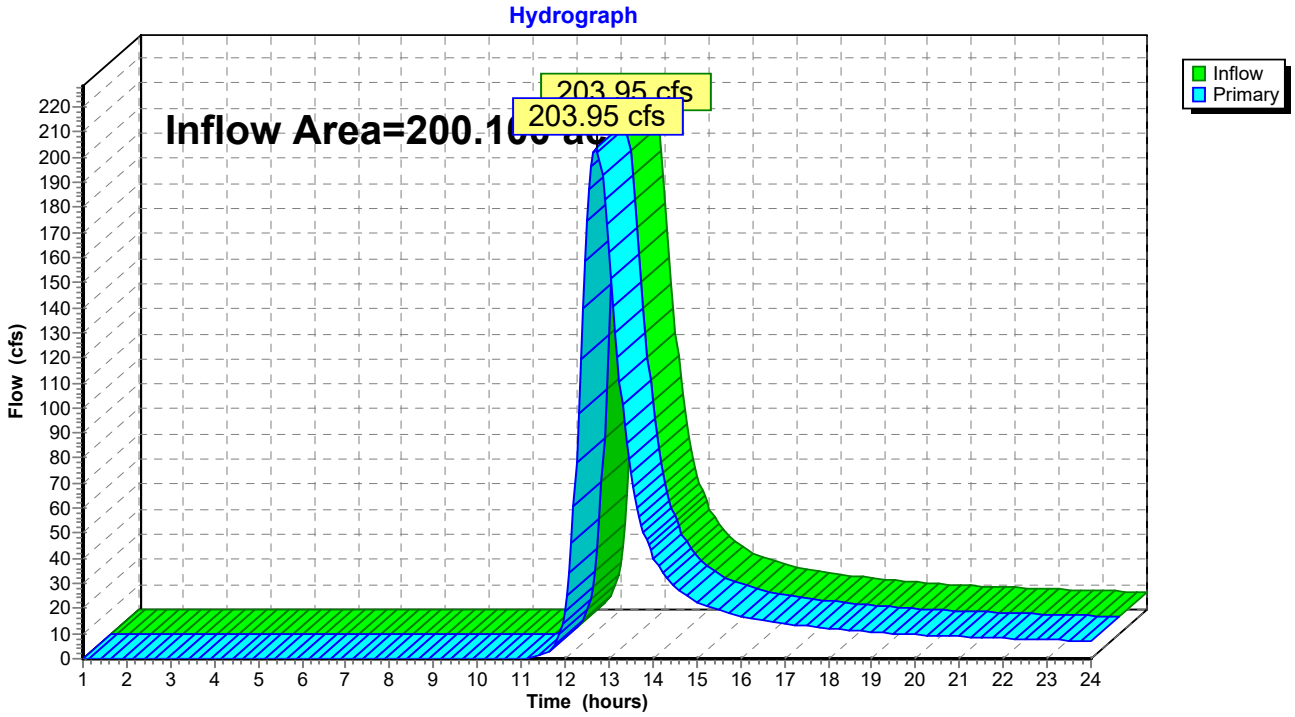


Summary for Link 12L: L

Inflow Area = 200.100 ac, 0.00% Impervious, Inflow Depth > 1.77" for 100-yr event
Inflow = 203.95 cfs @ 12.71 hrs, Volume= 29.532 af
Primary = 203.95 cfs @ 12.71 hrs, Volume= 29.532 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 12L: L

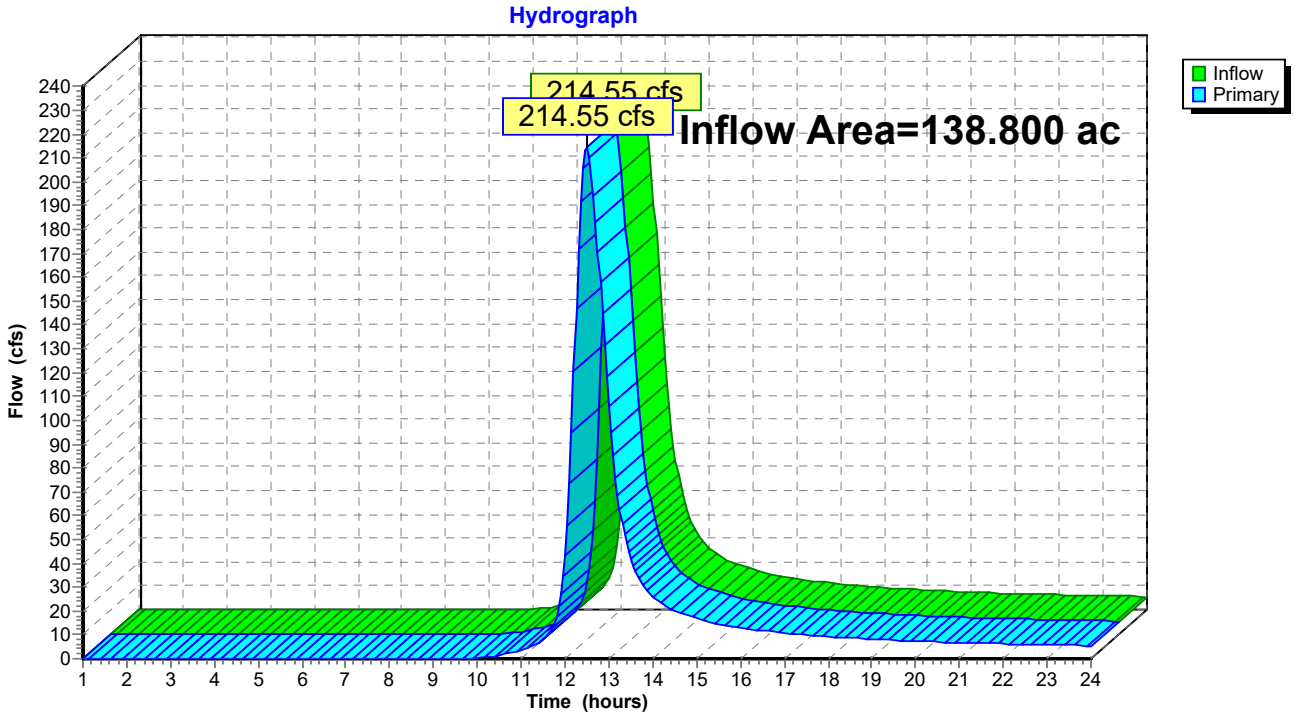


Summary for Link 13L: M

Inflow Area = 138.800 ac, 0.00% Impervious, Inflow Depth > 2.25" for 100-yr event
Inflow = 214.55 cfs @ 12.49 hrs, Volume= 26.051 af
Primary = 214.55 cfs @ 12.49 hrs, Volume= 26.051 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 13L: M

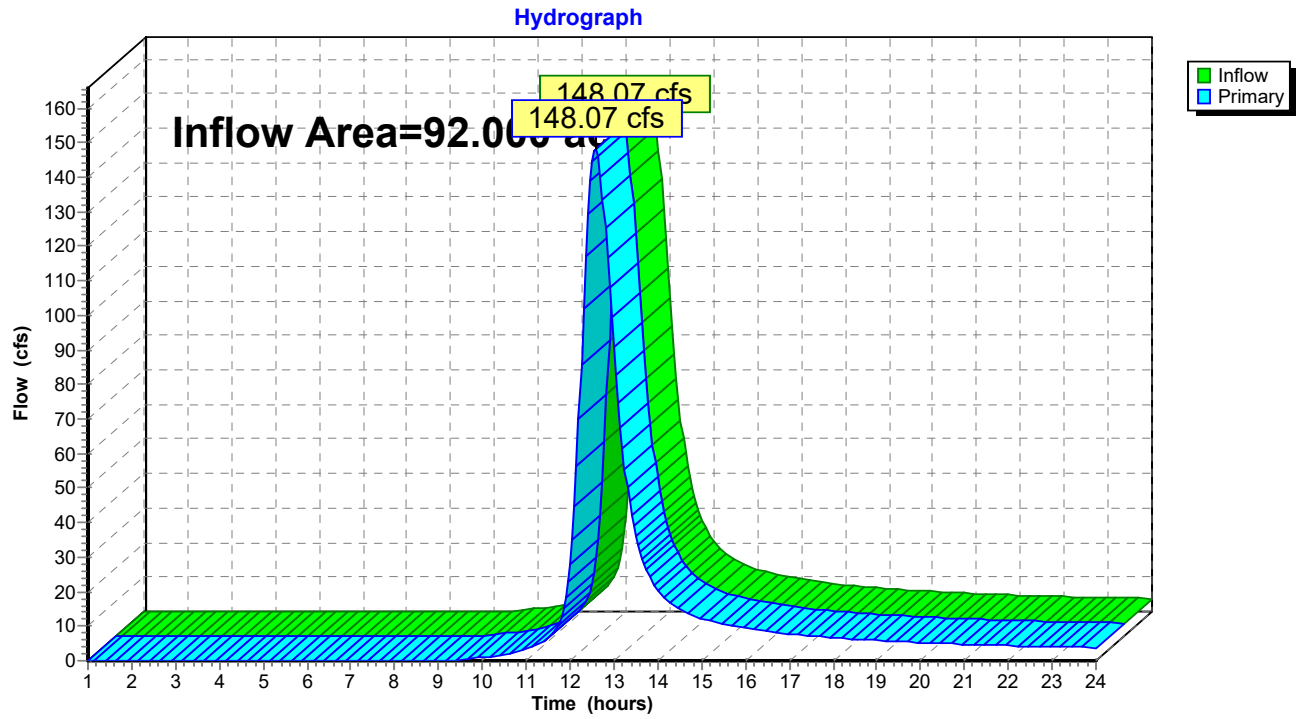


Summary for Link 14L: N

Inflow Area = 92.000 ac, 0.00% Impervious, Inflow Depth > 2.50" for 100-yr event
Inflow = 148.07 cfs @ 12.57 hrs, Volume= 19.182 af
Primary = 148.07 cfs @ 12.57 hrs, Volume= 19.182 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 14L: N

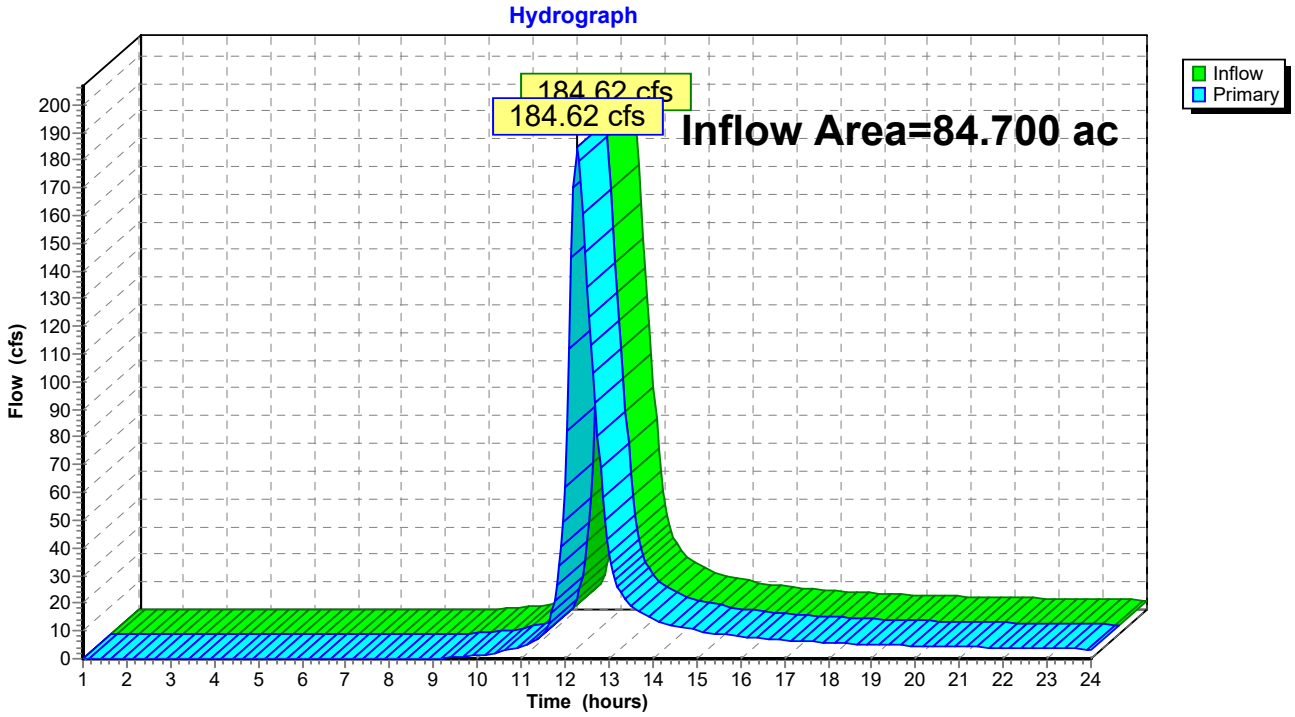


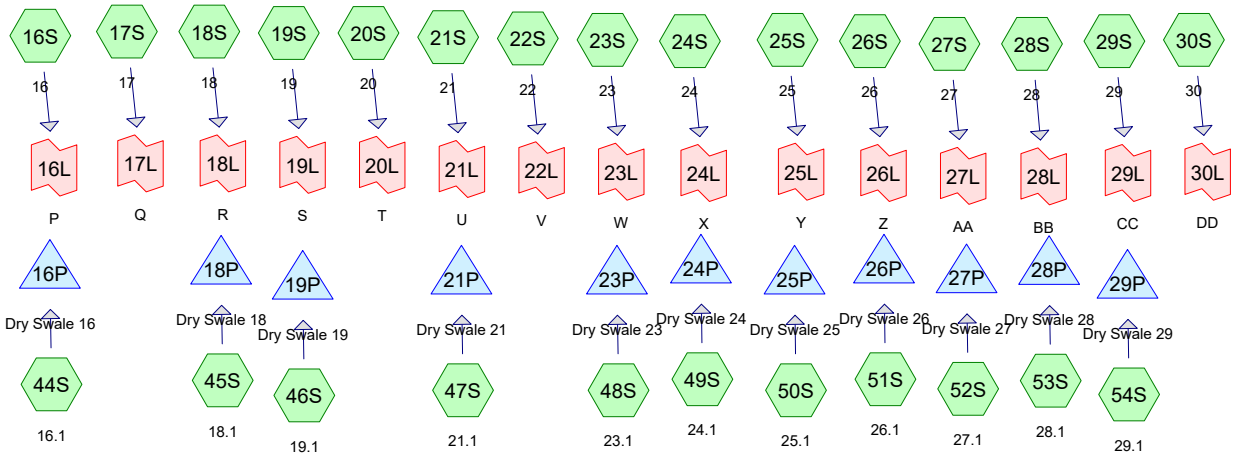
Summary for Link 15L: O

Inflow Area = 84.700 ac, 0.00% Impervious, Inflow Depth > 2.51" for 100-yr event
Inflow = 184.62 cfs @ 12.28 hrs, Volume= 17.748 af
Primary = 184.62 cfs @ 12.28 hrs, Volume= 17.748 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 15L: O





Subcat Reach Pond Link

Routing Diagram for Prop2

Prepared by Stantec Consulting Services Inc., Printed 3/31/2021

HydroCAD® 10.00-20 s/n 07990 © 2017 HydroCAD Software Solutions LLC

Time span=1.00-24.00 hrs, dt=0.05 hrs, 461 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment16S: 16 Runoff Area=111.000 ac 0.00% Impervious Runoff Depth>0.34"
Flow Length=3,030' Tc=32.3 min CN=76 Runoff=19.76 cfs 3.138 af

Subcatchment17S: 17 Runoff Area=6.500 ac 0.00% Impervious Runoff Depth>0.21"
Flow Length=680' Slope=0.2000 '/' Tc=11.1 min CN=71 Runoff=0.74 cfs 0.114 af

Subcatchment18S: 18 Runoff Area=197.100 ac 0.00% Impervious Runoff Depth>0.13"
Flow Length=4,345' Tc=42.4 min CN=67 Runoff=6.59 cfs 2.106 af

Subcatchment19S: 19 Runoff Area=160.700 ac 0.00% Impervious Runoff Depth>0.40"
Flow Length=1,050' Tc=25.9 min CN=78 Runoff=41.04 cfs 5.407 af

Subcatchment20S: 20 Runoff Area=254.400 ac 0.00% Impervious Runoff Depth>0.17"
Flow Length=5,825' Tc=34.2 min CN=69 Runoff=14.24 cfs 3.520 af

Subcatchment21S: 21 Runoff Area=283.900 ac 0.00% Impervious Runoff Depth>0.23"
Flow Length=6,035' Tc=31.9 min CN=72 Runoff=27.96 cfs 5.483 af

Subcatchment22S: 22 Runoff Area=44.800 ac 0.00% Impervious Runoff Depth>0.11"
Flow Length=2,185' Tc=15.8 min CN=66 Runoff=1.61 cfs 0.425 af

Subcatchment23S: 23 Runoff Area=98.300 ac 0.00% Impervious Runoff Depth>0.28"
Flow Length=2,880' Tc=38.7 min CN=74 Runoff=12.23 cfs 2.306 af

Subcatchment24S: 24 Runoff Area=531.700 ac 0.00% Impervious Runoff Depth>0.18"
Flow Length=12,990' Tc=65.9 min CN=70 Runoff=26.22 cfs 8.101 af

Subcatchment25S: 25 Runoff Area=414.200 ac 0.00% Impervious Runoff Depth>0.31"
Flow Length=7,355' Tc=46.0 min CN=75 Runoff=54.40 cfs 10.628 af

Subcatchment26S: 26 Runoff Area=104.600 ac 0.00% Impervious Runoff Depth>0.31"
Flow Length=1,875' Tc=25.0 min CN=75 Runoff=18.11 cfs 2.712 af

Subcatchment27S: 27 Runoff Area=27.300 ac 0.00% Impervious Runoff Depth>0.44"
Flow Length=1,470' Tc=39.7 min CN=79 Runoff=6.26 cfs 0.991 af

Subcatchment28S: 28 Runoff Area=38.800 ac 0.00% Impervious Runoff Depth>0.28"
Flow Length=2,680' Slope=0.1300 '/' Tc=19.5 min CN=74 Runoff=6.41 cfs 0.919 af

Subcatchment29S: 29 Runoff Area=536.900 ac 0.00% Impervious Runoff Depth>0.20"
Flow Length=10,730' Tc=67.0 min CN=71 Runoff=31.49 cfs 9.139 af

Subcatchment30S: 30 Runoff Area=31.900 ac 0.00% Impervious Runoff Depth>0.15"
Flow Length=1,210' Tc=35.4 min CN=68 Runoff=1.44 cfs 0.390 af

Subcatchment44S: 16.1 Runoff Area=0.100 ac 0.00% Impervious Runoff Depth>0.80"
Tc=10.0 min CN=87 Runoff=0.09 cfs 0.007 af

Subcatchment 45S: 18.1 Runoff Area=3.000 ac 0.00% Impervious Runoff Depth>0.44"
Tc=10.0 min CN=79 Runoff=1.34 cfs 0.110 af

Subcatchment 46S: 19.1 Runoff Area=0.500 ac 0.00% Impervious Runoff Depth>0.64"
Tc=10.0 min CN=84 Runoff=0.37 cfs 0.027 af

Subcatchment 47S: 21.1 Runoff Area=2.400 ac 0.00% Impervious Runoff Depth>0.64"
Tc=10.0 min CN=84 Runoff=1.76 cfs 0.129 af

Subcatchment 48S: 23.1 Runoff Area=0.800 ac 0.00% Impervious Runoff Depth>0.80"
Tc=10.0 min CN=87 Runoff=0.75 cfs 0.053 af

Subcatchment 49S: 24.1 Runoff Area=1.500 ac 0.00% Impervious Runoff Depth>0.34"
Tc=10.0 min CN=76 Runoff=0.45 cfs 0.043 af

Subcatchment 50S: 25.1 Runoff Area=2.400 ac 0.00% Impervious Runoff Depth>0.52"
Tc=10.0 min CN=81 Runoff=1.33 cfs 0.103 af

Subcatchment 51S: 26.1 Runoff Area=1.200 ac 0.00% Impervious Runoff Depth>0.60"
Tc=10.0 min CN=83 Runoff=0.81 cfs 0.060 af

Subcatchment 52S: 27.1 Runoff Area=1.000 ac 0.00% Impervious Runoff Depth>0.69"
Tc=10.0 min CN=85 Runoff=0.80 cfs 0.058 af

Subcatchment 53S: 28.1 Runoff Area=0.900 ac 0.00% Impervious Runoff Depth>0.64"
Tc=10.0 min CN=84 Runoff=0.66 cfs 0.048 af

Subcatchment 54S: 29.1 Runoff Area=5.800 ac 0.00% Impervious Runoff Depth>0.37"
Tc=10.0 min CN=77 Runoff=2.01 cfs 0.181 af

Pond 16P: Dry Swale 16 Peak Elev=0.19' Storage=0.003 af Inflow=0.09 cfs 0.007 af
Outflow=0.01 cfs 0.007 af

Pond 18P: Dry Swale 18 Peak Elev=0.08' Storage=0.033 af Inflow=1.34 cfs 0.110 af
Outflow=0.23 cfs 0.110 af

Pond 19P: Dry Swale 19 Peak Elev=0.14' Storage=0.010 af Inflow=0.37 cfs 0.027 af
Outflow=0.04 cfs 0.027 af

Pond 21P: Dry Swale 21 Peak Elev=0.14' Storage=0.049 af Inflow=1.76 cfs 0.129 af
Outflow=0.20 cfs 0.128 af

Pond 23P: Dry Swale 23 Peak Elev=0.18' Storage=0.022 af Inflow=0.75 cfs 0.053 af
Outflow=0.07 cfs 0.053 af

Pond 24P: Dry Swale 24 Peak Elev=0.05' Storage=0.010 af Inflow=0.45 cfs 0.043 af
Outflow=0.11 cfs 0.043 af

Pond 25P: Dry Swale 25 Peak Elev=0.10' Storage=0.035 af Inflow=1.33 cfs 0.103 af
Outflow=0.19 cfs 0.103 af

Pond 26P: Dry Swale 26 Peak Elev=0.13' Storage=0.022 af Inflow=0.81 cfs 0.060 af
Outflow=0.10 cfs 0.060 af

Pond 27P: Dry Swale 27 Peak Elev=0.15' Storage=0.023 af Inflow=0.80 cfs 0.058 af
Outflow=0.08 cfs 0.057 af

Pond 28P: Dry Swale 28 Peak Elev=0.14' Storage=0.018 af Inflow=0.66 cfs 0.048 af
Outflow=0.07 cfs 0.048 af

Pond 29P: Dry Swale 29 Peak Elev=0.06' Storage=0.047 af Inflow=2.01 cfs 0.181 af
Outflow=0.43 cfs 0.179 af

Link 16L: P Inflow=19.76 cfs 3.138 af
Primary=19.76 cfs 3.138 af

Link 17L: Q Inflow=0.74 cfs 0.114 af
Primary=0.74 cfs 0.114 af

Link 18L: R Inflow=6.59 cfs 2.106 af
Primary=6.59 cfs 2.106 af

Link 19L: S Inflow=41.04 cfs 5.407 af
Primary=41.04 cfs 5.407 af

Link 20L: T Inflow=14.24 cfs 3.520 af
Primary=14.24 cfs 3.520 af

Link 21L: U Inflow=27.96 cfs 5.483 af
Primary=27.96 cfs 5.483 af

Link 22L: V Inflow=1.61 cfs 0.425 af
Primary=1.61 cfs 0.425 af

Link 23L: W Inflow=12.23 cfs 2.306 af
Primary=12.23 cfs 2.306 af

Link 24L: X Inflow=26.22 cfs 8.101 af
Primary=26.22 cfs 8.101 af

Link 25L: Y Inflow=54.40 cfs 10.628 af
Primary=54.40 cfs 10.628 af

Link 26L: Z Inflow=18.11 cfs 2.712 af
Primary=18.11 cfs 2.712 af

Link 27L: AA Inflow=6.26 cfs 0.991 af
Primary=6.26 cfs 0.991 af

Link 28L: BB Inflow=6.41 cfs 0.919 af
Primary=6.41 cfs 0.919 af

Link 29L: CC Inflow=31.49 cfs 9.139 af
Primary=31.49 cfs 9.139 af

Link 30L: DD

Inflow=1.44 cfs 0.390 af
Primary=1.44 cfs 0.390 af

Total Runoff Area = 2,861.700 ac Runoff Volume = 56.198 af Average Runoff Depth = 0.24"
100.00% Pervious = 2,861.700 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 16S: 16

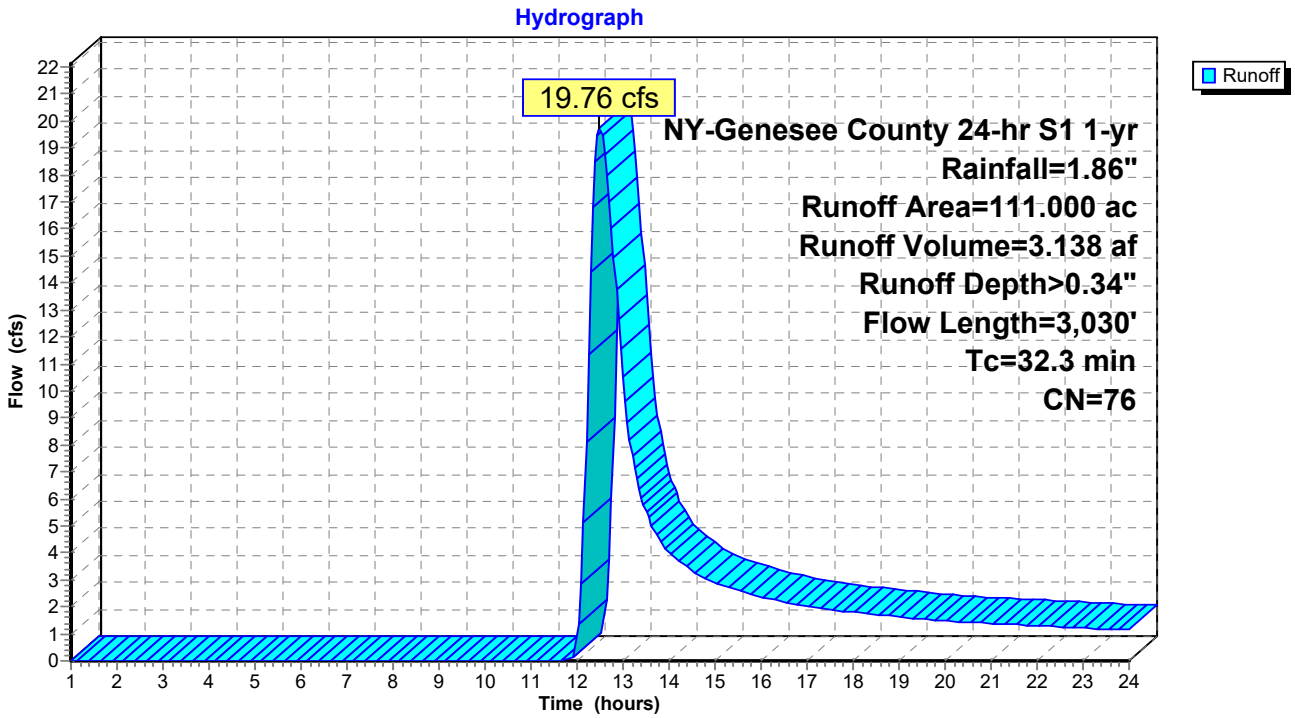
Runoff = 19.76 cfs @ 12.50 hrs, Volume= 3.138 af, Depth> 0.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	111.000	76	
	111.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.5	150	0.0500	0.15		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
14.0	2,350	0.0300	2.79		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	530		5.00		**Direct Entry,**
32.3	3,030	Total			

Subcatchment 16S: 16



Summary for Subcatchment 17S: 17

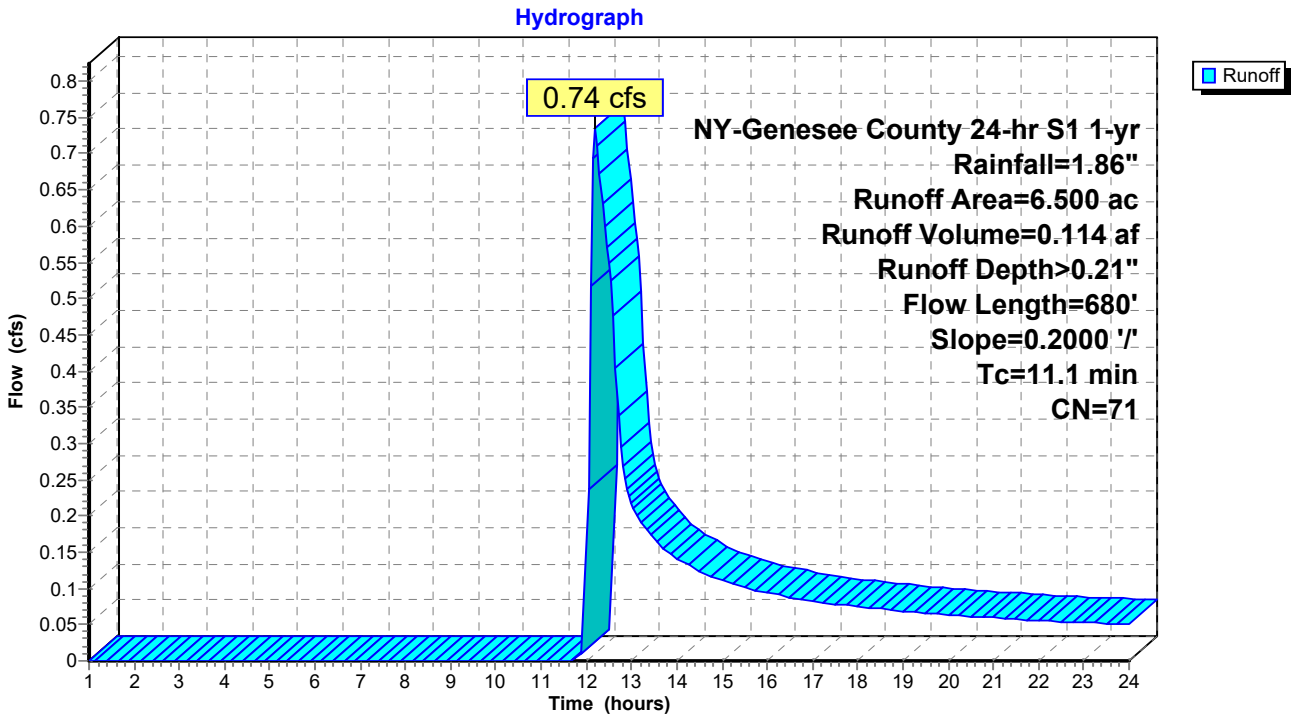
Runoff = 0.74 cfs @ 12.21 hrs, Volume= 0.114 af, Depth> 0.21"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	6.500	71	
	6.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
0.3	150	0.2000	7.20		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	380		5.00		**Direct Entry,**
11.1	680	Total			

Subcatchment 17S: 17



Summary for Subcatchment 18S: 18

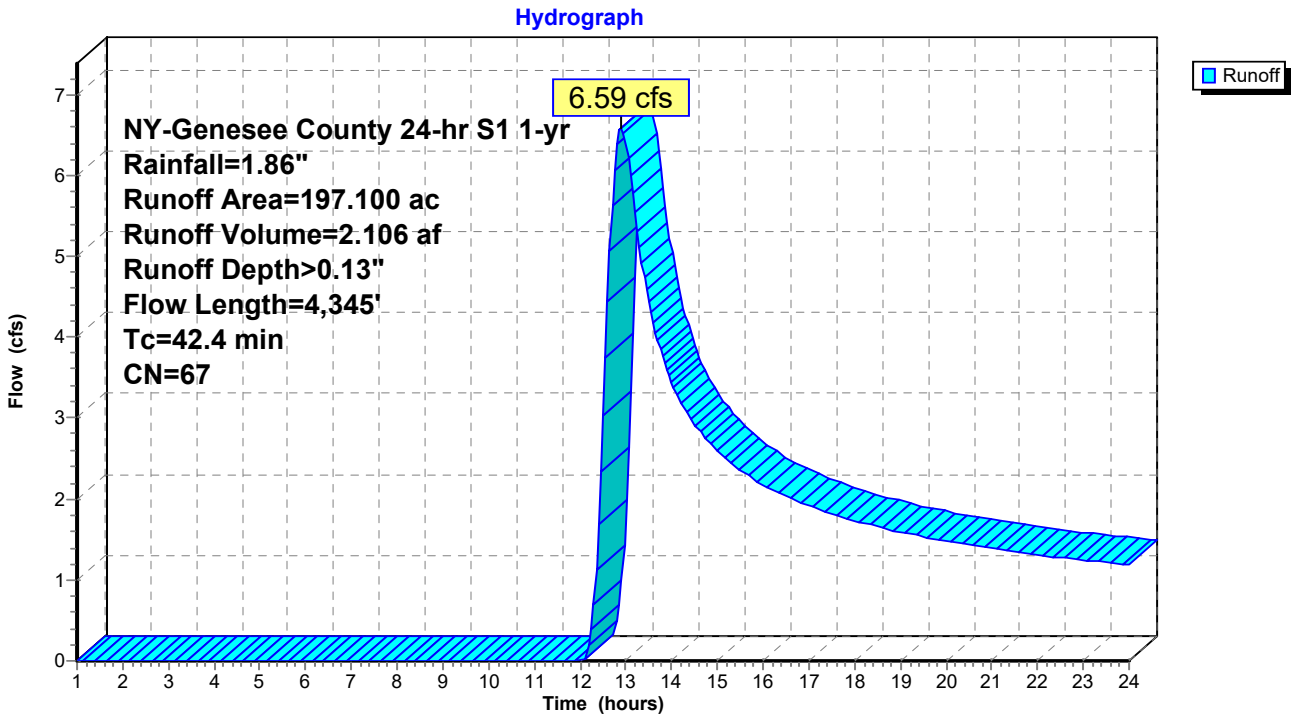
Runoff = 6.59 cfs @ 12.89 hrs, Volume= 2.106 af, Depth> 0.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	197.100	67	
	197.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.5	150	0.0330	0.13		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
16.3	2,225	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.6	1,970		5.00		**Direct Entry,**
42.4	4,345	Total			

Subcatchment 18S: 18



Summary for Subcatchment 19S: 19

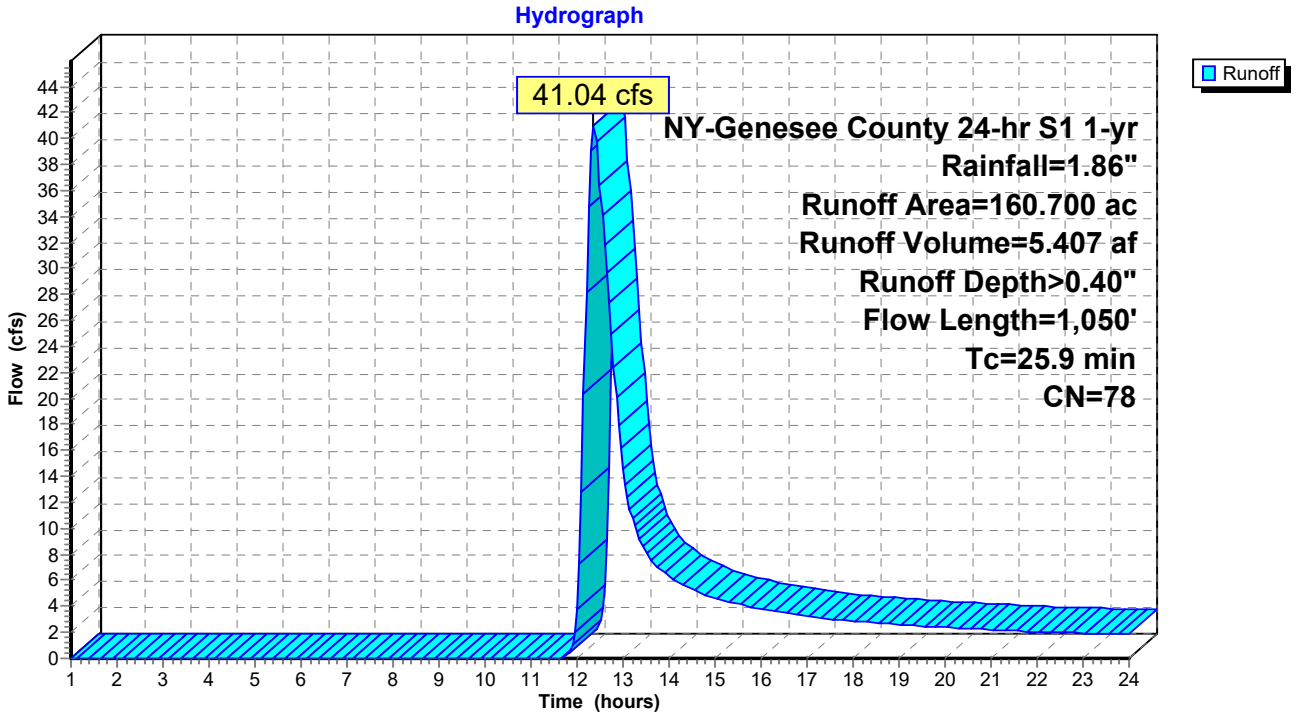
Runoff = 41.04 cfs @ 12.37 hrs, Volume= 5.407 af, Depth> 0.40"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	160.700	78	
	160.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.9	30	0.1500	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
3.1	900	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
25.9	1,050	Total			

Subcatchment 19S: 19



Summary for Subcatchment 20S: 20

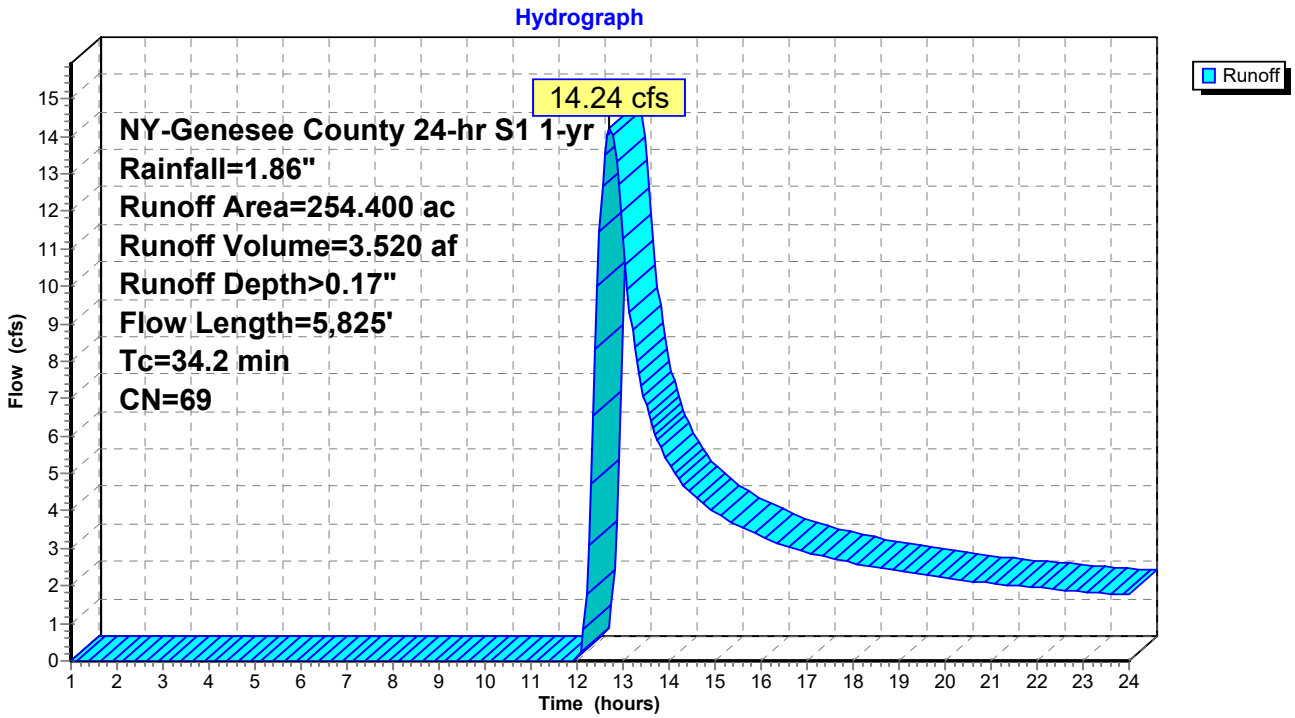
Runoff = 14.24 cfs @ 12.71 hrs, Volume= 3.520 af, Depth> 0.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	254.400	69	
	254.400		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	150	0.1000	0.20		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.8	1,500	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
13.9	4,175		5.00		**Direct Entry,**
34.2	5,825	Total			

Subcatchment 20S: 20



Summary for Subcatchment 21S: 21

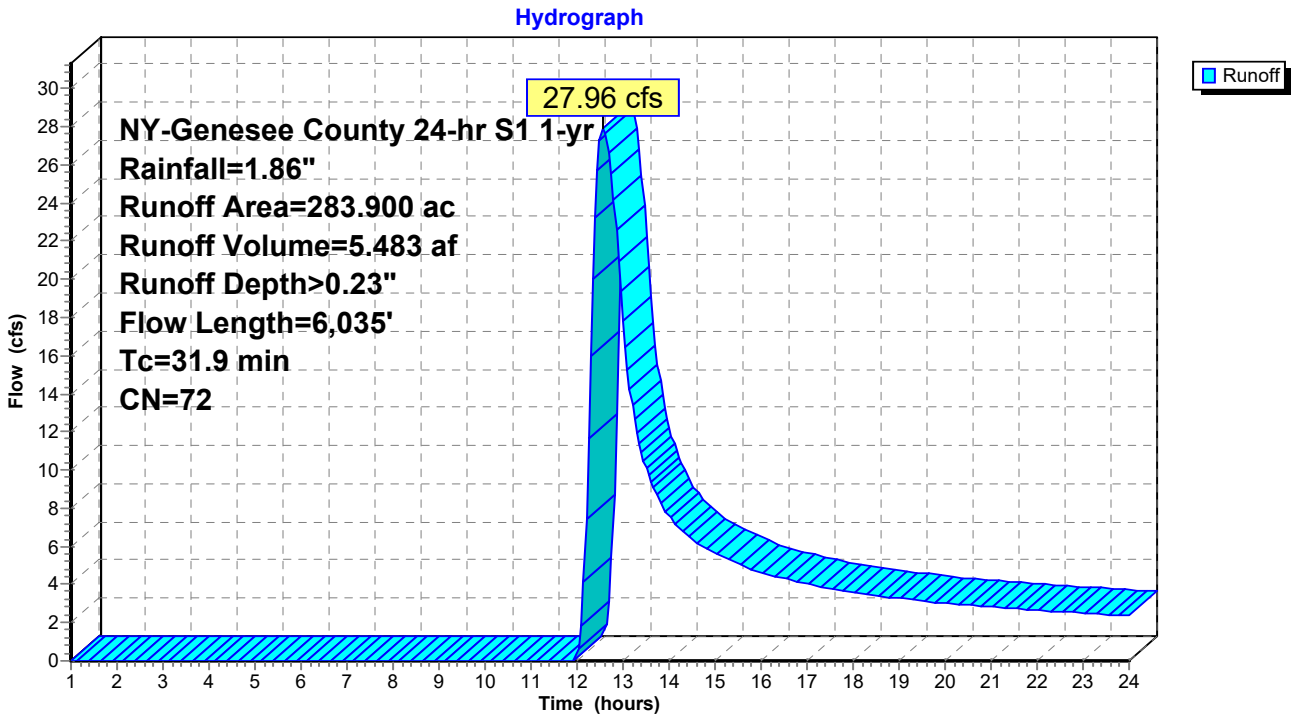
Runoff = 27.96 cfs @ 12.58 hrs, Volume= 5.483 af, Depth> 0.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	283.900	72	
	283.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.5	2,260	0.0750	4.41		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
12.1	3,625		5.00		**Direct Entry,**
31.9	6,035	Total			

Subcatchment 21S: 21



Summary for Subcatchment 22S: 22

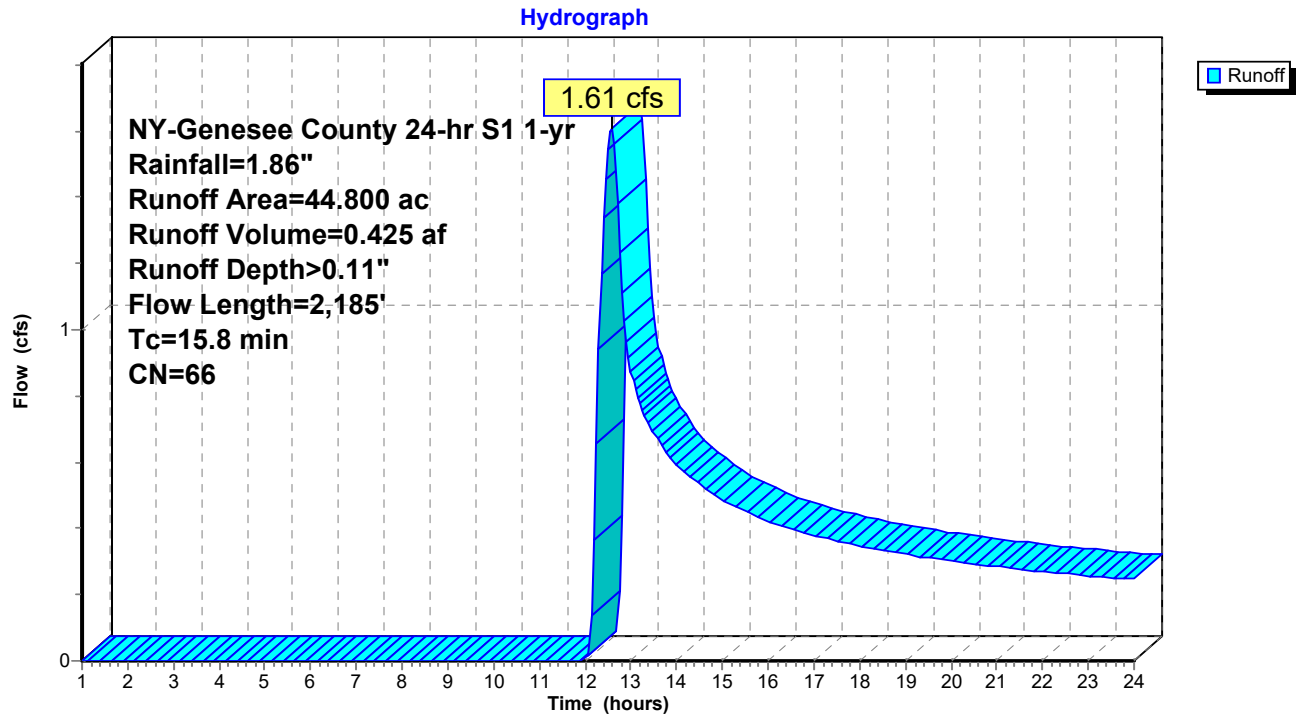
Runoff = 1.61 cfs @ 12.58 hrs, Volume= 0.425 af, Depth> 0.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	44.800	66	
	44.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.0	460	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
5.2	1,575		5.00		**Direct Entry,**
15.8	2,185	Total			

Subcatchment 22S: 22



Summary for Subcatchment 23S: 23

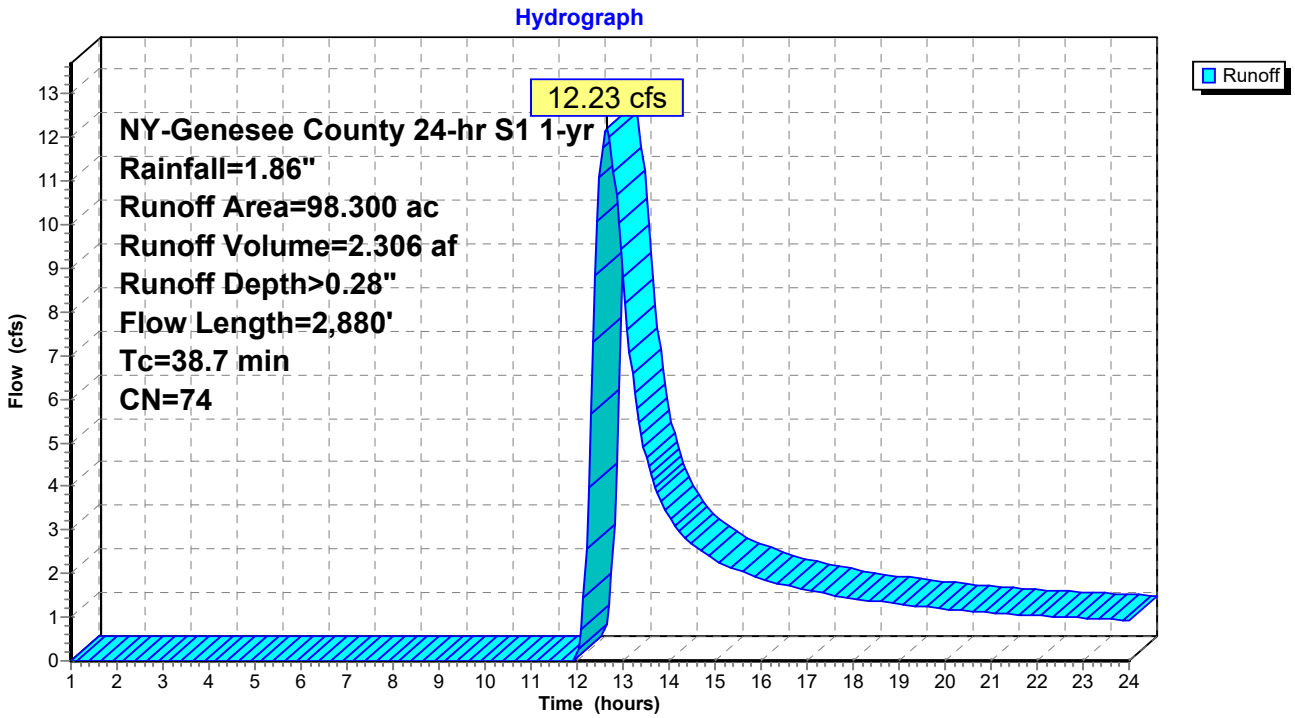
Runoff = 12.23 cfs @ 12.64 hrs, Volume= 2.306 af, Depth> 0.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	98.300	74	
	98.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
11.8	1,800	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
3.1	930		5.00		**Direct Entry,**
38.7	2,880	Total			

Subcatchment 23S: 23



Summary for Subcatchment 24S: 24

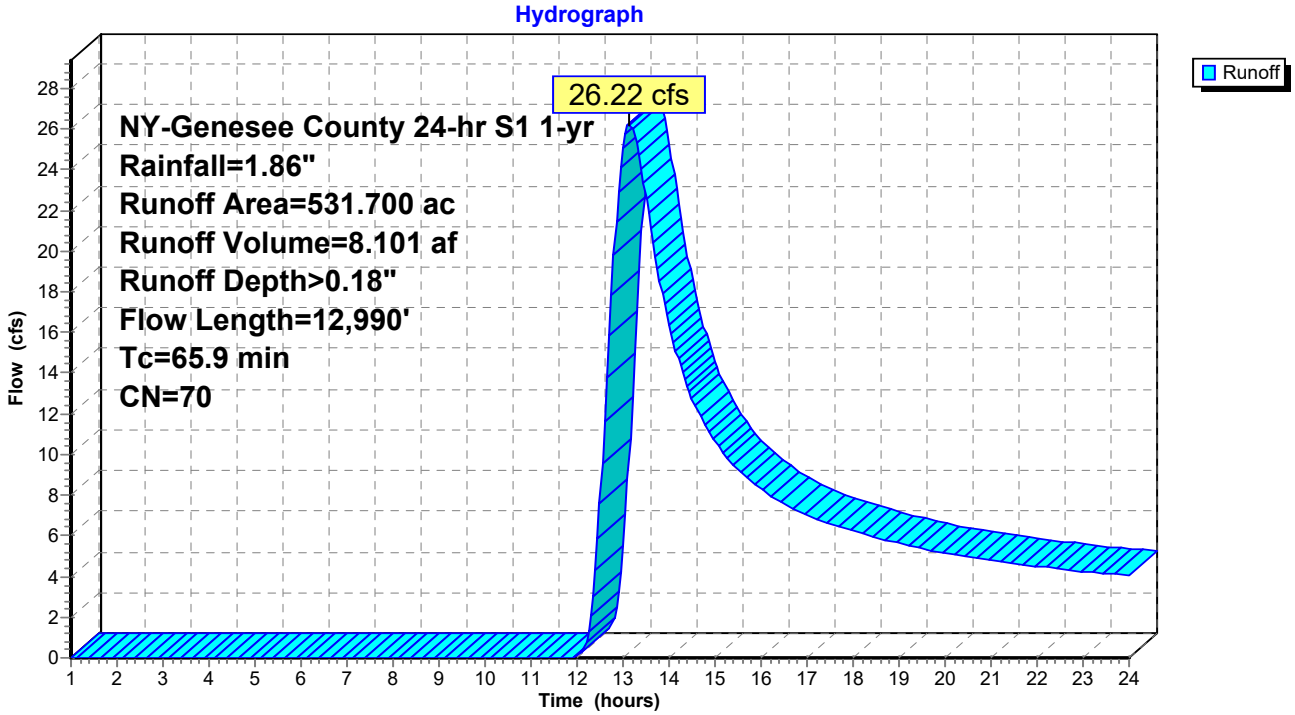
Runoff = 26.22 cfs @ 13.14 hrs, Volume= 8.101 af, Depth> 0.18"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	531.700	70	
	531.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.7	150	0.0670	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
12.4	1,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
38.8	11,640		5.00		**Direct Entry,**
65.9	12,990	Total			

Subcatchment 24S: 24



Summary for Subcatchment 25S: 25

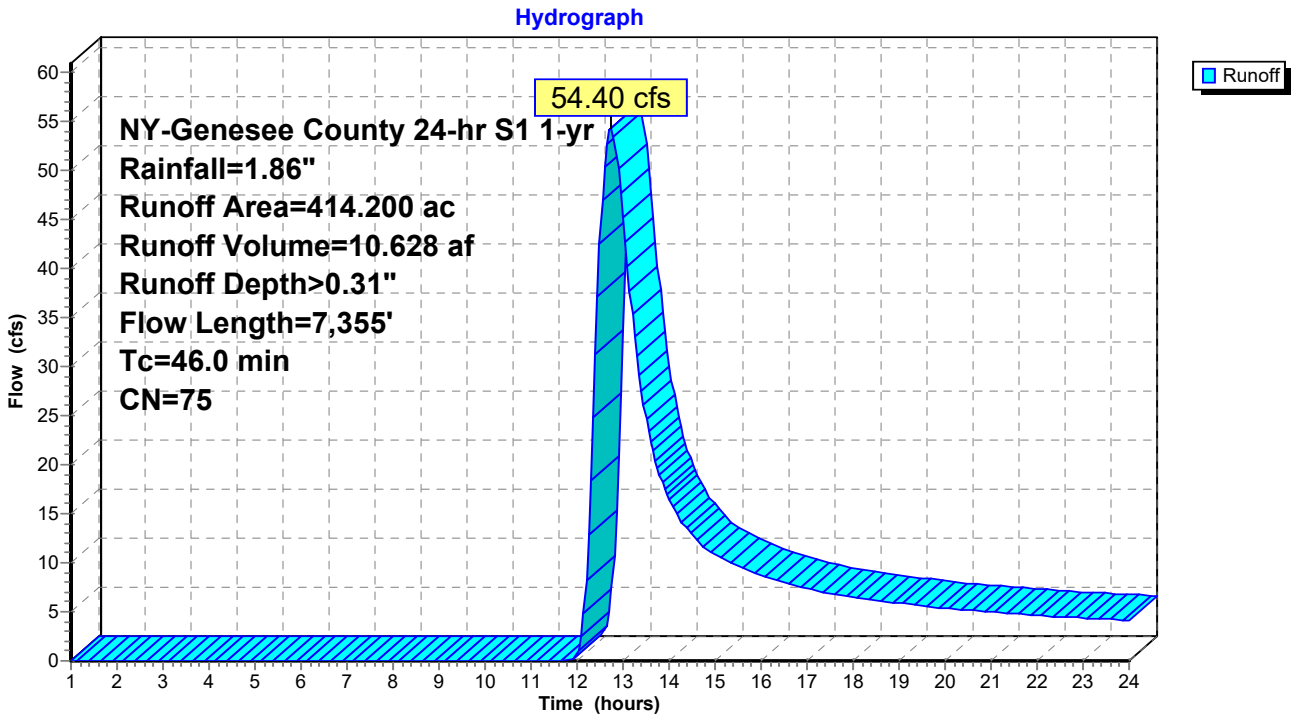
Runoff = 54.40 cfs @ 12.74 hrs, Volume= 10.628 af, Depth> 0.31"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	414.200	75	
	414.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.0	150	0.0400	0.14		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.1	1,230	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
19.9	5,975		5.00		**Direct Entry,**
46.0	7,355	Total			

Subcatchment 25S: 25



Summary for Subcatchment 26S: 26

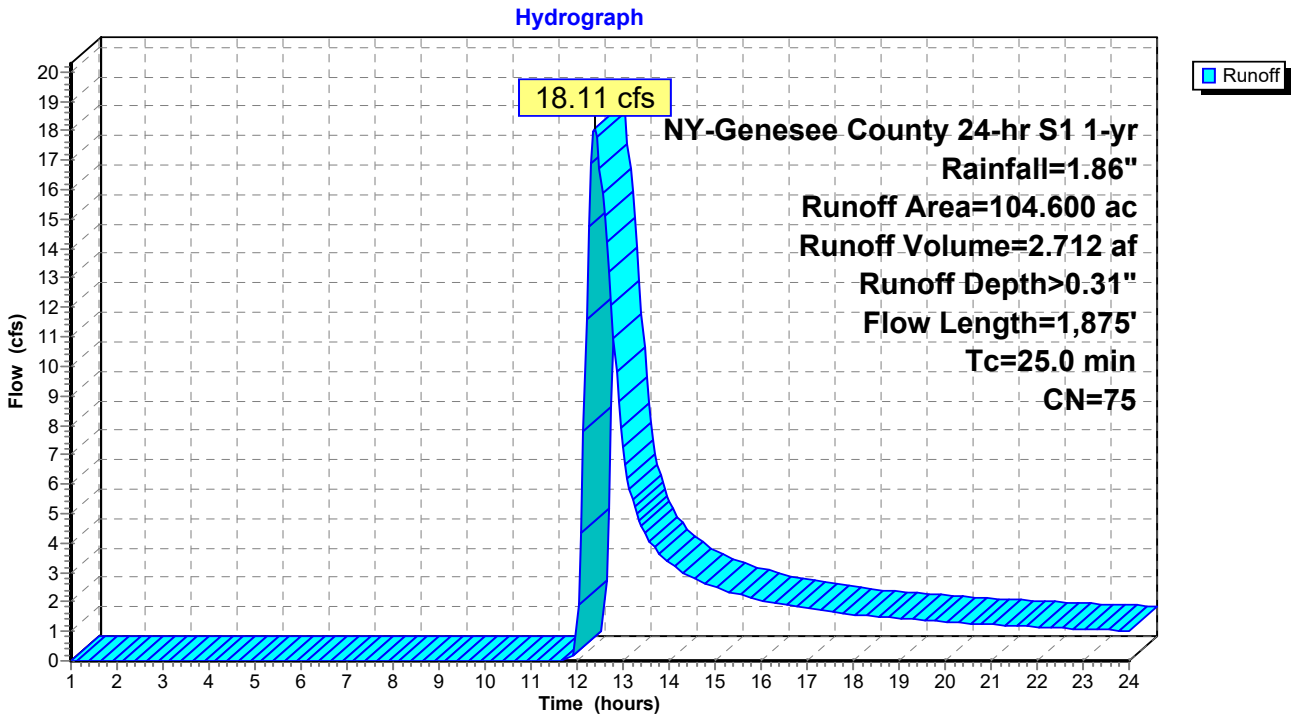
Runoff = 18.11 cfs @ 12.38 hrs, Volume= 2.712 af, Depth> 0.31"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	104.600	75	
	104.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.3	150	0.0600	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.2	980	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
2.5	745		5.00		**Direct Entry,**
25.0	1,875	Total			

Subcatchment 26S: 26



Summary for Subcatchment 27S: 27

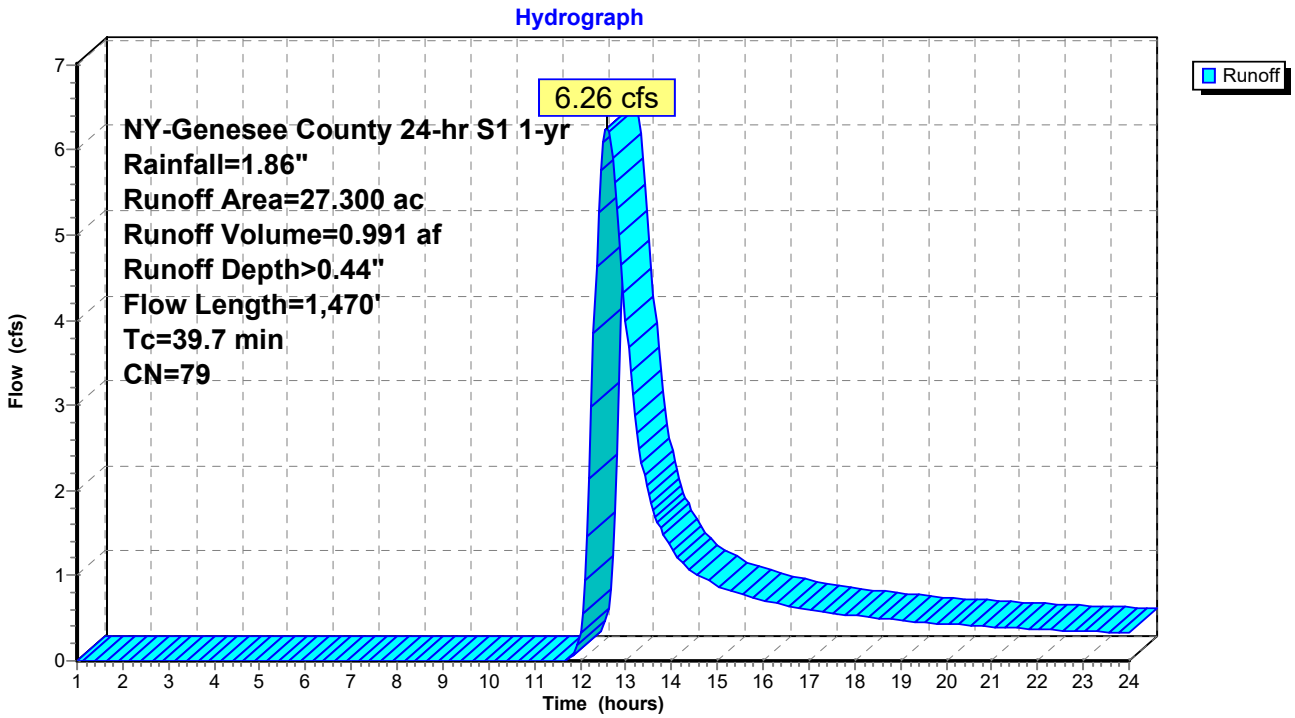
Runoff = 6.26 cfs @ 12.58 hrs, Volume= 0.991 af, Depth> 0.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	27.300	79	
	27.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	770	0.0150	1.97		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	550		5.00		**Direct Entry,**
39.7	1,470	Total			

Subcatchment 27S: 27



Summary for Subcatchment 28S: 28

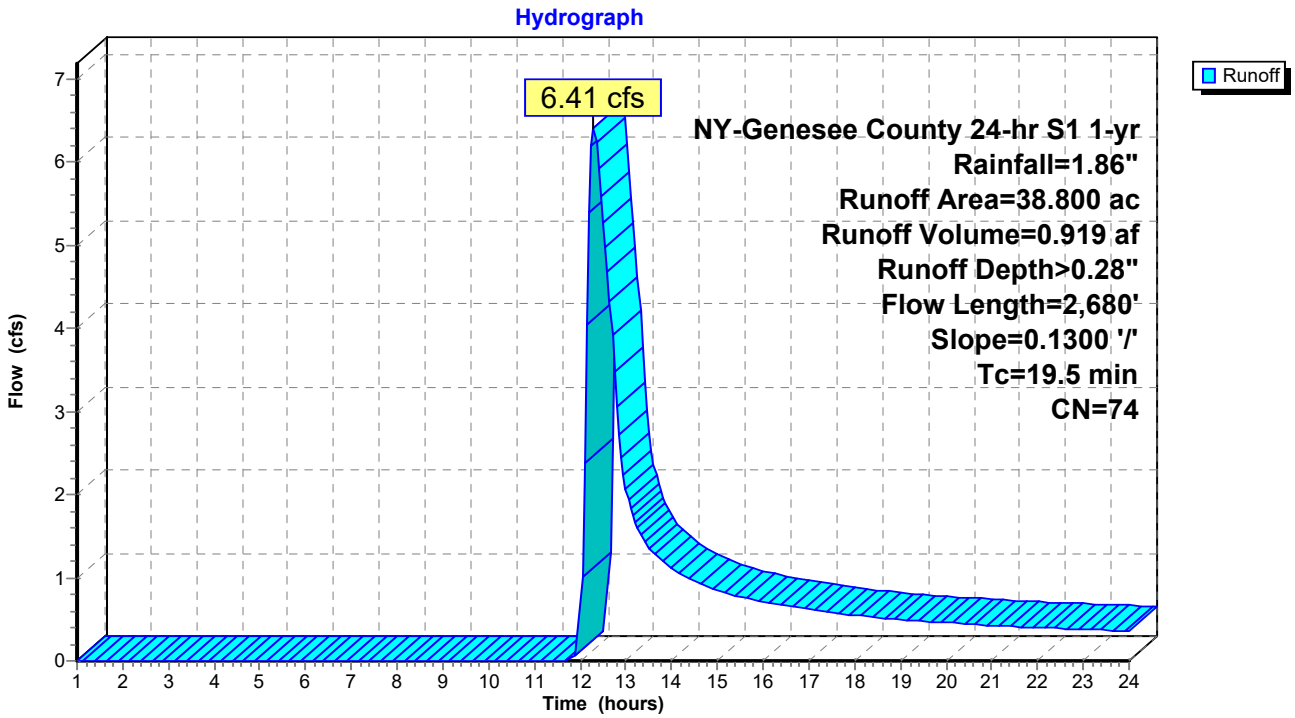
Runoff = 6.41 cfs @ 12.30 hrs, Volume= 0.919 af, Depth> 0.28"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	38.800	74	
	38.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.8	620	0.1300	5.80		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.4	1,910		5.00		**Direct Entry,**
19.5	2,680	Total			

Subcatchment 28S: 28



Summary for Subcatchment 29S: 29

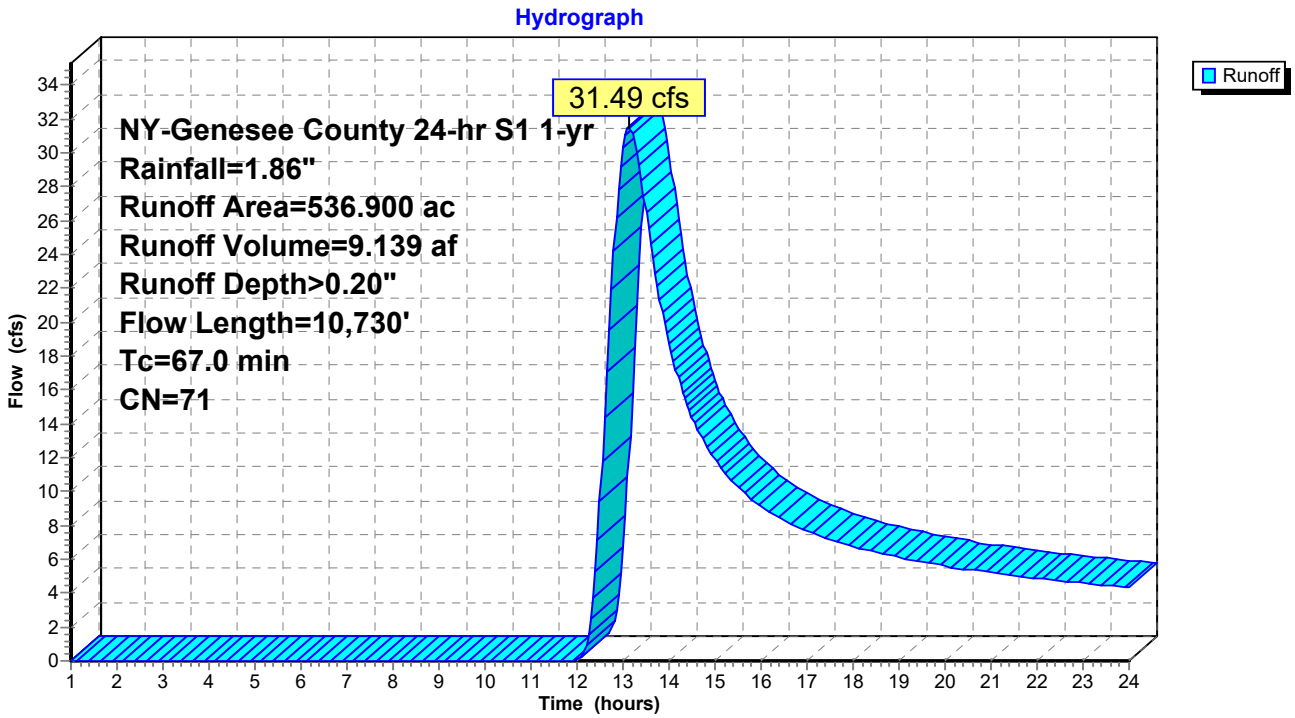
Runoff = 31.49 cfs @ 13.14 hrs, Volume= 9.139 af, Depth> 0.20"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	536.900	71	
	536.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	700	0.0700	4.26		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
32.9	9,880		5.00		**Direct Entry,**
67.0	10,730	Total			

Subcatchment 29S: 29



Summary for Subcatchment 30S: 30

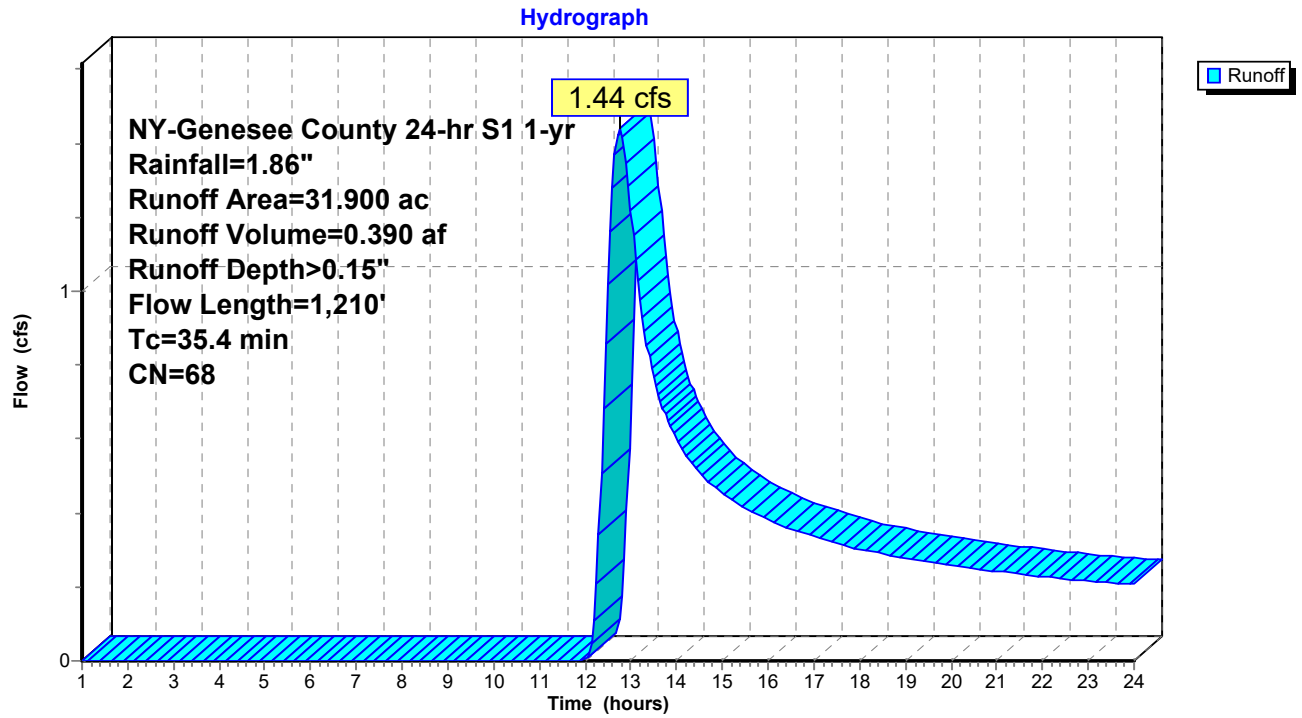
Runoff = 1.44 cfs @ 12.76 hrs, Volume= 0.390 af, Depth> 0.15"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	31.900	68	
	31.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	670	0.0670	4.17		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	390		5.00		**Direct Entry,**
35.4	1,210	Total			

Subcatchment 30S: 30



Summary for Subcatchment 44S: 16.1

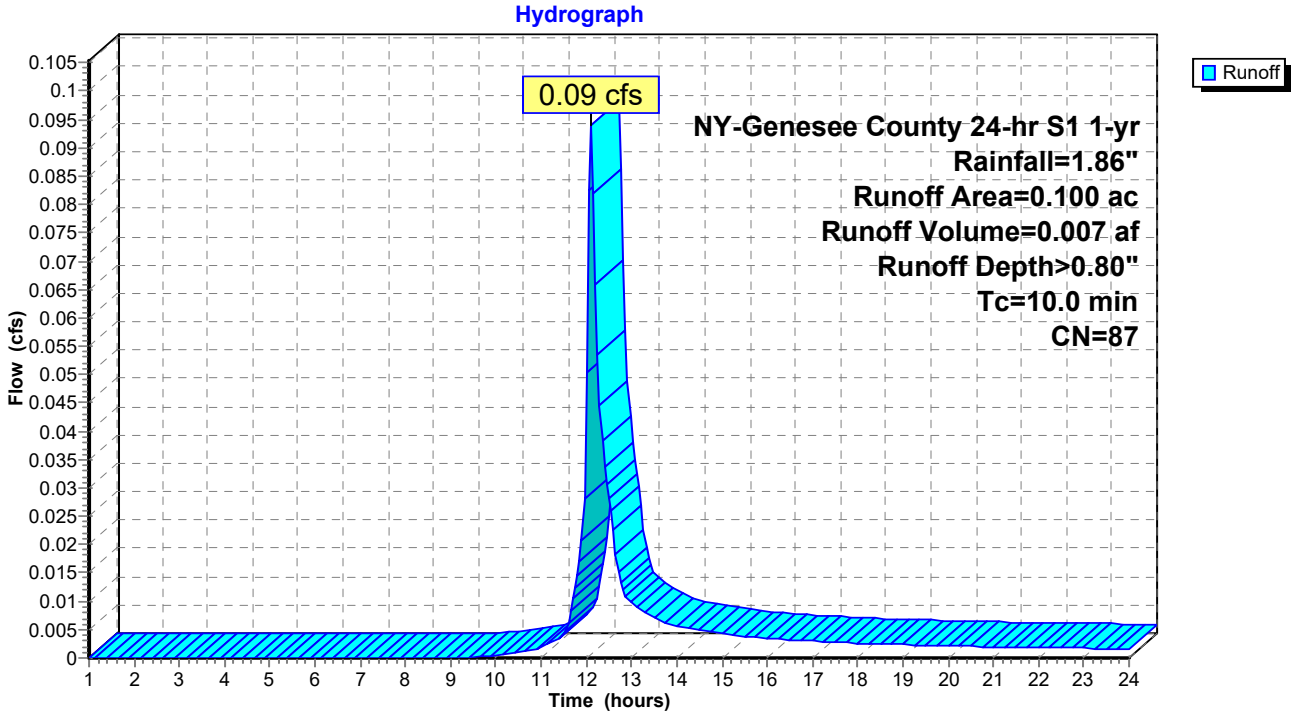
Runoff = 0.09 cfs @ 12.10 hrs, Volume= 0.007 af, Depth> 0.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	0.100	87	
	0.100		100.00% Pervious Area

