

APPENDIX E

STORMWATER MANAGEMENT REPORT

Part 4 of 7

2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 17S: DC-17

Runoff = 23.82 cfs @ 12.26 hrs, Volume= 1.879 af, Depth> 2.20"

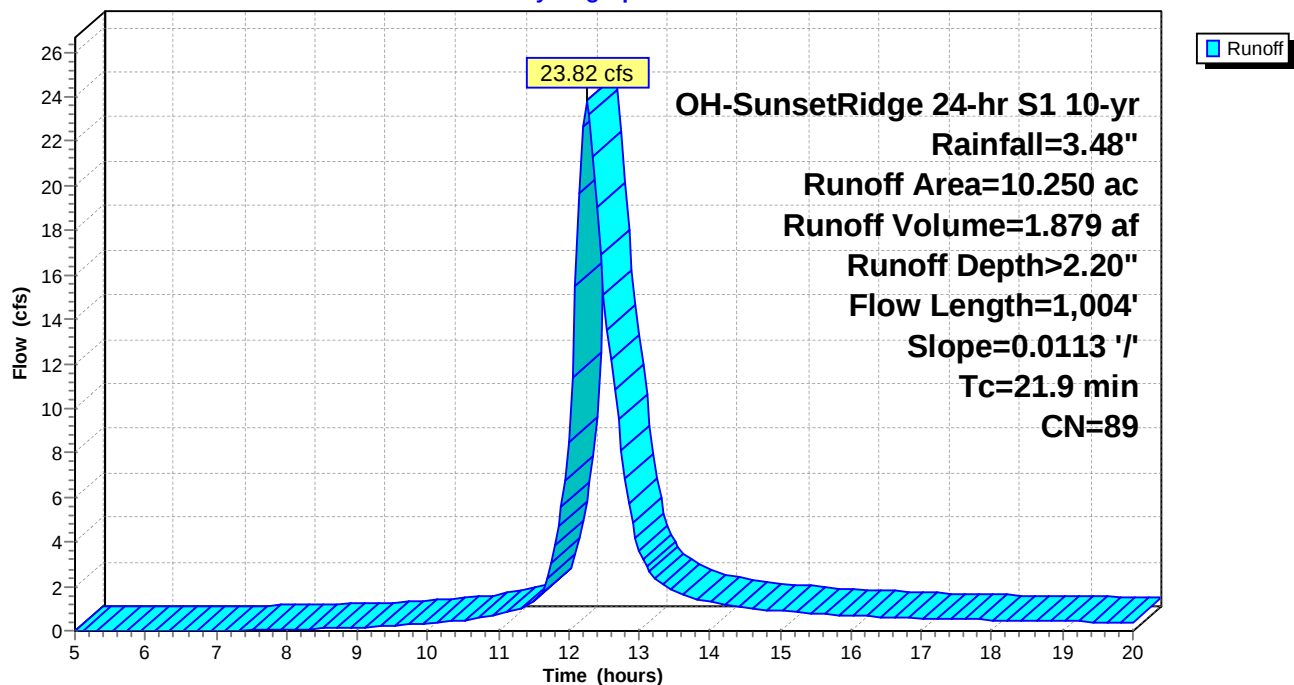
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
10.250	89	Row crops, straight row, Good, HSG D
10.250		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.9	1,004	0.0113	0.76		Lag/CN Method,

Subcatchment 17S: DC-17

Hydrograph



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Summary for Subcatchment 18S: DC-18

Runoff = 25.43 cfs @ 12.18 hrs, Volume= 1.748 af, Depth> 2.20"

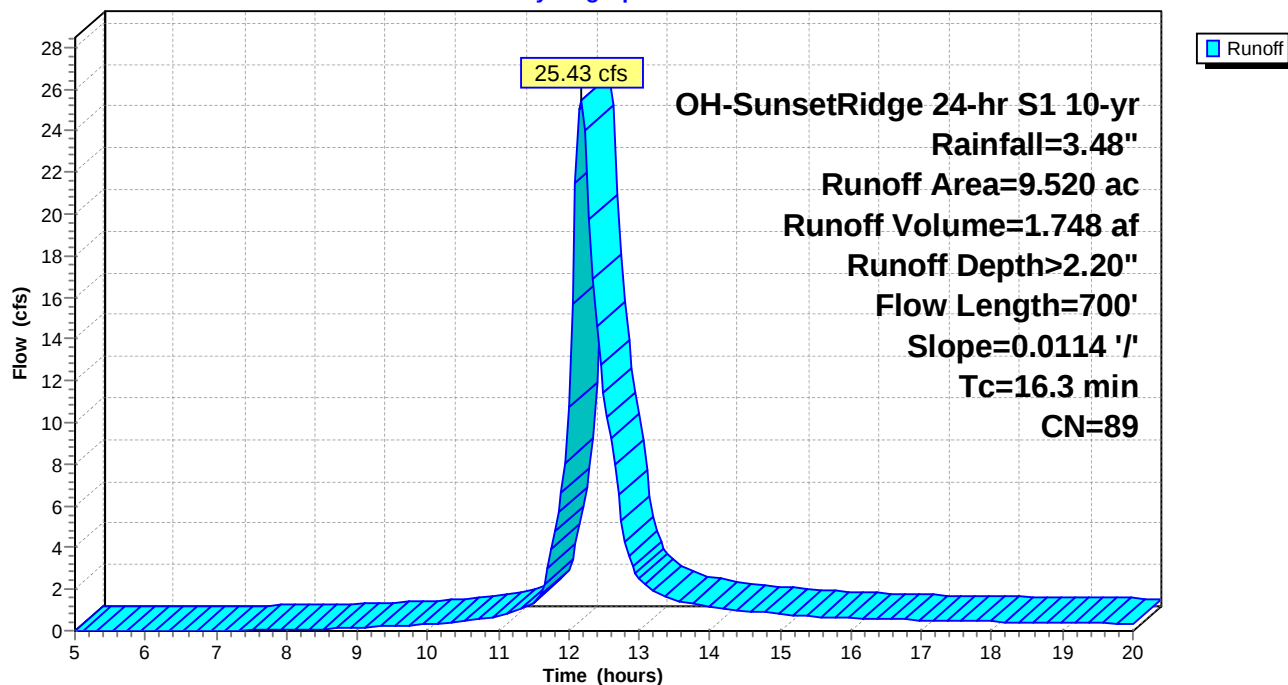
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
9.520	89	Row crops, straight row, Good, HSG D
9.520		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.3	700	0.0114	0.71		Lag/CN Method,

Subcatchment 18S: DC-18

Hydrograph



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Summary for Subcatchment 19S: DC-19

Runoff = 100.15 cfs @ 12.65 hrs, Volume= 12.262 af, Depth> 2.18"

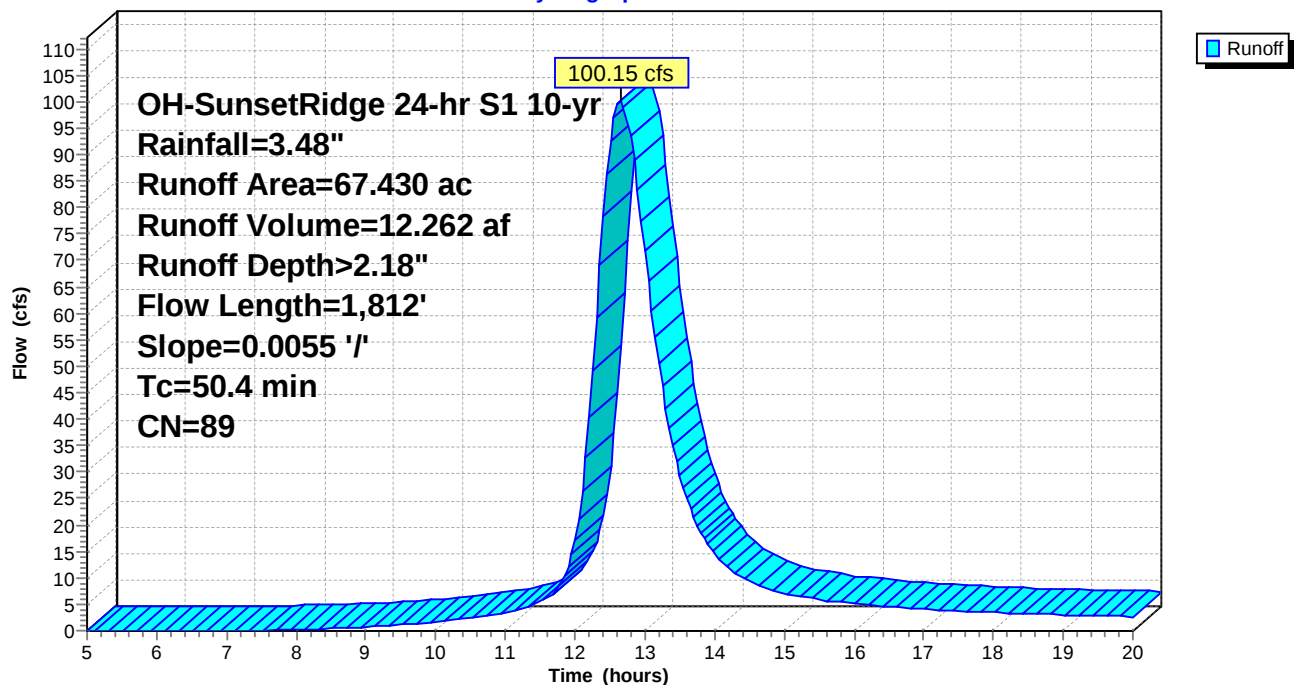
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
67.430	89	Row crops, straight row, Good, HSG D
67.430		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
50.4	1,812	0.0055	0.60		Lag/CN Method,

Subcatchment 19S: DC-19

Hydrograph



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Summary for Subcatchment 20S: DC-20

Runoff = 164.77 cfs @ 12.91 hrs, Volume= 24.728 af, Depth> 2.17"

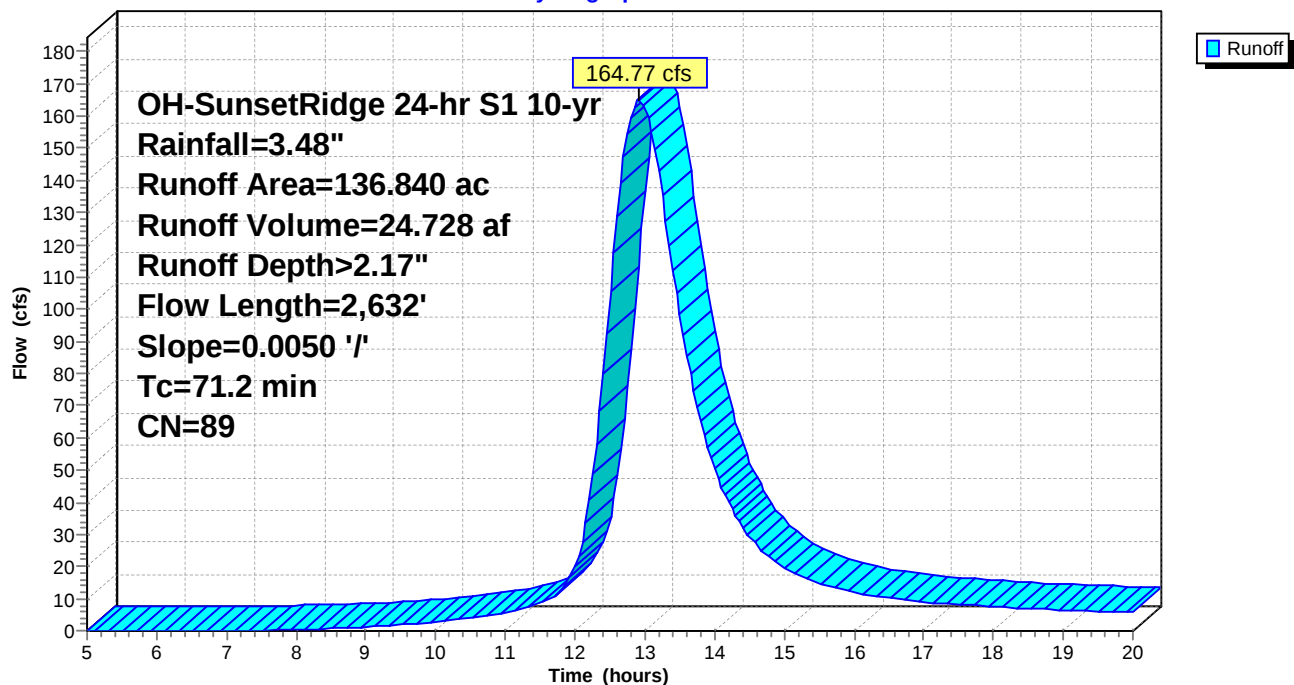
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
136.840	89	Row crops, straight row, Good, HSG D
136.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
71.2	2,632	0.0050	0.62		Lag/CN Method,

Subcatchment 20S: DC-20

Hydrograph



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Summary for Subcatchment 21S: DC-21

Runoff = 7.28 cfs @ 12.15 hrs, Volume= 0.470 af, Depth> 2.20"

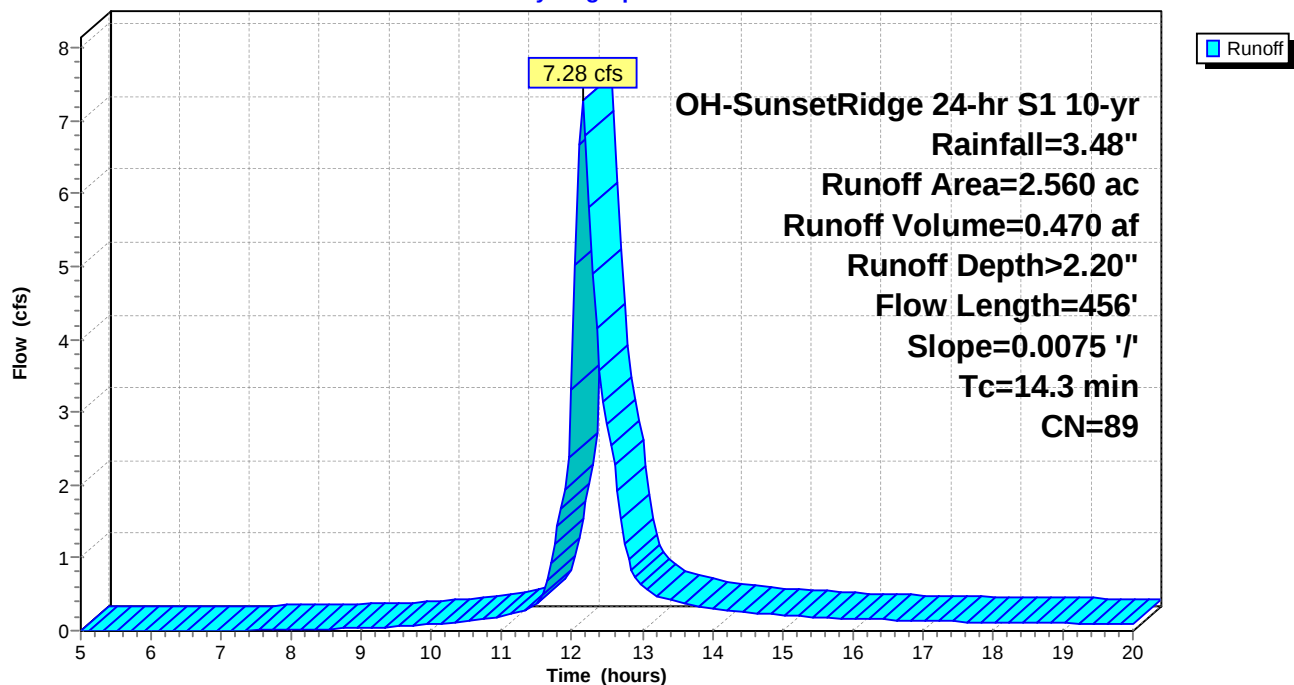
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
2.560	89	Row crops, straight row, Good, HSG D
2.560		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	456	0.0075	0.53		Lag/CN Method,

Subcatchment 21S: DC-21

Hydrograph



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OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 22S: DC-22

Runoff = 12.55 cfs @ 12.28 hrs, Volume= 1.030 af, Depth> 2.20"

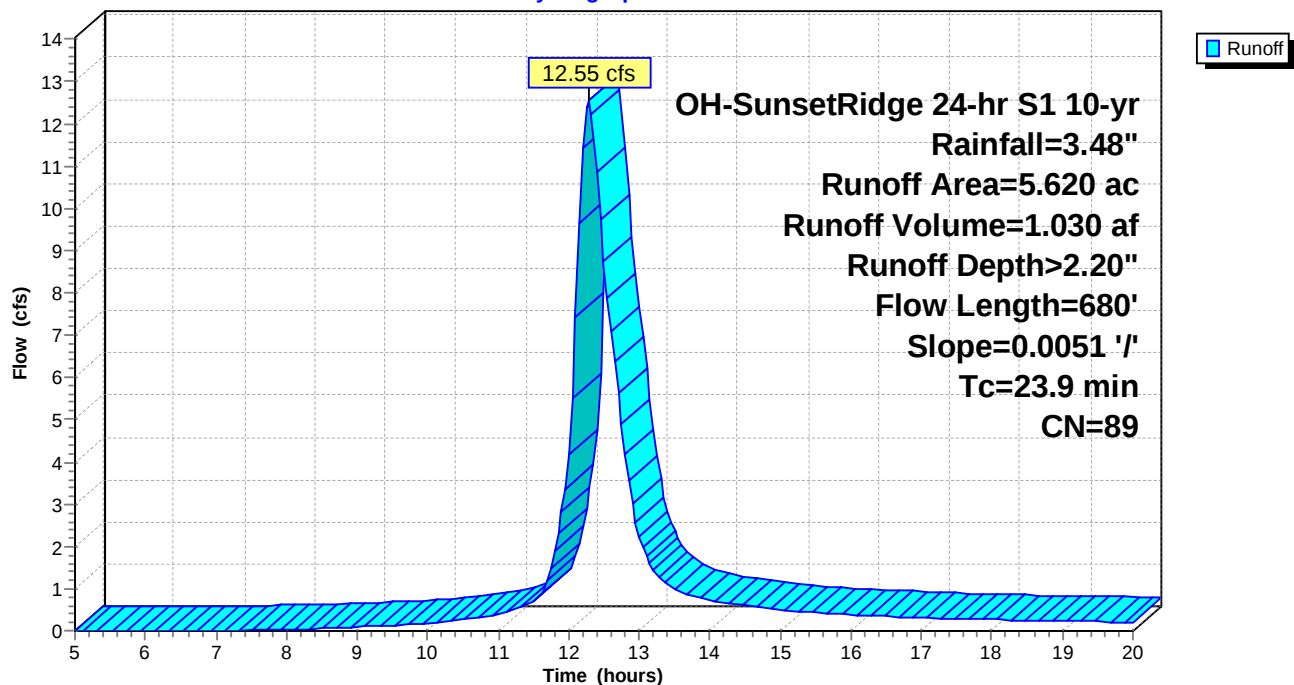
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
5.620	89	Row crops, straight row, Good, HSG D
5.620		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.9	680	0.0051	0.47		Lag/CN Method,

Subcatchment 22S: DC-22

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 23S: DC-23

Runoff = 20.50 cfs @ 12.21 hrs, Volume= 1.495 af, Depth> 2.20"

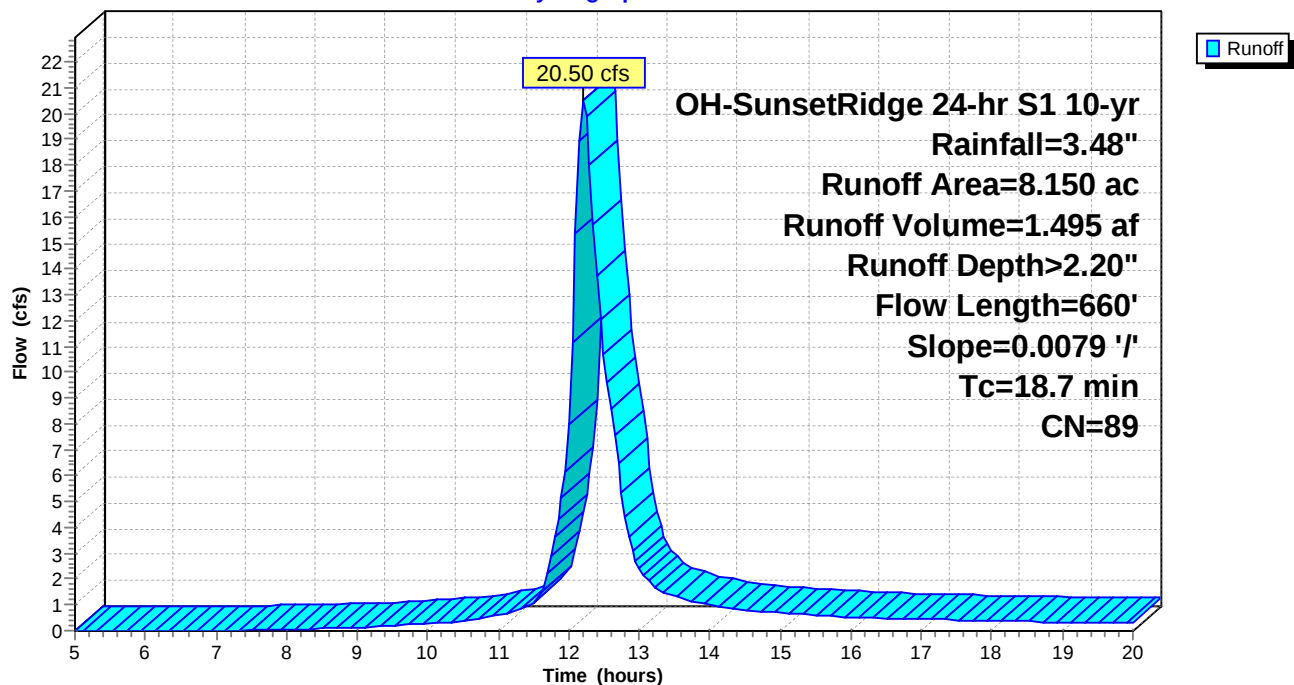
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
8.150	89	Row crops, straight row, Good, HSG D
8.150		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.7	660	0.0079	0.59		Lag/CN Method,

