

Hydrograph Report

Hydrology Studio v 3.0.0.32

29
Project Name:

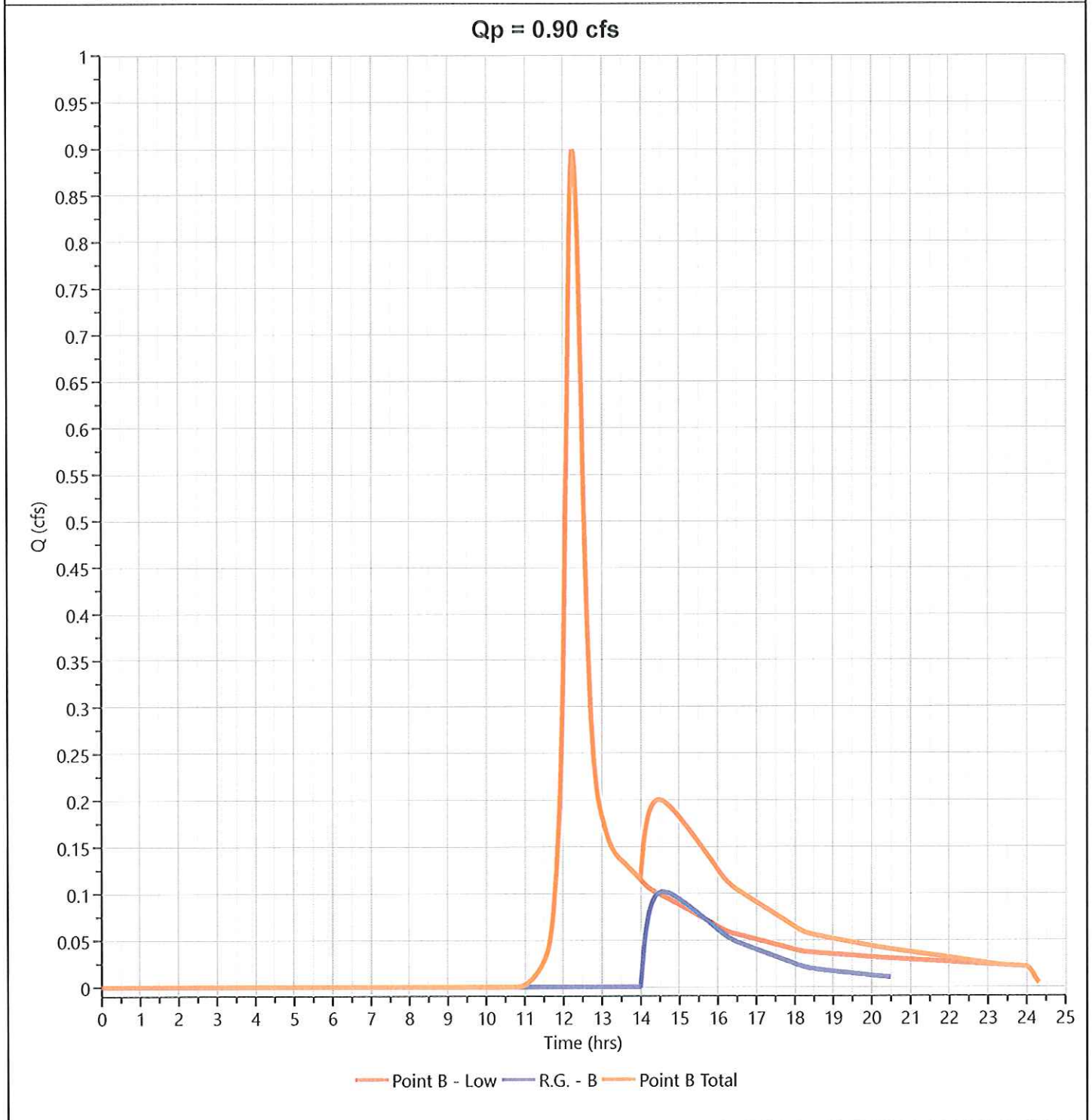
07-22-2024

Post Point B Total

Hyd. No. 9

Hydrograph Type = Junction
Storm Frequency = 10-yr
Time Interval = 2 min
Inflow Hydrographs = 7, 8

Peak Flow = 0.899 cfs
Time to Peak = 12.23 hrs
Hydrograph Volume = 5,325 cuft
Total Contrib. Area = 0.75 ac



Hydrograph Report

Hydrology Studio v 3.0.0.32

30
Project Name:

07-22-2024

Pre Point C

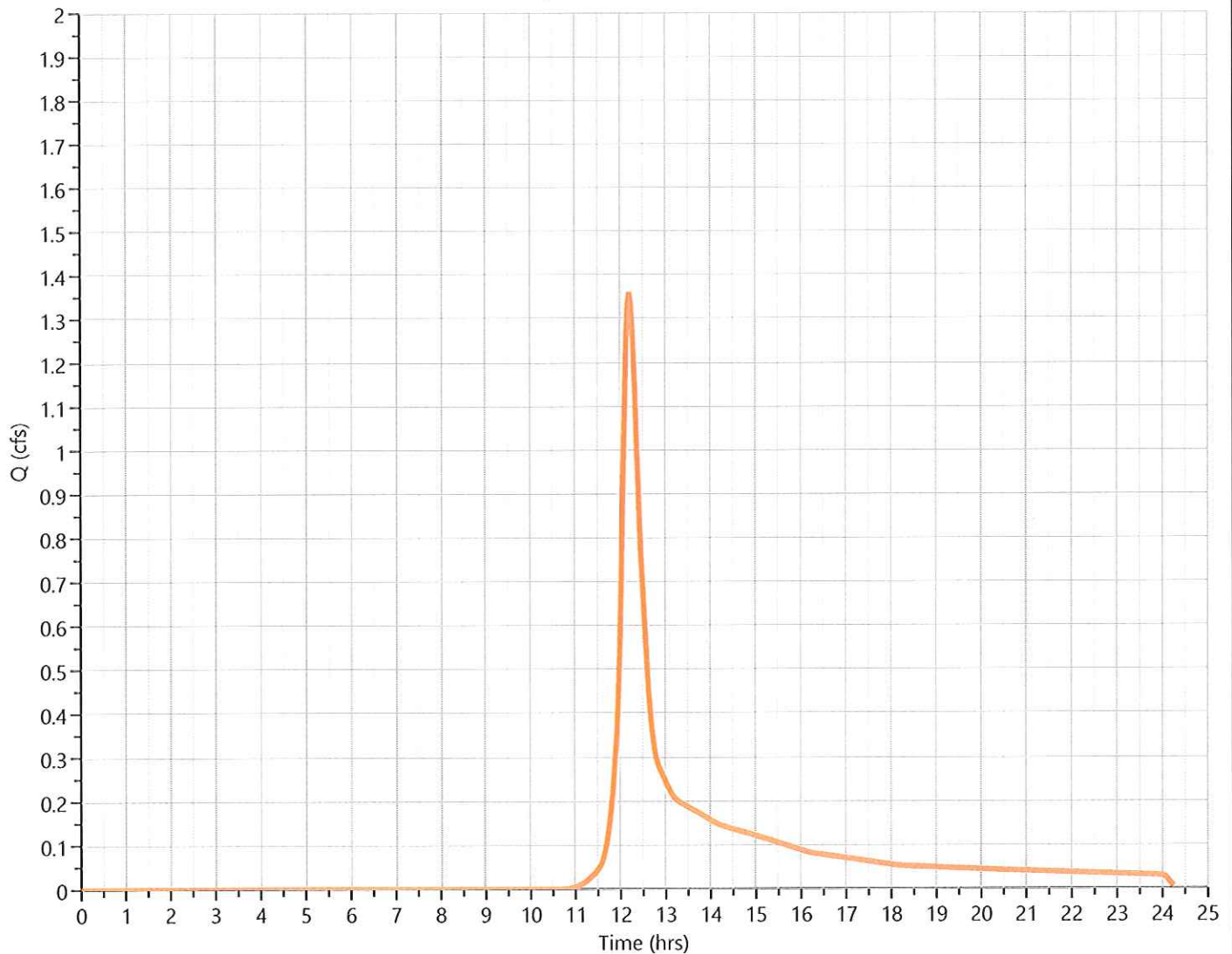
Hyd. No. 5

Hydrograph Type	= NRCS Runoff	Peak Flow	= 1.361 cfs
Storm Frequency	= 10-yr	Time to Peak	= 12.20 hrs
Time Interval	= 2 min	Runoff Volume	= 5,907 cuft
Drainage Area	= 1.07 ac	Curve Number	= 63*
Tc Method	= TR55	Time of Conc. (Tc)	= 14.57 min
Total Rainfall	= 5.08 in	Design Storm	= Type III
Storm Duration	= 24 hrs	Shape Factor	= 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.82	60	Soil B / Woods
0.06	70	Soil C / Brush
0.19	73	Soil C / Woods
1.07	63	Weighted CN Method Employed

Qp = 1.36 cfs



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point C-Up

Hyd. No. 6

Hydrograph Type = NRCS Runoff

Peak Flow = 1.736 cfs

Storm Frequency = 10-yr

Time to Peak = 12.10 hrs

Time Interval = 2 min

Runoff Volume = 6,116 cuft

Drainage Area = 0.87 ac

Curve Number = 68*

Tc Method = TR55

Time of Conc. (Tc) = 8.98 min

Total Rainfall = 5.08 in

Design Storm = Type III

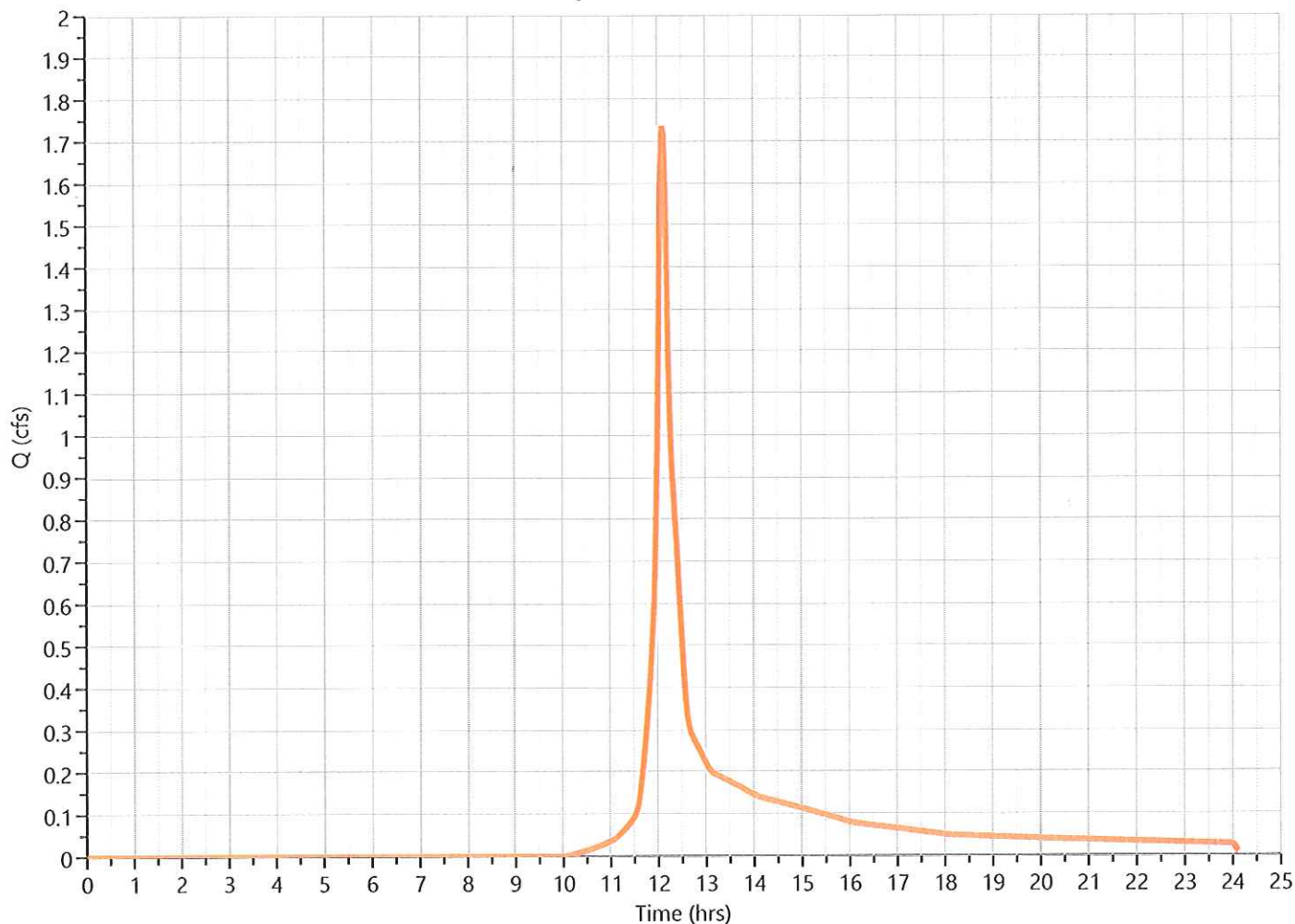
Storm Duration = 24 hrs

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.11	98	Bit
0.44	61	Soil B / Lawn
0.12	60	Soil B / Woods
0.12	74	Soil C / Lawn
0.06	70	Soil C / Brush
0.02	73	Soil C / Woods
0.87	68	Weighted CN Method Employed