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

Subcatchment 44S: 16.1



Summary for Subcatchment 45S: 18.1

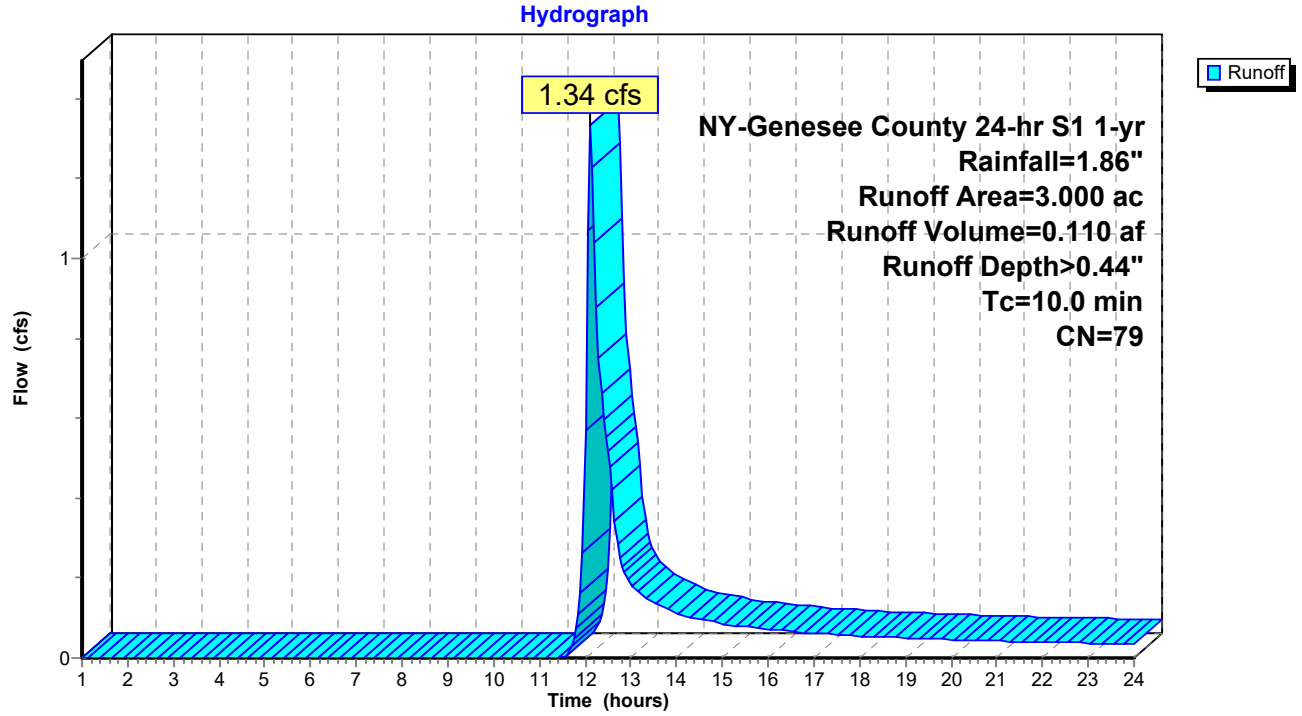
Runoff = 1.34 cfs @ 12.11 hrs, Volume= 0.110 af, Depth> 0.44"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	3.000	79	
	3.000		100.00% Pervious Area

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

Subcatchment 45S: 18.1



Summary for Subcatchment 46S: 19.1

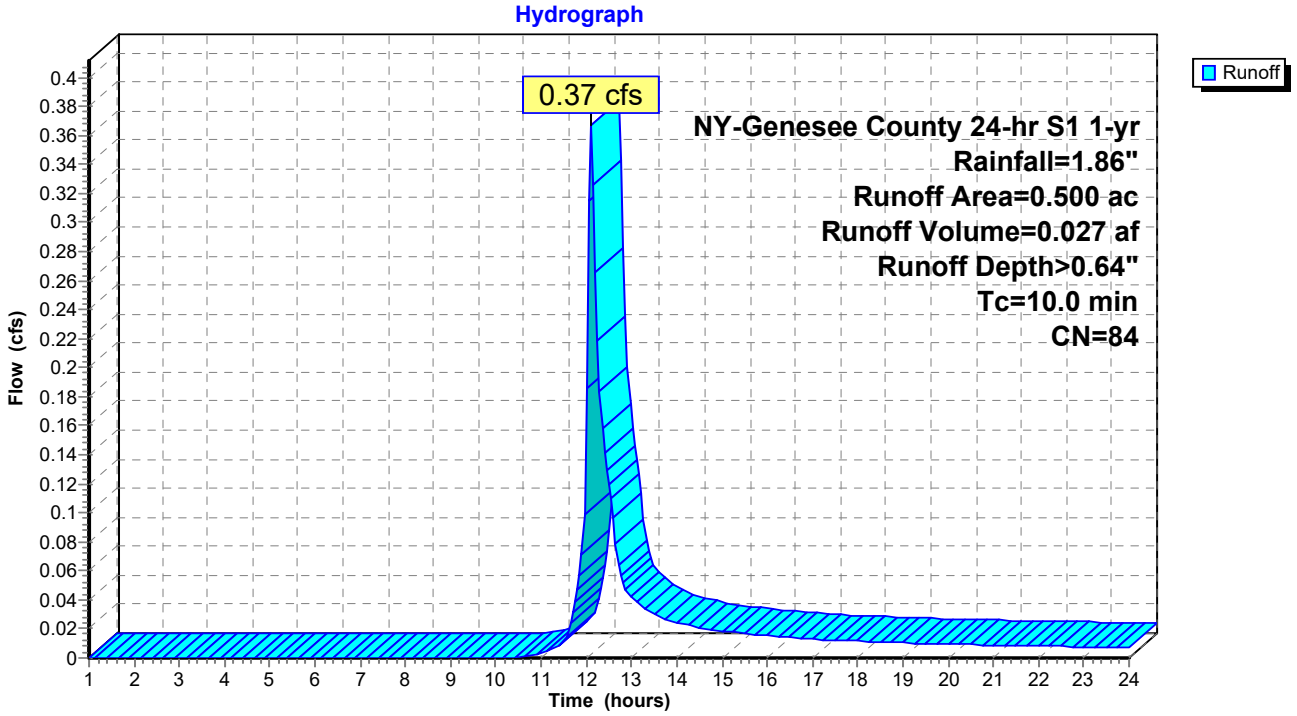
Runoff = 0.37 cfs @ 12.10 hrs, Volume= 0.027 af, Depth> 0.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	0.500	84	
	0.500		100.00% Pervious Area

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

Subcatchment 46S: 19.1



Summary for Subcatchment 47S: 21.1

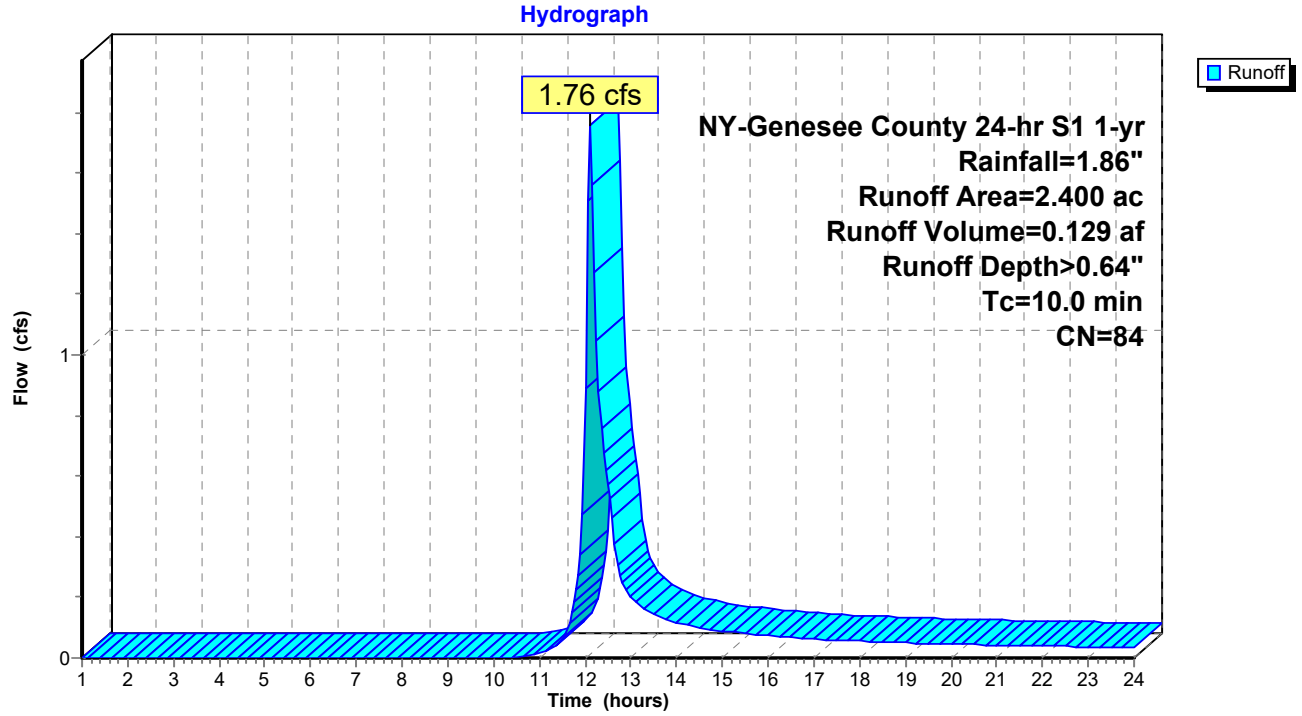
Runoff = 1.76 cfs @ 12.10 hrs, Volume= 0.129 af, Depth> 0.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	2.400	84	
	2.400		100.00% Pervious Area

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

Subcatchment 47S: 21.1



Summary for Subcatchment 48S: 23.1

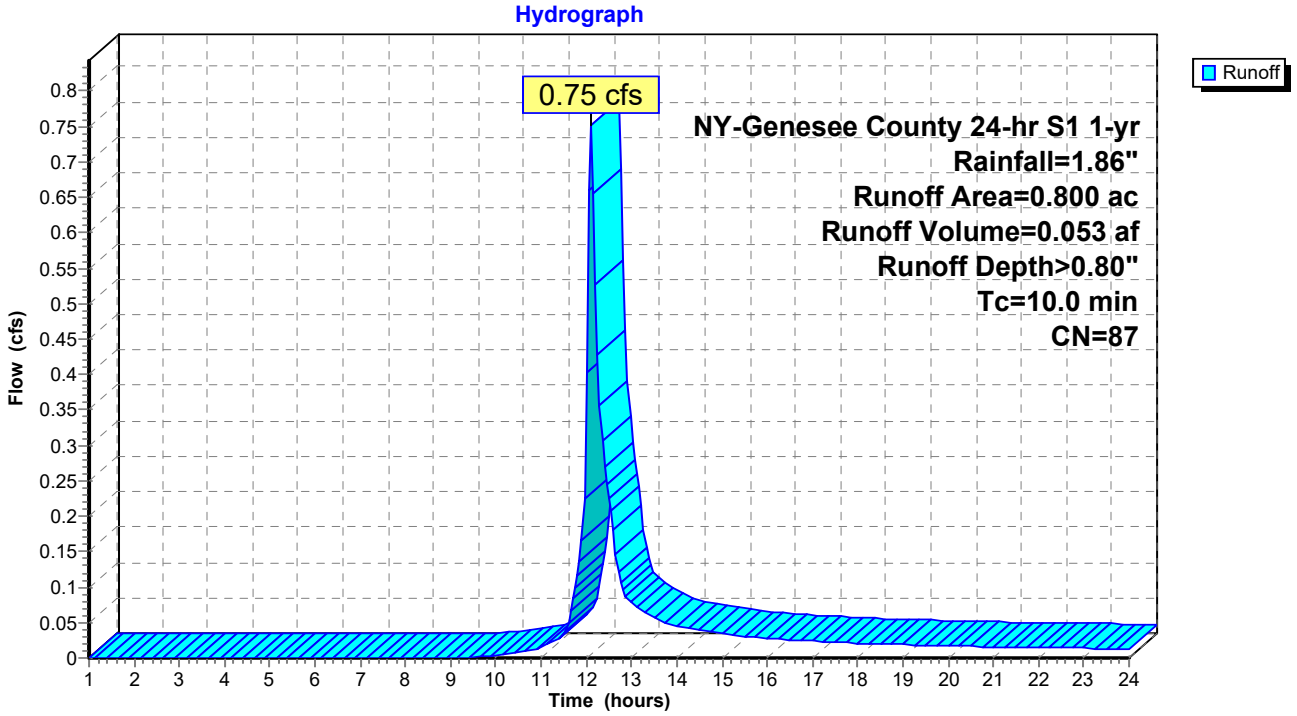
Runoff = 0.75 cfs @ 12.10 hrs, Volume= 0.053 af, Depth> 0.80"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	0.800	87	
	0.800		100.00% Pervious Area

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

Subcatchment 48S: 23.1



Summary for Subcatchment 49S: 24.1

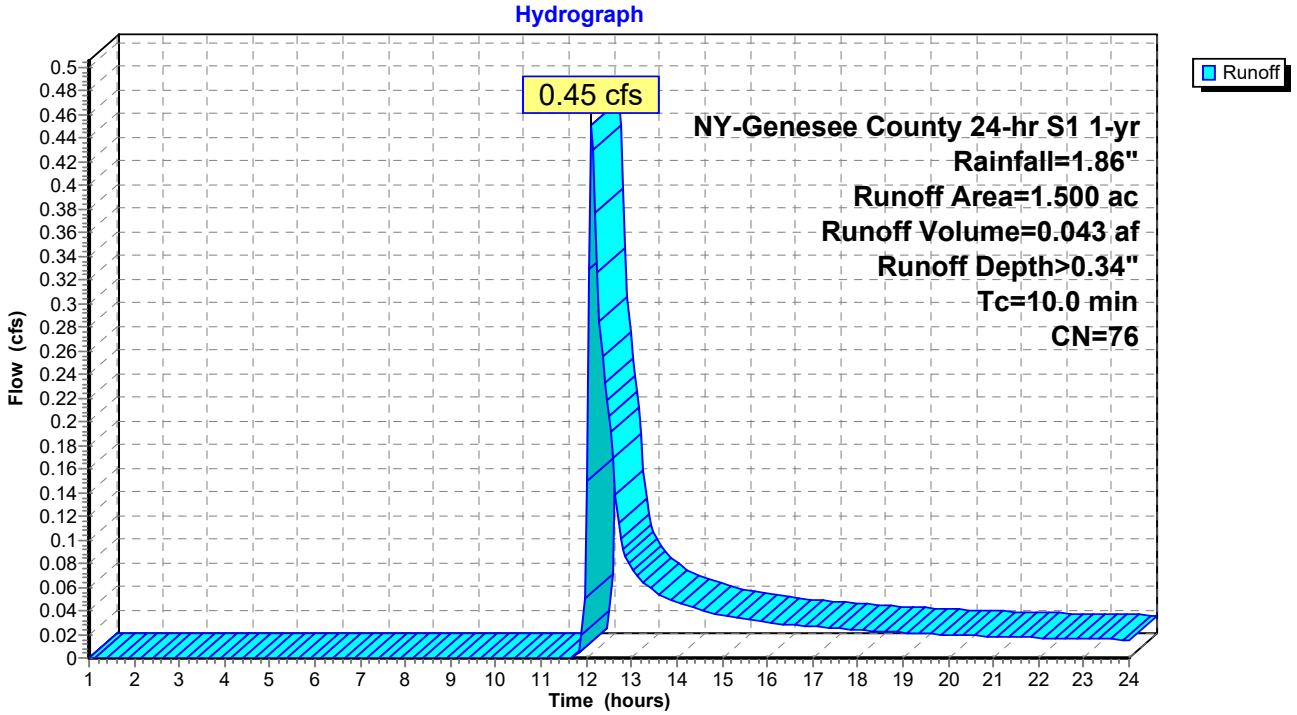
Runoff = 0.45 cfs @ 12.12 hrs, Volume= 0.043 af, Depth> 0.34"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	1.500	76	
	1.500		100.00% Pervious Area

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

Subcatchment 49S: 24.1



Summary for Subcatchment 50S: 25.1

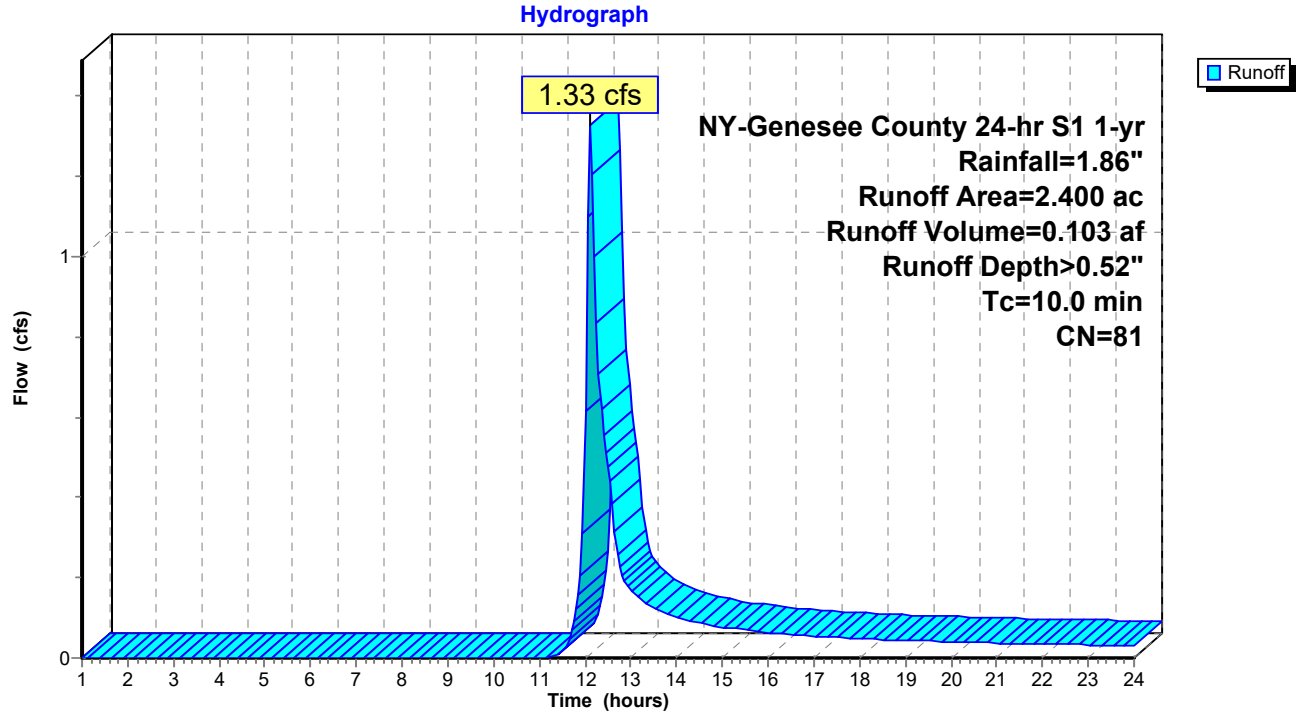
Runoff = 1.33 cfs @ 12.11 hrs, Volume= 0.103 af, Depth> 0.52"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	2.400	81	
	2.400		100.00% Pervious Area

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

Subcatchment 50S: 25.1



Summary for Subcatchment 51S: 26.1

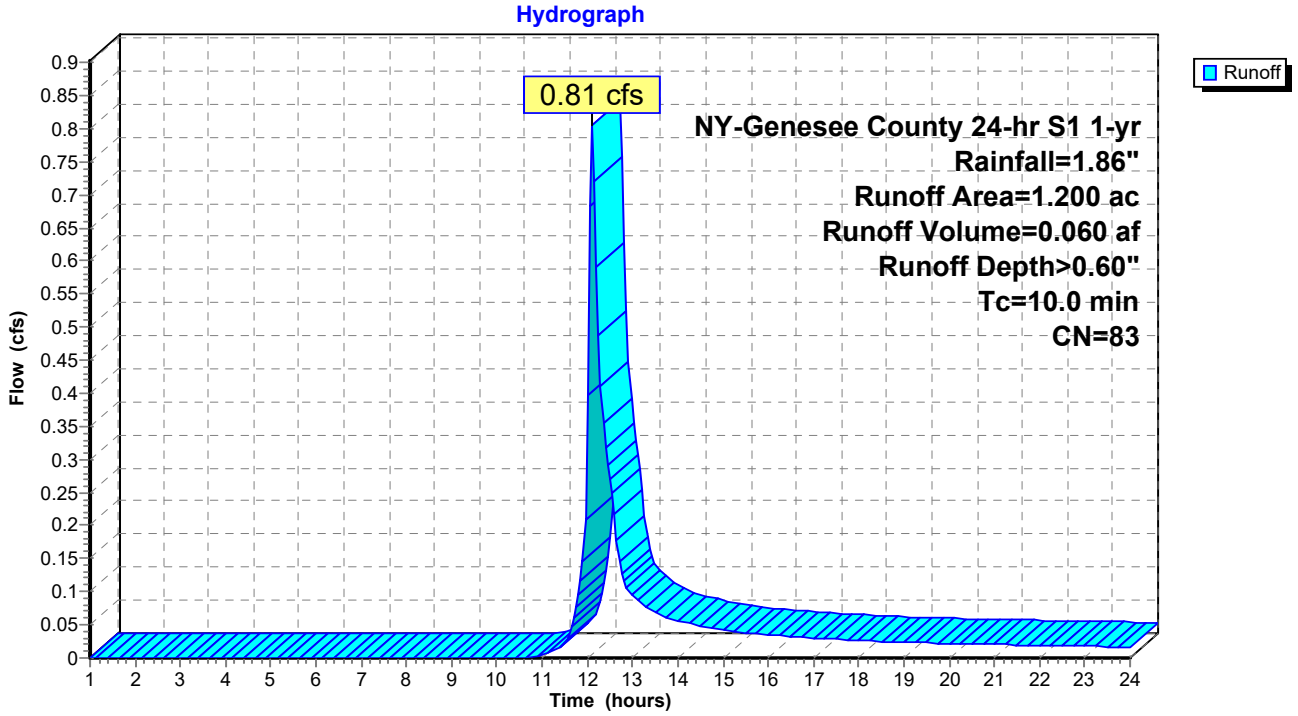
Runoff = 0.81 cfs @ 12.10 hrs, Volume= 0.060 af, Depth> 0.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	1.200	83	
	1.200		100.00% Pervious Area

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

Subcatchment 51S: 26.1



Summary for Subcatchment 52S: 27.1

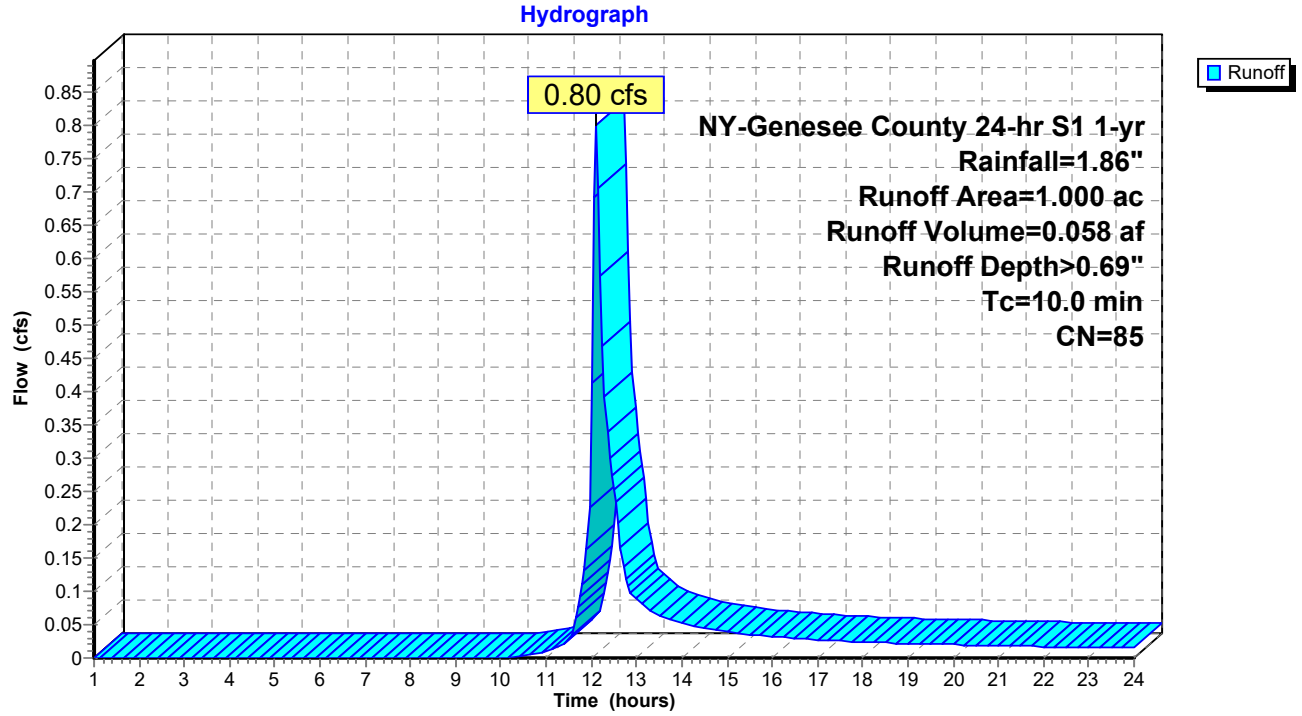
Runoff = 0.80 cfs @ 12.10 hrs, Volume= 0.058 af, Depth> 0.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	1.000	85	
	1.000		100.00% Pervious Area

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

Subcatchment 52S: 27.1



Summary for Subcatchment 53S: 28.1

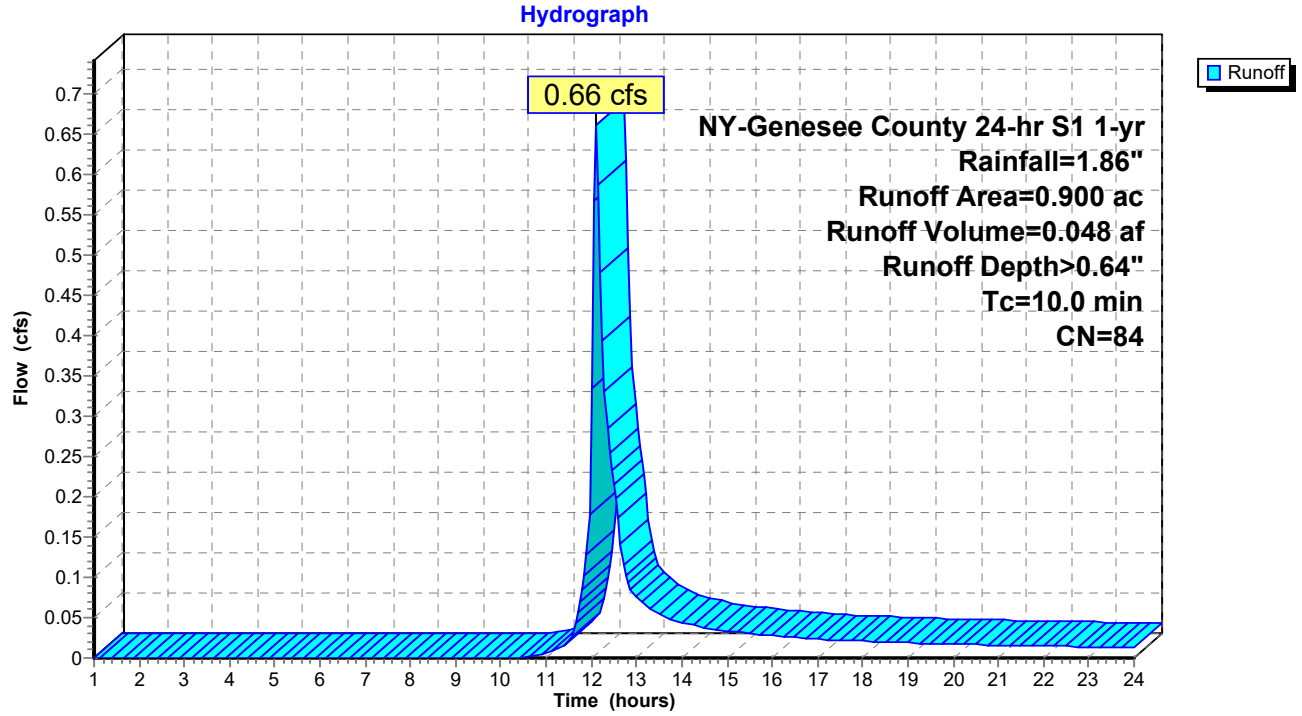
Runoff = 0.66 cfs @ 12.10 hrs, Volume= 0.048 af, Depth> 0.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	0.900	84	
	0.900		100.00% Pervious Area

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

Subcatchment 53S: 28.1



Summary for Subcatchment 54S: 29.1

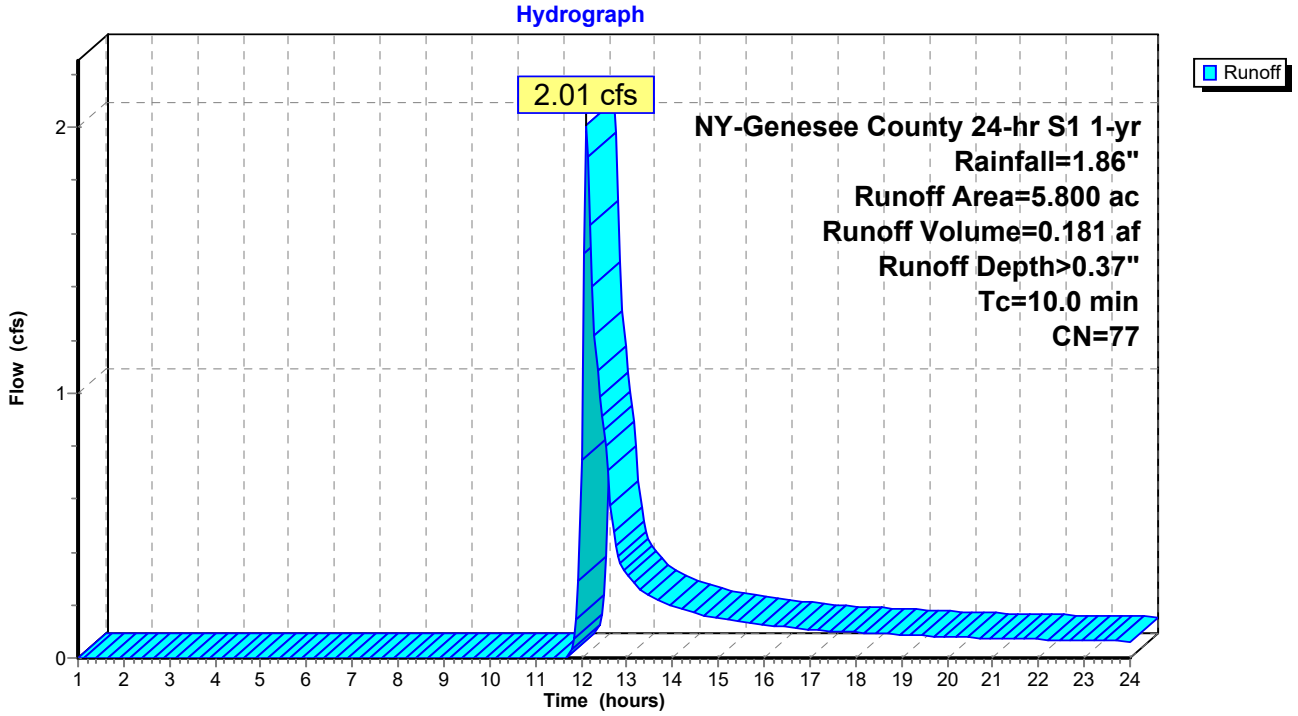
Runoff = 2.01 cfs @ 12.12 hrs, Volume= 0.181 af, Depth> 0.37"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 1-yr Rainfall=1.86"

	Area (ac)	CN	Description
*	5.800	77	
	5.800		100.00% Pervious Area

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

Subcatchment 54S: 29.1



Summary for Pond 16P: Dry Swale 16

Inflow Area = 0.100 ac, 0.00% Impervious, Inflow Depth > 0.80" for 1-yr event
Inflow = 0.09 cfs @ 12.10 hrs, Volume= 0.007 af
Outflow = 0.01 cfs @ 13.14 hrs, Volume= 0.007 af, Atten= 91%, Lag= 62.4 min
Discarded = 0.01 cfs @ 13.14 hrs, Volume= 0.007 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.19' @ 13.14 hrs Surf.Area= 0.017 ac Storage= 0.003 af

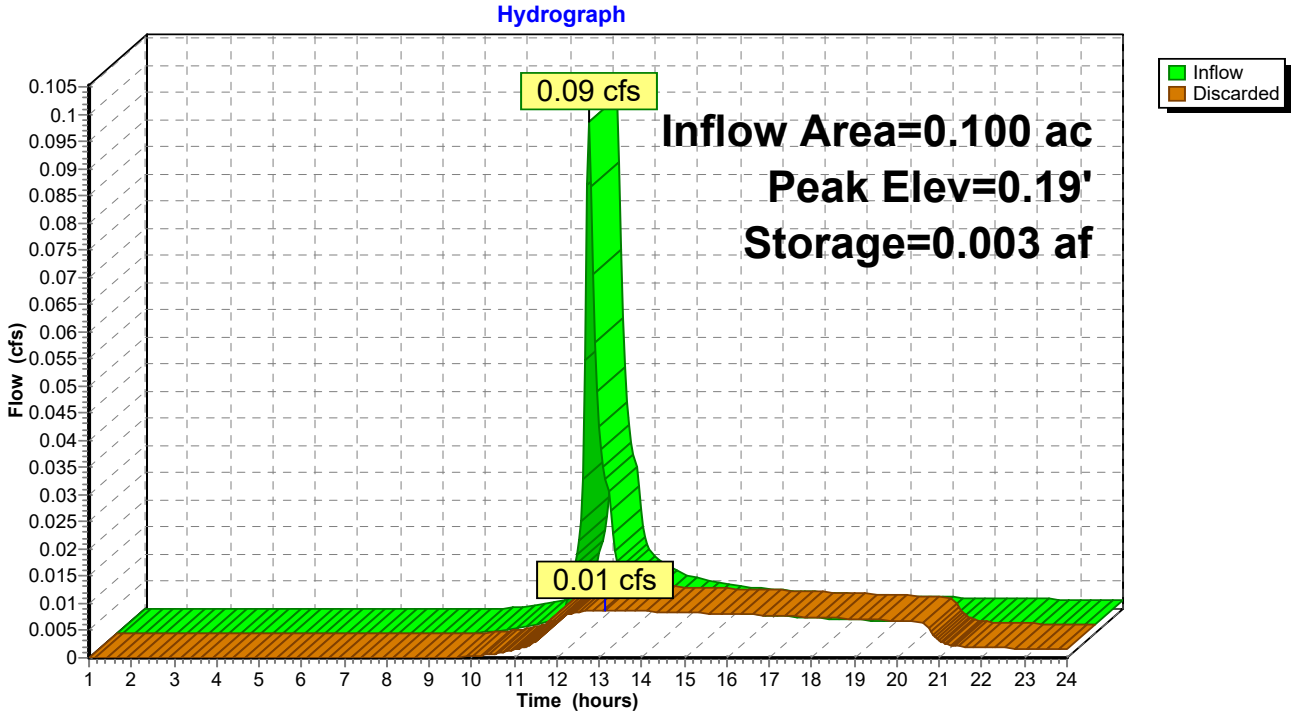
Plug-Flow detention time= 134.5 min calculated for 0.007 af (99% of inflow)
Center-of-Mass det. time= 131.4 min (985.1 - 853.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.023 af	**4.00'W x 140.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.01 cfs @ 13.14 hrs HW=0.19' (Free Discharge)
1=Exfiltration (Controls 0.01 cfs)

Pond 16P: Dry Swale 16



Summary for Pond 18P: Dry Swale 18

Inflow Area = 3.000 ac, 0.00% Impervious, Inflow Depth > 0.44" for 1-yr event
Inflow = 1.34 cfs @ 12.11 hrs, Volume= 0.110 af
Outflow = 0.23 cfs @ 12.80 hrs, Volume= 0.110 af, Atten= 83%, Lag= 41.6 min
Discarded = 0.23 cfs @ 12.80 hrs, Volume= 0.110 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.08' @ 12.80 hrs Surf.Area= 0.446 ac Storage= 0.033 af

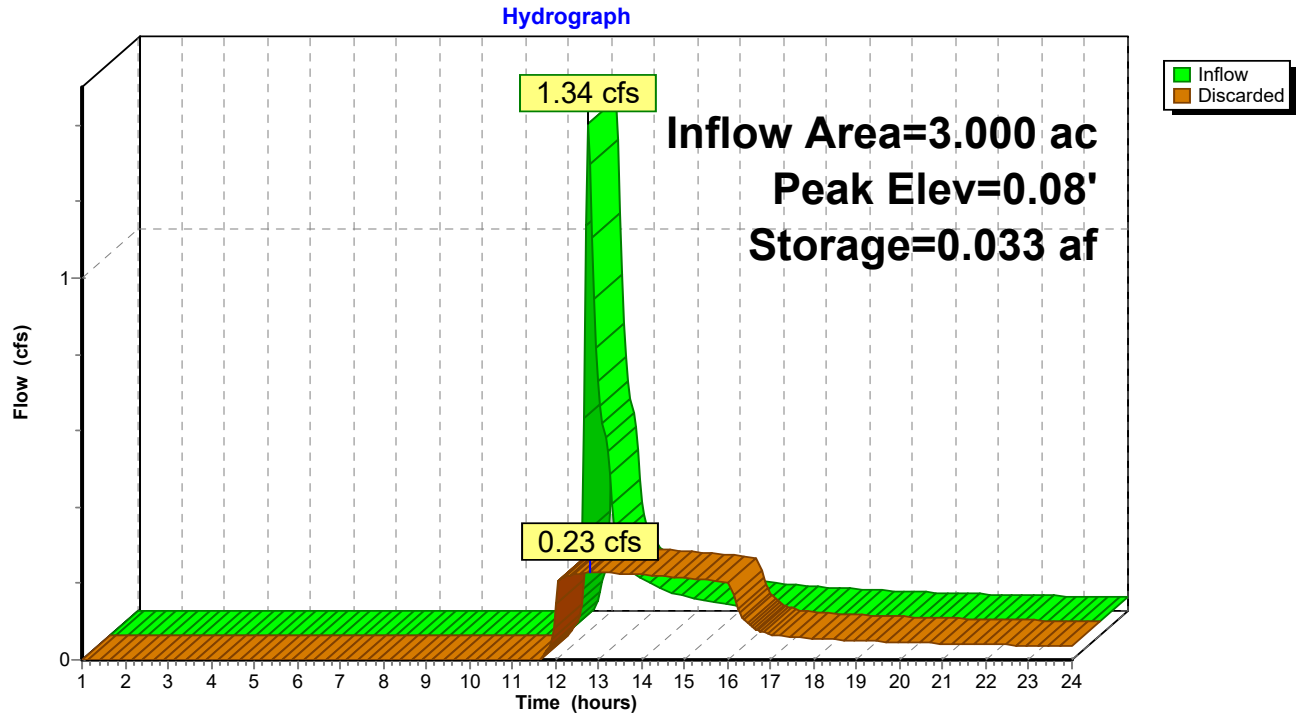
Plug-Flow detention time= 52.2 min calculated for 0.110 af (99% of inflow)
Center-of-Mass det. time= 48.7 min (940.8 - 892.0)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.700 af	**4.00'W x 4,350.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.23 cfs @ 12.80 hrs HW=0.08' (Free Discharge)
1=Exfiltration (Controls 0.23 cfs)

Pond 18P: Dry Swale 18



Summary for Pond 19P: Dry Swale 19

Inflow Area = 0.500 ac, 0.00% Impervious, Inflow Depth > 0.64" for 1-yr event
Inflow = 0.37 cfs @ 12.10 hrs, Volume= 0.027 af
Outflow = 0.04 cfs @ 12.99 hrs, Volume= 0.027 af, Atten= 89%, Lag= 53.3 min
Discarded = 0.04 cfs @ 12.99 hrs, Volume= 0.027 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.14' @ 12.99 hrs Surf.Area= 0.080 ac Storage= 0.010 af

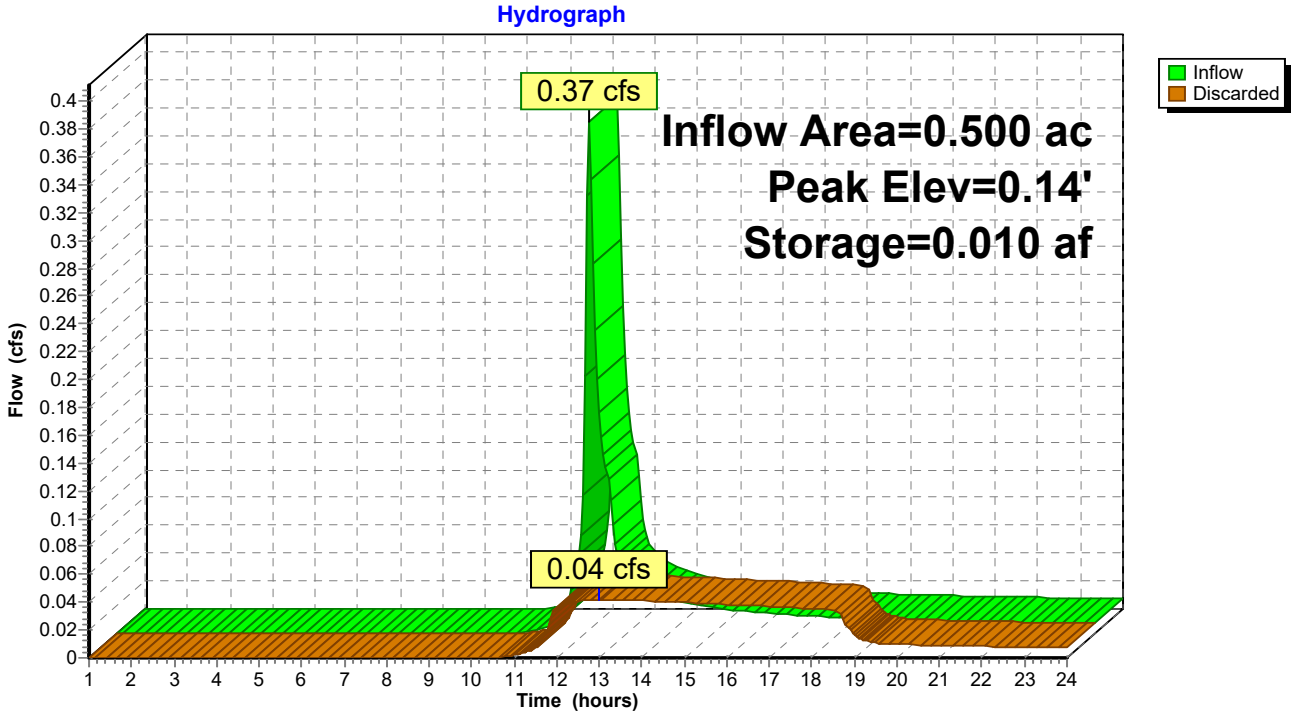
Plug-Flow detention time= 97.1 min calculated for 0.027 af (99% of inflow)
Center-of-Mass det. time= 94.1 min (961.9 - 867.9)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.117 af	**4.00'W x 725.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.04 cfs @ 12.99 hrs HW=0.14' (Free Discharge)
1=Exfiltration (Controls 0.04 cfs)

Pond 19P: Dry Swale 19



Summary for Pond 21P: Dry Swale 21

Inflow Area = 2.400 ac, 0.00% Impervious, Inflow Depth > 0.64" for 1-yr event
Inflow = 1.76 cfs @ 12.10 hrs, Volume= 0.129 af
Outflow = 0.20 cfs @ 12.99 hrs, Volume= 0.128 af, Atten= 89%, Lag= 53.4 min
Discarded = 0.20 cfs @ 12.99 hrs, Volume= 0.128 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.14' @ 12.99 hrs Surf.Area= 0.386 ac Storage= 0.049 af

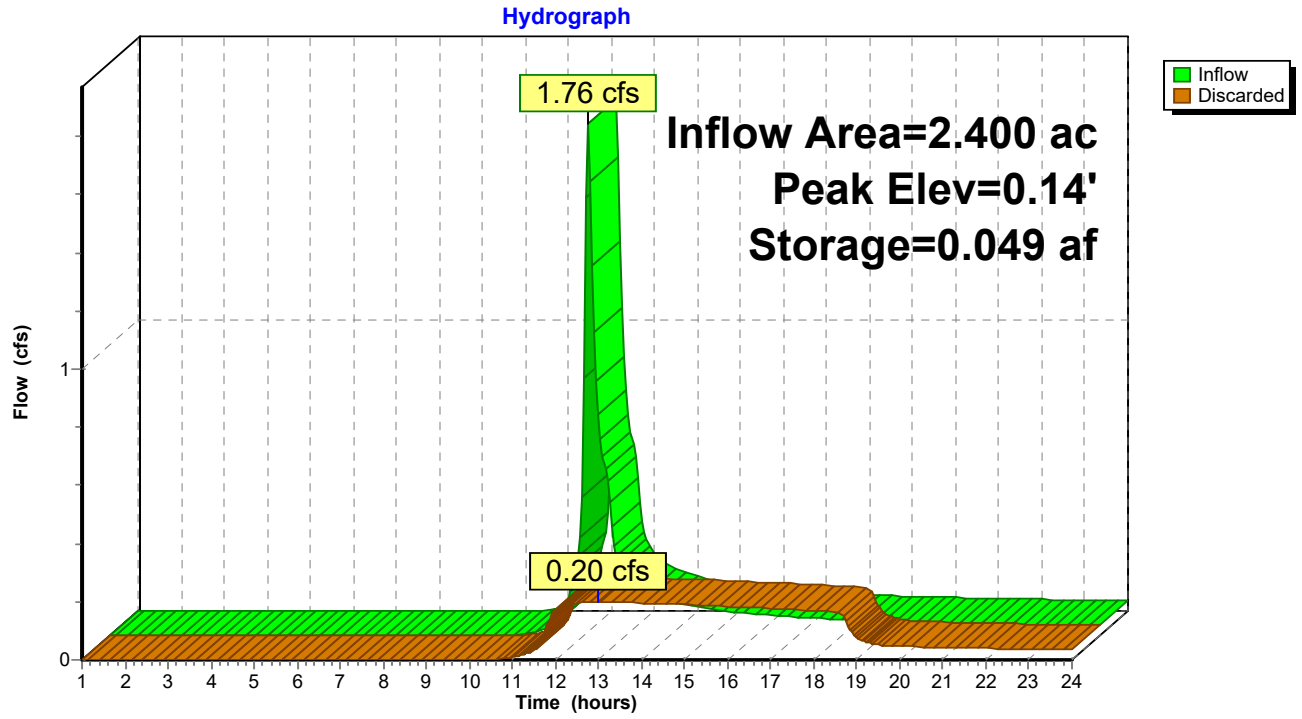
Plug-Flow detention time= 97.4 min calculated for 0.128 af (99% of inflow)
Center-of-Mass det. time= 94.2 min (962.0 - 867.9)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.560 af	**4.00'W x 3,480.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.20 cfs @ 12.99 hrs HW=0.14' (Free Discharge)
1=Exfiltration (Controls 0.20 cfs)

Pond 21P: Dry Swale 21



Summary for Pond 23P: Dry Swale 23

Inflow Area = 0.800 ac, 0.00% Impervious, Inflow Depth > 0.80" for 1-yr event
Inflow = 0.75 cfs @ 12.10 hrs, Volume= 0.053 af
Outflow = 0.07 cfs @ 13.11 hrs, Volume= 0.053 af, Atten= 91%, Lag= 60.7 min
Discarded = 0.07 cfs @ 13.11 hrs, Volume= 0.053 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.18' @ 13.11 hrs Surf.Area= 0.136 ac Storage= 0.022 af

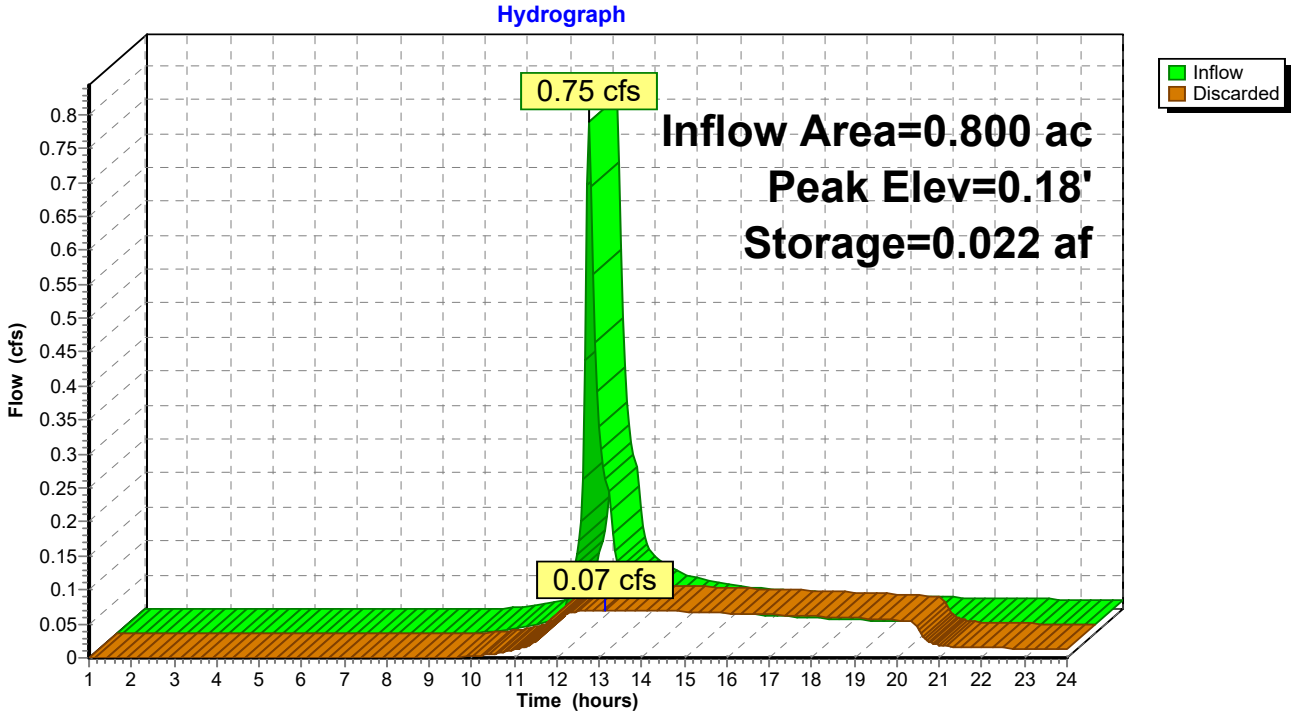
Plug-Flow detention time= 129.2 min calculated for 0.053 af (100% of inflow)
Center-of-Mass det. time= 126.4 min (980.1 - 853.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.187 af	**4.00'W x 1,160.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.07 cfs @ 13.11 hrs HW=0.18' (Free Discharge)
1=Exfiltration (Controls 0.07 cfs)

Pond 23P: Dry Swale 23



Summary for Pond 24P: Dry Swale 24

Inflow Area = 1.500 ac, 0.00% Impervious, Inflow Depth > 0.34" for 1-yr event
Inflow = 0.45 cfs @ 12.12 hrs, Volume= 0.043 af
Outflow = 0.11 cfs @ 12.72 hrs, Volume= 0.043 af, Atten= 76%, Lag= 36.1 min
Discarded = 0.11 cfs @ 12.72 hrs, Volume= 0.043 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.05' @ 12.72 hrs Surf.Area= 0.214 ac Storage= 0.010 af

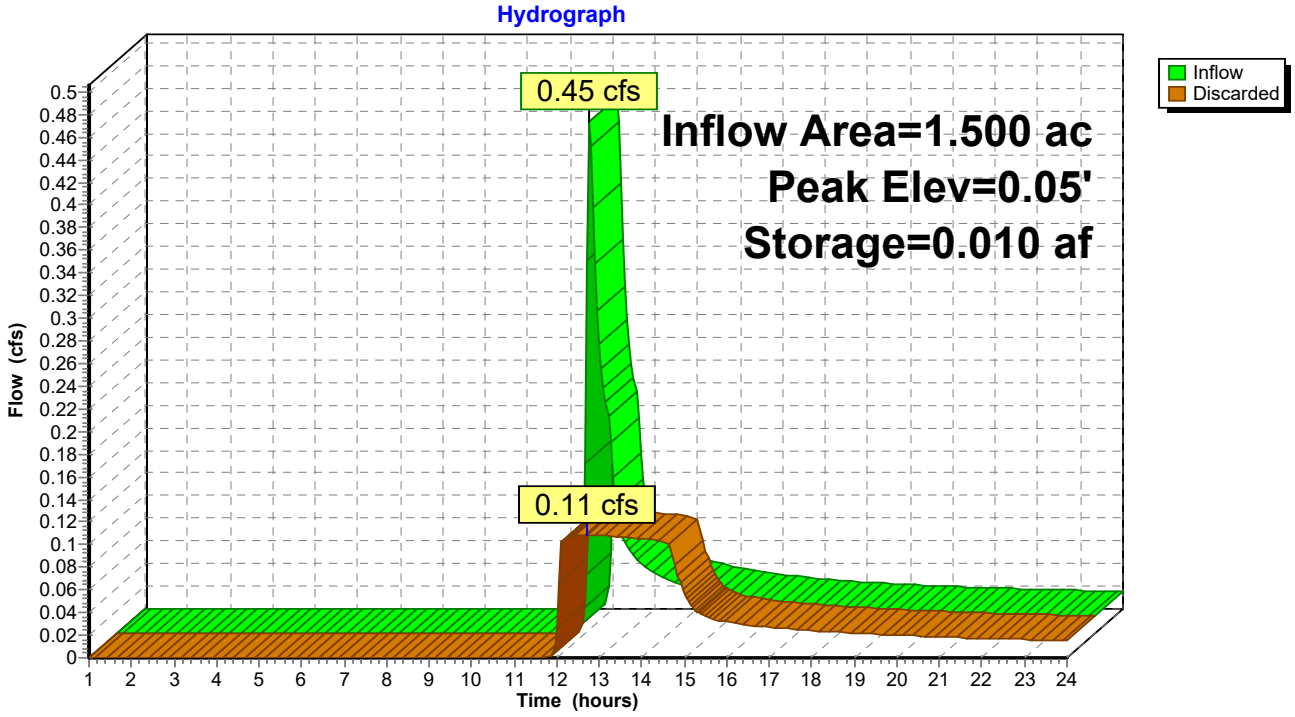
Plug-Flow detention time= 32.0 min calculated for 0.042 af (99% of inflow)
Center-of-Mass det. time= 28.2 min (936.7 - 908.4)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.349 af	**4.00'W x 2,170.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.11 cfs @ 12.72 hrs HW=0.05' (Free Discharge)
1=Exfiltration (Controls 0.11 cfs)

Pond 24P: Dry Swale 24



Summary for Pond 25P: Dry Swale 25

Inflow Area = 2.400 ac, 0.00% Impervious, Inflow Depth > 0.52" for 1-yr event
Inflow = 1.33 cfs @ 12.11 hrs, Volume= 0.103 af
Outflow = 0.19 cfs @ 12.87 hrs, Volume= 0.103 af, Atten= 86%, Lag= 45.9 min
Discarded = 0.19 cfs @ 12.87 hrs, Volume= 0.103 af

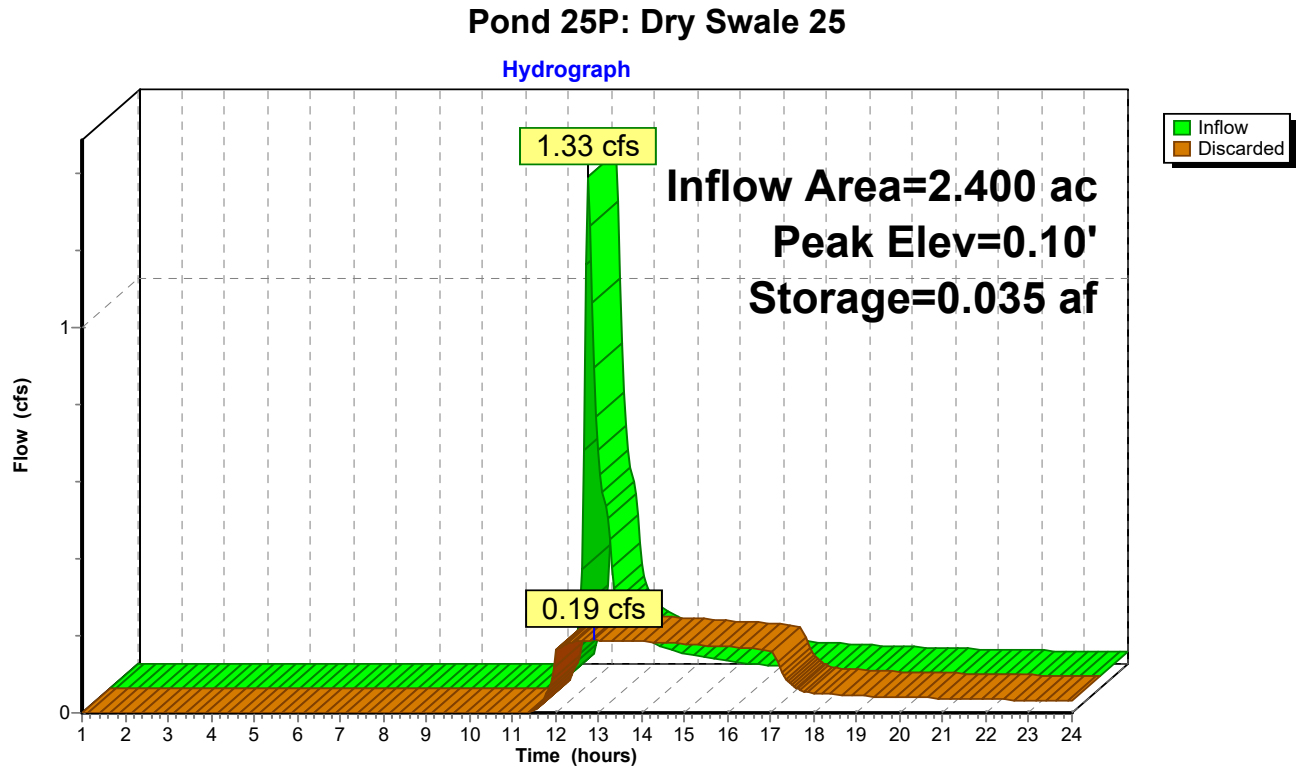
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.10' @ 12.87 hrs Surf.Area= 0.368 ac Storage= 0.035 af

Plug-Flow detention time= 68.8 min calculated for 0.103 af (99% of inflow)
Center-of-Mass det. time= 65.5 min (947.5 - 882.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.560 af	**4.00'W x 3,480.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.19 cfs @ 12.87 hrs HW=0.10' (Free Discharge)
1=Exfiltration (Controls 0.19 cfs)



Summary for Pond 26P: Dry Swale 26

Inflow Area = 1.200 ac, 0.00% Impervious, Inflow Depth > 0.60" for 1-yr event
Inflow = 0.81 cfs @ 12.10 hrs, Volume= 0.060 af
Outflow = 0.10 cfs @ 12.95 hrs, Volume= 0.060 af, Atten= 88%, Lag= 50.8 min
Discarded = 0.10 cfs @ 12.95 hrs, Volume= 0.060 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.13' @ 12.95 hrs Surf.Area= 0.190 ac Storage= 0.022 af

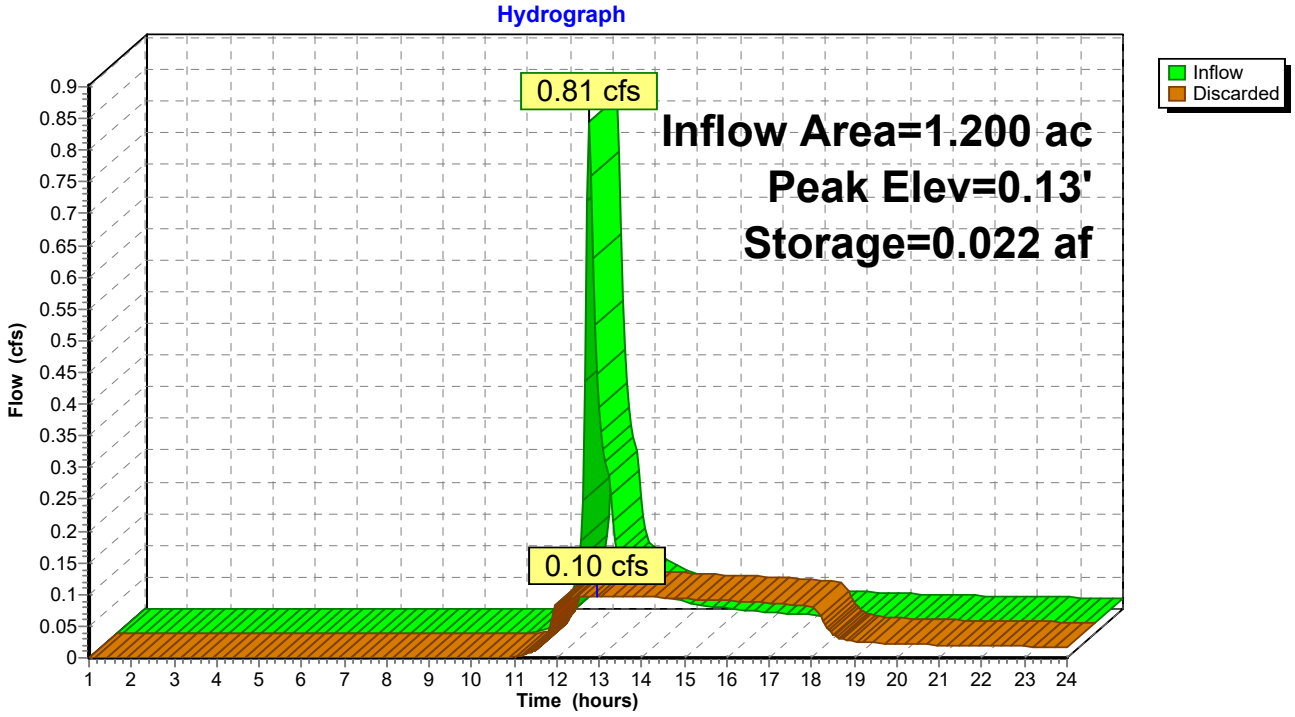
Plug-Flow detention time= 87.4 min calculated for 0.059 af (99% of inflow)
Center-of-Mass det. time= 84.2 min (956.7 - 872.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.280 af	**4.00'W x 1,740.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.10 cfs @ 12.95 hrs HW=0.13' (Free Discharge)
1=Exfiltration (Controls 0.10 cfs)

Pond 26P: Dry Swale 26



Summary for Pond 27P: Dry Swale 27

Inflow Area = 1.000 ac, 0.00% Impervious, Inflow Depth > 0.69" for 1-yr event
Inflow = 0.80 cfs @ 12.10 hrs, Volume= 0.058 af
Outflow = 0.08 cfs @ 13.03 hrs, Volume= 0.057 af, Atten= 89%, Lag= 55.9 min
Discarded = 0.08 cfs @ 13.03 hrs, Volume= 0.057 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.15' @ 13.03 hrs Surf.Area= 0.164 ac Storage= 0.023 af

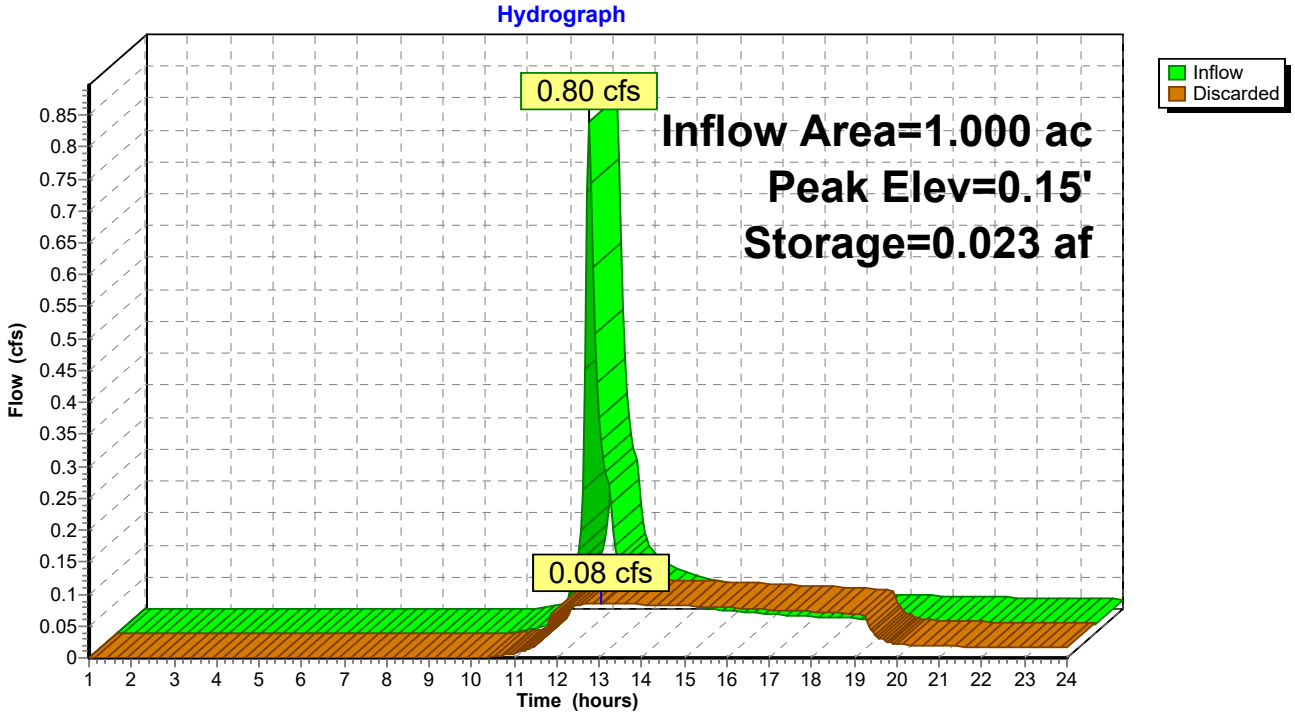
Plug-Flow detention time= 107.7 min calculated for 0.057 af (99% of inflow)
Center-of-Mass det. time= 104.5 min (967.7 - 863.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.234 af	**4.00'W x 1,450.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.08 cfs @ 13.03 hrs HW=0.15' (Free Discharge)
1=Exfiltration (Controls 0.08 cfs)

Pond 27P: Dry Swale 27



Summary for Pond 28P: Dry Swale 28

Inflow Area = 0.900 ac, 0.00% Impervious, Inflow Depth > 0.64" for 1-yr event
Inflow = 0.66 cfs @ 12.10 hrs, Volume= 0.048 af
Outflow = 0.07 cfs @ 13.00 hrs, Volume= 0.048 af, Atten= 89%, Lag= 53.6 min
Discarded = 0.07 cfs @ 13.00 hrs, Volume= 0.048 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.14' @ 13.00 hrs Surf.Area= 0.144 ac Storage= 0.018 af

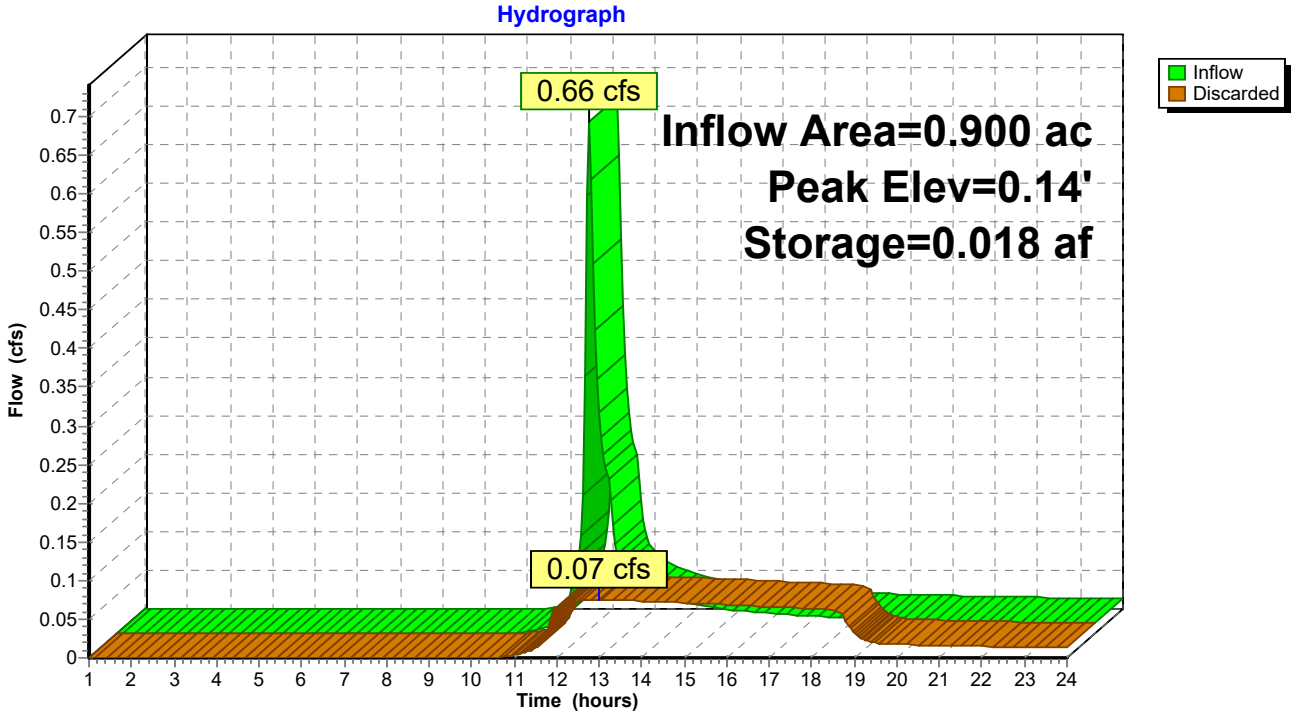
Plug-Flow detention time= 97.7 min calculated for 0.048 af (99% of inflow)
Center-of-Mass det. time= 94.7 min (962.5 - 867.9)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.209 af	**4.00'W x 1,300.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.07 cfs @ 13.00 hrs HW=0.14' (Free Discharge)
1=Exfiltration (Controls 0.07 cfs)

Pond 28P: Dry Swale 28



Summary for Pond 29P: Dry Swale 29

Inflow Area = 5.800 ac, 0.00% Impervious, Inflow Depth > 0.37" for 1-yr event
Inflow = 2.01 cfs @ 12.12 hrs, Volume= 0.181 af
Outflow = 0.43 cfs @ 12.75 hrs, Volume= 0.179 af, Atten= 79%, Lag= 37.8 min
Discarded = 0.43 cfs @ 12.75 hrs, Volume= 0.179 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.06' @ 12.75 hrs Surf.Area= 0.844 ac Storage= 0.047 af

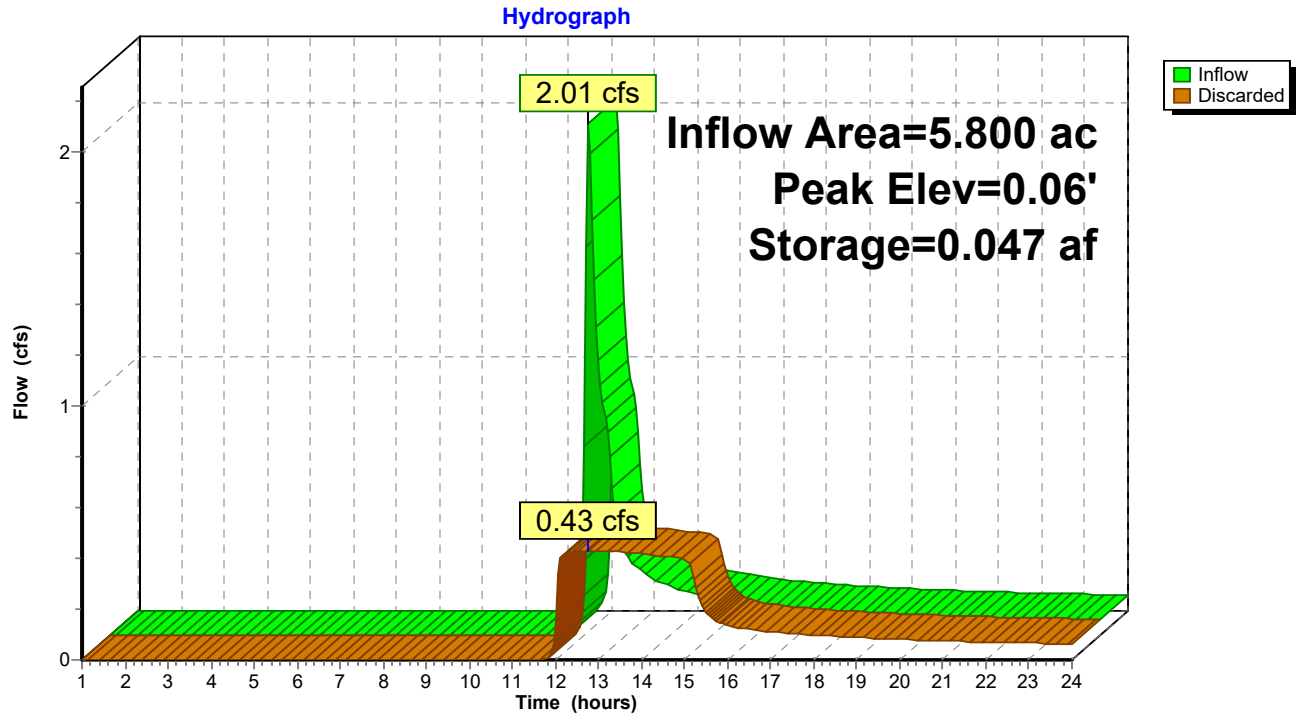
Plug-Flow detention time= 37.6 min calculated for 0.179 af (99% of inflow)
Center-of-Mass det. time= 33.9 min (936.7 - 902.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.360 af	**4.00'W x 8,460.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.43 cfs @ 12.75 hrs HW=0.06' (Free Discharge)
1=Exfiltration (Controls 0.43 cfs)