Subcatchment 23S: DC-23

Hydrograph



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Summary for Subcatchment 24S: DC-24

Runoff = 21.20 cfs @ 12.15 hrs, Volume= 1.358 af, Depth> 2.20"

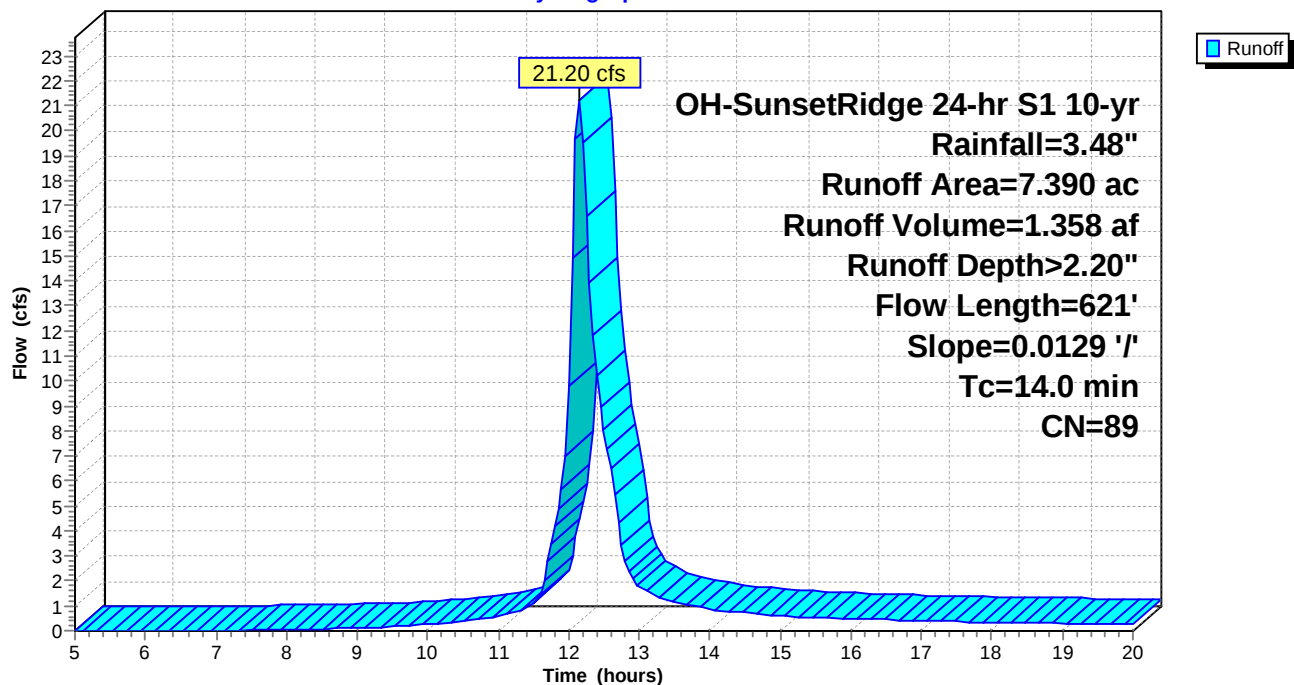
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
7.390	89	Row crops, straight row, Good, HSG D
7.390		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.0	621	0.0129	0.74		Lag/CN Method,

Subcatchment 24S: DC-24

Hydrograph



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OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 25S: DC-25

Runoff = 14.63 cfs @ 12.21 hrs, Volume= 1.057 af, Depth> 2.20"

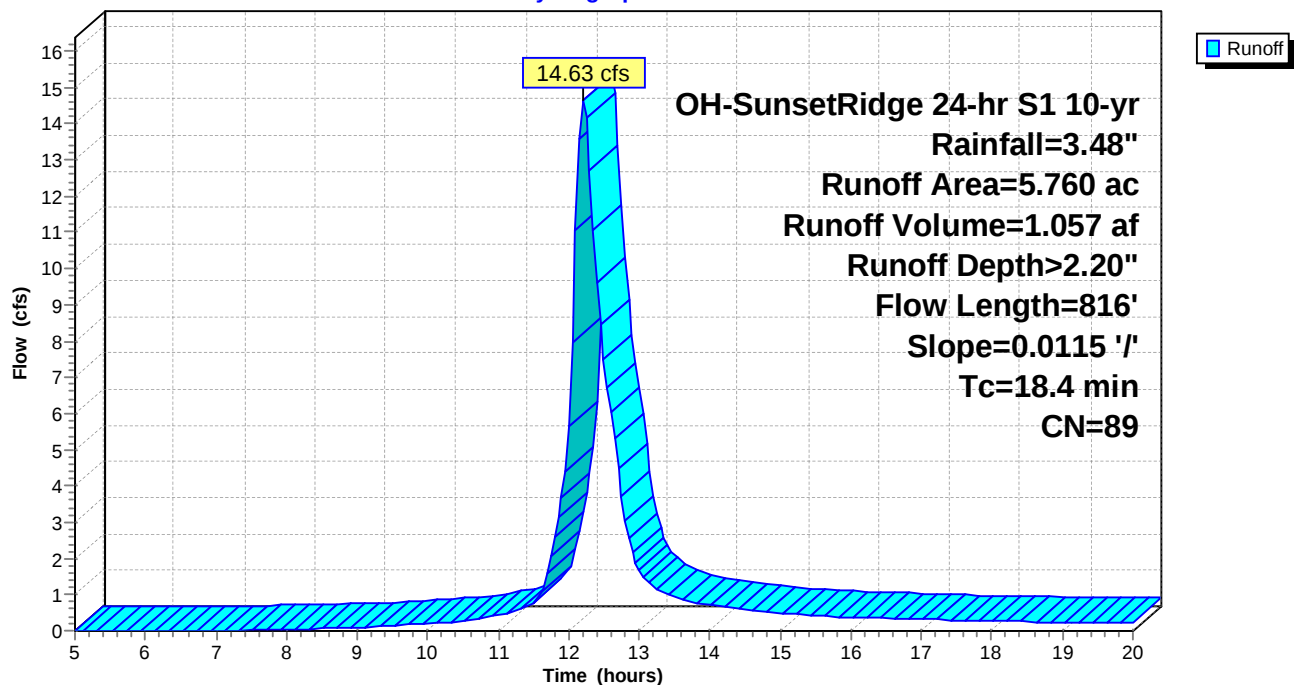
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
5.760	89	Row crops, straight row, Good, HSG D
5.760		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.4	816	0.0115	0.74		Lag/CN Method,

Subcatchment 25S: DC-25

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 26S: DC-26

Runoff = 35.62 cfs @ 12.58 hrs, Volume= 4.069 af, Depth> 2.19"

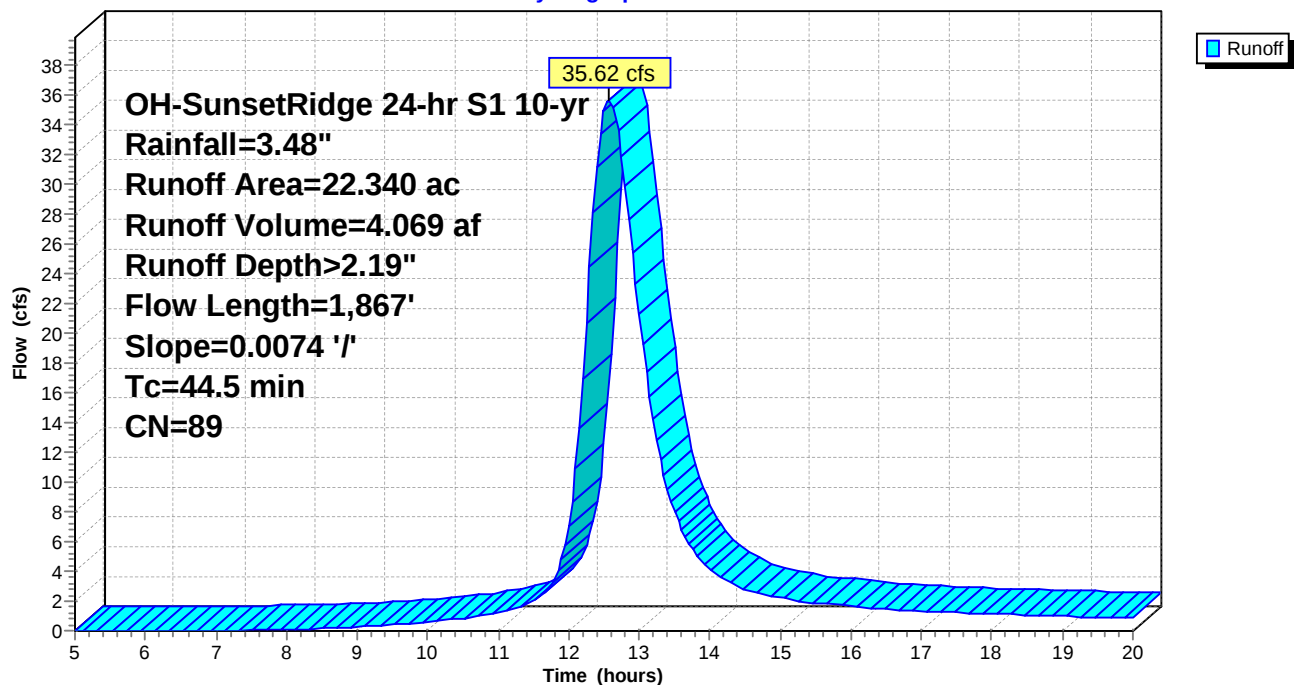
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
22.340	89	Row crops, straight row, Good, HSG D
22.340		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
44.5	1,867	0.0074	0.70		Lag/CN Method,

Subcatchment 26S: DC-26

Hydrograph



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Summary for Subcatchment 27S: DC-27

Runoff = 10.23 cfs @ 12.15 hrs, Volume= 0.658 af, Depth> 2.20"

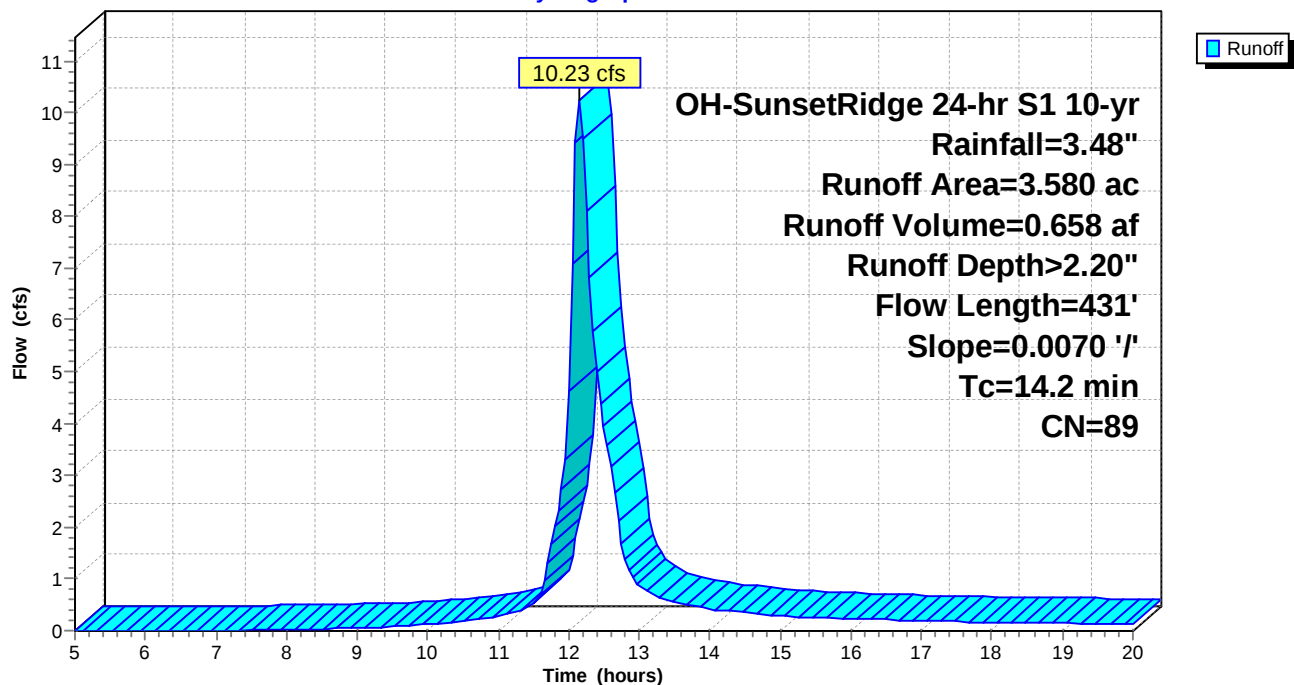
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
3.580	89	Row crops, straight row, Good, HSG D
3.580		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.2	431	0.0070	0.51		Lag/CN Method,

Subcatchment 27S: DC-27

Hydrograph



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Summary for Subcatchment 28S: DC-28

Runoff = 13.67 cfs @ 12.15 hrs, Volume= 0.884 af, Depth> 2.20"

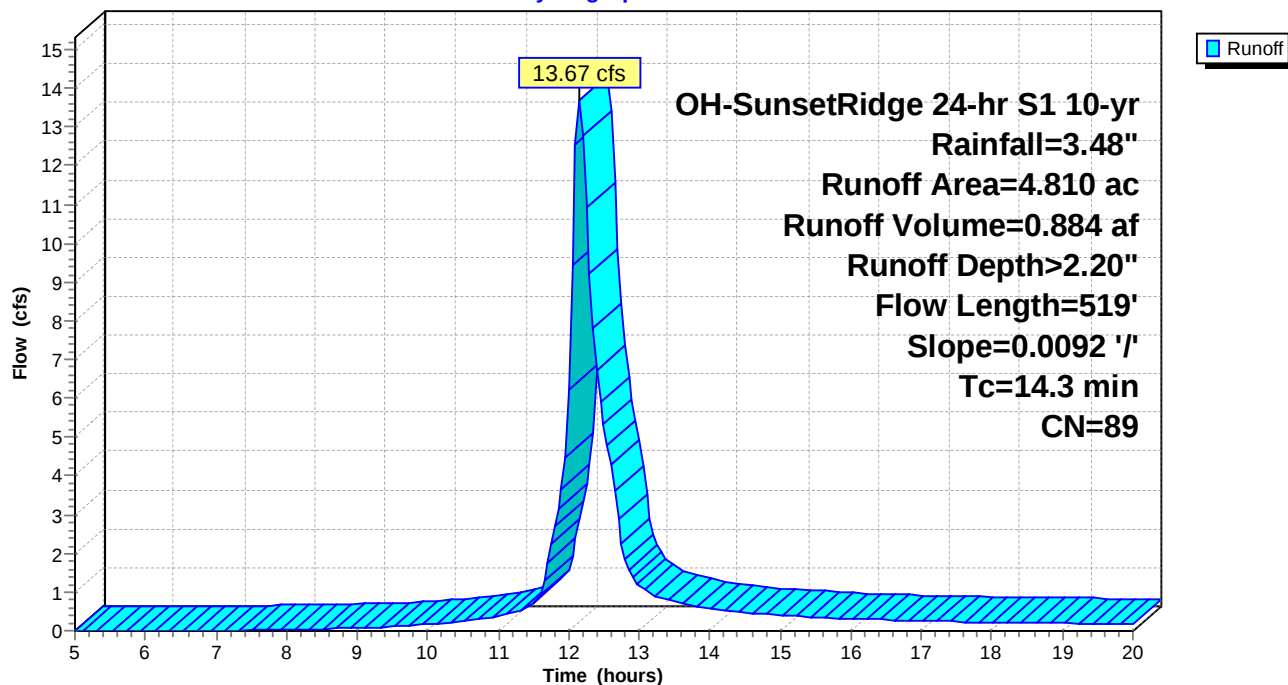
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
4.810	89	Row crops, straight row, Good, HSG D
4.810		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	519	0.0092	0.60		Lag/CN Method,

Subcatchment 28S: DC-28

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 29S: DC-29

Runoff = 13.92 cfs @ 12.16 hrs, Volume= 0.920 af, Depth> 2.20"

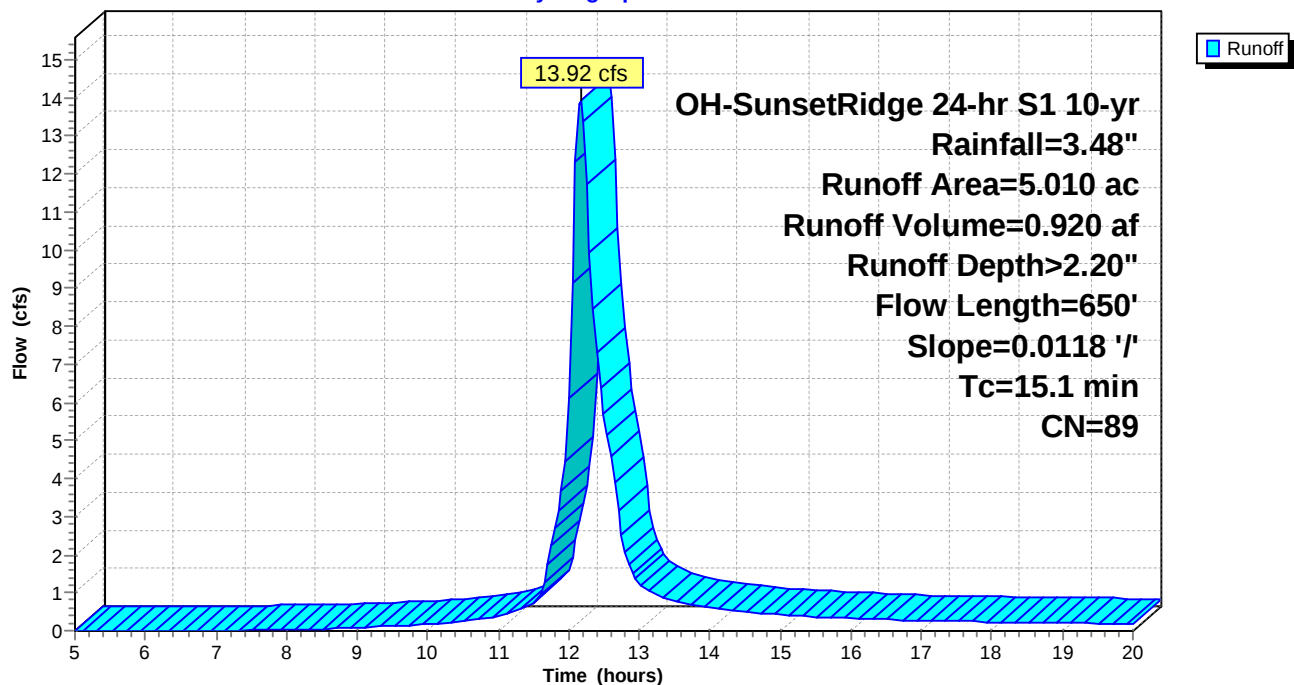
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
5.010	89	Row crops, straight row, Good, HSG D
5.010		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
15.1	650	0.0118	0.72		Lag/CN Method,

Subcatchment 29S: DC-29

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 30S: DC-30

Runoff = 51.03 cfs @ 12.56 hrs, Volume= 5.778 af, Depth> 2.19"