$Q_p = 1.74 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Post C - Low

Hyd. No. 10

Hydrograph Type = NRCS Runoff

Peak Flow = 0.392 cfs

Storm Frequency = 10-yr

Time to Peak = 12.17 hrs

Time Interval = 2 min

Runoff Volume = 1,665 cuft

Drainage Area = 0.33 ac

Curve Number = 60*

Tc Method = TR55

Time of Conc. (Tc) = 11.26 min

Total Rainfall = 5.08 in

Design Storm = Type III

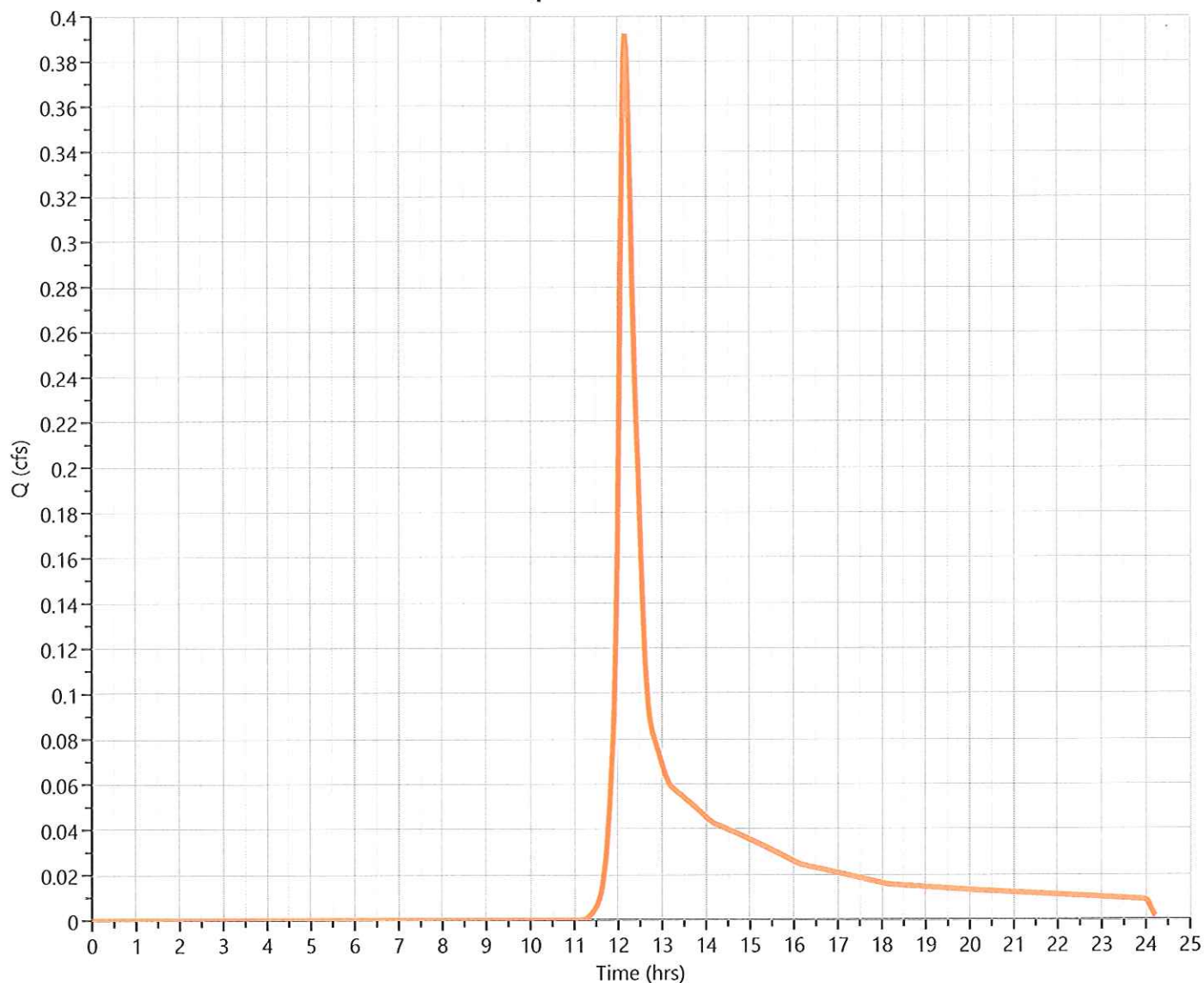
Storm Duration = 24 hrs

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.33	60	Soil B / Woods
0.33	60	Weighted CN Method Employed

$Q_p = 0.39 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point C Total

Hyd. No. 12

Hydrograph Type = Junction

Storm Frequency = 10-yr

Time Interval = 2 min

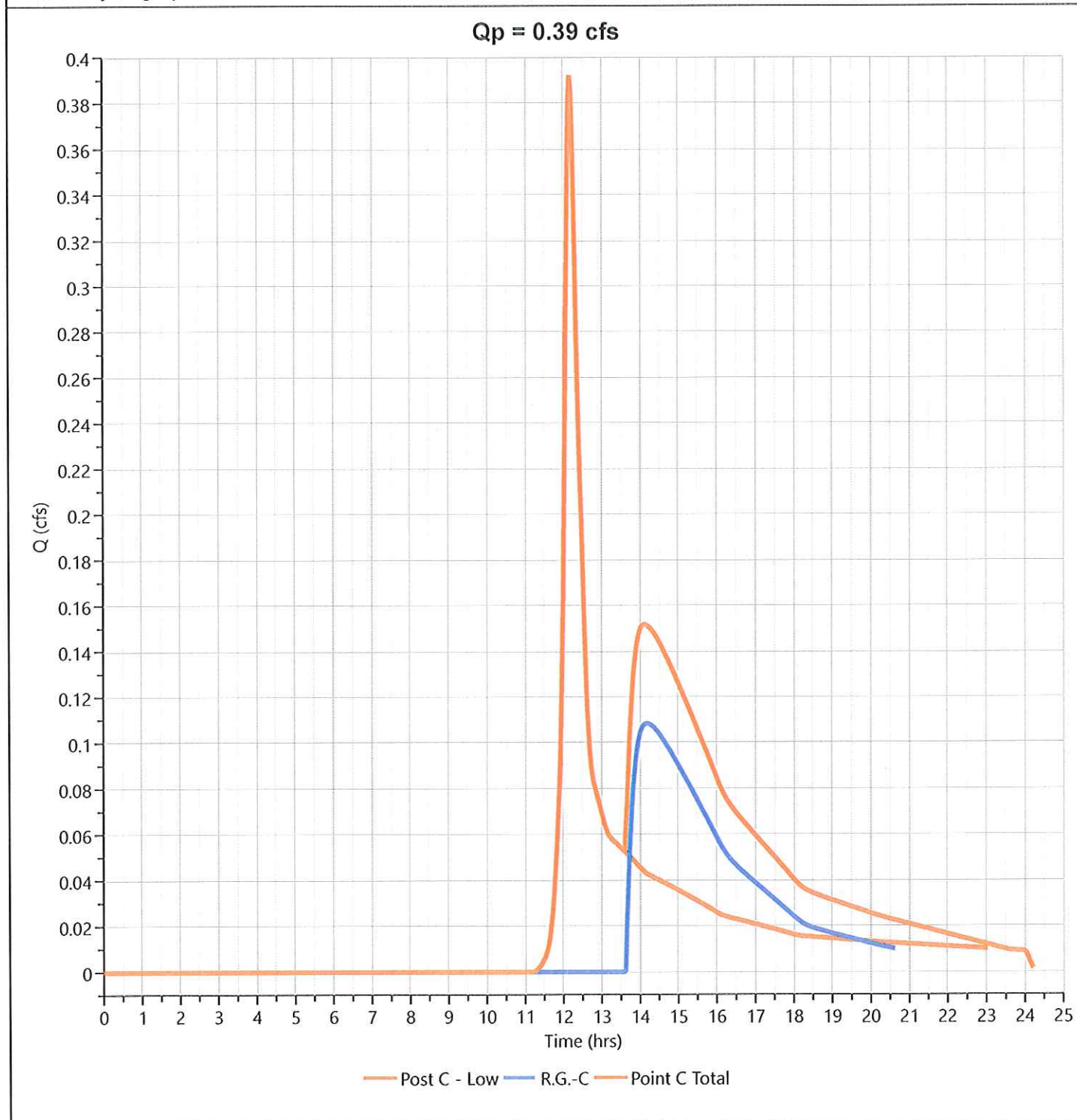
Inflow Hydrographs = 10, 11

Peak Flow = 0.392 cfs

Time to Peak = 12.17 hrs

Hydrograph Volume = 2,882 cuft

Total Contrib. Area = 0.33 ac



Hydrograph 25-yr Summary

Hydrology Studio v 3.0.0.32

07-22-2024

Hyd. No.	Hydrograph Type	Hydrograph Name	Peak Flow (cfs)	Time to Peak (hrs)	Hydrograph Volume (cuft)	Inflow Hyd(s)	Maximum Elevation (ft)	Maximum Storage (cuft)
1	NRCS Runoff	Pre Point A	1.492	12.20	6,400	----		
2	NRCS Runoff	Post Point A	1.255	12.23	5,761	----		
3	NRCS Runoff	Pre Point B	2.802	12.20	11,845	----		
4	NRCS Runoff	Post Point B-Up	2.277	12.17	8,877	----		
5	NRCS Runoff	Pre Point C	2.024	12.20	8,508	----		
6	NRCS Runoff	Post Point C-Up	2.465	12.10	8,520	----		
7	NRCS Runoff	Post Point B - Low	1.341	12.23	6,116	----		
8	Pond Route	R.G. - B	0.525	12.63	3,558	4	453.39	4,090
9	Junction	Post Point B Total	1.341	12.23	9,674	7, 8		
10	NRCS Runoff	Post Post C - Low	0.607	12.17	2,455	----		
11	Pond Route	R.G.-C	0.468	12.60	3,554	6	443.35	3,909
12	Junction	Post Point C Total	0.679	12.53	6,009	10, 11		

Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Pre Point A

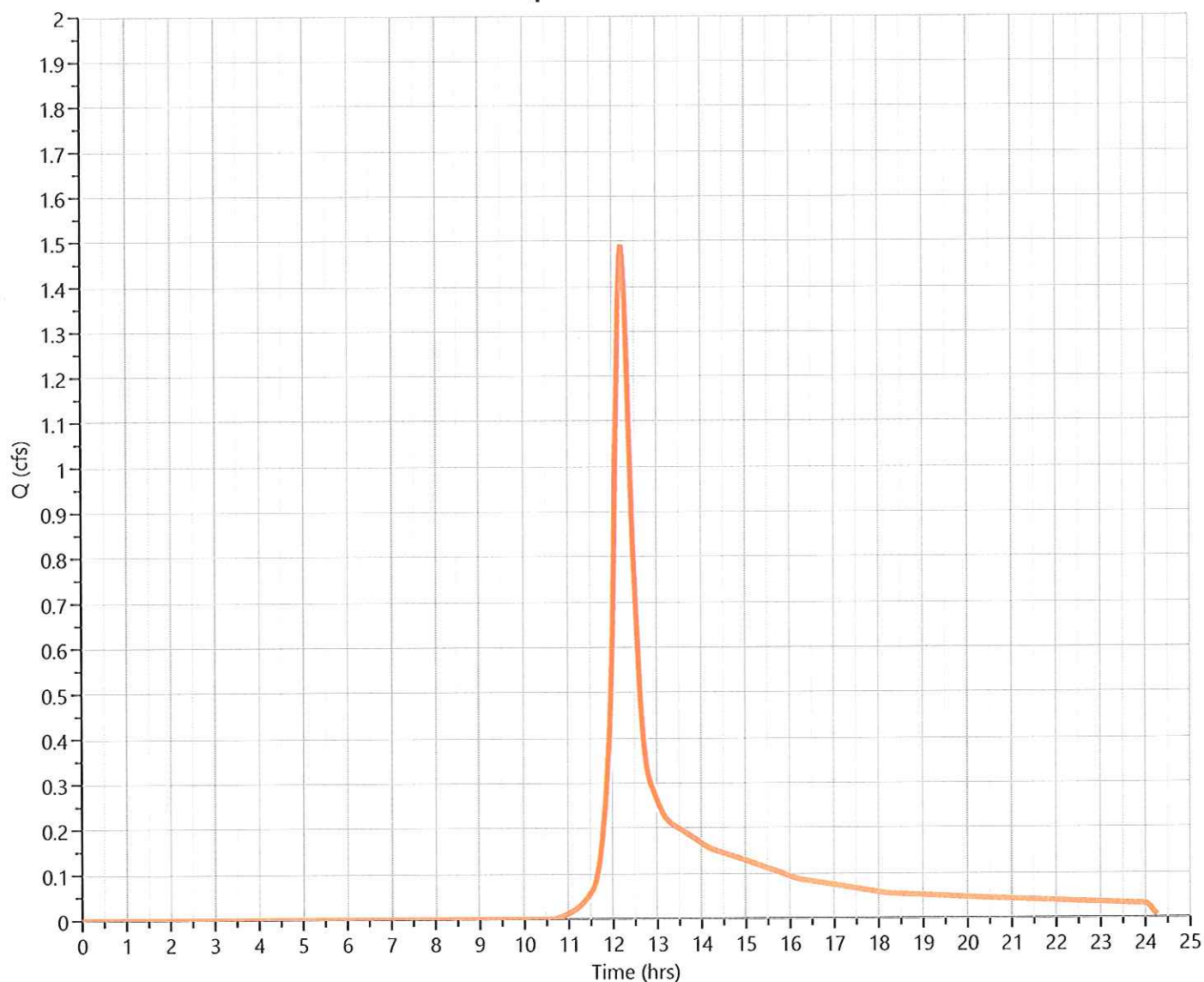
Hyd. No. 1

Hydrograph Type	= NRCS Runoff	Peak Flow	= 1.492 cfs
Storm Frequency	= 25-yr	Time to Peak	= 12.20 hrs
Time Interval	= 2 min	Runoff Volume	= 6,400 cuft
Drainage Area	= 0.91 ac	Curve Number	= 60*
Tc Method	= TR55	Time of Conc. (Tc)	= 14.84 min
Total Rainfall	= 6.10 in	Design Storm	= Type III
Storm Duration	= 24 hrs	Shape Factor	= 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.91	60	Soil B/Wooded
0.91	60	Weighted CN Method Employed

$Q_p = 1.49 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

36
Project Name:

07-22-2024

Post Point A

Hyd. No. 2

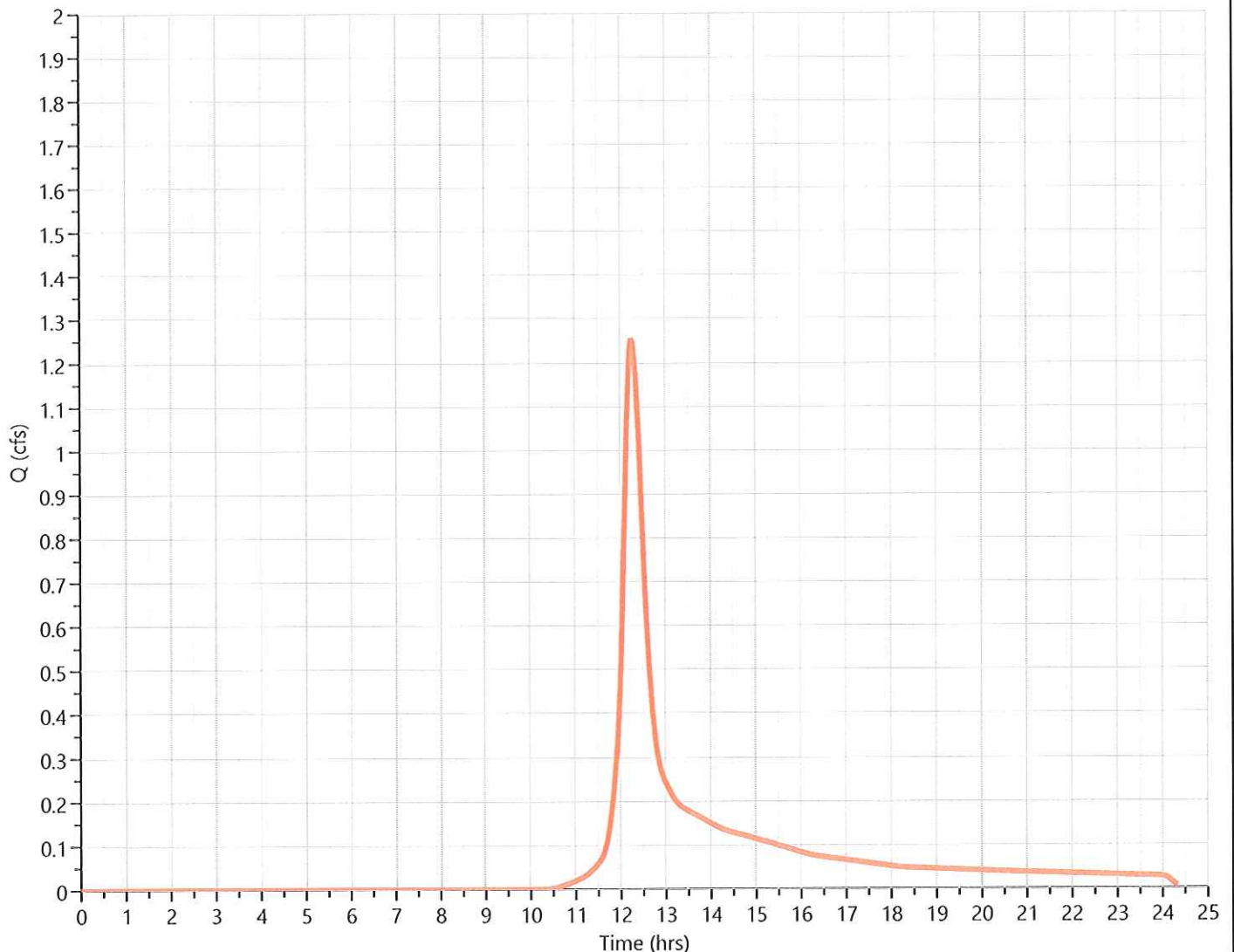
Hydrograph Type = NRCS Runoff
Storm Frequency = 25-yr
Time Interval = 2 min
Drainage Area = 0.735 ac
Tc Method = TR55
Total Rainfall = 6.10 in
Storm Duration = 24 hrs

Peak Flow = 1.255 cfs
Time to Peak = 12.23 hrs
Runoff Volume = 5,761 cuft
Curve Number = 62*
Time of Conc. (Tc) = 18.77 min
Design Storm = Type III
Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.025	98	Roof
0.38	61	Soil B / Grass
0.33	60	Soil B / Wooded
0.735	62	Weighted CN Method Employed

Qp = 1.26 cfs



Hydrograph Report

Hydrology Studio v 3.0.0.32

37
Project Name:

07-22-2024

Pre Point B

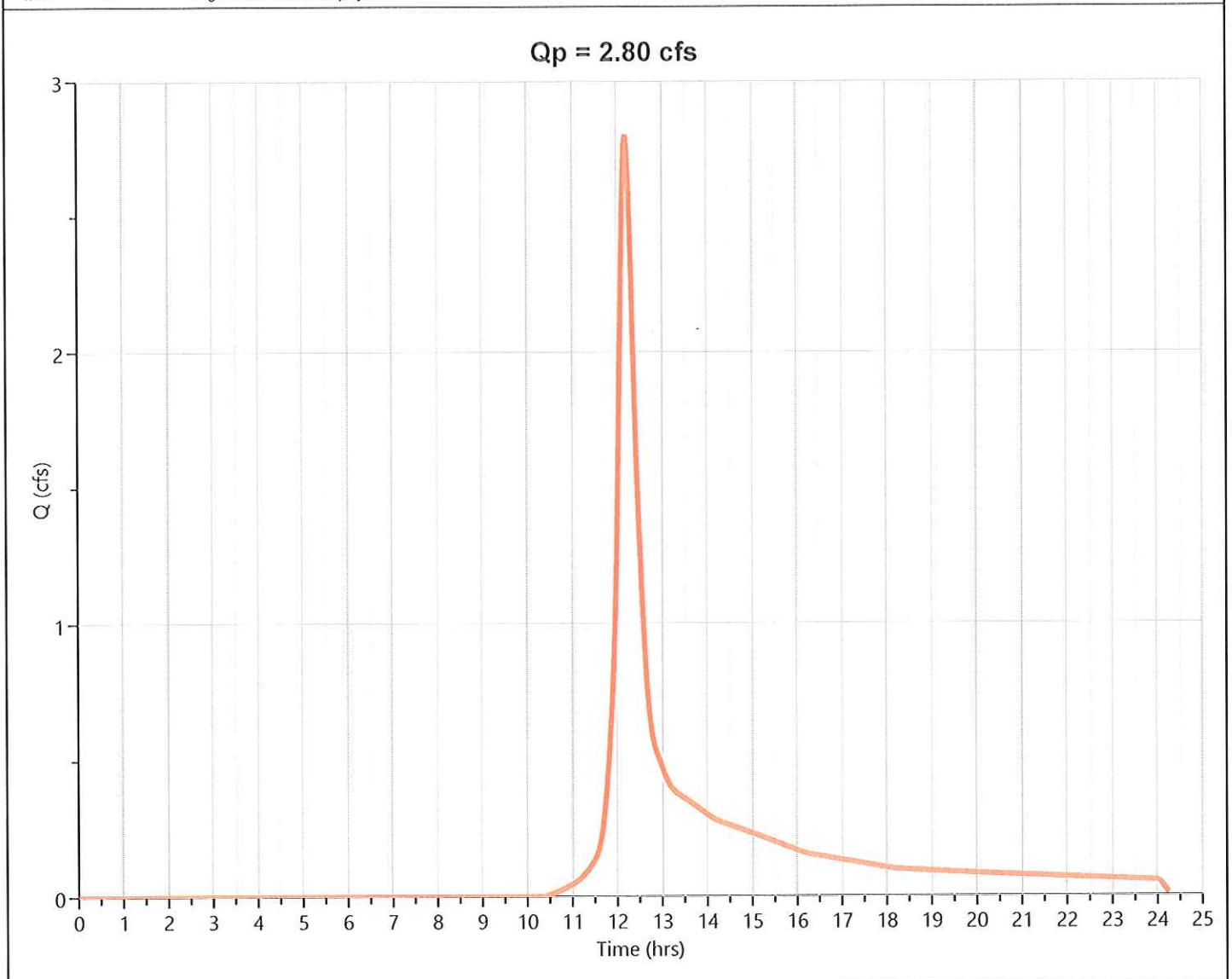
Hyd. No. 3

Hydrograph Type = NRCS Runoff
Storm Frequency = 25-yr
Time Interval = 2 min
Drainage Area = 1.55 ac
Tc Method = TR55
Total Rainfall = 6.10 in
Storm Duration = 24 hrs

Peak Flow = 2.802 cfs
Time to Peak = 12.20 hrs
Runoff Volume = 11,845 cuft
Curve Number = 62*
Time of Conc. (Tc) = 16.28 min
Design Storm = Type III
Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.01	98	Bit / Roof
1.23	60	Soil B / Woods
0.08	56	Soil B / Brush
0.23	70	Soil C / Woods
1.55	62	Weighted CN Method Employed