Pond 29P: Dry Swale 29

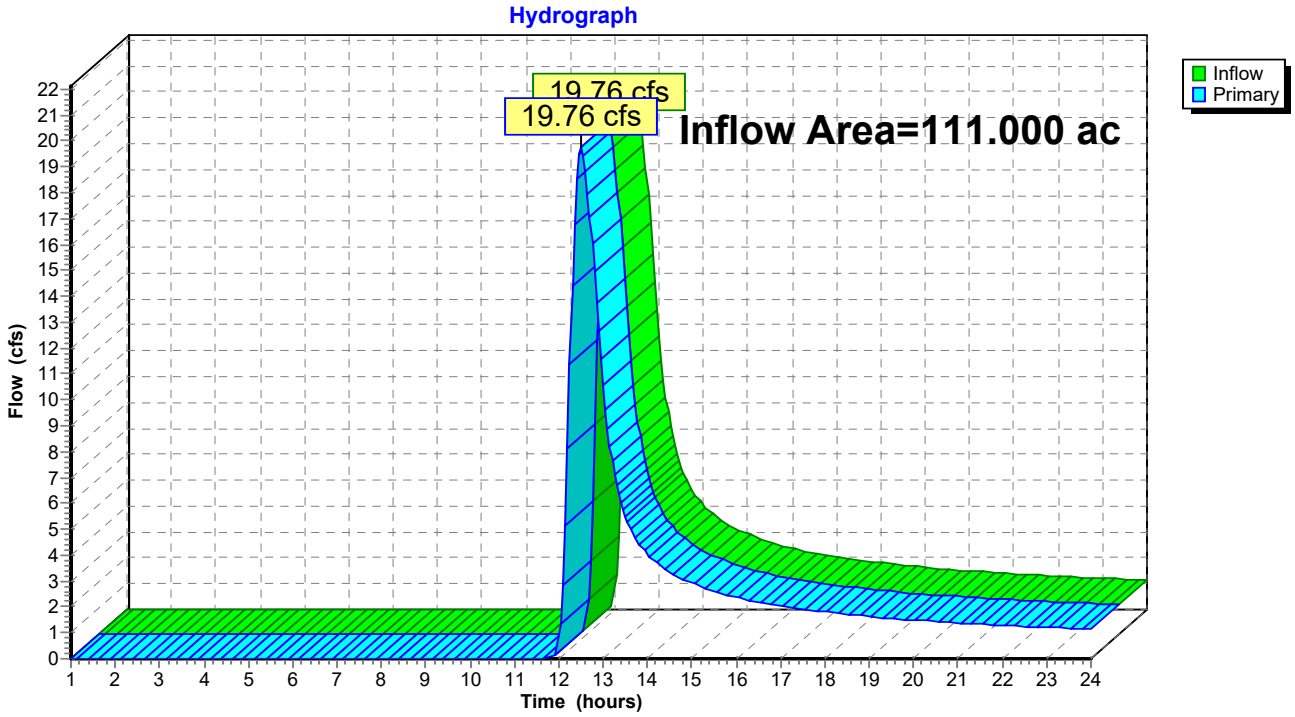


Summary for Link 16L: P

Inflow Area = 111.000 ac, 0.00% Impervious, Inflow Depth > 0.34" for 1-yr event
Inflow = 19.76 cfs @ 12.50 hrs, Volume= 3.138 af
Primary = 19.76 cfs @ 12.50 hrs, Volume= 3.138 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 16L: P

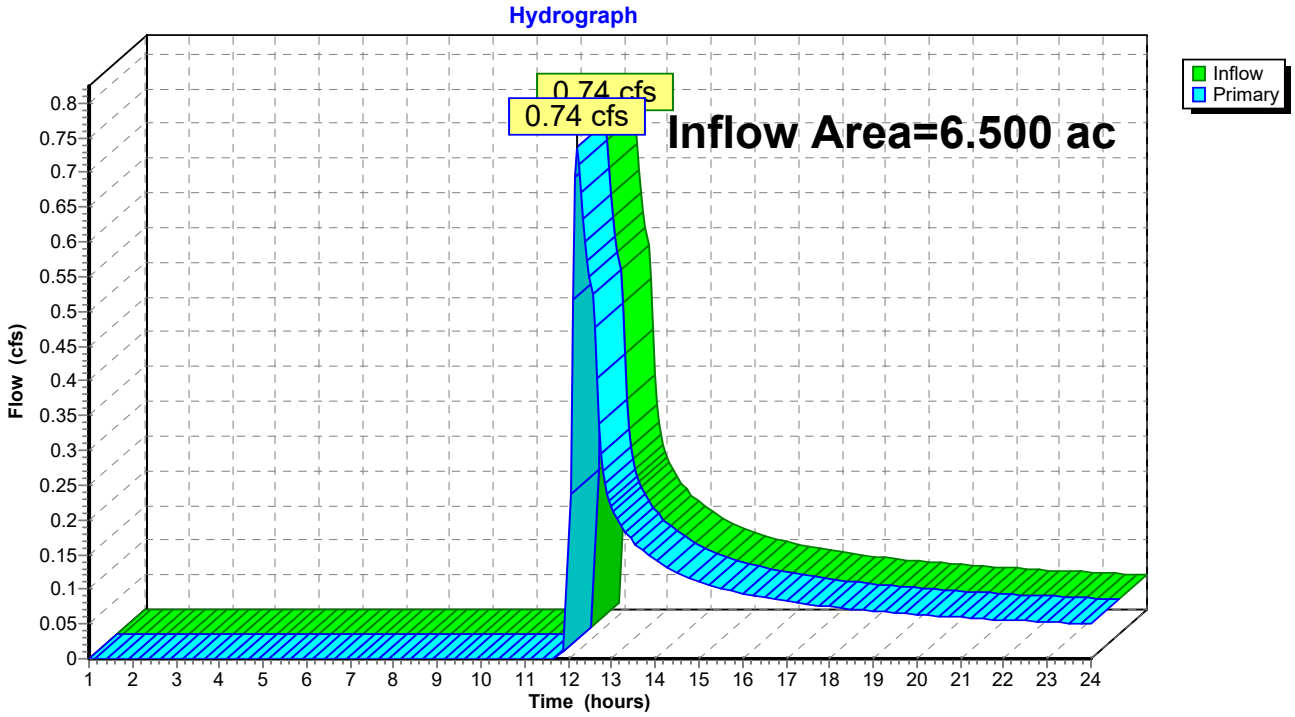


Summary for Link 17L: Q

Inflow Area = 6.500 ac, 0.00% Impervious, Inflow Depth > 0.21" for 1-yr event
Inflow = 0.74 cfs @ 12.21 hrs, Volume= 0.114 af
Primary = 0.74 cfs @ 12.21 hrs, Volume= 0.114 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 17L: Q

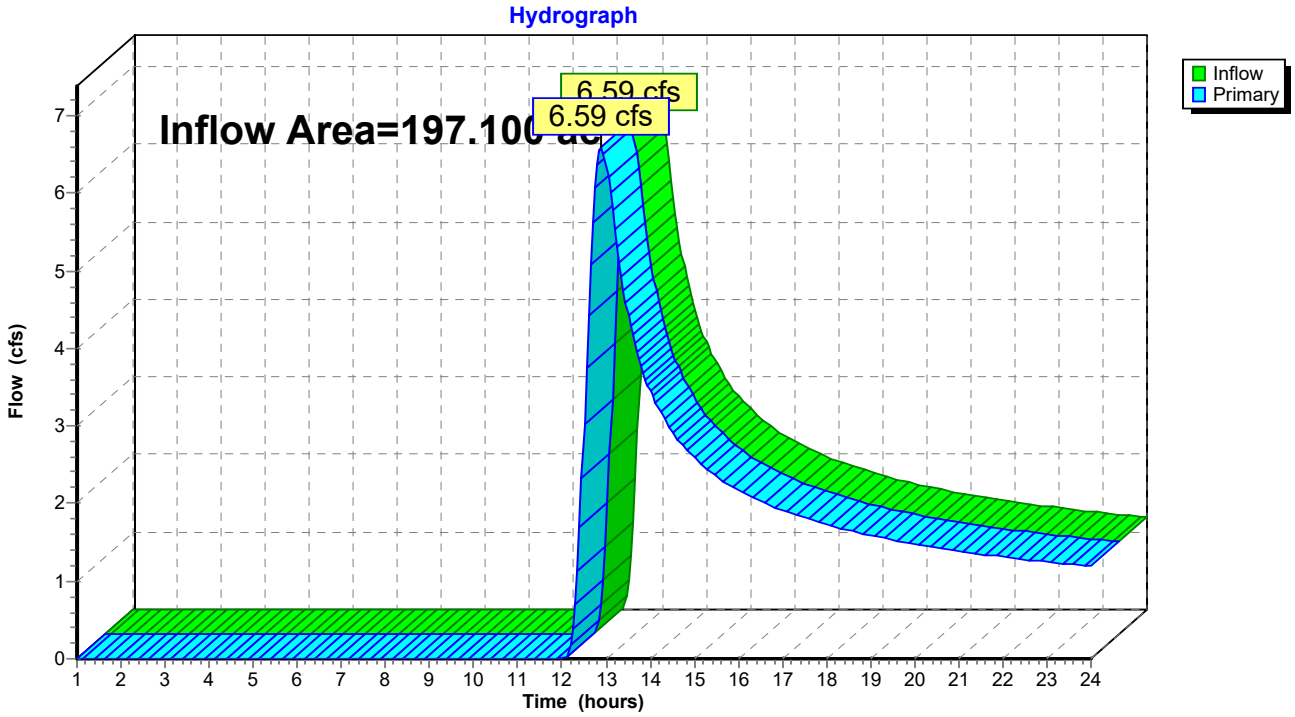


Summary for Link 18L: R

Inflow Area = 197.100 ac, 0.00% Impervious, Inflow Depth > 0.13" for 1-yr event
Inflow = 6.59 cfs @ 12.89 hrs, Volume= 2.106 af
Primary = 6.59 cfs @ 12.89 hrs, Volume= 2.106 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 18L: R

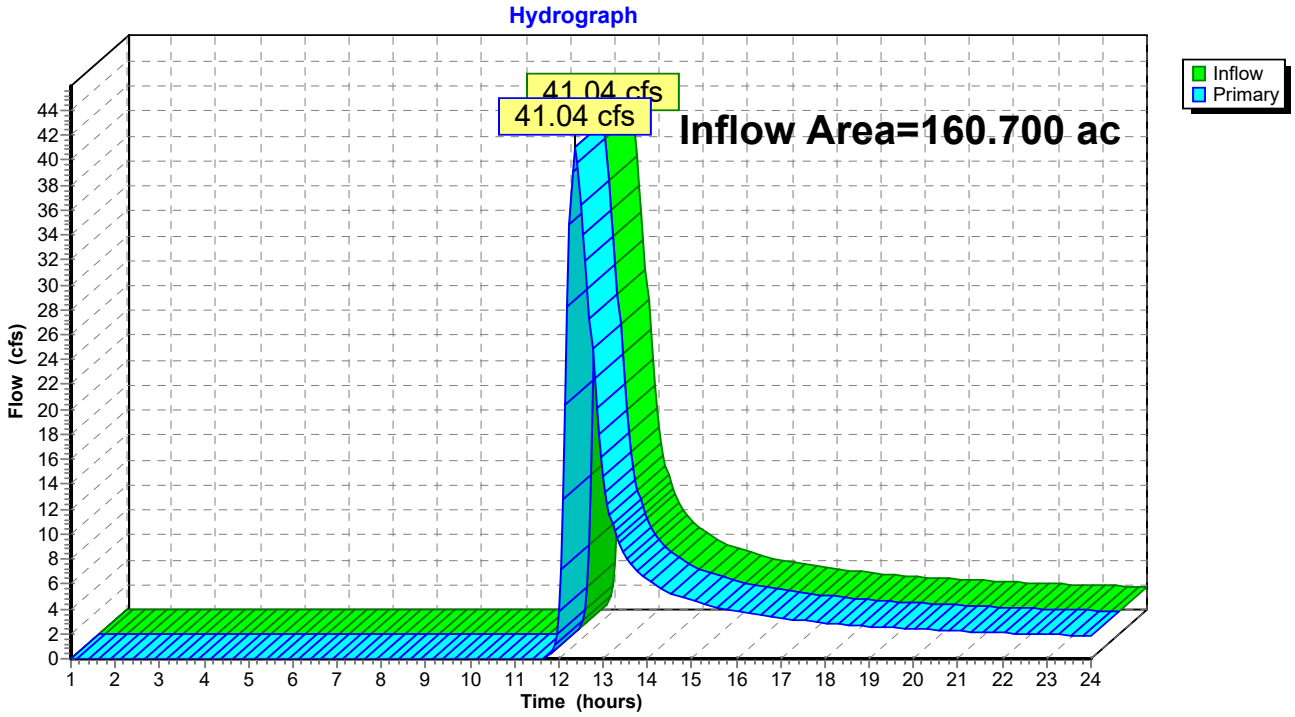


Summary for Link 19L: S

Inflow Area = 160.700 ac, 0.00% Impervious, Inflow Depth > 0.40" for 1-yr event
Inflow = 41.04 cfs @ 12.37 hrs, Volume= 5.407 af
Primary = 41.04 cfs @ 12.37 hrs, Volume= 5.407 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 19L: S

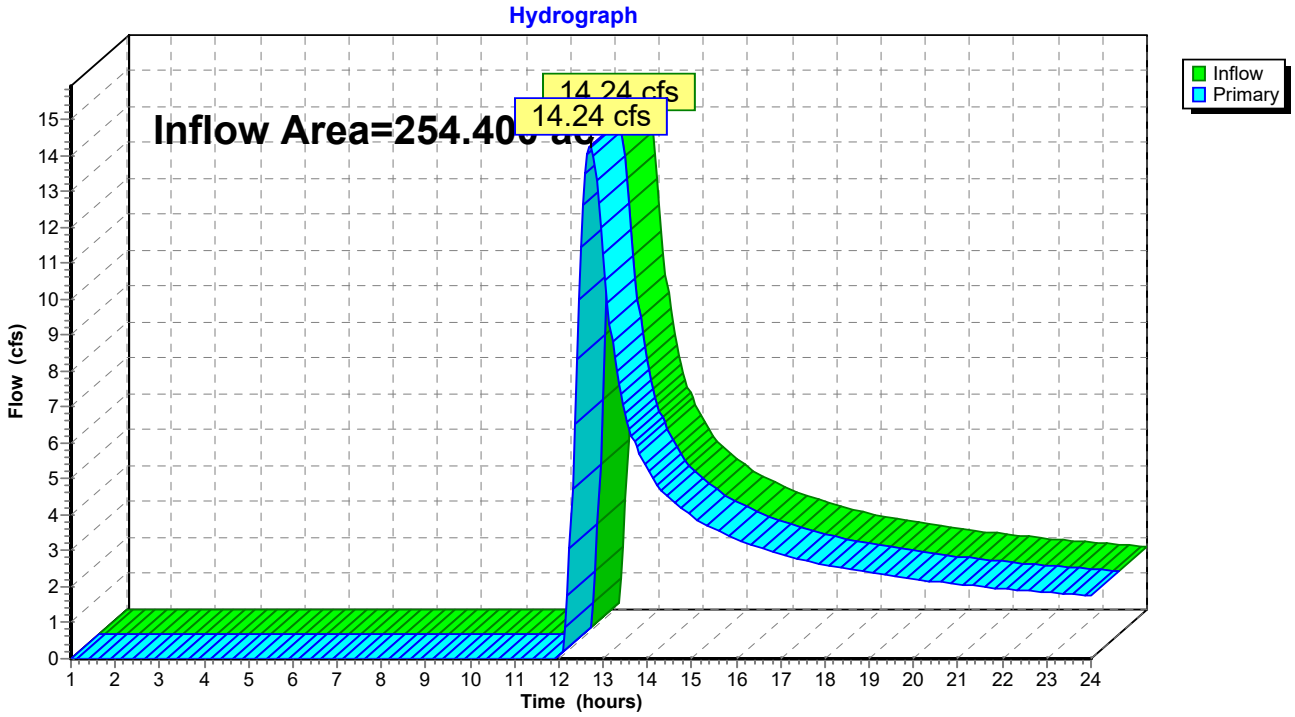


Summary for Link 20L: T

Inflow Area = 254.400 ac, 0.00% Impervious, Inflow Depth > 0.17" for 1-yr event
Inflow = 14.24 cfs @ 12.71 hrs, Volume= 3.520 af
Primary = 14.24 cfs @ 12.71 hrs, Volume= 3.520 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 20L: T

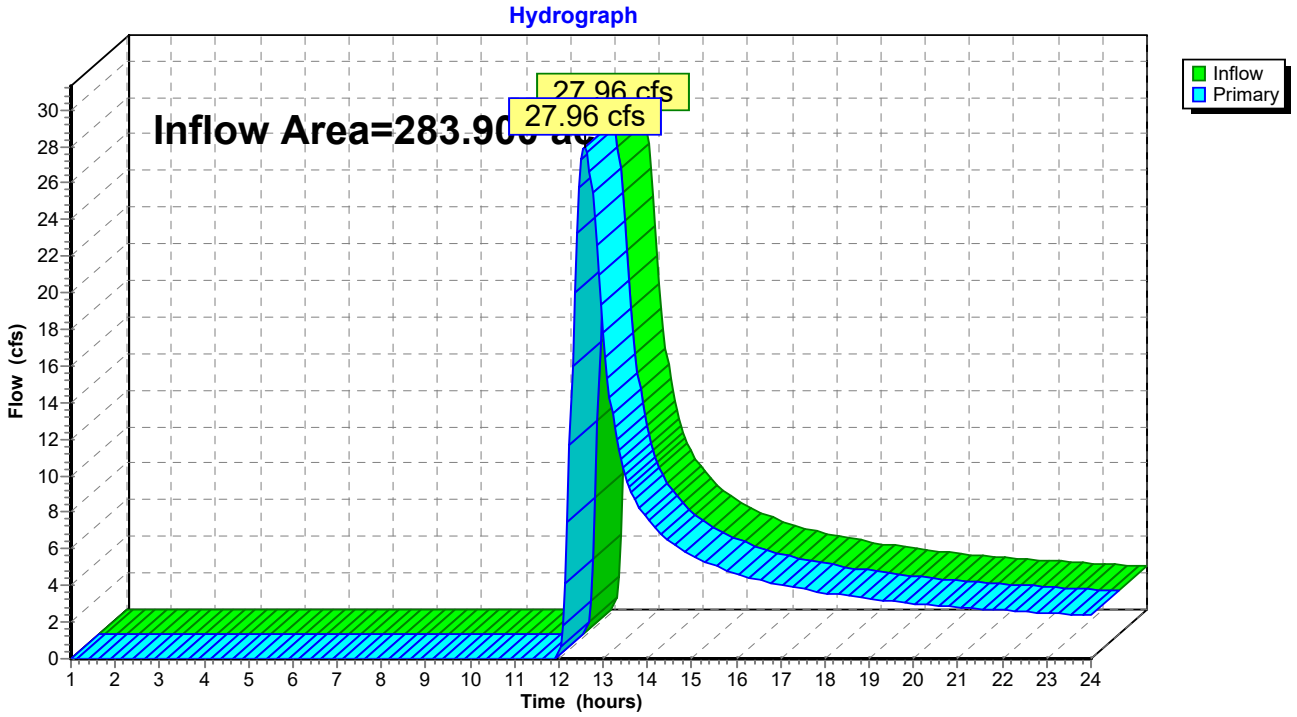


Summary for Link 21L: U

Inflow Area = 283.900 ac, 0.00% Impervious, Inflow Depth > 0.23" for 1-yr event
Inflow = 27.96 cfs @ 12.58 hrs, Volume= 5.483 af
Primary = 27.96 cfs @ 12.58 hrs, Volume= 5.483 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 21L: U

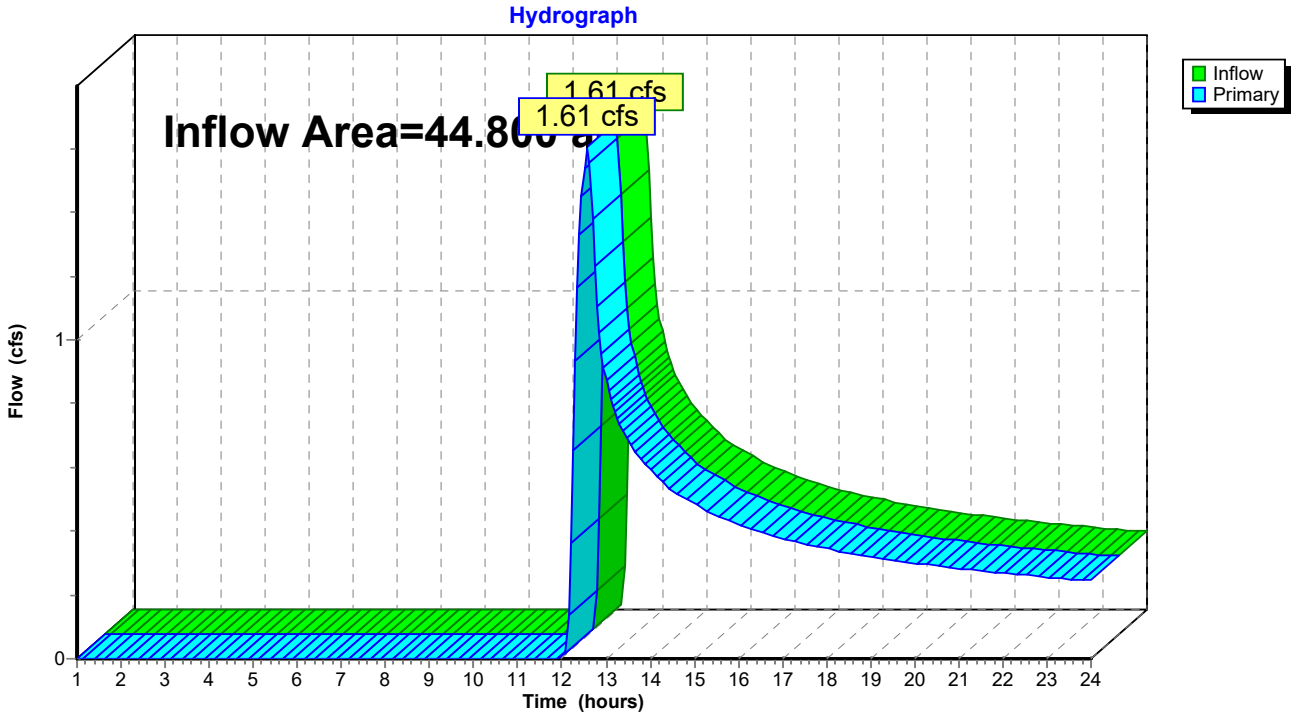


Summary for Link 22L: V

Inflow Area = 44.800 ac, 0.00% Impervious, Inflow Depth > 0.11" for 1-yr event
Inflow = 1.61 cfs @ 12.58 hrs, Volume= 0.425 af
Primary = 1.61 cfs @ 12.58 hrs, Volume= 0.425 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 22L: V

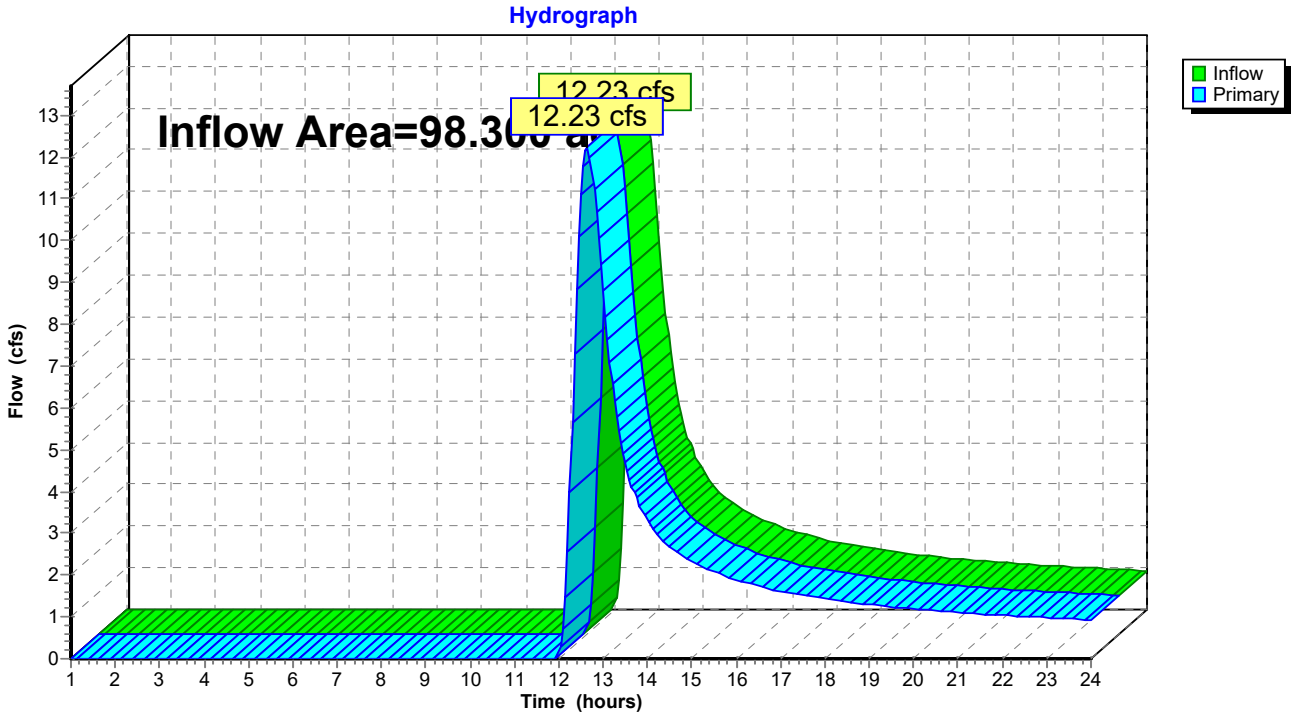


Summary for Link 23L: W

Inflow Area = 98.300 ac, 0.00% Impervious, Inflow Depth > 0.28" for 1-yr event
Inflow = 12.23 cfs @ 12.64 hrs, Volume= 2.306 af
Primary = 12.23 cfs @ 12.64 hrs, Volume= 2.306 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 23L: W

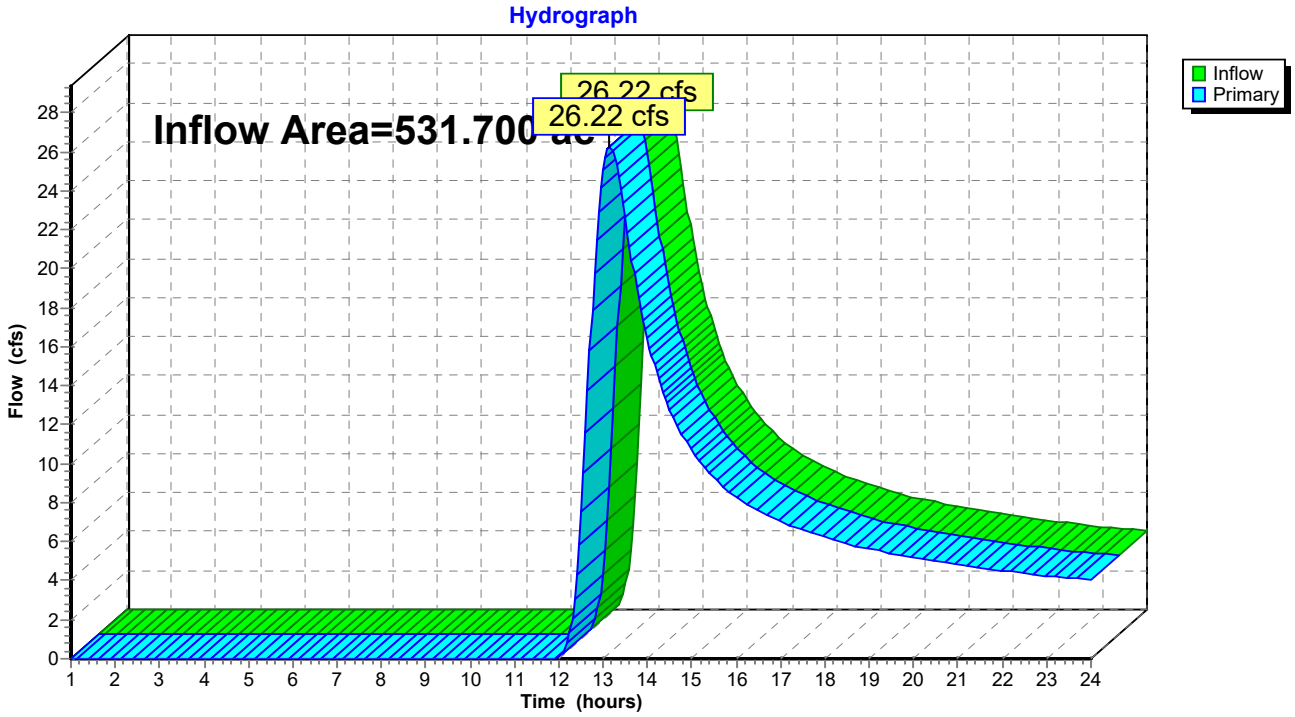


Summary for Link 24L: X

Inflow Area = 531.700 ac, 0.00% Impervious, Inflow Depth > 0.18" for 1-yr event
Inflow = 26.22 cfs @ 13.14 hrs, Volume= 8.101 af
Primary = 26.22 cfs @ 13.14 hrs, Volume= 8.101 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 24L: X

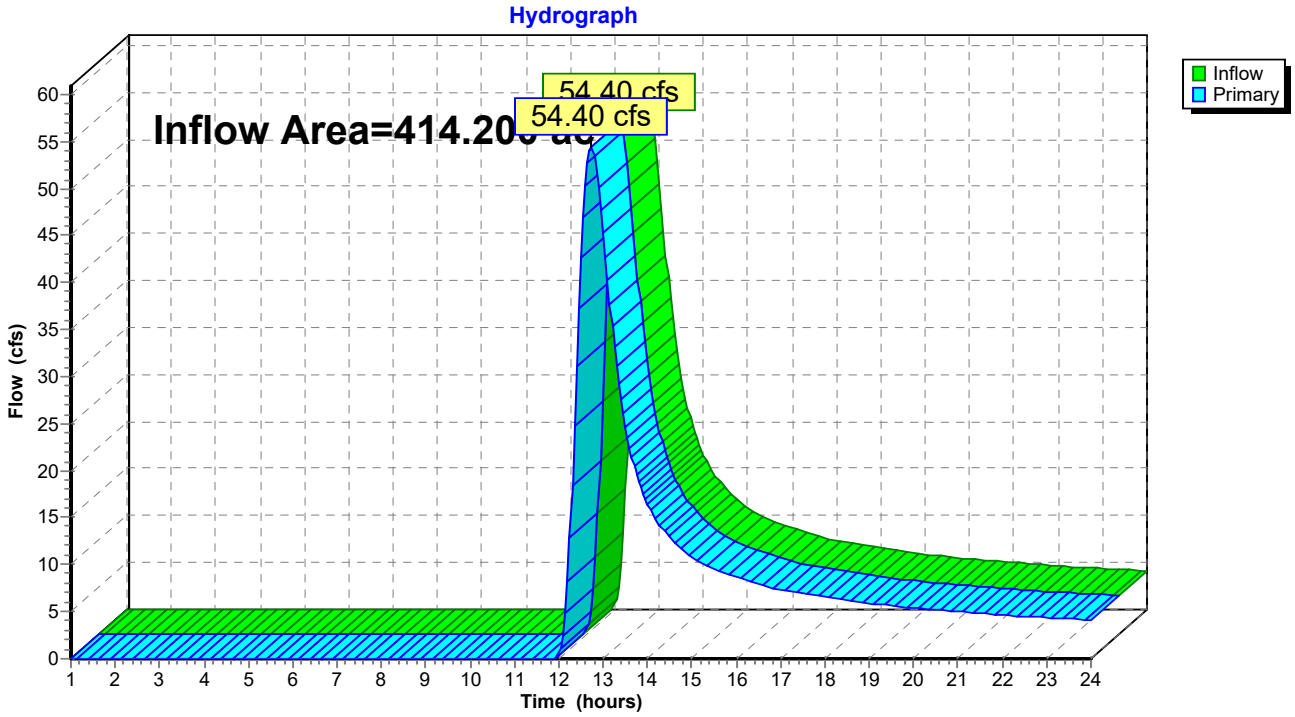


Summary for Link 25L: Y

Inflow Area = 414.200 ac, 0.00% Impervious, Inflow Depth > 0.31" for 1-yr event
Inflow = 54.40 cfs @ 12.74 hrs, Volume= 10.628 af
Primary = 54.40 cfs @ 12.74 hrs, Volume= 10.628 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 25L: Y

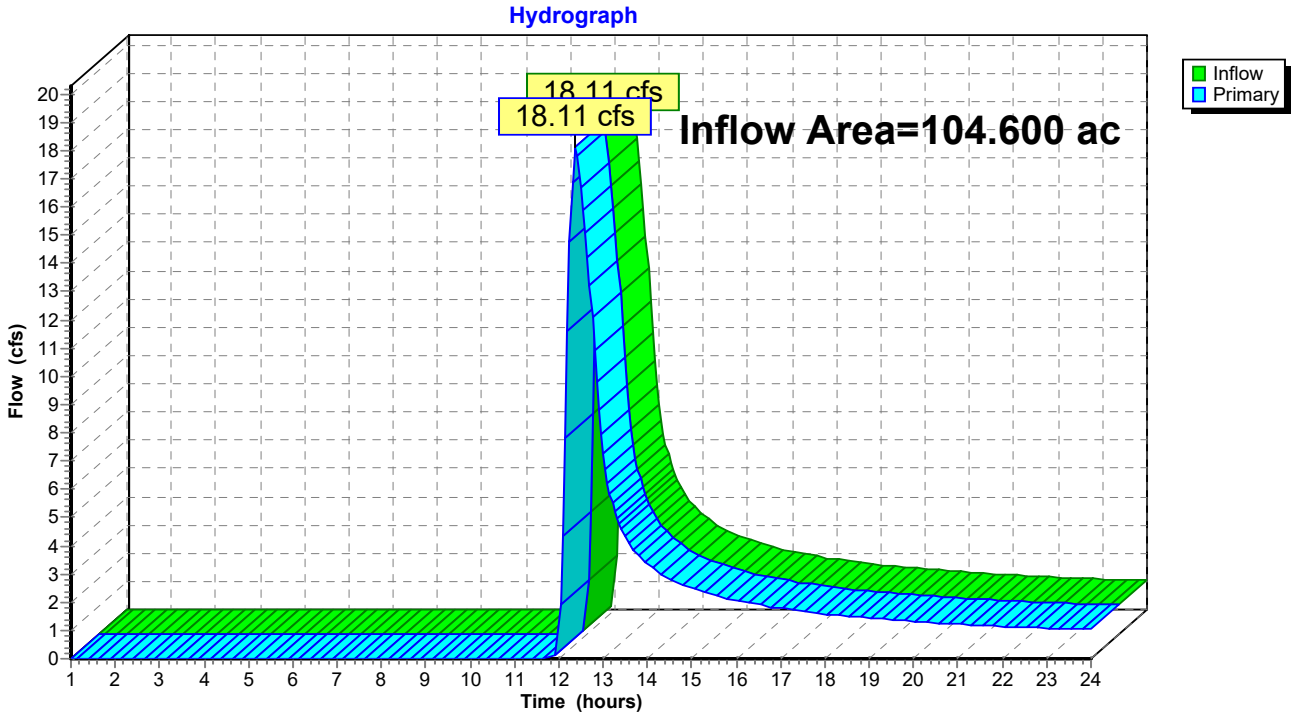


Summary for Link 26L: Z

Inflow Area = 104.600 ac, 0.00% Impervious, Inflow Depth > 0.31" for 1-yr event
Inflow = 18.11 cfs @ 12.38 hrs, Volume= 2.712 af
Primary = 18.11 cfs @ 12.38 hrs, Volume= 2.712 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 26L: Z

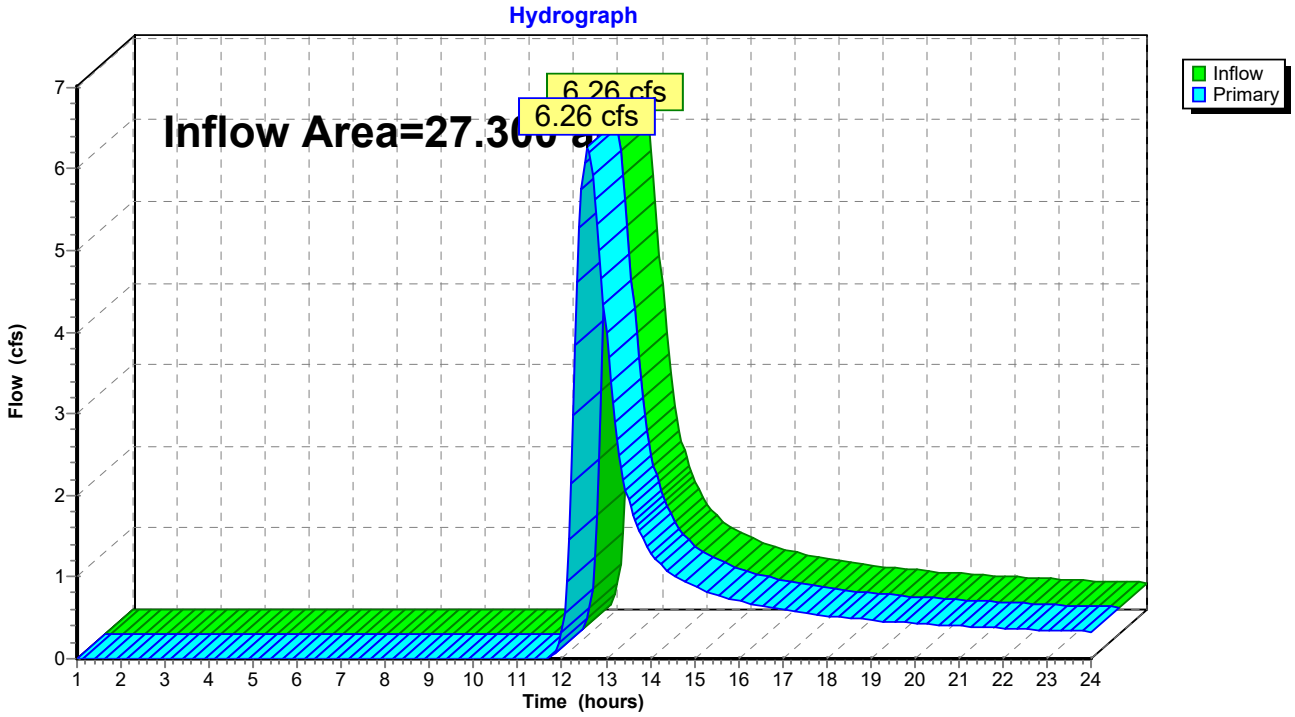


Summary for Link 27L: AA

Inflow Area = 27.300 ac, 0.00% Impervious, Inflow Depth > 0.44" for 1-yr event
Inflow = 6.26 cfs @ 12.58 hrs, Volume= 0.991 af
Primary = 6.26 cfs @ 12.58 hrs, Volume= 0.991 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 27L: AA

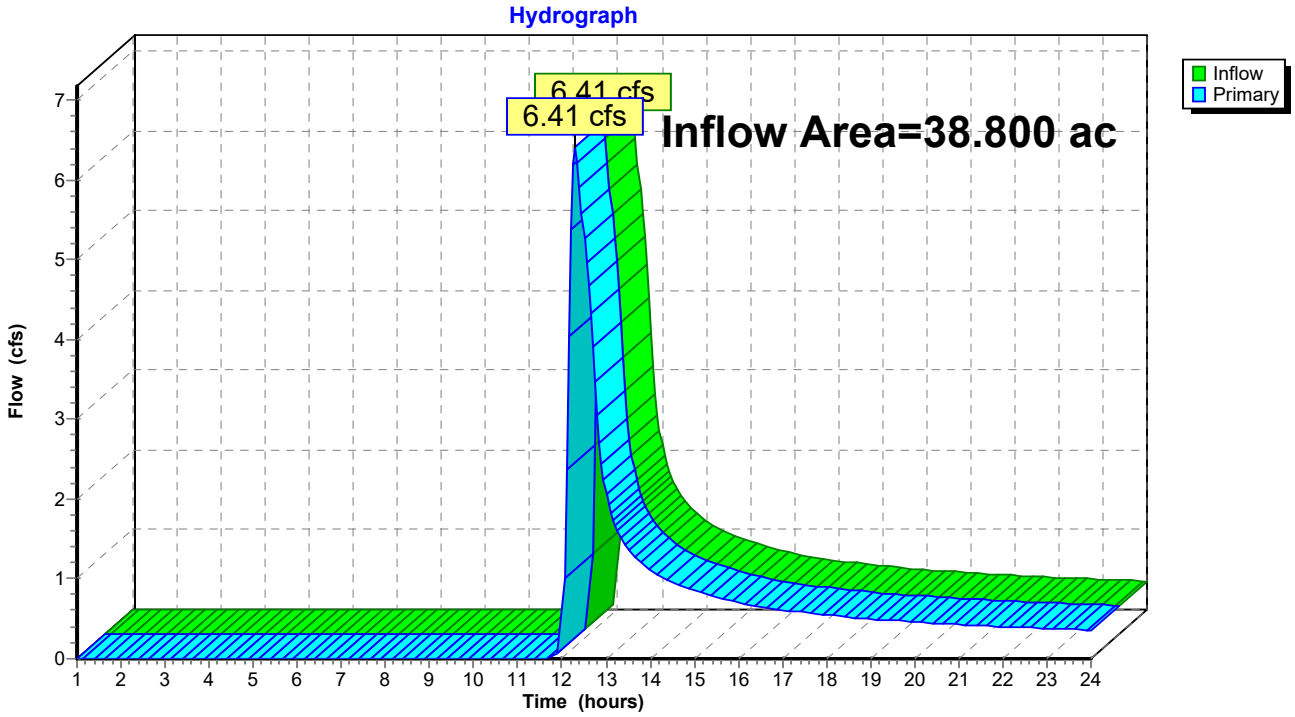


Summary for Link 28L: BB

Inflow Area = 38.800 ac, 0.00% Impervious, Inflow Depth > 0.28" for 1-yr event
Inflow = 6.41 cfs @ 12.30 hrs, Volume= 0.919 af
Primary = 6.41 cfs @ 12.30 hrs, Volume= 0.919 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 28L: BB

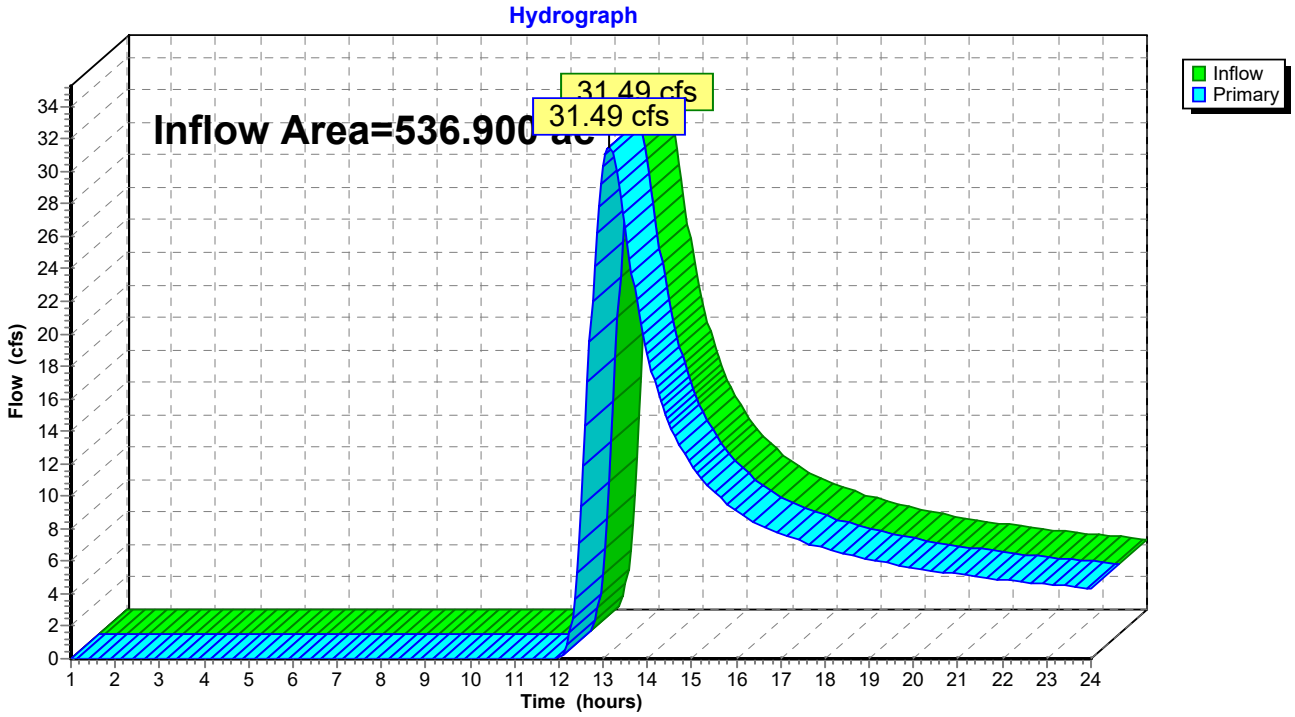


Summary for Link 29L: CC

Inflow Area = 536.900 ac, 0.00% Impervious, Inflow Depth > 0.20" for 1-yr event
Inflow = 31.49 cfs @ 13.14 hrs, Volume= 9.139 af
Primary = 31.49 cfs @ 13.14 hrs, Volume= 9.139 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 29L: CC

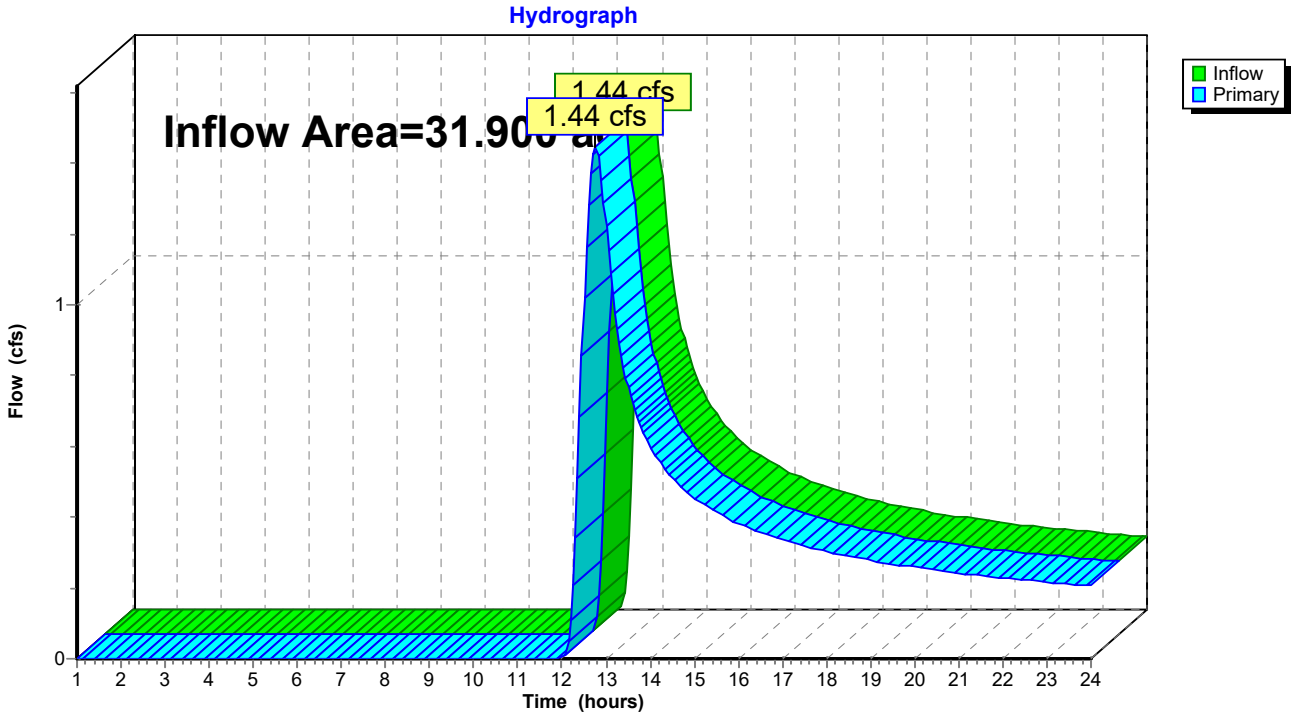


Summary for Link 30L: DD

Inflow Area = 31.900 ac, 0.00% Impervious, Inflow Depth > 0.15" for 1-yr event
Inflow = 1.44 cfs @ 12.76 hrs, Volume= 0.390 af
Primary = 1.44 cfs @ 12.76 hrs, Volume= 0.390 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 30L: DD



Time span=1.00-24.00 hrs, dt=0.05 hrs, 461 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment16S: 16 Runoff Area=111.000 ac 0.00% Impervious Runoff Depth>1.05"
Flow Length=3,030' Tc=32.3 min CN=76 Runoff=77.81 cfs 9.668 af

Subcatchment17S: 17 Runoff Area=6.500 ac 0.00% Impervious Runoff Depth>0.79"
Flow Length=680' Slope=0.2000 '/' Tc=11.1 min CN=71 Runoff=5.07 cfs 0.429 af

Subcatchment18S: 18 Runoff Area=197.100 ac 0.00% Impervious Runoff Depth>0.60"
Flow Length=4,345' Tc=42.4 min CN=67 Runoff=60.26 cfs 9.931 af

Subcatchment19S: 19 Runoff Area=160.700 ac 0.00% Impervious Runoff Depth>1.16"
Flow Length=1,050' Tc=25.9 min CN=78 Runoff=142.34 cfs 15.575 af

Subcatchment20S: 20 Runoff Area=254.400 ac 0.00% Impervious Runoff Depth>0.69"
Flow Length=5,825' Tc=34.2 min CN=69 Runoff=102.80 cfs 14.696 af

Subcatchment21S: 21 Runoff Area=283.900 ac 0.00% Impervious Runoff Depth>0.83"
Flow Length=6,035' Tc=31.9 min CN=72 Runoff=151.97 cfs 19.752 af

Subcatchment22S: 22 Runoff Area=44.800 ac 0.00% Impervious Runoff Depth>0.57"
Flow Length=2,185' Tc=15.8 min CN=66 Runoff=18.94 cfs 2.129 af

Subcatchment23S: 23 Runoff Area=98.300 ac 0.00% Impervious Runoff Depth>0.93"
Flow Length=2,880' Tc=38.7 min CN=74 Runoff=55.19 cfs 7.655 af

Subcatchment24S: 24 Runoff Area=531.700 ac 0.00% Impervious Runoff Depth>0.73"
Flow Length=12,990' Tc=65.9 min CN=70 Runoff=163.43 cfs 32.316 af

Subcatchment25S: 25 Runoff Area=414.200 ac 0.00% Impervious Runoff Depth>0.99"
Flow Length=7,355' Tc=46.0 min CN=75 Runoff=226.87 cfs 34.013 af

Subcatchment26S: 26 Runoff Area=104.600 ac 0.00% Impervious Runoff Depth>0.99"
Flow Length=1,875' Tc=25.0 min CN=75 Runoff=77.78 cfs 8.651 af

Subcatchment27S: 27 Runoff Area=27.300 ac 0.00% Impervious Runoff Depth>1.22"
Flow Length=1,470' Tc=39.7 min CN=79 Runoff=20.62 cfs 2.772 af

Subcatchment28S: 28 Runoff Area=38.800 ac 0.00% Impervious Runoff Depth>0.94"
Flow Length=2,680' Slope=0.1300 '/' Tc=19.5 min CN=74 Runoff=30.29 cfs 3.042 af

Subcatchment29S: 29 Runoff Area=536.900 ac 0.00% Impervious Runoff Depth>0.78"
Flow Length=10,730' Tc=67.0 min CN=71 Runoff=178.31 cfs 34.704 af

Subcatchment30S: 30 Runoff Area=31.900 ac 0.00% Impervious Runoff Depth>0.65"
Flow Length=1,210' Tc=35.4 min CN=68 Runoff=11.66 cfs 1.725 af

Subcatchment44S: 16.1 Runoff Area=0.100 ac 0.00% Impervious Runoff Depth>1.79"
Tc=10.0 min CN=87 Runoff=0.22 cfs 0.015 af

Subcatchment 45S: 18.1 Runoff Area=3.000 ac 0.00% Impervious Runoff Depth>1.23"
Tc=10.0 min CN=79 Runoff=4.30 cfs 0.307 af

Subcatchment 46S: 19.1 Runoff Area=0.500 ac 0.00% Impervious Runoff Depth>1.56"
Tc=10.0 min CN=84 Runoff=0.94 cfs 0.065 af

Subcatchment 47S: 21.1 Runoff Area=2.400 ac 0.00% Impervious Runoff Depth>1.56"
Tc=10.0 min CN=84 Runoff=4.50 cfs 0.312 af

Subcatchment 48S: 23.1 Runoff Area=0.800 ac 0.00% Impervious Runoff Depth>1.79"
Tc=10.0 min CN=87 Runoff=1.72 cfs 0.119 af

Subcatchment 49S: 24.1 Runoff Area=1.500 ac 0.00% Impervious Runoff Depth>1.05"
Tc=10.0 min CN=76 Runoff=1.79 cfs 0.132 af

Subcatchment 50S: 25.1 Runoff Area=2.400 ac 0.00% Impervious Runoff Depth>1.36"
Tc=10.0 min CN=81 Runoff=3.85 cfs 0.271 af

Subcatchment 51S: 26.1 Runoff Area=1.200 ac 0.00% Impervious Runoff Depth>1.49"
Tc=10.0 min CN=83 Runoff=2.14 cfs 0.149 af

Subcatchment 52S: 27.1 Runoff Area=1.000 ac 0.00% Impervious Runoff Depth>1.64"
Tc=10.0 min CN=85 Runoff=1.97 cfs 0.136 af

Subcatchment 53S: 28.1 Runoff Area=0.900 ac 0.00% Impervious Runoff Depth>1.56"
Tc=10.0 min CN=84 Runoff=1.69 cfs 0.117 af

Subcatchment 54S: 29.1 Runoff Area=5.800 ac 0.00% Impervious Runoff Depth>1.11"
Tc=10.0 min CN=77 Runoff=7.37 cfs 0.536 af

Pond 16P: Dry Swale 16 Peak Elev=0.45' Storage=0.008 af Inflow=0.22 cfs 0.015 af
Outflow=0.01 cfs 0.012 af

Pond 18P: Dry Swale 18 Peak Elev=0.30' Storage=0.148 af Inflow=4.30 cfs 0.307 af
Outflow=0.31 cfs 0.283 af

Pond 19P: Dry Swale 19 Peak Elev=0.39' Storage=0.033 af Inflow=0.94 cfs 0.065 af
Outflow=0.06 cfs 0.054 af

Pond 21P: Dry Swale 21 Peak Elev=0.39' Storage=0.160 af Inflow=4.50 cfs 0.312 af
Outflow=0.27 cfs 0.261 af

Pond 23P: Dry Swale 23 Peak Elev=0.44' Storage=0.063 af Inflow=1.72 cfs 0.119 af
Outflow=0.10 cfs 0.095 af

Pond 24P: Dry Swale 24 Peak Elev=0.25' Storage=0.060 af Inflow=1.79 cfs 0.132 af
Outflow=0.14 cfs 0.130 af

Pond 25P: Dry Swale 25 Peak Elev=0.34' Storage=0.134 af Inflow=3.85 cfs 0.271 af
Outflow=0.26 cfs 0.239 af

Pond 26P: Dry Swale 26 Peak Elev=0.37' Storage=0.076 af Inflow=2.14 cfs 0.149 af
Outflow=0.13 cfs 0.127 af

Pond 27P: Dry Swale 27	Peak Elev=0.41' Storage=0.071 af Inflow=1.97 cfs 0.136 af Outflow=0.12 cfs 0.112 af
Pond 28P: Dry Swale 28	Peak Elev=0.39' Storage=0.060 af Inflow=1.69 cfs 0.117 af Outflow=0.10 cfs 0.098 af
Pond 29P: Dry Swale 29	Peak Elev=0.27' Storage=0.249 af Inflow=7.37 cfs 0.536 af Outflow=0.57 cfs 0.520 af
Link 16L: P	Inflow=77.81 cfs 9.668 af Primary=77.81 cfs 9.668 af
Link 17L: Q	Inflow=5.07 cfs 0.429 af Primary=5.07 cfs 0.429 af
Link 18L: R	Inflow=60.26 cfs 9.931 af Primary=60.26 cfs 9.931 af
Link 19L: S	Inflow=142.34 cfs 15.575 af Primary=142.34 cfs 15.575 af
Link 20L: T	Inflow=102.80 cfs 14.696 af Primary=102.80 cfs 14.696 af
Link 21L: U	Inflow=151.97 cfs 19.752 af Primary=151.97 cfs 19.752 af
Link 22L: V	Inflow=18.94 cfs 2.129 af Primary=18.94 cfs 2.129 af
Link 23L: W	Inflow=55.19 cfs 7.655 af Primary=55.19 cfs 7.655 af
Link 24L: X	Inflow=163.43 cfs 32.316 af Primary=163.43 cfs 32.316 af
Link 25L: Y	Inflow=226.87 cfs 34.013 af Primary=226.87 cfs 34.013 af
Link 26L: Z	Inflow=77.78 cfs 8.651 af Primary=77.78 cfs 8.651 af
Link 27L: AA	Inflow=20.62 cfs 2.772 af Primary=20.62 cfs 2.772 af
Link 28L: BB	Inflow=30.29 cfs 3.042 af Primary=30.29 cfs 3.042 af
Link 29L: CC	Inflow=178.31 cfs 34.704 af Primary=178.31 cfs 34.704 af

Link 30L: DD

Inflow=11.66 cfs 1.725 af
Primary=11.66 cfs 1.725 af

Total Runoff Area = 2,861.700 ac Runoff Volume = 199.220 af Average Runoff Depth = 0.84"
100.00% Pervious = 2,861.700 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 16S: 16

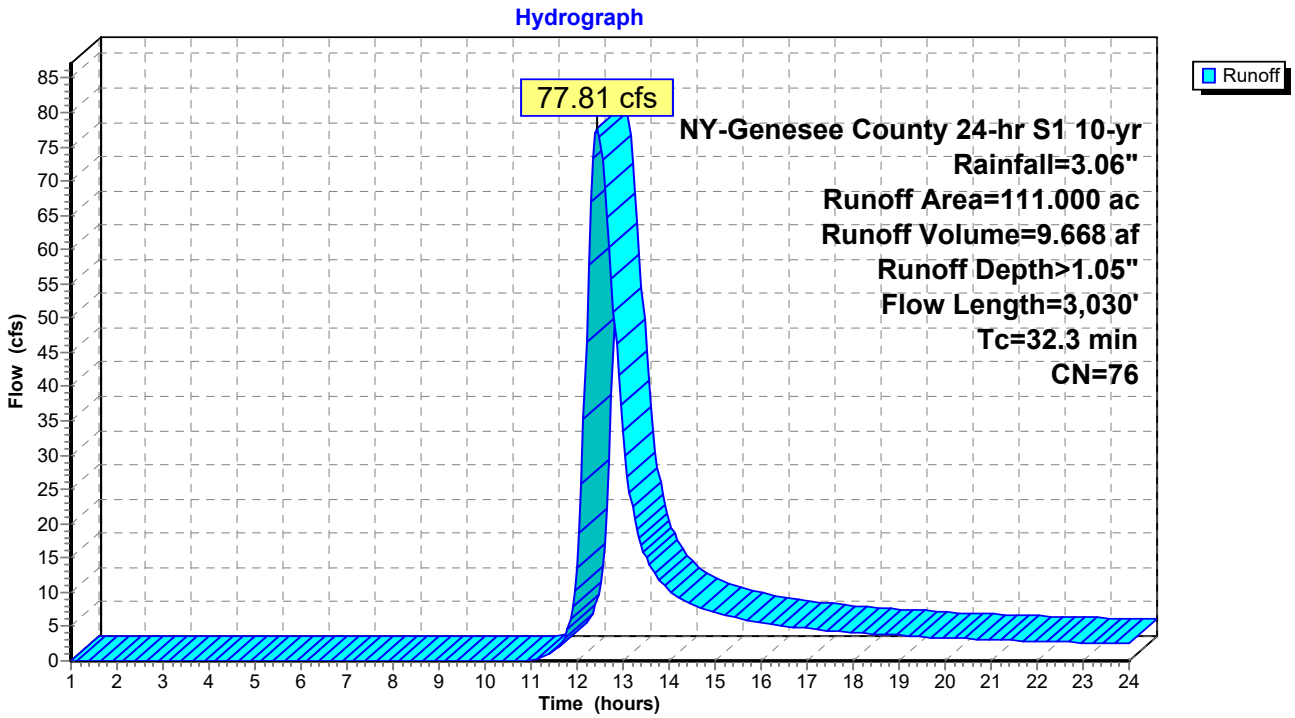
Runoff = 77.81 cfs @ 12.44 hrs, Volume= 9.668 af, Depth> 1.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	111.000	76	
	111.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.5	150	0.0500	0.15		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
14.0	2,350	0.0300	2.79		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	530		5.00		**Direct Entry,**
32.3	3,030	Total			

Subcatchment 16S: 16



Summary for Subcatchment 17S: 17

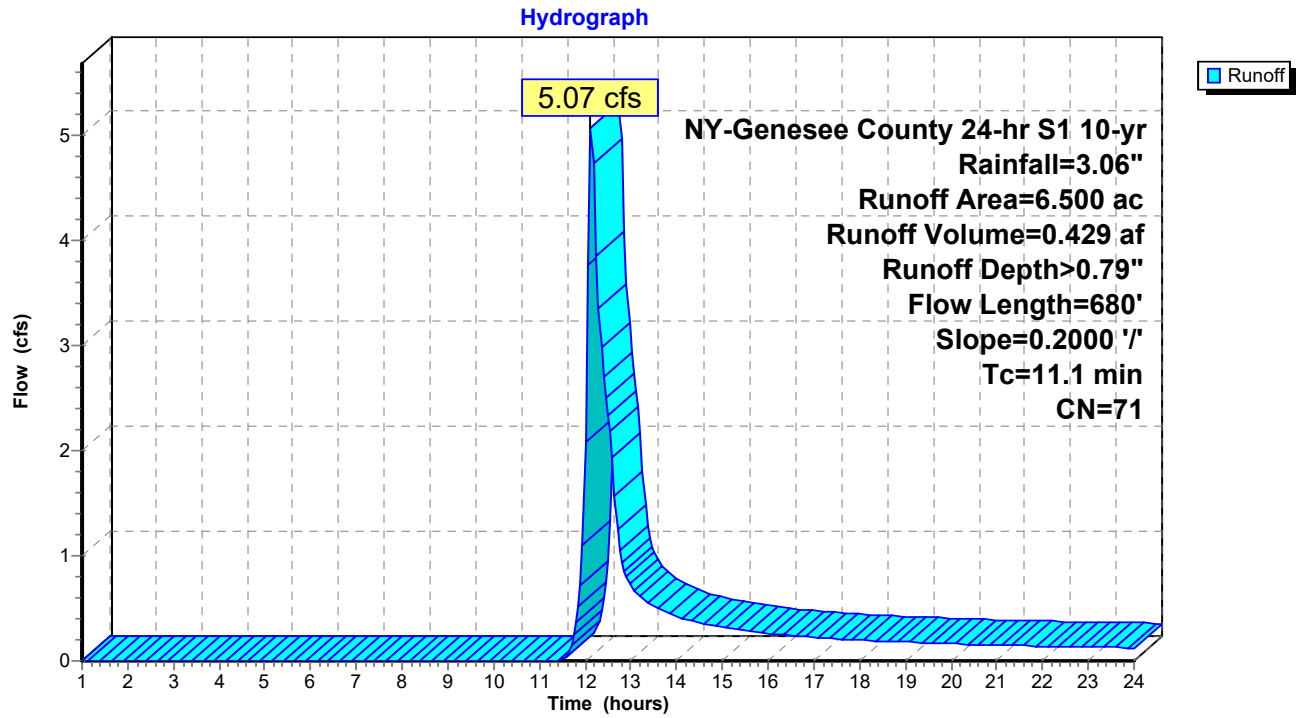
Runoff = 5.07 cfs @ 12.13 hrs, Volume= 0.429 af, Depth> 0.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	6.500	71	
	6.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
0.3	150	0.2000	7.20		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	380		5.00		**Direct Entry,**
11.1	680	Total			

Subcatchment 17S: 17



Summary for Subcatchment 18S: 18

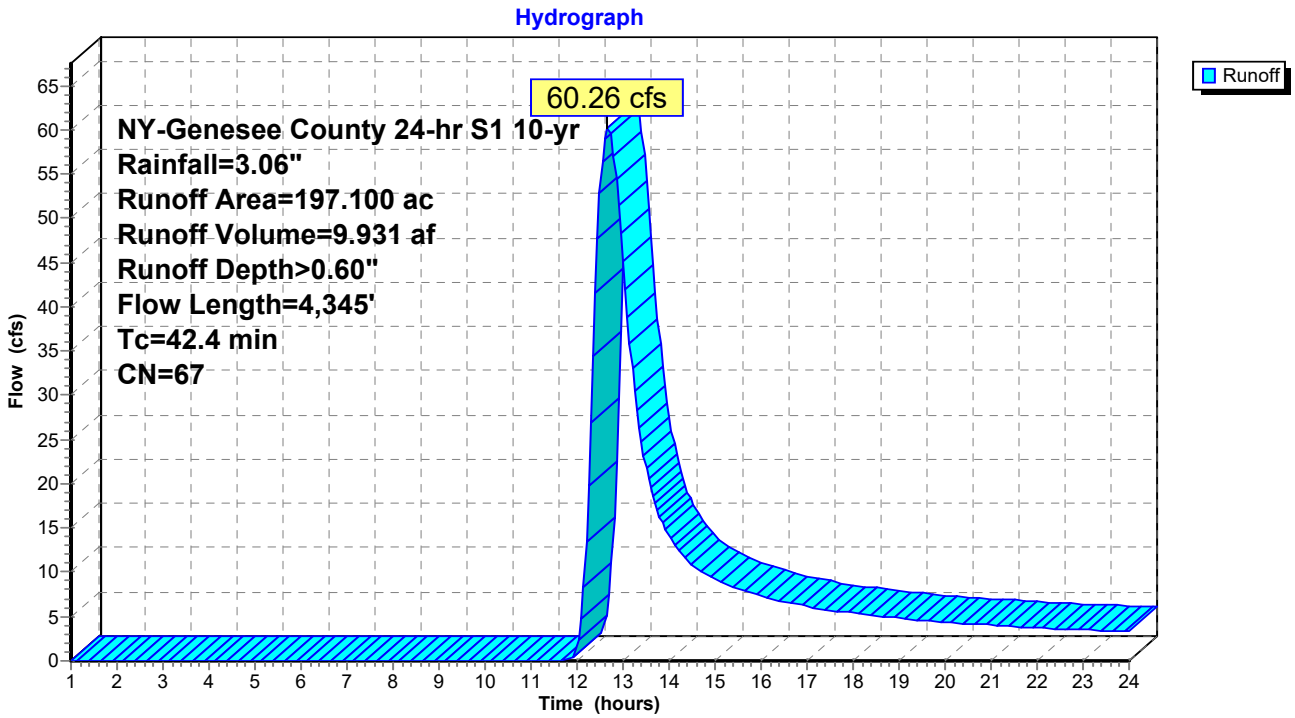
Runoff = 60.26 cfs @ 12.67 hrs, Volume= 9.931 af, Depth> 0.60"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	197.100	67	
	197.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.5	150	0.0330	0.13		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
16.3	2,225	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.6	1,970		5.00		**Direct Entry,**
42.4	4,345	Total			

Subcatchment 18S: 18



Summary for Subcatchment 19S: 19

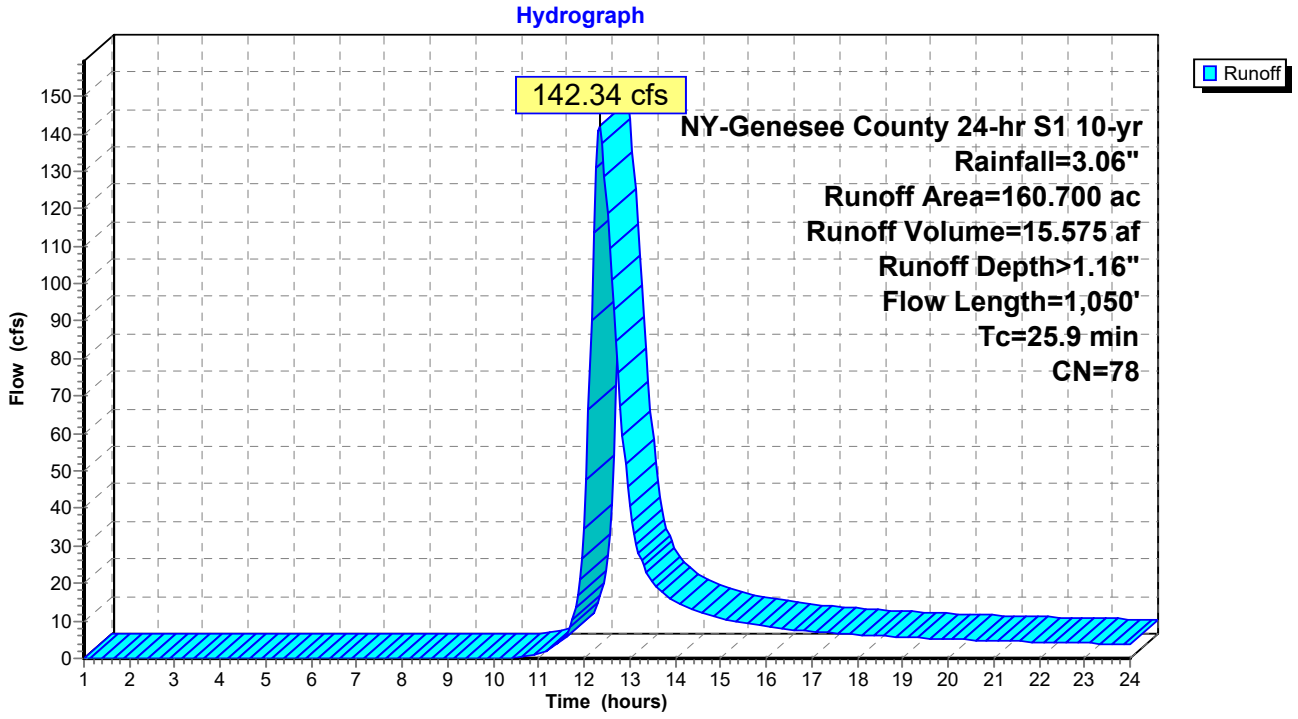
Runoff = 142.34 cfs @ 12.34 hrs, Volume= 15.575 af, Depth> 1.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	160.700	78	
	160.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.9	30	0.1500	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
3.1	900	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
25.9	1,050	Total			

Subcatchment 19S: 19



Summary for Subcatchment 20S: 20

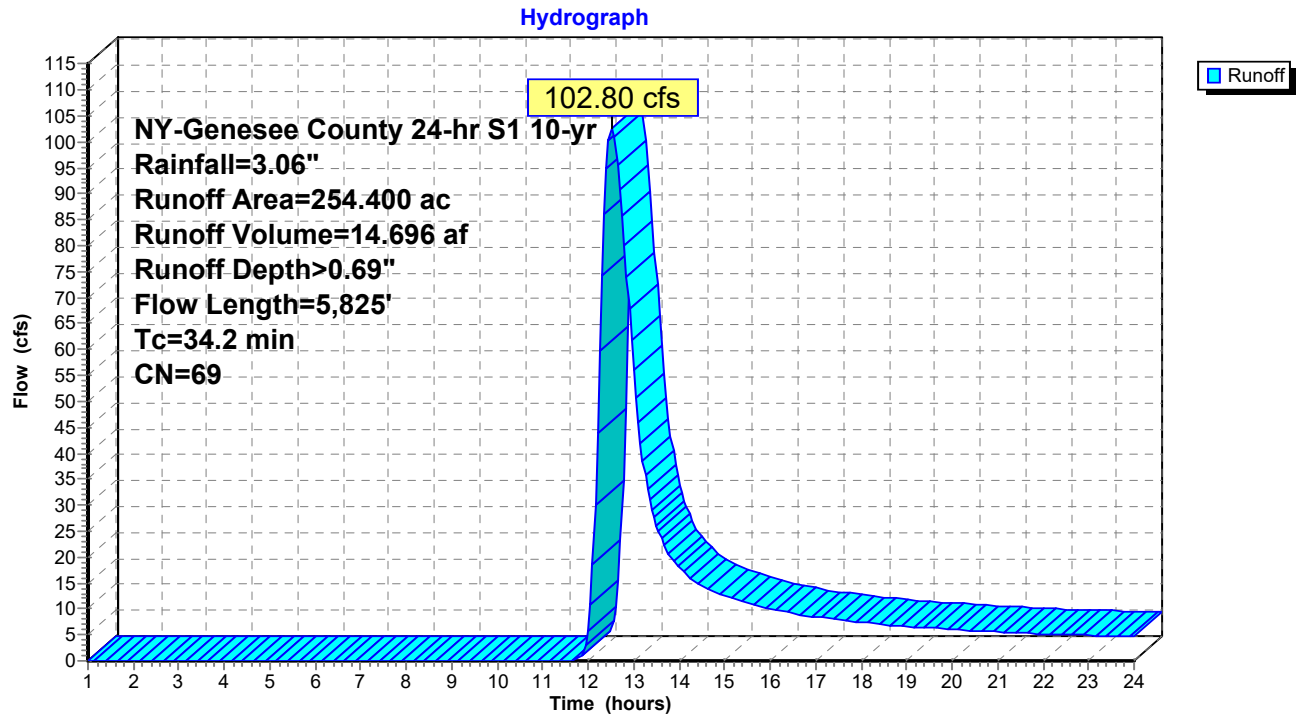
Runoff = 102.80 cfs @ 12.52 hrs, Volume= 14.696 af, Depth> 0.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	254.400	69	
	254.400		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	150	0.1000	0.20		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.8	1,500	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
13.9	4,175		5.00		**Direct Entry,**
34.2	5,825	Total			

Subcatchment 20S: 20



Summary for Subcatchment 21S: 21

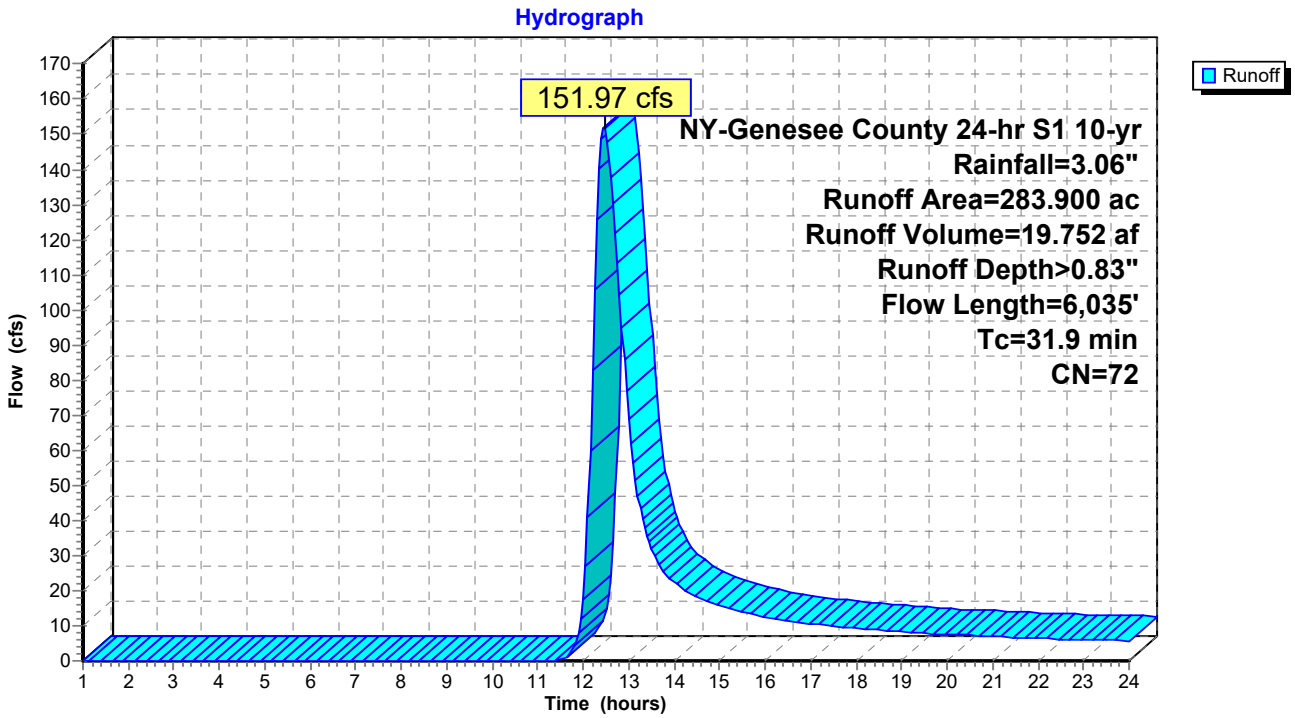
Runoff = 151.97 cfs @ 12.46 hrs, Volume= 19.752 af, Depth> 0.83"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	283.900	72	
	283.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.5	2,260	0.0750	4.41		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
12.1	3,625		5.00		**Direct Entry,**
31.9	6,035	Total			