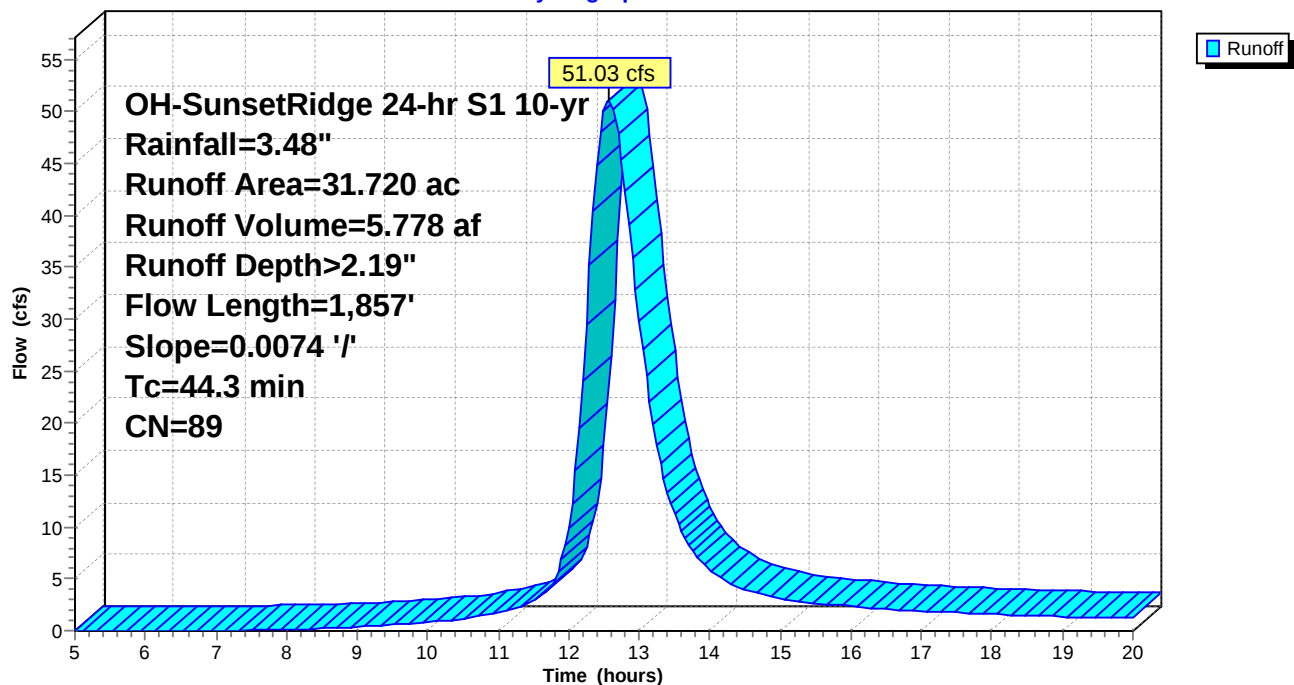
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
31.720	89	Row crops, straight row, Good, HSG D
31.720		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
44.3	1,857	0.0074	0.70		Lag/CN Method,

Subcatchment 30S: DC-30

Hydrograph



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OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 31S: DC-31

Runoff = 44.76 cfs @ 12.70 hrs, Volume= 5.710 af, Depth> 2.18"

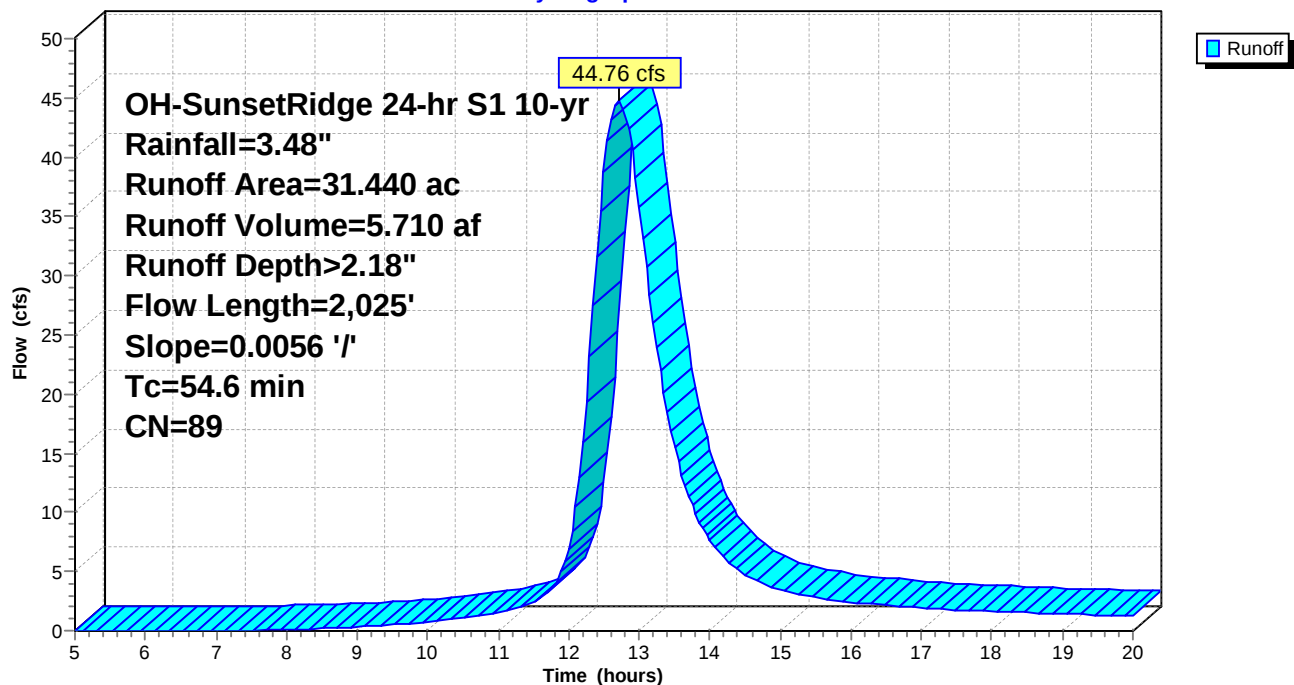
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
31.440	89	Row crops, straight row, Good, HSG D
31.440		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
54.6	2,025	0.0056	0.62		Lag/CN Method,

Subcatchment 31S: DC-31

Hydrograph



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Summary for Subcatchment 32S: DC-32

Runoff = 19.13 cfs @ 12.40 hrs, Volume= 1.830 af, Depth> 2.19"

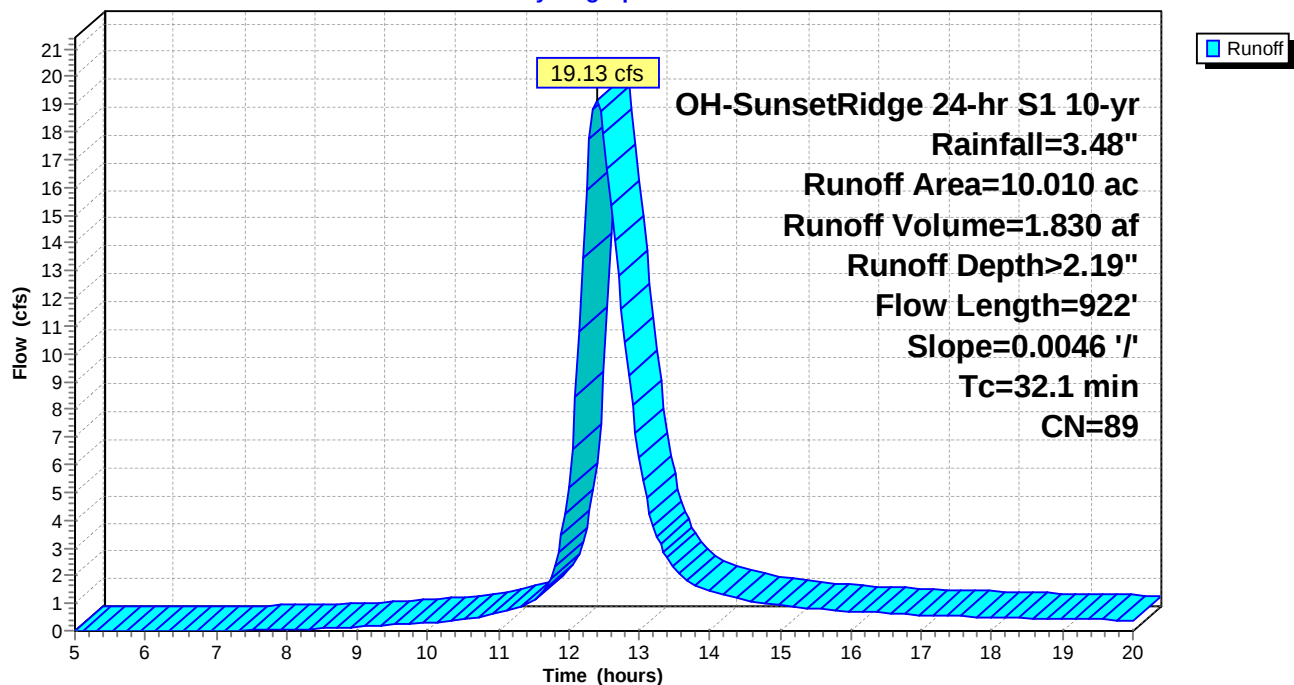
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
10.010	89	Row crops, straight row, Good, HSG D
10.010		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
32.1	922	0.0046	0.48		Lag/CN Method,

Subcatchment 32S: DC-32

Hydrograph



2021-07-12 Pre Post Analysis

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Summary for Subcatchment 33S: DC-33

Runoff = 45.14 cfs @ 12.50 hrs, Volume= 4.818 af, Depth> 2.19"

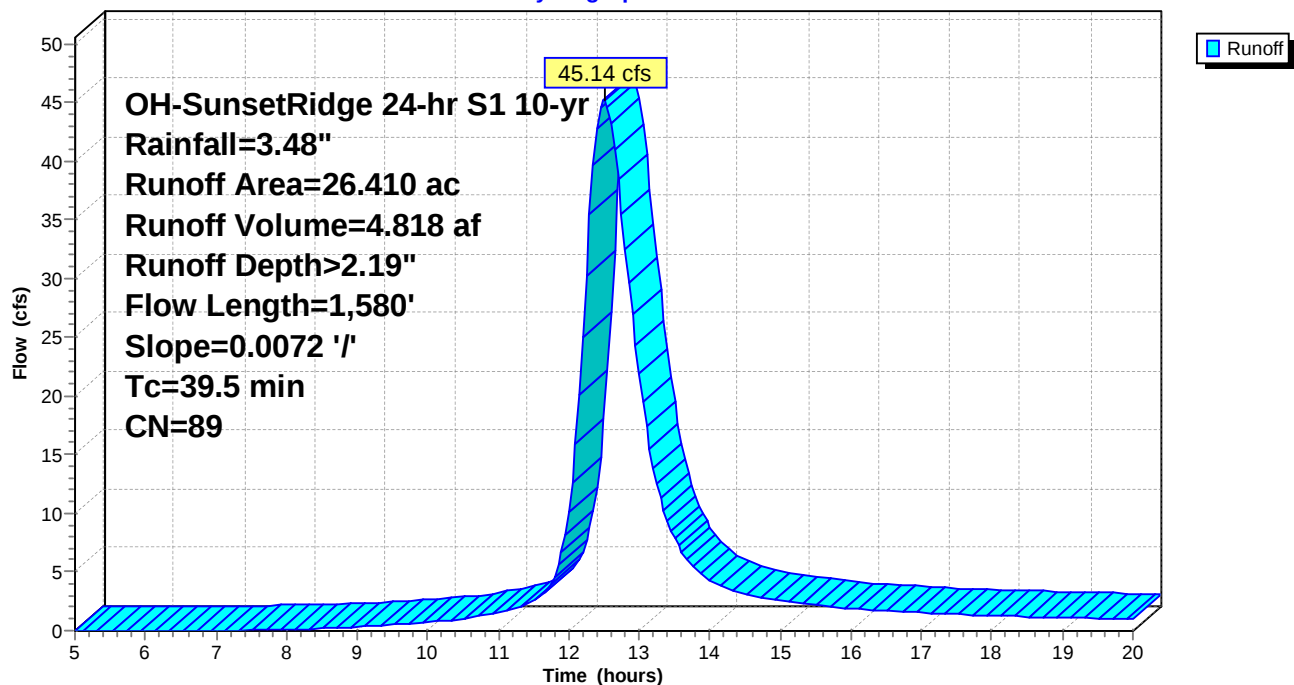
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
26.410	89	Row crops, straight row, Good, HSG D
26.410		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
39.5	1,580	0.0072	0.67		Lag/CN Method,

Subcatchment 33S: DC-33

Hydrograph



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Summary for Subcatchment 34S: DC-34

Runoff = 7.55 cfs @ 12.11 hrs, Volume= 0.445 af, Depth> 2.21"

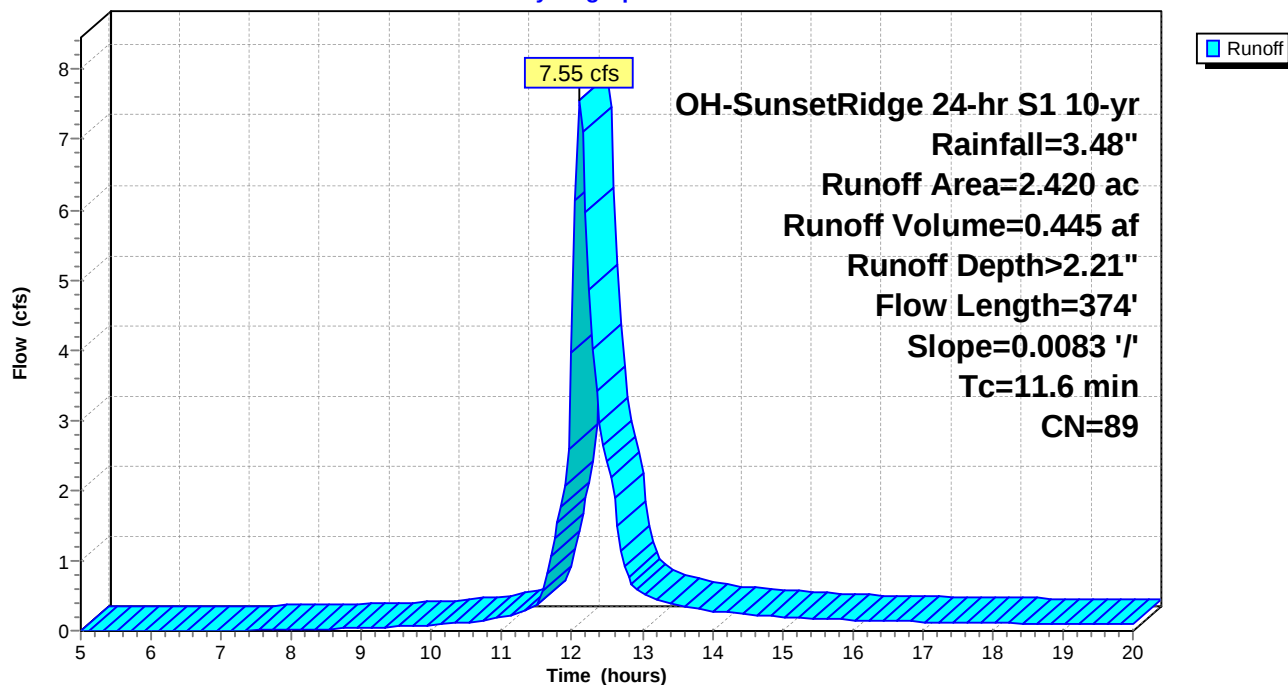
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
2.420	89	Row crops, straight row, Good, HSG D
2.420		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.6	374	0.0083	0.54		Lag/CN Method,

Subcatchment 34S: DC-34

Hydrograph



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Summary for Subcatchment 35S: DC-35

Runoff = 10.25 cfs @ 12.14 hrs, Volume= 0.641 af, Depth> 2.20"

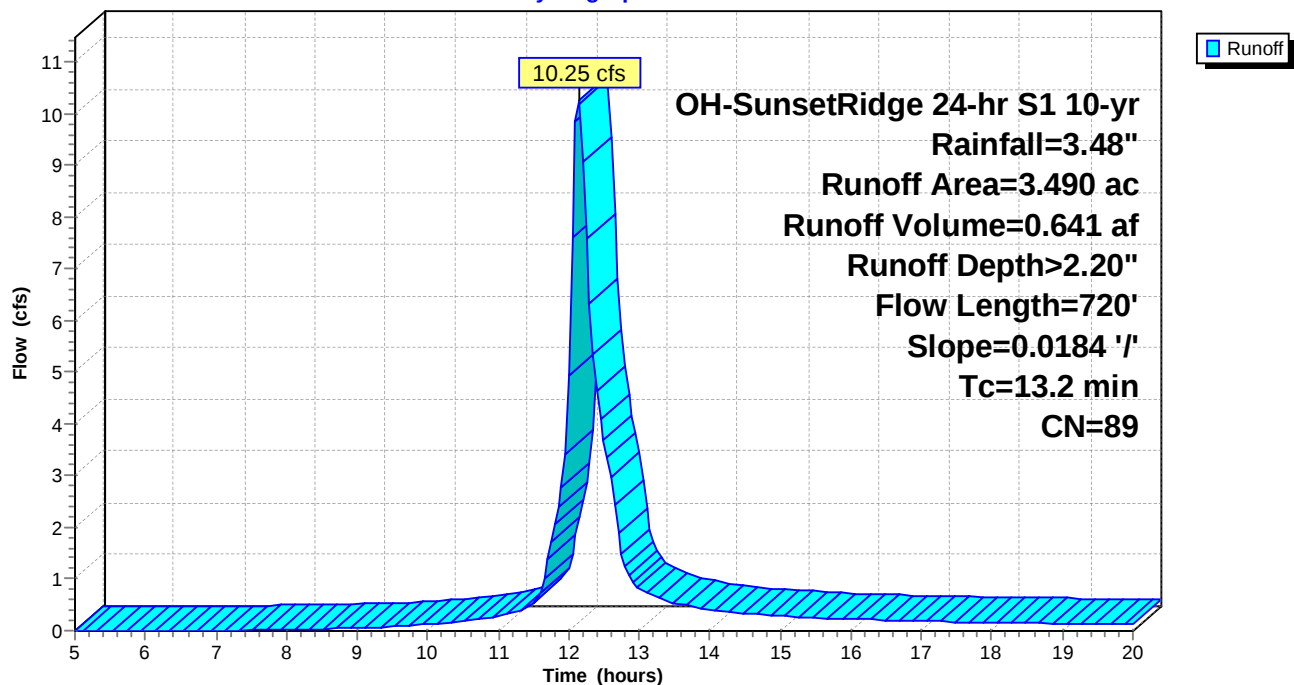
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
3.490	89	Row crops, straight row, Good, HSG D
3.490		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
13.2	720	0.0184	0.91		Lag/CN Method,

Subcatchment 35S: DC-35

Hydrograph



2021-07-12 Pre Post Analysis

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Summary for Subcatchment 36S: DC-36

Runoff = 11.90 cfs @ 12.11 hrs, Volume= 0.695 af, Depth> 2.21"

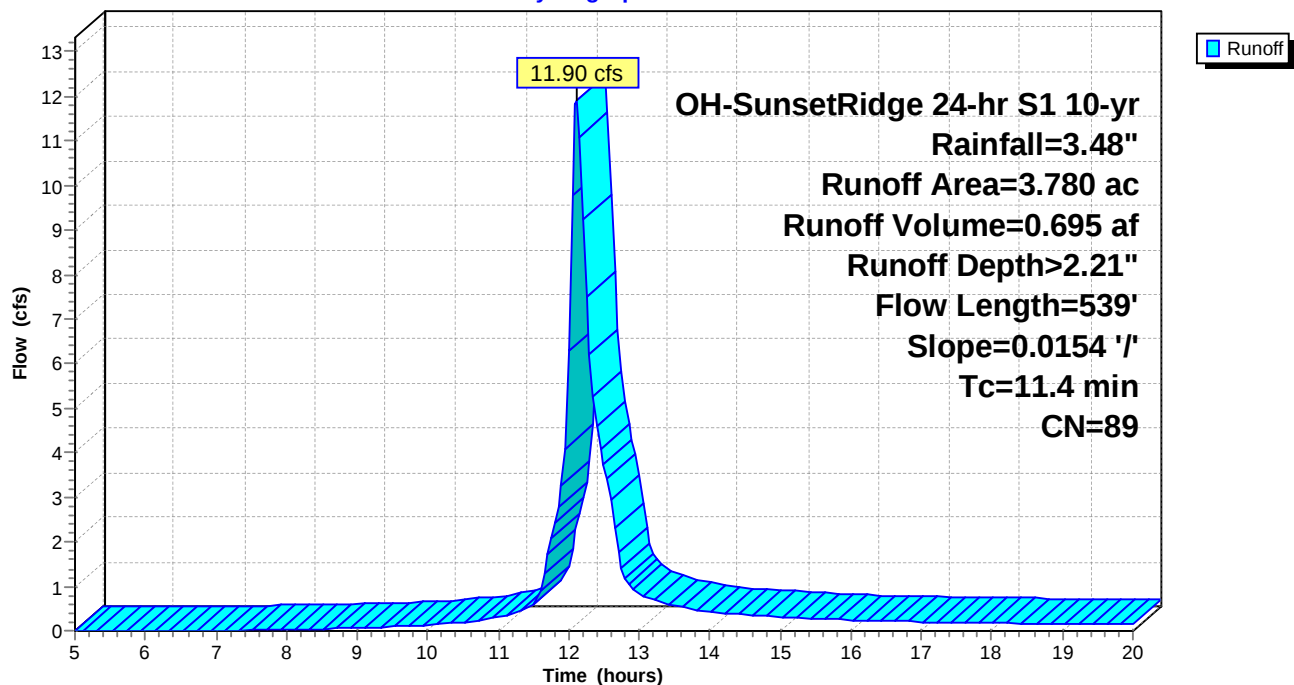
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
3.780	89	Row crops, straight row, Good, HSG D
3.780		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.4	539	0.0154	0.79		Lag/CN Method,