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point B-Up

Hyd. No. 4

Hydrograph Type = NRCS Runoff

Peak Flow = 2.277 cfs

Storm Frequency = 25-yr

Time to Peak = 12.17 hrs

Time Interval = 2 min

Runoff Volume = 8,877 cuft

Drainage Area = 0.91 ac

Curve Number = 67*

Tc Method = TR55

Time of Conc. (Tc) = 12.7 min

Total Rainfall = 6.10 in

Design Storm = Type III

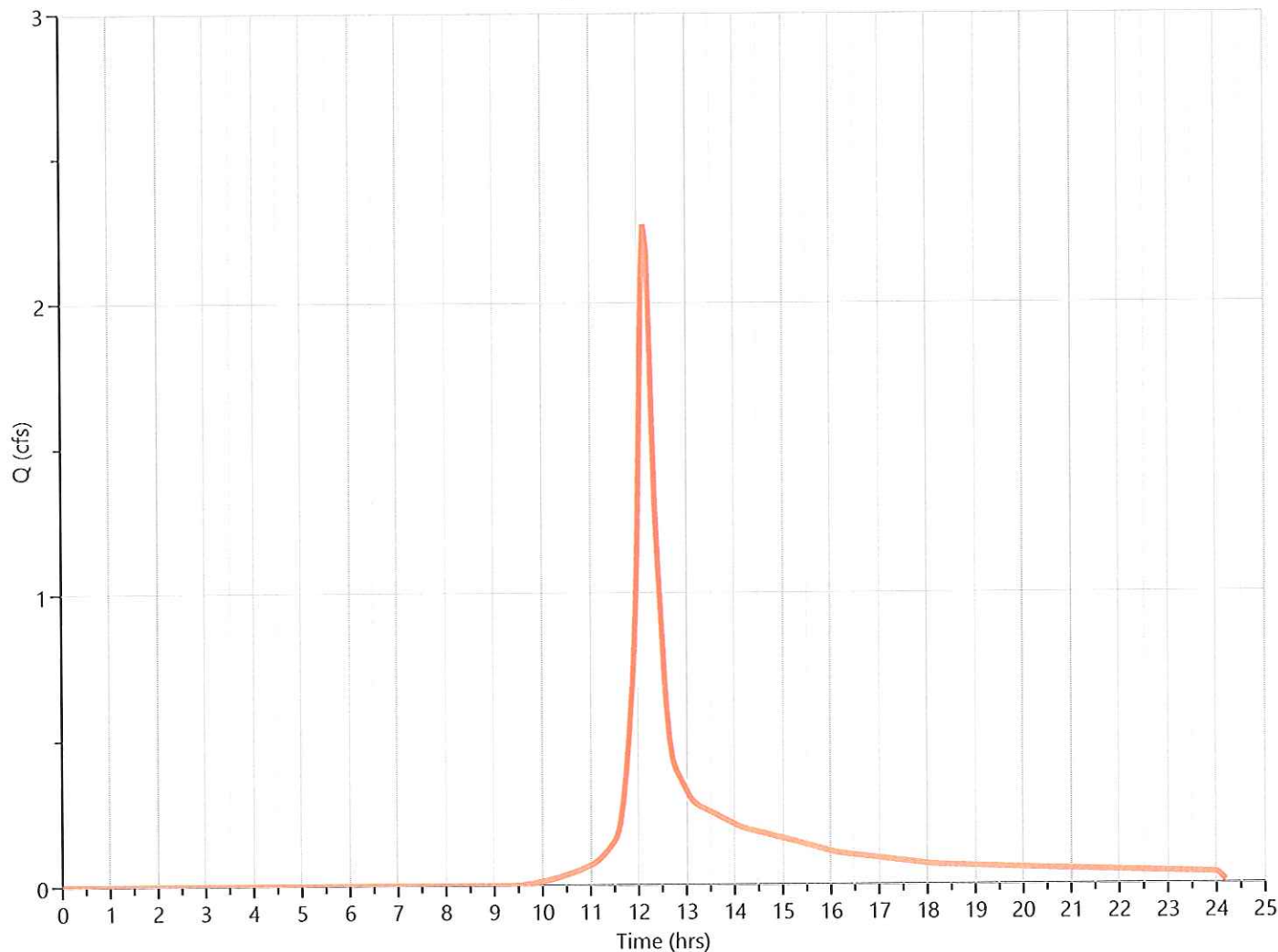
Storm Duration = 24 hrs

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.12	98	Bit / Roof
0.32	61	Soil B / Lawn
0.12	56	Soil B / Brush
0.11	60	Soil B / Woods
0.24	70	Soil C / Brush
0.91	67	Weighted CN Method Employed

$Q_p = 2.28 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point B - Low

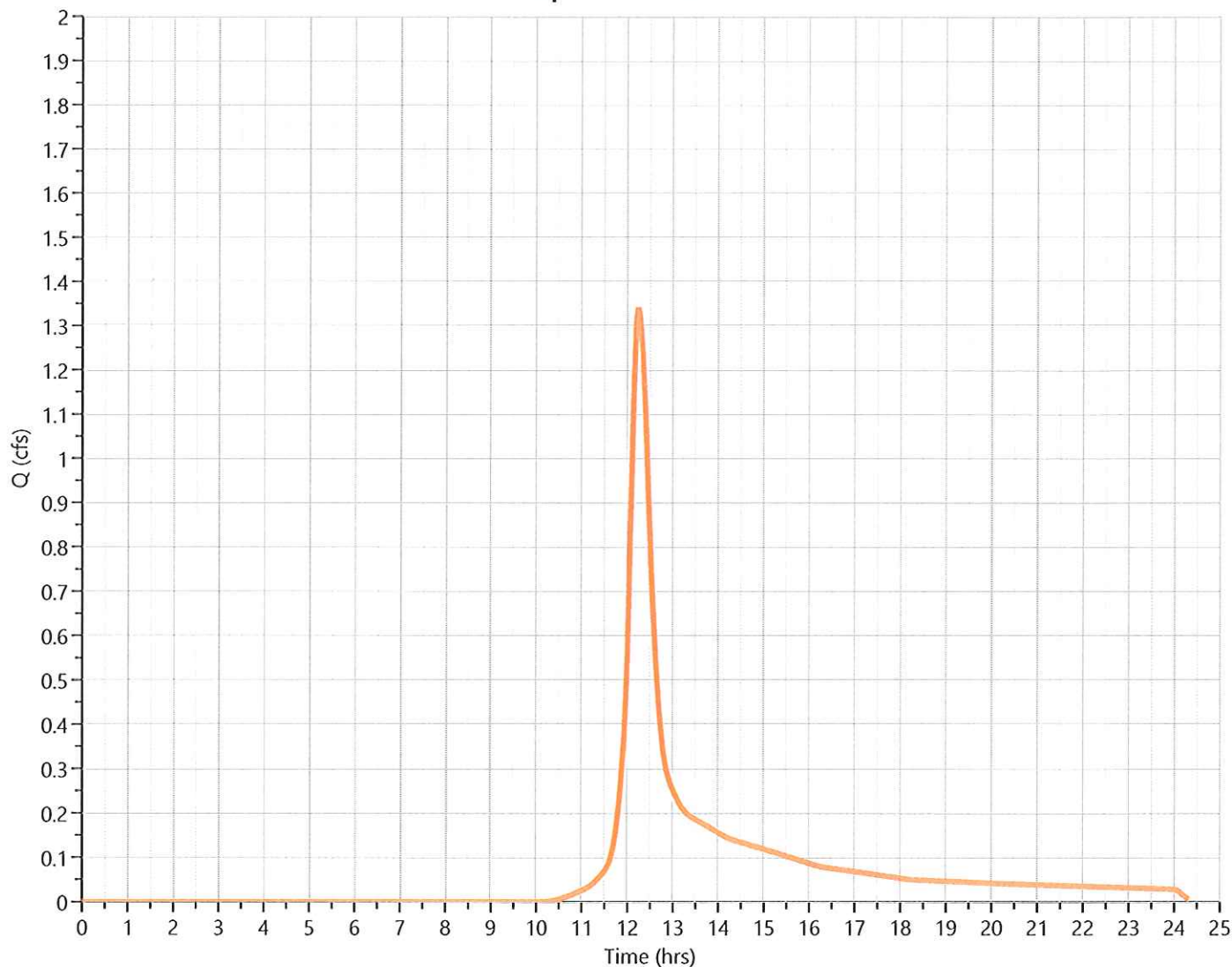
Hyd. No. 7

Hydrograph Type	= NRCS Runoff	Peak Flow	= 1.341 cfs
Storm Frequency	= 25-yr	Time to Peak	= 12.23 hrs
Time Interval	= 2 min	Runoff Volume	= 6,116 cuft
Drainage Area	= 0.75 ac	Curve Number	= 63*
Tc Method	= TR55	Time of Conc. (Tc)	= 18.52 min
Total Rainfall	= 6.10 in	Design Storm	= Type III
Storm Duration	= 24 hrs	Shape Factor	= 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.05	98	Roof
0.32	61	Soil B / Lawn
0.38	60	Soil B / Wood
0.75	63	Weighted CN Method Employed

Qp = 1.34 cfs



Hydrograph Report

Hydrology Studio v 3.0.0.32

40

Project Name:

07-22-2024

Post Point B Total

Hyd. No. 9

Hydrograph Type = Junction

Storm Frequency = 25-yr

Time Interval = 2 min

Inflow Hydrographs = 7, 8

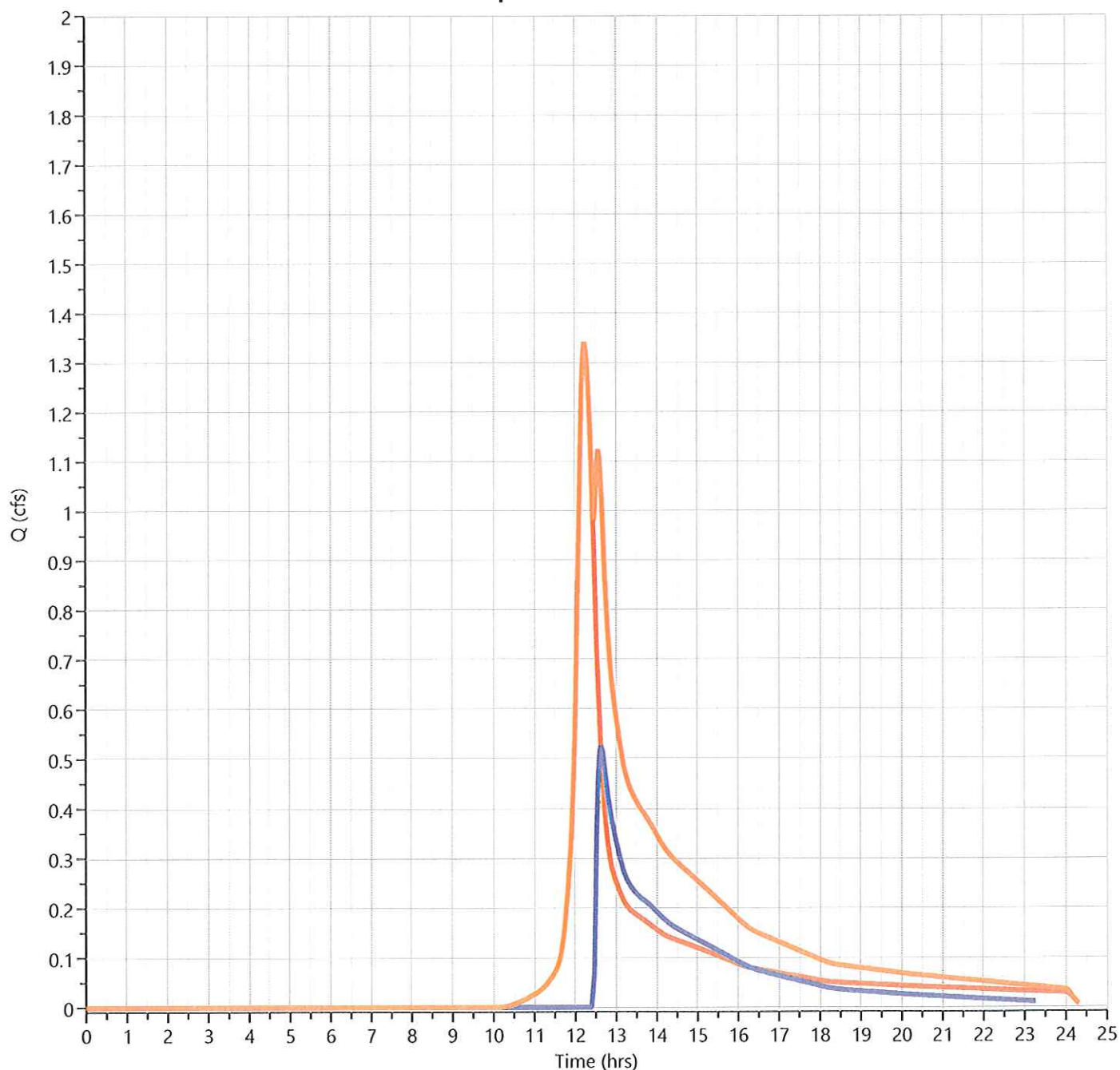
Peak Flow = 1.341 cfs

Time to Peak = 12.23 hrs

Hydrograph Volume = 9,674 cuft

Total Contrib. Area = 0.75 ac

Qp = 1.34 cfs



Point B - Low R.G. - B Point B Total

Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Pre Point C

Hyd. No. 5

Hydrograph Type = NRCS Runoff

Storm Frequency = 25-yr

Time Interval = 2 min

Drainage Area = 1.07 ac

Tc Method = TR55

Total Rainfall = 6.10 in

Storm Duration = 24 hrs

Peak Flow = 2.024 cfs

Time to Peak = 12.20 hrs

Runoff Volume = 8,508 cuft

Curve Number = 63*

Time of Conc. (Tc) = 14.57 min

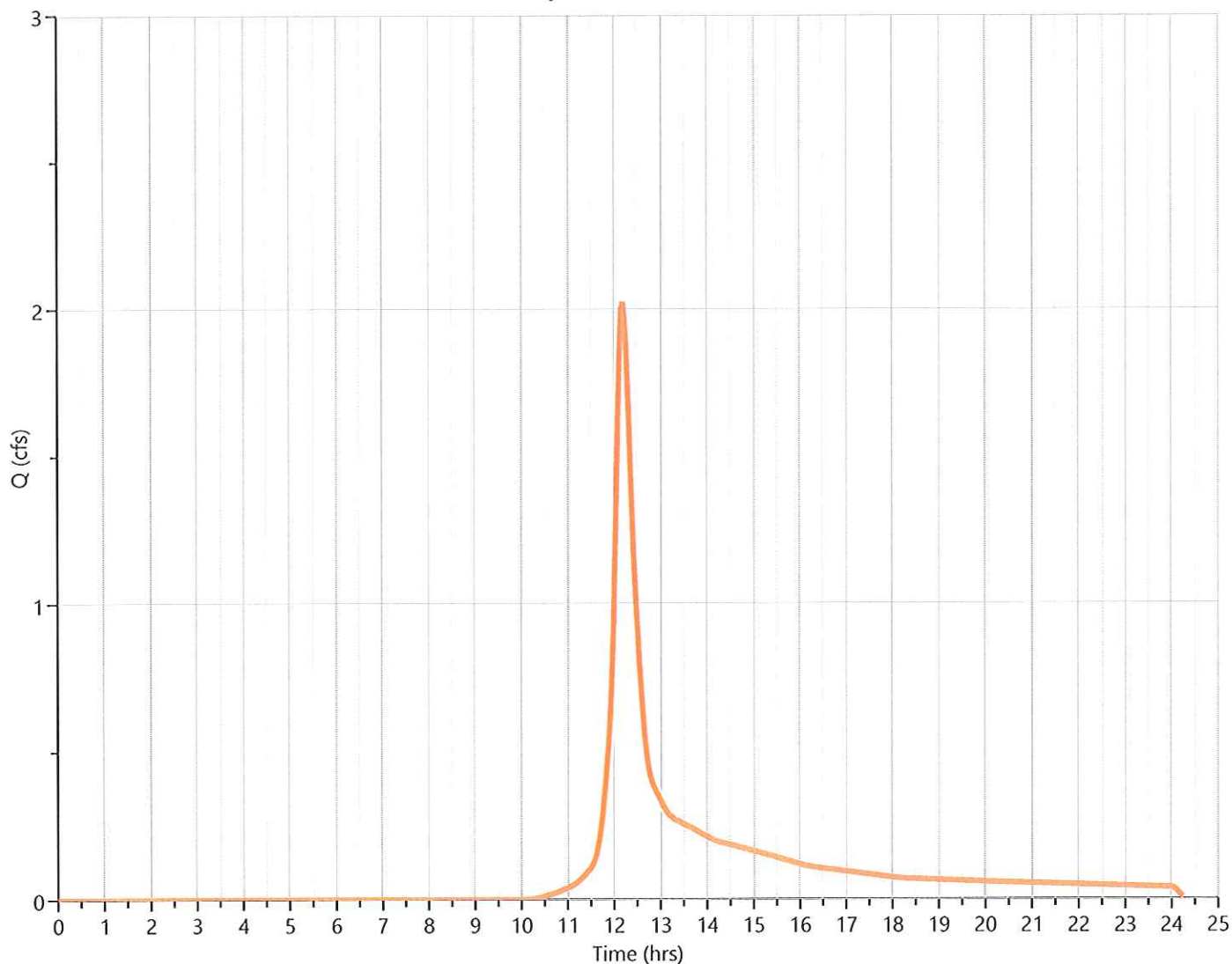
Design Storm = Type III

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.82	60	Soil B / Woods
0.06	70	Soil C / Brush
0.19	73	Soil C / Woods
1.07	63	Weighted CN Method Employed

Qp = 2.02 cfs



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point C-Up

Hyd. No. 6

Hydrograph Type = NRCS Runoff

Peak Flow = 2.465 cfs

Storm Frequency = 25-yr

Time to Peak = 12.10 hrs

Time Interval = 2 min

Runoff Volume = 8,520 cuft

Drainage Area = 0.87 ac

Curve Number = 68*

Tc Method = TR55

Time of Conc. (Tc) = 8.98 min

Total Rainfall = 6.10 in

Design Storm = Type III

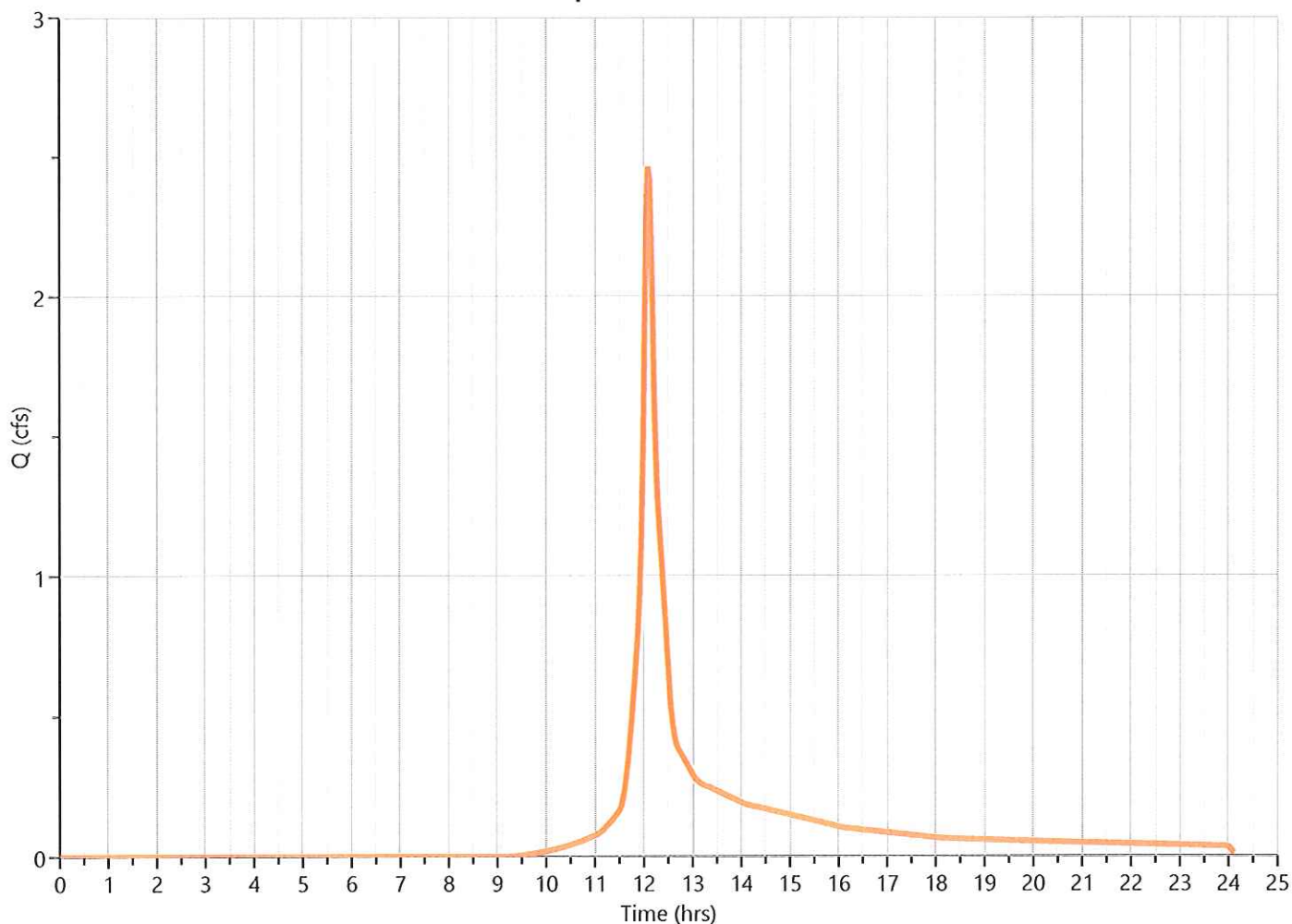
Storm Duration = 24 hrs

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.11	98	Bit
0.44	61	Soil B / Lawn
0.12	60	Soil B / Woods
0.12	74	Soil C / Lawn
0.06	70	Soil C / Brush
0.02	73	Soil C / Woods
0.87	68	Weighted CN Method Employed

$Q_p = 2.46 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Post C - Low

Hyd. No. 10

Hydrograph Type = NRCS Runoff

Peak Flow = 0.607 cfs

Storm Frequency = 25-yr

Time to Peak = 12.17 hrs

Time Interval = 2 min

Runoff Volume = 2,455 cuft

Drainage Area = 0.33 ac

Curve Number = 60*

Tc Method = TR55

Time of Conc. (Tc) = 11.26 min

Total Rainfall = 6.10 in

Design Storm = Type III

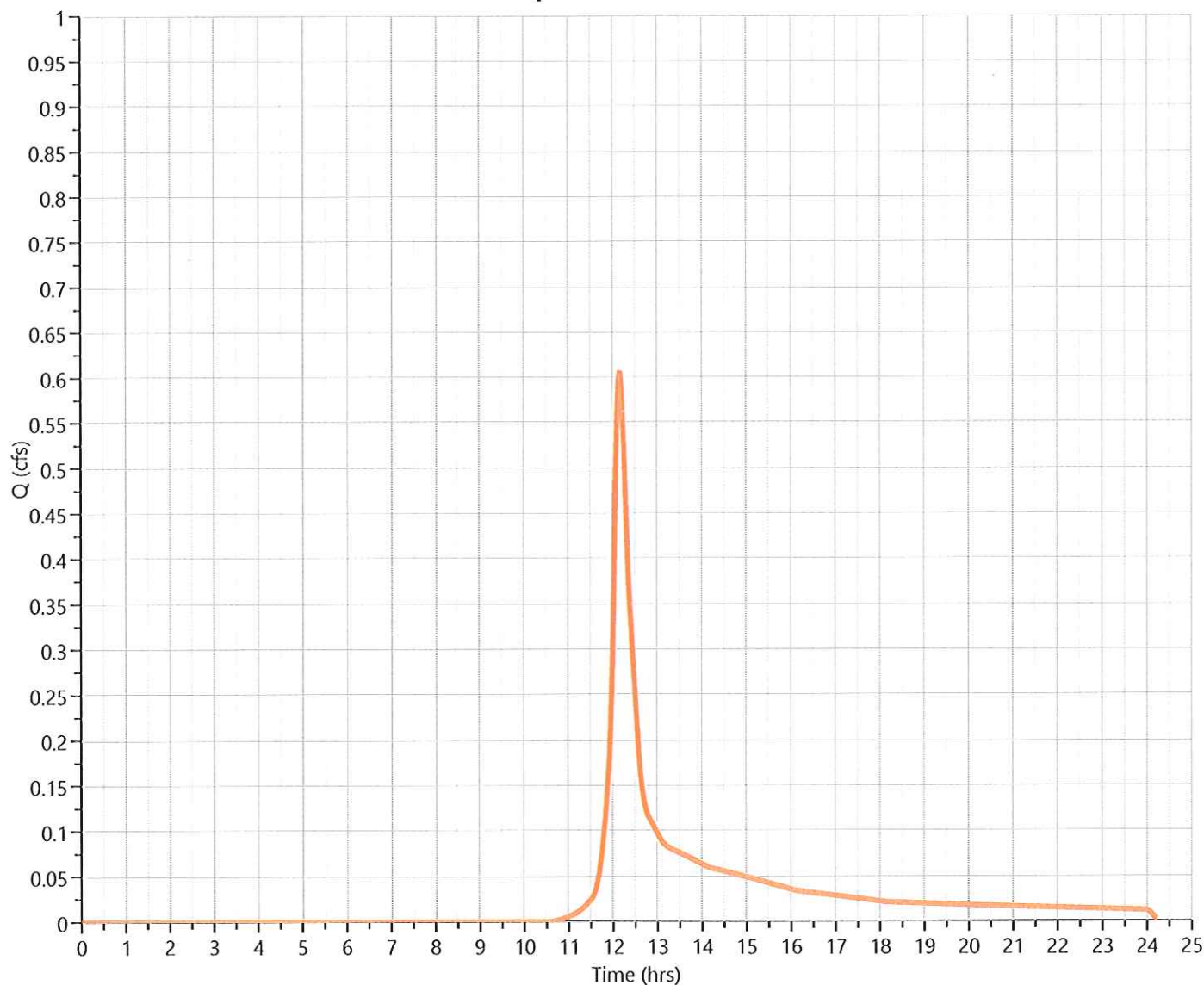
Storm Duration = 24 hrs

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.33	60	Soil B / Woods
0.33	60	Weighted CN Method Employed