Subcatchment 21S: 21



Summary for Subcatchment 22S: 22

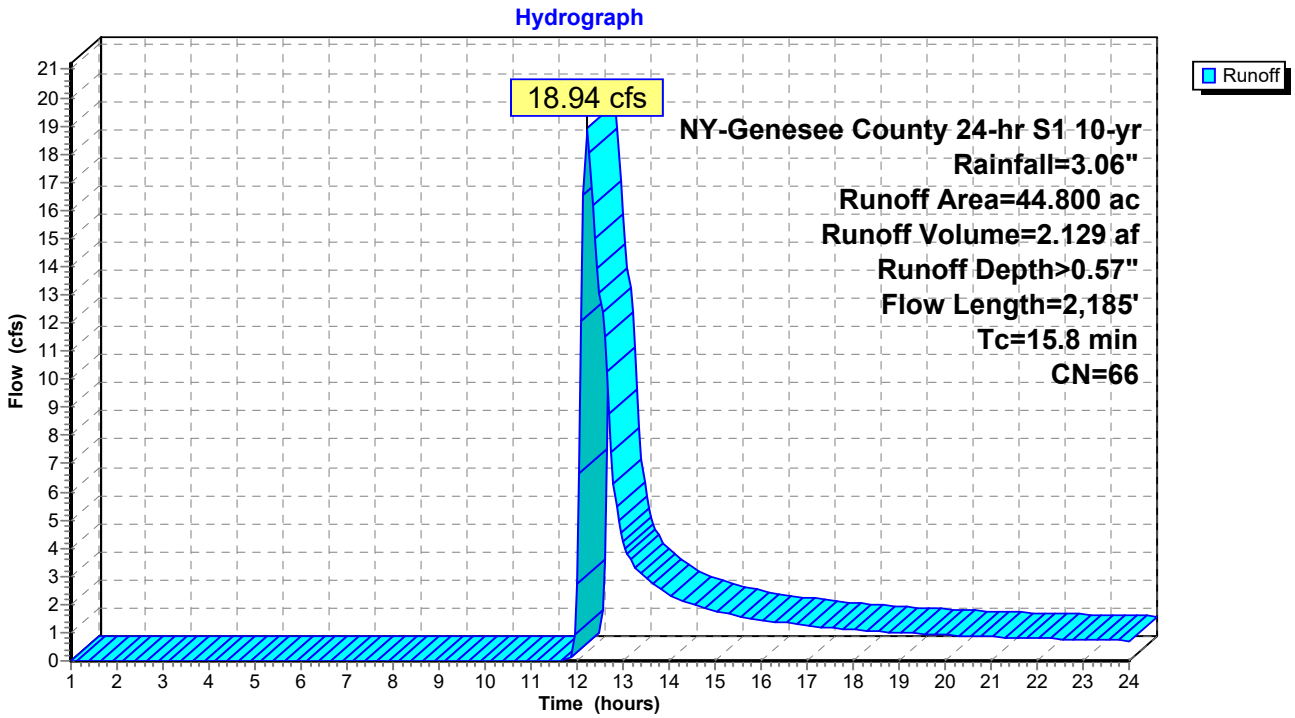
Runoff = 18.94 cfs @ 12.22 hrs, Volume= 2.129 af, Depth> 0.57"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	44.800	66	
	44.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.0	460	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
5.2	1,575		5.00		**Direct Entry,**
15.8	2,185	Total			

Subcatchment 22S: 22



Summary for Subcatchment 23S: 23

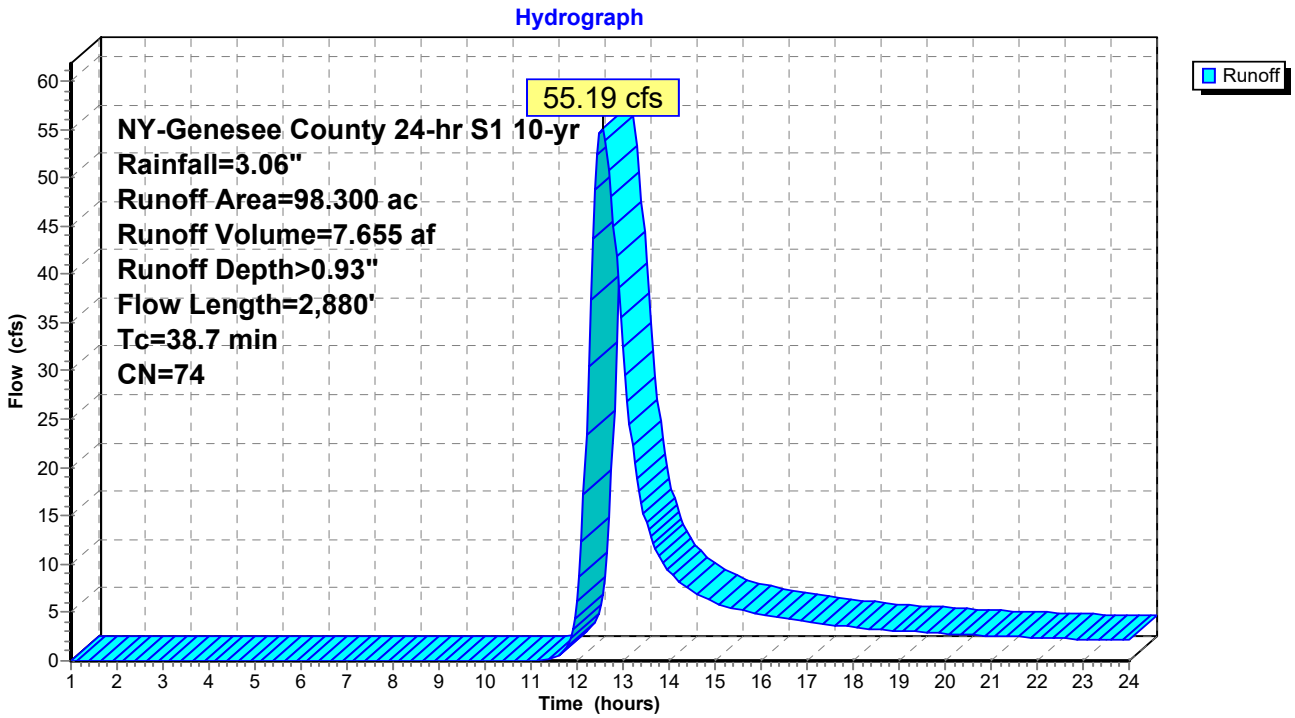
Runoff = 55.19 cfs @ 12.56 hrs, Volume= 7.655 af, Depth> 0.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	98.300	74	
	98.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
11.8	1,800	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
3.1	930		5.00		**Direct Entry,**
38.7	2,880	Total			

Subcatchment 23S: 23



Summary for Subcatchment 24S: 24

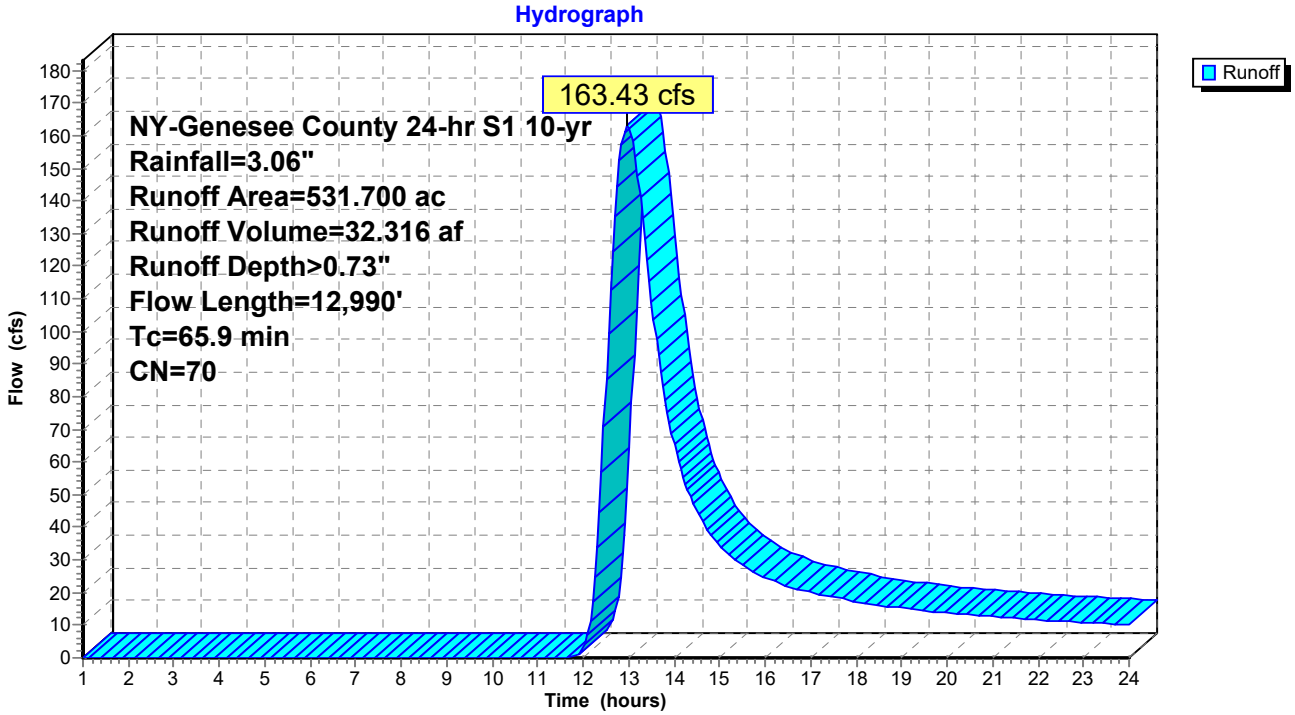
Runoff = 163.43 cfs @ 12.97 hrs, Volume= 32.316 af, Depth> 0.73"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	531.700	70	
	531.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.7	150	0.0670	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
12.4	1,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
38.8	11,640		5.00		**Direct Entry,**
65.9	12,990	Total			

Subcatchment 24S: 24



Summary for Subcatchment 25S: 25

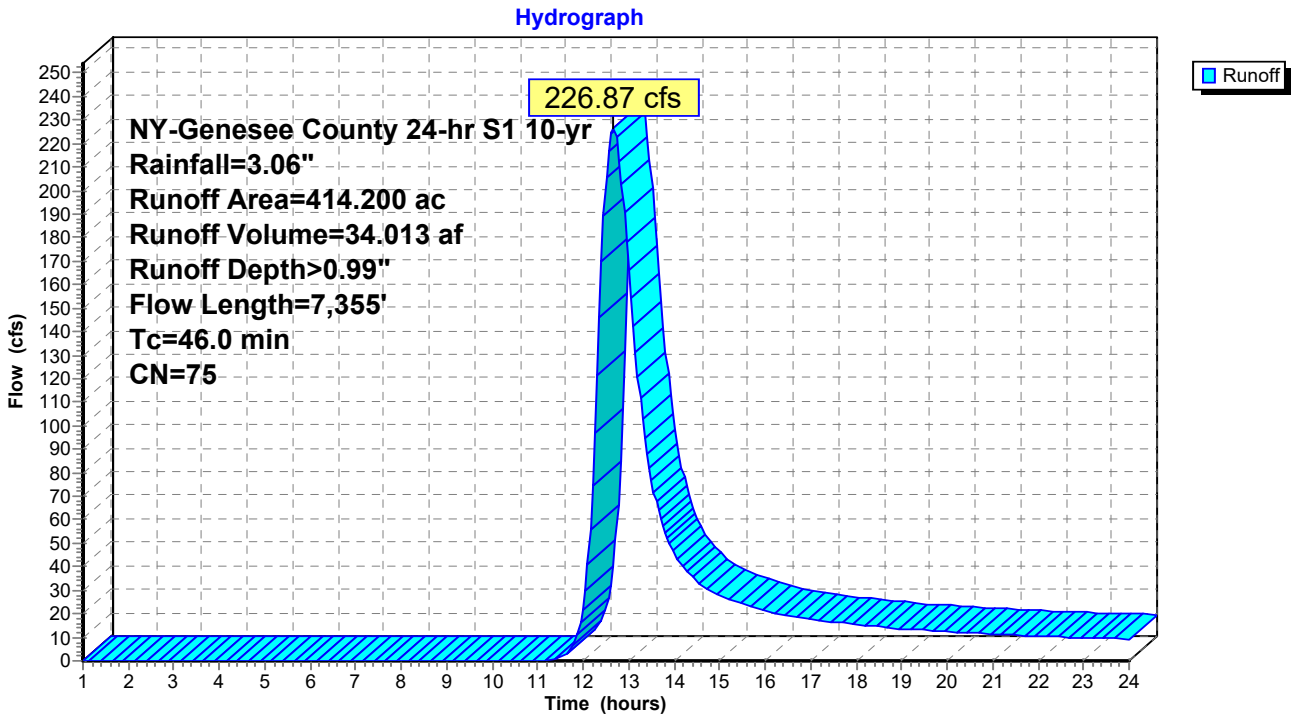
Runoff = 226.87 cfs @ 12.66 hrs, Volume= 34.013 af, Depth> 0.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	414.200	75	
	414.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.0	150	0.0400	0.14		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.1	1,230	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
19.9	5,975		5.00		**Direct Entry,**
46.0	7,355	Total			

Subcatchment 25S: 25



Summary for Subcatchment 26S: 26

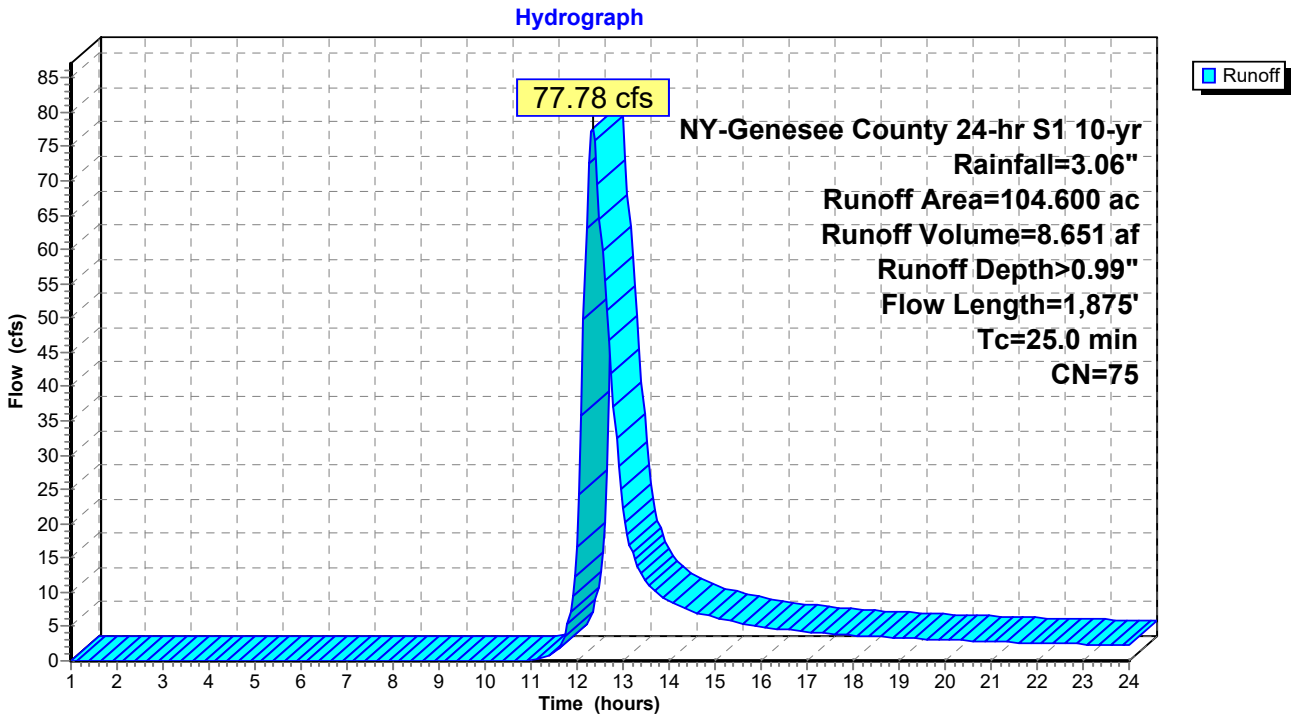
Runoff = 77.78 cfs @ 12.33 hrs, Volume= 8.651 af, Depth> 0.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	104.600	75	
	104.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.3	150	0.0600	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.2	980	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
2.5	745		5.00		**Direct Entry,**
25.0	1,875	Total			

Subcatchment 26S: 26



Summary for Subcatchment 27S: 27

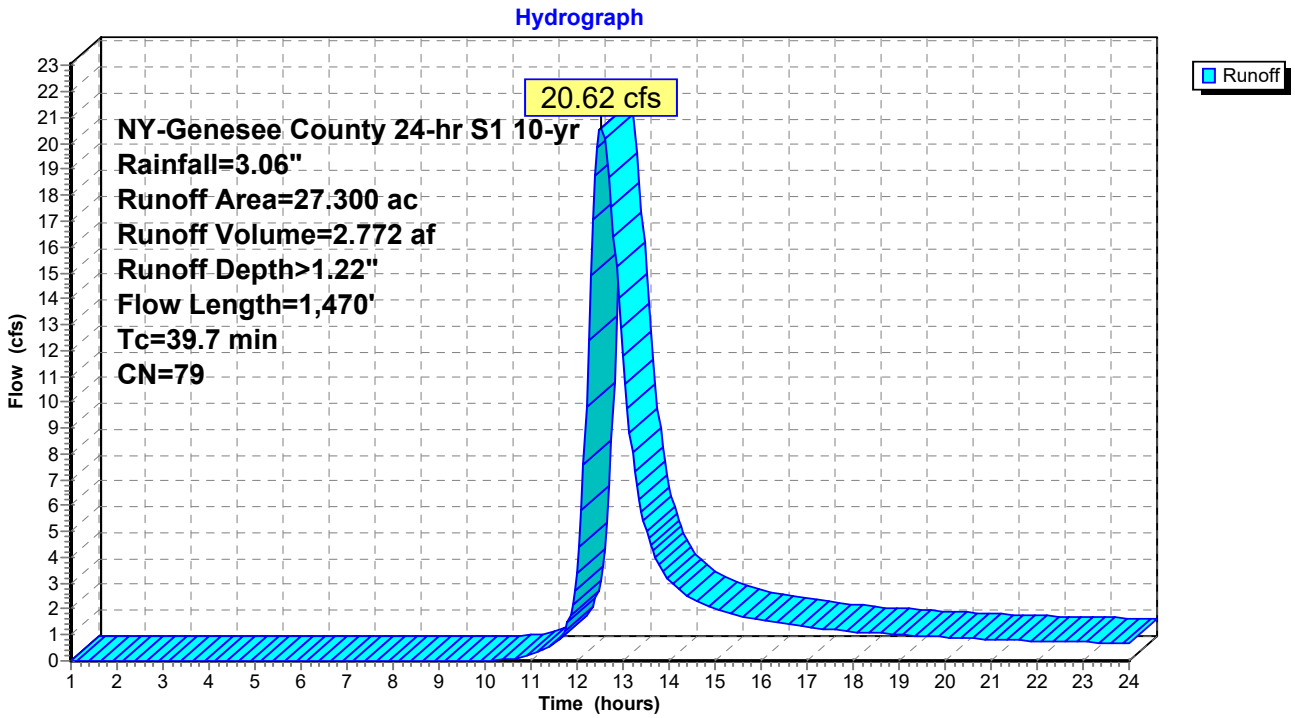
Runoff = 20.62 cfs @ 12.54 hrs, Volume= 2.772 af, Depth> 1.22"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	27.300	79	
	27.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	770	0.0150	1.97		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	550		5.00		**Direct Entry,**
39.7	1,470	Total			

Subcatchment 27S: 27



Summary for Subcatchment 28S: 28

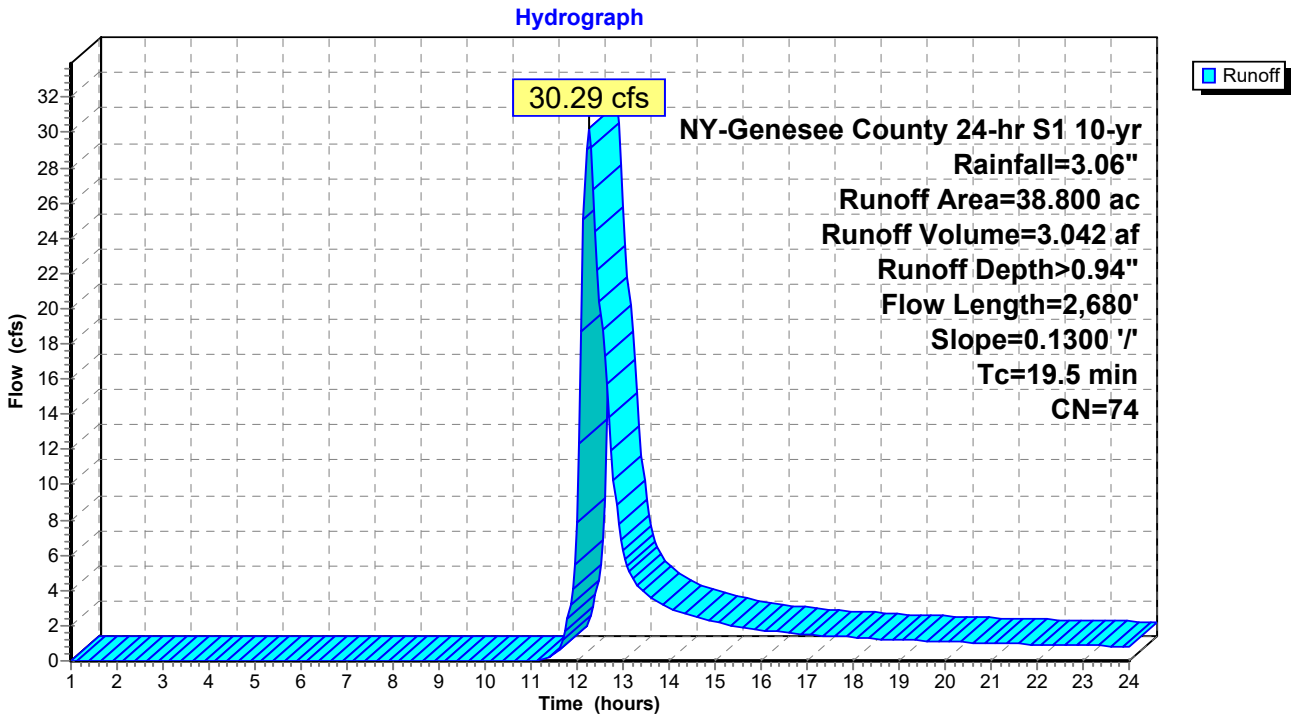
Runoff = 30.29 cfs @ 12.25 hrs, Volume= 3.042 af, Depth> 0.94"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	38.800	74	
	38.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.8	620	0.1300	5.80		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.4	1,910		5.00		**Direct Entry,**
19.5	2,680	Total			

Subcatchment 28S: 28



Summary for Subcatchment 29S: 29

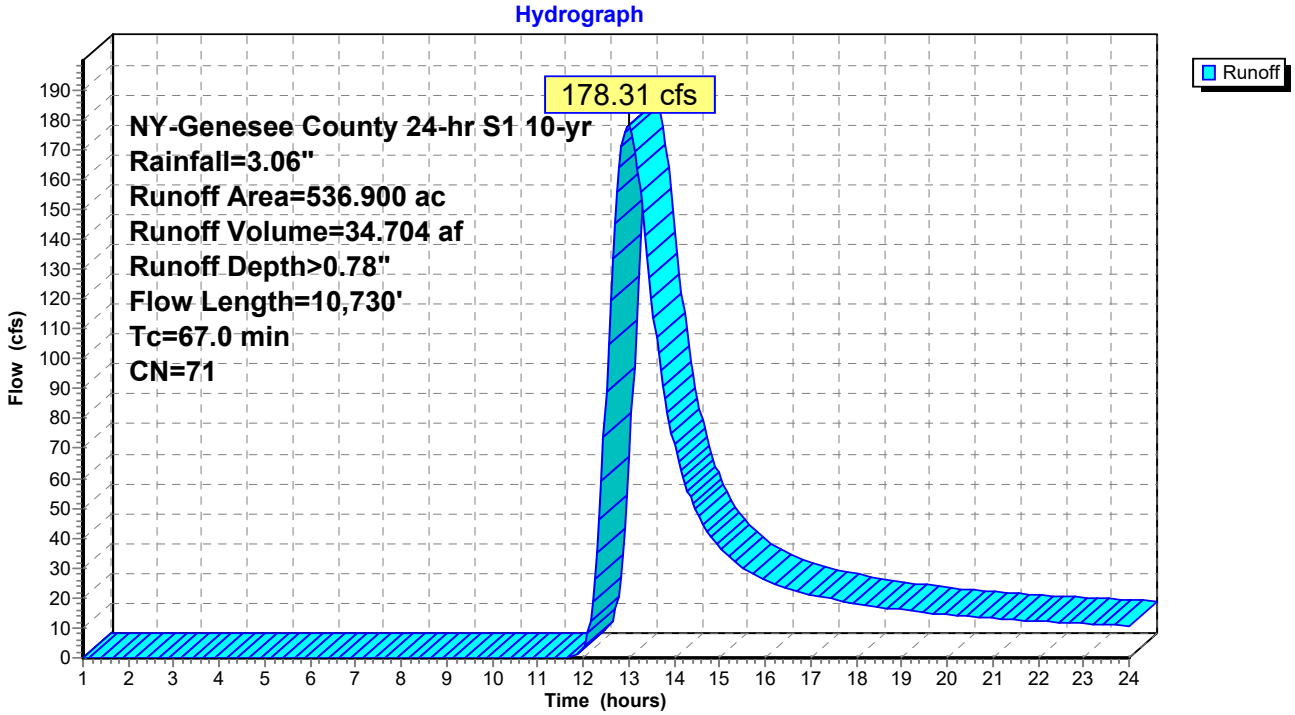
Runoff = 178.31 cfs @ 12.99 hrs, Volume= 34.704 af, Depth> 0.78"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	536.900	71	
	536.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	700	0.0700	4.26		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
32.9	9,880		5.00		**Direct Entry,**
67.0	10,730	Total			

Subcatchment 29S: 29



Summary for Subcatchment 30S: 30

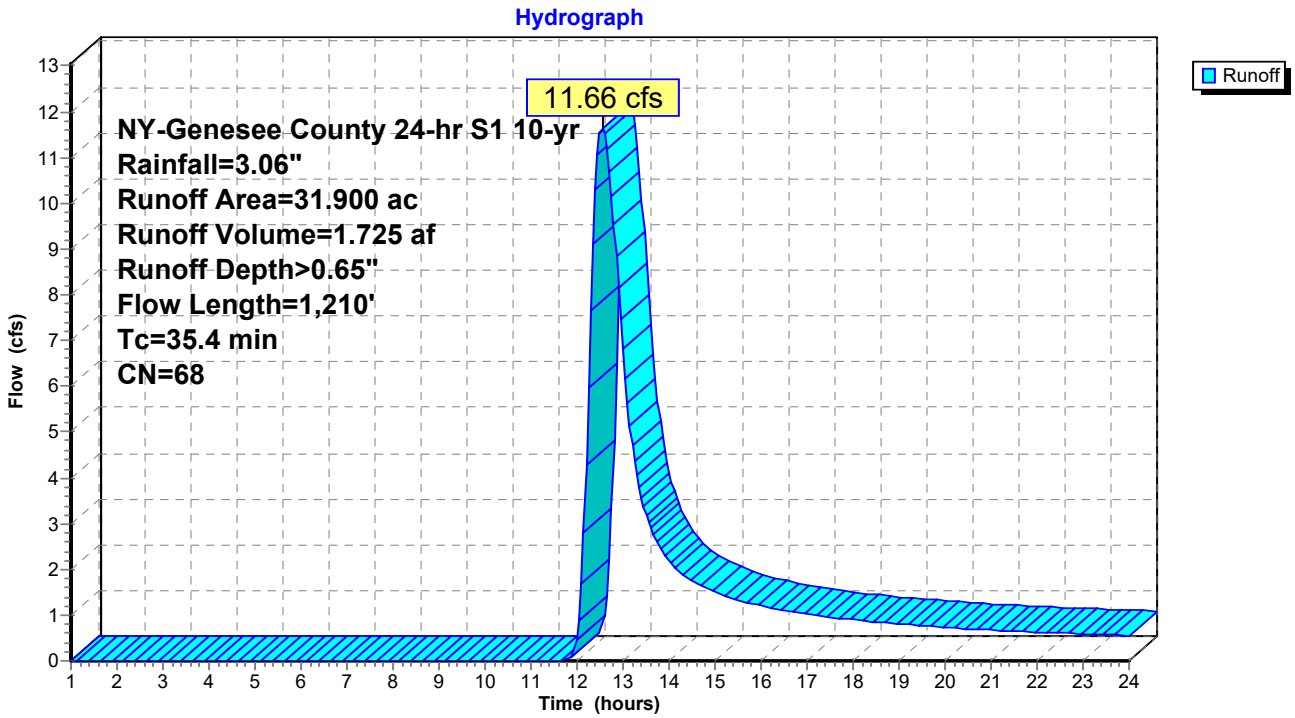
Runoff = 11.66 cfs @ 12.55 hrs, Volume= 1.725 af, Depth> 0.65"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	31.900	68	
	31.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	670	0.0670	4.17		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	390		5.00		**Direct Entry,**
35.4	1,210	Total			

Subcatchment 30S: 30



Summary for Subcatchment 44S: 16.1

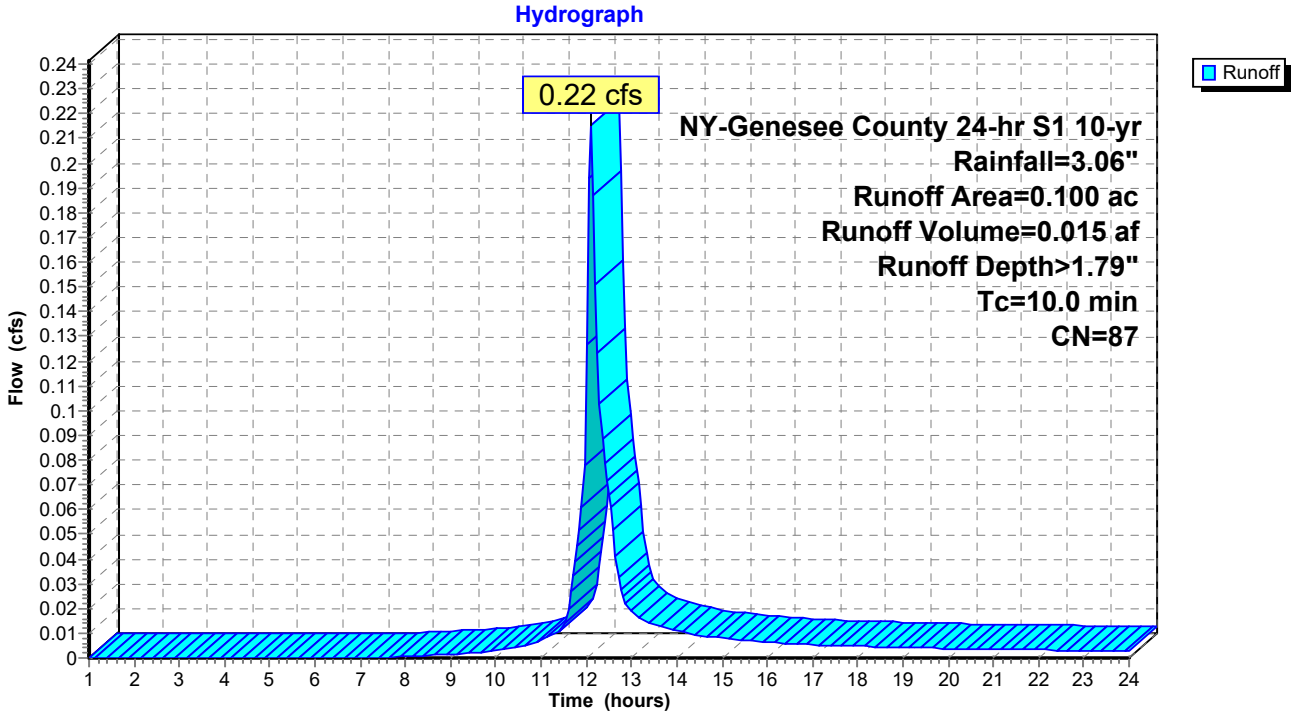
Runoff = 0.22 cfs @ 12.10 hrs, Volume= 0.015 af, Depth> 1.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	0.100	87	
	0.100		100.00% Pervious Area

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

Subcatchment 44S: 16.1



Summary for Subcatchment 45S: 18.1

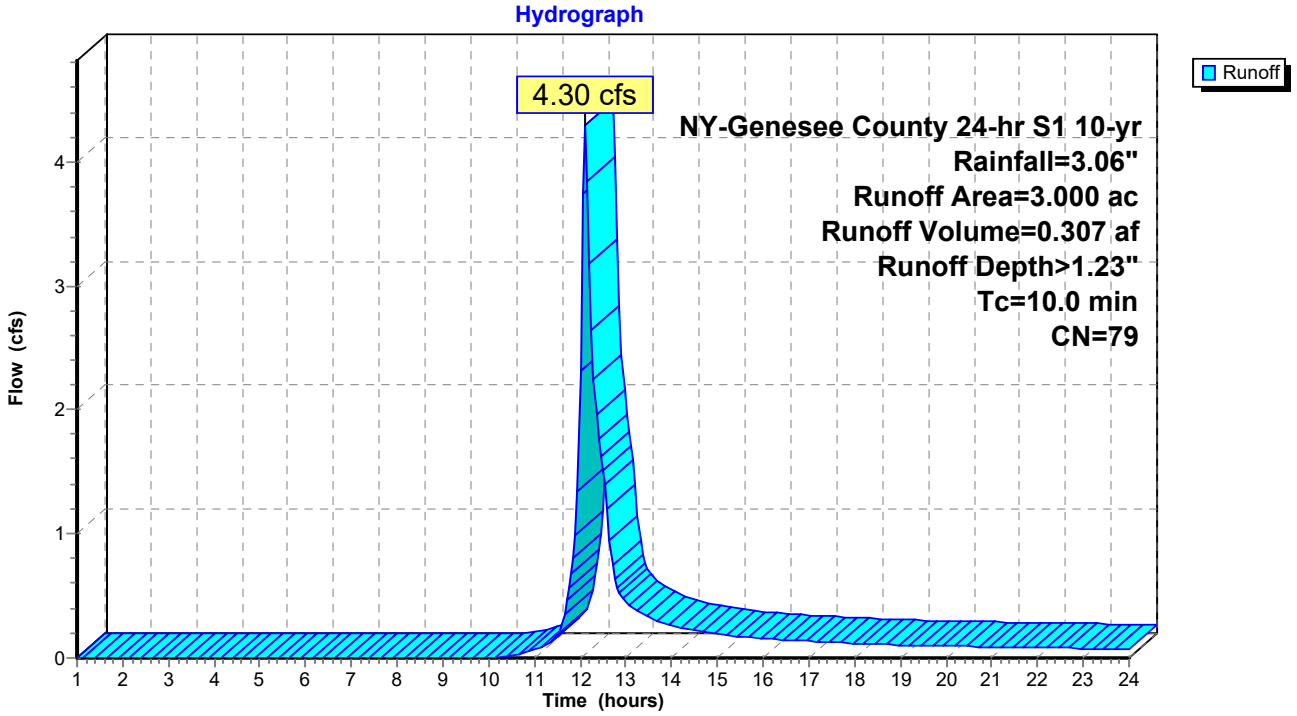
Runoff = 4.30 cfs @ 12.10 hrs, Volume= 0.307 af, Depth> 1.23"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	3.000	79	
	3.000		100.00% Pervious Area

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

Subcatchment 45S: 18.1



Summary for Subcatchment 46S: 19.1

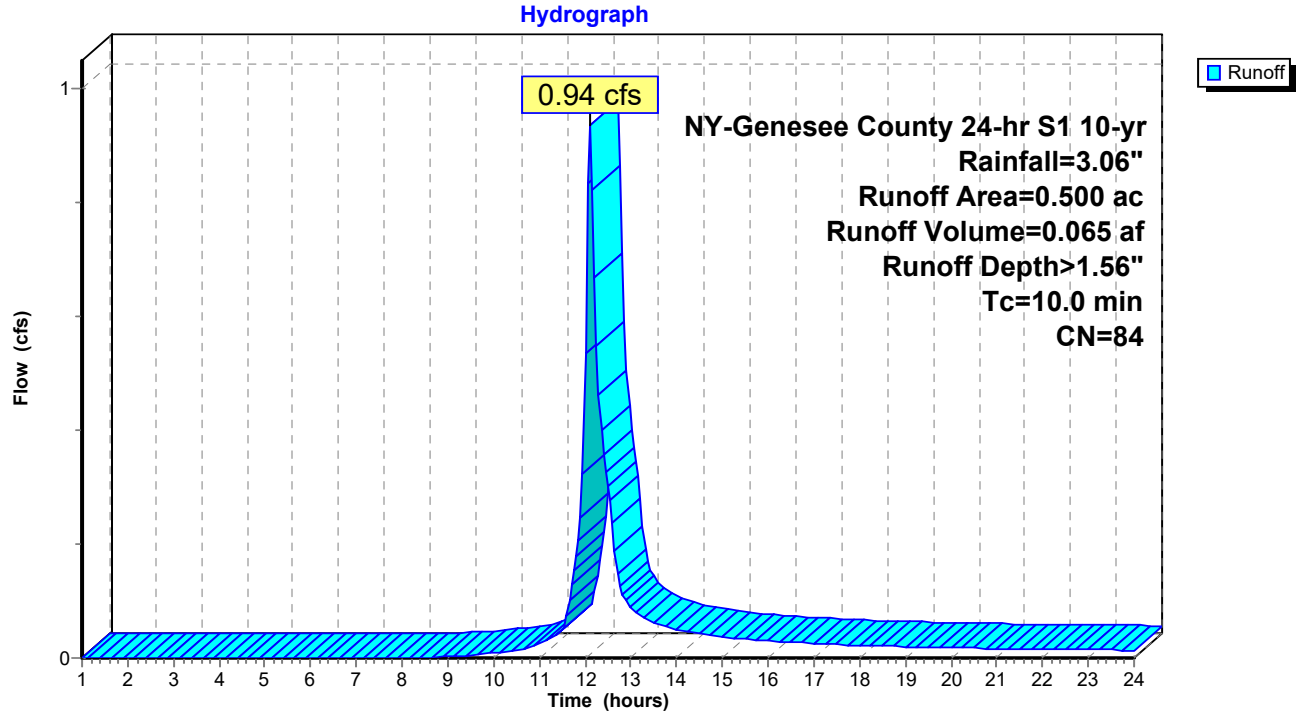
Runoff = 0.94 cfs @ 12.10 hrs, Volume= 0.065 af, Depth> 1.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	0.500	84	
	0.500		100.00% Pervious Area

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

Subcatchment 46S: 19.1



Summary for Subcatchment 47S: 21.1

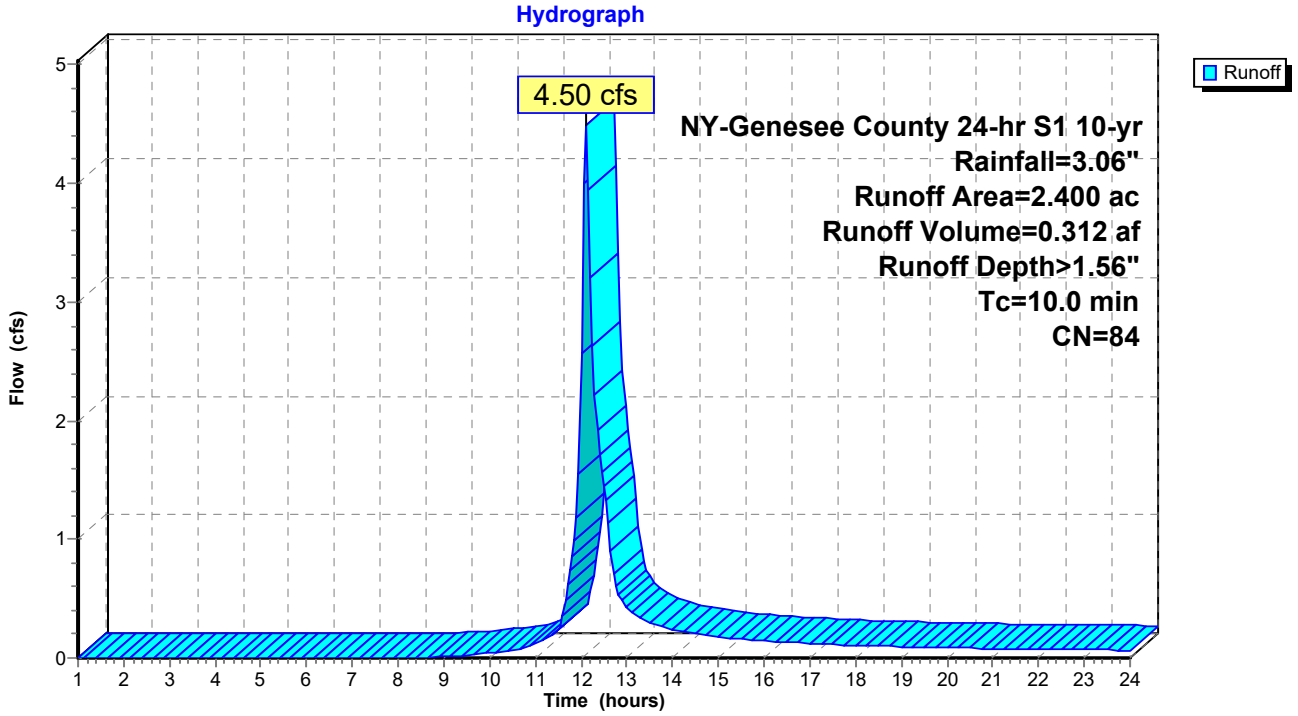
Runoff = 4.50 cfs @ 12.10 hrs, Volume= 0.312 af, Depth> 1.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	2.400	84	
	2.400		100.00% Pervious Area

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

Subcatchment 47S: 21.1



Summary for Subcatchment 48S: 23.1

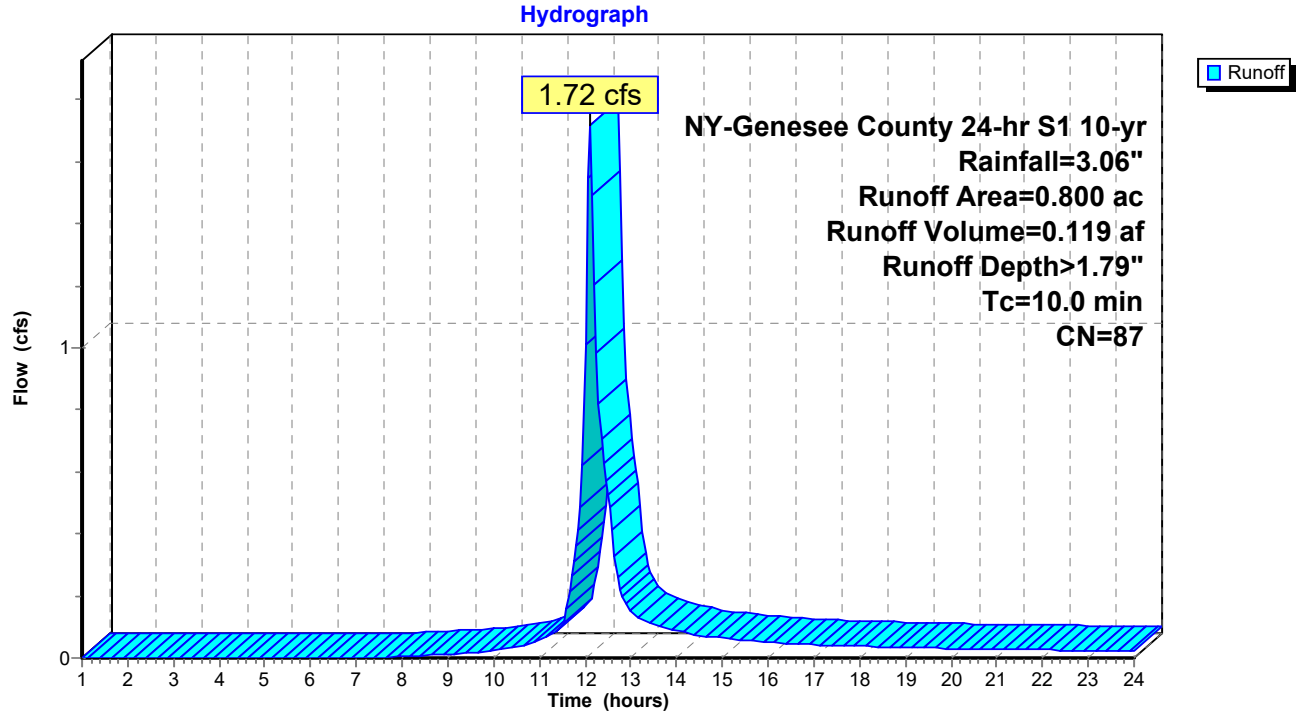
Runoff = 1.72 cfs @ 12.10 hrs, Volume= 0.119 af, Depth> 1.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	0.800	87	
	0.800		100.00% Pervious Area

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

Subcatchment 48S: 23.1



Summary for Subcatchment 49S: 24.1

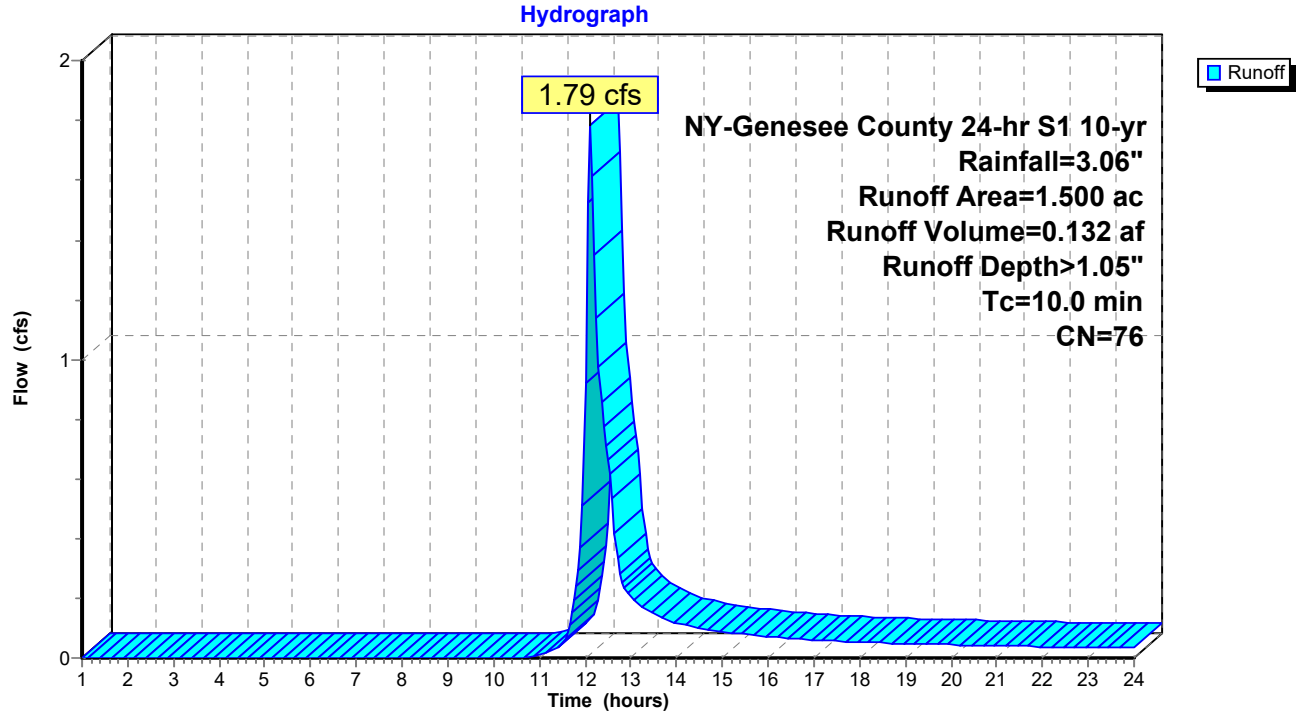
Runoff = 1.79 cfs @ 12.11 hrs, Volume= 0.132 af, Depth> 1.05"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	1.500	76	
	1.500		100.00% Pervious Area

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

Subcatchment 49S: 24.1



Summary for Subcatchment 50S: 25.1

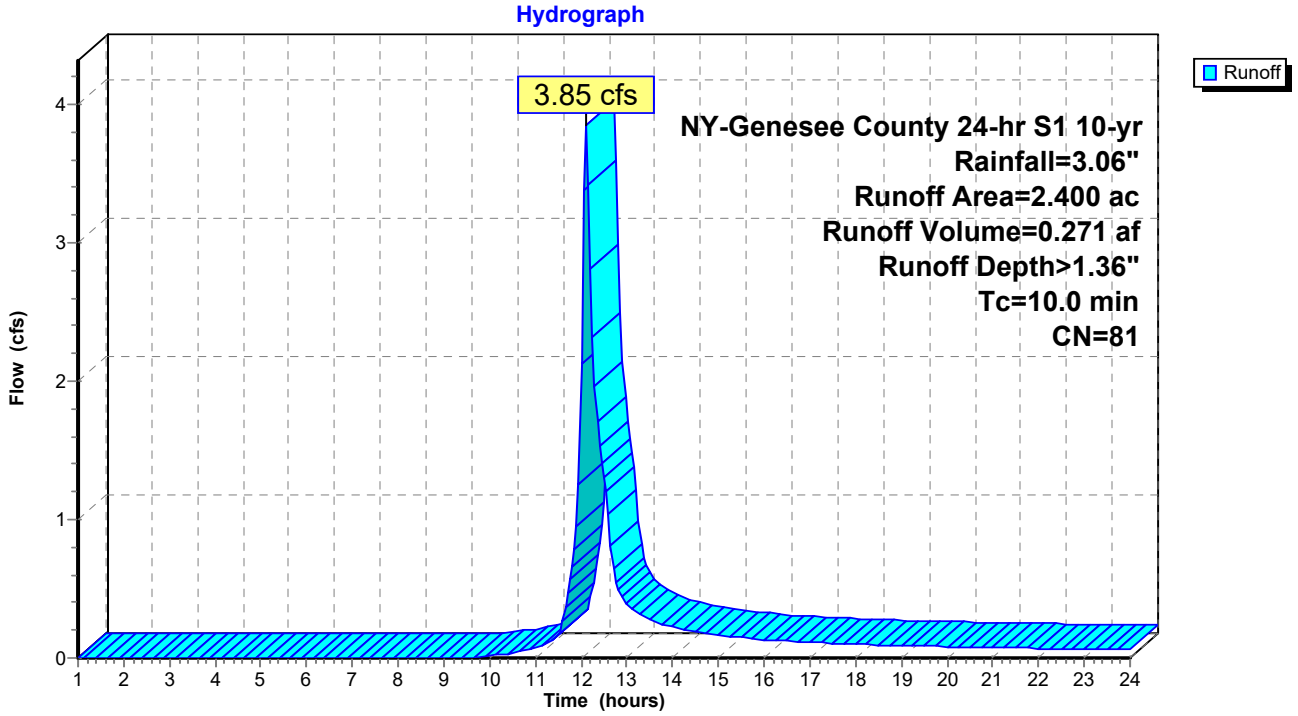
Runoff = 3.85 cfs @ 12.10 hrs, Volume= 0.271 af, Depth> 1.36"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	2.400	81	
	2.400		100.00% Pervious Area

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

Subcatchment 50S: 25.1



Summary for Subcatchment 51S: 26.1

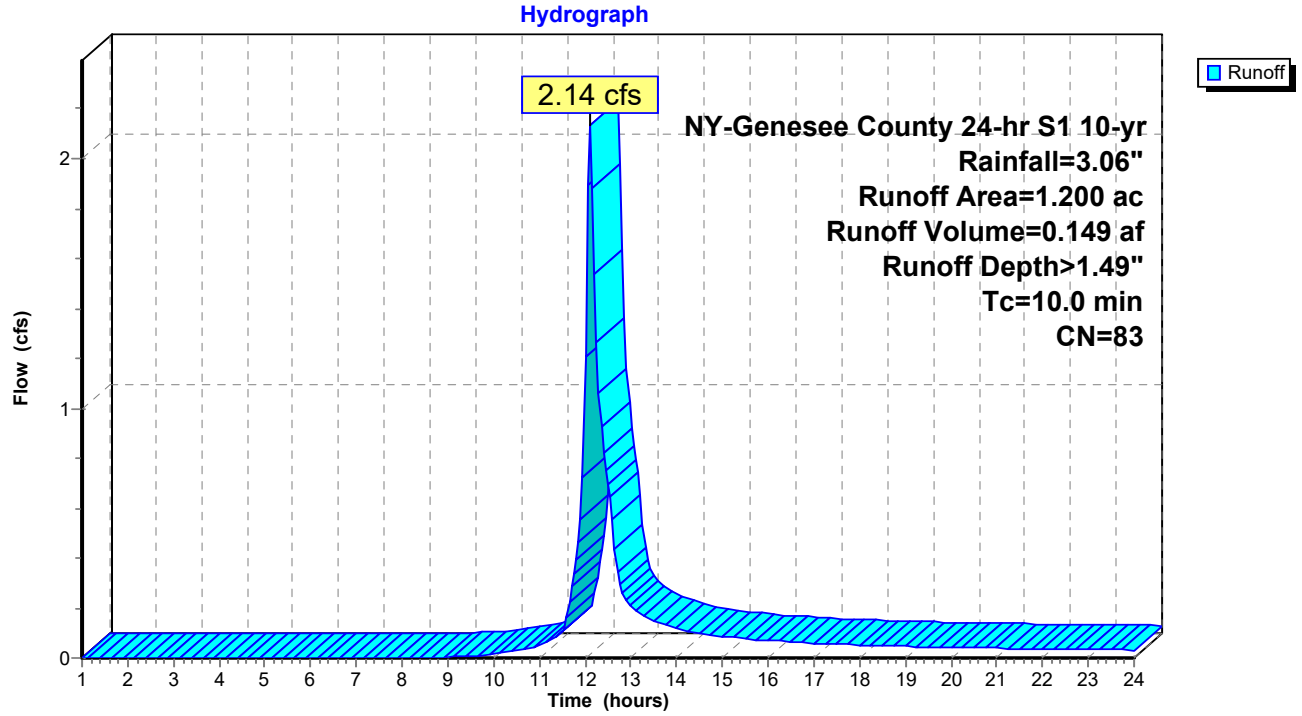
Runoff = 2.14 cfs @ 12.10 hrs, Volume= 0.149 af, Depth> 1.49"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	1.200	83	
	1.200		100.00% Pervious Area

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

Subcatchment 51S: 26.1



Summary for Subcatchment 52S: 27.1

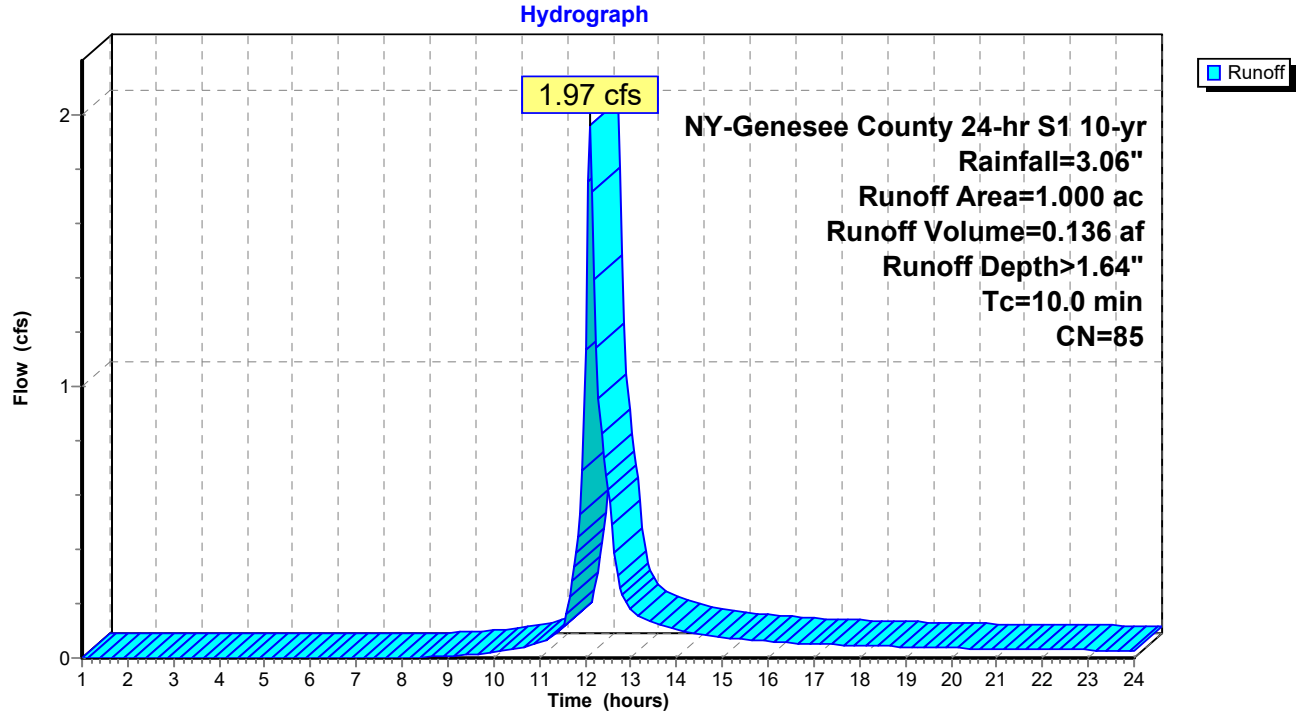
Runoff = 1.97 cfs @ 12.10 hrs, Volume= 0.136 af, Depth> 1.64"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	1.000	85	
	1.000		100.00% Pervious Area

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

Subcatchment 52S: 27.1



Summary for Subcatchment 53S: 28.1

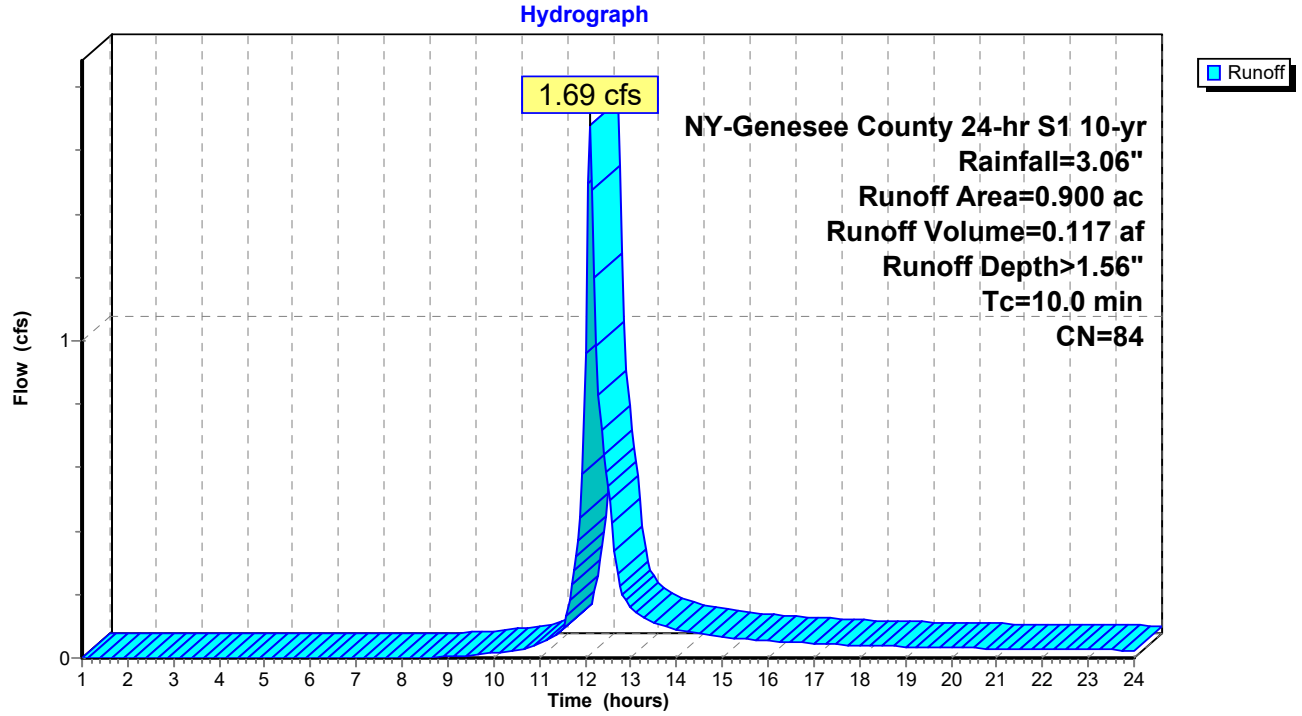
Runoff = 1.69 cfs @ 12.10 hrs, Volume= 0.117 af, Depth> 1.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	0.900	84	
	0.900		100.00% Pervious Area

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

Subcatchment 53S: 28.1



Summary for Subcatchment 54S: 29.1

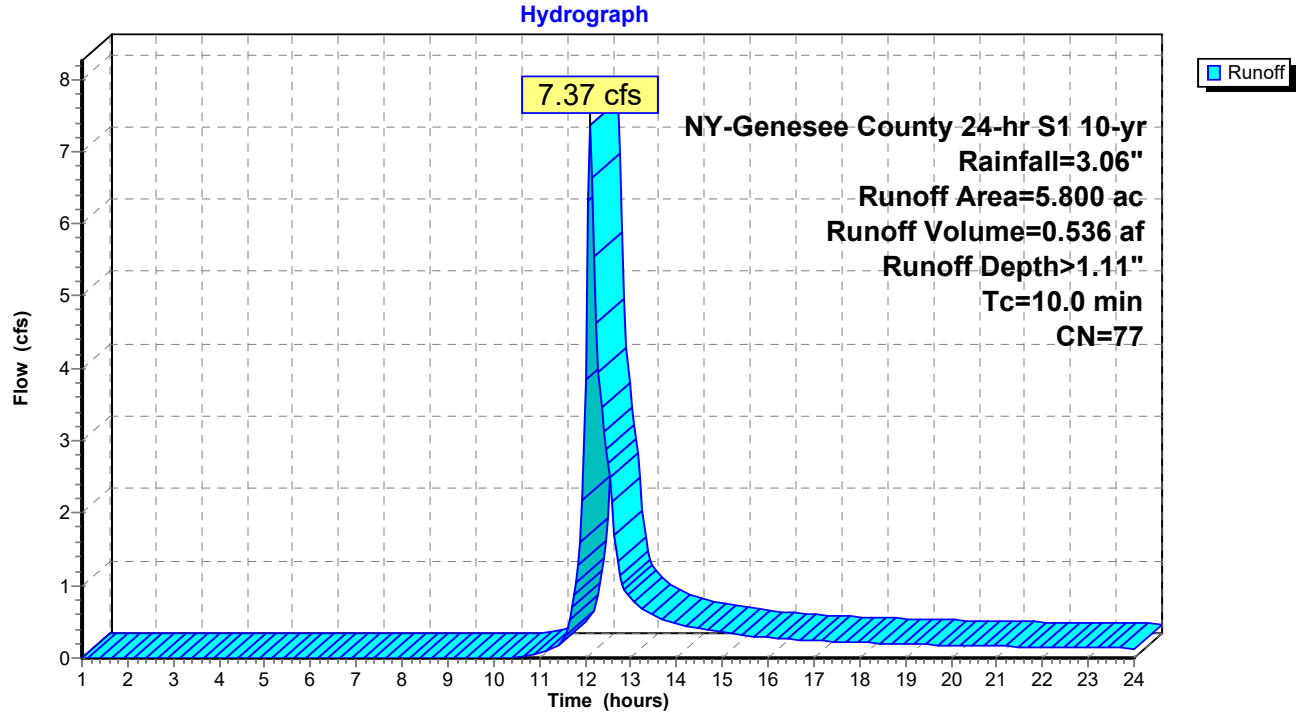
Runoff = 7.37 cfs @ 12.10 hrs, Volume= 0.536 af, Depth> 1.11"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 10-yr Rainfall=3.06"

	Area (ac)	CN	Description
*	5.800	77	
	5.800		100.00% Pervious Area

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

Subcatchment 54S: 29.1



Summary for Pond 16P: Dry Swale 16

Inflow Area = 0.100 ac, 0.00% Impervious, Inflow Depth > 1.79" for 10-yr event
Inflow = 0.22 cfs @ 12.10 hrs, Volume= 0.015 af
Outflow = 0.01 cfs @ 13.78 hrs, Volume= 0.012 af, Atten= 94%, Lag= 101.1 min
Discarded = 0.01 cfs @ 13.78 hrs, Volume= 0.012 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.45' @ 13.78 hrs Surf.Area= 0.022 ac Storage= 0.008 af

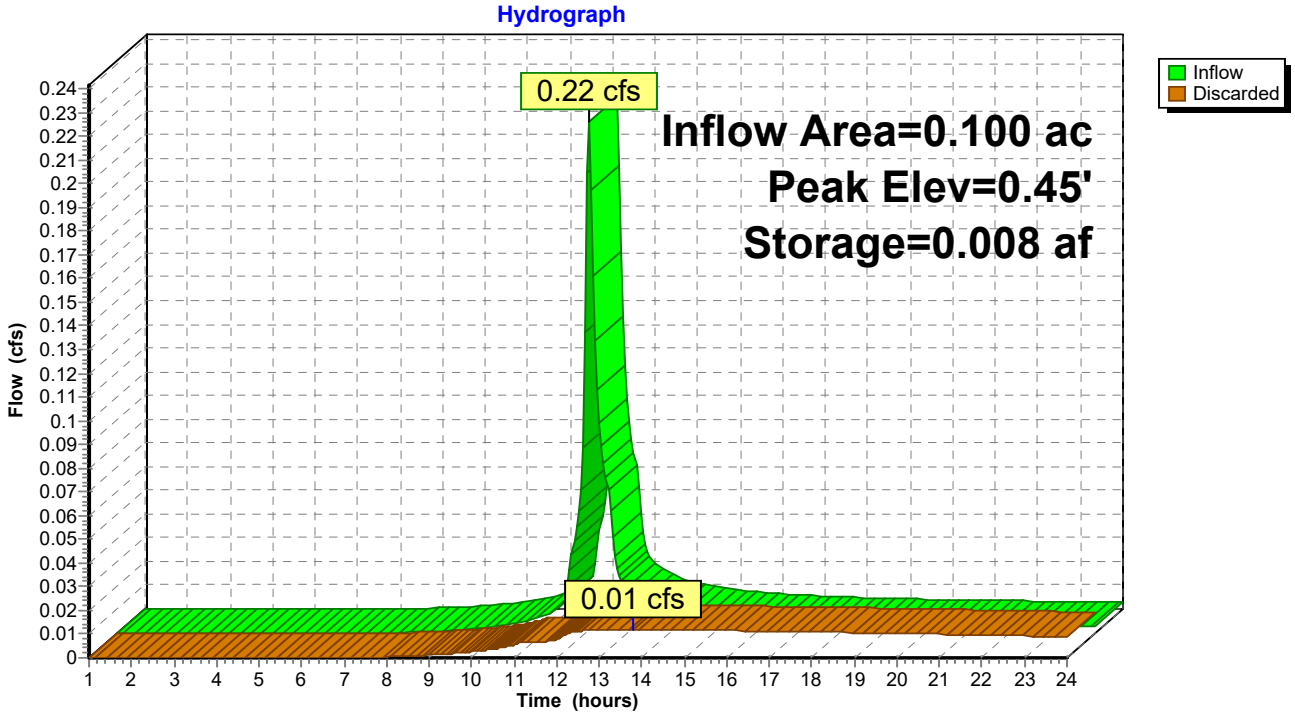
Plug-Flow detention time= 285.1 min calculated for 0.012 af (79% of inflow)
Center-of-Mass det. time= 201.6 min (1,026.1 - 824.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.023 af	**4.00'W x 140.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.01 cfs @ 13.78 hrs HW=0.45' (Free Discharge)
1=Exfiltration (Controls 0.01 cfs)

Pond 16P: Dry Swale 16



Summary for Pond 18P: Dry Swale 18

Inflow Area = 3.000 ac, 0.00% Impervious, Inflow Depth > 1.23" for 10-yr event
Inflow = 4.30 cfs @ 12.10 hrs, Volume= 0.307 af
Outflow = 0.31 cfs @ 13.61 hrs, Volume= 0.283 af, Atten= 93%, Lag= 90.2 min
Discarded = 0.31 cfs @ 13.61 hrs, Volume= 0.283 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.30' @ 13.61 hrs Surf.Area= 0.581 ac Storage= 0.148 af

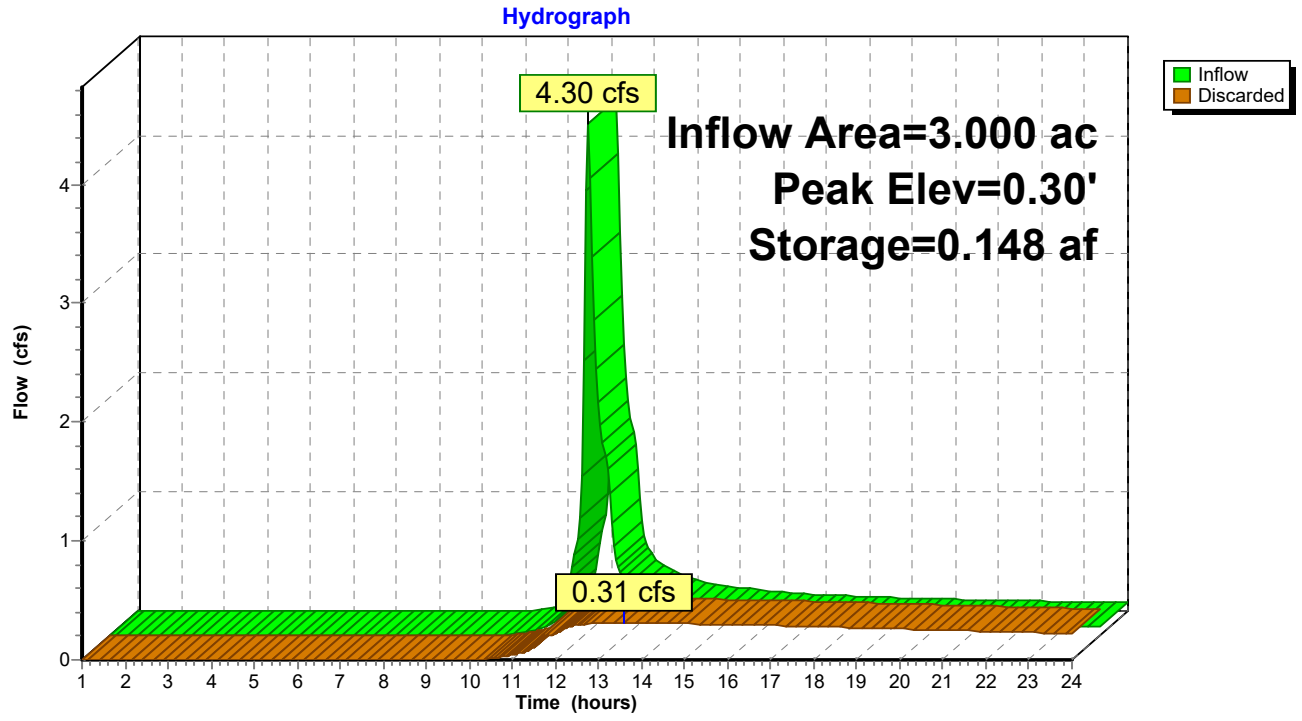
Plug-Flow detention time= 236.6 min calculated for 0.283 af (92% of inflow)
Center-of-Mass det. time= 195.6 min (1,047.3 - 851.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.700 af	**4.00'W x 4,350.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.31 cfs @ 13.61 hrs HW=0.30' (Free Discharge)
1=Exfiltration (Controls 0.31 cfs)

Pond 18P: Dry Swale 18



Summary for Pond 19P: Dry Swale 19

Inflow Area = 0.500 ac, 0.00% Impervious, Inflow Depth > 1.56" for 10-yr event
Inflow = 0.94 cfs @ 12.10 hrs, Volume= 0.065 af
Outflow = 0.06 cfs @ 13.72 hrs, Volume= 0.054 af, Atten= 94%, Lag= 97.2 min
Discarded = 0.06 cfs @ 13.72 hrs, Volume= 0.054 af

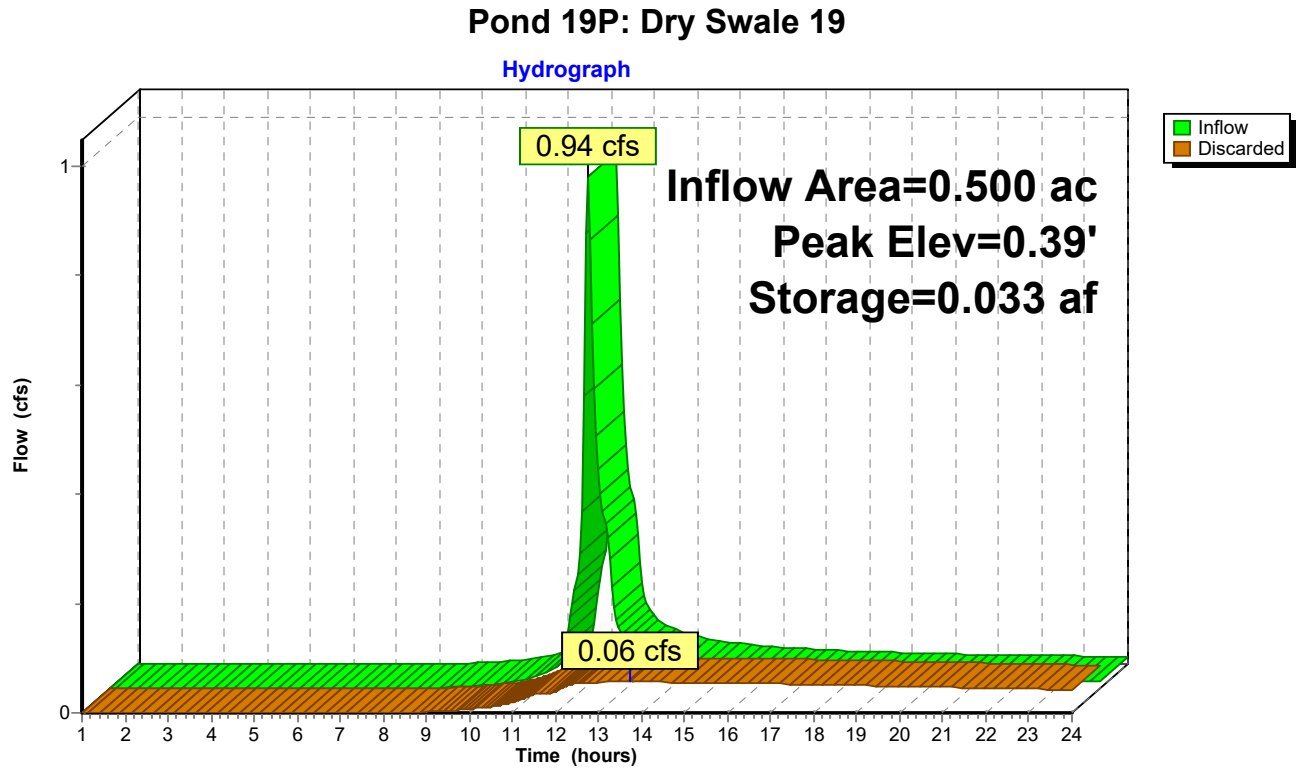
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.39' @ 13.72 hrs Surf.Area= 0.106 ac Storage= 0.033 af