Subcatchment 36S: DC-36

Hydrograph



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Summary for Subcatchment 37S: DC-37

Runoff = 7.33 cfs @ 12.05 hrs, Volume= 0.352 af, Depth> 2.21"

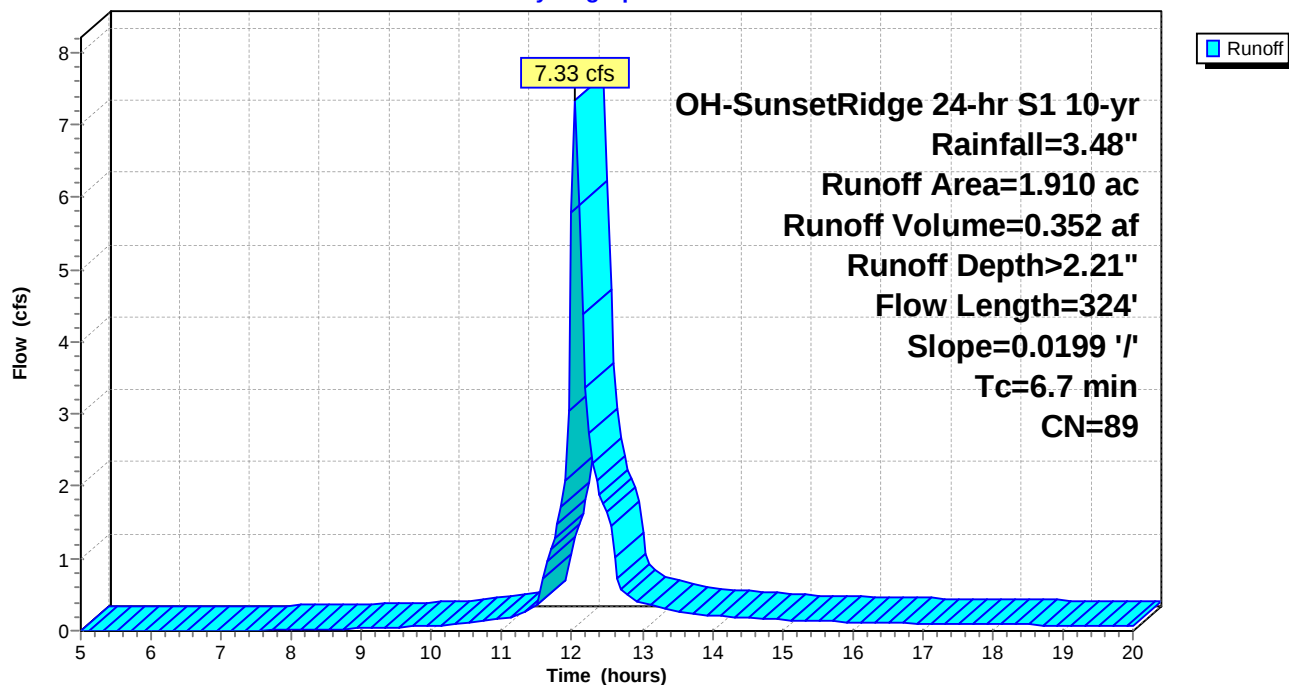
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
1.910	89	Row crops, straight row, Good, HSG D
1.910		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.7	324	0.0199	0.81		Lag/CN Method,

Subcatchment 37S: DC-37

Hydrograph



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OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 38S: DC-38

Runoff = 15.02 cfs @ 12.54 hrs, Volume= 1.662 af, Depth> 2.19"

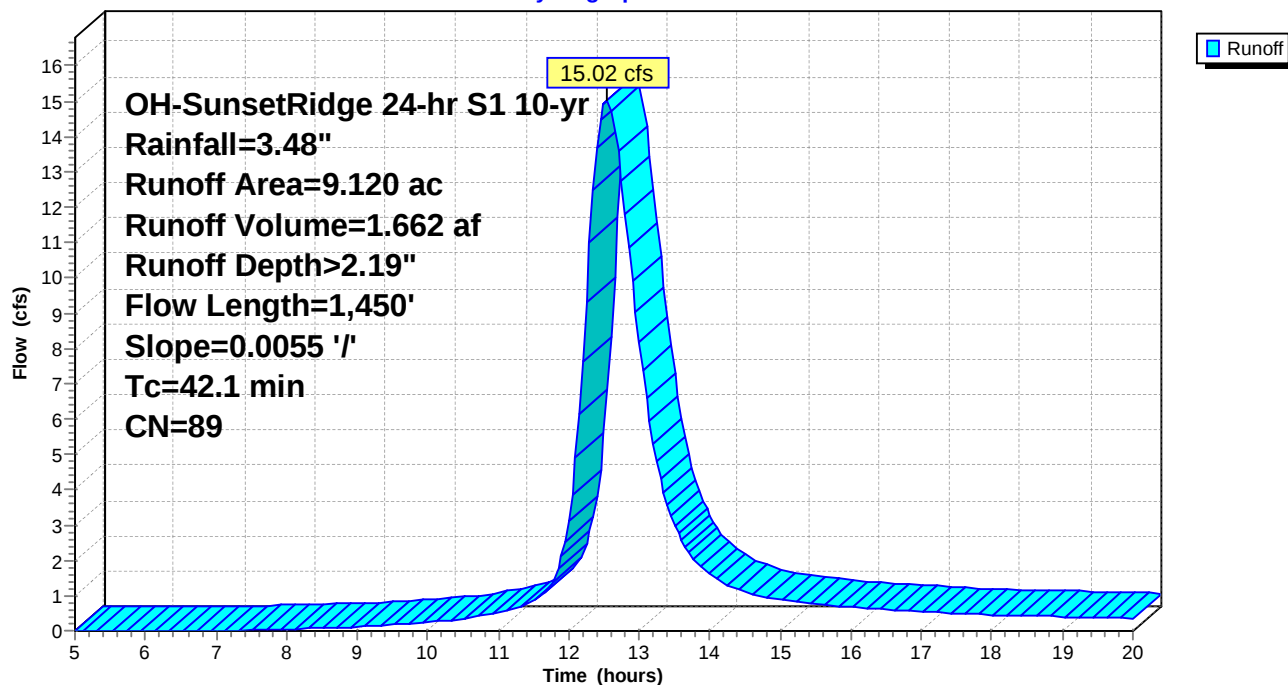
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
9.120	89	Row crops, straight row, Good, HSG D
9.120		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
42.1	1,450	0.0055	0.57		Lag/CN Method,

Subcatchment 38S: DC-38

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 39S: DC-39

Runoff = 18.11 cfs @ 12.30 hrs, Volume= 1.522 af, Depth> 2.20"

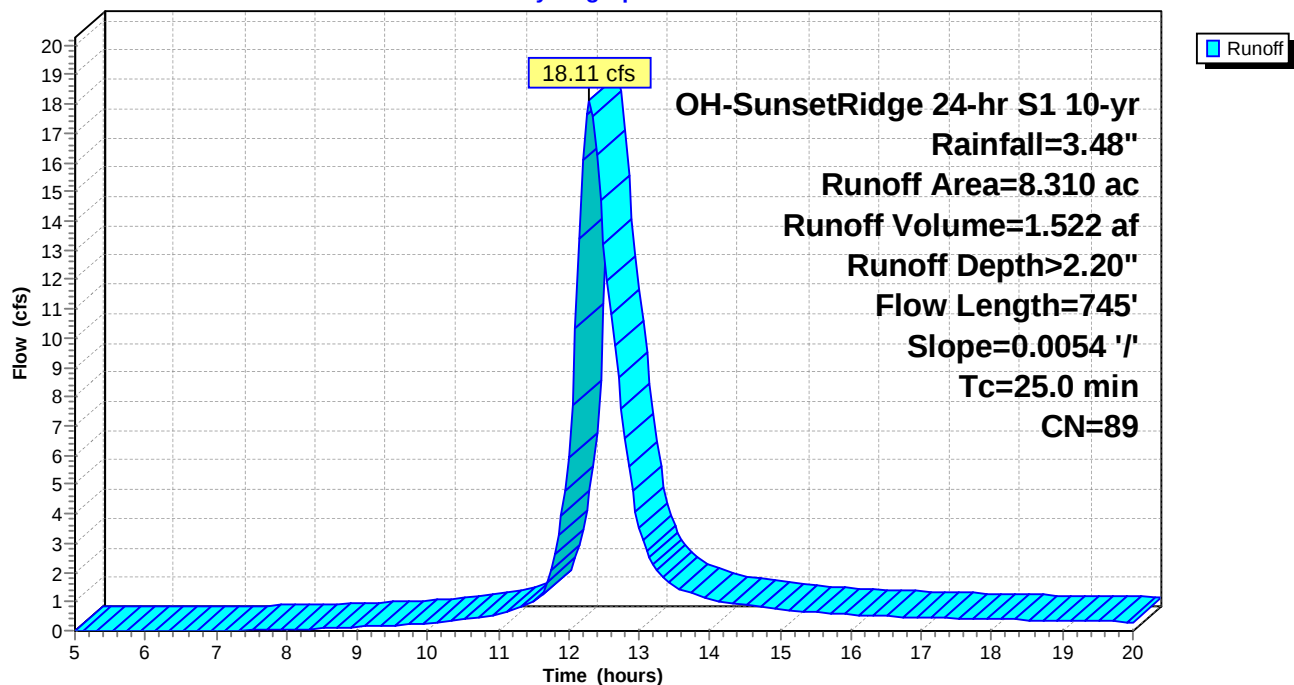
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
8.310	89	Row crops, straight row, Good, HSG D
8.310		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
25.0	745	0.0054	0.50		Lag/CN Method,

Subcatchment 39S: DC-39

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 40S: DC-40

Runoff = 12.19 cfs @ 12.33 hrs, Volume= 1.076 af, Depth> 2.20"

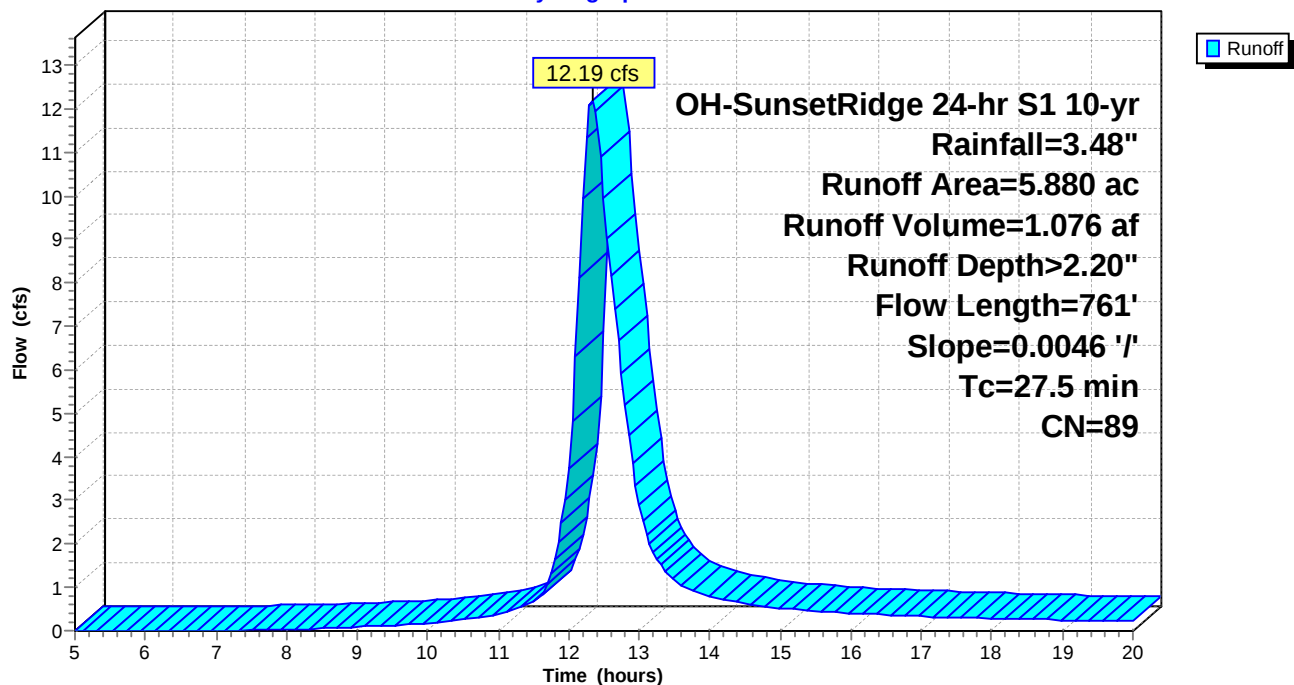
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
5.880	89	Row crops, straight row, Good, HSG D
5.880		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
27.5	761	0.0046	0.46		Lag/CN Method,

Subcatchment 40S: DC-40

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 41S: DC-41

Runoff = 28.17 cfs @ 12.58 hrs, Volume= 3.245 af, Depth> 2.19"

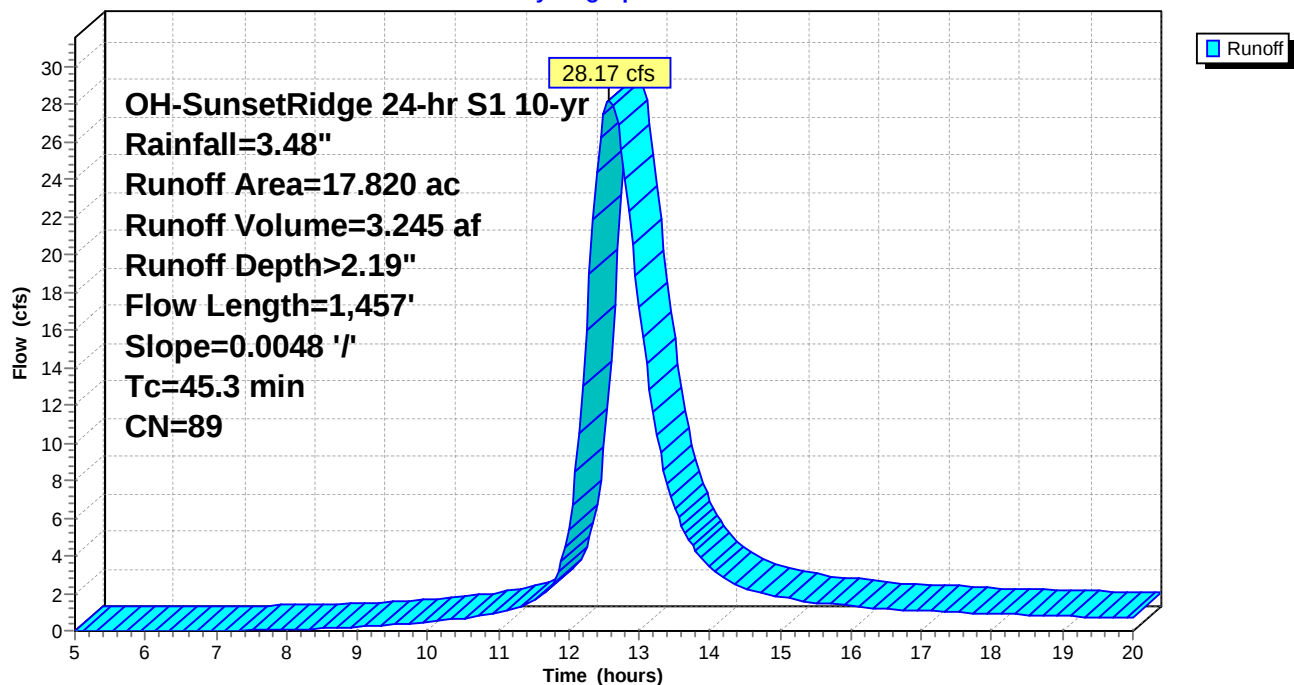
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
17.820	89	Row crops, straight row, Good, HSG D
17.820		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
45.3	1,457	0.0048	0.54		Lag/CN Method,

Subcatchment 41S: DC-41

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

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Summary for Subcatchment 42S: DC-42

Runoff = 24.89 cfs @ 13.37 hrs, Volume= 4.895 af, Depth> 2.14"

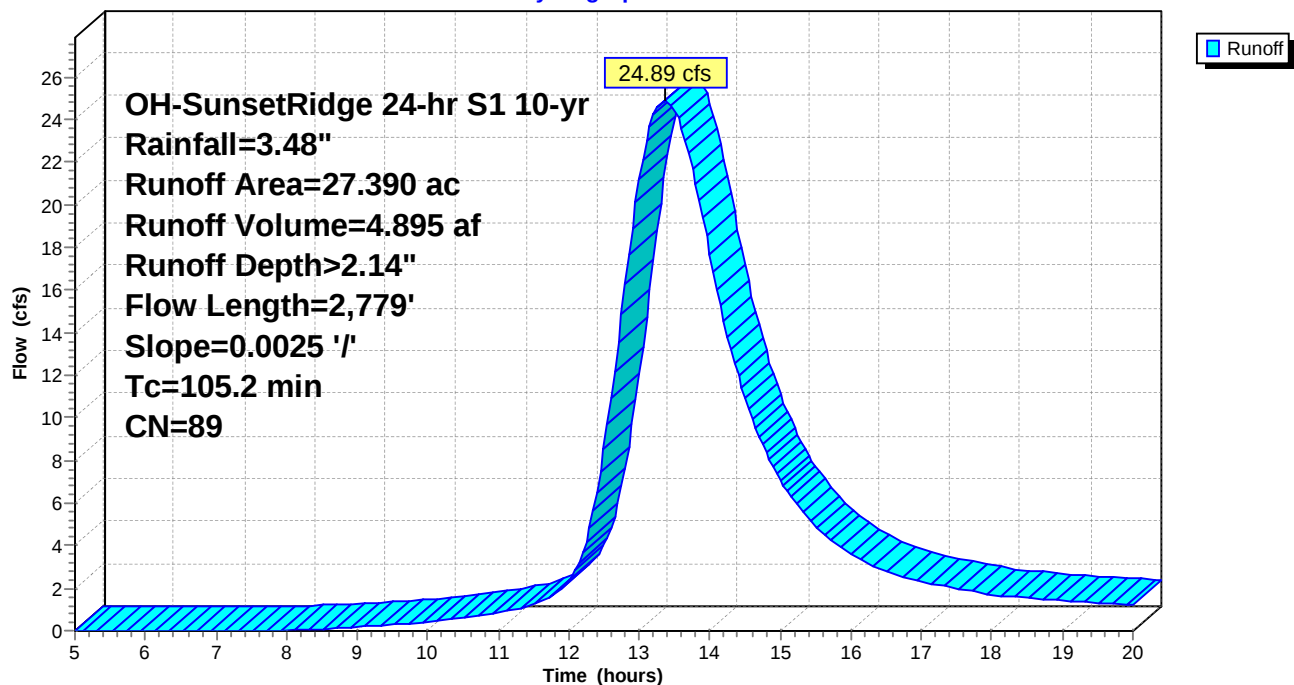
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 10-yr Rainfall=3.48"

Area (ac)	CN	Description
27.390	89	Row crops, straight row, Good, HSG D
27.390		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
105.2	2,779	0.0025	0.44		Lag/CN Method,

Subcatchment 42S: DC-42

Hydrograph



2021-07-12 Pre Post Analysis*OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"*