$Q_p = 0.61 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point C Total

Hyd. No. 12

Hydrograph Type = Junction

Storm Frequency = 25-yr

Time Interval = 2 min

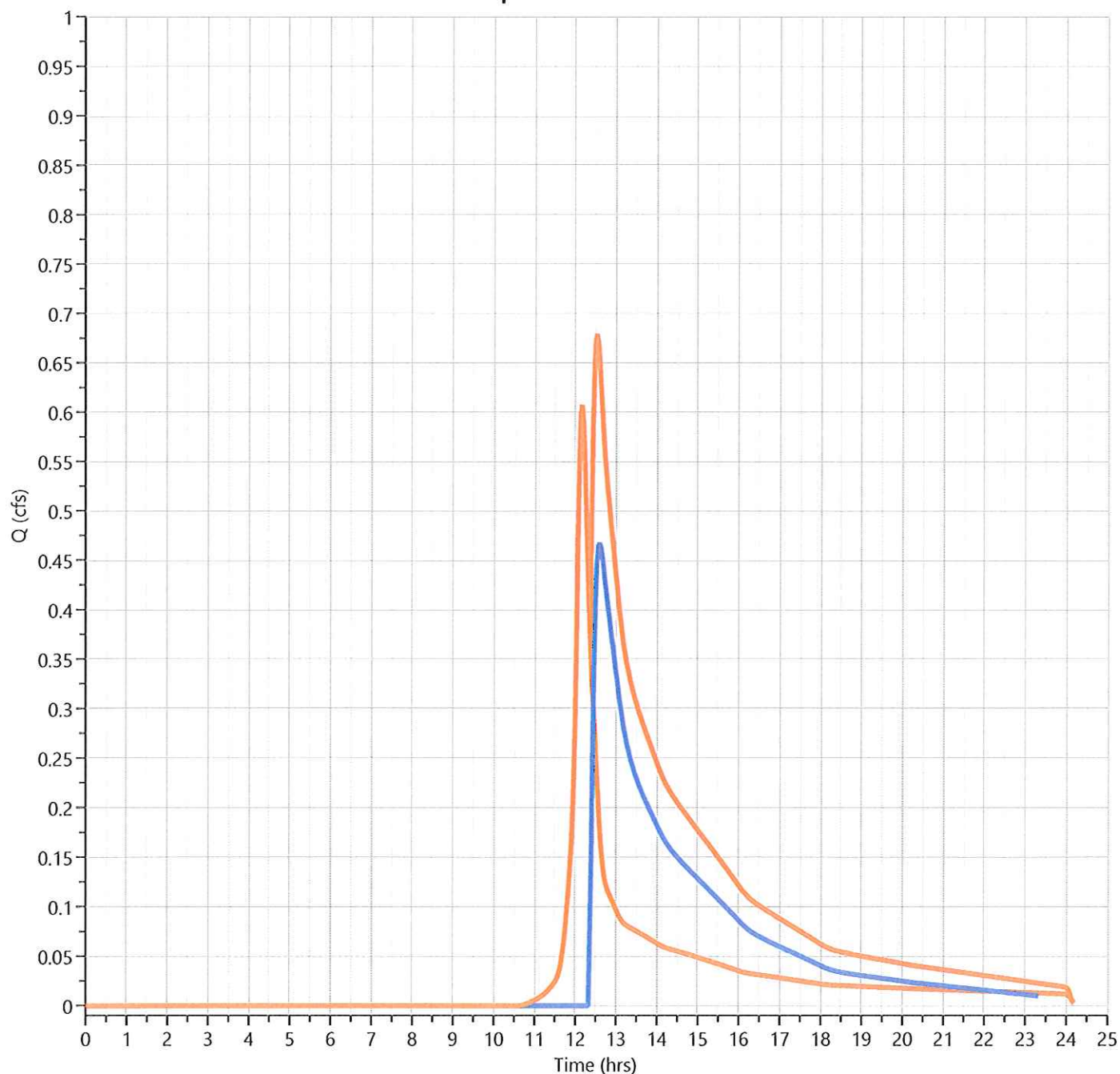
Inflow Hydrographs = 10, 11

Peak Flow = 0.679 cfs

Time to Peak = 12.53 hrs

Hydrograph Volume = 6,009 cuft

Total Contrib. Area = 0.33 ac

Qp = 0.68 cfs

Post C - Low R.G.-C Point C Total

Hyd. No.	Hydrograph Type	Hydrograph Name	Peak Flow (cfs)	Time to Peak (hrs)	Hydrograph Volume (cuft)	Inflow Hyd(s)	Maximum Elevation (ft)	Maximum Storage (cuft)
1	NRCS Runoff	Pre Point A	2.393	12.20	9,945	----		
2	NRCS Runoff	Post Point A	1.971	12.23	8,812	----		
3	NRCS Runoff	Pre Point B	4.387	12.20	18,119	----		
4	NRCS Runoff	Post Point B-Up	3.406	12.13	13,112	----		
5	NRCS Runoff	Pre Point C	3.135	12.20	12,918	----		
6	NRCS Runoff	Post Point C-Up	3.657	12.10	12,505	----		
7	NRCS Runoff	Post Point B - Low	2.083	12.23	9,287	----		
8	Pond Route	R.G. - B	2.201	12.33	7,714	4	453.53	4,519
9	Junction	Post Point B Total	4.156	12.30	17,001	7, 8		
10	NRCS Runoff	Post Post C - Low	0.973	12.17	3,815	----		
11	Pond Route	R.G.-C	2.164	12.27	7,454	6	443.52	4,309
12	Junction	Post Point C Total	3.023	12.23	11,269	10, 11		

Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Pre Point A

Hyd. No. 1

Hydrograph Type = NRCS Runoff

Peak Flow = 2.393 cfs

Storm Frequency = 100-yr

Time to Peak = 12.20 hrs

Time Interval = 2 min

Runoff Volume = 9,945 cuft

Drainage Area = 0.91 ac

Curve Number = 60*

Tc Method = TR55

Time of Conc. (Tc) = 14.84 min

Total Rainfall = 7.67 in

Design Storm = Type III

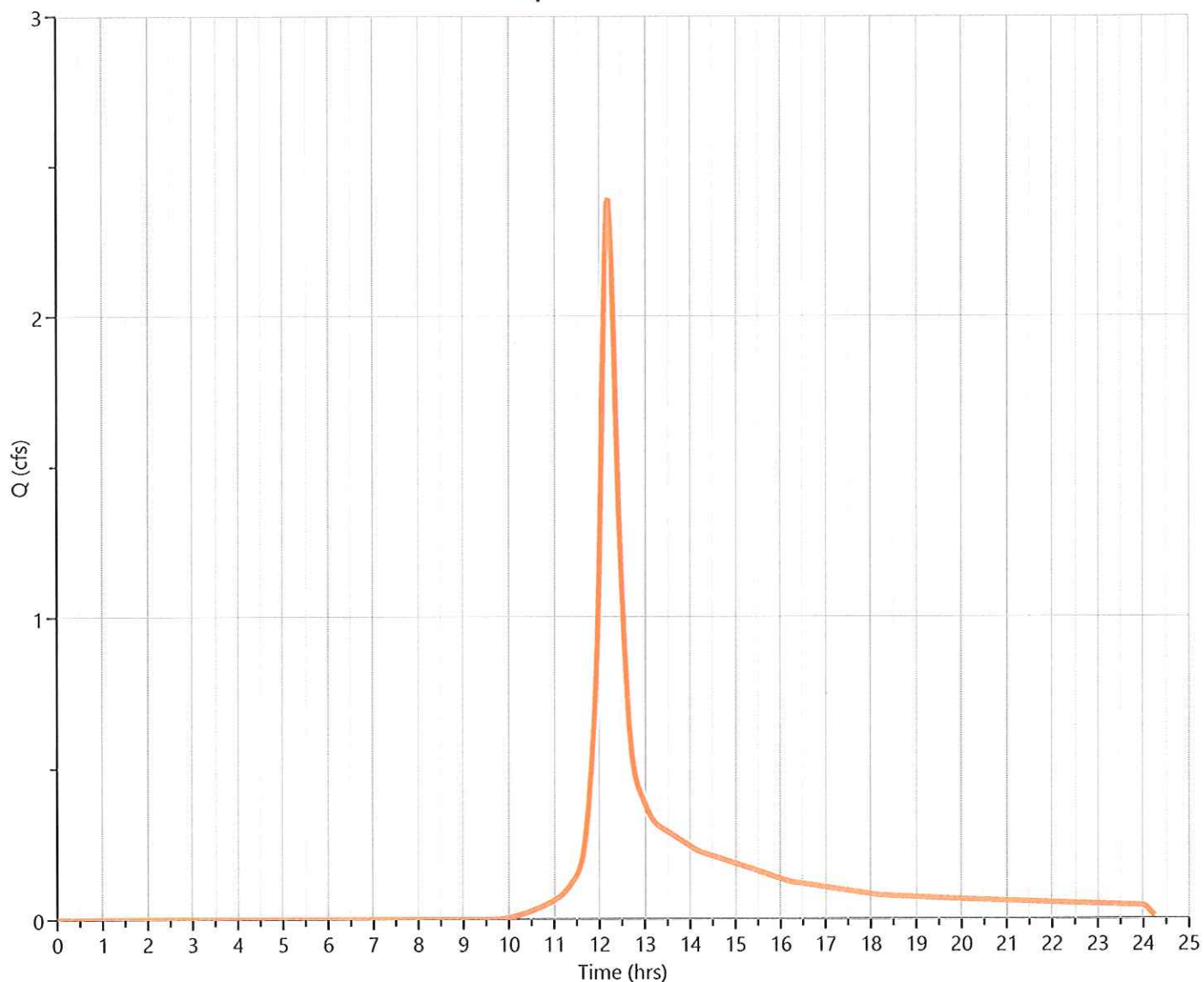
Storm Duration = 24 hrs

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.91	60	Soil B/Wooded
0.91	60	Weighted CN Method Employed