Plug-Flow detention time= 273.0 min calculated for 0.054 af (83% of inflow)
Center-of-Mass det. time= 200.9 min (1,036.1 - 835.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.117 af	**4.00'W x 725.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.06 cfs @ 13.72 hrs HW=0.39' (Free Discharge)
1=Exfiltration (Controls 0.06 cfs)



Summary for Pond 21P: Dry Swale 21

Inflow Area = 2.400 ac, 0.00% Impervious, Inflow Depth > 1.56" for 10-yr event
Inflow = 4.50 cfs @ 12.10 hrs, Volume= 0.312 af
Outflow = 0.27 cfs @ 13.72 hrs, Volume= 0.261 af, Atten= 94%, Lag= 97.4 min
Discarded = 0.27 cfs @ 13.72 hrs, Volume= 0.261 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.39' @ 13.72 hrs Surf.Area= 0.506 ac Storage= 0.160 af

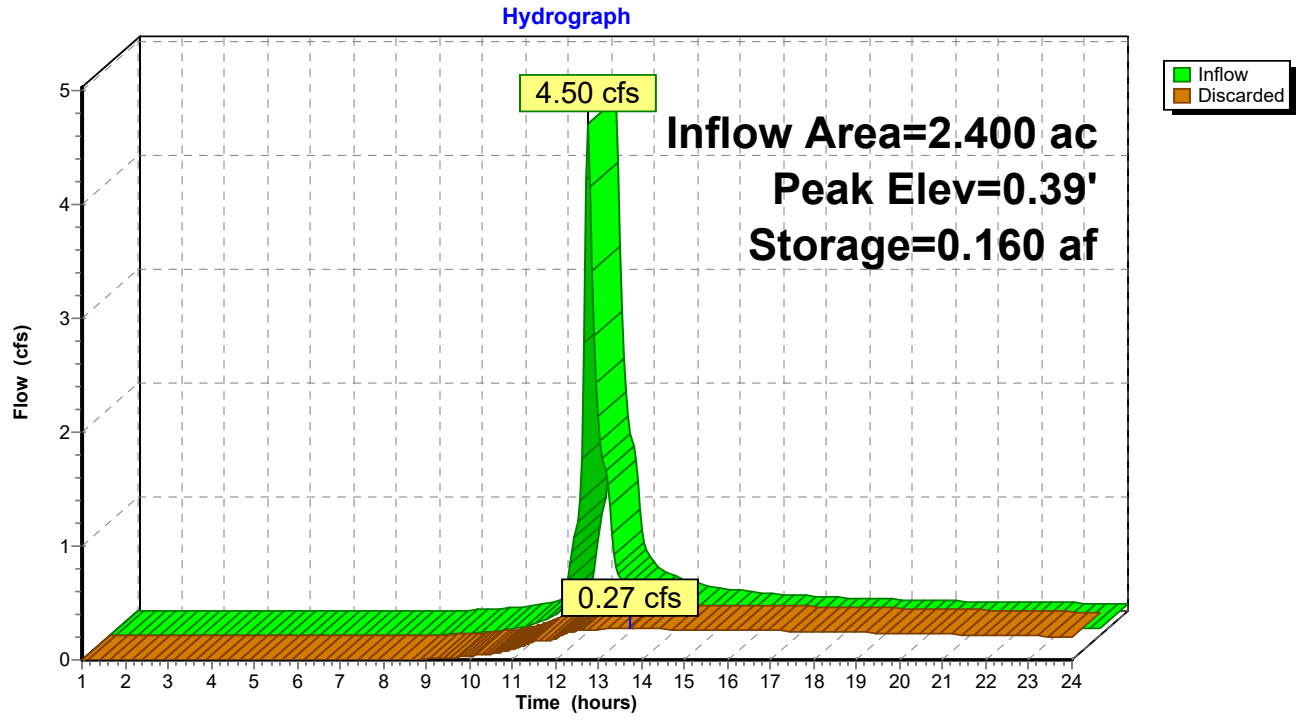
Plug-Flow detention time= 273.7 min calculated for 0.261 af (83% of inflow)
Center-of-Mass det. time= 200.9 min (1,036.2 - 835.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.560 af	**4.00'W x 3,480.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.27 cfs @ 13.72 hrs HW=0.39' (Free Discharge)
1=Exfiltration (Controls 0.27 cfs)

Pond 21P: Dry Swale 21



Summary for Pond 23P: Dry Swale 23

Inflow Area = 0.800 ac, 0.00% Impervious, Inflow Depth > 1.79" for 10-yr event
Inflow = 1.72 cfs @ 12.10 hrs, Volume= 0.119 af
Outflow = 0.10 cfs @ 13.76 hrs, Volume= 0.095 af, Atten= 94%, Lag= 100.0 min
Discarded = 0.10 cfs @ 13.76 hrs, Volume= 0.095 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.44' @ 13.76 hrs Surf.Area= 0.178 ac Storage= 0.063 af

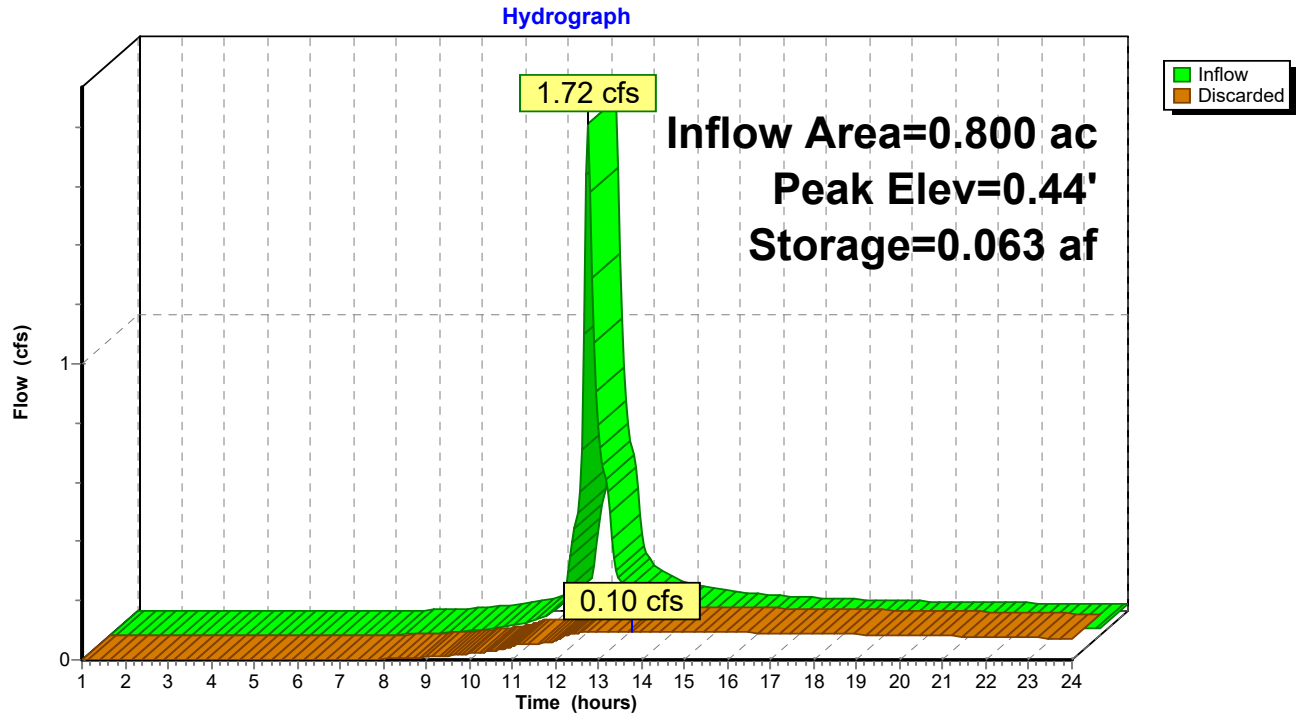
Plug-Flow detention time= 282.9 min calculated for 0.095 af (79% of inflow)
Center-of-Mass det. time= 201.7 min (1,026.1 - 824.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.187 af	**4.00'W x 1,160.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.10 cfs @ 13.76 hrs HW=0.44' (Free Discharge)
1=Exfiltration (Controls 0.10 cfs)

Pond 23P: Dry Swale 23



Summary for Pond 24P: Dry Swale 24

Inflow Area = 1.500 ac, 0.00% Impervious, Inflow Depth > 1.05" for 10-yr event
Inflow = 1.79 cfs @ 12.11 hrs, Volume= 0.132 af
Outflow = 0.14 cfs @ 13.52 hrs, Volume= 0.130 af, Atten= 92%, Lag= 84.6 min
Discarded = 0.14 cfs @ 13.52 hrs, Volume= 0.130 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.25' @ 13.52 hrs Surf.Area= 0.275 ac Storage= 0.060 af

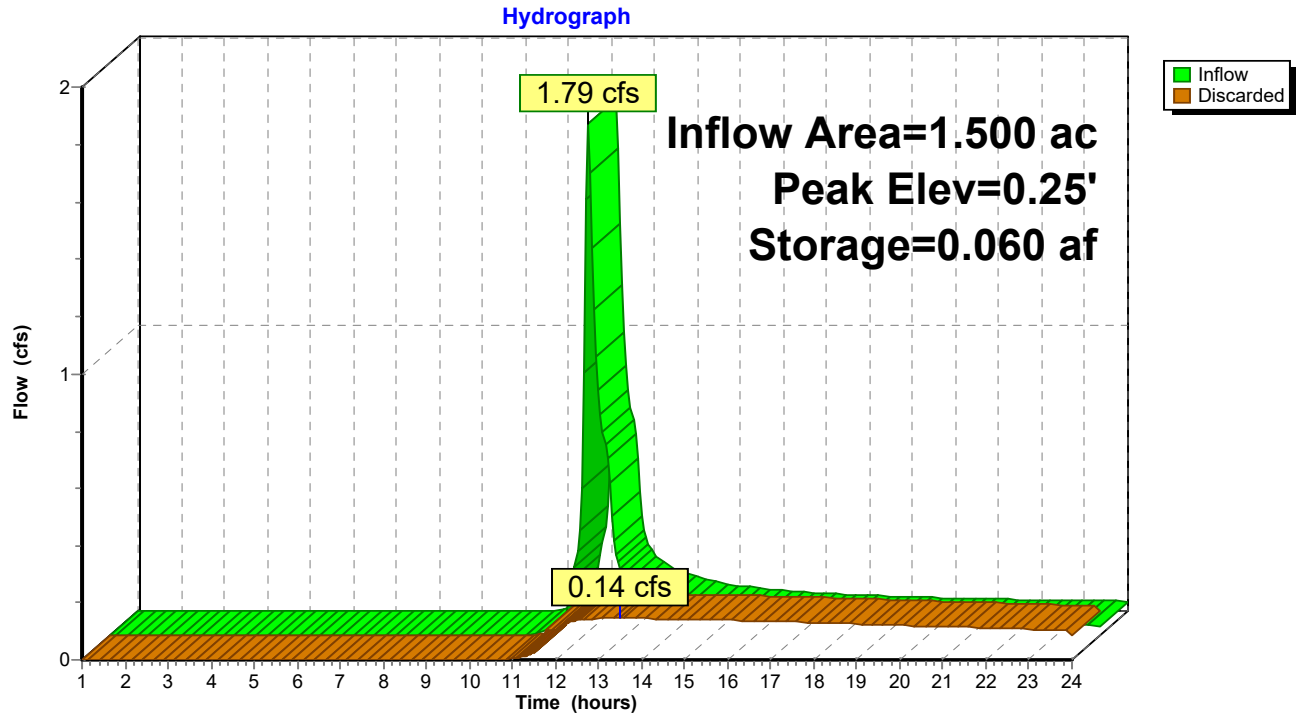
Plug-Flow detention time= 195.8 min calculated for 0.130 af (99% of inflow)
Center-of-Mass det. time= 189.2 min (1,050.6 - 861.4)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.349 af	**4.00'W x 2,170.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.14 cfs @ 13.52 hrs HW=0.25' (Free Discharge)
1=Exfiltration (Controls 0.14 cfs)

Pond 24P: Dry Swale 24



Summary for Pond 25P: Dry Swale 25

Inflow Area = 2.400 ac, 0.00% Impervious, Inflow Depth > 1.36" for 10-yr event
Inflow = 3.85 cfs @ 12.10 hrs, Volume= 0.271 af
Outflow = 0.26 cfs @ 13.66 hrs, Volume= 0.239 af, Atten= 93%, Lag= 93.5 min
Discarded = 0.26 cfs @ 13.66 hrs, Volume= 0.239 af

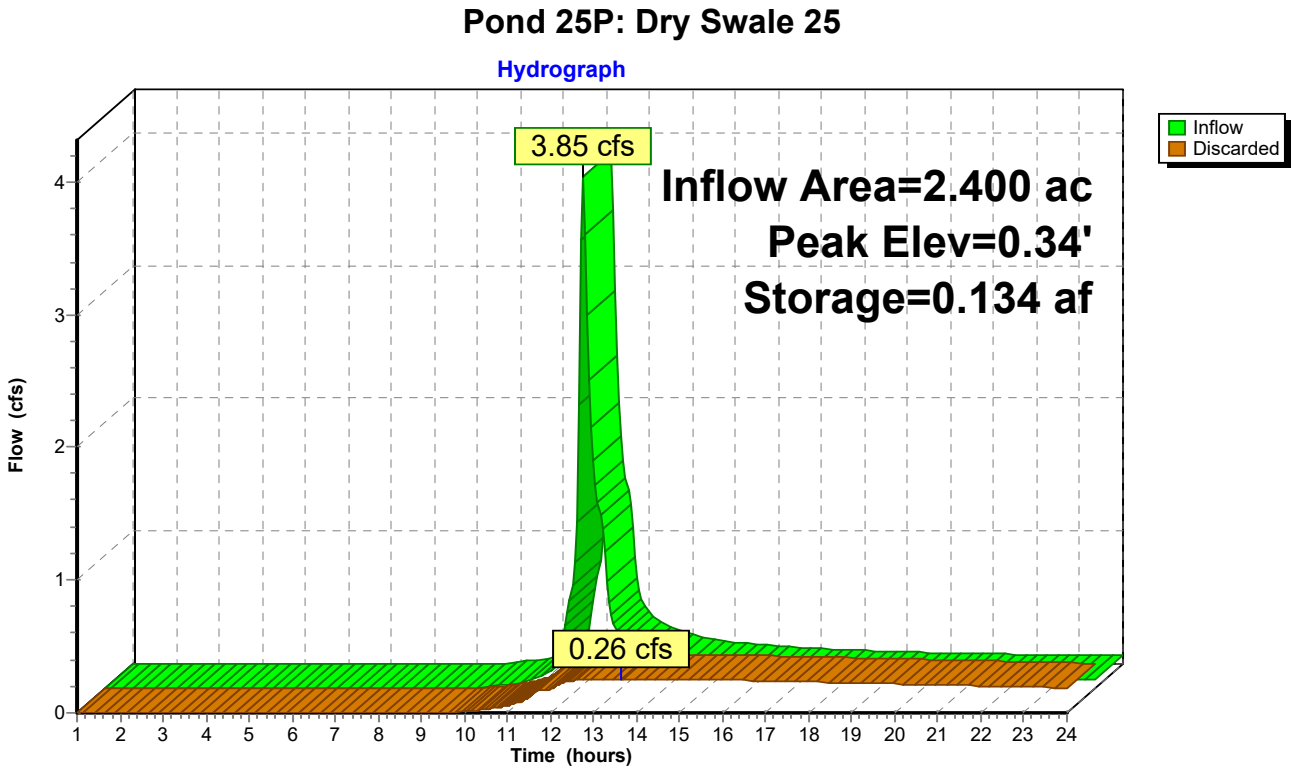
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.34' @ 13.66 hrs Surf.Area= 0.481 ac Storage= 0.134 af

Plug-Flow detention time= 255.2 min calculated for 0.239 af (88% of inflow)
Center-of-Mass det. time= 198.5 min (1,043.7 - 845.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.560 af	**4.00'W x 3,480.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.26 cfs @ 13.66 hrs HW=0.34' (Free Discharge)
1=Exfiltration (Controls 0.26 cfs)



Summary for Pond 26P: Dry Swale 26

Inflow Area = 1.200 ac, 0.00% Impervious, Inflow Depth > 1.49" for 10-yr event
Inflow = 2.14 cfs @ 12.10 hrs, Volume= 0.149 af
Outflow = 0.13 cfs @ 13.70 hrs, Volume= 0.127 af, Atten= 94%, Lag= 96.2 min
Discarded = 0.13 cfs @ 13.70 hrs, Volume= 0.127 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.37' @ 13.70 hrs Surf.Area= 0.249 ac Storage= 0.076 af

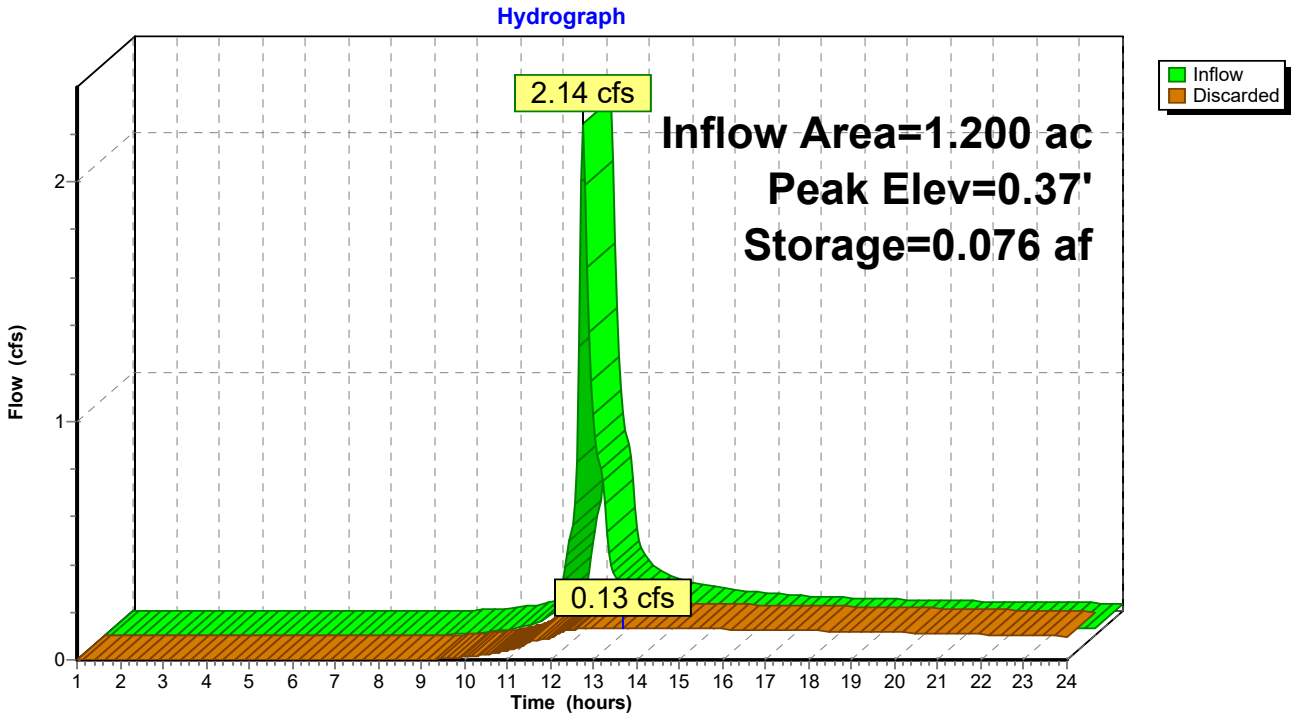
Plug-Flow detention time= 268.6 min calculated for 0.127 af (85% of inflow)
Center-of-Mass det. time= 200.3 min (1,038.9 - 838.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.280 af	**4.00'W x 1,740.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.13 cfs @ 13.70 hrs HW=0.37' (Free Discharge)
1=Exfiltration (Controls 0.13 cfs)

Pond 26P: Dry Swale 26



Summary for Pond 27P: Dry Swale 27

Inflow Area = 1.000 ac, 0.00% Impervious, Inflow Depth > 1.64" for 10-yr event
Inflow = 1.97 cfs @ 12.10 hrs, Volume= 0.136 af
Outflow = 0.12 cfs @ 13.74 hrs, Volume= 0.112 af, Atten= 94%, Lag= 98.4 min
Discarded = 0.12 cfs @ 13.74 hrs, Volume= 0.112 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.41' @ 13.74 hrs Surf.Area= 0.215 ac Storage= 0.071 af

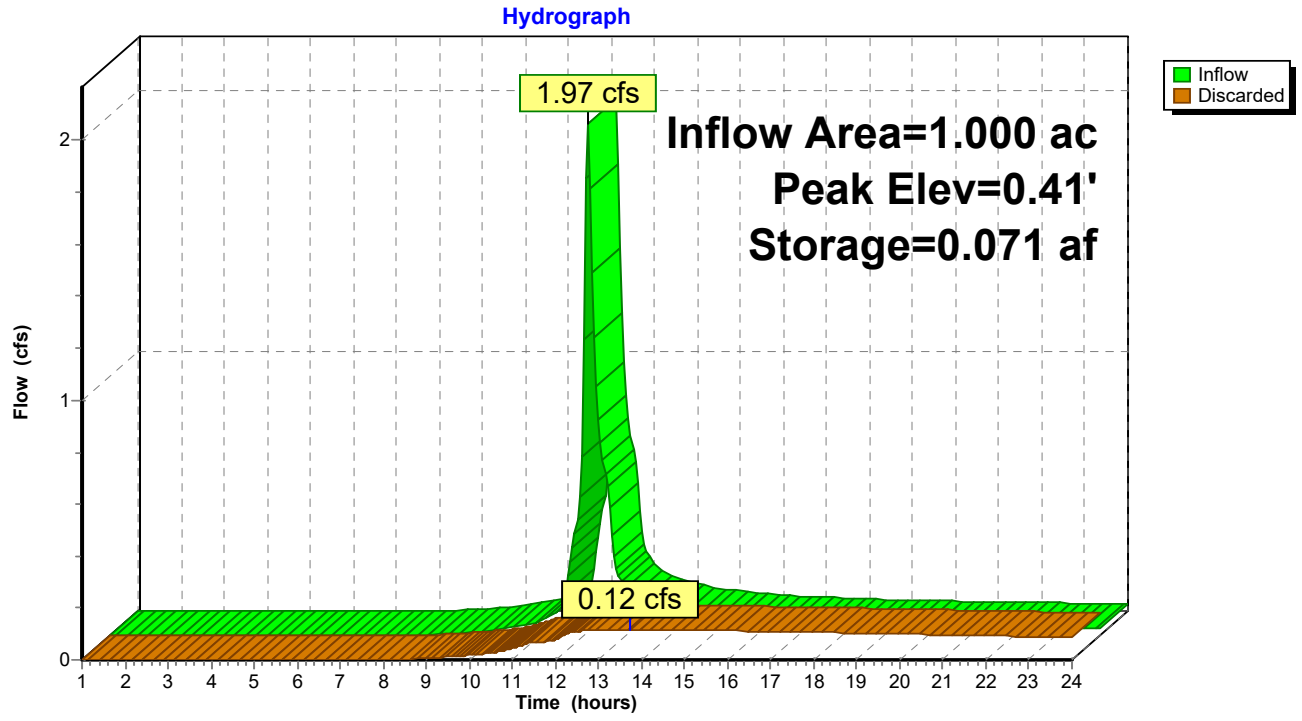
Plug-Flow detention time= 277.3 min calculated for 0.112 af (82% of inflow)
Center-of-Mass det. time= 201.4 min (1,033.1 - 831.8)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.234 af	**4.00'W x 1,450.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.12 cfs @ 13.74 hrs HW=0.41' (Free Discharge)
1=Exfiltration (Controls 0.12 cfs)

Pond 27P: Dry Swale 27



Summary for Pond 28P: Dry Swale 28

Inflow Area = 0.900 ac, 0.00% Impervious, Inflow Depth > 1.56" for 10-yr event
Inflow = 1.69 cfs @ 12.10 hrs, Volume= 0.117 af
Outflow = 0.10 cfs @ 13.73 hrs, Volume= 0.098 af, Atten= 94%, Lag= 97.6 min
Discarded = 0.10 cfs @ 13.73 hrs, Volume= 0.098 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.39' @ 13.73 hrs Surf.Area= 0.189 ac Storage= 0.060 af

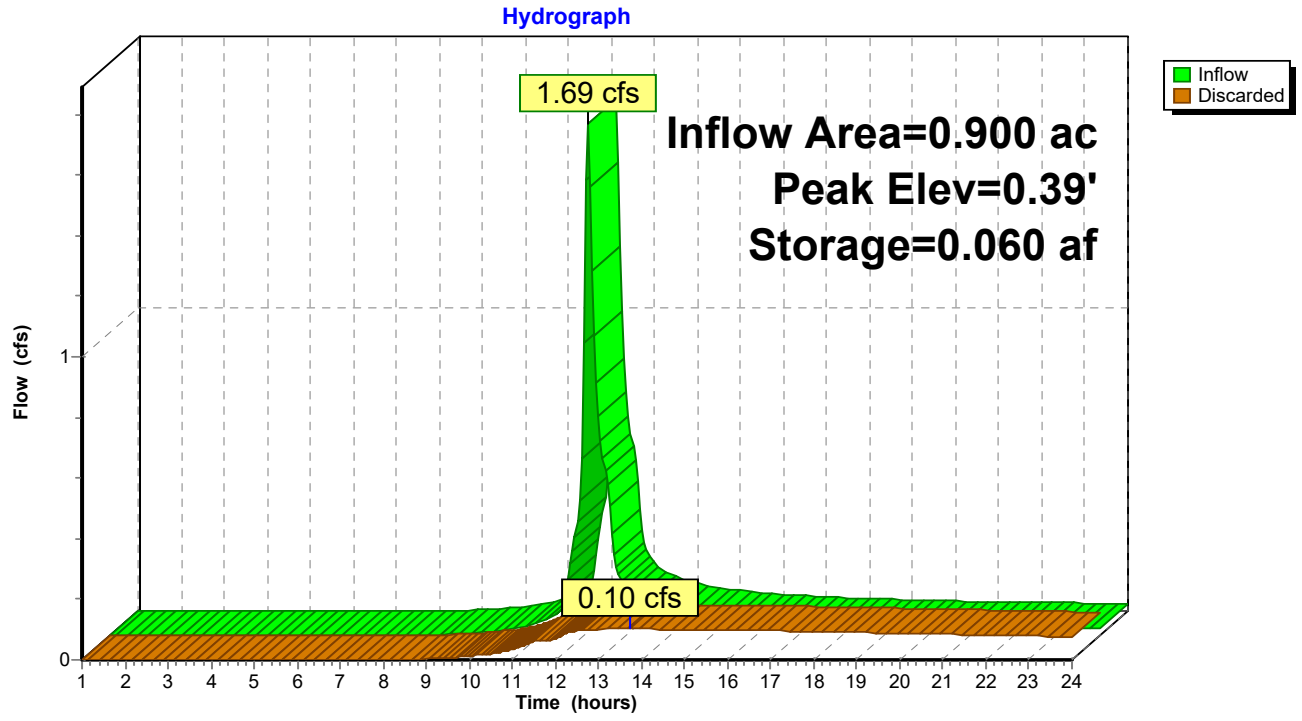
Plug-Flow detention time= 273.7 min calculated for 0.097 af (83% of inflow)
Center-of-Mass det. time= 200.9 min (1,036.2 - 835.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.209 af	**4.00'W x 1,300.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.10 cfs @ 13.73 hrs HW=0.39' (Free Discharge)
1=Exfiltration (Controls 0.10 cfs)

Pond 28P: Dry Swale 28



Summary for Pond 29P: Dry Swale 29

Inflow Area = 5.800 ac, 0.00% Impervious, Inflow Depth > 1.11" for 10-yr event
Inflow = 7.37 cfs @ 12.10 hrs, Volume= 0.536 af
Outflow = 0.57 cfs @ 13.54 hrs, Volume= 0.520 af, Atten= 92%, Lag= 86.1 min
Discarded = 0.57 cfs @ 13.54 hrs, Volume= 0.520 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.27' @ 13.54 hrs Surf.Area= 1.088 ac Storage= 0.249 af

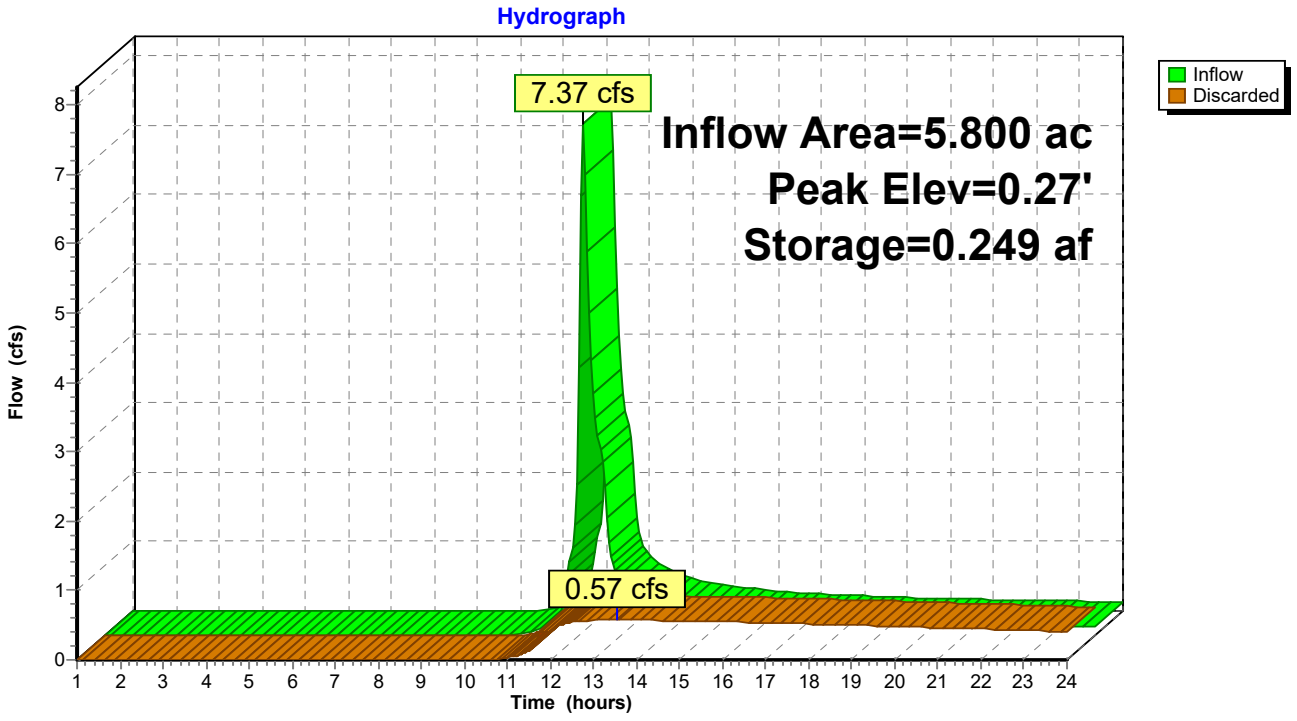
Plug-Flow detention time= 209.4 min calculated for 0.518 af (97% of inflow)
Center-of-Mass det. time= 191.6 min (1,049.8 - 858.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.360 af	**4.00'W x 8,460.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.57 cfs @ 13.54 hrs HW=0.27' (Free Discharge)
1=Exfiltration (Controls 0.57 cfs)

Pond 29P: Dry Swale 29

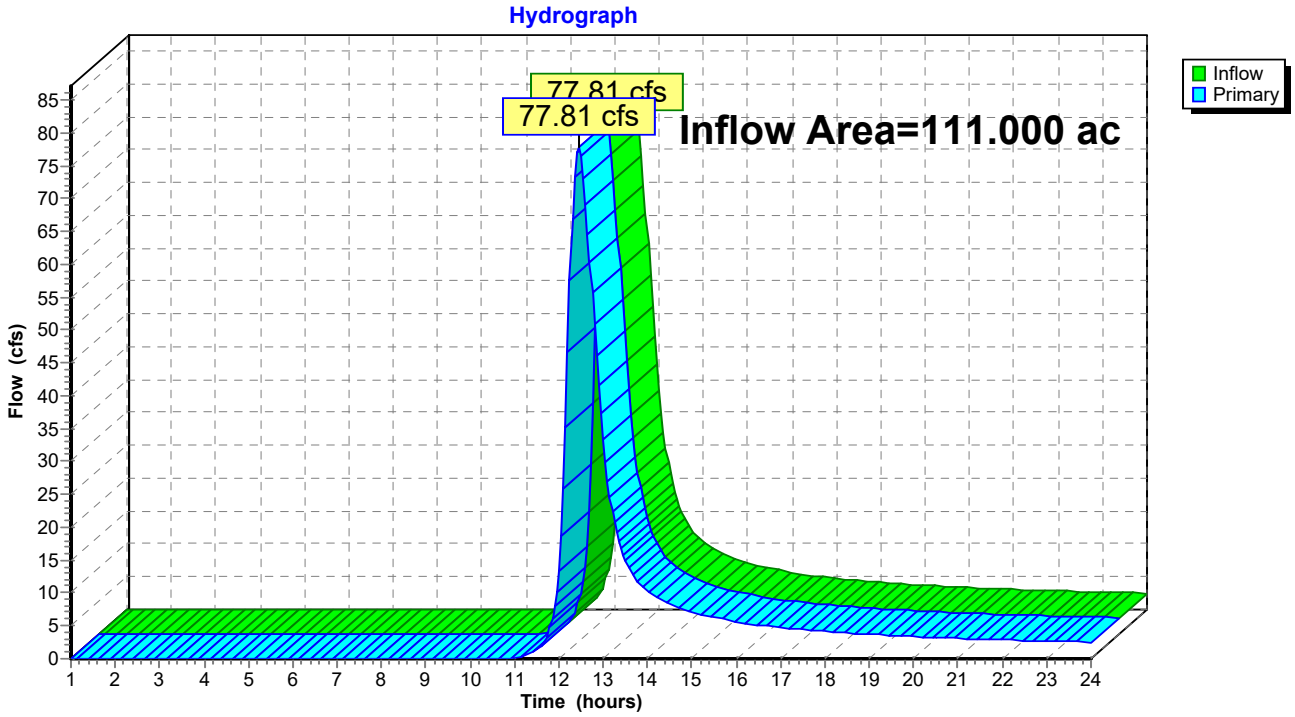


Summary for Link 16L: P

Inflow Area = 111.000 ac, 0.00% Impervious, Inflow Depth > 1.05" for 10-yr event
Inflow = 77.81 cfs @ 12.44 hrs, Volume= 9.668 af
Primary = 77.81 cfs @ 12.44 hrs, Volume= 9.668 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 16L: P

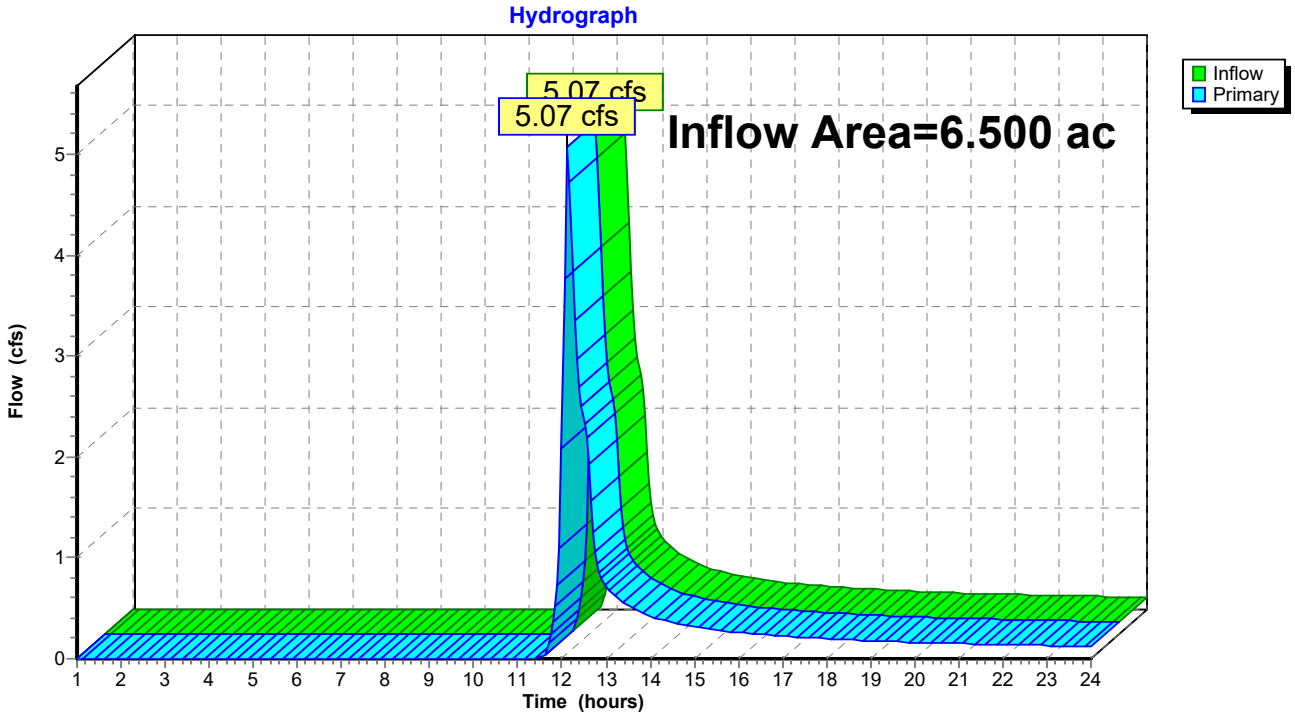


Summary for Link 17L: Q

Inflow Area = 6.500 ac, 0.00% Impervious, Inflow Depth > 0.79" for 10-yr event
Inflow = 5.07 cfs @ 12.13 hrs, Volume= 0.429 af
Primary = 5.07 cfs @ 12.13 hrs, Volume= 0.429 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 17L: Q

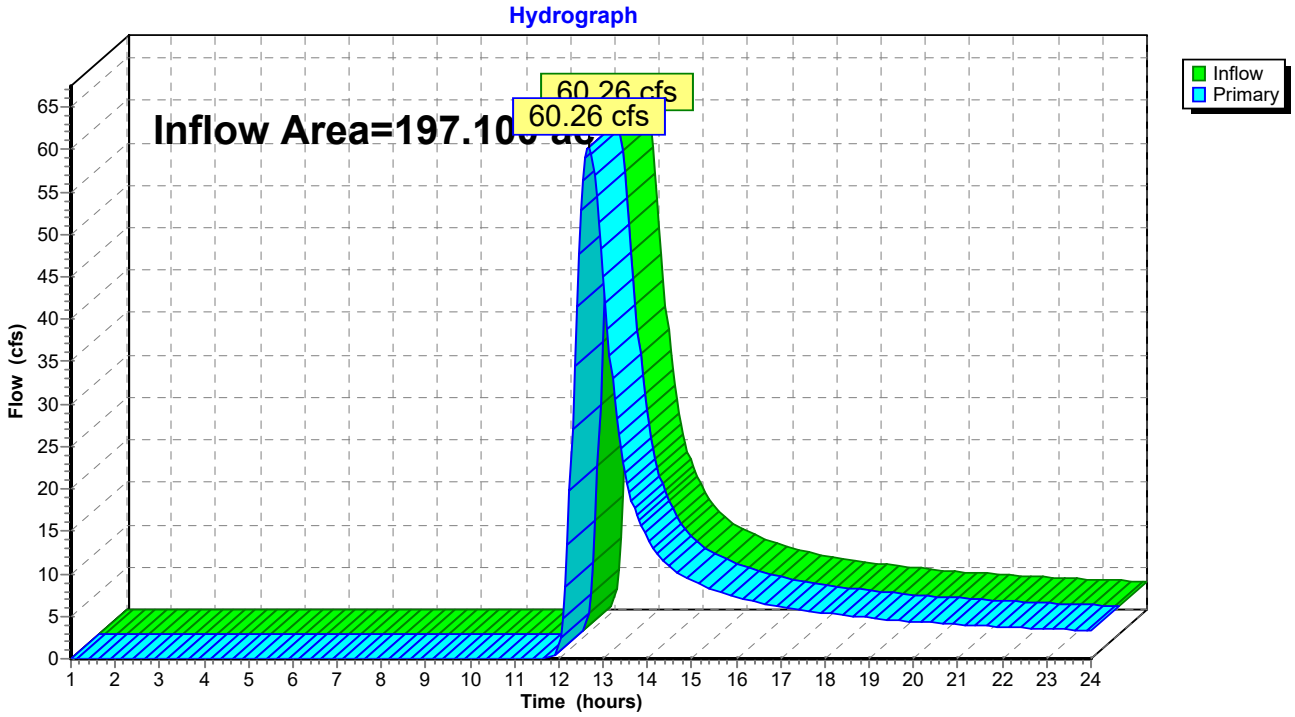


Summary for Link 18L: R

Inflow Area = 197.100 ac, 0.00% Impervious, Inflow Depth > 0.60" for 10-yr event
Inflow = 60.26 cfs @ 12.67 hrs, Volume= 9.931 af
Primary = 60.26 cfs @ 12.67 hrs, Volume= 9.931 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 18L: R

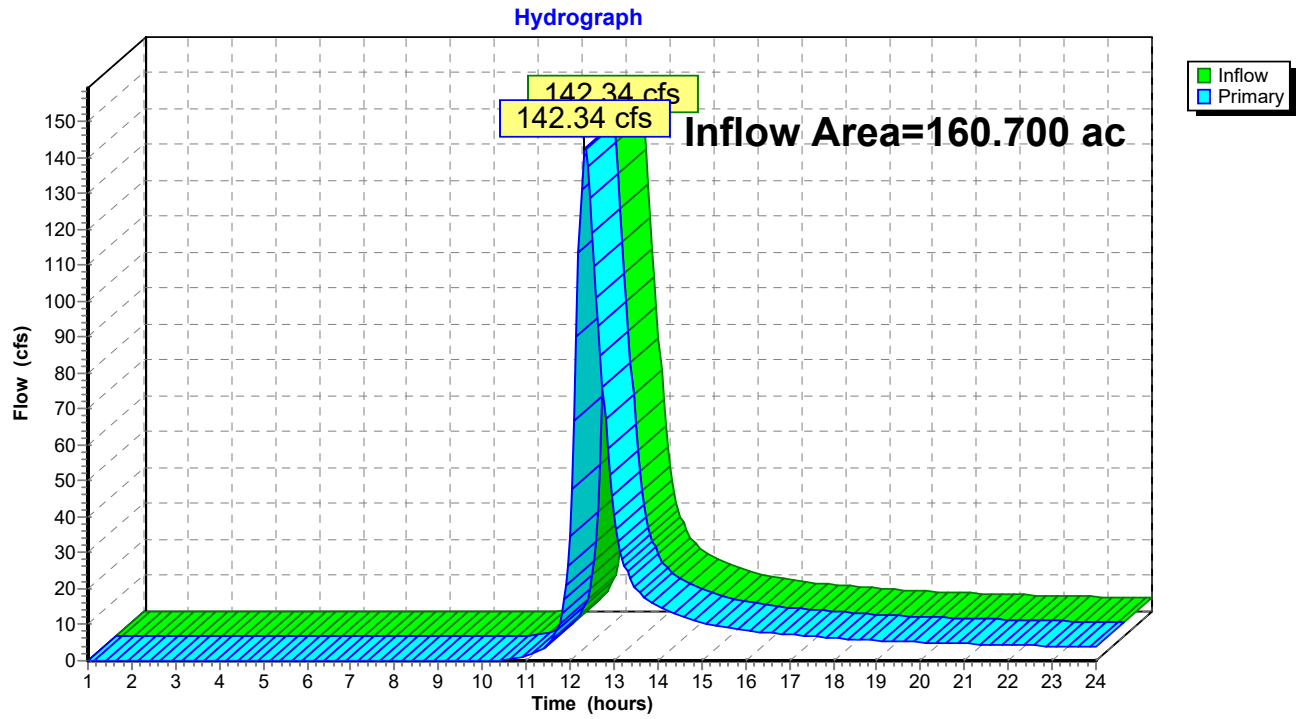


Summary for Link 19L: S

Inflow Area = 160.700 ac, 0.00% Impervious, Inflow Depth > 1.16" for 10-yr event
Inflow = 142.34 cfs @ 12.34 hrs, Volume= 15.575 af
Primary = 142.34 cfs @ 12.34 hrs, Volume= 15.575 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 19L: S

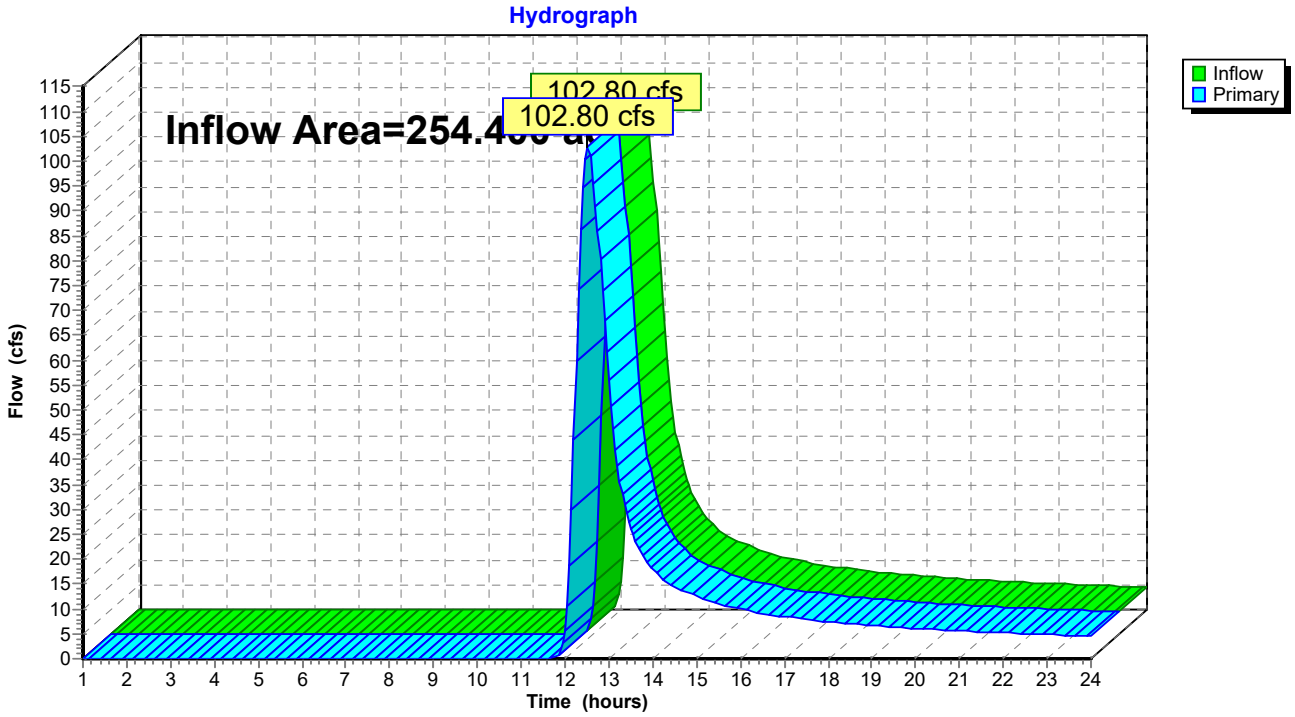


Summary for Link 20L: T

Inflow Area = 254.400 ac, 0.00% Impervious, Inflow Depth > 0.69" for 10-yr event
Inflow = 102.80 cfs @ 12.52 hrs, Volume= 14.696 af
Primary = 102.80 cfs @ 12.52 hrs, Volume= 14.696 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 20L: T

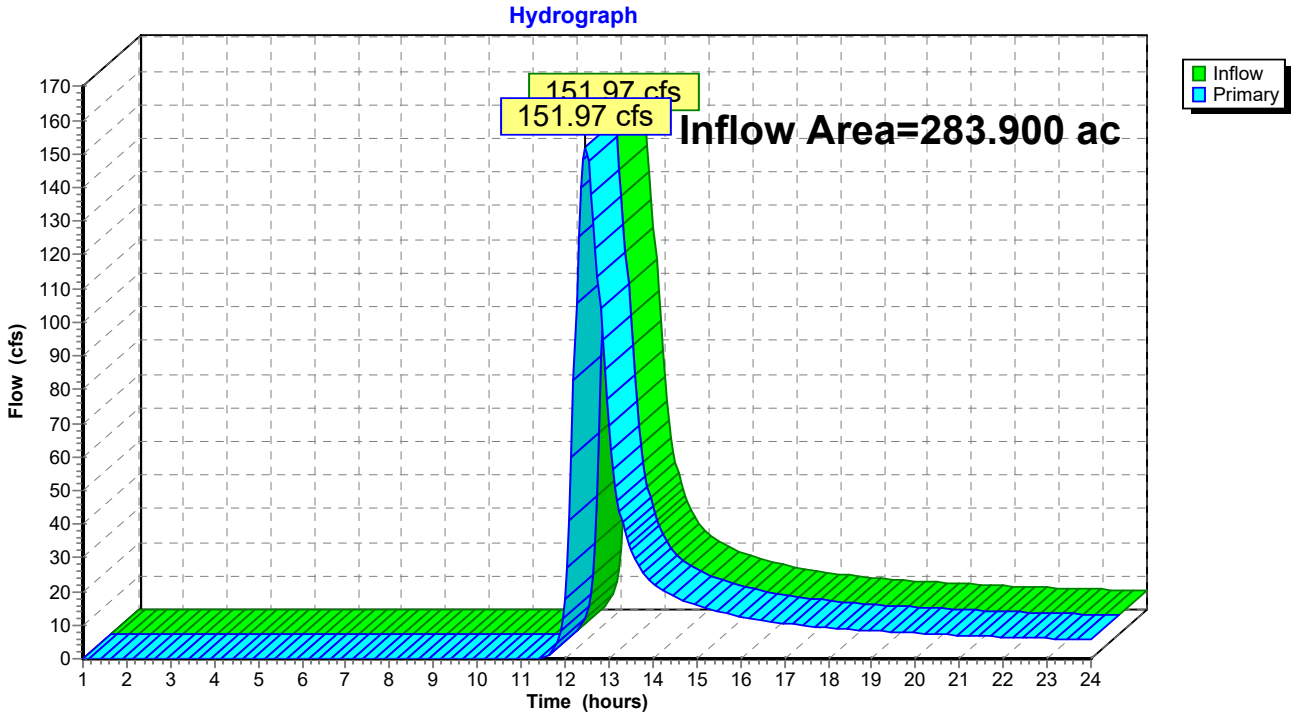


Summary for Link 21L: U

Inflow Area = 283.900 ac, 0.00% Impervious, Inflow Depth > 0.83" for 10-yr event
Inflow = 151.97 cfs @ 12.46 hrs, Volume= 19.752 af
Primary = 151.97 cfs @ 12.46 hrs, Volume= 19.752 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 21L: U

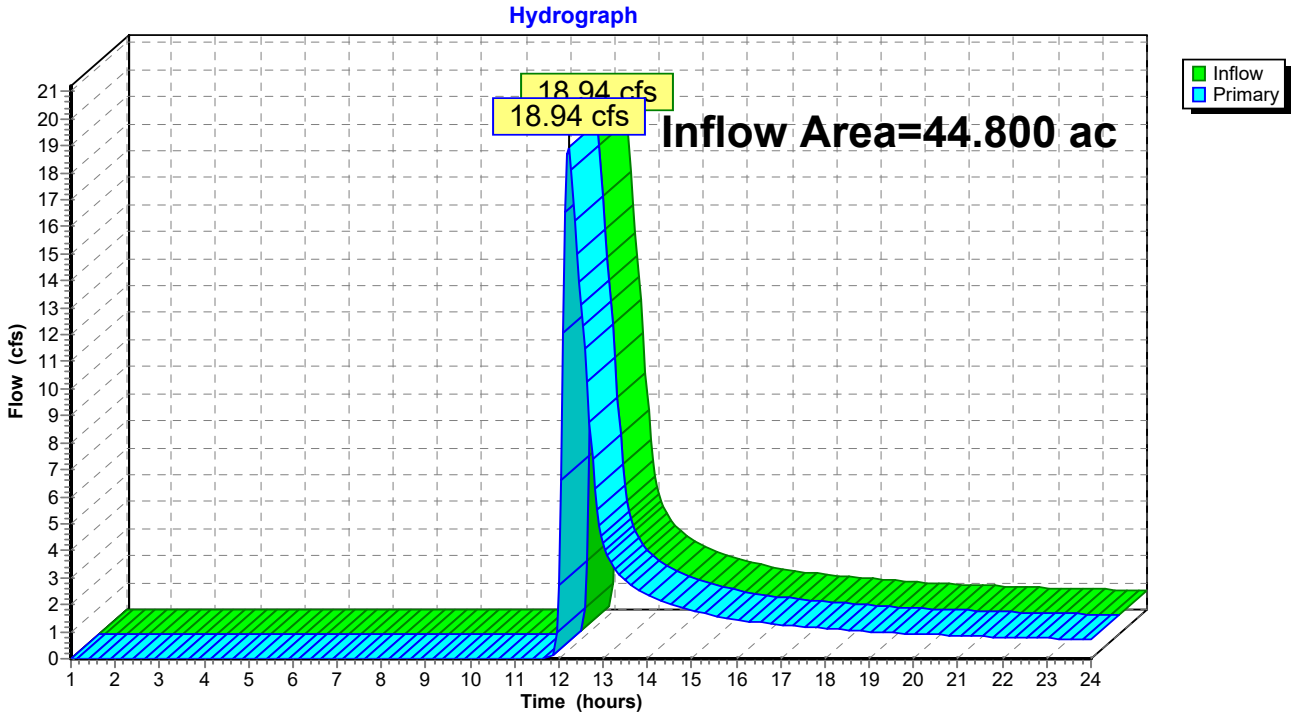


Summary for Link 22L: V

Inflow Area = 44.800 ac, 0.00% Impervious, Inflow Depth > 0.57" for 10-yr event
Inflow = 18.94 cfs @ 12.22 hrs, Volume= 2.129 af
Primary = 18.94 cfs @ 12.22 hrs, Volume= 2.129 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 22L: V

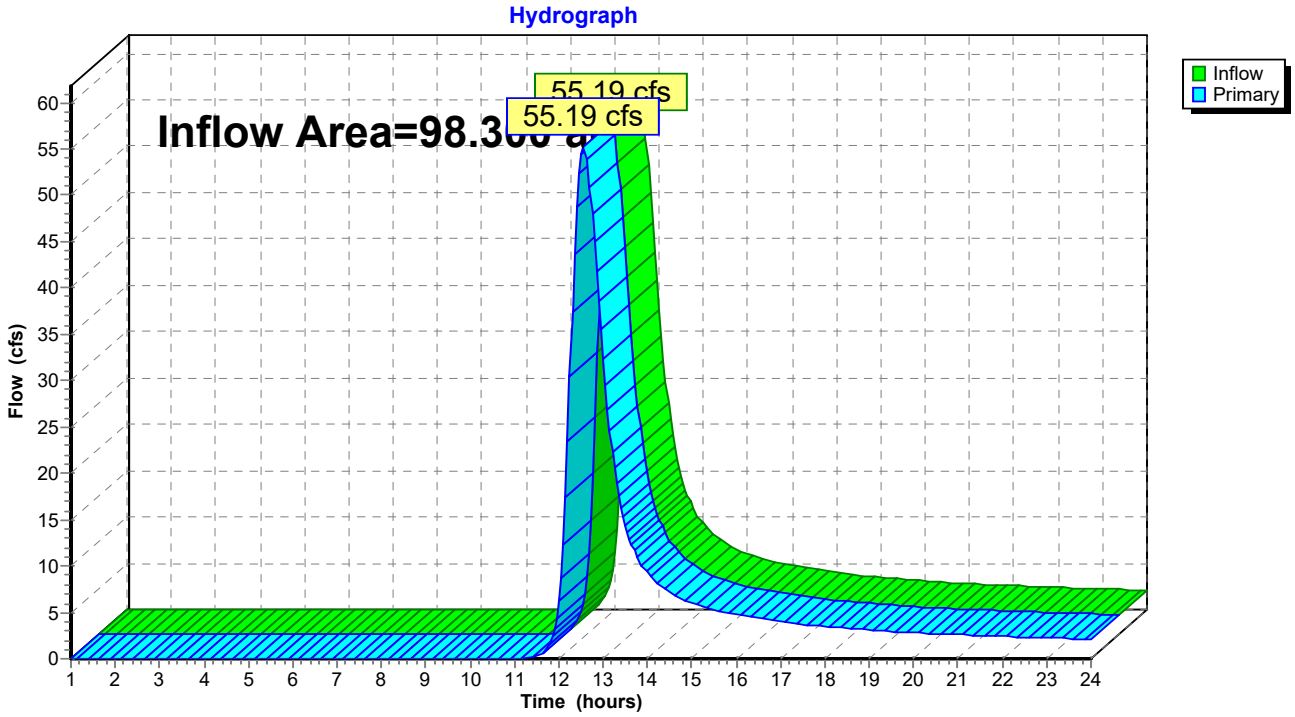


Summary for Link 23L: W

Inflow Area = 98.300 ac, 0.00% Impervious, Inflow Depth > 0.93" for 10-yr event
Inflow = 55.19 cfs @ 12.56 hrs, Volume= 7.655 af
Primary = 55.19 cfs @ 12.56 hrs, Volume= 7.655 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 23L: W

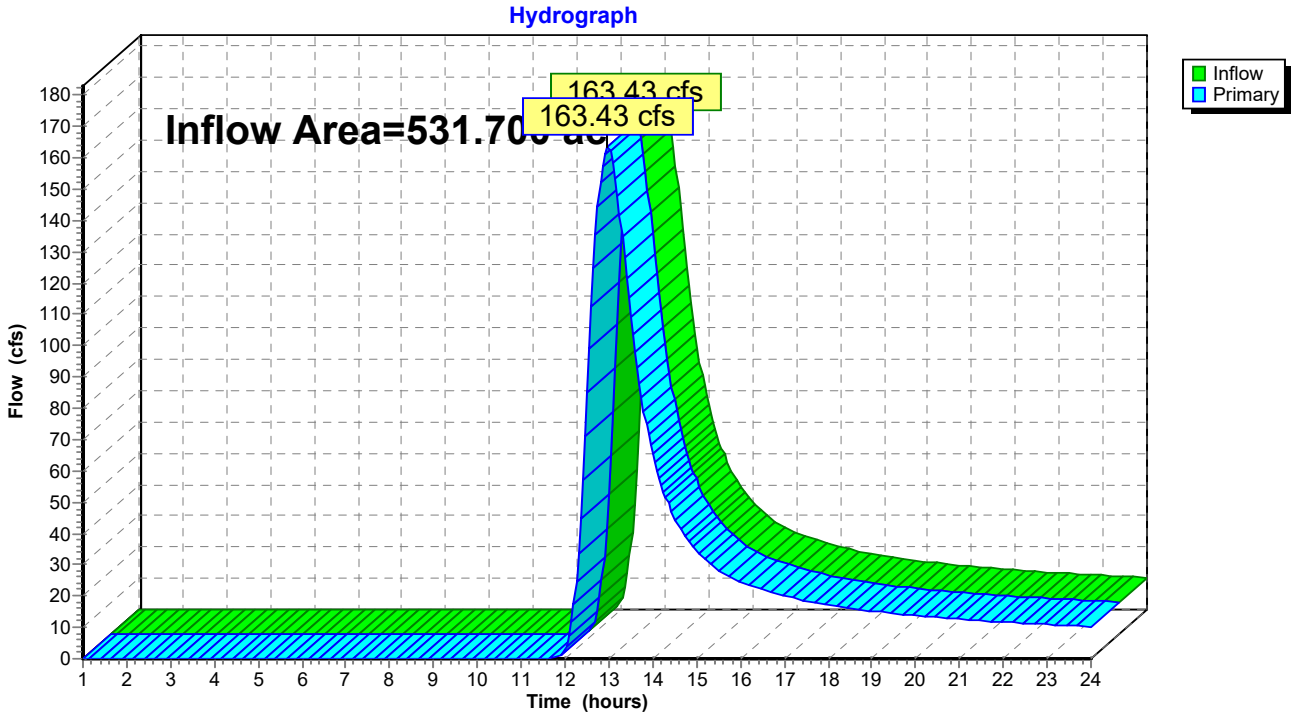


Summary for Link 24L: X

Inflow Area = 531.700 ac, 0.00% Impervious, Inflow Depth > 0.73" for 10-yr event
Inflow = 163.43 cfs @ 12.97 hrs, Volume= 32.316 af
Primary = 163.43 cfs @ 12.97 hrs, Volume= 32.316 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 24L: X

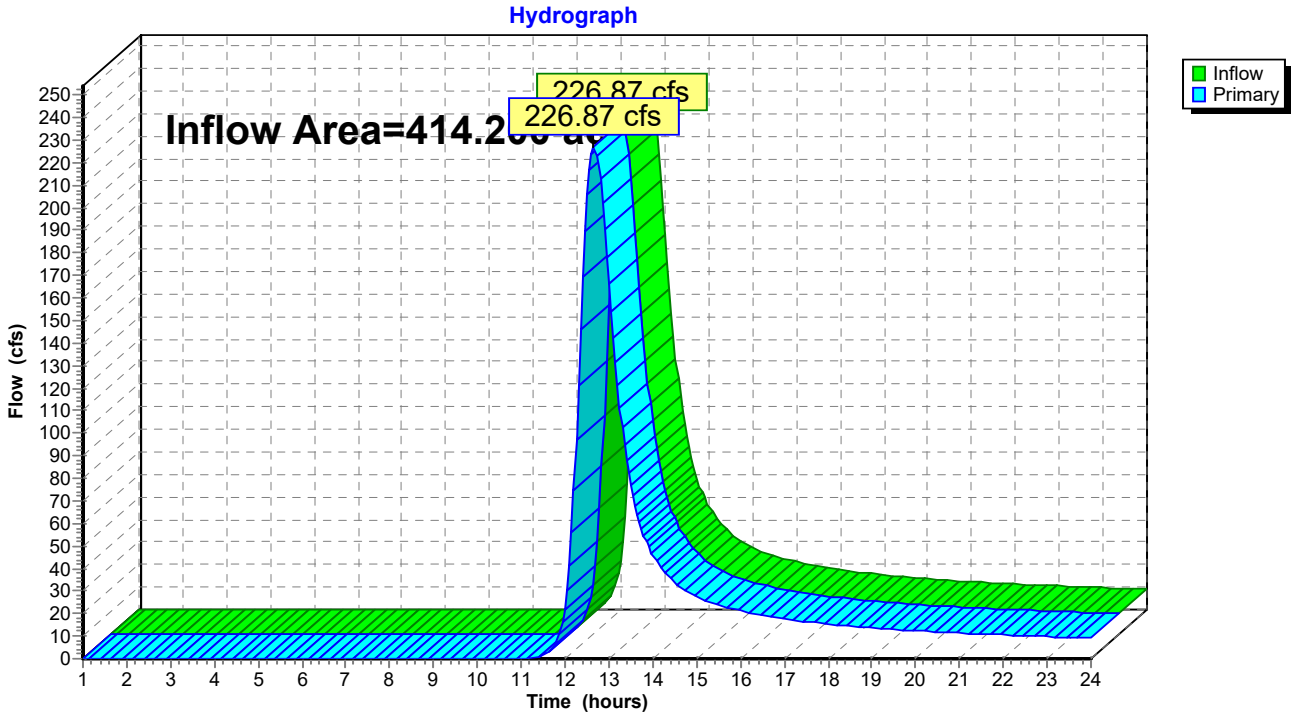


Summary for Link 25L: Y

Inflow Area = 414.200 ac, 0.00% Impervious, Inflow Depth > 0.99" for 10-yr event
Inflow = 226.87 cfs @ 12.66 hrs, Volume= 34.013 af
Primary = 226.87 cfs @ 12.66 hrs, Volume= 34.013 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 25L: Y

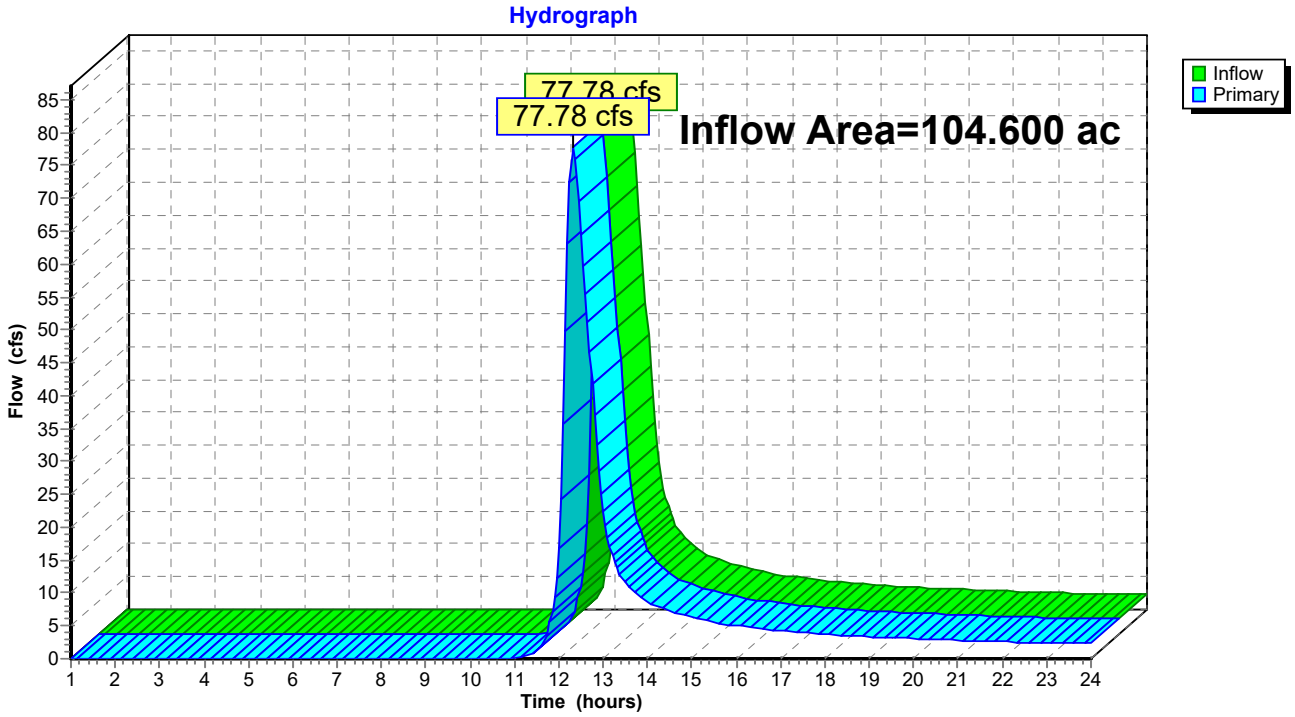


Summary for Link 26L: Z

Inflow Area = 104.600 ac, 0.00% Impervious, Inflow Depth > 0.99" for 10-yr event
Inflow = 77.78 cfs @ 12.33 hrs, Volume= 8.651 af
Primary = 77.78 cfs @ 12.33 hrs, Volume= 8.651 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 26L: Z

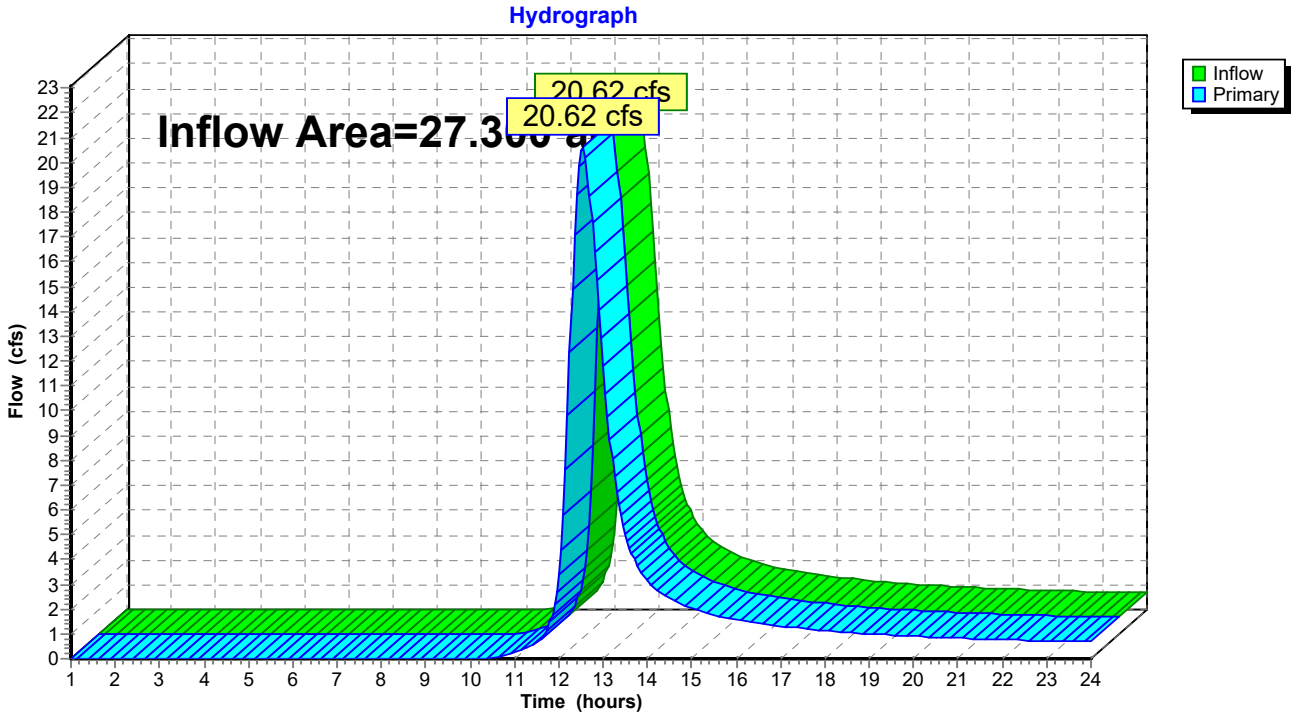


Summary for Link 27L: AA

Inflow Area = 27.300 ac, 0.00% Impervious, Inflow Depth > 1.22" for 10-yr event
Inflow = 20.62 cfs @ 12.54 hrs, Volume= 2.772 af
Primary = 20.62 cfs @ 12.54 hrs, Volume= 2.772 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 27L: AA

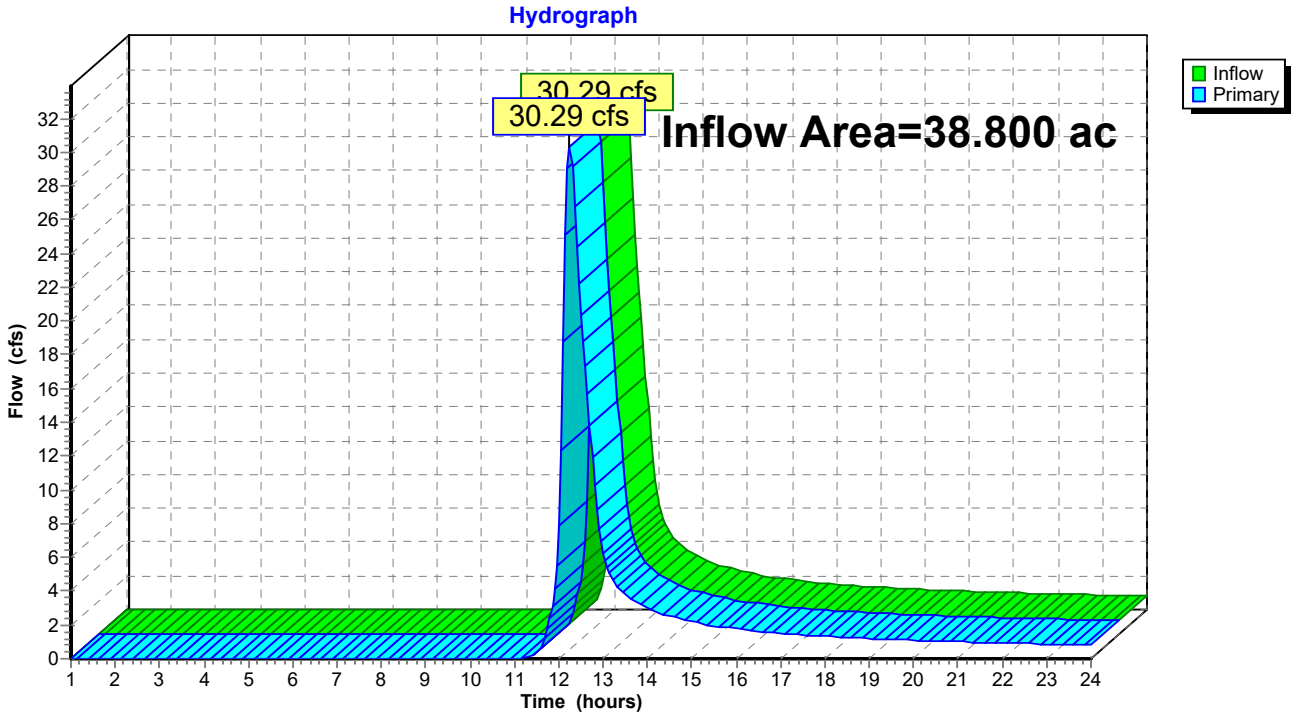


Summary for Link 28L: BB

Inflow Area = 38.800 ac, 0.00% Impervious, Inflow Depth > 0.94" for 10-yr event
Inflow = 30.29 cfs @ 12.25 hrs, Volume= 3.042 af
Primary = 30.29 cfs @ 12.25 hrs, Volume= 3.042 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 28L: BB