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Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 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: DC-01	Runoff Area=34.460 ac 0.00% Impervious Runoff Depth>3.86"
Flow Length=777' Slope=0.0061 '/' Tc=24.3 min CN=89	Runoff=123.42 cfs 11.091 af
Subcatchment 2S: DC-02	Runoff Area=15.360 ac 0.00% Impervious Runoff Depth>3.85"
Flow Length=1,134' Slope=0.0066 '/' Tc=31.6 min CN=89	Runoff=48.33 cfs 4.934 af
Subcatchment 3S: DC-03	Runoff Area=17.270 ac 0.00% Impervious Runoff Depth>3.85"
Flow Length=1,407' Slope=0.0077 '/' Tc=34.8 min CN=89	Runoff=51.73 cfs 5.543 af
Subcatchment 4S: DC-04	Runoff Area=57.040 ac 0.00% Impervious Runoff Depth>3.82"
Flow Length=2,342' Slope=0.0048 '/' Tc=66.2 min CN=89	Runoff=119.98 cfs 18.148 af
Subcatchment 5S: DC-05	Runoff Area=6.570 ac 0.00% Impervious Runoff Depth>3.85"
Flow Length=1,011' Slope=0.0033 '/' Tc=40.8 min CN=89	Runoff=18.11 cfs 2.105 af
Subcatchment 6S: DC-06	Runoff Area=28.120 ac 0.00% Impervious Runoff Depth>3.85"
Flow Length=1,305' Slope=0.0072 '/' Tc=33.9 min CN=89	Runoff=85.69 cfs 9.028 af
Subcatchment 7S: DC-07	Runoff Area=22.440 ac 0.00% Impervious Runoff Depth>3.50"
Flow Length=1,699' Slope=0.0026 '/' Tc=77.9 min CN=86	Runoff=39.43 cfs 6.543 af
Subcatchment 8S: DC-08	Runoff Area=17.130 ac 0.00% Impervious Runoff Depth>3.86"
Flow Length=933' Slope=0.0050 '/' Tc=31.1 min CN=89	Runoff=54.44 cfs 5.503 af
Subcatchment 9S: DC-09	Runoff Area=17.970 ac 0.00% Impervious Runoff Depth>3.85"
Flow Length=1,141' Slope=0.0041 '/' Tc=40.3 min CN=89	Runoff=50.00 cfs 5.759 af
Subcatchment 10S: DC-10	Runoff Area=13.370 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=539' Slope=0.0150 '/' Tc=11.6 min CN=89	Runoff=66.33 cfs 4.317 af
Subcatchment 11S: DC-11	Runoff Area=9.630 ac 0.00% Impervious Runoff Depth>3.86"
Flow Length=705' Slope=0.0048 '/' Tc=25.3 min CN=89	Runoff=33.83 cfs 3.099 af
Subcatchment 12S: DC-12	Runoff Area=65.170 ac 0.00% Impervious Runoff Depth>3.80"
Flow Length=1,973' Slope=0.0023 '/' Tc=83.4 min CN=89	Runoff=117.87 cfs 20.629 af
Subcatchment 13S: DC-13	Runoff Area=6.850 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=447' Slope=0.0100 '/' Tc=12.2 min CN=89	Runoff=33.37 cfs 2.211 af
Subcatchment 14S: DC-14	Runoff Area=31.250 ac 0.00% Impervious Runoff Depth>3.86"
Flow Length=909' Slope=0.0086 '/' Tc=23.2 min CN=89	Runoff=114.67 cfs 10.060 af
Subcatchment 15S: DC-15	Runoff Area=21.410 ac 0.00% Impervious Runoff Depth>3.84"
Flow Length=1,487' Slope=0.0050 '/' Tc=45.1 min CN=89	Runoff=56.01 cfs 6.853 af
Subcatchment 16S: DC-16	Runoff Area=37.390 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=803' Slope=0.0135 '/' Tc=16.8 min CN=89	Runoff=158.41 cfs 12.057 af

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Subcatchment 17S: DC-17	Runoff Area=10.250 ac 0.00% Impervious Runoff Depth>3.86"
Flow Length=1,004'	Slope=0.0113 '/' Tc=21.9 min CN=89 Runoff=38.53 cfs 3.301 af
Subcatchment 18S: DC-18	Runoff Area=9.520 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=700'	Slope=0.0114 '/' Tc=16.3 min CN=89 Runoff=40.80 cfs 3.070 af
Subcatchment 19S: DC-19	Runoff Area=67.430 ac 0.00% Impervious Runoff Depth>3.84"
Flow Length=1,812'	Slope=0.0055 '/' Tc=50.4 min CN=89 Runoff=165.78 cfs 21.551 af
Subcatchment 20S: DC-20	Runoff Area=136.840 ac 0.00% Impervious Runoff Depth>3.81"
Flow Length=2,632'	Slope=0.0050 '/' Tc=71.2 min CN=89 Runoff=275.02 cfs 43.474 af
Subcatchment 21S: DC-21	Runoff Area=2.560 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=456'	Slope=0.0075 '/' Tc=14.3 min CN=89 Runoff=11.63 cfs 0.826 af
Subcatchment 22S: DC-22	Runoff Area=5.620 ac 0.00% Impervious Runoff Depth>3.86"
Flow Length=680'	Slope=0.0051 '/' Tc=23.9 min CN=89 Runoff=20.35 cfs 1.809 af
Subcatchment 23S: DC-23	Runoff Area=8.150 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=660'	Slope=0.0079 '/' Tc=18.7 min CN=89 Runoff=33.01 cfs 2.627 af
Subcatchment 24S: DC-24	Runoff Area=7.390 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=621'	Slope=0.0129 '/' Tc=14.0 min CN=89 Runoff=33.86 cfs 2.385 af
Subcatchment 25S: DC-25	Runoff Area=5.760 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=816'	Slope=0.0115 '/' Tc=18.4 min CN=89 Runoff=23.55 cfs 1.857 af
Subcatchment 26S: DC-26	Runoff Area=22.340 ac 0.00% Impervious Runoff Depth>3.84"
Flow Length=1,867'	Slope=0.0074 '/' Tc=44.5 min CN=89 Runoff=58.72 cfs 7.151 af
Subcatchment 27S: DC-27	Runoff Area=3.580 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=431'	Slope=0.0070 '/' Tc=14.2 min CN=89 Runoff=16.35 cfs 1.155 af
Subcatchment 28S: DC-28	Runoff Area=4.810 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=519'	Slope=0.0092 '/' Tc=14.3 min CN=89 Runoff=21.85 cfs 1.552 af
Subcatchment 29S: DC-29	Runoff Area=5.010 ac 0.00% Impervious Runoff Depth>3.87"
Flow Length=650'	Slope=0.0118 '/' Tc=15.1 min CN=89 Runoff=22.28 cfs 1.616 af
Subcatchment 30S: DC-30	Runoff Area=31.720 ac 0.00% Impervious Runoff Depth>3.84"
Flow Length=1,857'	Slope=0.0074 '/' Tc=44.3 min CN=89 Runoff=84.14 cfs 10.155 af
Subcatchment 31S: DC-31	Runoff Area=31.440 ac 0.00% Impervious Runoff Depth>3.83"
Flow Length=2,025'	Slope=0.0056 '/' Tc=54.6 min CN=89 Runoff=74.20 cfs 10.036 af
Subcatchment 32S: DC-32	Runoff Area=10.010 ac 0.00% Impervious Runoff Depth>3.85"
Flow Length=922'	Slope=0.0046 '/' Tc=32.1 min CN=89 Runoff=31.27 cfs 3.215 af
Subcatchment 33S: DC-33	Runoff Area=26.410 ac 0.00% Impervious Runoff Depth>3.85"
Flow Length=1,580'	Slope=0.0072 '/' Tc=39.5 min CN=89 Runoff=74.21 cfs 8.466 af

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Subcatchment 34S: DC-34	Runoff Area=2.420 ac 0.00% Impervious Runoff Depth>3.87" Flow Length=374' Slope=0.0083 '/' Tc=11.6 min CN=89 Runoff=12.01 cfs 0.781 af
Subcatchment 35S: DC-35	Runoff Area=3.490 ac 0.00% Impervious Runoff Depth>3.87" Flow Length=720' Slope=0.0184 '/' Tc=13.2 min CN=89 Runoff=16.35 cfs 1.126 af
Subcatchment 36S: DC-36	Runoff Area=3.780 ac 0.00% Impervious Runoff Depth>3.87" Flow Length=539' Slope=0.0154 '/' Tc=11.4 min CN=89 Runoff=18.91 cfs 1.220 af
Subcatchment 37S: DC-37	Runoff Area=1.910 ac 0.00% Impervious Runoff Depth>3.88" Flow Length=324' Slope=0.0199 '/' Tc=6.7 min CN=89 Runoff=11.50 cfs 0.617 af
Subcatchment 38S: DC-38	Runoff Area=9.120 ac 0.00% Impervious Runoff Depth>3.84" Flow Length=1,450' Slope=0.0055 '/' Tc=42.1 min CN=89 Runoff=24.74 cfs 2.921 af
Subcatchment 39S: DC-39	Runoff Area=8.310 ac 0.00% Impervious Runoff Depth>3.86" Flow Length=745' Slope=0.0054 '/' Tc=25.0 min CN=89 Runoff=29.40 cfs 2.674 af
Subcatchment 40S: DC-40	Runoff Area=5.880 ac 0.00% Impervious Runoff Depth>3.86" Flow Length=761' Slope=0.0046 '/' Tc=27.5 min CN=89 Runoff=19.84 cfs 1.891 af
Subcatchment 41S: DC-41	Runoff Area=17.820 ac 0.00% Impervious Runoff Depth>3.84" Flow Length=1,457' Slope=0.0048 '/' Tc=45.3 min CN=89 Runoff=46.53 cfs 5.703 af
Subcatchment 42S: DC-42	Runoff Area=27.390 ac 0.00% Impervious Runoff Depth>3.77" Flow Length=2,779' Slope=0.0025 '/' Tc=105.2 min CN=89 Runoff=41.88 cfs 8.610 af
Total Runoff Area = 870.390 ac Runoff Volume = 277.670 af Average Runoff Depth = 3.83"	
100.00% Pervious = 870.390 ac 0.00% Impervious = 0.000 ac	

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OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 1S: DC-01

Runoff = 123.42 cfs @ 12.28 hrs, Volume= 11.091 af, Depth> 3.86"

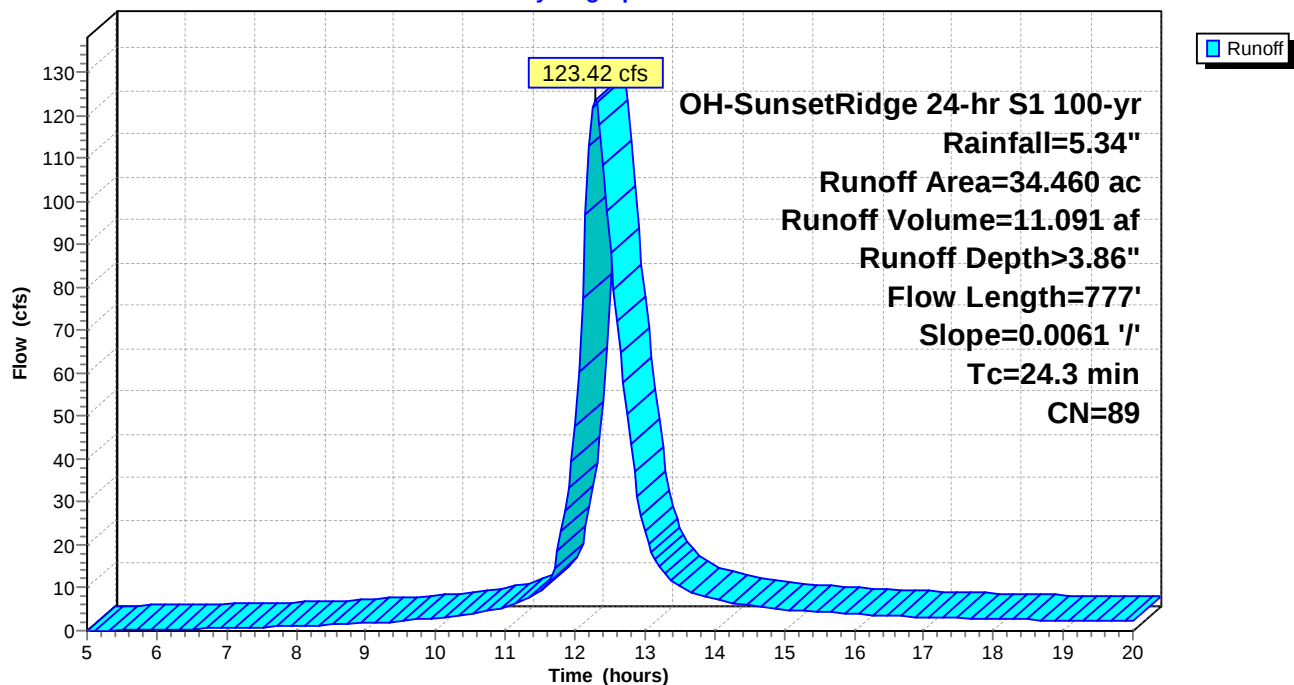
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
34.460	89	Row crops, straight row, Good, HSG D
34.460		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
24.3	777	0.0061	0.53		Lag/CN Method,

Subcatchment 1S: DC-01

Hydrograph



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Summary for Subcatchment 2S: DC-02

Runoff = 48.33 cfs @ 12.38 hrs, Volume= 4.934 af, Depth> 3.85"

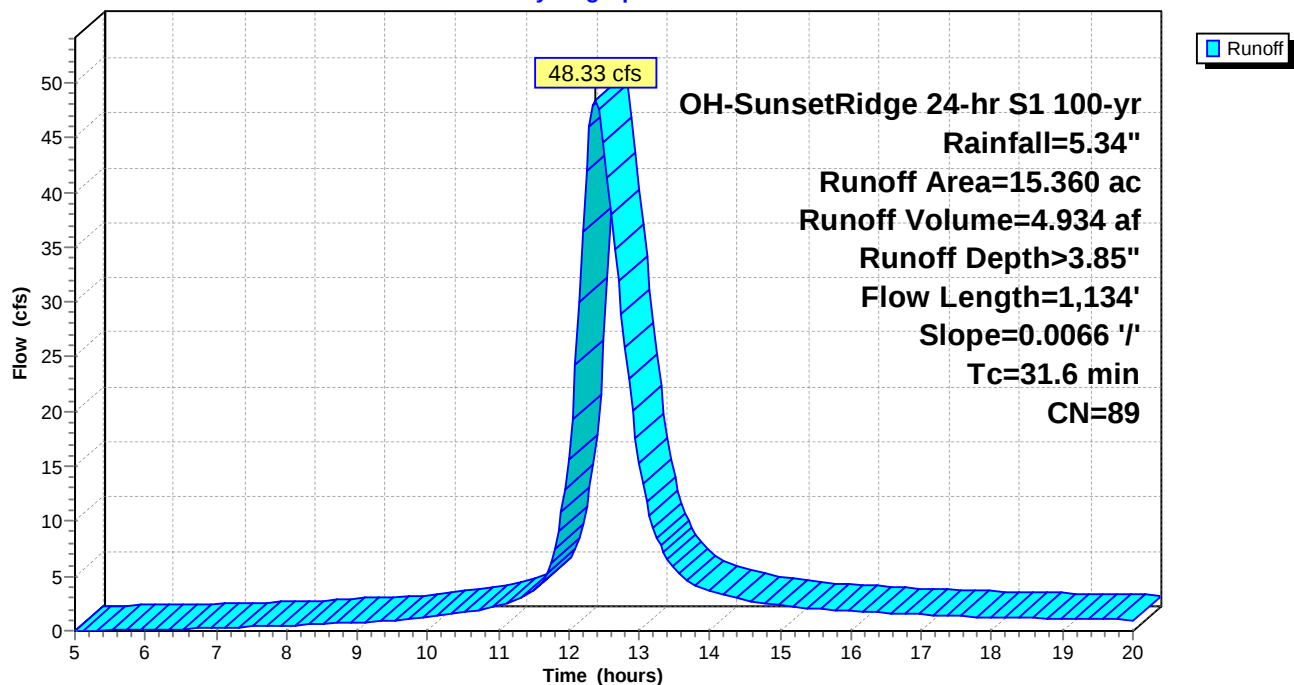
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
15.360	89	Row crops, straight row, Good, HSG D
15.360		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.6	1,134	0.0066	0.60		Lag/CN Method,

Subcatchment 2S: DC-02

Hydrograph



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Summary for Subcatchment 3S: DC-03

Runoff = 51.73 cfs @ 12.43 hrs, Volume= 5.543 af, Depth> 3.85"

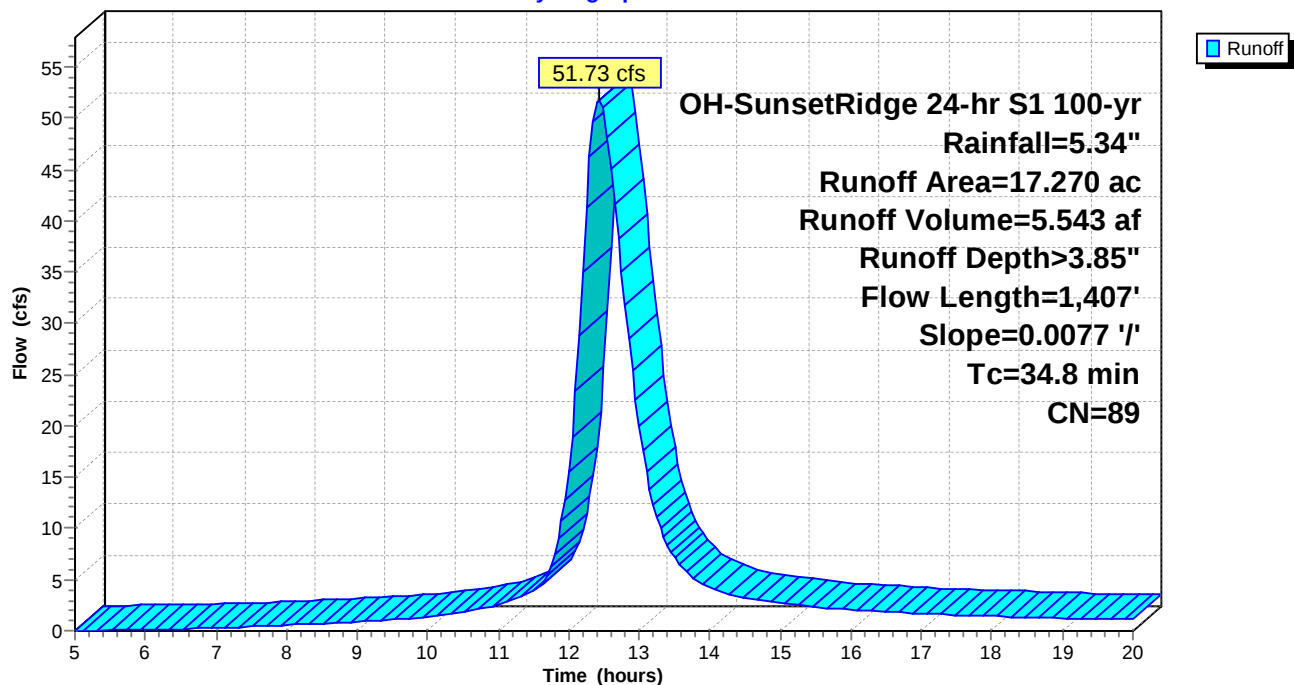
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
17.270	89	Row crops, straight row, Good, HSG D
17.270		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
34.8	1,407	0.0077	0.67		Lag/CN Method,

Subcatchment 3S: DC-03

Hydrograph



2021-07-12 Pre Post Analysis

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Summary for Subcatchment 4S: DC-04

Runoff = 119.98 cfs @ 12.86 hrs, Volume= 18.148 af, Depth> 3.82"