$Q_p = 2.39 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point A

Hyd. No. 2

Hydrograph Type = NRCS Runoff

Storm Frequency = 100-yr

Time Interval = 2 min

Drainage Area = 0.735 ac

Tc Method = TR55

Total Rainfall = 7.67 in

Storm Duration = 24 hrs

Peak Flow = 1.971 cfs

Time to Peak = 12.23 hrs

Runoff Volume = 8,812 cuft

Curve Number = 62*

Time of Conc. (Tc) = 18.77 min

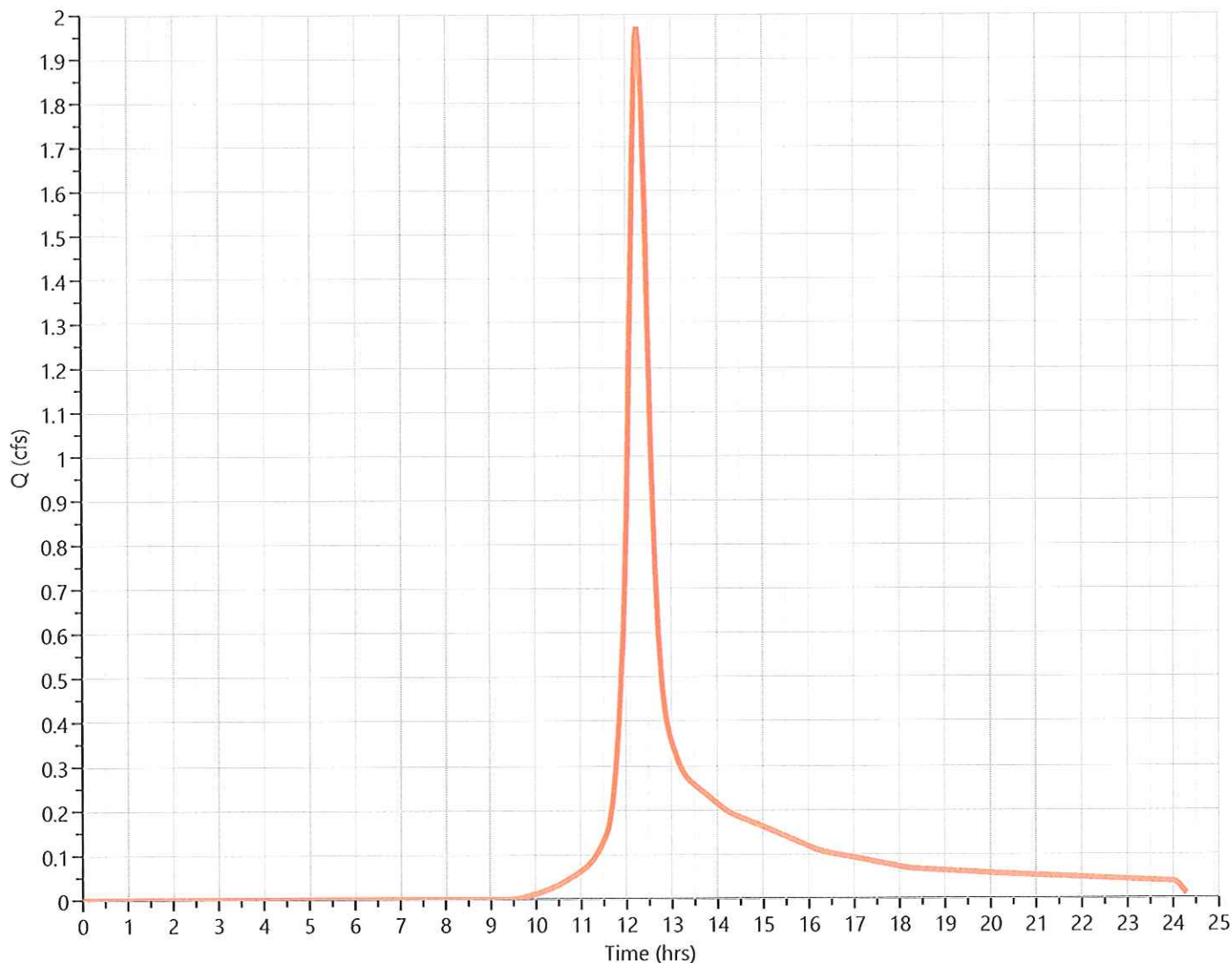
Design Storm = Type III

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.025	98	Roof
0.38	61	Soil B / Grass
0.33	60	Soil B / Wooded
0.735	62	Weighted CN Method Employed

Qp = 1.97 cfs



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Pre Point B

Hyd. No. 3

Hydrograph Type = NRCS Runoff

Storm Frequency = 100-yr

Time Interval = 2 min

Drainage Area = 1.55 ac

Tc Method = TR55

Total Rainfall = 7.67 in

Storm Duration = 24 hrs

Peak Flow = 4.387 cfs

Time to Peak = 12.20 hrs

Runoff Volume = 18,119 cuft

Curve Number = 62*

Time of Conc. (Tc) = 16.28 min

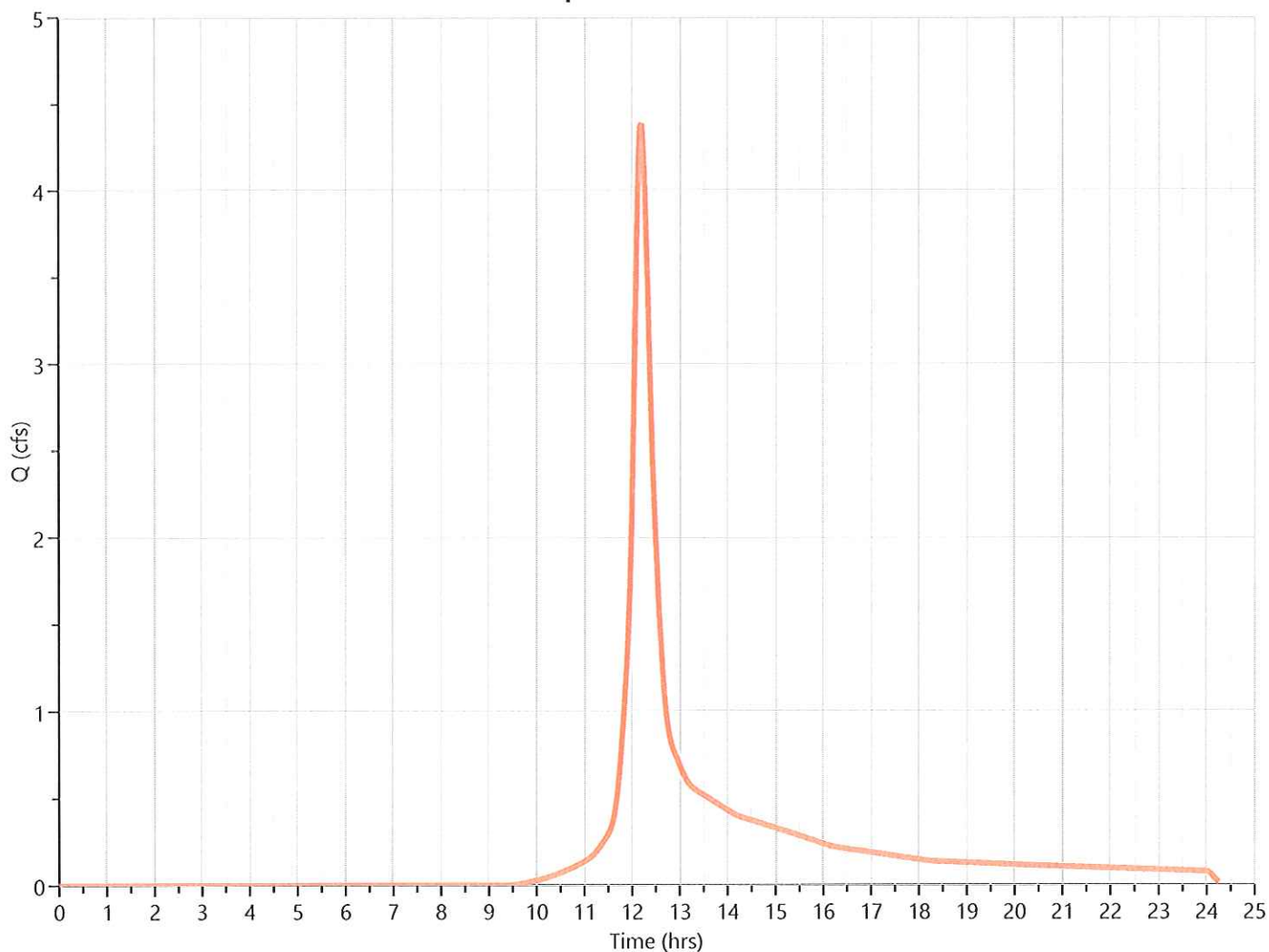
Design Storm = Type III

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.01	98	Bit / Roof
1.23	60	Soil B / Woods
0.08	56	Soil B / Brush
0.23	70	Soil C / Woods
1.55	62	Weighted CN Method Employed

$Q_p = 4.39 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point B-Up

Hyd. No. 4

Hydrograph Type = NRCS Runoff

Peak Flow = 3.406 cfs

Storm Frequency = 100-yr

Time to Peak = 12.13 hrs

Time Interval = 2 min

Runoff Volume = 13,112 cuft

Drainage Area = 0.91 ac

Curve Number = 67*

Tc Method = TR55

Time of Conc. (Tc) = 12.7 min

Total Rainfall = 7.67 in

Design Storm = Type III

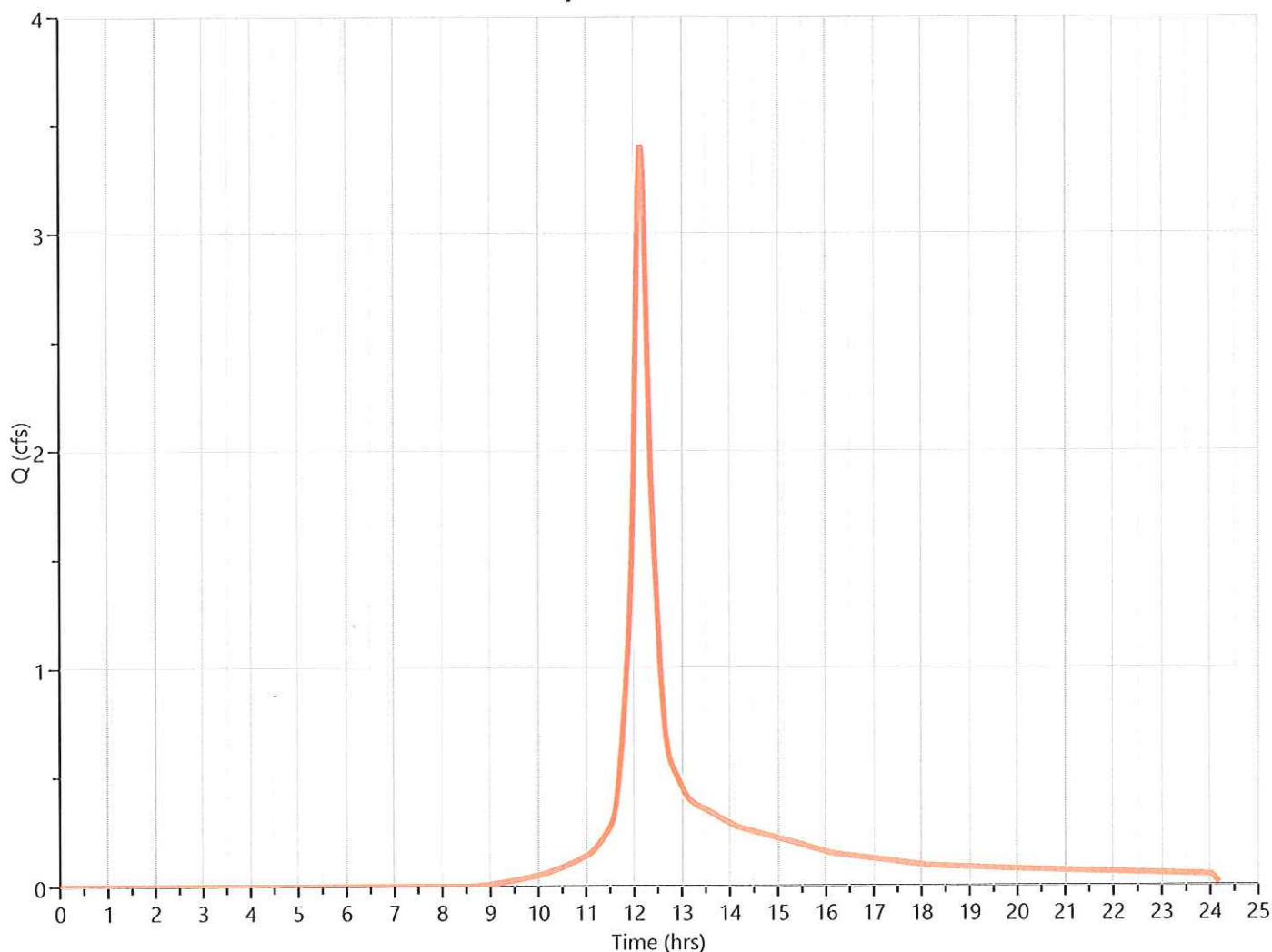
Storm Duration = 24 hrs

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.12	98	Bit / Roof
0.32	61	Soil B / Lawn
0.12	56	Soil B / Brush
0.11	60	Soil B / Woods
0.24	70	Soil C / Brush
0.91	67	Weighted CN Method Employed