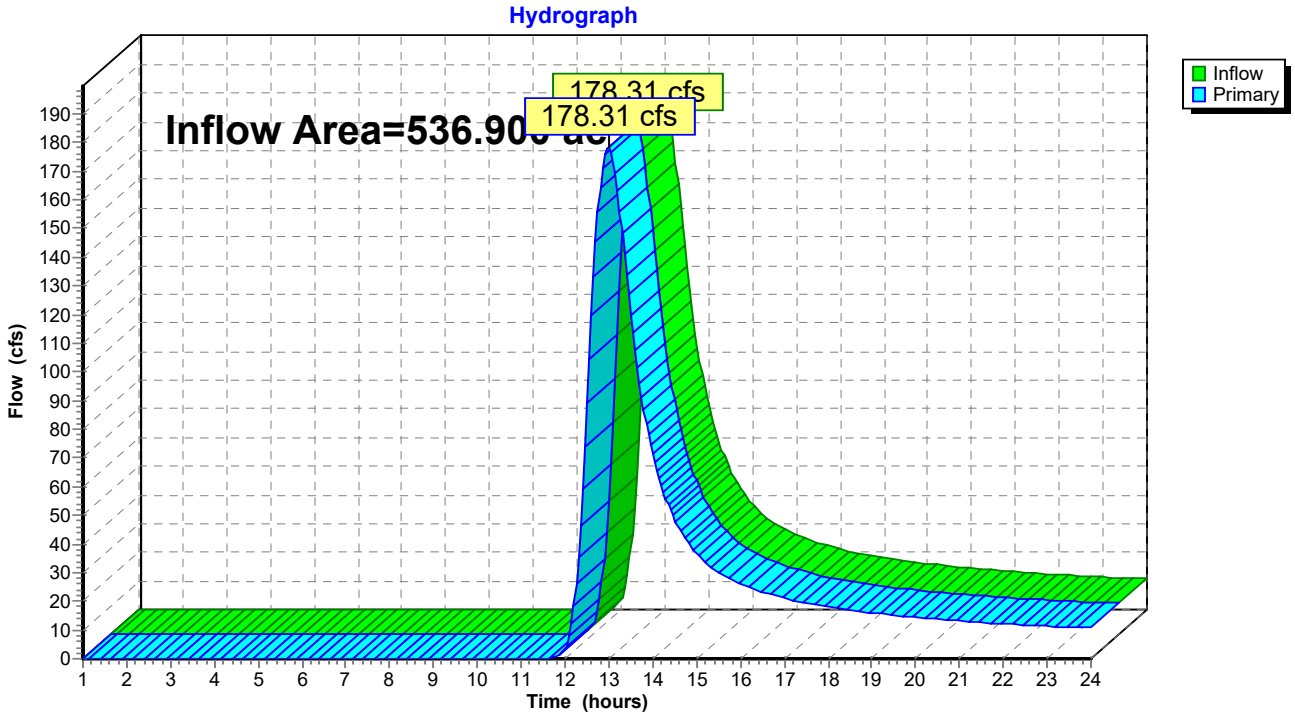


Summary for Link 29L: CC

Inflow Area = 536.900 ac, 0.00% Impervious, Inflow Depth > 0.78" for 10-yr event
Inflow = 178.31 cfs @ 12.99 hrs, Volume= 34.704 af
Primary = 178.31 cfs @ 12.99 hrs, Volume= 34.704 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 29L: CC

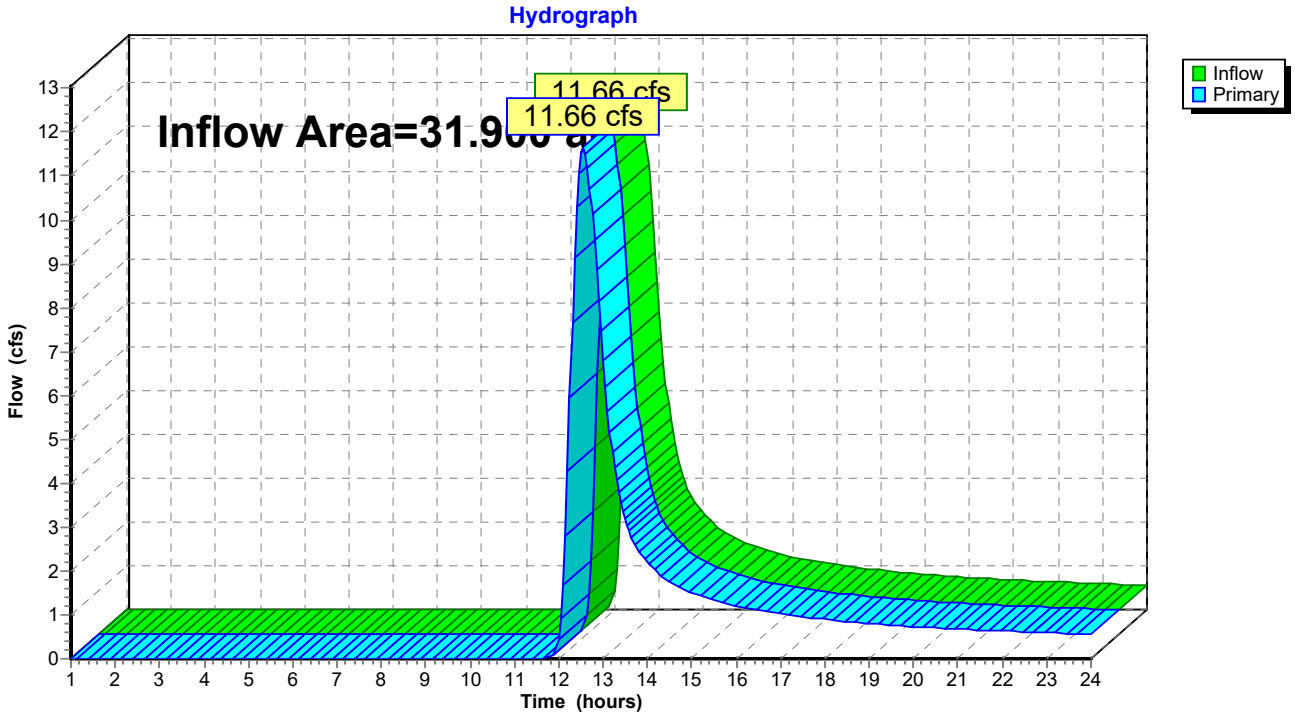


Summary for Link 30L: DD

Inflow Area = 31.900 ac, 0.00% Impervious, Inflow Depth > 0.65" for 10-yr event
Inflow = 11.66 cfs @ 12.55 hrs, Volume= 1.725 af
Primary = 11.66 cfs @ 12.55 hrs, Volume= 1.725 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 30L: DD



Time span=1.00-24.00 hrs, dt=0.05 hrs, 461 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment16S: 16 Runoff Area=111.000 ac 0.00% Impervious Runoff Depth>2.51"
Flow Length=3,030' Tc=32.3 min CN=76 Runoff=204.08 cfs 23.202 af

Subcatchment17S: 17 Runoff Area=6.500 ac 0.00% Impervious Runoff Depth>2.10"
Flow Length=680' Slope=0.2000 '/' Tc=11.1 min CN=71 Runoff=15.54 cfs 1.139 af

Subcatchment18S: 18 Runoff Area=197.100 ac 0.00% Impervious Runoff Depth>1.77"
Flow Length=4,345' Tc=42.4 min CN=67 Runoff=216.80 cfs 29.150 af

Subcatchment19S: 19 Runoff Area=160.700 ac 0.00% Impervious Runoff Depth>2.69"
Flow Length=1,050' Tc=25.9 min CN=78 Runoff=352.32 cfs 35.995 af

Subcatchment20S: 20 Runoff Area=254.400 ac 0.00% Impervious Runoff Depth>1.93"
Flow Length=5,825' Tc=34.2 min CN=69 Runoff=340.64 cfs 40.966 af

Subcatchment21S: 21 Runoff Area=283.900 ac 0.00% Impervious Runoff Depth>2.17"
Flow Length=6,035' Tc=31.9 min CN=72 Runoff=449.24 cfs 51.403 af

Subcatchment22S: 22 Runoff Area=44.800 ac 0.00% Impervious Runoff Depth>1.71"
Flow Length=2,185' Tc=15.8 min CN=66 Runoff=73.13 cfs 6.398 af

Subcatchment23S: 23 Runoff Area=98.300 ac 0.00% Impervious Runoff Depth>2.33"
Flow Length=2,880' Tc=38.7 min CN=74 Runoff=153.43 cfs 19.120 af

Subcatchment24S: 24 Runoff Area=531.700 ac 0.00% Impervious Runoff Depth>1.99"
Flow Length=12,990' Tc=65.9 min CN=70 Runoff=522.81 cfs 88.285 af

Subcatchment25S: 25 Runoff Area=414.200 ac 0.00% Impervious Runoff Depth>2.41"
Flow Length=7,355' Tc=46.0 min CN=75 Runoff=614.03 cfs 83.324 af

Subcatchment26S: 26 Runoff Area=104.600 ac 0.00% Impervious Runoff Depth>2.43"
Flow Length=1,875' Tc=25.0 min CN=75 Runoff=209.19 cfs 21.156 af

Subcatchment27S: 27 Runoff Area=27.300 ac 0.00% Impervious Runoff Depth>2.77"
Flow Length=1,470' Tc=39.7 min CN=79 Runoff=50.33 cfs 6.298 af

Subcatchment28S: 28 Runoff Area=38.800 ac 0.00% Impervious Runoff Depth>2.35"
Flow Length=2,680' Slope=0.1300 '/' Tc=19.5 min CN=74 Runoff=83.31 cfs 7.584 af

Subcatchment29S: 29 Runoff Area=536.900 ac 0.00% Impervious Runoff Depth>2.07"
Flow Length=10,730' Tc=67.0 min CN=71 Runoff=549.98 cfs 92.667 af

Subcatchment30S: 30 Runoff Area=31.900 ac 0.00% Impervious Runoff Depth>1.85"
Flow Length=1,210' Tc=35.4 min CN=68 Runoff=40.23 cfs 4.930 af

Subcatchment44S: 16.1 Runoff Area=0.100 ac 0.00% Impervious Runoff Depth>3.55"
Tc=10.0 min CN=87 Runoff=0.43 cfs 0.030 af

Subcatchment 45S: 18.1 Runoff Area=3.000 ac 0.00% Impervious Runoff Depth>2.79"
Tc=10.0 min CN=79 Runoff=10.13 cfs 0.697 af

Subcatchment 46S: 19.1 Runoff Area=0.500 ac 0.00% Impervious Runoff Depth>3.26"
Tc=10.0 min CN=84 Runoff=1.97 cfs 0.136 af

Subcatchment 47S: 21.1 Runoff Area=2.400 ac 0.00% Impervious Runoff Depth>3.26"
Tc=10.0 min CN=84 Runoff=9.45 cfs 0.651 af

Subcatchment 48S: 23.1 Runoff Area=0.800 ac 0.00% Impervious Runoff Depth>3.55"
Tc=10.0 min CN=87 Runoff=3.41 cfs 0.237 af

Subcatchment 49S: 24.1 Runoff Area=1.500 ac 0.00% Impervious Runoff Depth>2.52"
Tc=10.0 min CN=76 Runoff=4.56 cfs 0.315 af

Subcatchment 50S: 25.1 Runoff Area=2.400 ac 0.00% Impervious Runoff Depth>2.97"
Tc=10.0 min CN=81 Runoff=8.65 cfs 0.594 af

Subcatchment 51S: 26.1 Runoff Area=1.200 ac 0.00% Impervious Runoff Depth>3.16"
Tc=10.0 min CN=83 Runoff=4.59 cfs 0.316 af

Subcatchment 52S: 27.1 Runoff Area=1.000 ac 0.00% Impervious Runoff Depth>3.35"
Tc=10.0 min CN=85 Runoff=4.05 cfs 0.279 af

Subcatchment 53S: 28.1 Runoff Area=0.900 ac 0.00% Impervious Runoff Depth>3.26"
Tc=10.0 min CN=84 Runoff=3.55 cfs 0.244 af

Subcatchment 54S: 29.1 Runoff Area=5.800 ac 0.00% Impervious Runoff Depth>2.61"
Tc=10.0 min CN=77 Runoff=18.27 cfs 1.261 af

Pond 16P: Dry Swale 16 Peak Elev=0.85' Storage=0.018 af Inflow=0.43 cfs 0.030 af
Outflow=0.02 cfs 0.018 af

Pond 18P: Dry Swale 18 Peak Elev=0.68' Storage=0.413 af Inflow=10.13 cfs 0.697 af
Outflow=0.45 cfs 0.448 af

Pond 19P: Dry Swale 19 Peak Elev=0.78' Storage=0.082 af Inflow=1.97 cfs 0.136 af
Outflow=0.08 cfs 0.084 af

Pond 21P: Dry Swale 21 Peak Elev=0.78' Storage=0.394 af Inflow=9.45 cfs 0.651 af
Outflow=0.39 cfs 0.401 af

Pond 23P: Dry Swale 23 Peak Elev=0.83' Storage=0.145 af Inflow=3.41 cfs 0.237 af
Outflow=0.14 cfs 0.143 af

Pond 24P: Dry Swale 24 Peak Elev=0.63' Storage=0.183 af Inflow=4.56 cfs 0.315 af
Outflow=0.21 cfs 0.209 af

Pond 25P: Dry Swale 25 Peak Elev=0.72' Storage=0.355 af Inflow=8.65 cfs 0.594 af
Outflow=0.37 cfs 0.375 af

Pond 26P: Dry Swale 26 Peak Elev=0.76' Storage=0.191 af Inflow=4.59 cfs 0.316 af
Outflow=0.19 cfs 0.196 af

Pond 27P: Dry Swale 27 Peak Elev=0.80' Storage=0.170 af Inflow=4.05 cfs 0.279 af
Outflow=0.16 cfs 0.171 af

Pond 28P: Dry Swale 28 Peak Elev=0.78' Storage=0.148 af Inflow=3.55 cfs 0.244 af
Outflow=0.15 cfs 0.150 af

Pond 29P: Dry Swale 29 Peak Elev=0.64' Storage=0.738 af Inflow=18.27 cfs 1.261 af
Outflow=0.84 cfs 0.829 af

Link 16L: P Inflow=204.08 cfs 23.202 af
Primary=204.08 cfs 23.202 af

Link 17L: Q Inflow=15.54 cfs 1.139 af
Primary=15.54 cfs 1.139 af

Link 18L: R Inflow=216.80 cfs 29.150 af
Primary=216.80 cfs 29.150 af

Link 19L: S Inflow=352.32 cfs 35.995 af
Primary=352.32 cfs 35.995 af

Link 20L: T Inflow=340.64 cfs 40.966 af
Primary=340.64 cfs 40.966 af

Link 21L: U Inflow=449.24 cfs 51.403 af
Primary=449.24 cfs 51.403 af

Link 22L: V Inflow=73.13 cfs 6.398 af
Primary=73.13 cfs 6.398 af

Link 23L: W Inflow=153.43 cfs 19.120 af
Primary=153.43 cfs 19.120 af

Link 24L: X Inflow=522.81 cfs 88.285 af
Primary=522.81 cfs 88.285 af

Link 25L: Y Inflow=614.03 cfs 83.324 af
Primary=614.03 cfs 83.324 af

Link 26L: Z Inflow=209.19 cfs 21.156 af
Primary=209.19 cfs 21.156 af

Link 27L: AA Inflow=50.33 cfs 6.298 af
Primary=50.33 cfs 6.298 af

Link 28L: BB Inflow=83.31 cfs 7.584 af
Primary=83.31 cfs 7.584 af

Link 29L: CC Inflow=549.98 cfs 92.667 af
Primary=549.98 cfs 92.667 af

Link 30L: DD

Inflow=40.23 cfs 4.930 af
Primary=40.23 cfs 4.930 af

Total Runoff Area = 2,861.700 ac Runoff Volume = 516.377 af Average Runoff Depth = 2.17"
100.00% Pervious = 2,861.700 ac 0.00% Impervious = 0.000 ac

Summary for Subcatchment 16S: 16

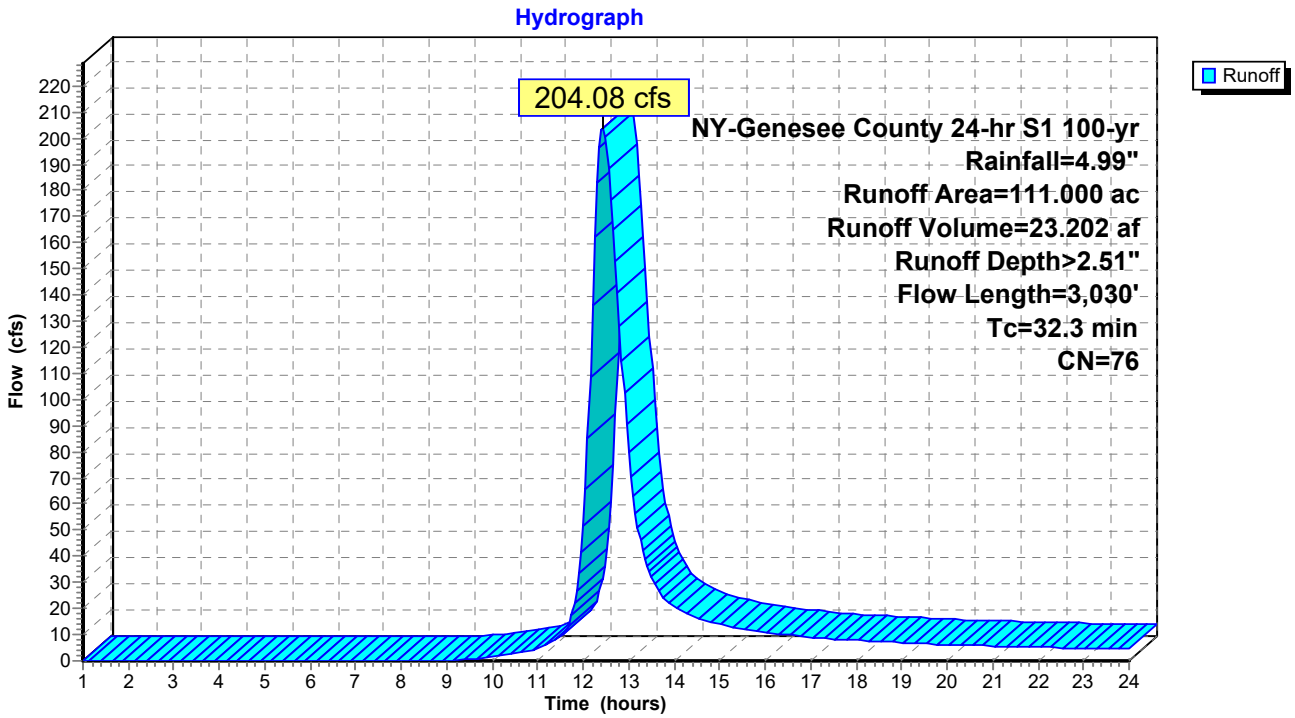
Runoff = 204.08 cfs @ 12.42 hrs, Volume= 23.202 af, Depth> 2.51"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	111.000	76	
	111.000		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.5	150	0.0500	0.15		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
14.0	2,350	0.0300	2.79		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	530		5.00		**Direct Entry,**
32.3	3,030	Total			

Subcatchment 16S: 16



Summary for Subcatchment 17S: 17

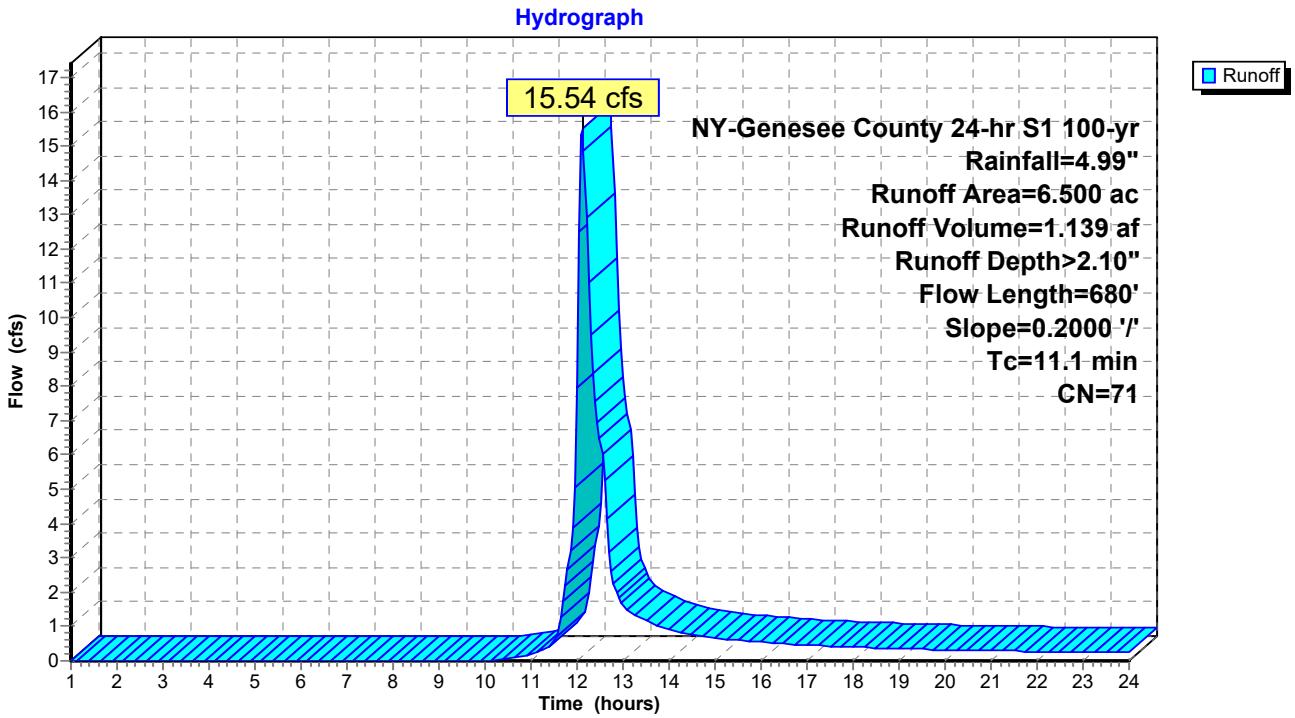
Runoff = 15.54 cfs @ 12.12 hrs, Volume= 1.139 af, Depth> 2.10"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	6.500	71	
	6.500		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
0.3	150	0.2000	7.20		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	380		5.00		**Direct Entry,**
11.1	680	Total			

Subcatchment 17S: 17



Summary for Subcatchment 18S: 18

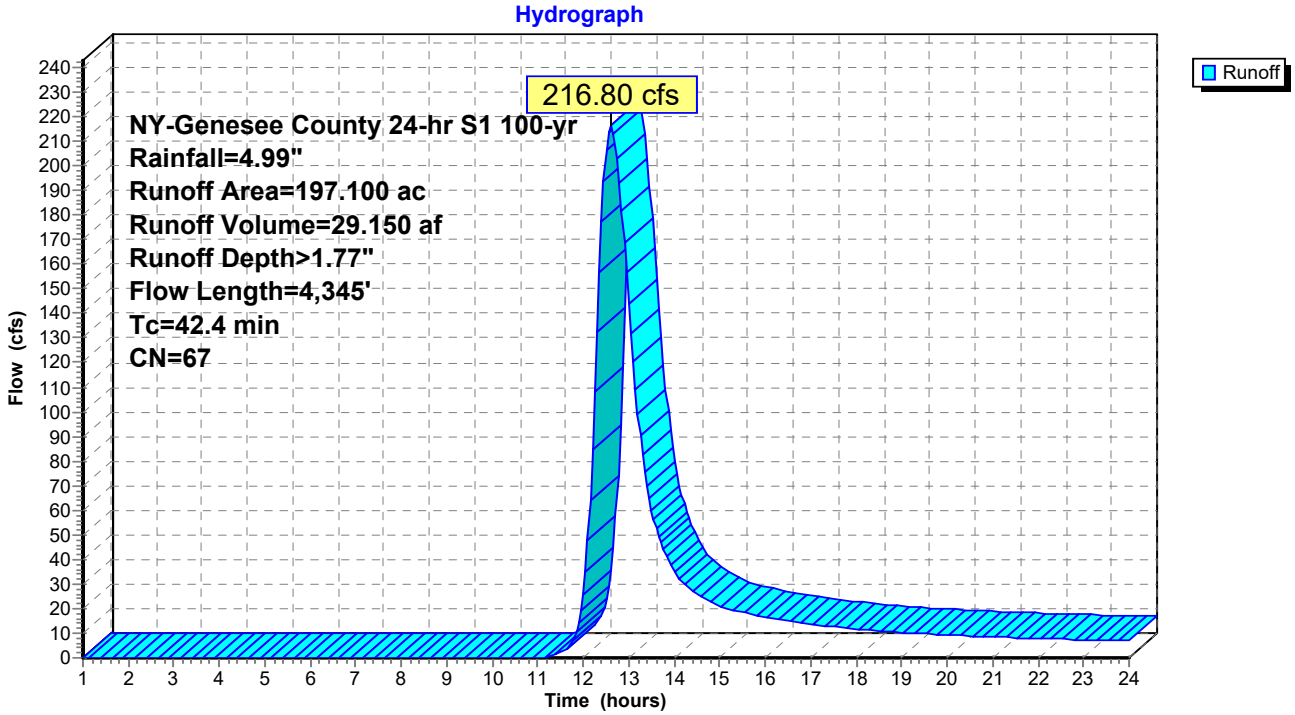
Runoff = 216.80 cfs @ 12.61 hrs, Volume= 29.150 af, Depth> 1.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	197.100	67	
	197.100		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.5	150	0.0330	0.13		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
16.3	2,225	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.6	1,970		5.00		**Direct Entry,**
42.4	4,345	Total			

Subcatchment 18S: 18



Summary for Subcatchment 19S: 19

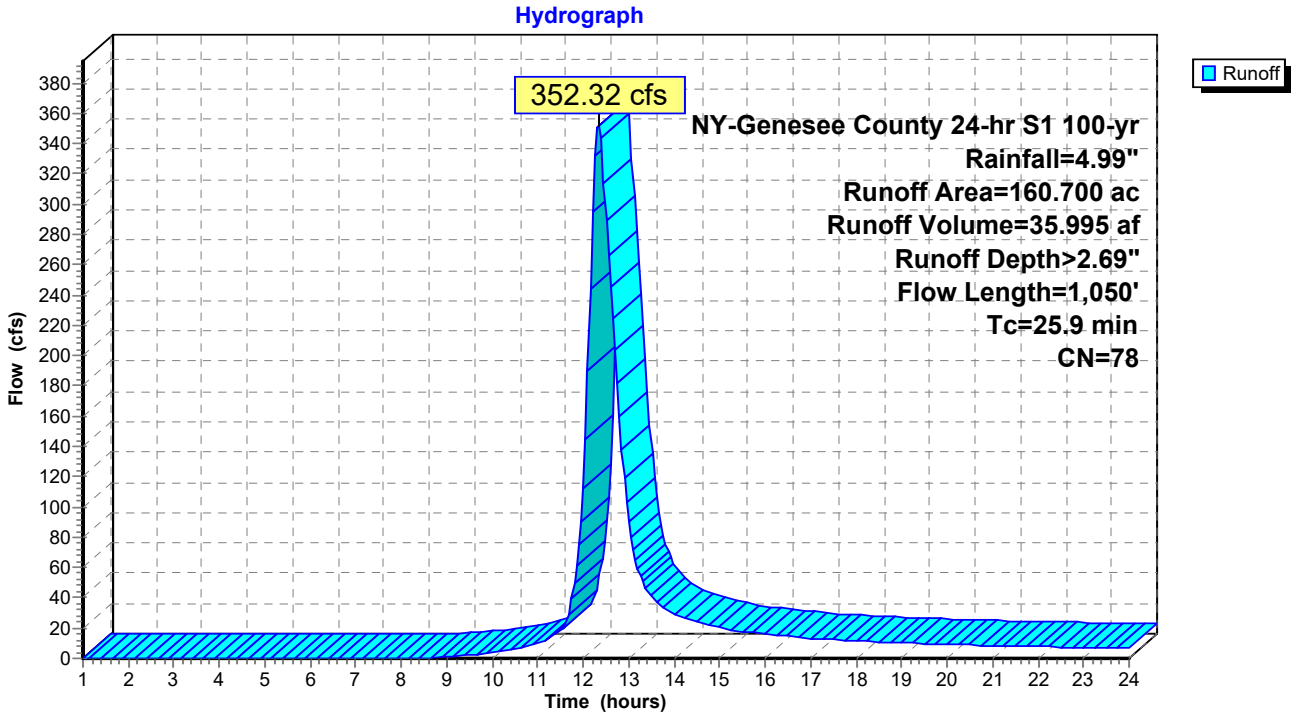
Runoff = 352.32 cfs @ 12.33 hrs, Volume= 35.995 af, Depth> 2.69"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	160.700	78	
	160.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
19.9	120	0.0200	0.10		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.9	30	0.1500	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
3.1	900	0.0900	4.83		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
25.9	1,050	Total			

Subcatchment 19S: 19



Summary for Subcatchment 20S: 20

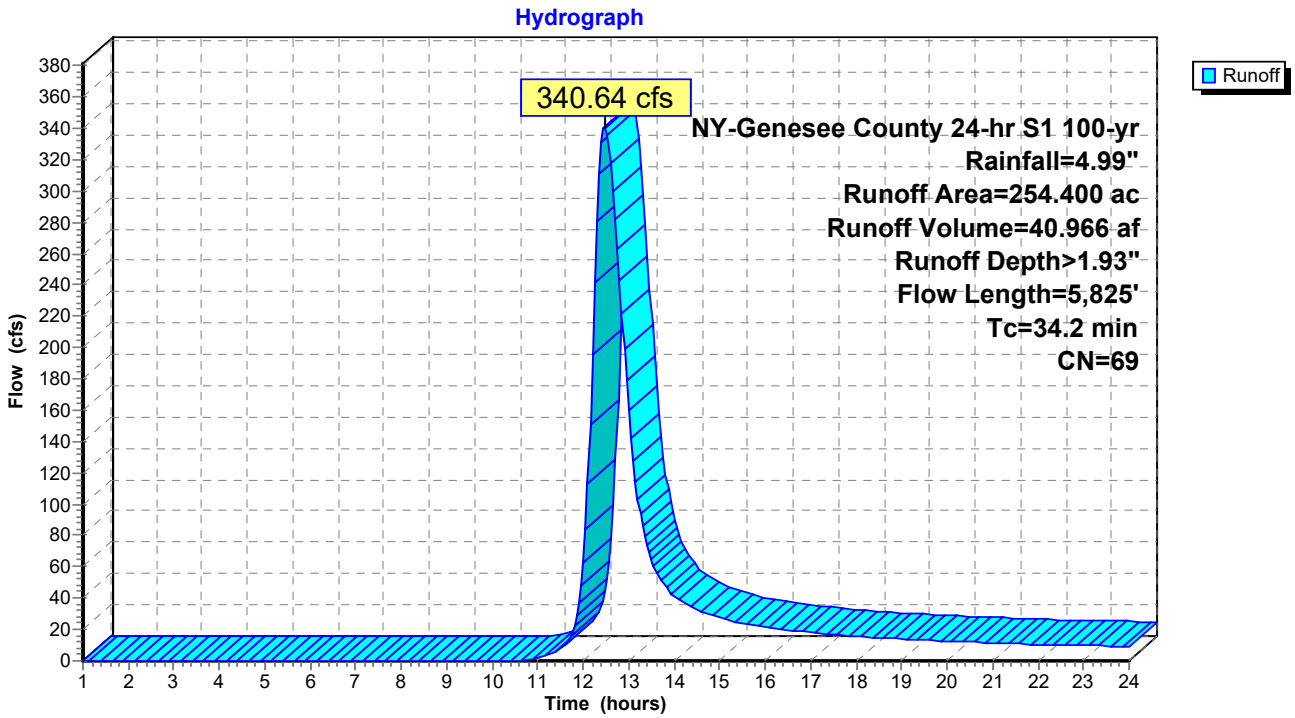
Runoff = 340.64 cfs @ 12.47 hrs, Volume= 40.966 af, Depth> 1.93"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	254.400	69	
	254.400		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.5	150	0.1000	0.20		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.8	1,500	0.0400	3.22		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
13.9	4,175		5.00		**Direct Entry,**
34.2	5,825	Total			

Subcatchment 20S: 20



Summary for Subcatchment 21S: 21

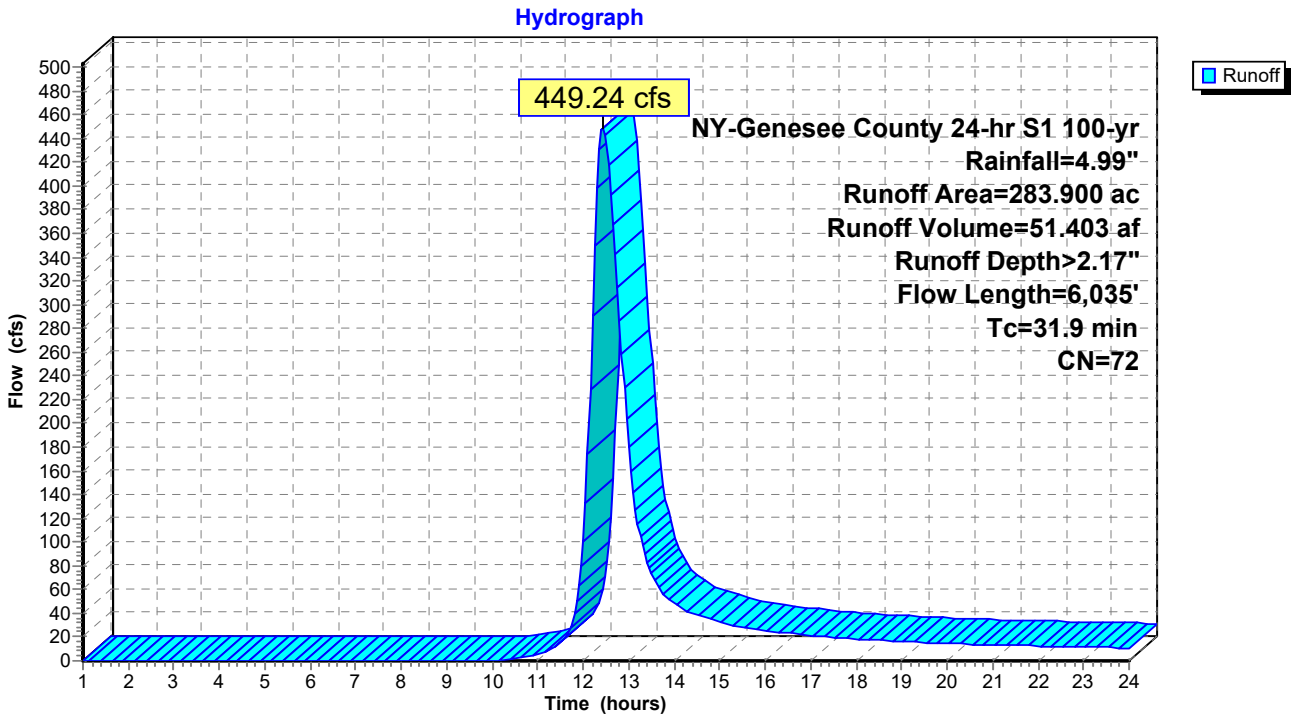
Runoff = 449.24 cfs @ 12.43 hrs, Volume= 51.403 af, Depth> 2.17"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	283.900	72	
	283.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.5	2,260	0.0750	4.41		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
12.1	3,625		5.00		**Direct Entry,**
31.9	6,035	Total			

Subcatchment 21S: 21



Summary for Subcatchment 22S: 22

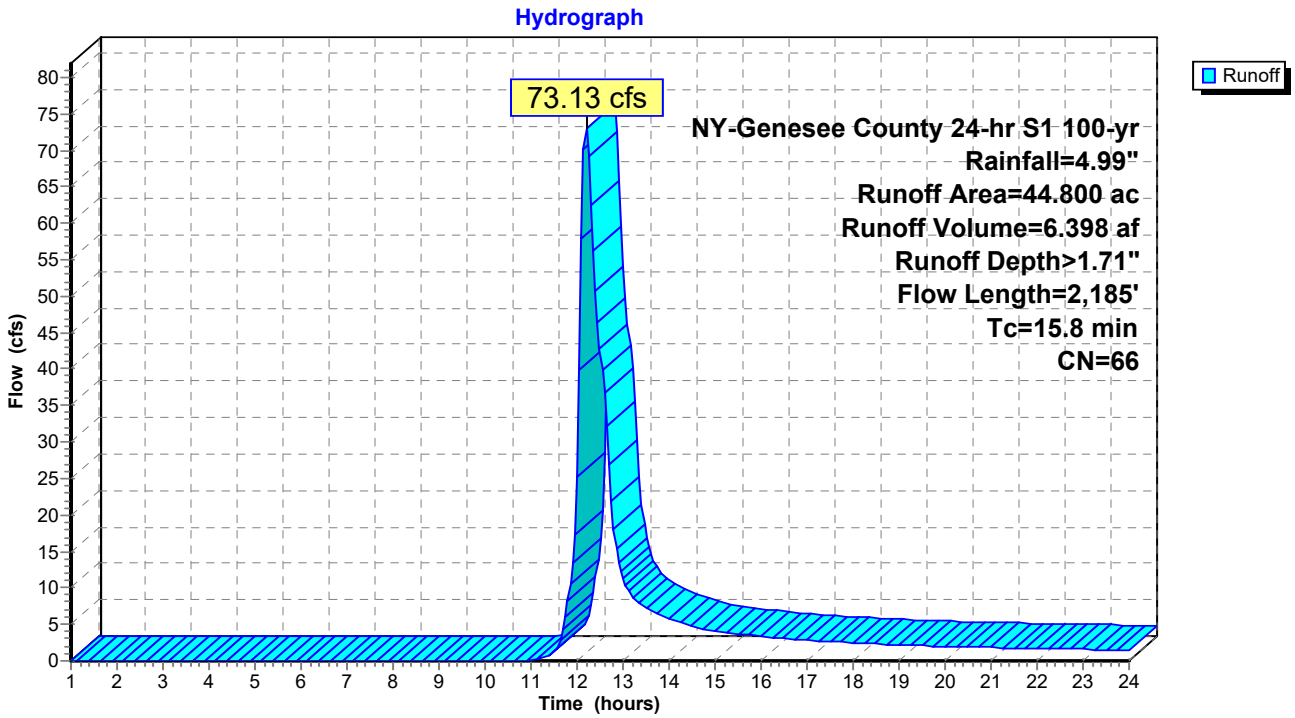
Runoff = 73.13 cfs @ 12.20 hrs, Volume= 6.398 af, Depth> 1.71"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	44.800	66	
	44.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.5	150	0.2000	0.26		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.0	460	0.2200	7.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
5.2	1,575		5.00		**Direct Entry,**
15.8	2,185	Total			

Subcatchment 22S: 22



Summary for Subcatchment 23S: 23

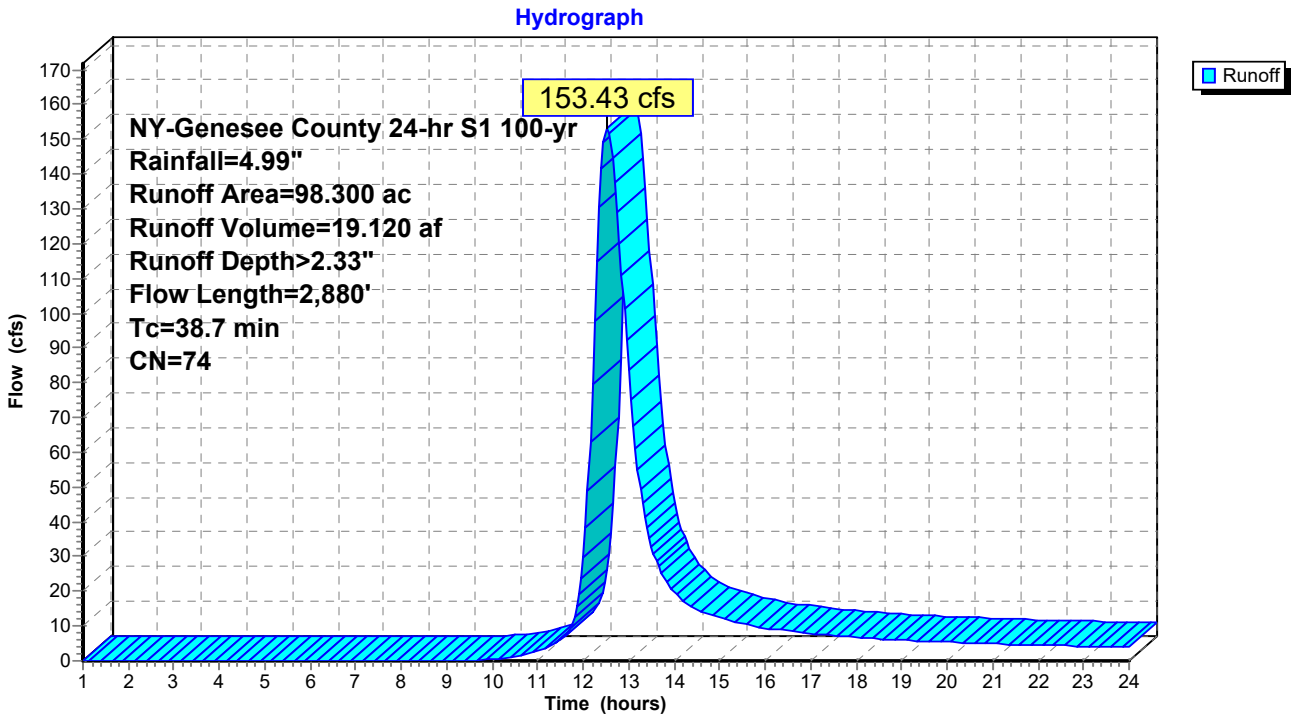
Runoff = 153.43 cfs @ 12.53 hrs, Volume= 19.120 af, Depth> 2.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	98.300	74	
	98.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.8	150	0.0200	0.11		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
11.8	1,800	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
3.1	930		5.00		**Direct Entry,**
38.7	2,880	Total			

Subcatchment 23S: 23



Summary for Subcatchment 24S: 24

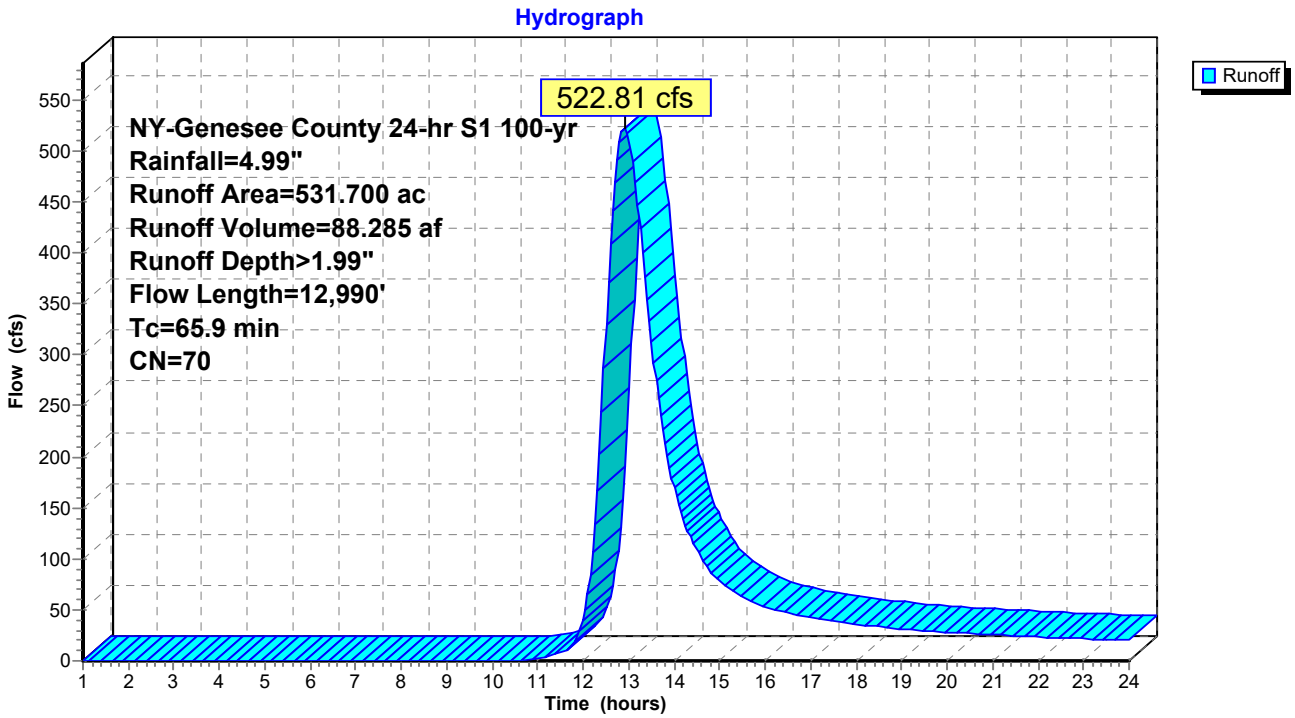
Runoff = 522.81 cfs @ 12.92 hrs, Volume= 88.285 af, Depth> 1.99"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	531.700	70	
	531.700		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.7	150	0.0670	0.17		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
12.4	1,200	0.0100	1.61		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
38.8	11,640		5.00		**Direct Entry,**
65.9	12,990	Total			

Subcatchment 24S: 24



Summary for Subcatchment 25S: 25

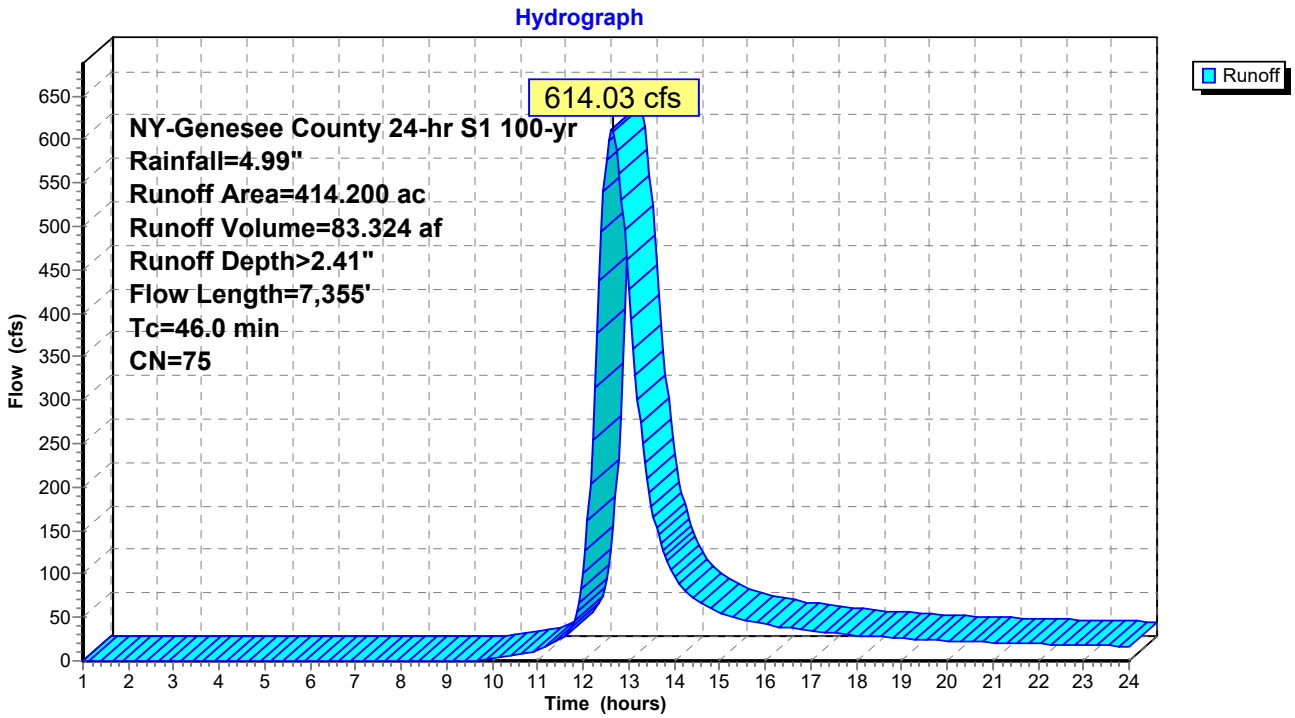
Runoff = 614.03 cfs @ 12.63 hrs, Volume= 83.324 af, Depth> 2.41"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	414.200	75	
	414.200		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.0	150	0.0400	0.14		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
8.1	1,230	0.0250	2.55		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
19.9	5,975		5.00		**Direct Entry,**
46.0	7,355	Total			

Subcatchment 25S: 25



Summary for Subcatchment 26S: 26

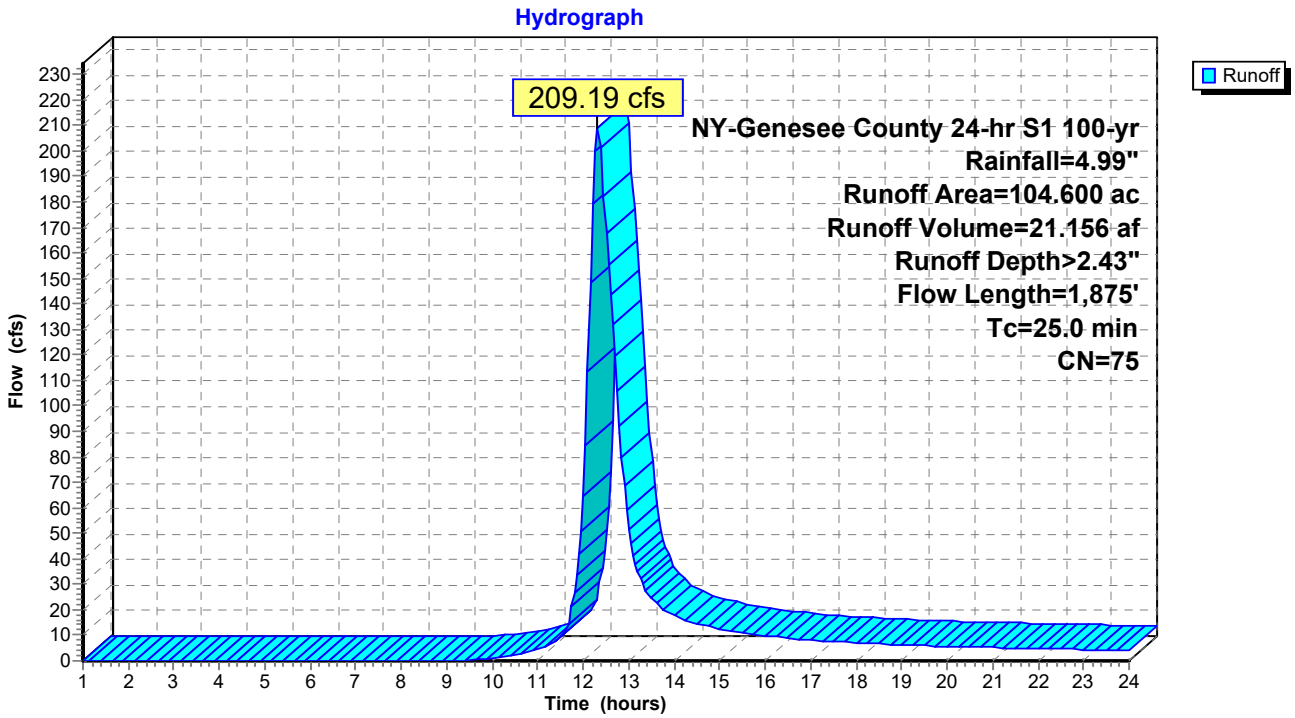
Runoff = 209.19 cfs @ 12.32 hrs, Volume= 21.156 af, Depth> 2.43"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	104.600	75	
	104.600		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.3	150	0.0600	0.16		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
7.2	980	0.0200	2.28		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
2.5	745		5.00		**Direct Entry,**
25.0	1,875	Total			

Subcatchment 26S: 26



Summary for Subcatchment 27S: 27

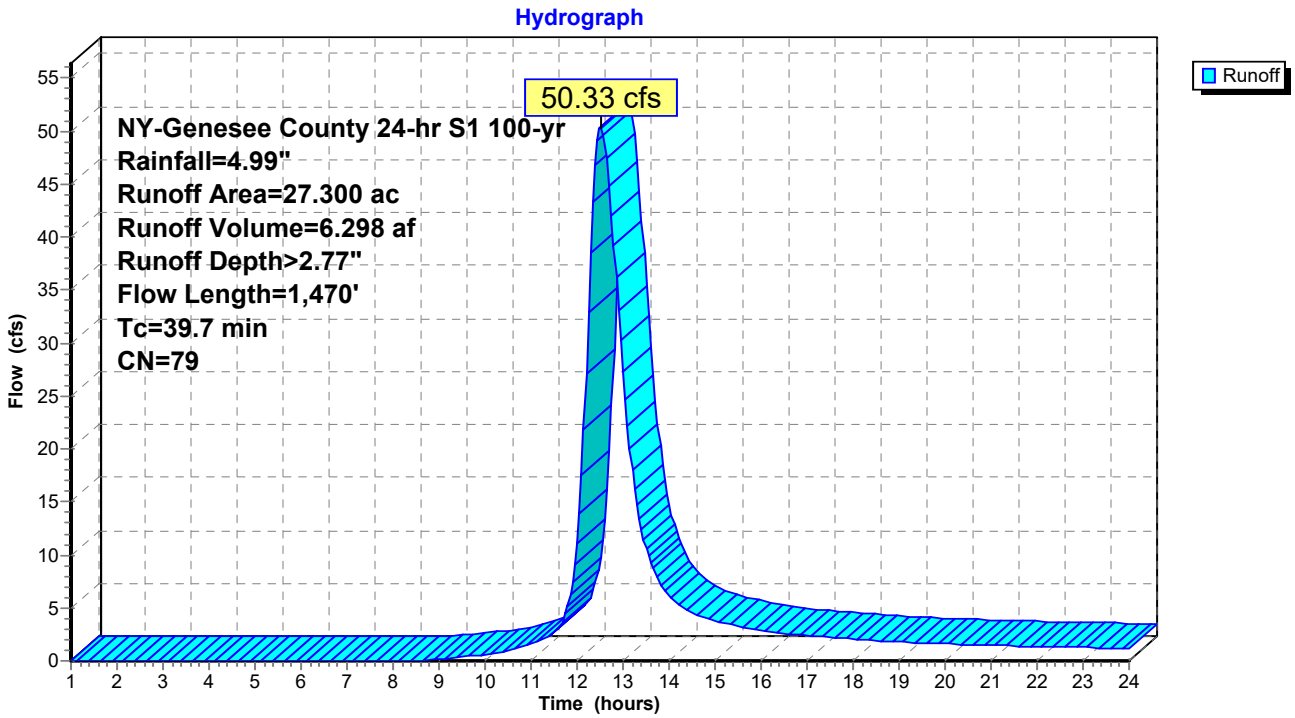
Runoff = 50.33 cfs @ 12.52 hrs, Volume= 6.298 af, Depth> 2.77"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	27.300	79	
	27.300		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
6.5	770	0.0150	1.97		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.8	550		5.00		**Direct Entry,**
39.7	1,470	Total			

Subcatchment 27S: 27



Summary for Subcatchment 28S: 28

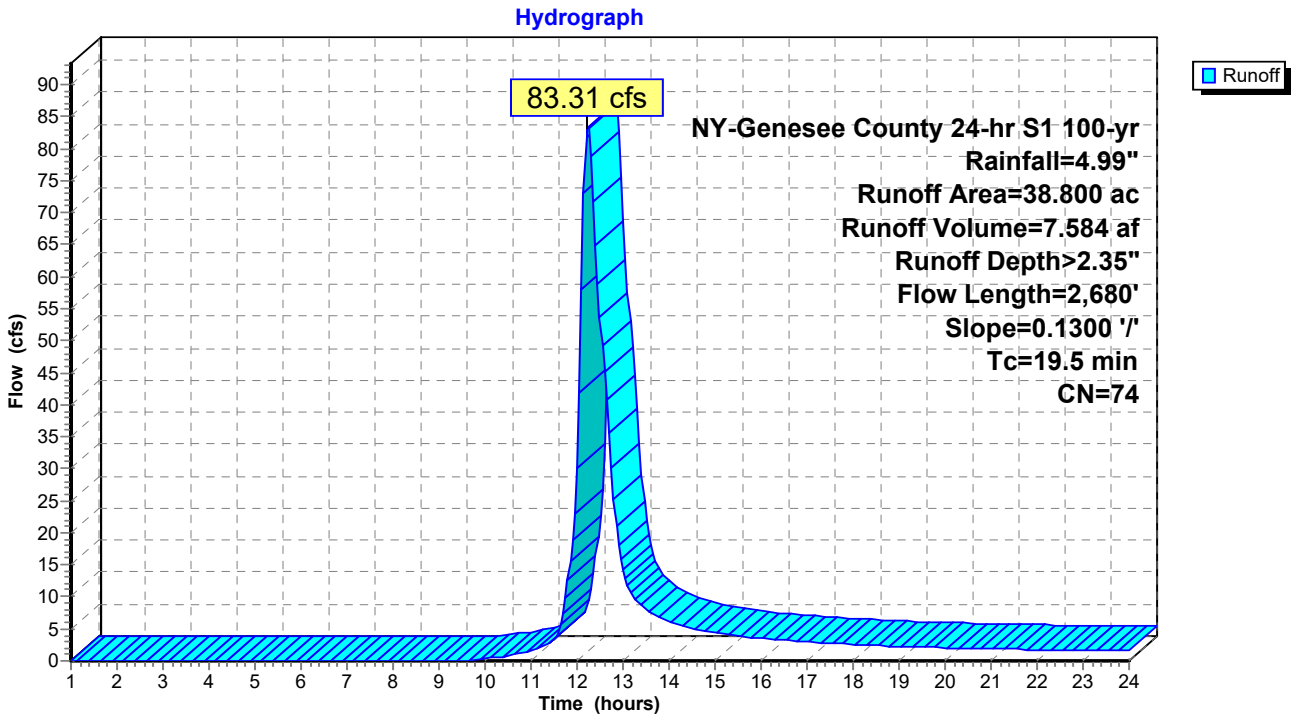
Runoff = 83.31 cfs @ 12.24 hrs, Volume= 7.584 af, Depth> 2.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	38.800	74	
	38.800		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.3	150	0.1300	0.22		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
1.8	620	0.1300	5.80		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
6.4	1,910		5.00		**Direct Entry,**
19.5	2,680	Total			

Subcatchment 28S: 28



Summary for Subcatchment 29S: 29

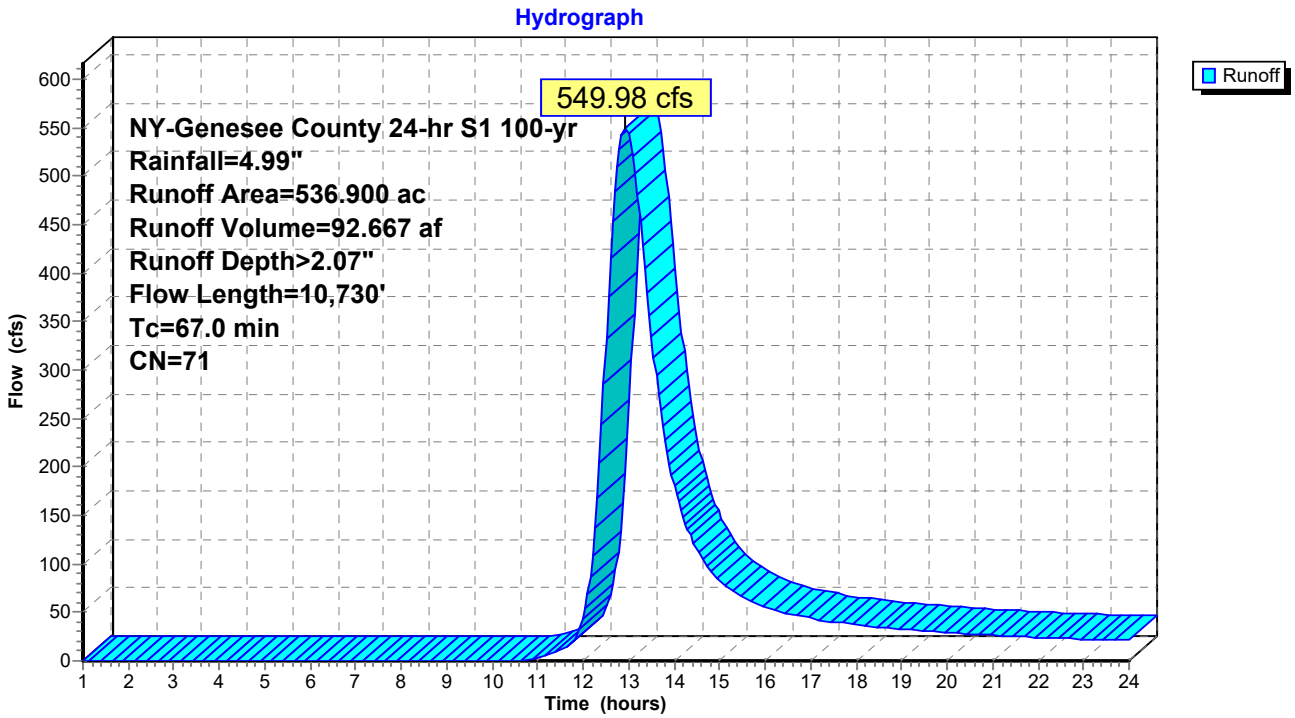
Runoff = 549.98 cfs @ 12.93 hrs, Volume= 92.667 af, Depth> 2.07"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	536.900	71	
	536.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	700	0.0700	4.26		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
32.9	9,880		5.00		**Direct Entry,**
67.0	10,730	Total			

Subcatchment 29S: 29



Summary for Subcatchment 30S: 30

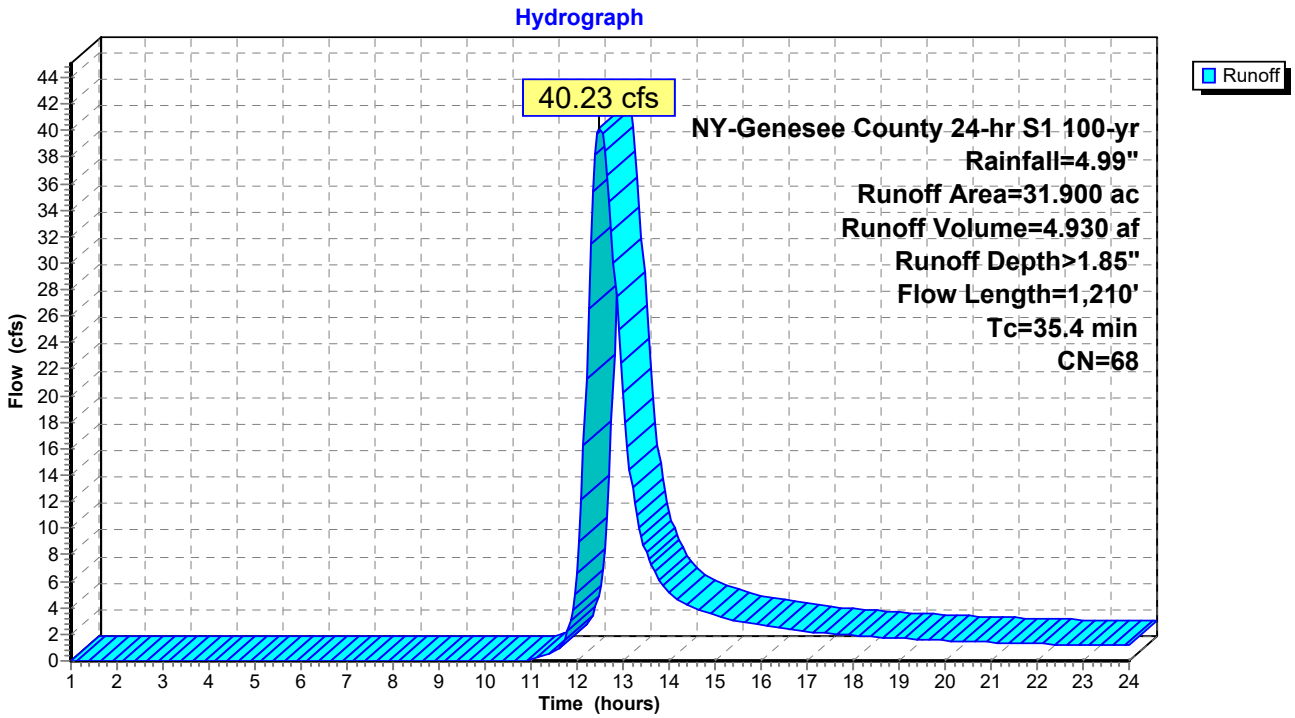
Runoff = 40.23 cfs @ 12.50 hrs, Volume= 4.930 af, Depth> 1.85"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	31.900	68	
	31.900		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.4	150	0.0100	0.08		**Sheet Flow,** Grass: Dense n= 0.240 P2= 2.20"
2.7	670	0.0670	4.17		**Shallow Concentrated Flow,** Unpaved Kv= 16.1 fps
1.3	390		5.00		**Direct Entry,**
35.4	1,210	Total			

Subcatchment 30S: 30



Summary for Subcatchment 44S: 16.1

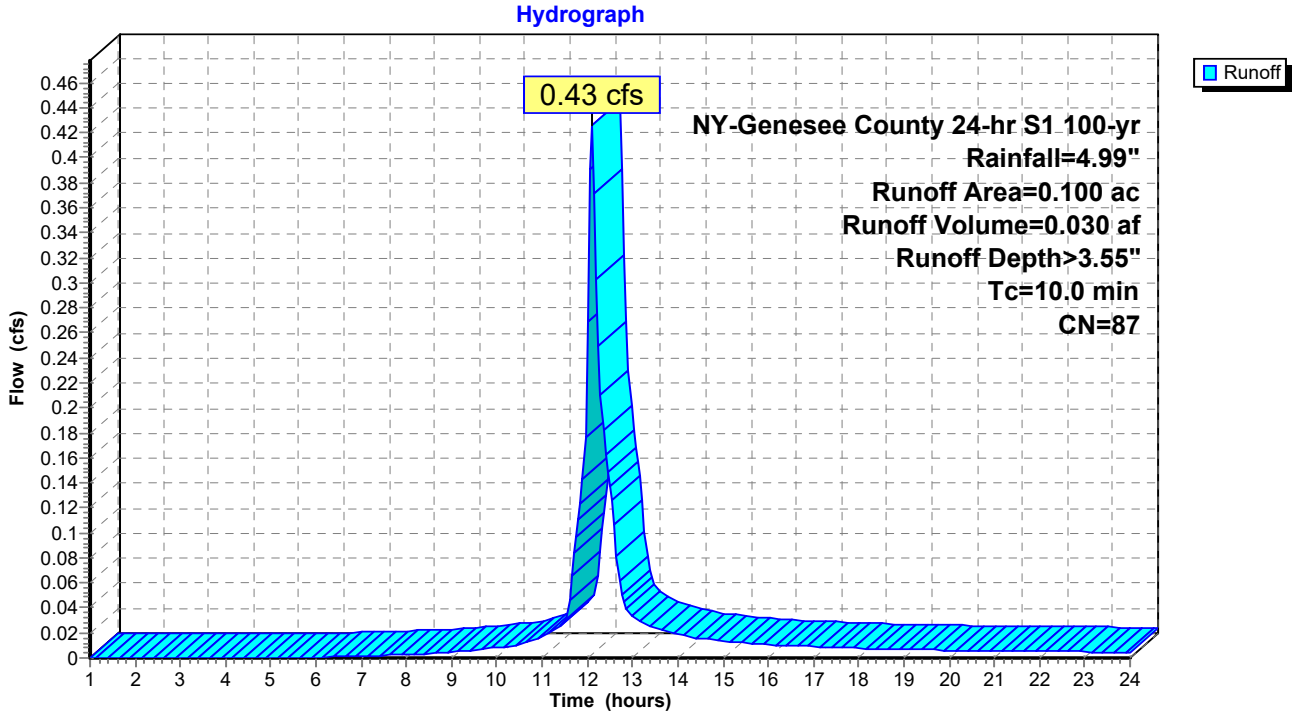
Runoff = 0.43 cfs @ 12.09 hrs, Volume= 0.030 af, Depth> 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	0.100	87	
	0.100		100.00% Pervious Area

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

Subcatchment 44S: 16.1



Summary for Subcatchment 45S: 18.1

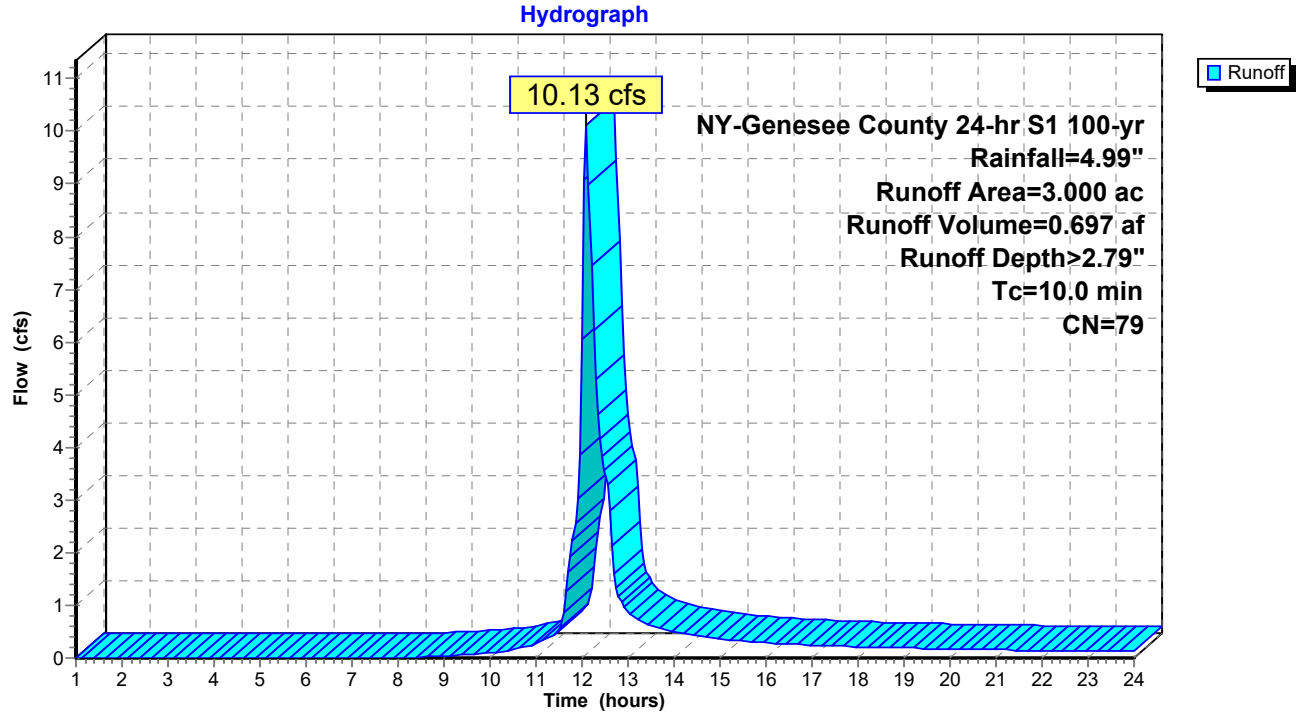
Runoff = 10.13 cfs @ 12.10 hrs, Volume= 0.697 af, Depth> 2.79"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	3.000	79	
	3.000		100.00% Pervious Area

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

Subcatchment 45S: 18.1



Summary for Subcatchment 46S: 19.1

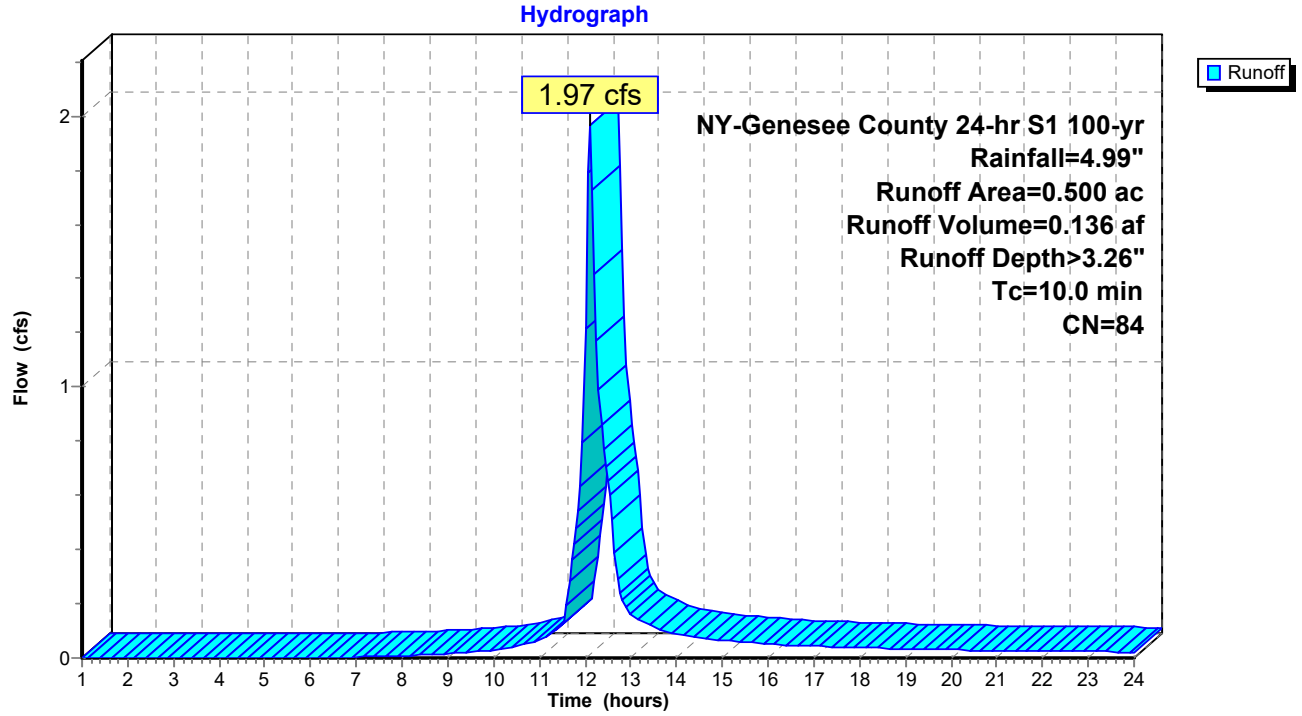
Runoff = 1.97 cfs @ 12.10 hrs, Volume= 0.136 af, Depth> 3.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	0.500	84	
	0.500		100.00% Pervious Area

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

Subcatchment 46S: 19.1



Summary for Subcatchment 47S: 21.1

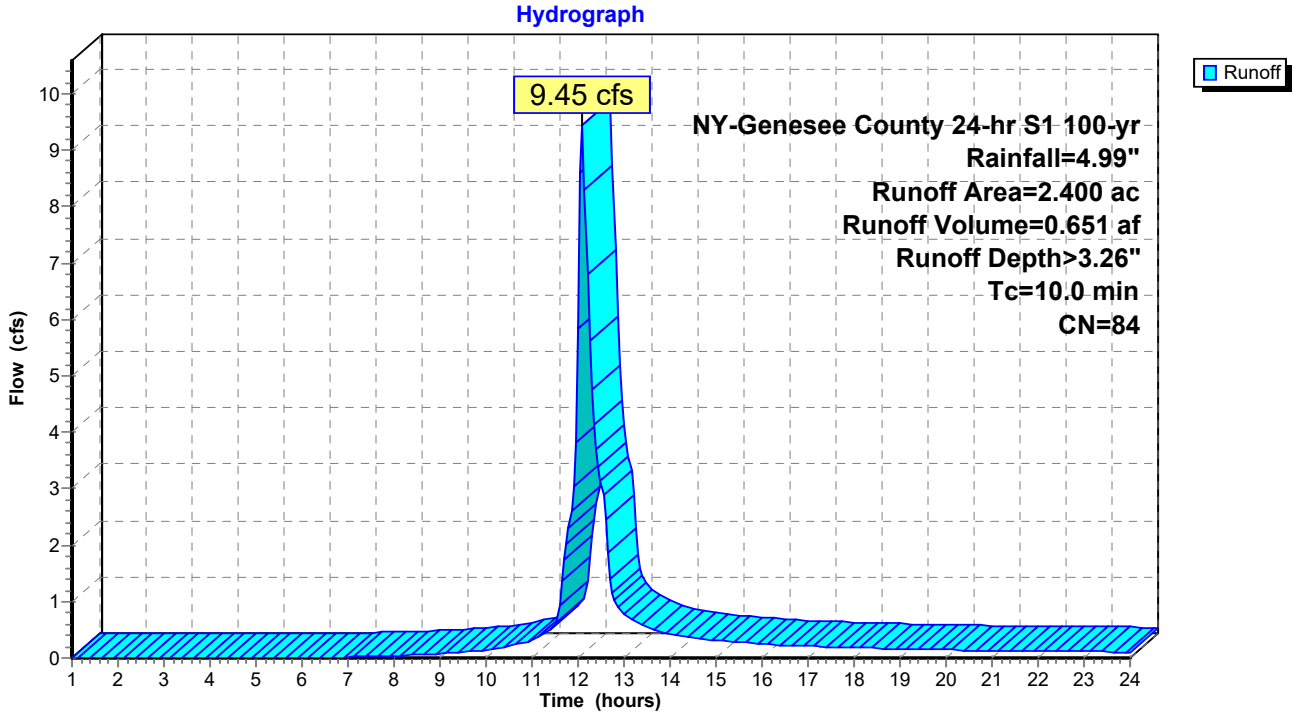
Runoff = 9.45 cfs @ 12.10 hrs, Volume= 0.651 af, Depth> 3.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	2.400	84	
	2.400		100.00% Pervious Area