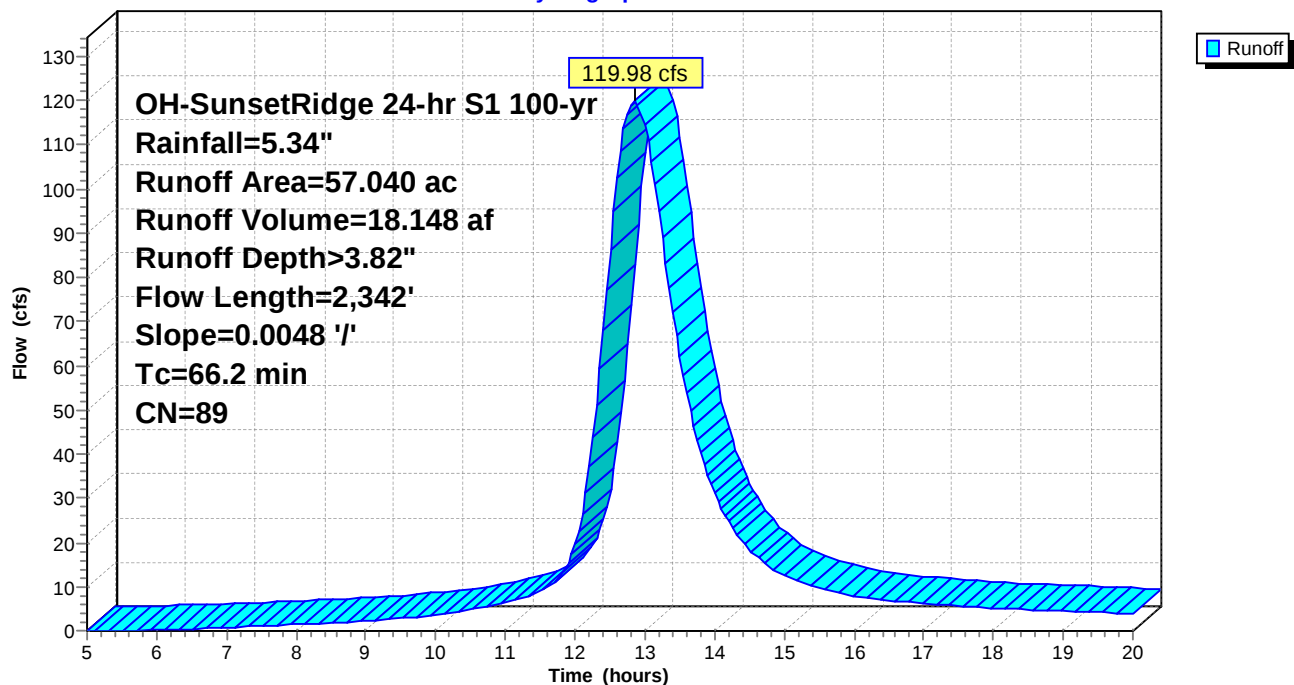
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
57.040	89	Row crops, straight row, Good, HSG D
57.040		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
66.2	2,342	0.0048	0.59		Lag/CN Method,

Subcatchment 4S: DC-04

Hydrograph



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Summary for Subcatchment 5S: DC-05

Runoff = 18.11 cfs @ 12.51 hrs, Volume= 2.105 af, Depth> 3.85"

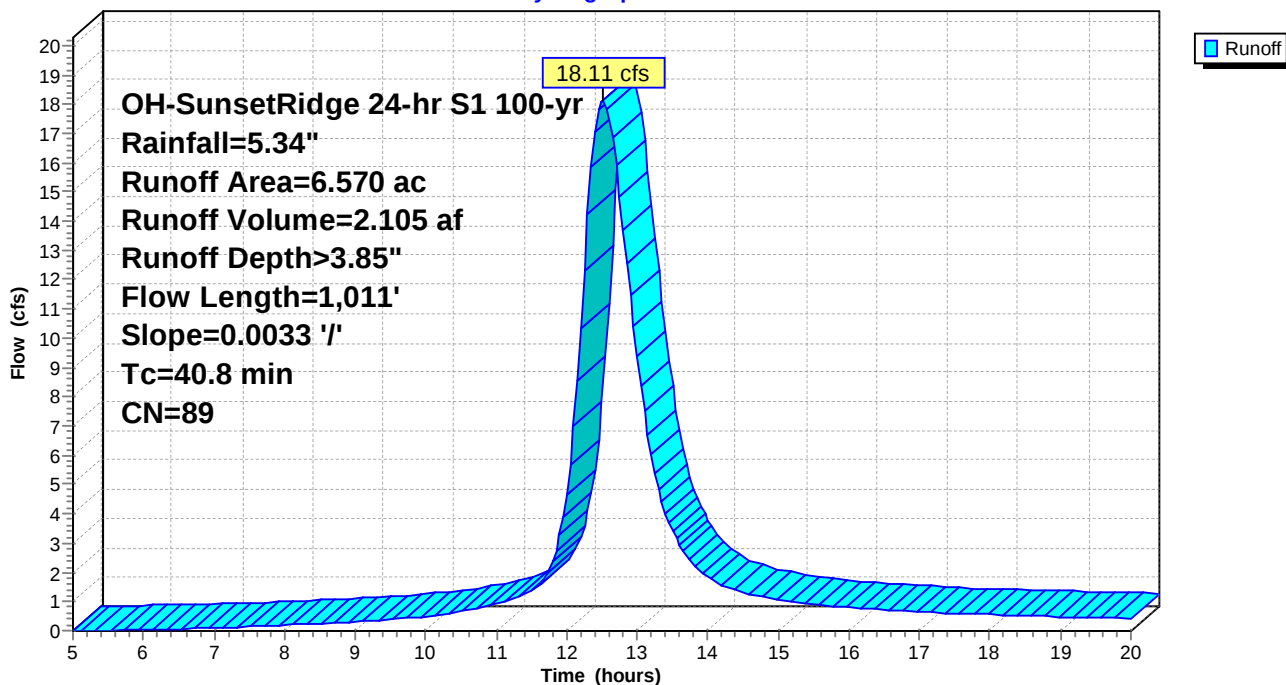
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
6.570	89	Row crops, straight row, Good, HSG D
6.570		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
40.8	1,011	0.0033	0.41		Lag/CN Method,

Subcatchment 5S: DC-05

Hydrograph



Summary for Subcatchment 6S: DC-06

Runoff = 85.69 cfs @ 12.42 hrs, Volume= 9.028 af, Depth> 3.85"

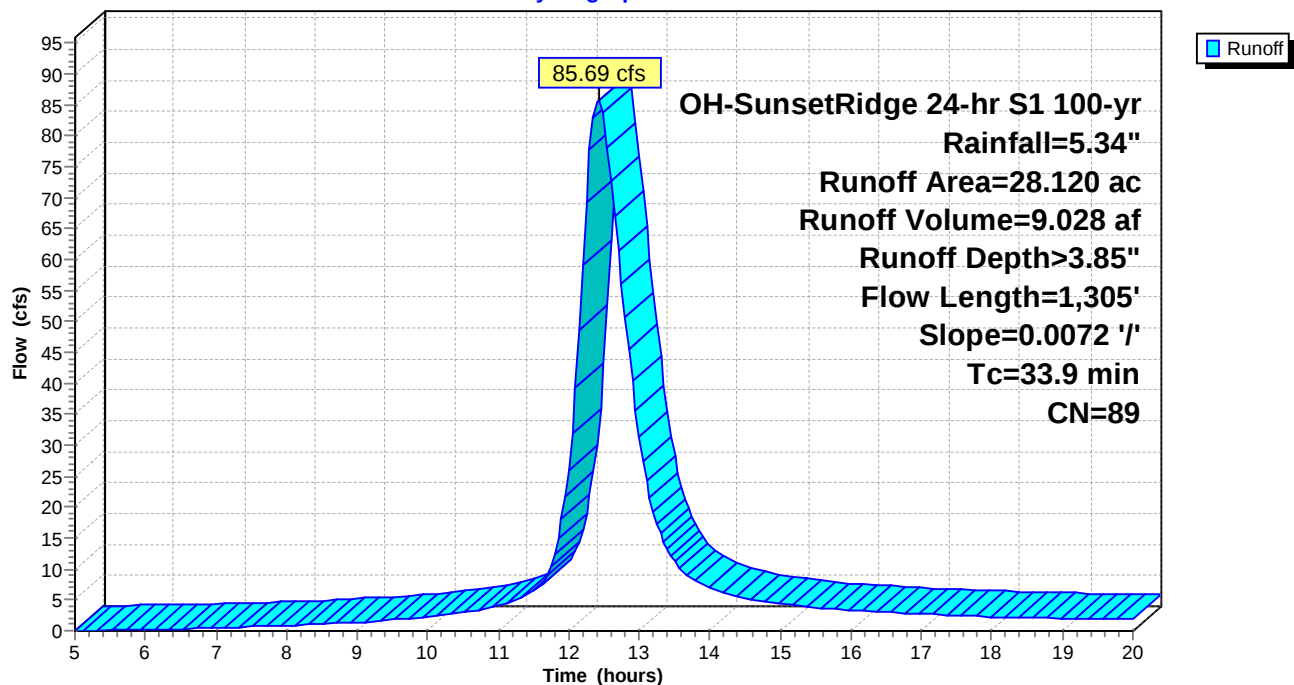
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
28.120	89	Row crops, straight row, Good, HSG D
28.120		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
33.9	1,305	0.0072	0.64		Lag/CN Method,

Subcatchment 6S: DC-06

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 7S: DC-07

Runoff = 39.43 cfs @ 13.02 hrs, Volume= 6.543 af, Depth> 3.50"

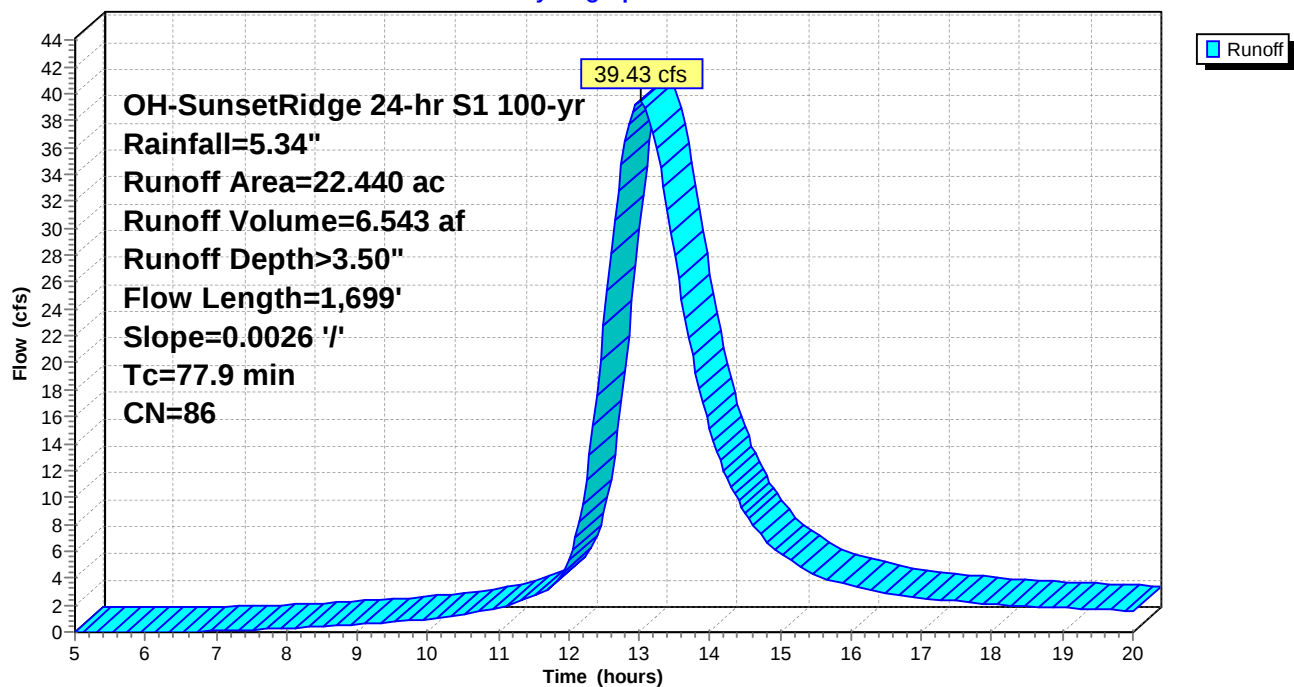
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
16.700	89	Row crops, straight row, Good, HSG D
5.740	77	Woods, Good, HSG D
22.440	86	Weighted Average
22.440		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
77.9	1,699	0.0026	0.36		Lag/CN Method,

Subcatchment 7S: DC-07

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 8S: DC-08

Runoff = 54.44 cfs @ 12.38 hrs, Volume= 5.503 af, Depth> 3.86"

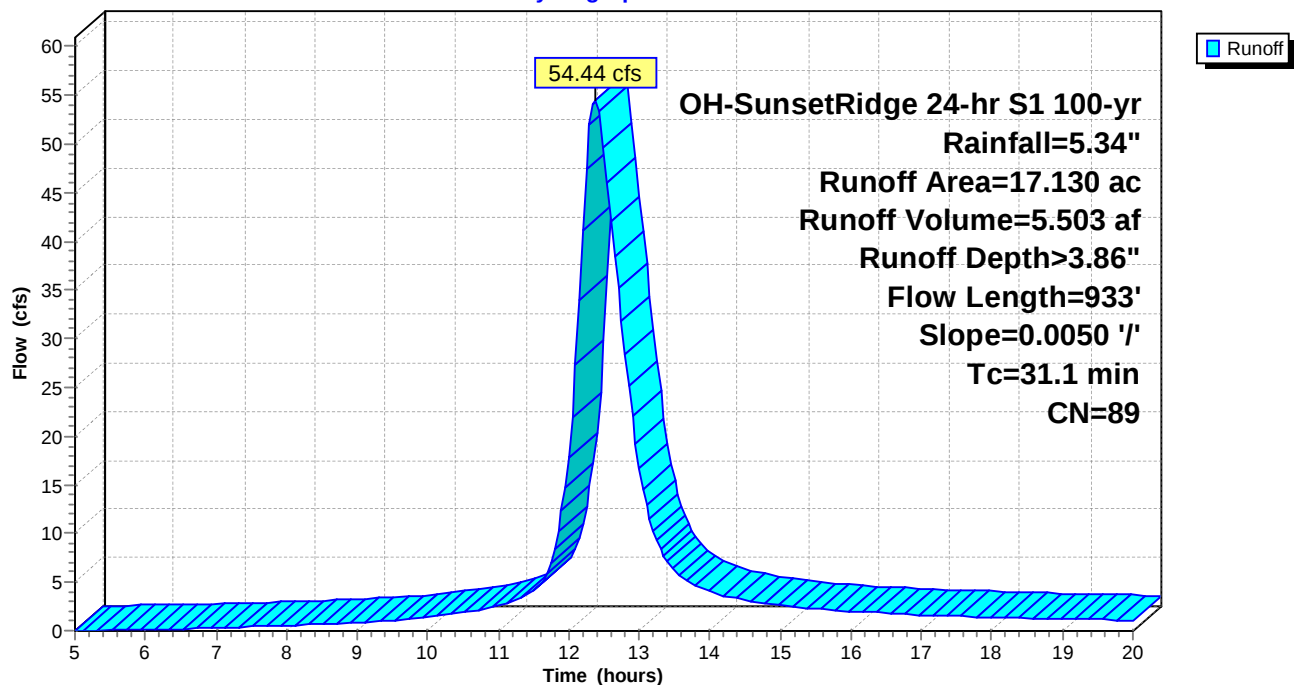
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
17.130	89	Row crops, straight row, Good, HSG D
17.130		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
31.1	933	0.0050	0.50		Lag/CN Method,

Subcatchment 8S: DC-08

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 9S: DC-09

Runoff = 50.00 cfs @ 12.50 hrs, Volume= 5.759 af, Depth> 3.85"

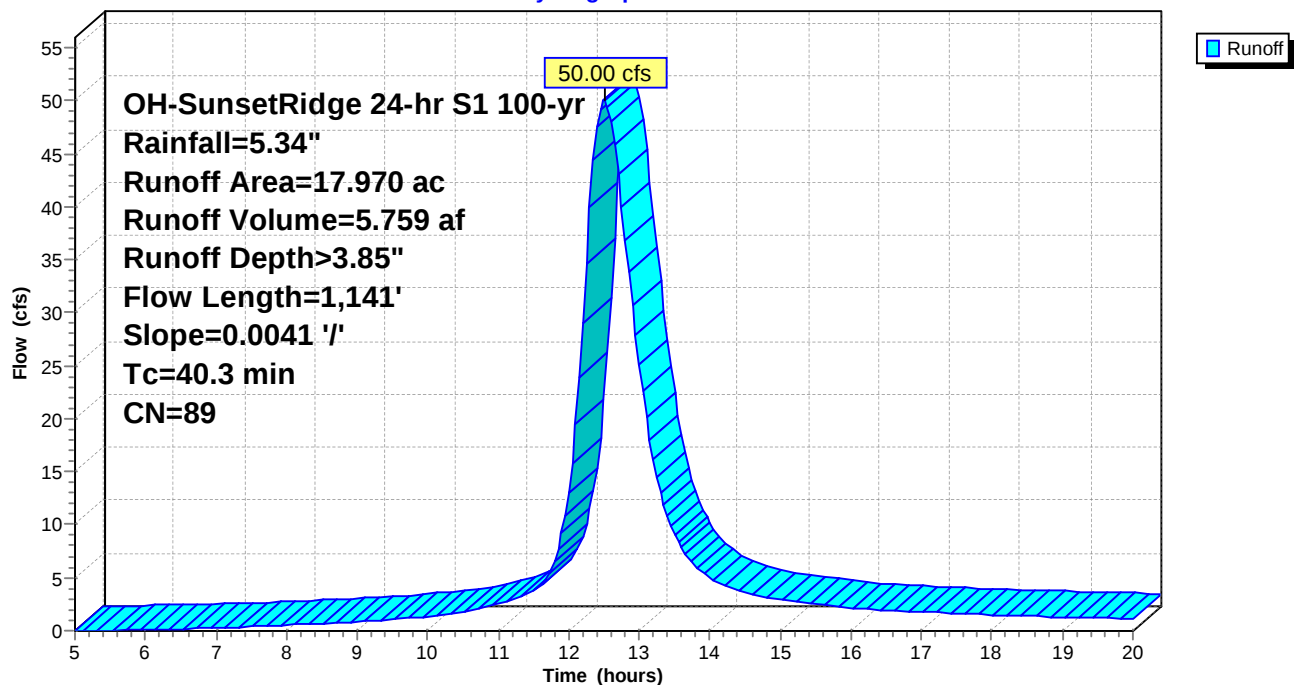
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
17.970	89	Row crops, straight row, Good, HSG D
17.970		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
40.3	1,141	0.0041	0.47		Lag/CN Method,

Subcatchment 9S: DC-09

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 10S: DC-10

Runoff = 66.33 cfs @ 12.11 hrs, Volume= 4.317 af, Depth> 3.87"

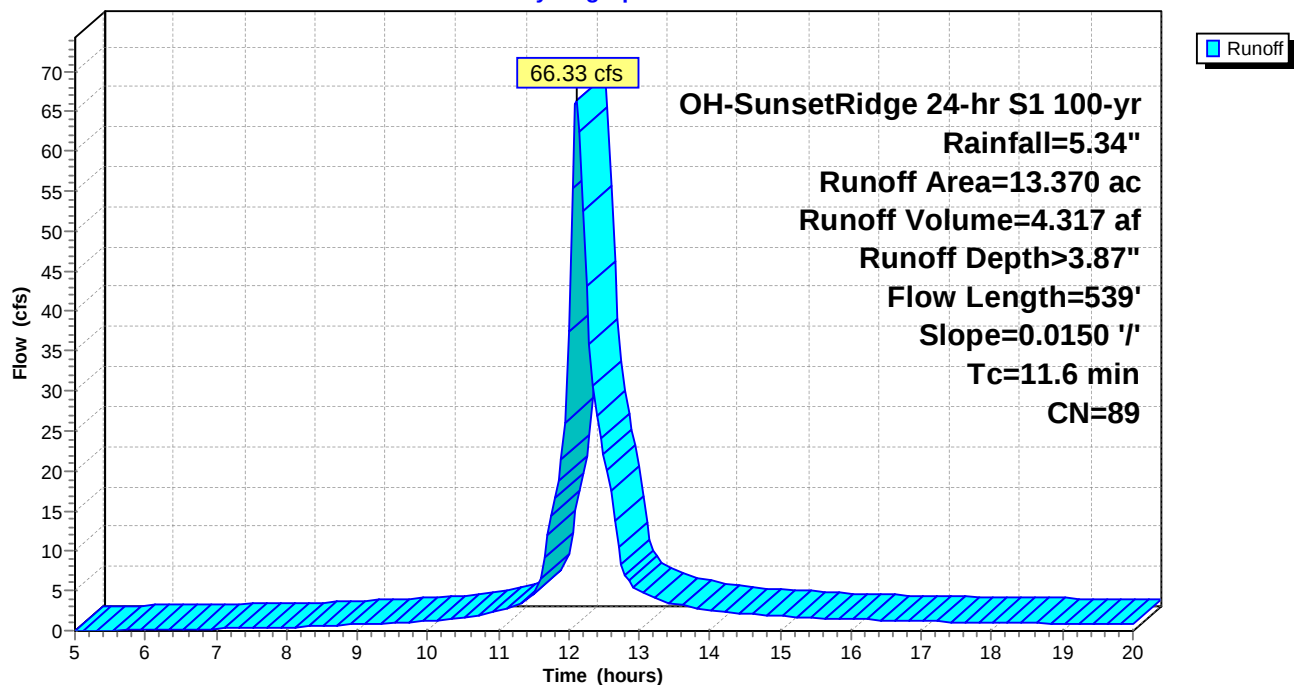
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
13.370	89	Row crops, straight row, Good, HSG D
13.370		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
11.6	539	0.0150	0.78		Lag/CN Method,

Subcatchment 10S: DC-10

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 11S: DC-11

Runoff = 33.83 cfs @ 12.30 hrs, Volume= 3.099 af, Depth> 3.86"

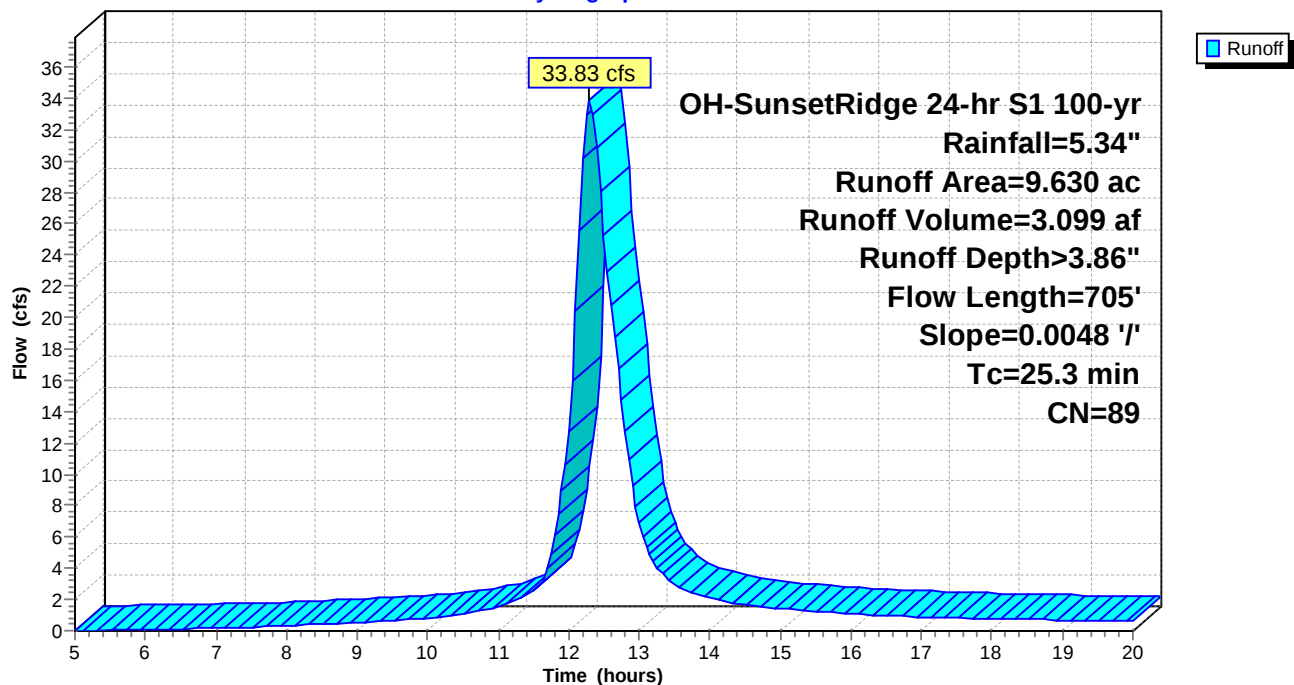
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
9.630	89	Row crops, straight row, Good, HSG D
9.630		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
25.3	705	0.0048	0.46		Lag/CN Method,

Subcatchment 11S: DC-11

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 12S: DC-12

Runoff = 117.87 cfs @ 13.06 hrs, Volume= 20.629 af, Depth> 3.80"

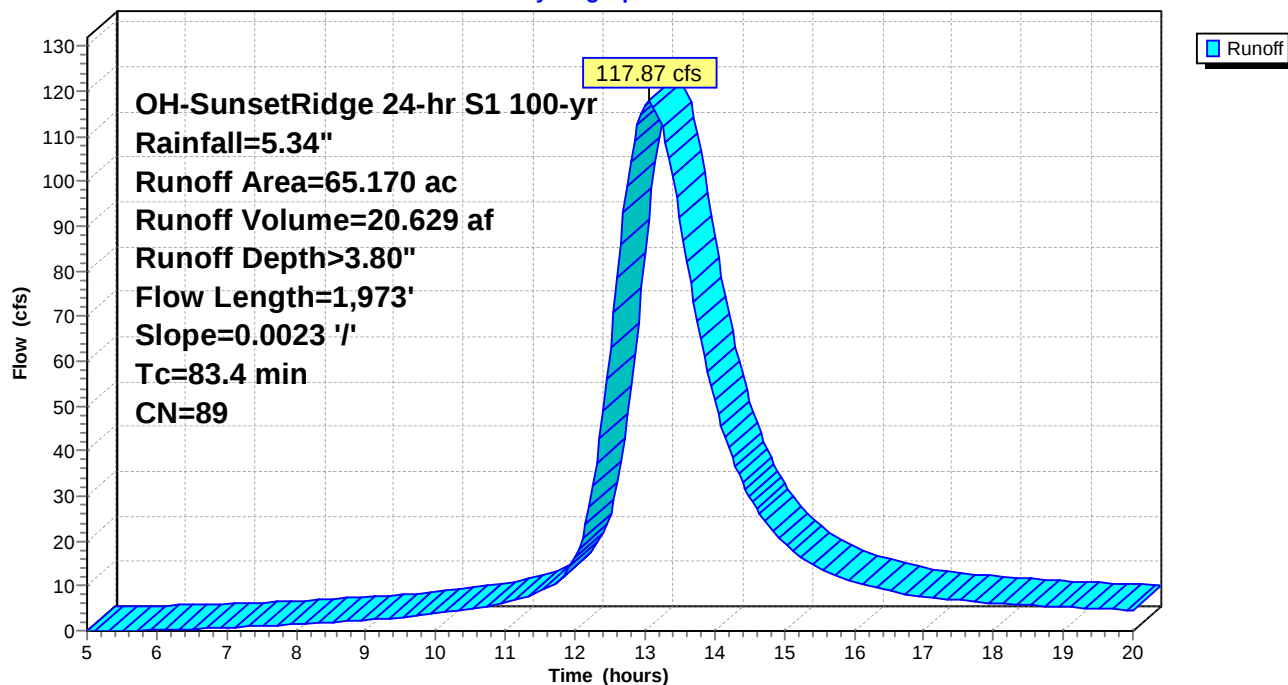
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
65.170	89	Row crops, straight row, Good, HSG D
65.170		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
83.4	1,973	0.0023	0.39		Lag/CN Method,

Subcatchment 12S: DC-12

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 13S: DC-13

Runoff = 33.37 cfs @ 12.12 hrs, Volume= 2.211 af, Depth> 3.87"

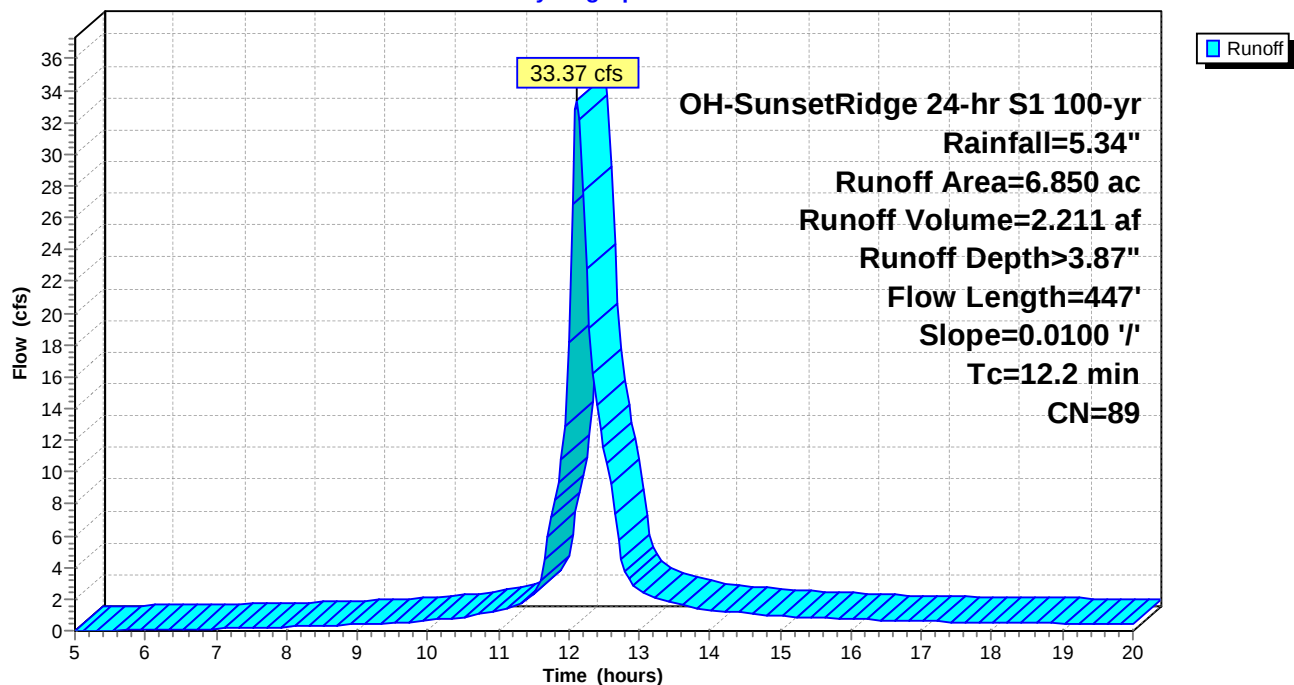
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
6.850	89	Row crops, straight row, Good, HSG D
6.850		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
12.2	447	0.0100	0.61		Lag/CN Method,

Subcatchment 13S: DC-13

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 14S: DC-14

Runoff = 114.67 cfs @ 12.27 hrs, Volume= 10.060 af, Depth> 3.86"

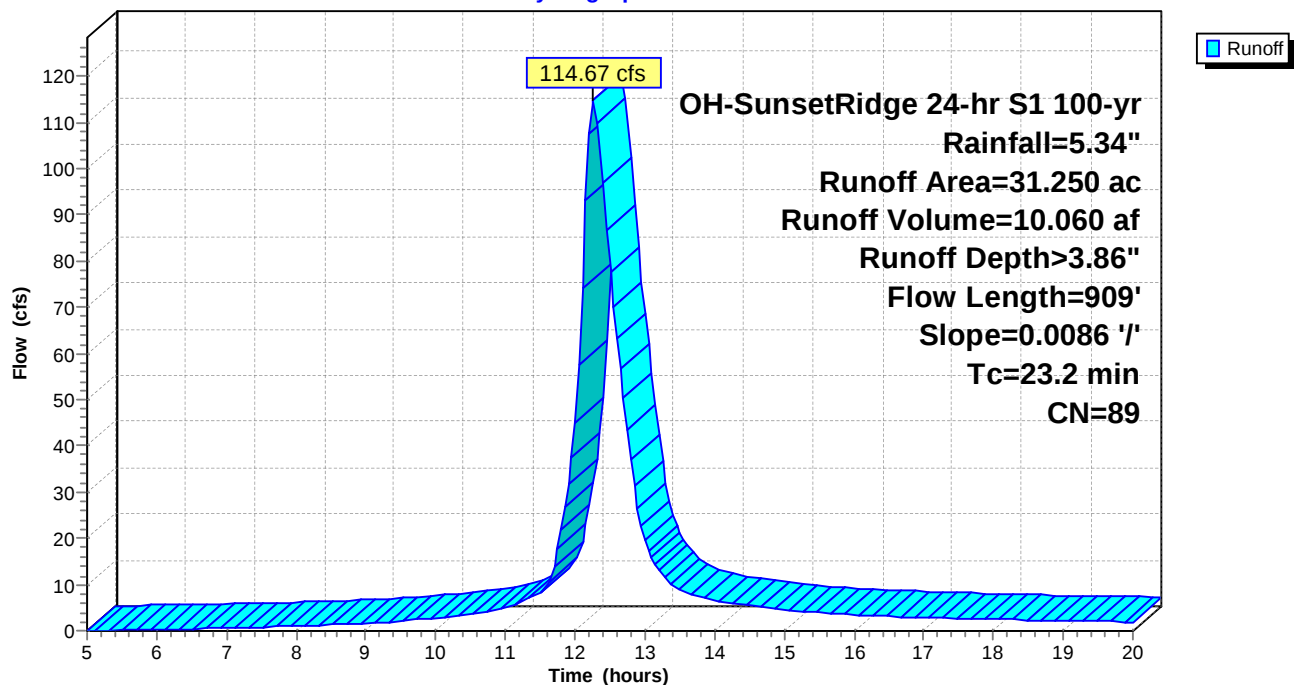
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
31.250	89	Row crops, straight row, Good, HSG D
31.250		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.2	909	0.0086	0.65		Lag/CN Method,

Subcatchment 14S: DC-14

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 15S: DC-15

Runoff = 56.01 cfs @ 12.57 hrs, Volume= 6.853 af, Depth> 3.84"

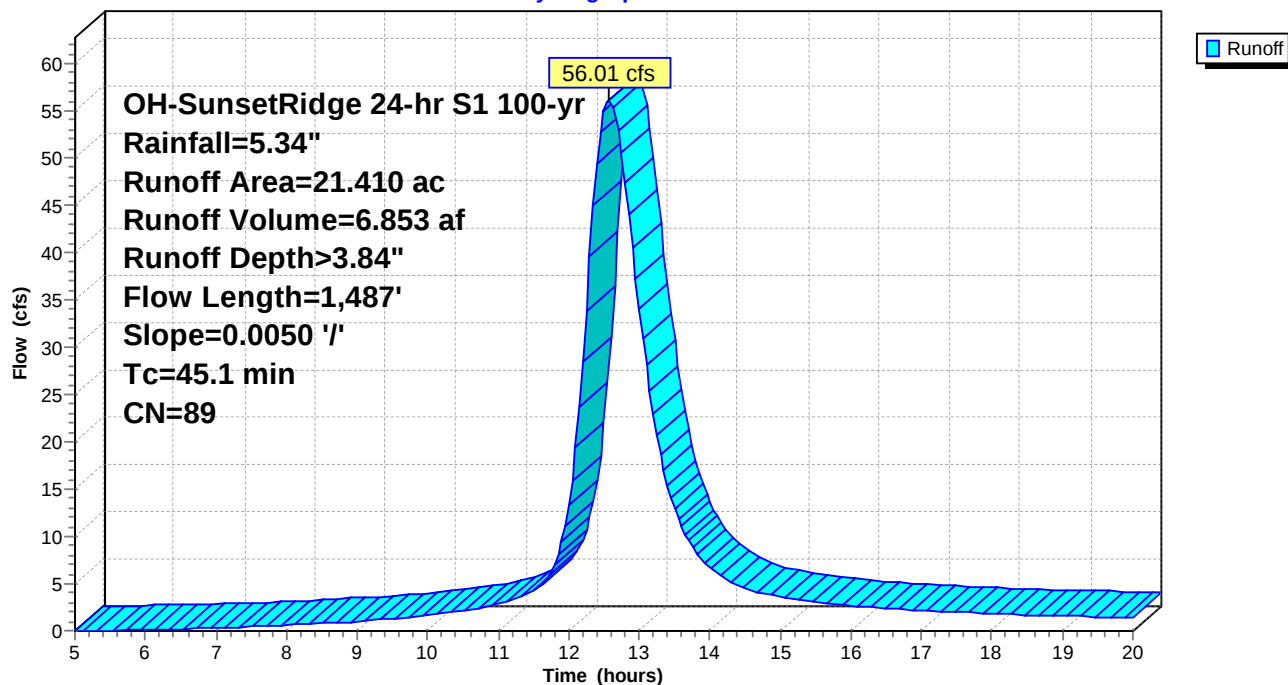
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
21.410	89	Row crops, straight row, Good, HSG D
21.410		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
45.1	1,487	0.0050	0.55		Lag/CN Method,

Subcatchment 15S: DC-15

Hydrograph



Summary for Subcatchment 16S: DC-16

Runoff = 158.41 cfs @ 12.18 hrs, Volume= 12.057 af, Depth> 3.87"

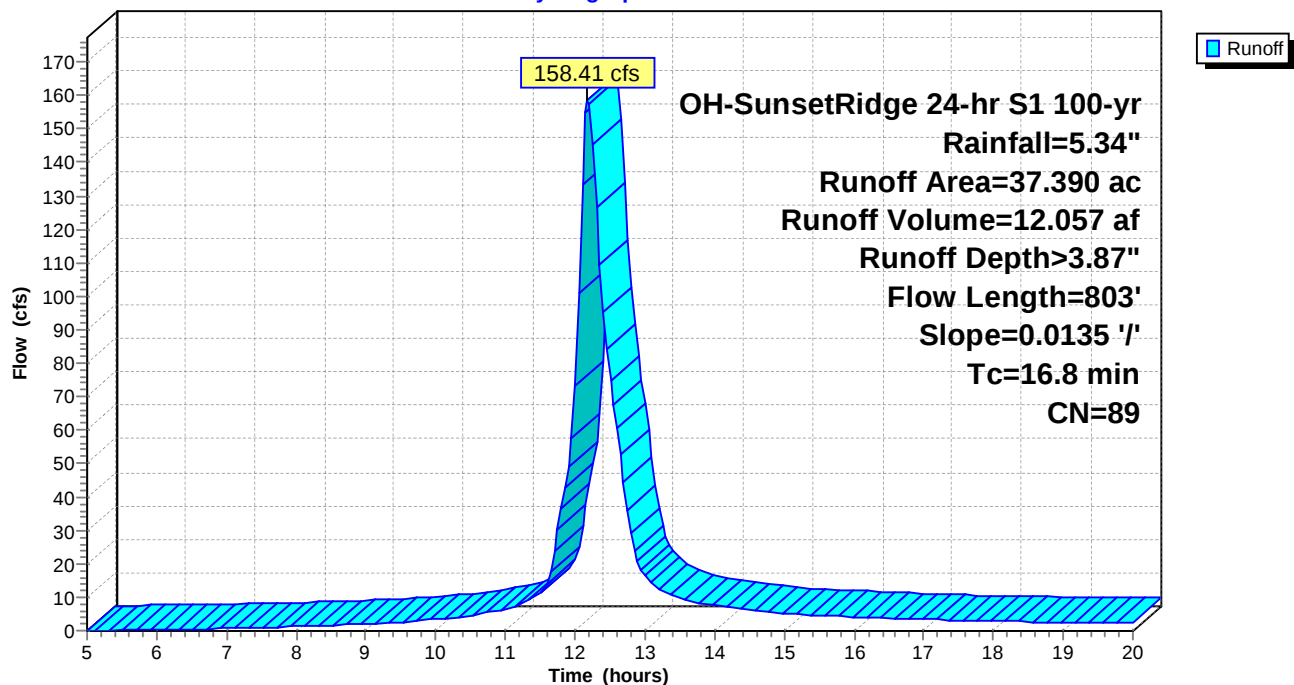
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
37.390	89	Row crops, straight row, Good, HSG D
37.390		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.8	803	0.0135	0.80		Lag/CN Method,

Subcatchment 16S: DC-16

Hydrograph



Summary for Subcatchment 17S: DC-17

Runoff = 38.53 cfs @ 12.25 hrs, Volume= 3.301 af, Depth> 3.86"

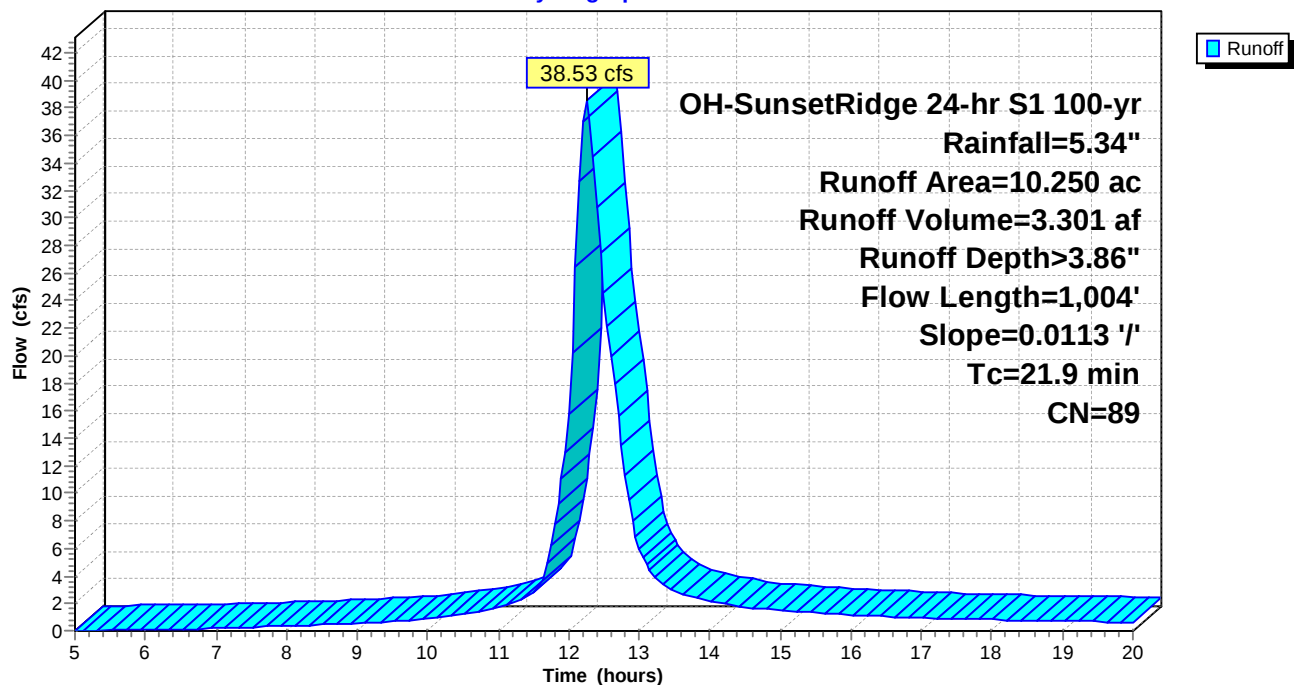
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
10.250	89	Row crops, straight row, Good, HSG D
10.250		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
21.9	1,004	0.0113	0.76		Lag/CN Method,