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

Subcatchment 47S: 21.1



Summary for Subcatchment 48S: 23.1

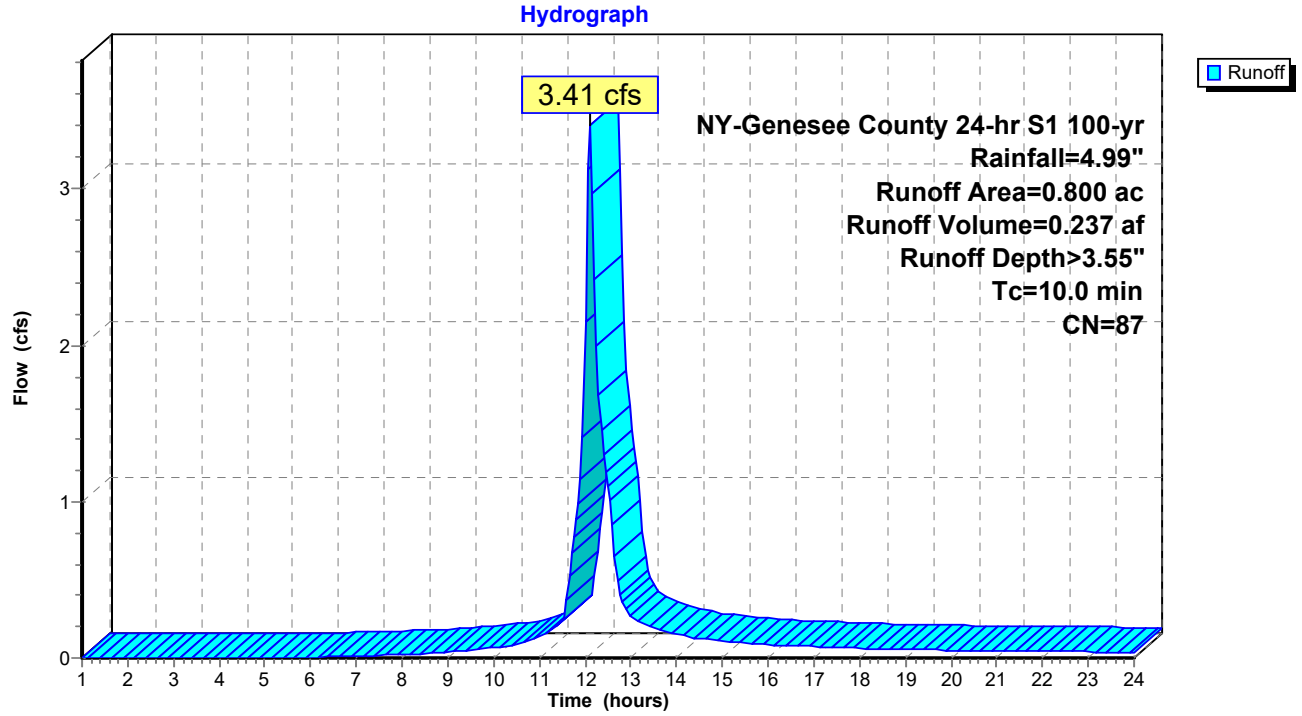
Runoff = 3.41 cfs @ 12.09 hrs, Volume= 0.237 af, Depth> 3.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	0.800	87	
	0.800		100.00% Pervious Area

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

Subcatchment 48S: 23.1



Summary for Subcatchment 49S: 24.1

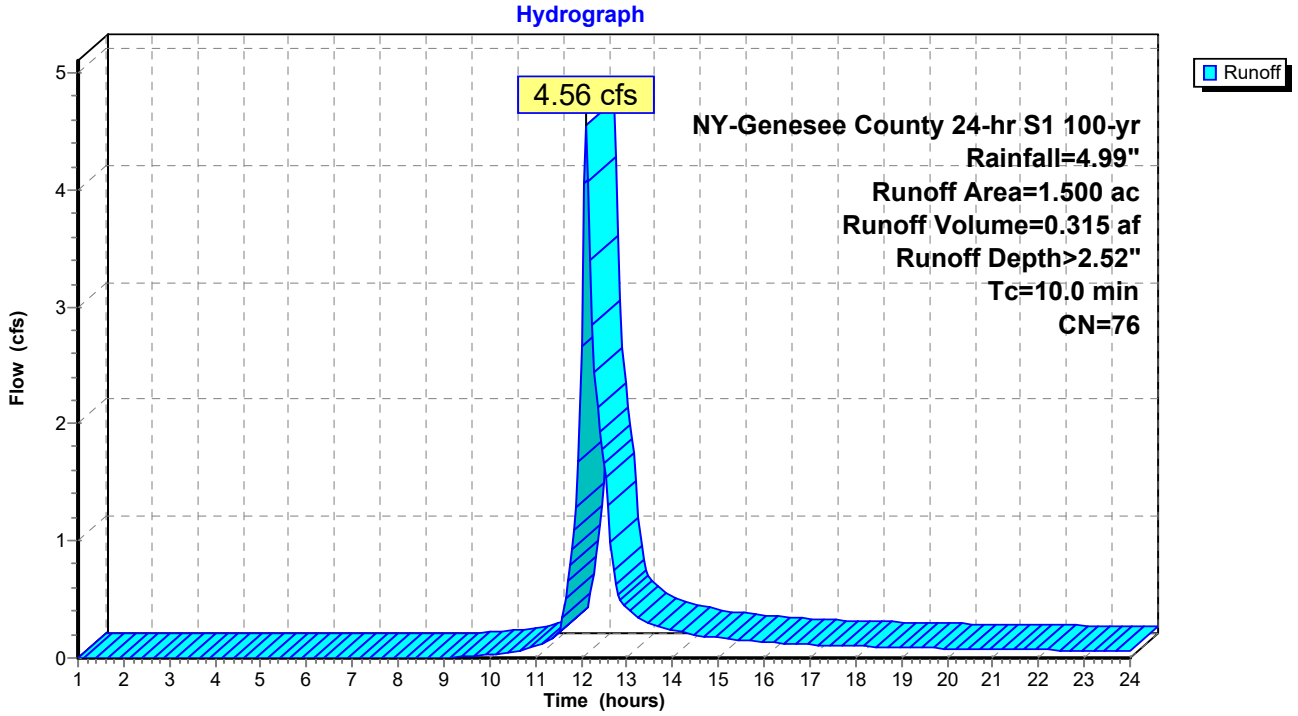
Runoff = 4.56 cfs @ 12.10 hrs, Volume= 0.315 af, Depth> 2.52"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	1.500	76	
	1.500		100.00% Pervious Area

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

Subcatchment 49S: 24.1



Summary for Subcatchment 50S: 25.1

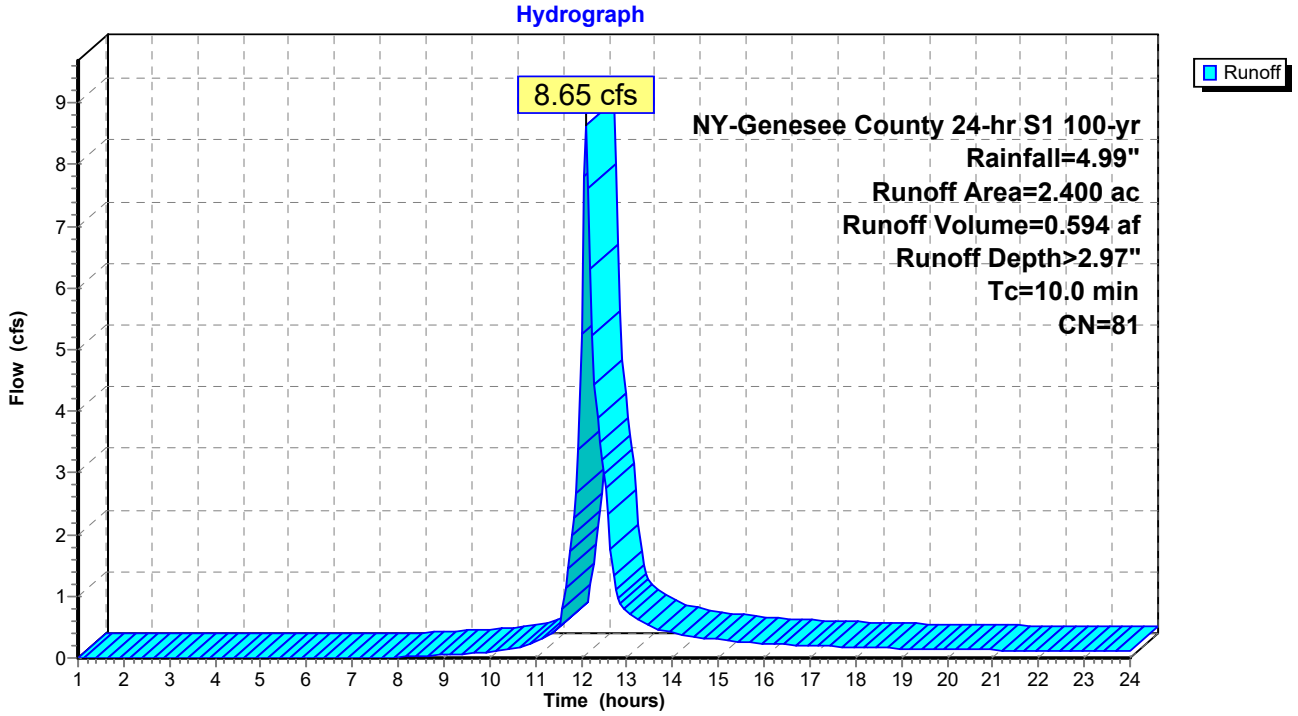
Runoff = 8.65 cfs @ 12.10 hrs, Volume= 0.594 af, Depth> 2.97"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	2.400	81	
	2.400		100.00% Pervious Area

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

Subcatchment 50S: 25.1



Summary for Subcatchment 51S: 26.1

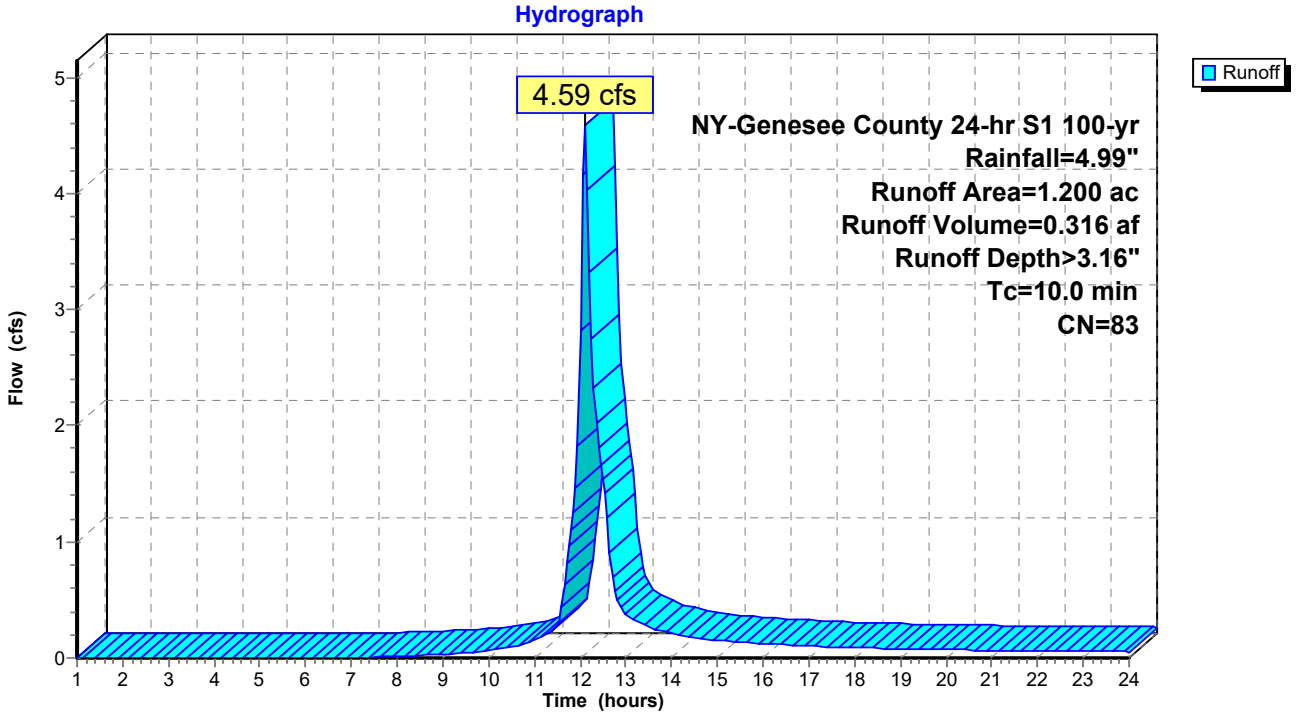
Runoff = 4.59 cfs @ 12.10 hrs, Volume= 0.316 af, Depth> 3.16"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	1.200	83	
	1.200		100.00% Pervious Area

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

Subcatchment 51S: 26.1



Summary for Subcatchment 52S: 27.1

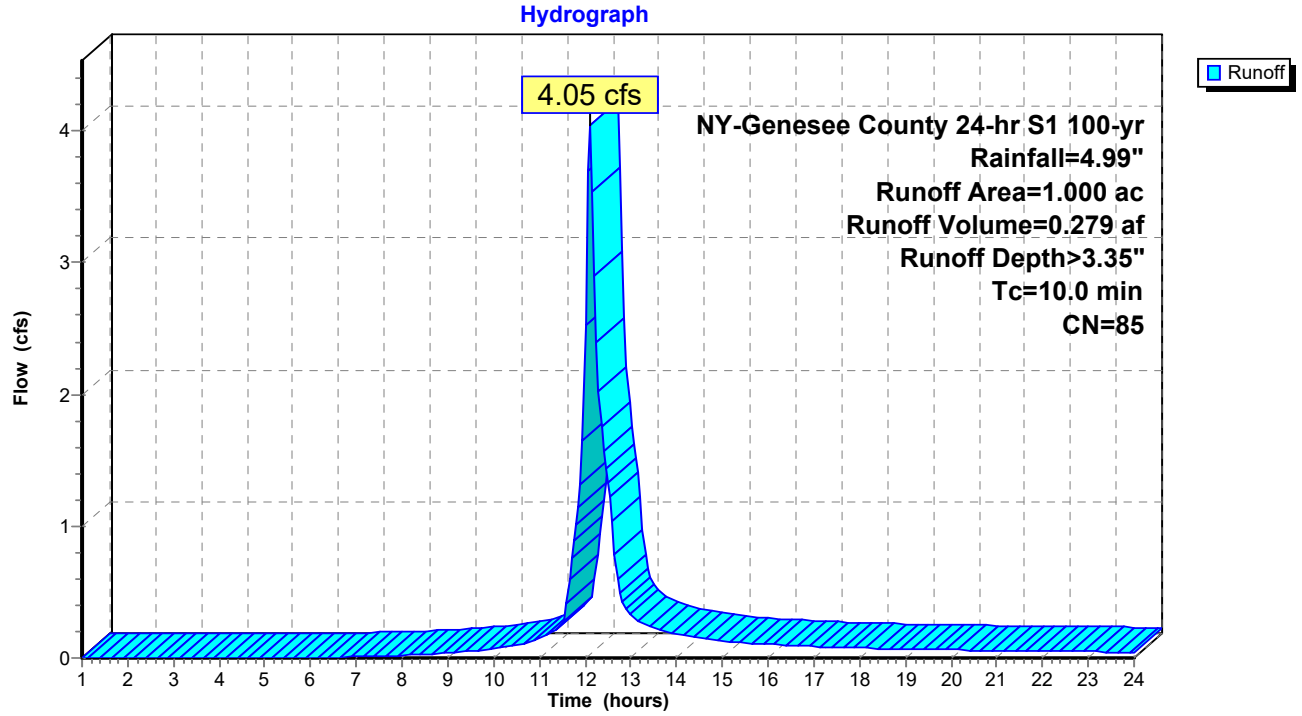
Runoff = 4.05 cfs @ 12.10 hrs, Volume= 0.279 af, Depth> 3.35"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	1.000	85	
	1.000		100.00% Pervious Area

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

Subcatchment 52S: 27.1



Summary for Subcatchment 53S: 28.1

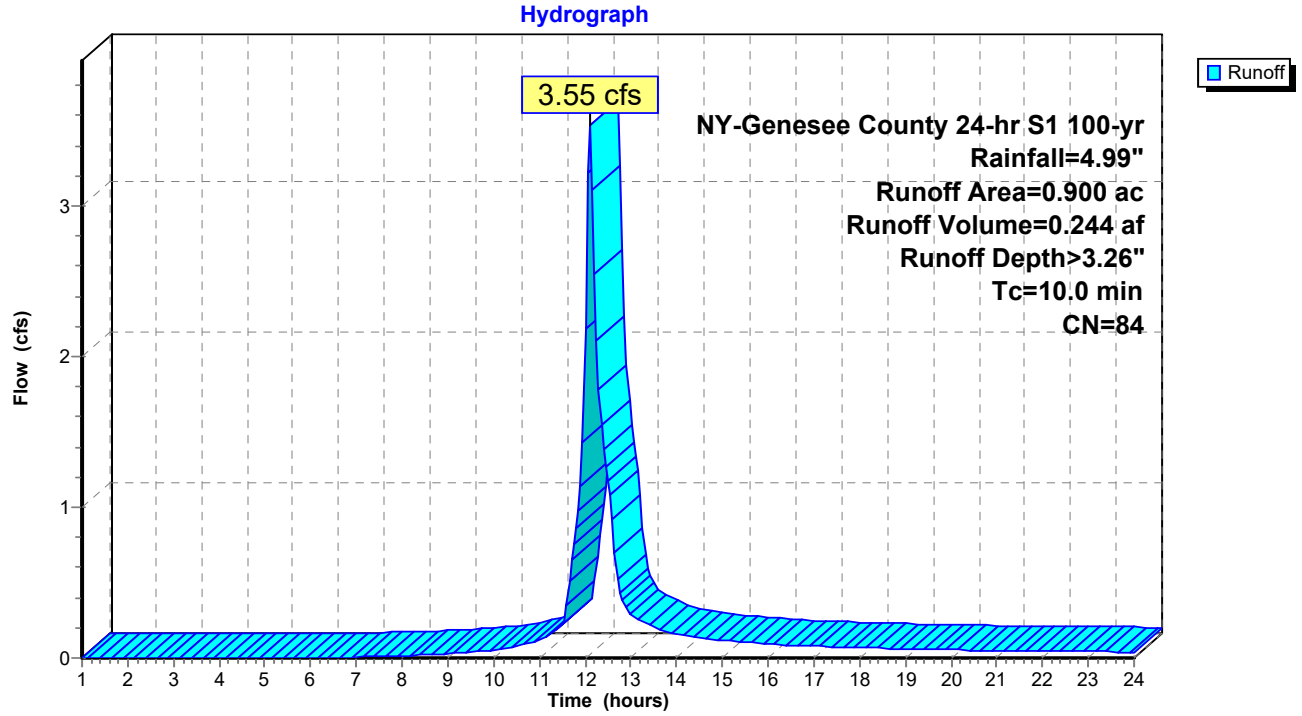
Runoff = 3.55 cfs @ 12.10 hrs, Volume= 0.244 af, Depth> 3.26"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	0.900	84	
	0.900		100.00% Pervious Area

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

Subcatchment 53S: 28.1



Summary for Subcatchment 54S: 29.1

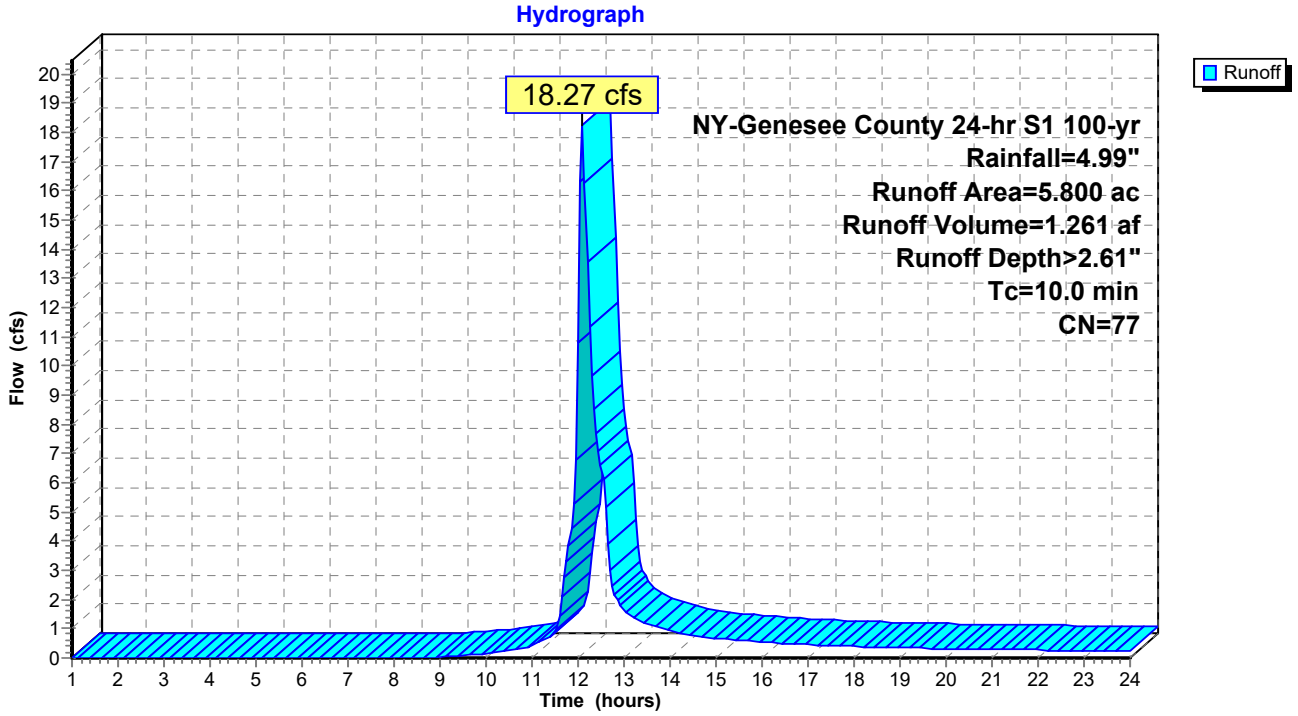
Runoff = 18.27 cfs @ 12.10 hrs, Volume= 1.261 af, Depth> 2.61"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
NY-Genesee County 24-hr S1 100-yr Rainfall=4.99"

	Area (ac)	CN	Description
*	5.800	77	
	5.800		100.00% Pervious Area

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

Subcatchment 54S: 29.1



Summary for Pond 16P: Dry Swale 16

Inflow Area = 0.100 ac, 0.00% Impervious, Inflow Depth > 3.55" for 100-yr event
Inflow = 0.43 cfs @ 12.09 hrs, Volume= 0.030 af
Outflow = 0.02 cfs @ 14.23 hrs, Volume= 0.018 af, Atten= 96%, Lag= 127.9 min
Discarded = 0.02 cfs @ 14.23 hrs, Volume= 0.018 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.85' @ 14.23 hrs Surf.Area= 0.030 ac Storage= 0.018 af

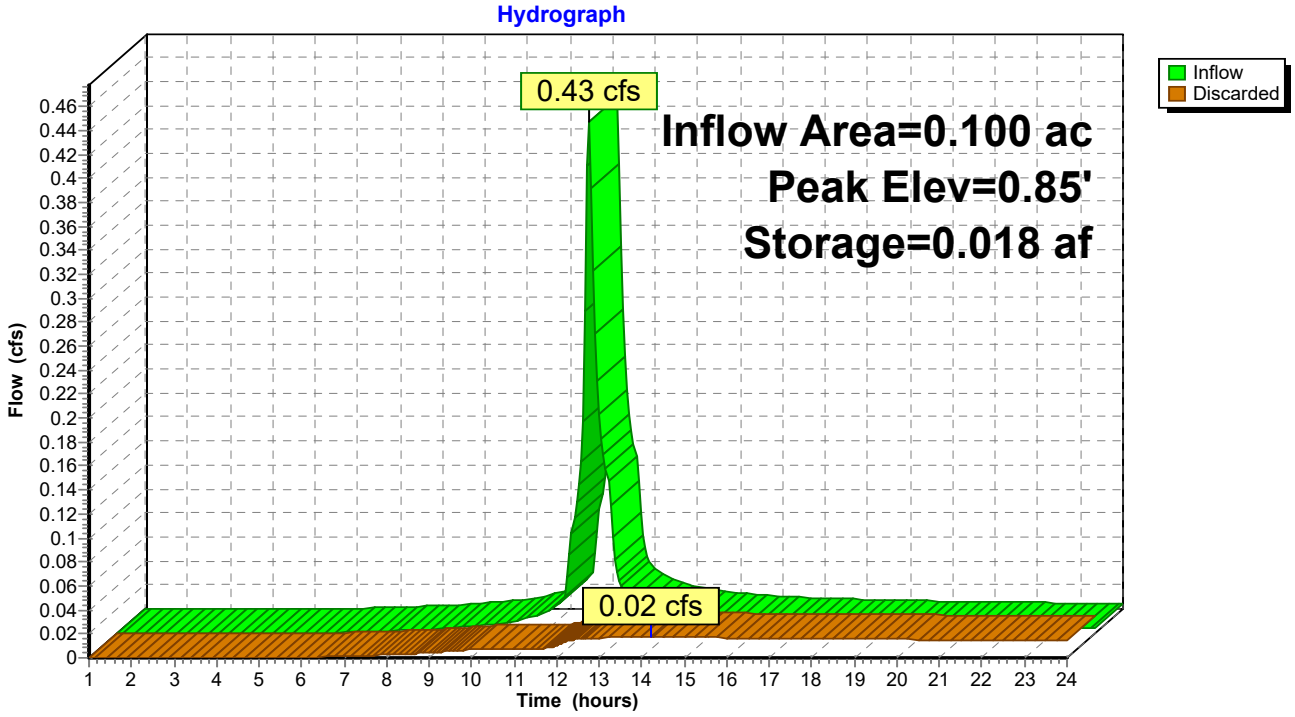
Plug-Flow detention time= 309.6 min calculated for 0.018 af (60% of inflow)
Center-of-Mass det. time= 213.8 min (1,014.9 - 801.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.023 af	**4.00'W x 140.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.02 cfs @ 14.23 hrs HW=0.85' (Free Discharge)
1=Exfiltration (Controls 0.02 cfs)

Pond 16P: Dry Swale 16



Summary for Pond 18P: Dry Swale 18

Inflow Area = 3.000 ac, 0.00% Impervious, Inflow Depth > 2.79" for 100-yr event
Inflow = 10.13 cfs @ 12.10 hrs, Volume= 0.697 af
Outflow = 0.45 cfs @ 14.26 hrs, Volume= 0.448 af, Atten= 96%, Lag= 129.9 min
Discarded = 0.45 cfs @ 14.26 hrs, Volume= 0.448 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.68' @ 14.26 hrs Surf.Area= 0.809 ac Storage= 0.413 af

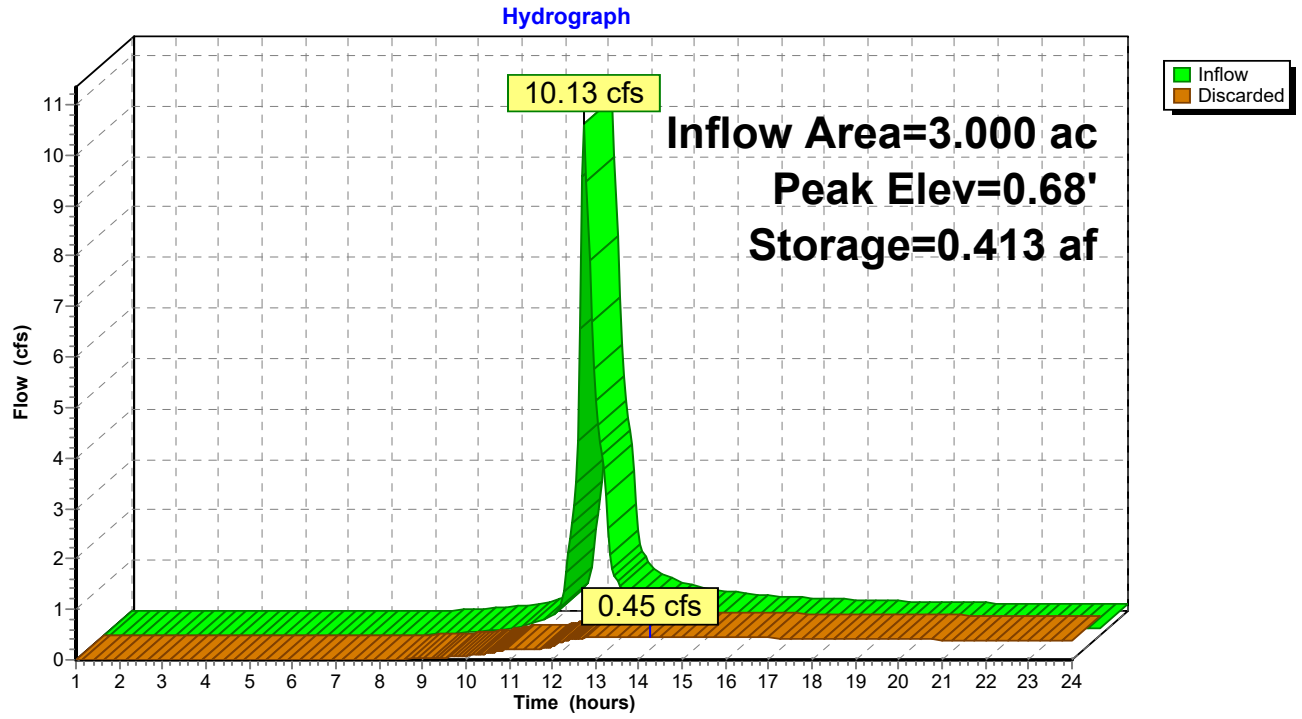
Plug-Flow detention time= 315.0 min calculated for 0.447 af (64% of inflow)
Center-of-Mass det. time= 217.0 min (1,039.5 - 822.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.700 af	**4.00'W x 4,350.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.45 cfs @ 14.26 hrs HW=0.68' (Free Discharge)
1=Exfiltration (Controls 0.45 cfs)

Pond 18P: Dry Swale 18



Summary for Pond 19P: Dry Swale 19

Inflow Area = 0.500 ac, 0.00% Impervious, Inflow Depth > 3.26" for 100-yr event
Inflow = 1.97 cfs @ 12.10 hrs, Volume= 0.136 af
Outflow = 0.08 cfs @ 14.25 hrs, Volume= 0.084 af, Atten= 96%, Lag= 129.3 min
Discarded = 0.08 cfs @ 14.25 hrs, Volume= 0.084 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.78' @ 14.25 hrs Surf.Area= 0.145 ac Storage= 0.082 af

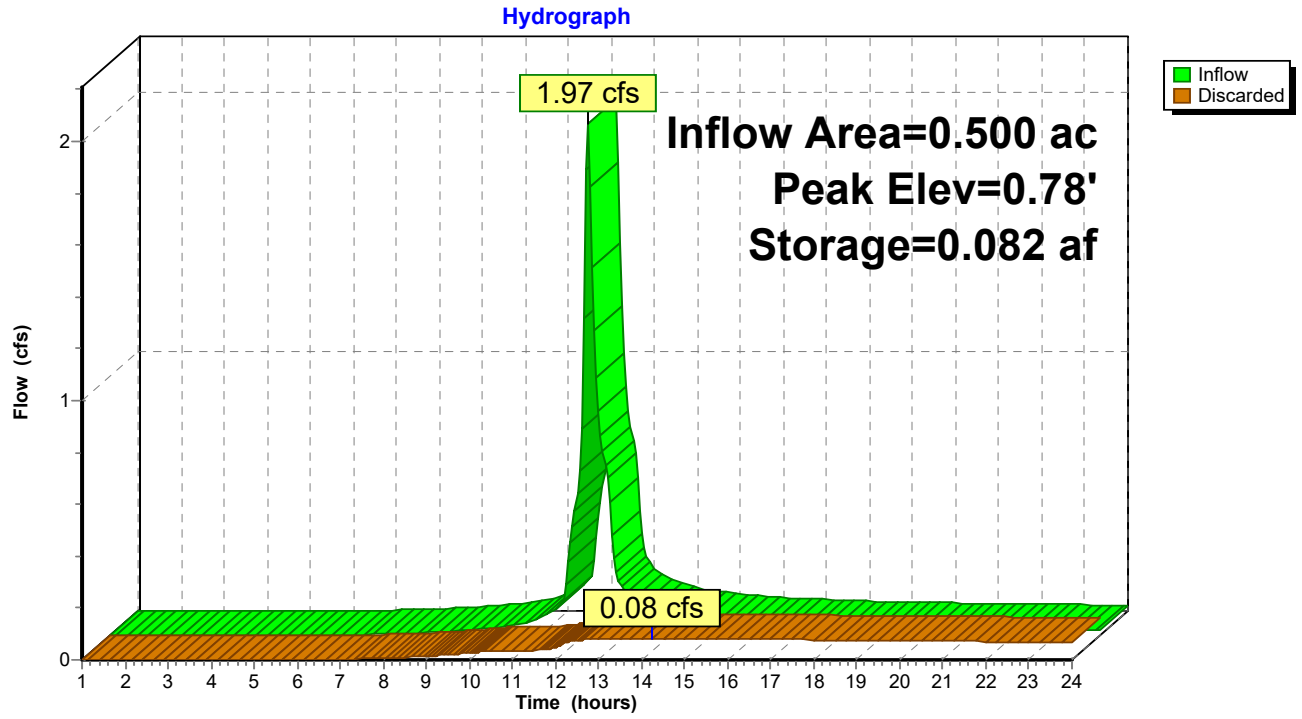
Plug-Flow detention time= 311.2 min calculated for 0.084 af (62% of inflow)
Center-of-Mass det. time= 215.6 min (1,025.3 - 809.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.117 af	**4.00'W x 725.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.08 cfs @ 14.25 hrs HW=0.78' (Free Discharge)
1=Exfiltration (Controls 0.08 cfs)

Pond 19P: Dry Swale 19



Summary for Pond 21P: Dry Swale 21

Inflow Area = 2.400 ac, 0.00% Impervious, Inflow Depth > 3.26" for 100-yr event
Inflow = 9.45 cfs @ 12.10 hrs, Volume= 0.651 af
Outflow = 0.39 cfs @ 14.26 hrs, Volume= 0.401 af, Atten= 96%, Lag= 129.8 min
Discarded = 0.39 cfs @ 14.26 hrs, Volume= 0.401 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.78' @ 14.26 hrs Surf.Area= 0.694 ac Storage= 0.394 af

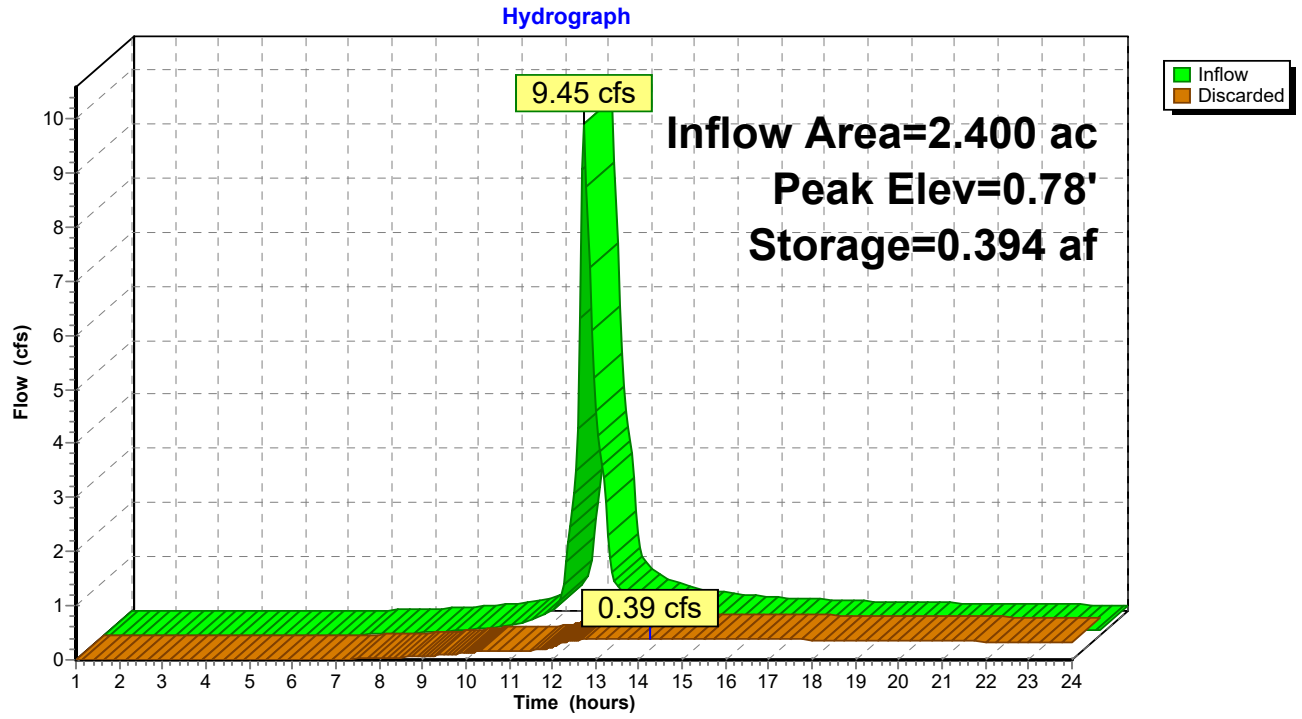
Plug-Flow detention time= 312.1 min calculated for 0.401 af (62% of inflow)
Center-of-Mass det. time= 215.6 min (1,025.3 - 809.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.560 af	**4.00'W x 3,480.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.39 cfs @ 14.26 hrs HW=0.78' (Free Discharge)
1=Exfiltration (Controls 0.39 cfs)

Pond 21P: Dry Swale 21



Summary for Pond 23P: Dry Swale 23

Inflow Area = 0.800 ac, 0.00% Impervious, Inflow Depth > 3.55" for 100-yr event
Inflow = 3.41 cfs @ 12.09 hrs, Volume= 0.237 af
Outflow = 0.14 cfs @ 14.24 hrs, Volume= 0.143 af, Atten= 96%, Lag= 128.5 min
Discarded = 0.14 cfs @ 14.24 hrs, Volume= 0.143 af

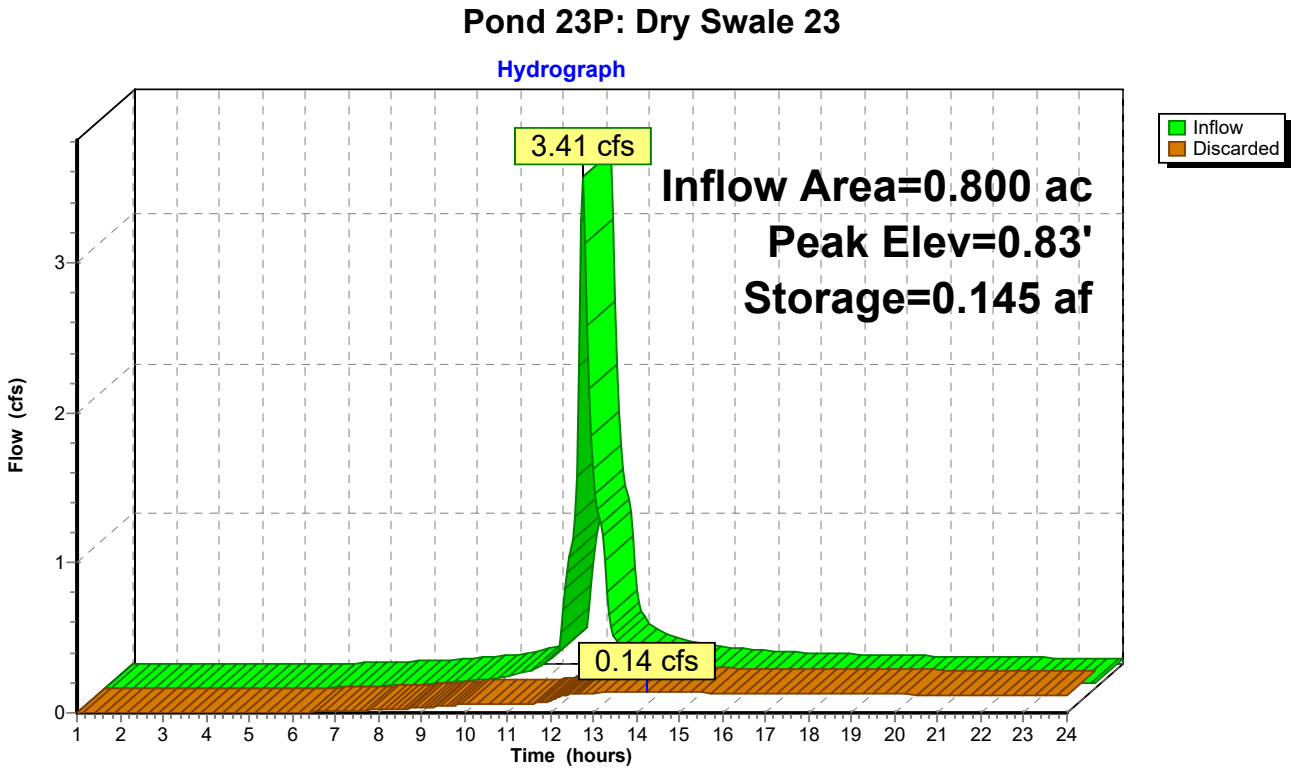
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.83' @ 14.24 hrs Surf.Area= 0.241 ac Storage= 0.145 af

Plug-Flow detention time= 308.2 min calculated for 0.143 af (60% of inflow)
Center-of-Mass det. time= 213.3 min (1,014.4 - 801.1)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.187 af	**4.00'W x 1,160.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.14 cfs @ 14.24 hrs HW=0.83' (Free Discharge)
1=Exfiltration (Controls 0.14 cfs)



Summary for Pond 24P: Dry Swale 24

Inflow Area = 1.500 ac, 0.00% Impervious, Inflow Depth > 2.52" for 100-yr event
Inflow = 4.56 cfs @ 12.10 hrs, Volume= 0.315 af
Outflow = 0.21 cfs @ 14.25 hrs, Volume= 0.209 af, Atten= 95%, Lag= 129.1 min
Discarded = 0.21 cfs @ 14.25 hrs, Volume= 0.209 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.63' @ 14.25 hrs Surf.Area= 0.387 ac Storage= 0.183 af

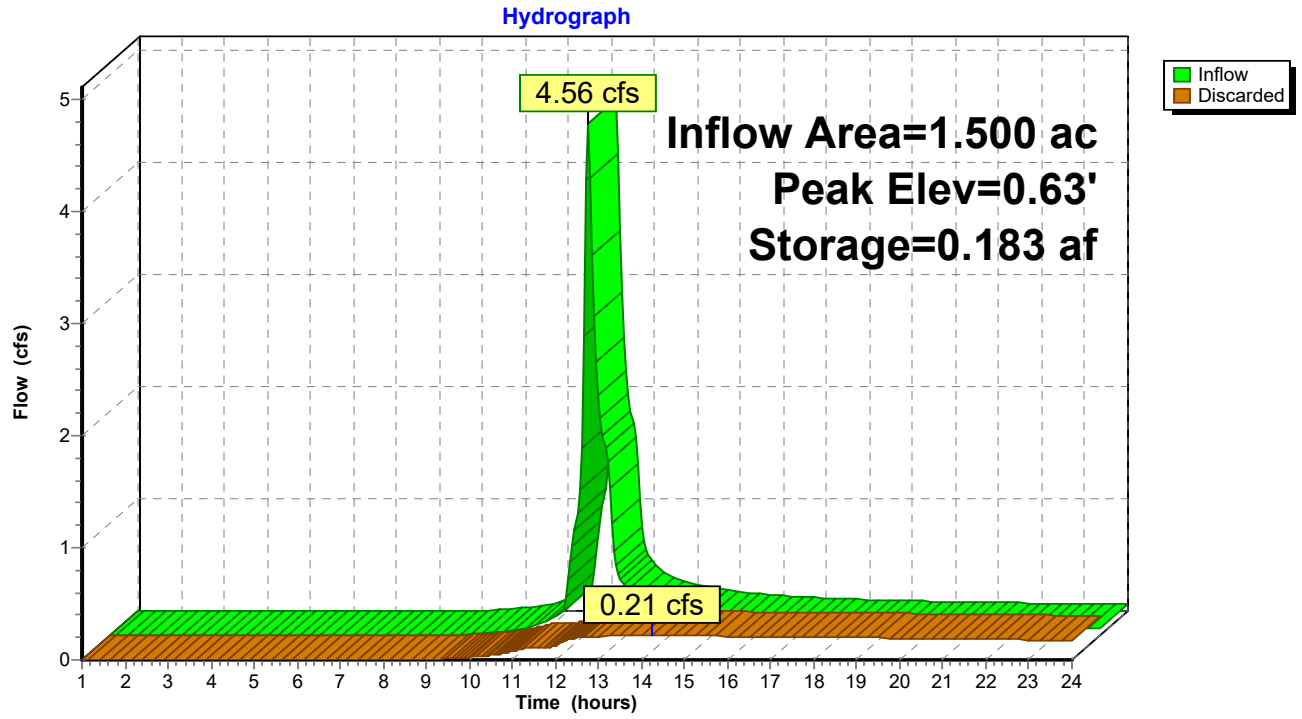
Plug-Flow detention time= 316.5 min calculated for 0.209 af (66% of inflow)
Center-of-Mass det. time= 216.6 min (1,046.3 - 829.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.349 af	**4.00'W x 2,170.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.21 cfs @ 14.25 hrs HW=0.63' (Free Discharge)
1=Exfiltration (Controls 0.21 cfs)

Pond 24P: Dry Swale 24



Summary for Pond 25P: Dry Swale 25

Inflow Area = 2.400 ac, 0.00% Impervious, Inflow Depth > 2.97" for 100-yr event
Inflow = 8.65 cfs @ 12.10 hrs, Volume= 0.594 af
Outflow = 0.37 cfs @ 14.27 hrs, Volume= 0.375 af, Atten= 96%, Lag= 130.1 min
Discarded = 0.37 cfs @ 14.27 hrs, Volume= 0.375 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.72' @ 14.27 hrs Surf.Area= 0.666 ac Storage= 0.355 af

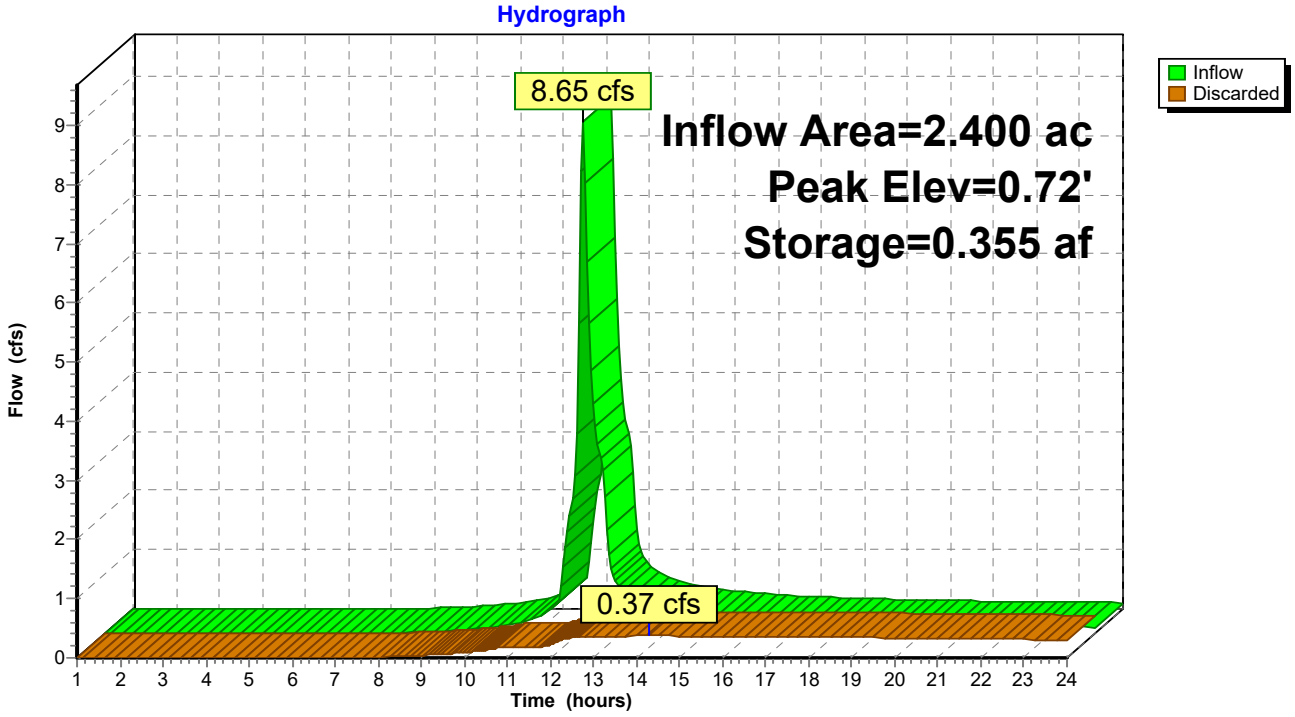
Plug-Flow detention time= 314.6 min calculated for 0.375 af (63% of inflow)
Center-of-Mass det. time= 216.8 min (1,034.3 - 817.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.560 af	**4.00'W x 3,480.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.37 cfs @ 14.27 hrs HW=0.72' (Free Discharge)
1=Exfiltration (Controls 0.37 cfs)

Pond 25P: Dry Swale 25



Summary for Pond 26P: Dry Swale 26

Inflow Area = 1.200 ac, 0.00% Impervious, Inflow Depth > 3.16" for 100-yr event
Inflow = 4.59 cfs @ 12.10 hrs, Volume= 0.316 af
Outflow = 0.19 cfs @ 14.26 hrs, Volume= 0.196 af, Atten= 96%, Lag= 129.8 min
Discarded = 0.19 cfs @ 14.26 hrs, Volume= 0.196 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.76' @ 14.26 hrs Surf.Area= 0.343 ac Storage= 0.191 af

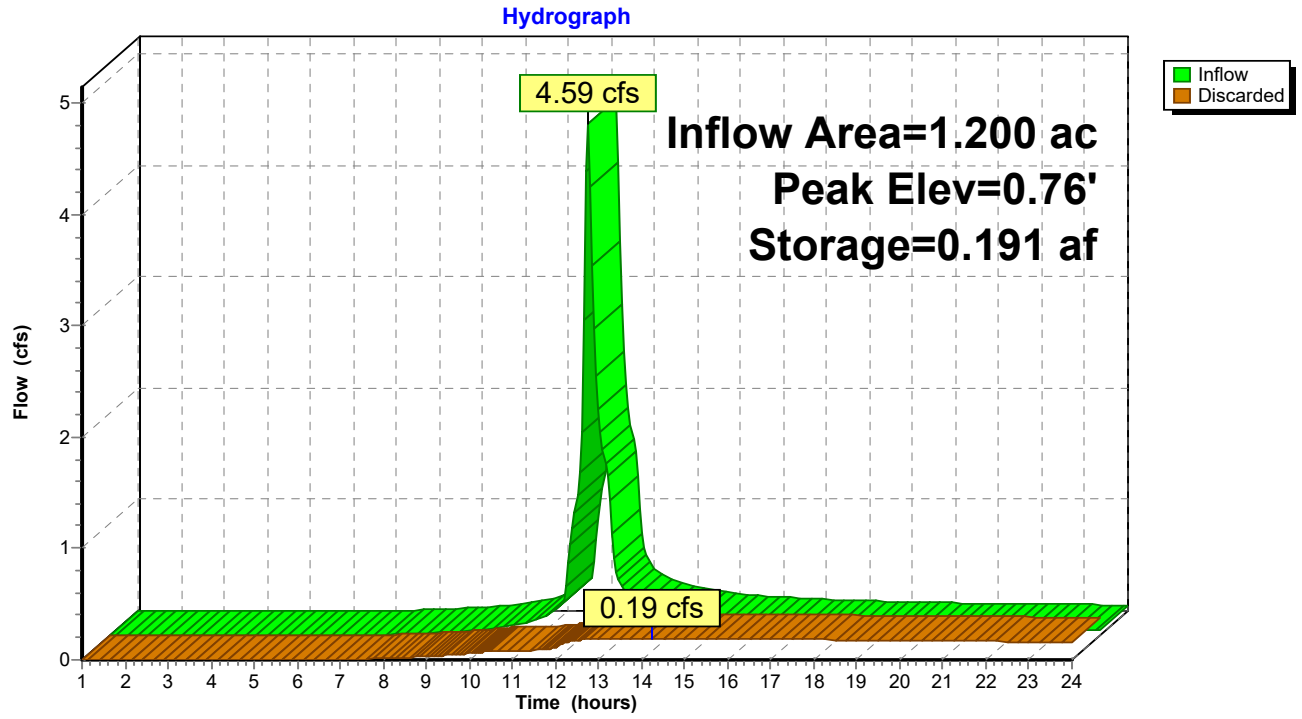
Plug-Flow detention time= 313.0 min calculated for 0.196 af (62% of inflow)
Center-of-Mass det. time= 216.1 min (1,028.5 - 812.4)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.280 af	**4.00'W x 1,740.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.19 cfs @ 14.26 hrs HW=0.76' (Free Discharge)
1=Exfiltration (Controls 0.19 cfs)

Pond 26P: Dry Swale 26



Summary for Pond 27P: Dry Swale 27

Inflow Area = 1.000 ac, 0.00% Impervious, Inflow Depth > 3.35" for 100-yr event
Inflow = 4.05 cfs @ 12.10 hrs, Volume= 0.279 af
Outflow = 0.16 cfs @ 14.25 hrs, Volume= 0.171 af, Atten= 96%, Lag= 129.3 min
Discarded = 0.16 cfs @ 14.25 hrs, Volume= 0.171 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.80' @ 14.25 hrs Surf.Area= 0.293 ac Storage= 0.170 af

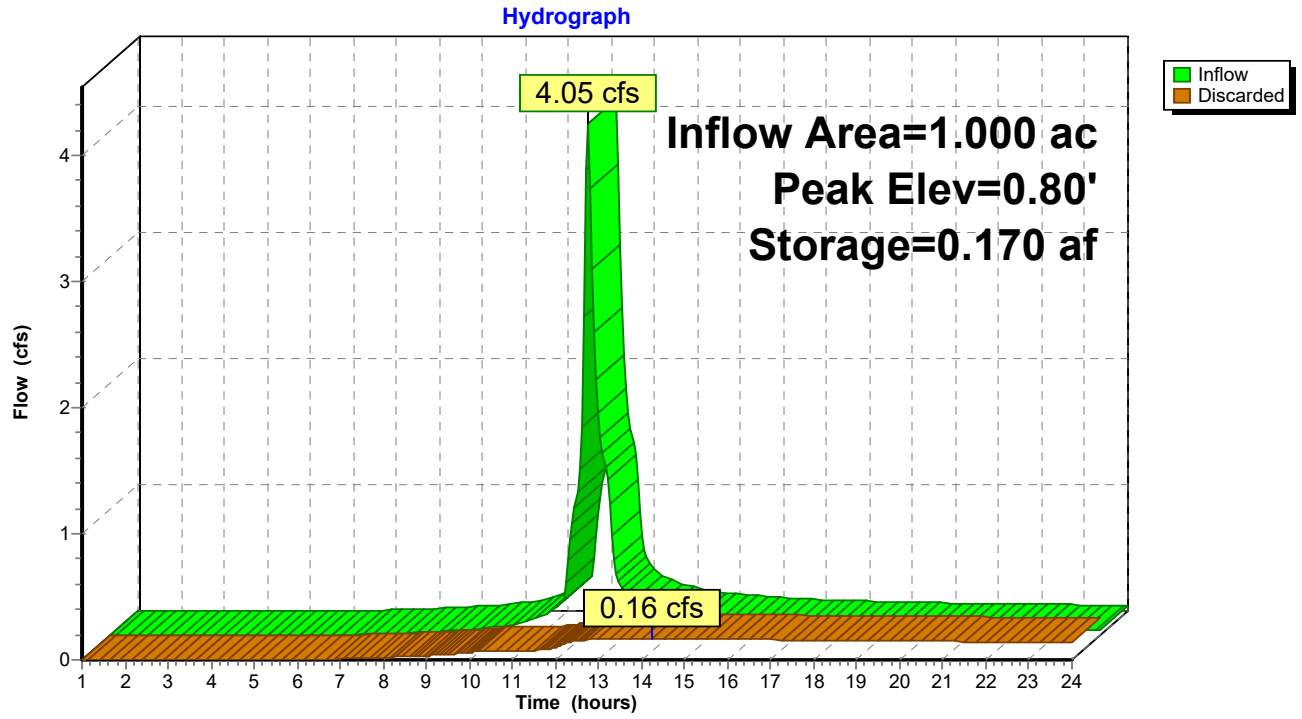
Plug-Flow detention time= 311.2 min calculated for 0.171 af (61% of inflow)
Center-of-Mass det. time= 215.0 min (1,021.9 - 806.9)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.234 af	**4.00'W x 1,450.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.16 cfs @ 14.25 hrs HW=0.80' (Free Discharge)
1=Exfiltration (Controls 0.16 cfs)

Pond 27P: Dry Swale 27



Summary for Pond 28P: Dry Swale 28

Inflow Area = 0.900 ac, 0.00% Impervious, Inflow Depth > 3.26" for 100-yr event
Inflow = 3.55 cfs @ 12.10 hrs, Volume= 0.244 af
Outflow = 0.15 cfs @ 14.26 hrs, Volume= 0.150 af, Atten= 96%, Lag= 129.9 min
Discarded = 0.15 cfs @ 14.26 hrs, Volume= 0.150 af

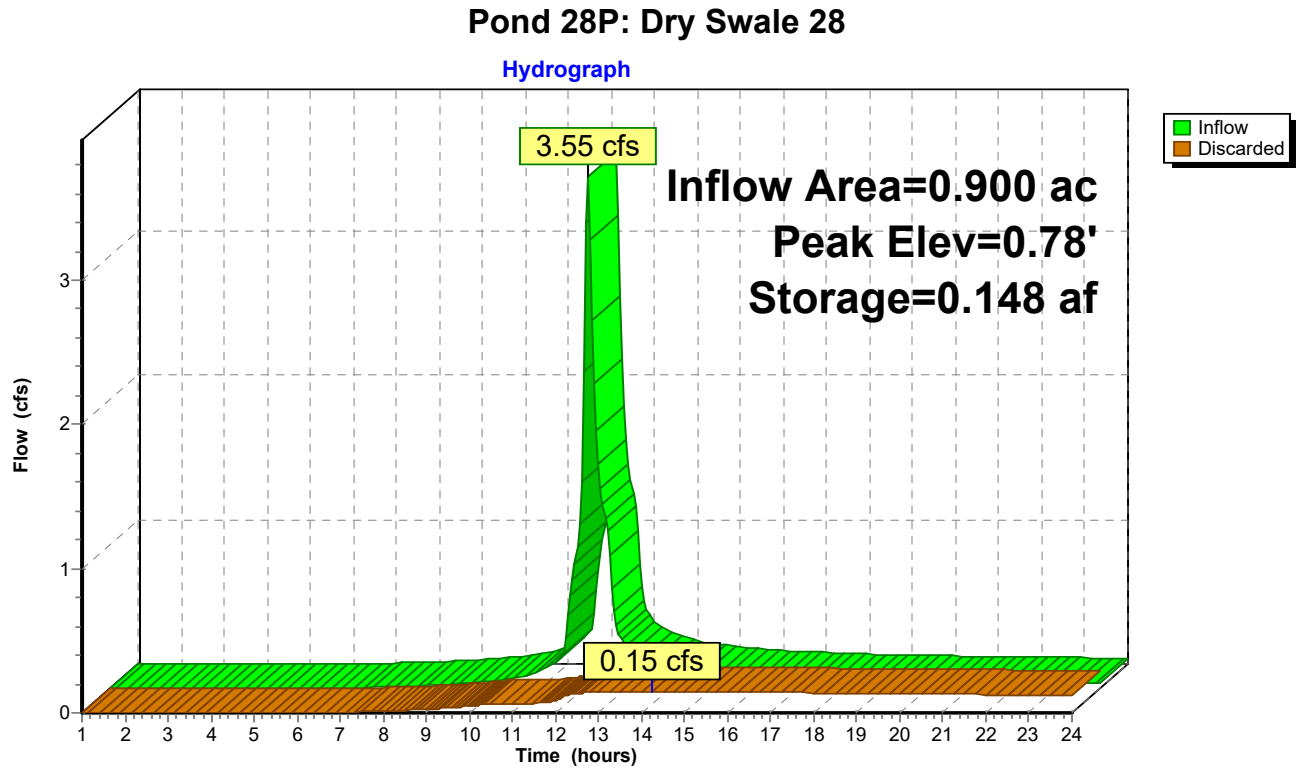
Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.78' @ 14.26 hrs Surf.Area= 0.260 ac Storage= 0.148 af

Plug-Flow detention time= 311.4 min calculated for 0.150 af (61% of inflow)
Center-of-Mass det. time= 215.6 min (1,025.3 - 809.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	0.209 af	**4.00'W x 1,300.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.15 cfs @ 14.26 hrs HW=0.78' (Free Discharge)
1=Exfiltration (Controls 0.15 cfs)



Summary for Pond 29P: Dry Swale 29

Inflow Area = 5.800 ac, 0.00% Impervious, Inflow Depth > 2.61" for 100-yr event
Inflow = 18.27 cfs @ 12.10 hrs, Volume= 1.261 af
Outflow = 0.84 cfs @ 14.25 hrs, Volume= 0.829 af, Atten= 95%, Lag= 128.9 min
Discarded = 0.84 cfs @ 14.25 hrs, Volume= 0.829 af

Routing by Stor-Ind method, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs
Peak Elev= 0.64' @ 14.25 hrs Surf.Area= 1.524 ac Storage= 0.738 af

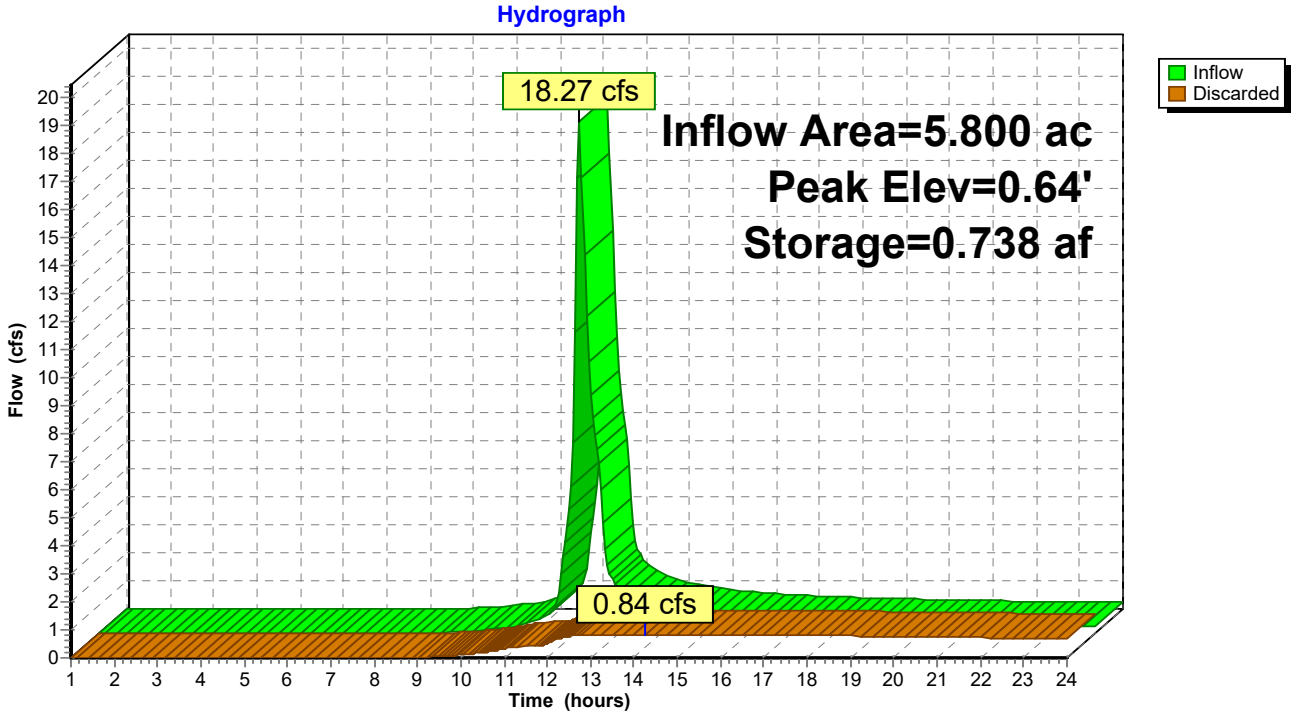
Plug-Flow detention time= 315.4 min calculated for 0.828 af (66% of inflow)
Center-of-Mass det. time= 216.8 min (1,044.1 - 827.3)

Volume	Invert	Avail.Storage	Storage Description
#1	0.00'	1.360 af	**4.00'W x 8,460.00'L x 1.00'H Prismatoid Z=3.0**

Device	Routing	Invert	Outlet Devices
#1	Discarded	0.00'	**0.500 in/hr Exfiltration over Surface area** Conductivity to Groundwater Elevation = -5.00'

Discarded OutFlow Max=0.84 cfs @ 14.25 hrs HW=0.64' (Free Discharge)
1=Exfiltration (Controls 0.84 cfs)

Pond 29P: Dry Swale 29

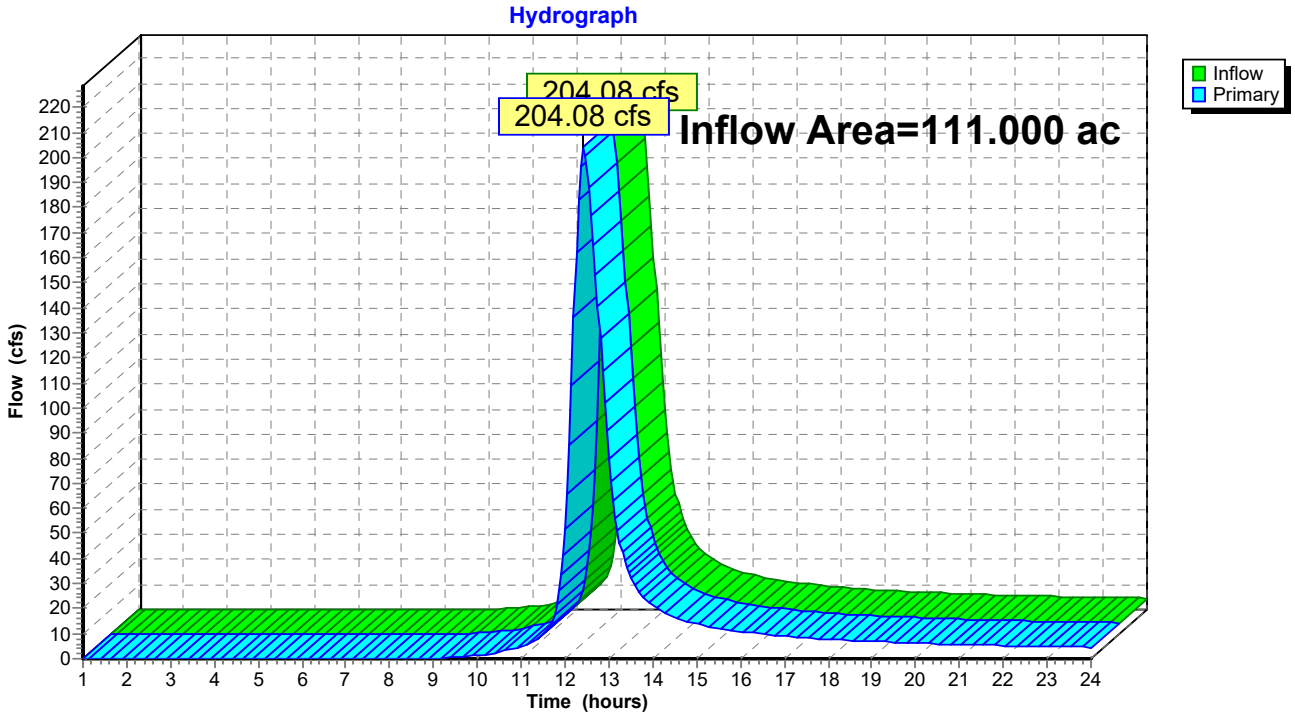


Summary for Link 16L: P

Inflow Area = 111.000 ac, 0.00% Impervious, Inflow Depth > 2.51" for 100-yr event
Inflow = 204.08 cfs @ 12.42 hrs, Volume= 23.202 af
Primary = 204.08 cfs @ 12.42 hrs, Volume= 23.202 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 16L: P

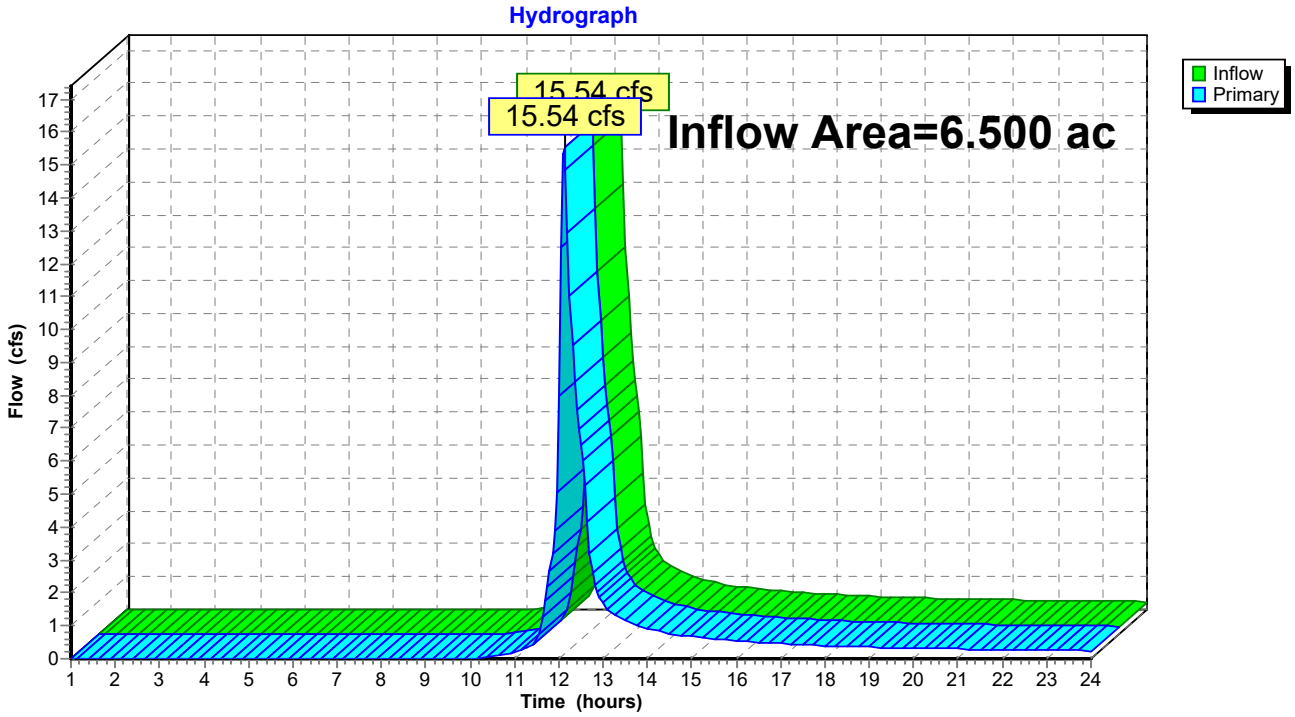


Summary for Link 17L: Q

Inflow Area = 6.500 ac, 0.00% Impervious, Inflow Depth > 2.10" for 100-yr event
Inflow = 15.54 cfs @ 12.12 hrs, Volume= 1.139 af
Primary = 15.54 cfs @ 12.12 hrs, Volume= 1.139 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 17L: Q

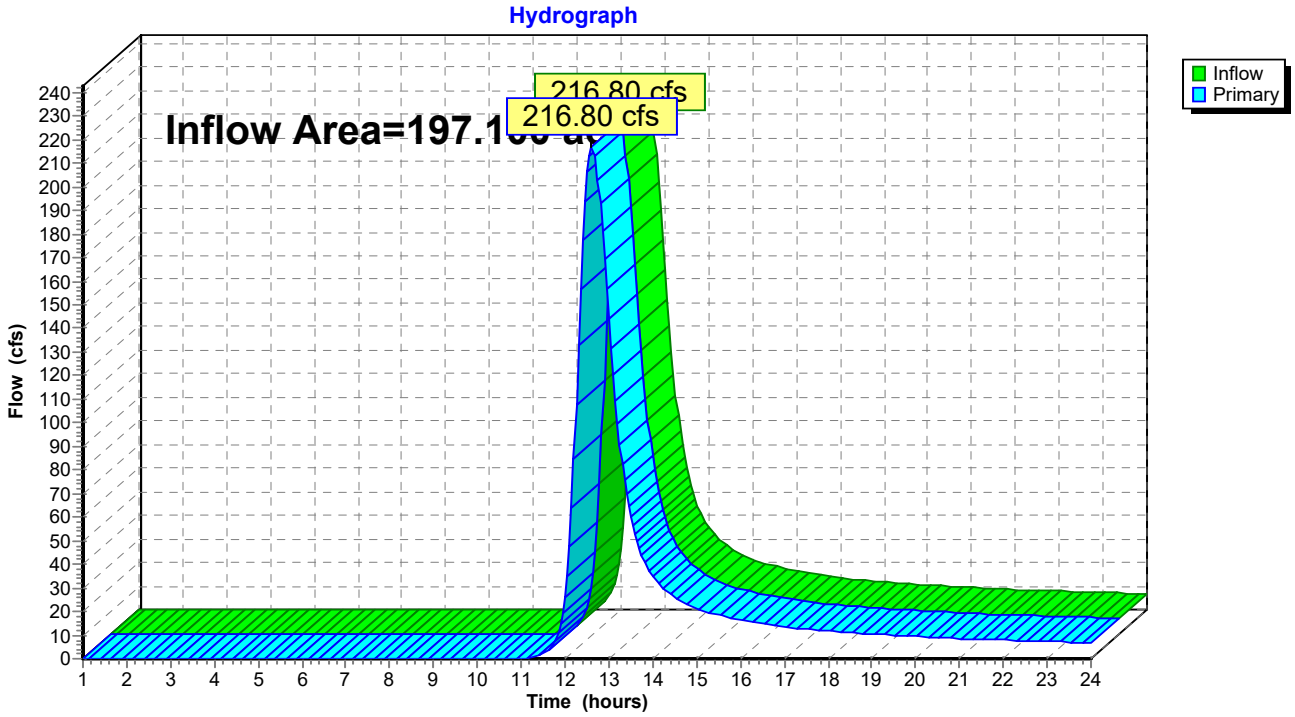


Summary for Link 18L: R

Inflow Area = 197.100 ac, 0.00% Impervious, Inflow Depth > 1.77" for 100-yr event
Inflow = 216.80 cfs @ 12.61 hrs, Volume= 29.150 af
Primary = 216.80 cfs @ 12.61 hrs, Volume= 29.150 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 18L: R