Subcatchment 17S: DC-17

Hydrograph



Summary for Subcatchment 18S: DC-18

Runoff = 40.80 cfs @ 12.18 hrs, Volume= 3.070 af, Depth> 3.87"

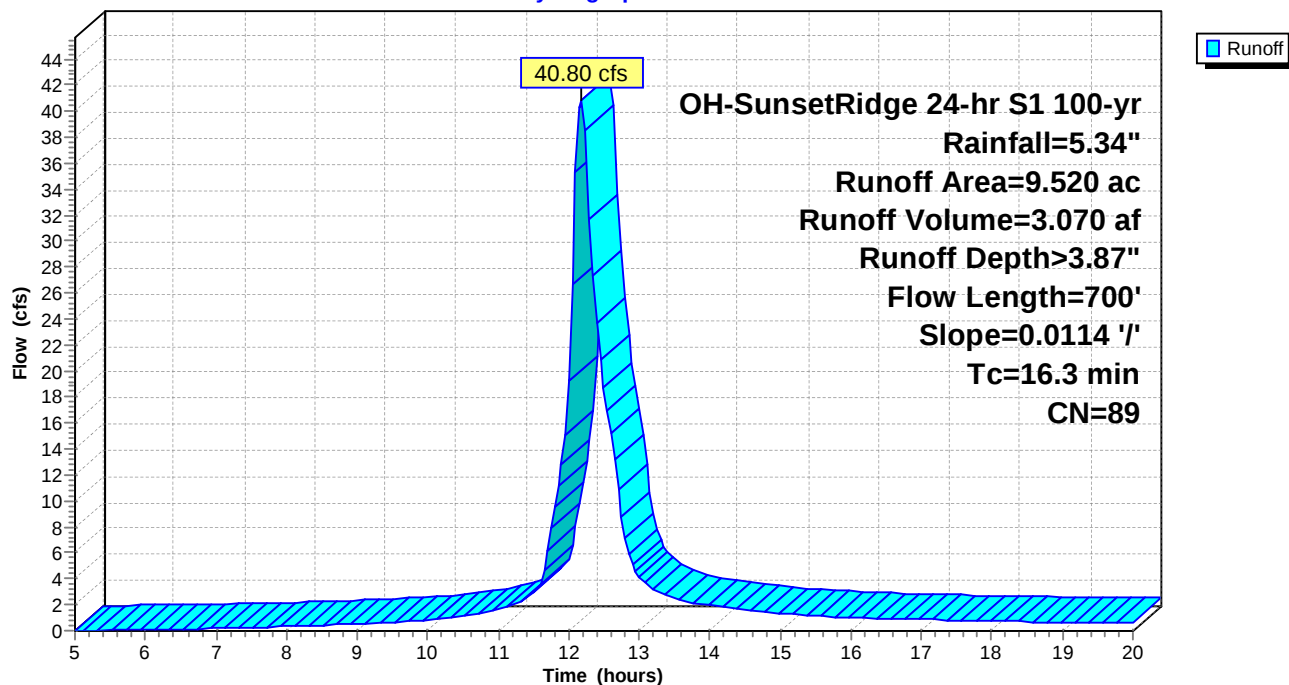
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
9.520	89	Row crops, straight row, Good, HSG D
9.520		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
16.3	700	0.0114	0.71		Lag/CN Method,

Subcatchment 18S: DC-18

Hydrograph



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OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 19S: DC-19

Runoff = 165.78 cfs @ 12.63 hrs, Volume= 21.551 af, Depth> 3.84"

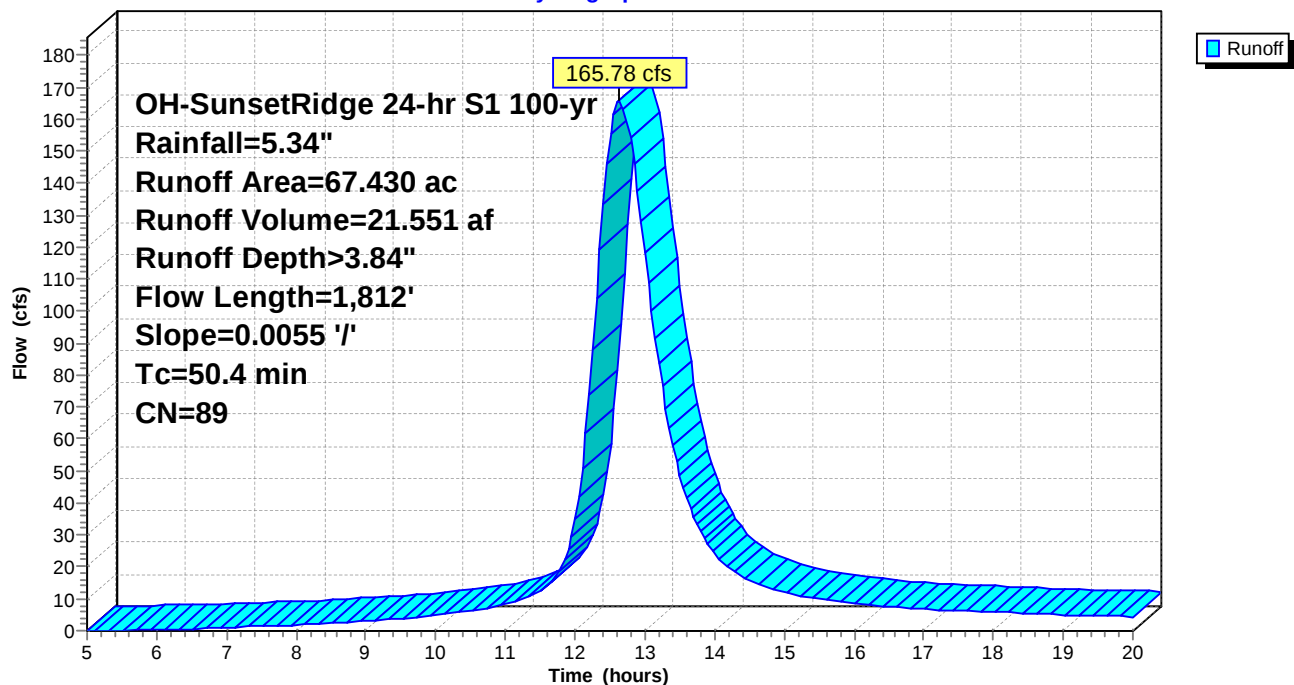
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
67.430	89	Row crops, straight row, Good, HSG D
67.430		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
50.4	1,812	0.0055	0.60		Lag/CN Method,

Subcatchment 19S: DC-19

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 20S: DC-20

Runoff = 275.02 cfs @ 12.91 hrs, Volume= 43.474 af, Depth> 3.81"

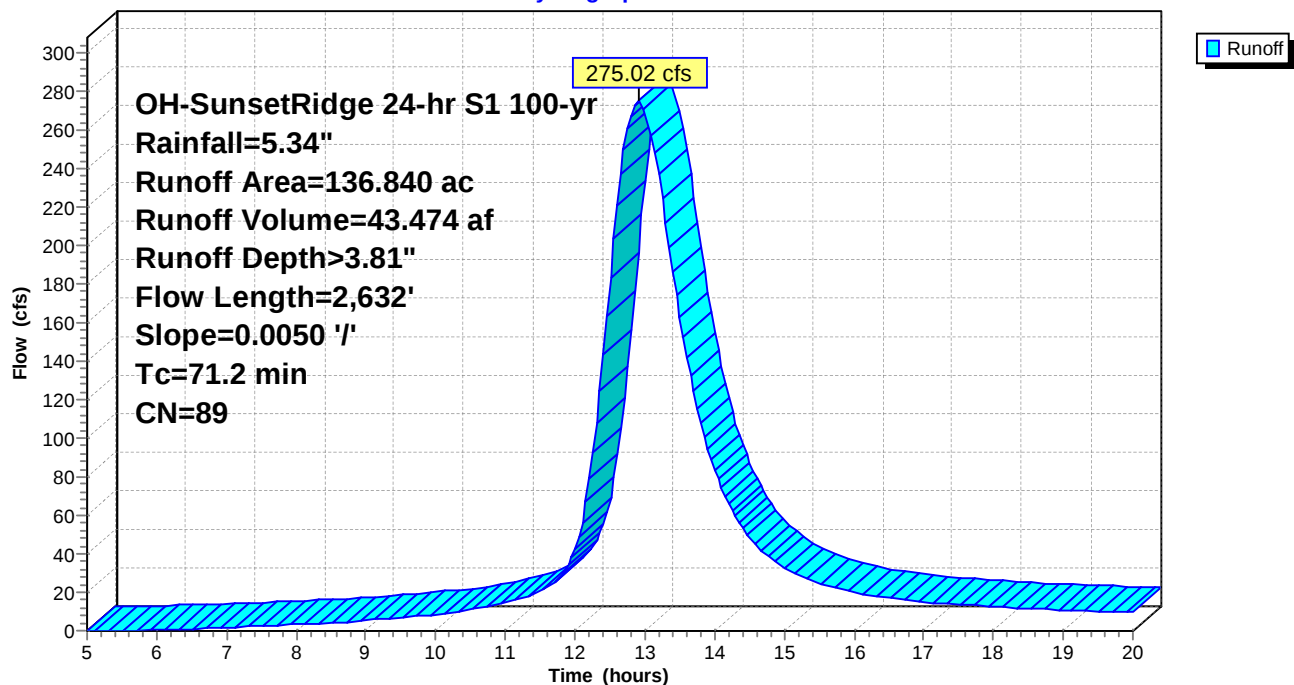
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
136.840	89	Row crops, straight row, Good, HSG D
136.840		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
71.2	2,632	0.0050	0.62		Lag/CN Method,

Subcatchment 20S: DC-20

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 21S: DC-21

Runoff = 11.63 cfs @ 12.15 hrs, Volume= 0.826 af, Depth> 3.87"

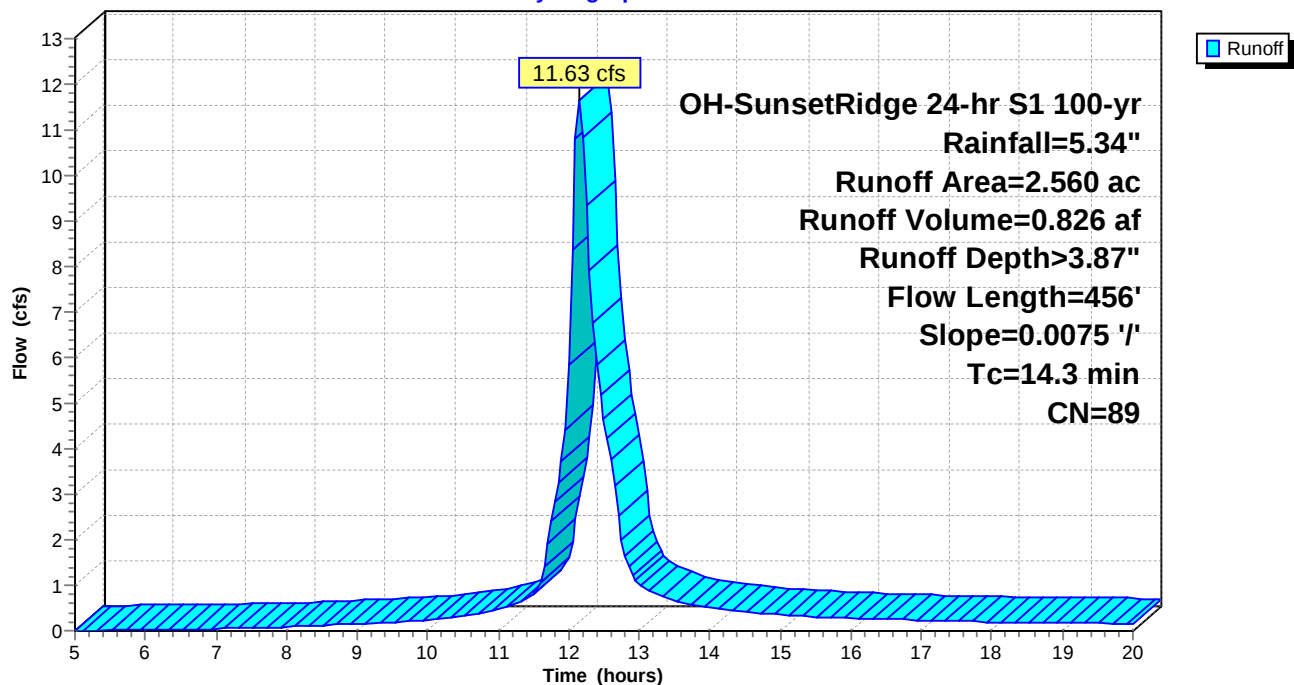
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
2.560	89	Row crops, straight row, Good, HSG D
2.560		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
14.3	456	0.0075	0.53		Lag/CN Method,

Subcatchment 21S: DC-21

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 22S: DC-22

Runoff = 20.35 cfs @ 12.28 hrs, Volume= 1.809 af, Depth> 3.86"

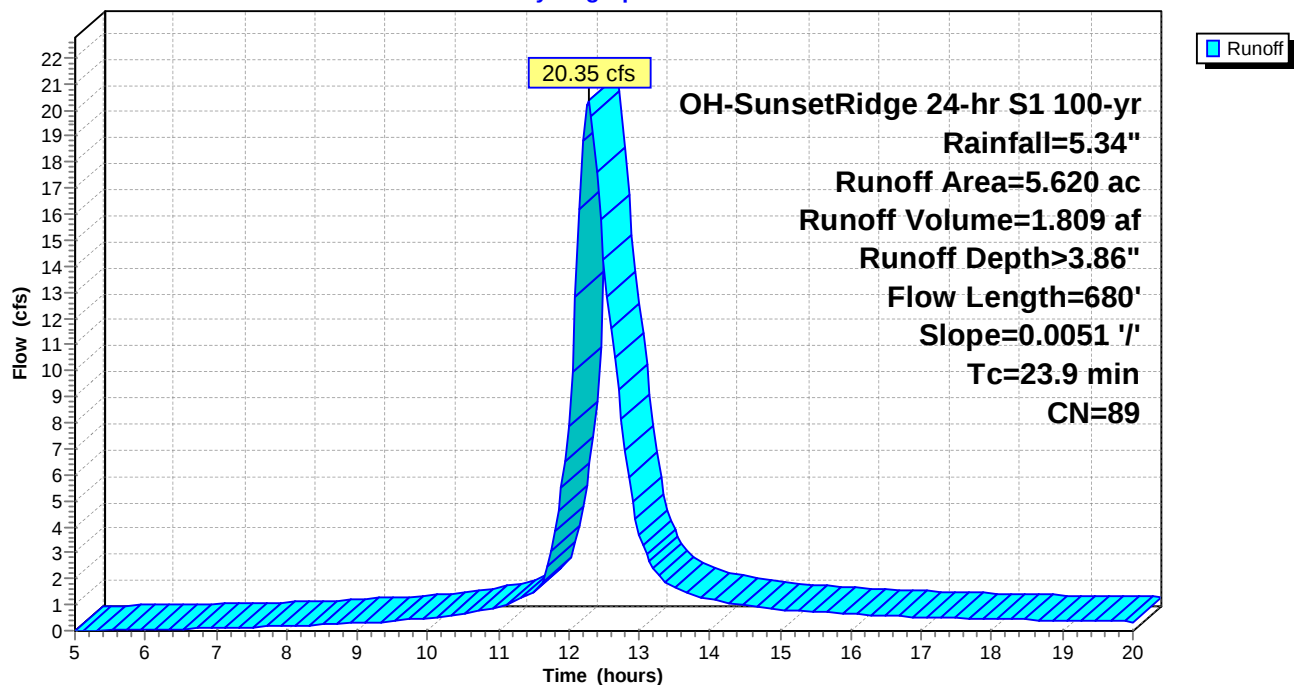
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
5.620	89	Row crops, straight row, Good, HSG D
5.620		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
23.9	680	0.0051	0.47		Lag/CN Method,

Subcatchment 22S: DC-22

Hydrograph



2021-07-12 Pre Post Analysis

OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

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Summary for Subcatchment 23S: DC-23

Runoff = 33.01 cfs @ 12.21 hrs, Volume= 2.627 af, Depth> 3.87"

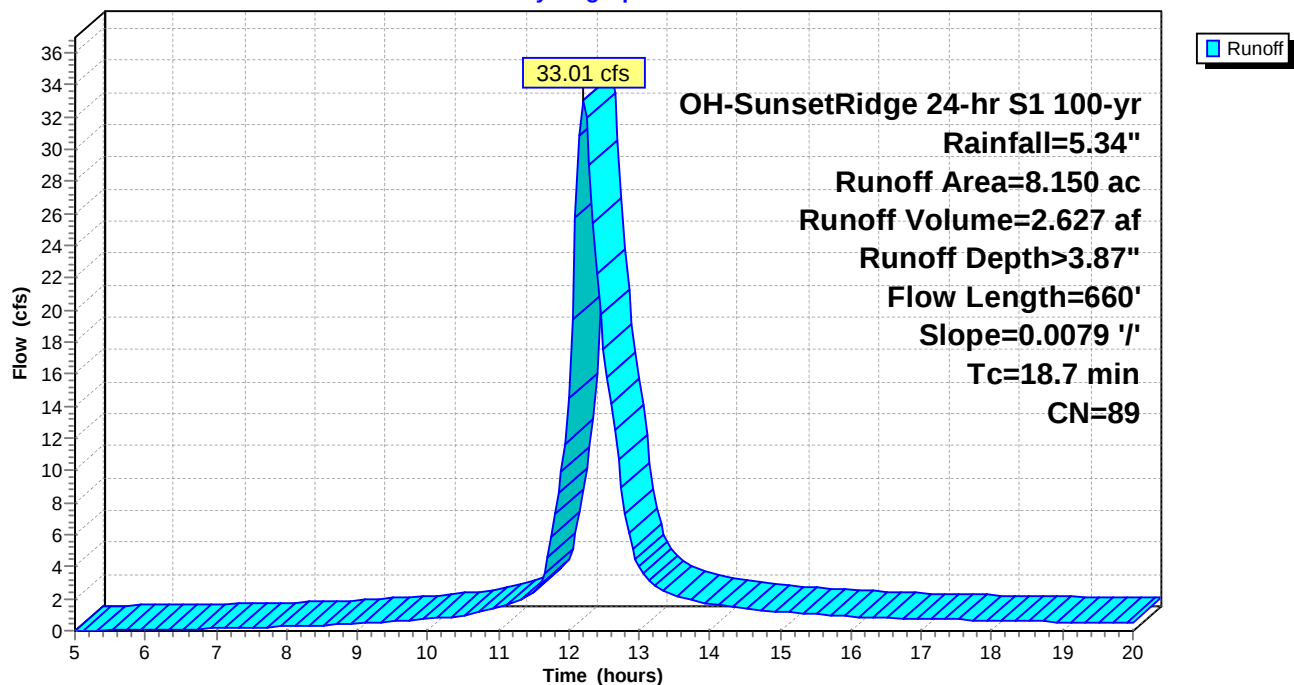
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
OH-SunsetRidge 24-hr S1 100-yr Rainfall=5.34"

Area (ac)	CN	Description
8.150	89	Row crops, straight row, Good, HSG D
8.150		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
18.7	660	0.0079	0.59		Lag/CN Method,

Subcatchment 23S: DC-23

Hydrograph



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in

Case No(s). 21-0669-EL-BGN

Summary: Application Appendix E – Stormwater Management Report Part 4 of 7 electronically filed by Ms. Megan Zemke on behalf of Borchers, Dylan F