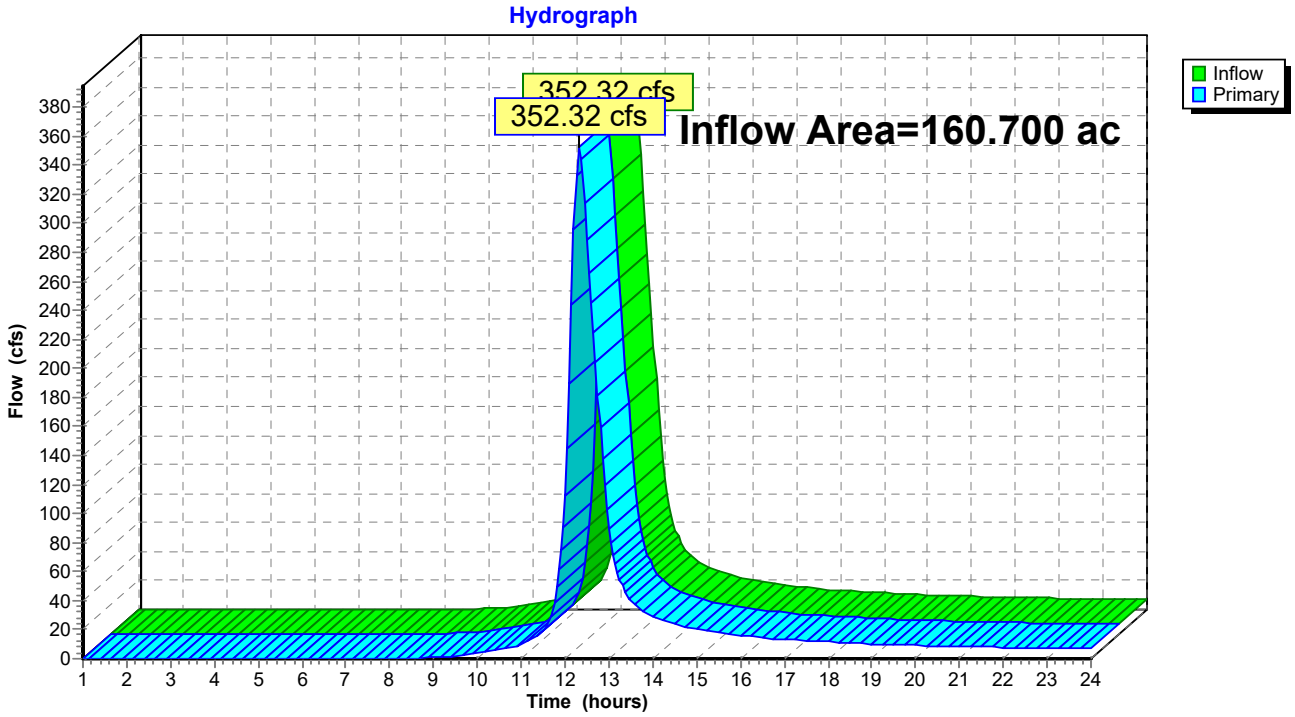


Summary for Link 19L: S

Inflow Area = 160.700 ac, 0.00% Impervious, Inflow Depth > 2.69" for 100-yr event
Inflow = 352.32 cfs @ 12.33 hrs, Volume= 35.995 af
Primary = 352.32 cfs @ 12.33 hrs, Volume= 35.995 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 19L: S

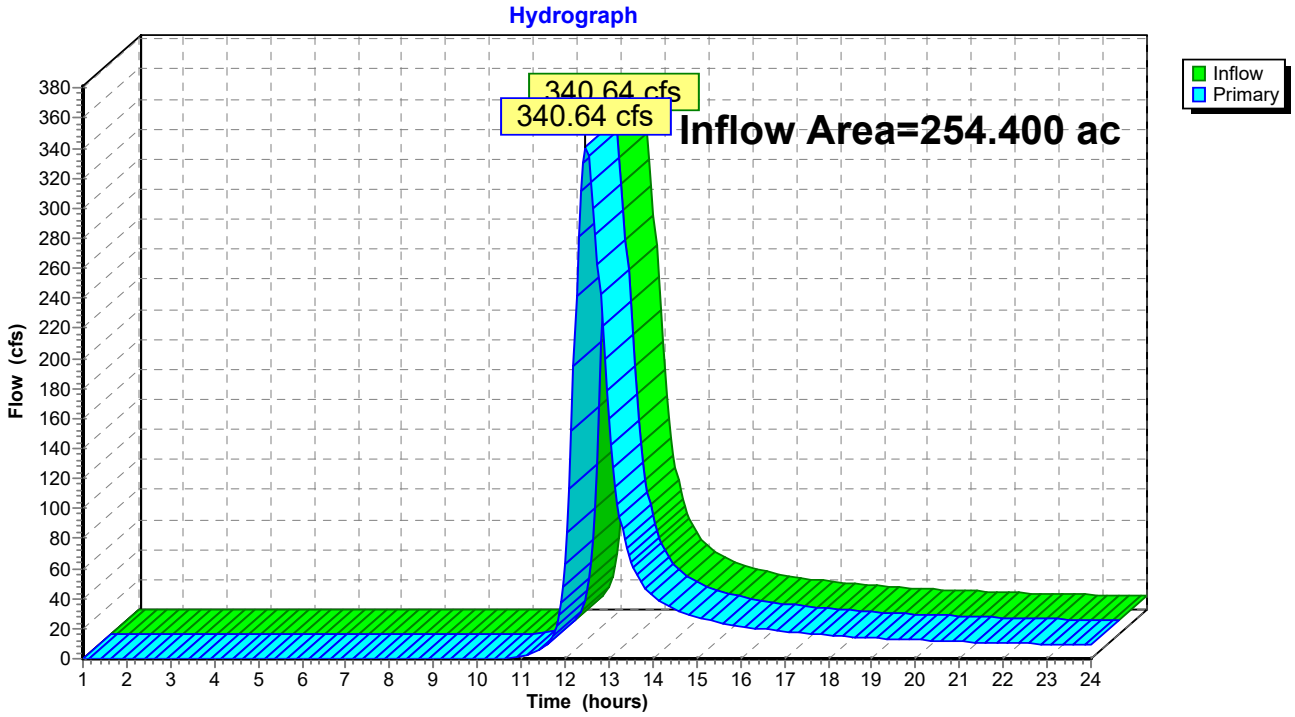


Summary for Link 20L: T

Inflow Area = 254.400 ac, 0.00% Impervious, Inflow Depth > 1.93" for 100-yr event
Inflow = 340.64 cfs @ 12.47 hrs, Volume= 40.966 af
Primary = 340.64 cfs @ 12.47 hrs, Volume= 40.966 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 20L: T

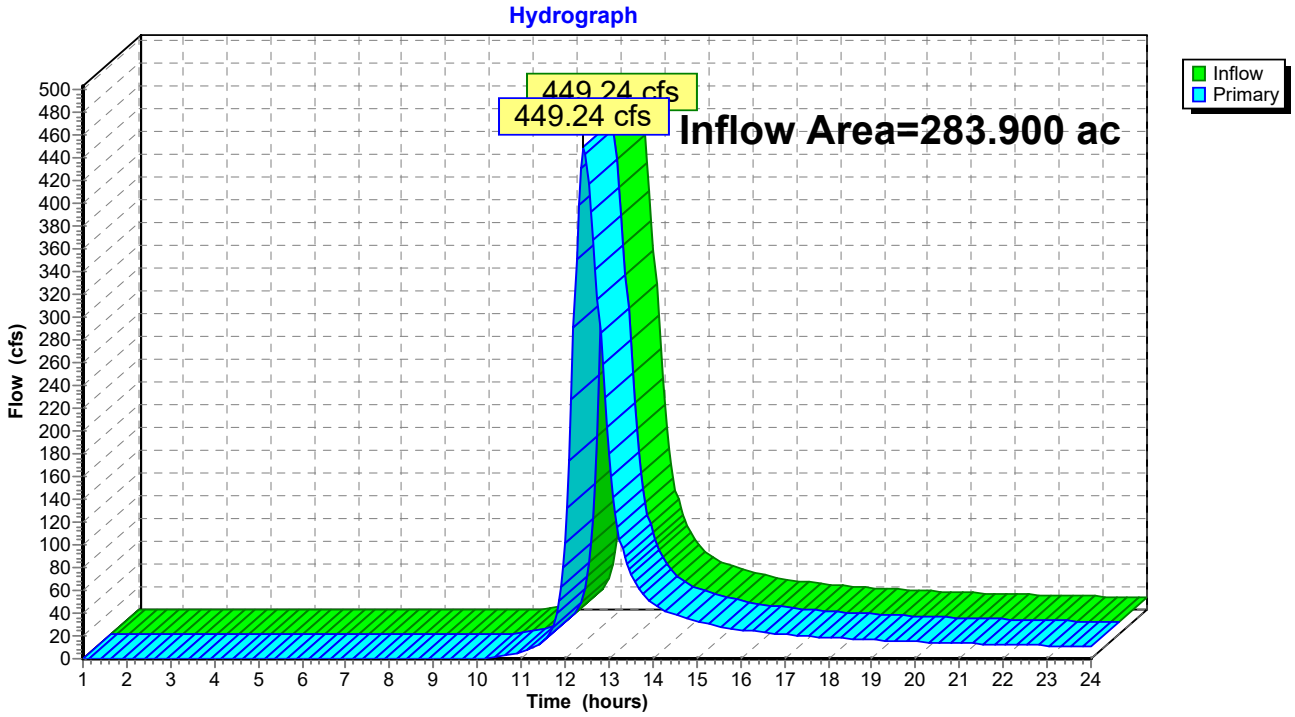


Summary for Link 21L: U

Inflow Area = 283.900 ac, 0.00% Impervious, Inflow Depth > 2.17" for 100-yr event
Inflow = 449.24 cfs @ 12.43 hrs, Volume= 51.403 af
Primary = 449.24 cfs @ 12.43 hrs, Volume= 51.403 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 21L: U

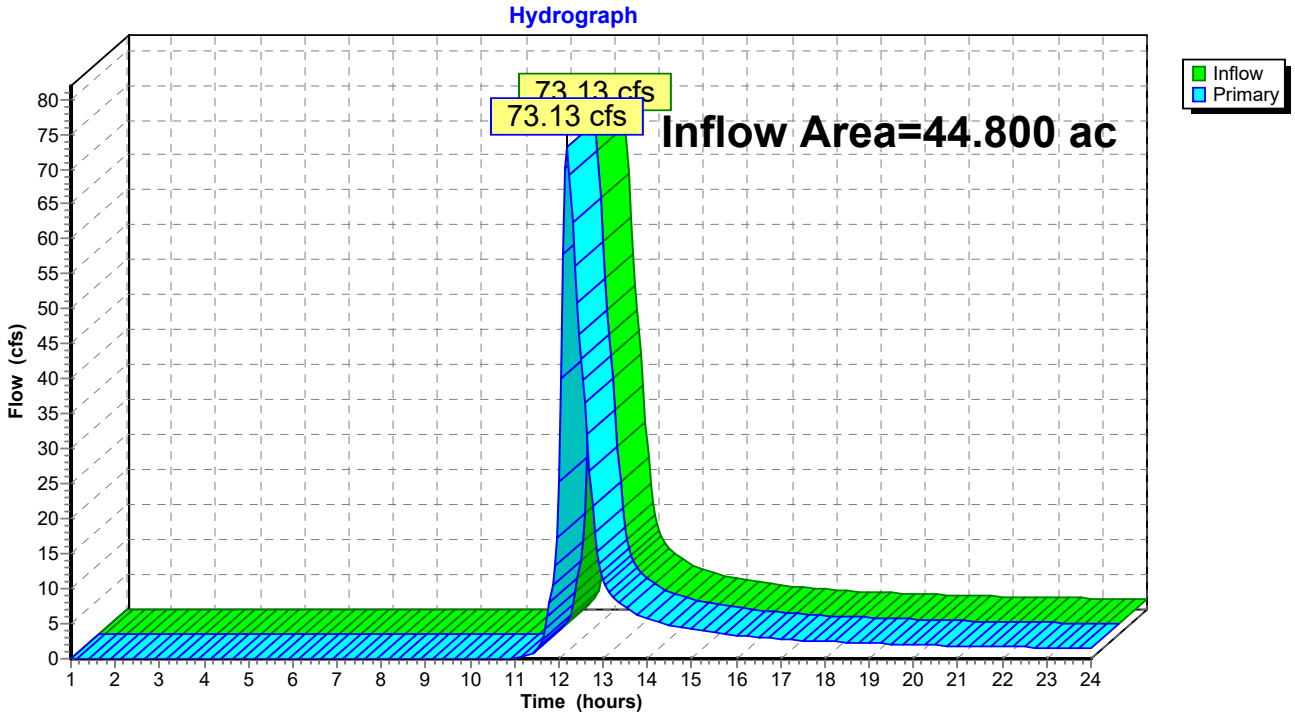


Summary for Link 22L: V

Inflow Area = 44.800 ac, 0.00% Impervious, Inflow Depth > 1.71" for 100-yr event
Inflow = 73.13 cfs @ 12.20 hrs, Volume= 6.398 af
Primary = 73.13 cfs @ 12.20 hrs, Volume= 6.398 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 22L: V

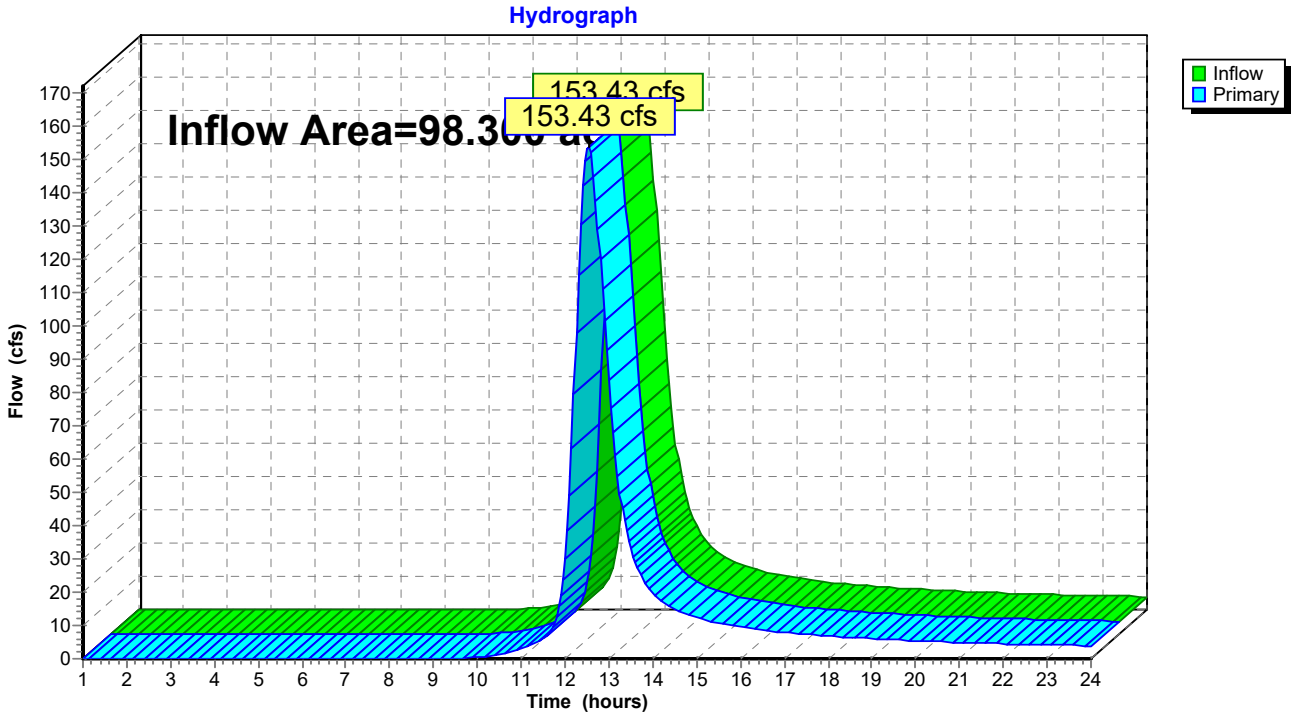


Summary for Link 23L: W

Inflow Area = 98.300 ac, 0.00% Impervious, Inflow Depth > 2.33" for 100-yr event
Inflow = 153.43 cfs @ 12.53 hrs, Volume= 19.120 af
Primary = 153.43 cfs @ 12.53 hrs, Volume= 19.120 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 23L: W

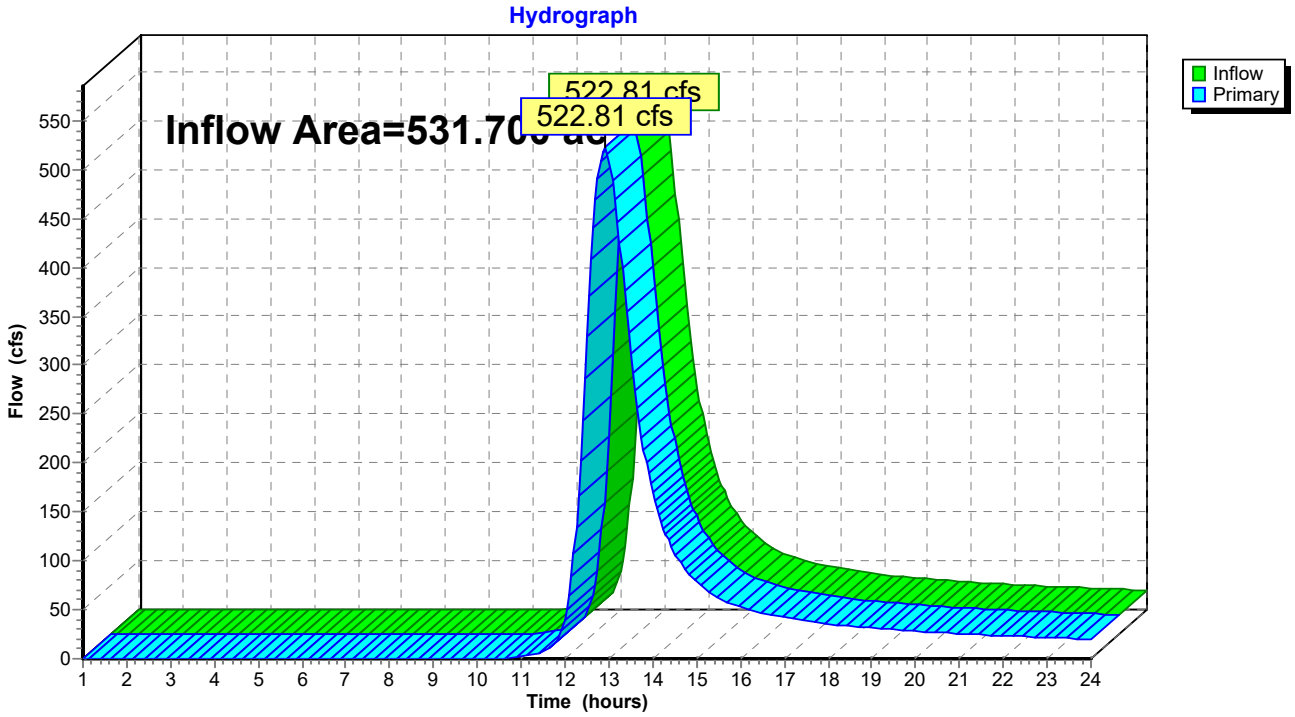


Summary for Link 24L: X

Inflow Area = 531.700 ac, 0.00% Impervious, Inflow Depth > 1.99" for 100-yr event
Inflow = 522.81 cfs @ 12.92 hrs, Volume= 88.285 af
Primary = 522.81 cfs @ 12.92 hrs, Volume= 88.285 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 24L: X

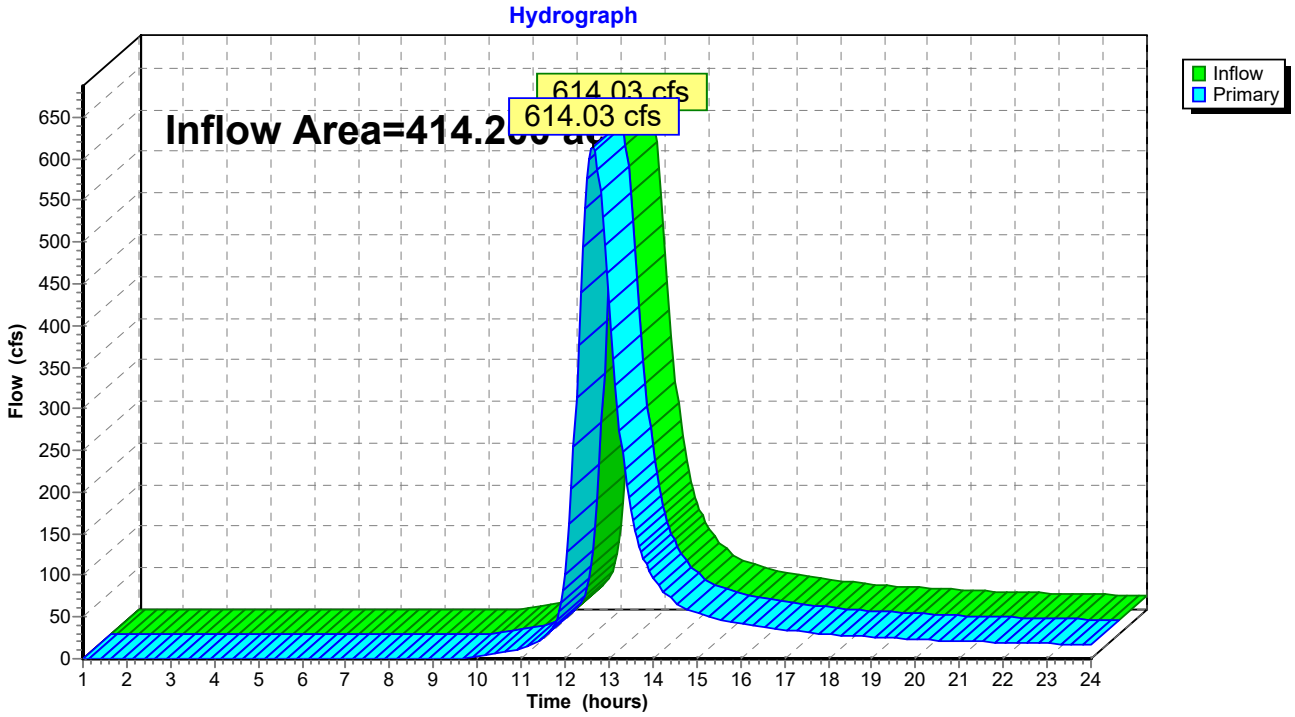


Summary for Link 25L: Y

Inflow Area = 414.200 ac, 0.00% Impervious, Inflow Depth > 2.41" for 100-yr event
Inflow = 614.03 cfs @ 12.63 hrs, Volume= 83.324 af
Primary = 614.03 cfs @ 12.63 hrs, Volume= 83.324 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 25L: Y

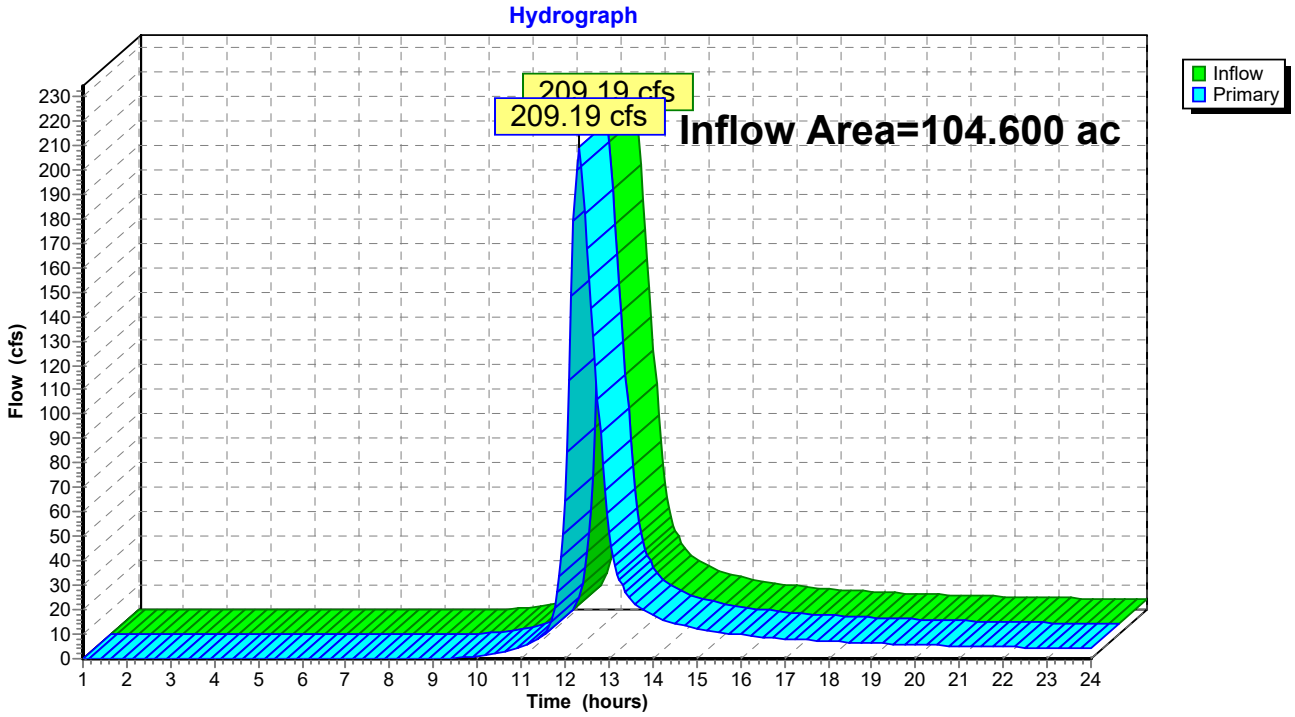


Summary for Link 26L: Z

Inflow Area = 104.600 ac, 0.00% Impervious, Inflow Depth > 2.43" for 100-yr event
Inflow = 209.19 cfs @ 12.32 hrs, Volume= 21.156 af
Primary = 209.19 cfs @ 12.32 hrs, Volume= 21.156 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 26L: Z

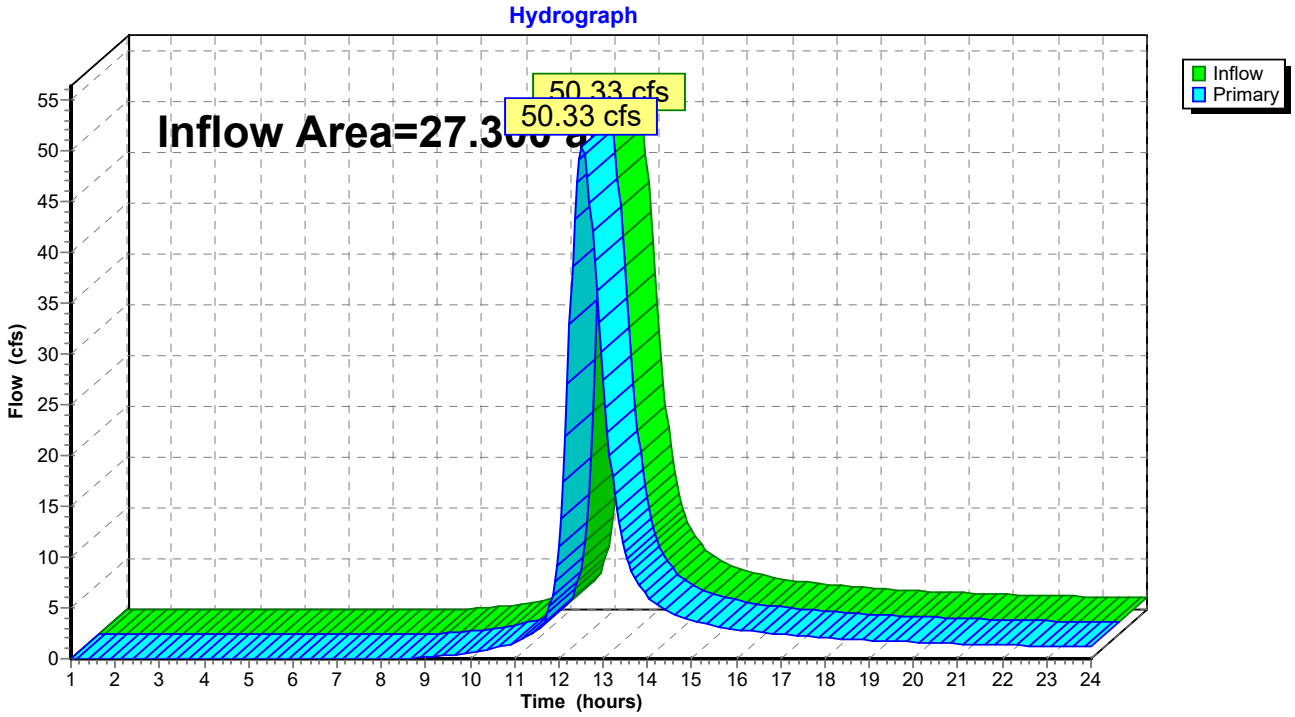


Summary for Link 27L: AA

Inflow Area = 27.300 ac, 0.00% Impervious, Inflow Depth > 2.77" for 100-yr event
Inflow = 50.33 cfs @ 12.52 hrs, Volume= 6.298 af
Primary = 50.33 cfs @ 12.52 hrs, Volume= 6.298 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 27L: AA

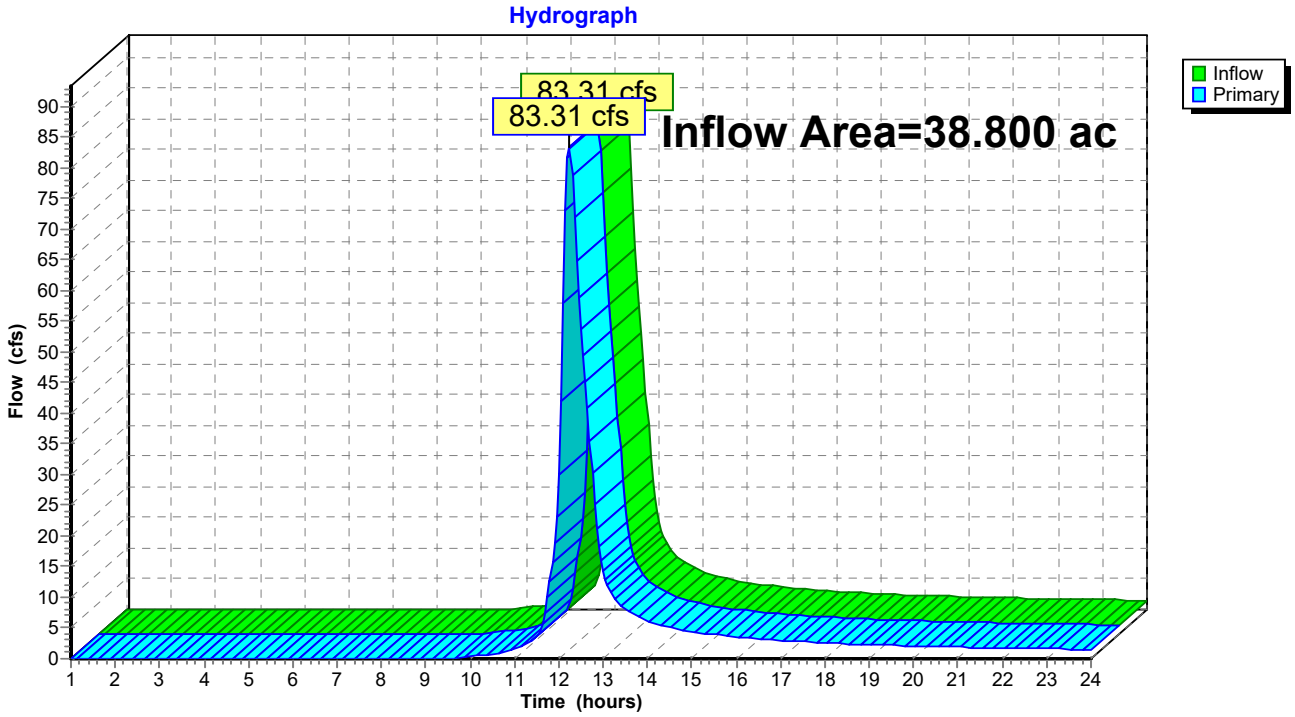


Summary for Link 28L: BB

Inflow Area = 38.800 ac, 0.00% Impervious, Inflow Depth > 2.35" for 100-yr event
Inflow = 83.31 cfs @ 12.24 hrs, Volume= 7.584 af
Primary = 83.31 cfs @ 12.24 hrs, Volume= 7.584 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 28L: BB

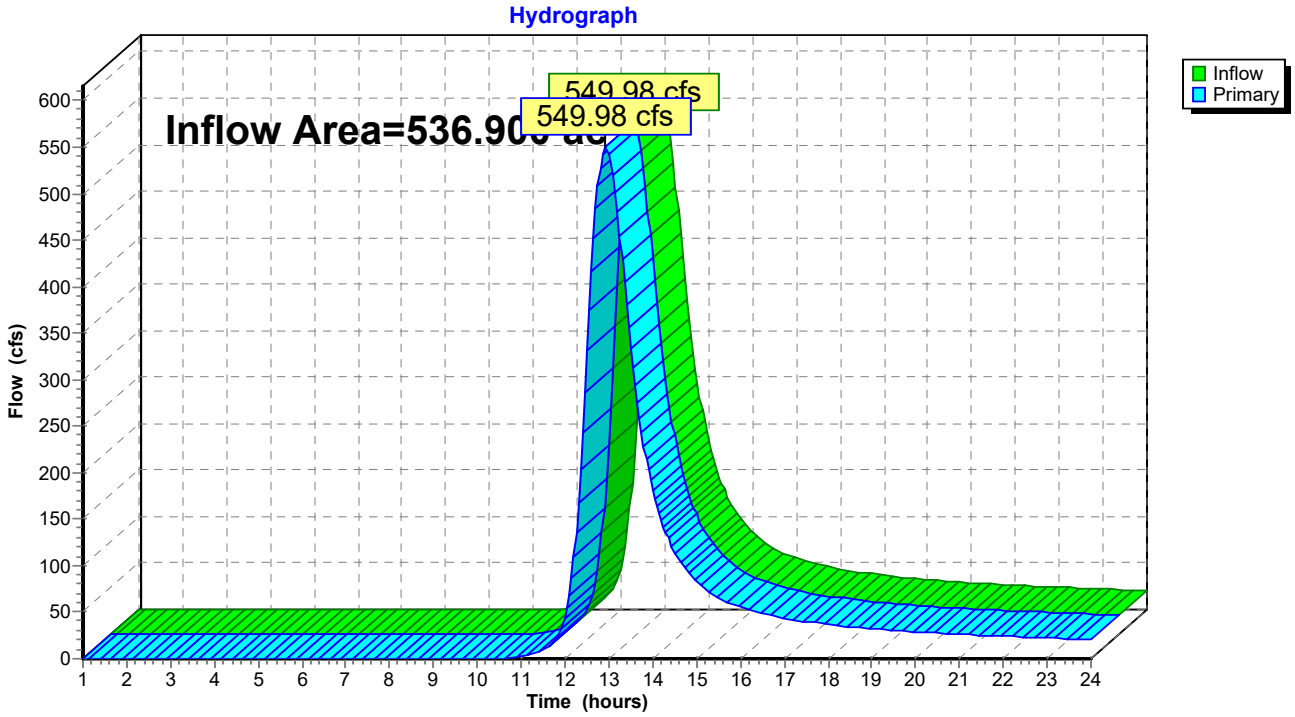


Summary for Link 29L: CC

Inflow Area = 536.900 ac, 0.00% Impervious, Inflow Depth > 2.07" for 100-yr event
Inflow = 549.98 cfs @ 12.93 hrs, Volume= 92.667 af
Primary = 549.98 cfs @ 12.93 hrs, Volume= 92.667 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 29L: CC

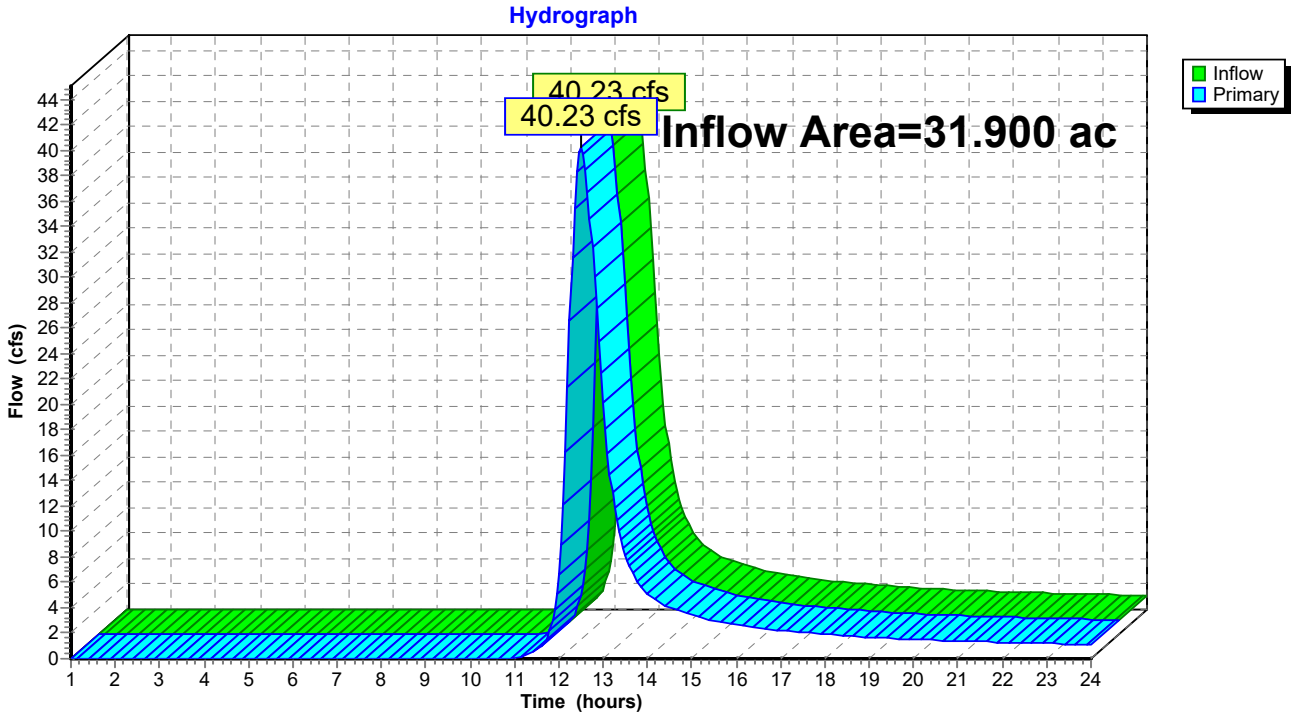


Summary for Link 30L: DD

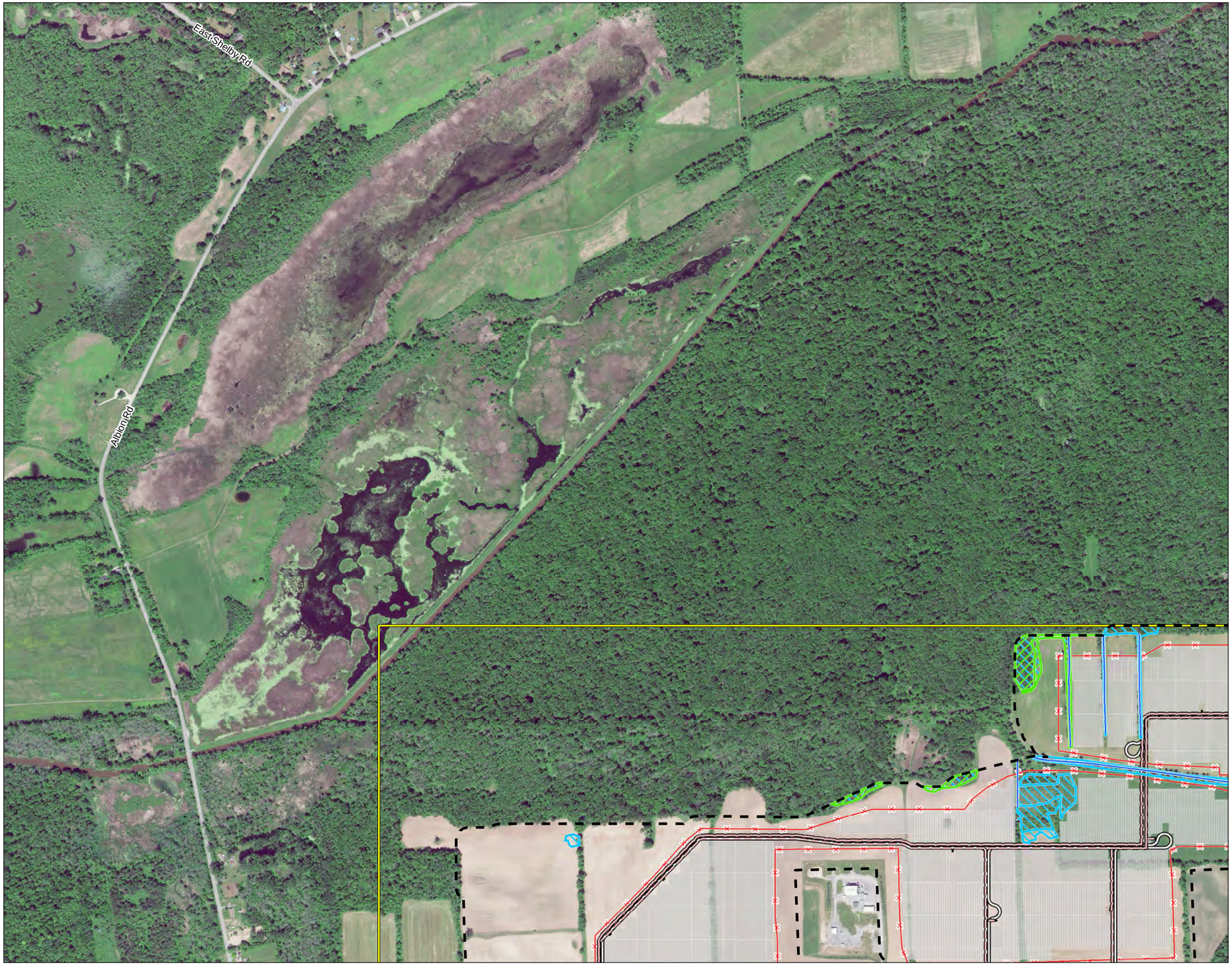
Inflow Area = 31.900 ac, 0.00% Impervious, Inflow Depth > 1.85" for 100-yr event
Inflow = 40.23 cfs @ 12.50 hrs, Volume= 4.930 af
Primary = 40.23 cfs @ 12.50 hrs, Volume= 4.930 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 1.00-24.00 hrs, dt= 0.05 hrs

Link 30L: DD



Appendix K Wetland Exhibits



Stantec

Legend

- Project Area
- Study Area

Proposed Layout

- Substation
- Array
- UG Collection Line
- Fence
- Roads
- Inverter

Delineated Features

- Culvert
- Delineated Stream - Linear
- Delineated Stream - Area
- Delineated Wetland - State Jurisdiction
- Delineated Wetland - Federal Jurisdiction

Existing Features

- Watershed Boundary (HUC 12)
- Municipal Boundary

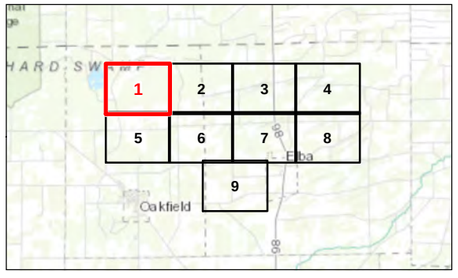
N

0 800 1,600 Feet

(At original document size of 11x17)
1:9,600

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Data Sources: NYS GIS Clearinghouse (https://gis.ny.gov), USDA NRCS (http://www.ncgc.nrcs.usda.gov/)
3. Background: WorldView-3 satellite imagery purchased on June 6, 2020



Project Location
Town of Oakfield
Genesee County, NY

Prepared by AS on 2021-03-24
TR by EE on 2021-03-25
IR by AS on 2021-03-25

Client/Project
190502038 REVB

Hecate Energy Cider Solar LLC
Cider Solar Farm

Figure No.
14-1

Title
Delineated Aquatic Resources within Project Area
Map 1 of 9

U:\190502038\03_data\gis\mxd\ApplicationExhibit1-4\Fig_14-1_Delineated_Aquatic_Resources_within_Project_Area_CSF.mxd Revised: 2021-03-26 By: astapleton

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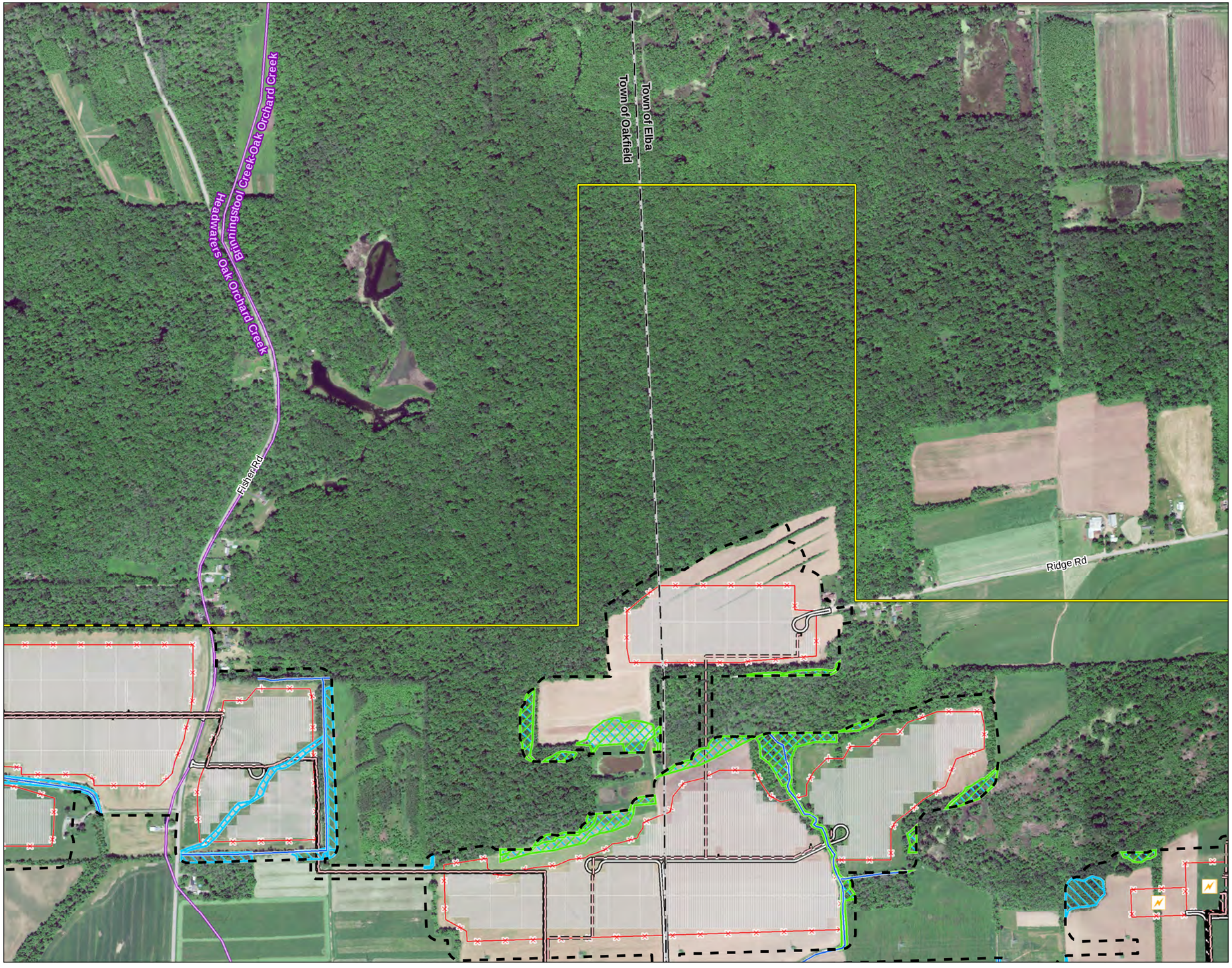


Stantec

Legend

- Project Area
- Study Area

Proposed Layout

- Substation
- Array
- UG Collection Line
- Fence
- Roads
- Inverter

Delineated Features

- Culvert
- Delineated Stream - Linear
- Delineated Stream - Area
- Delineated Wetland - State Jurisdiction
- Delineated Wetland - Federal Jurisdiction

Existing Features

- Watershed Boundary (HUC 12)
- Municipal Boundary

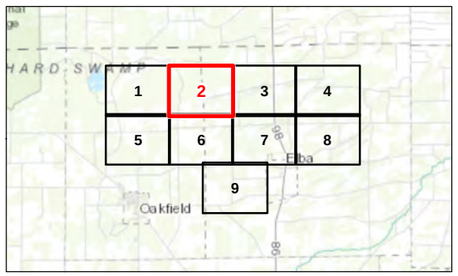
N

0 800 1,600 Feet

(At original document size of 11x17)
1:9,600

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Data Sources: NYS GIS Clearinghouse (https://gis.ny.gov), USDA NRCS (http://www.ncgc.nrcs.usda.gov/)
3. Background: WorldView-3 satellite imagery purchased on June 6, 2020



Project Location
Towns of Oakfield and Elba
Genesee County, NY

Prepared by AS on 2021-03-24
TR by EE on 2021-03-25
IR by AS on 2021-03-25

Client/Project
190502038 REVB

Hecate Energy Cider Solar LLC
Cider Solar Farm

Figure No.
14-1

Title
Delineated Aquatic Resources within Project Area
Map 2 of 9

U:\190502038\03_data\gis\mxd\Application\Exhibit14\Fig_14-1_Delineated_Aquatic_Resources_within_Project_Area_CSF.mxd Revised: 2021-03-26 By: astapleton

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Stantec

Legend

- Project Area
- Study Area

Proposed Layout

- Substation
- Array
- UG Collection Line
- Fence
- Roads
- Inverter

Delineated Features

- Culvert
- Delineated Stream - Linear
- Delineated Stream - Area
- Delineated Wetland - State Jurisdiction
- Delineated Wetland - Federal Jurisdiction

Existing Features

- Watershed Boundary (HUC 12)
- Municipal Boundary

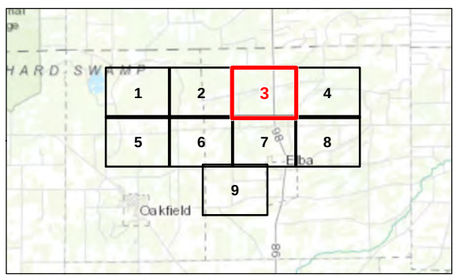
N

0 800 1,600 Feet

(At original document size of 11x17)
1:9,600

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Data Sources: NYS GIS Clearinghouse (https://gis.ny.gov), USDA NRCS (http://www.ncgc.nrcs.usda.gov/)
3. Background: WorldView-3 satellite imagery purchased on June 6, 2020



Project Location
Town of Elba
Genesee County, NY

Prepared by AS on 2021-03-24
TR by EE on 2021-03-25
IR by AS on 2021-03-25

Client/Project
190502038 REVB

Hecate Energy Cider Solar LLC
Cider Solar Farm

Figure No.
14-1

Title
Delineated Aquatic Resources within Project Area
Map 3 of 9

U:\190502038\03_data\gis\mxd\Application\Exhibit 4\Fig_14-1_Delineated_Aquatic_Resrouces_within_Project_Area_CSF.mxd Revised: 2021-03-26 By: astapleton

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Stantec

Legend

- Project Area
- Study Area

Proposed Layout

- Substation
- Array
- UG Collection Line
- Fence
- Roads
- Inverter

Delineated Features

- Culvert
- Delineated Stream - Linear
- Delineated Stream - Area
- Delineated Wetland - State Jurisdiction
- Delineated Wetland - Federal Jurisdiction

Existing Features

- Watershed Boundary (HUC 12)
- Municipal Boundary

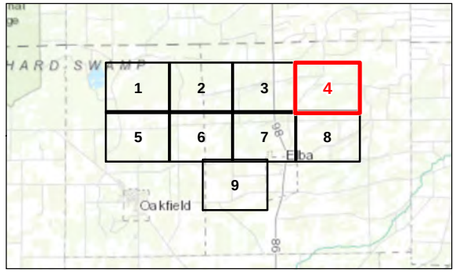
N

0 800 1,600 Feet

(At original document size of 11x17)
1:9,600

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Data Sources: NYS GIS Clearinghouse (https://gis.ny.gov), USDA NRCS (http://www.ncgc.nrcs.usda.gov/)
3. Background: WorldView-3 satellite imagery purchased on June 6, 2020



Project Location
Town of Elba
Genesee County, NY

Prepared by AS on 2021-03-24
TR by EE on 2021-03-25
IR by AS on 2021-03-25

Client/Project
190502038 REVB

Hecate Energy Cider Solar LLC
Cider Solar Farm

Figure No.
14-1

Title
Delineated Aquatic Resources within Project Area
Map 4 of 9

U:\190502038\03_data\gis\mxd\Application\Exhibit14\Fig_14-1_Delineated_Aquatic_Resrouces_within_Project_Area_CSF.mxd Revised: 2021-03-26 By: astapleton

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Stantec

Legend

- Project Area
- Study Area

Proposed Layout

- Substation
- Array
- UG Collection Line
- Fence
- Roads
- Inverter

Delineated Features

- Culvert
- Delineated Stream - Linear
- Delineated Stream - Area
- Delineated Wetland - State Jurisdiction
- Delineated Wetland - Federal Jurisdiction

Existing Features

- Watershed Boundary (HUC 12)
- Municipal Boundary

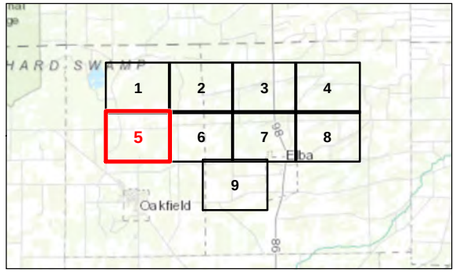
N

0 800 1,600 Feet

(At original document size of 11x17)
1:9,600

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Data Sources: NYS GIS Clearinghouse (https://gis.ny.gov), USDA NRCS (http://www.ncgc.nrcs.usda.gov/)
3. Background: WorldView-3 satellite imagery purchased on June 6, 2020



Project Location
Town of Oakfield
Genesee County, NY

Prepared by AS on 2021-03-24
TR by EE on 2021-03-25
IR by AS on 2021-03-25

Client/Project
190502038 REVB

Hecate Energy Cider Solar LLC
Cider Solar Farm

Figure No.
14-1

Title
Delineated Aquatic Resources within Project Area
Map 5 of 9

U:\190502038\03_data\gis\mxd\Application\Exhibit14\Fig_14-1_Delineated_Aquatic_Resrouces_within_Project_Area_CSF.mxd Revised: 2021-03-26 By: astapleton

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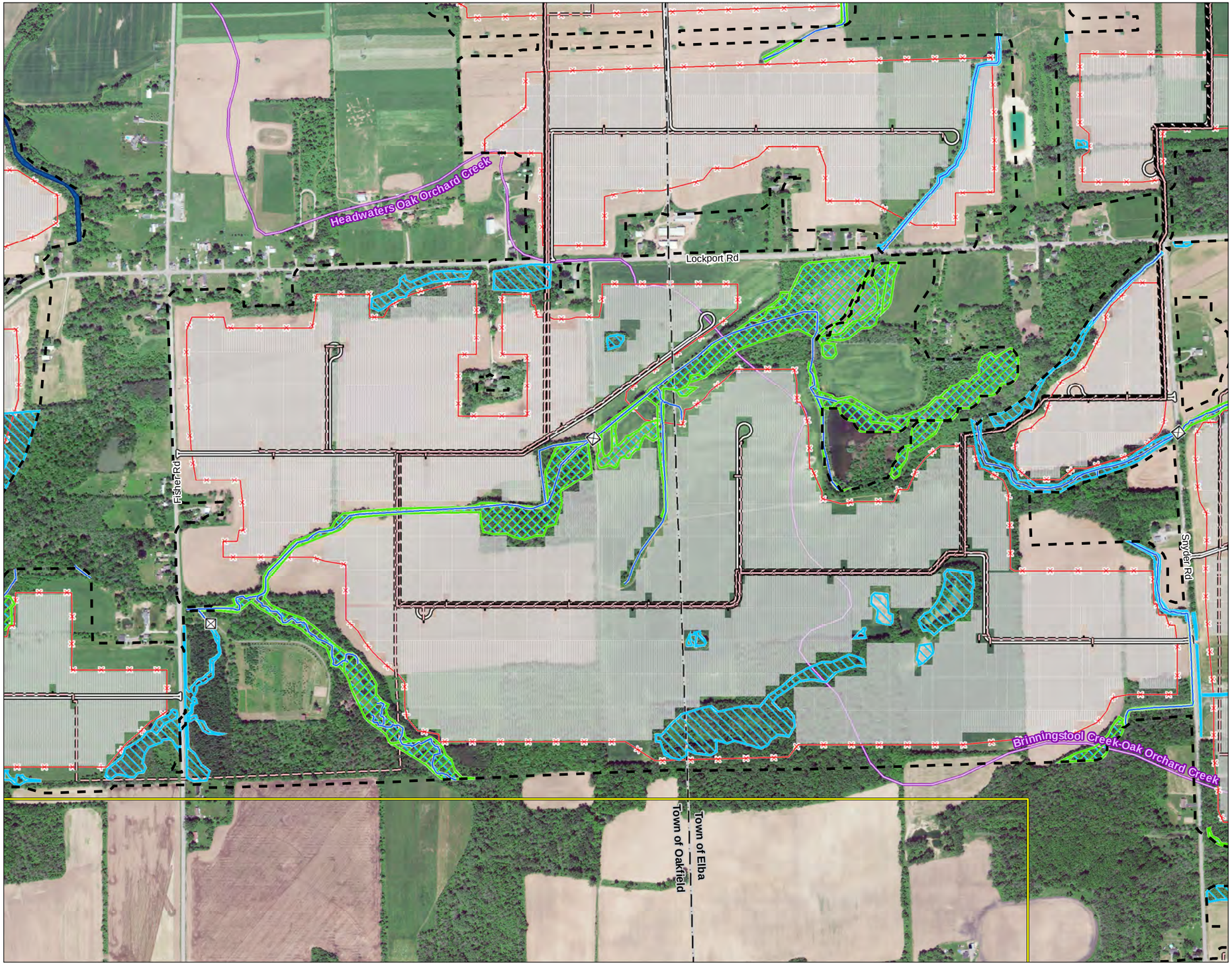


Stantec

Legend

Project Area
Study Area

Proposed Layout
Substation
Array
UG Collection Line
Fence
Roads
Inverter

Delineated Features
Culvert
Delineated Stream - Linear
Delineated Stream - Area
Delineated Wetland - State Jurisdiction
Delineated Wetland - Federal Jurisdiction

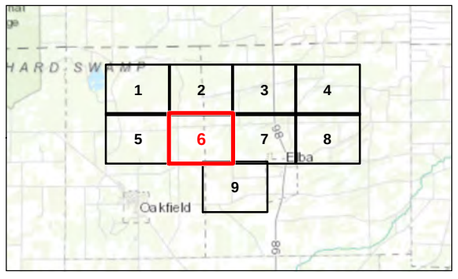
Existing Features
Watershed Boundary (HUC 12)
Municipal Boundary

N

0 800 1,600 Feet

(At original document size of 11x17)
1:9,600

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Data Sources: NYS GIS Clearinghouse (https://gis.ny.gov), USDA NRCS (http://www.ncgc.nrcs.usda.gov/)
3. Background: WorldView-3 satellite imagery purchased on June 6, 2020



Project Location
Towns of Oakfield and Elba
Genesee County, NY

Prepared by AS on 2021-03-24
TR by EE on 2021-03-25
IR by AS on 2021-03-25

Client/Project
190502038 REVB

Hecate Energy Cider Solar LLC
Cider Solar Farm

Figure No.
14-1

Title
Delineated Aquatic Resources within Project Area
Map 6 of 9

U:\190502038\03_data\gis\mxd\Application\Exhibit14\Fig_14-1_Delineated_Aquatic_Resrouces_within_Project_Area_CSF.mxd Revised: 2021-03-26 By: astapleton

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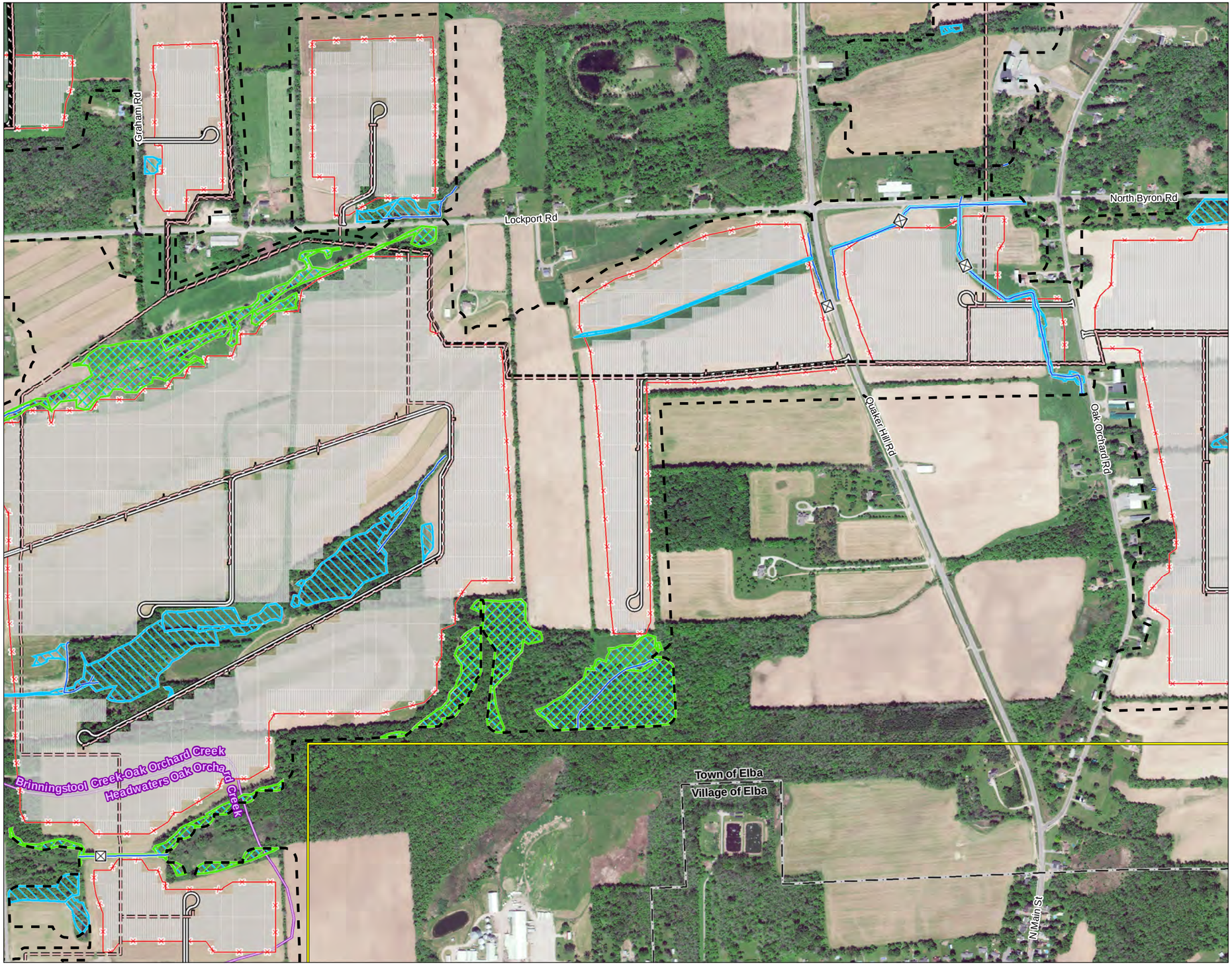


Stantec

Legend

- Project Area
- Study Area

Proposed Layout

- Substation
- Array
- UG Collection Line
- Fence
- Roads
- Inverter

Delineated Features

- Culvert
- Delineated Stream - Linear
- Delineated Stream - Area
- Delineated Wetland - State Jurisdiction
- Delineated Wetland - Federal Jurisdiction

Existing Features

- Watershed Boundary (HUC 12)
- Municipal Boundary

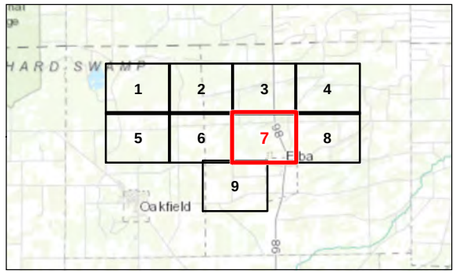
N

0 800 1,600 Feet

(At original document size of 11x17)
1:9,600

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Data Sources: NYS GIS Clearinghouse (https://gis.ny.gov), USDA NRCS (http://www.ncgc.nrcs.usda.gov/)
3. Background: WorldView-3 satellite imagery purchased on June 6, 2020



Project Location
Town of Elba
Genesee County, NY

Prepared by AS on 2021-03-24
TR by EE on 2021-03-25
IR by AS on 2021-03-25

Client/Project
190502038 REVB

Hecate Energy Cider Solar LLC
Cider Solar Farm

Figure No.
14-1

Title
Delineated Aquatic Resources within Project Area
Map 7 of 9

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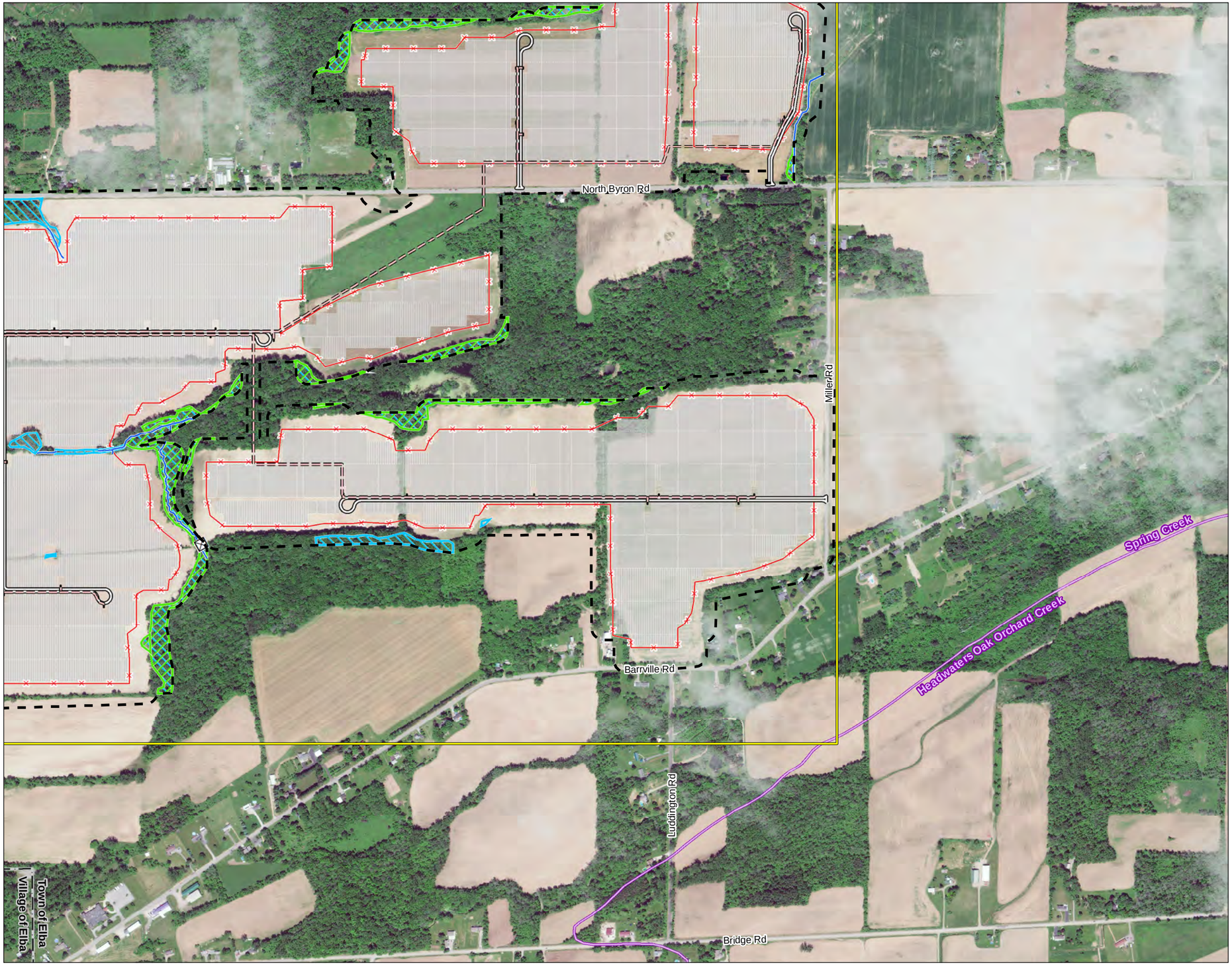

Stantec

Legend

Project Area
Study Area

Proposed Layout

Substation
Array
UG Collection Line
Fence
Roads
Inverter

Delineated Features

Culvert
Delineated Stream - Linear
Delineated Stream - Area
Delineated Wetland - State Jurisdiction
Delineated Wetland - Federal Jurisdiction

Existing Features

Watershed Boundary (HUC 12)
Municipal Boundary

N

0 800 1,600 Feet

(At original document size of 11x17)
1:9,600

Notes

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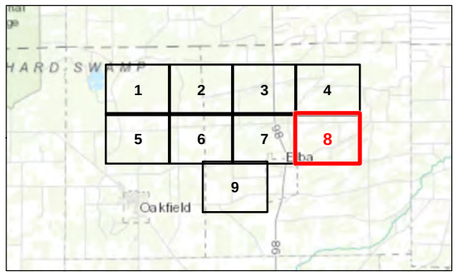

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Client/Project
190502038 REVB

Hecate Energy Cider Solar LLC
Cider Solar Farm

Figure No.
14-1

Title
Delineated Aquatic Resources within Project Area
Map 8 of 9

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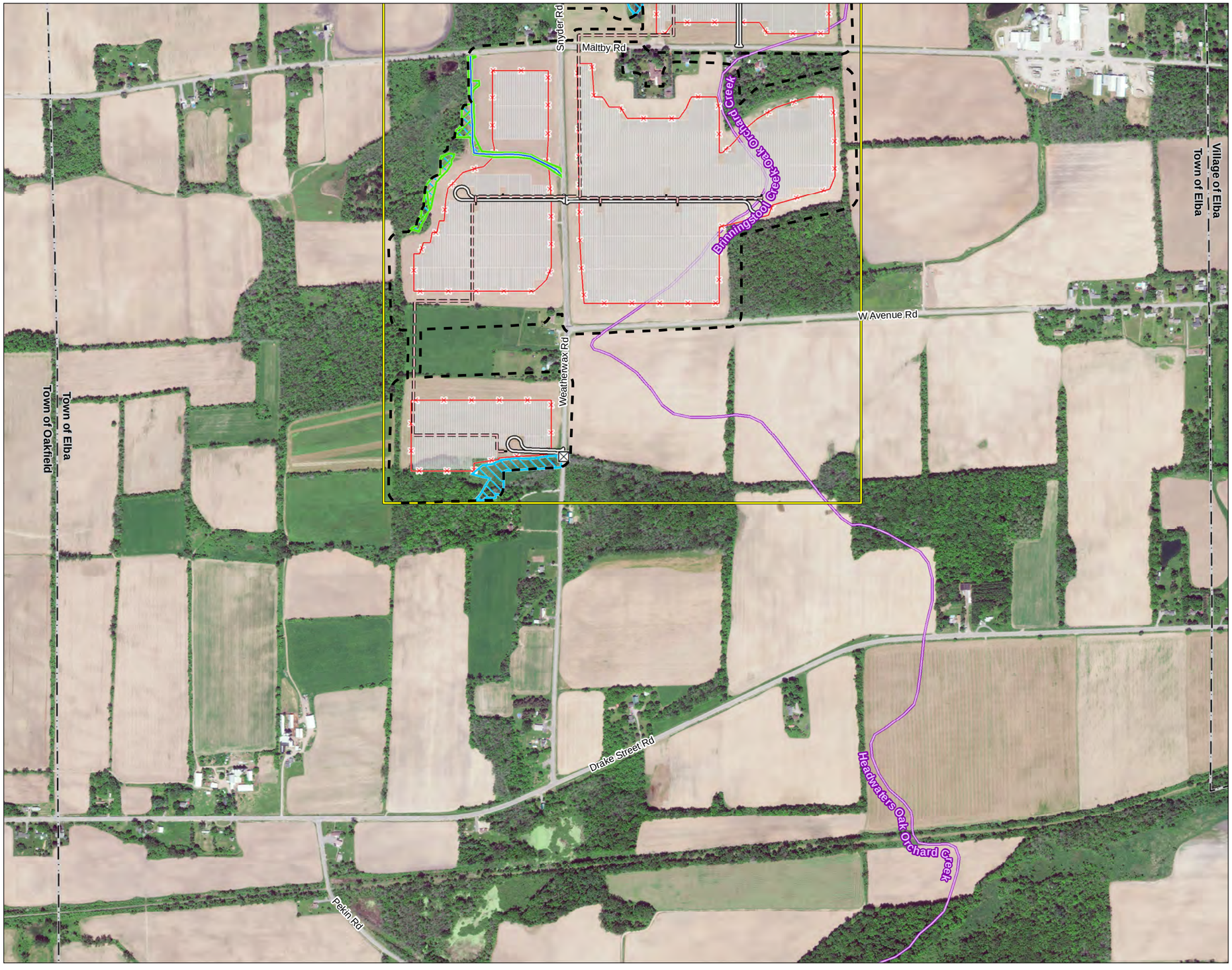
U:\190502038\03_data\gis\mxd\Application\Exhibit14\Fig_14-1_Delineated_Aquatic_Resrouces_within_Project_Area_CSF.mxd Revised: 2021-03-26 By: astapleton



Stantec

Legend

- Project Area
- Study Area

Proposed Layout

- Substation
- Array
- UG Collection Line
- Fence
- Roads
- Inverter

Delineated Features

- Culvert
- Delineated Stream - Linear
- Delineated Stream - Area
- Delineated Wetland - State Jurisdiction
- Delineated Wetland - Federal Jurisdiction

Existing Features

- Watershed Boundary (HUC 12)
- Municipal Boundary

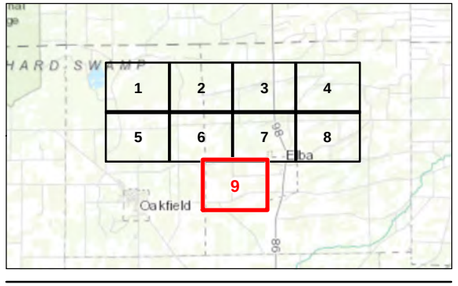
N

0 800 1,600 Feet

(At original document size of 11x17)
1:9,600

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Data Sources: NYS GIS Clearinghouse (https://gis.ny.gov), USDA NRCS (http://www.ncgc.nrcs.usda.gov/)
3. Background: WorldView-3 satellite imagery purchased on June 6, 2020



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Cider Solar Farm

Figure No.
14-1

Title
Delineated Aquatic Resources within Project Area
Map 9 of 9

U:\190502038\03_data\gis\mxd\Application\Exhibit14\Fig_14-1_Delineated_Aquatic_Resrouces_within_Project_Area_CSF.mxd Revised: 2021-03-26 By: astapleton

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