$Q_p = 3.41 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point B - Low

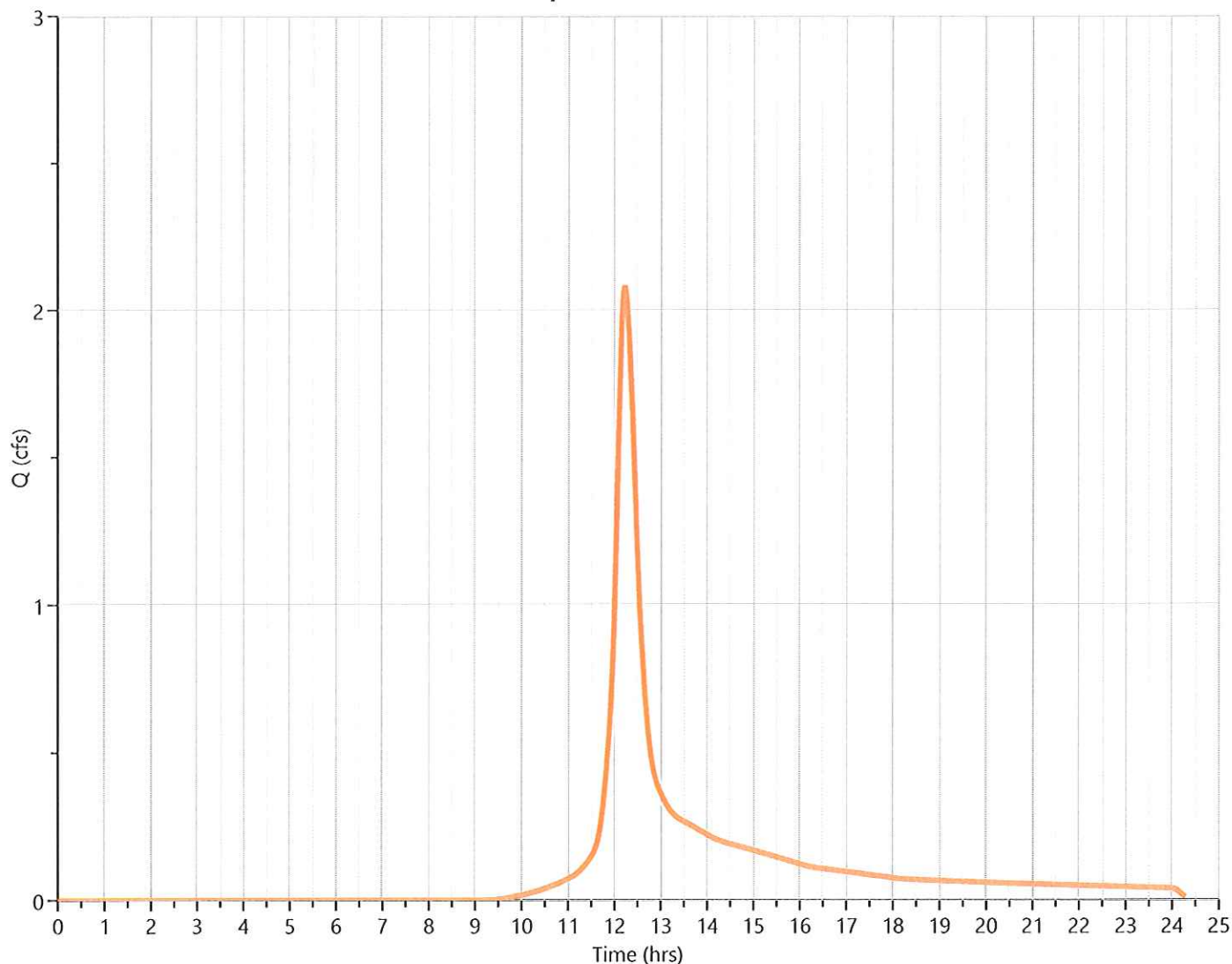
Hyd. No. 7

Hydrograph Type	= NRCS Runoff	Peak Flow	= 2.083 cfs
Storm Frequency	= 100-yr	Time to Peak	= 12.23 hrs
Time Interval	= 2 min	Runoff Volume	= 9,287 cuft
Drainage Area	= 0.75 ac	Curve Number	= 63*
Tc Method	= TR55	Time of Conc. (Tc)	= 18.52 min
Total Rainfall	= 7.67 in	Design Storm	= Type III
Storm Duration	= 24 hrs	Shape Factor	= 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.05	98	Roof
0.32	61	Soil B / Lawn
0.38	60	Soil B / Wood
0.75	63	Weighted CN Method Employed

$Q_p = 2.08 \text{ cfs}$



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point B Total

Hyd. No. 9

Hydrograph Type = Junction

Storm Frequency = 100-yr

Time Interval = 2 min

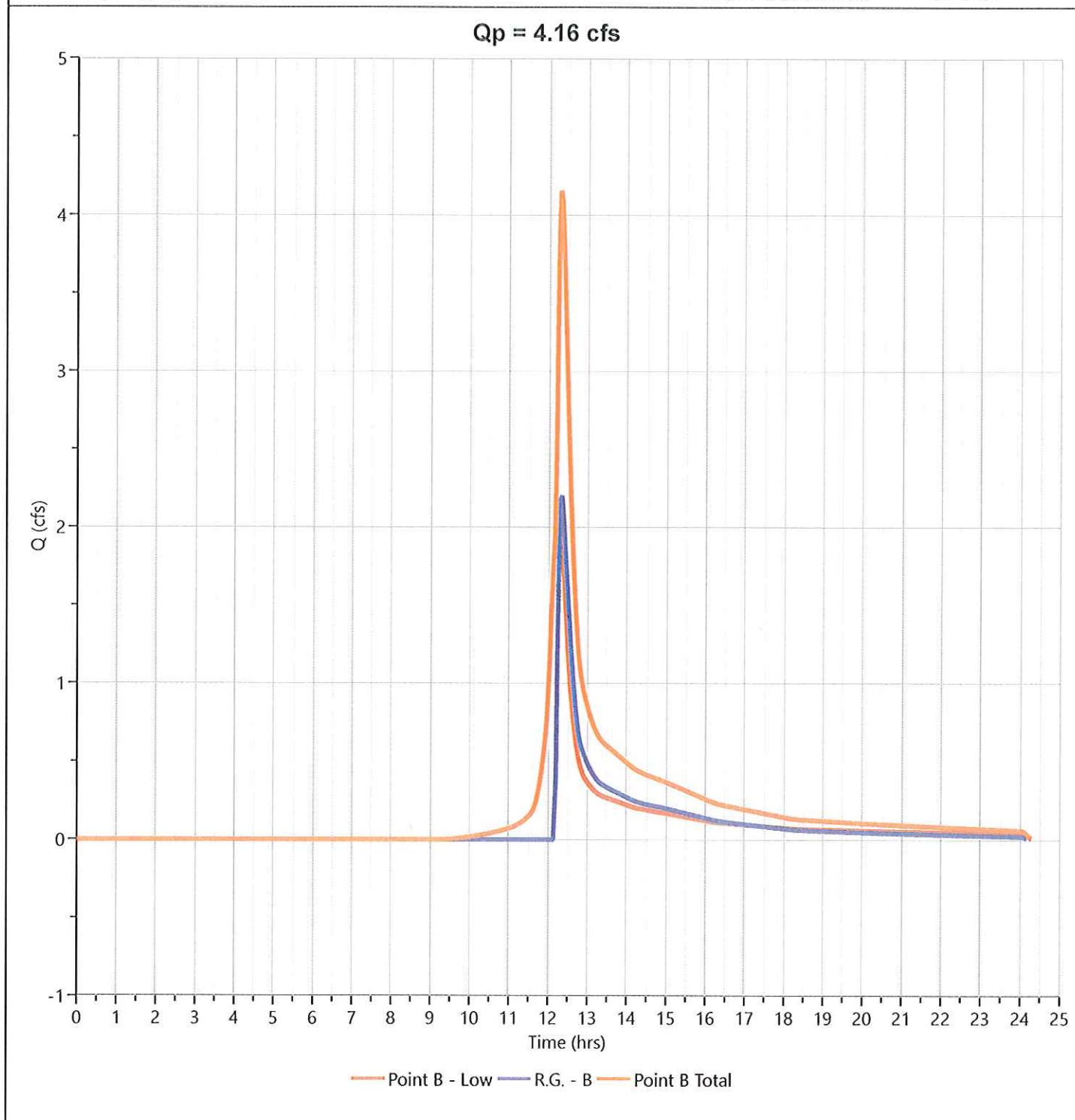
Inflow Hydrographs = 7, 8

Peak Flow = 4.156 cfs

Time to Peak = 12.30 hrs

Hydrograph Volume = 17,001 cuft

Total Contrib. Area = 0.75 ac



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Pre Point C

Hyd. No. 5

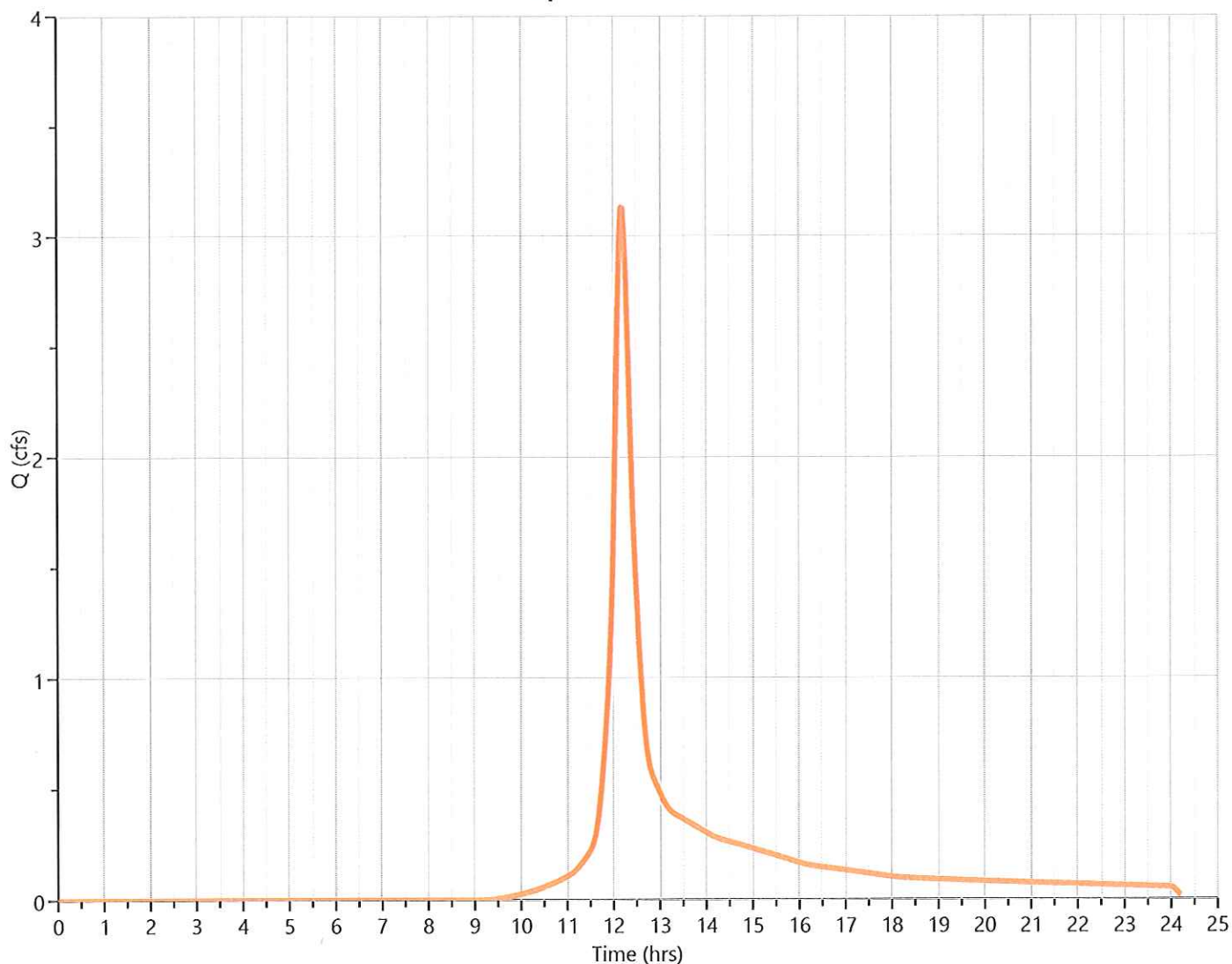
Hydrograph Type = NRCS Runoff
 Storm Frequency = 100-yr
 Time Interval = 2 min
 Drainage Area = 1.07 ac
 Tc Method = TR55
 Total Rainfall = 7.67 in
 Storm Duration = 24 hrs

Peak Flow = 3.135 cfs
 Time to Peak = 12.20 hrs
 Runoff Volume = 12,918 cuft
 Curve Number = 63*
 Time of Conc. (Tc) = 14.57 min
 Design Storm = Type III
 Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.82	60	Soil B / Woods
0.06	70	Soil C / Brush
0.19	73	Soil C / Woods
1.07	63	Weighted CN Method Employed

Qp = 3.14 cfs



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point C-Up

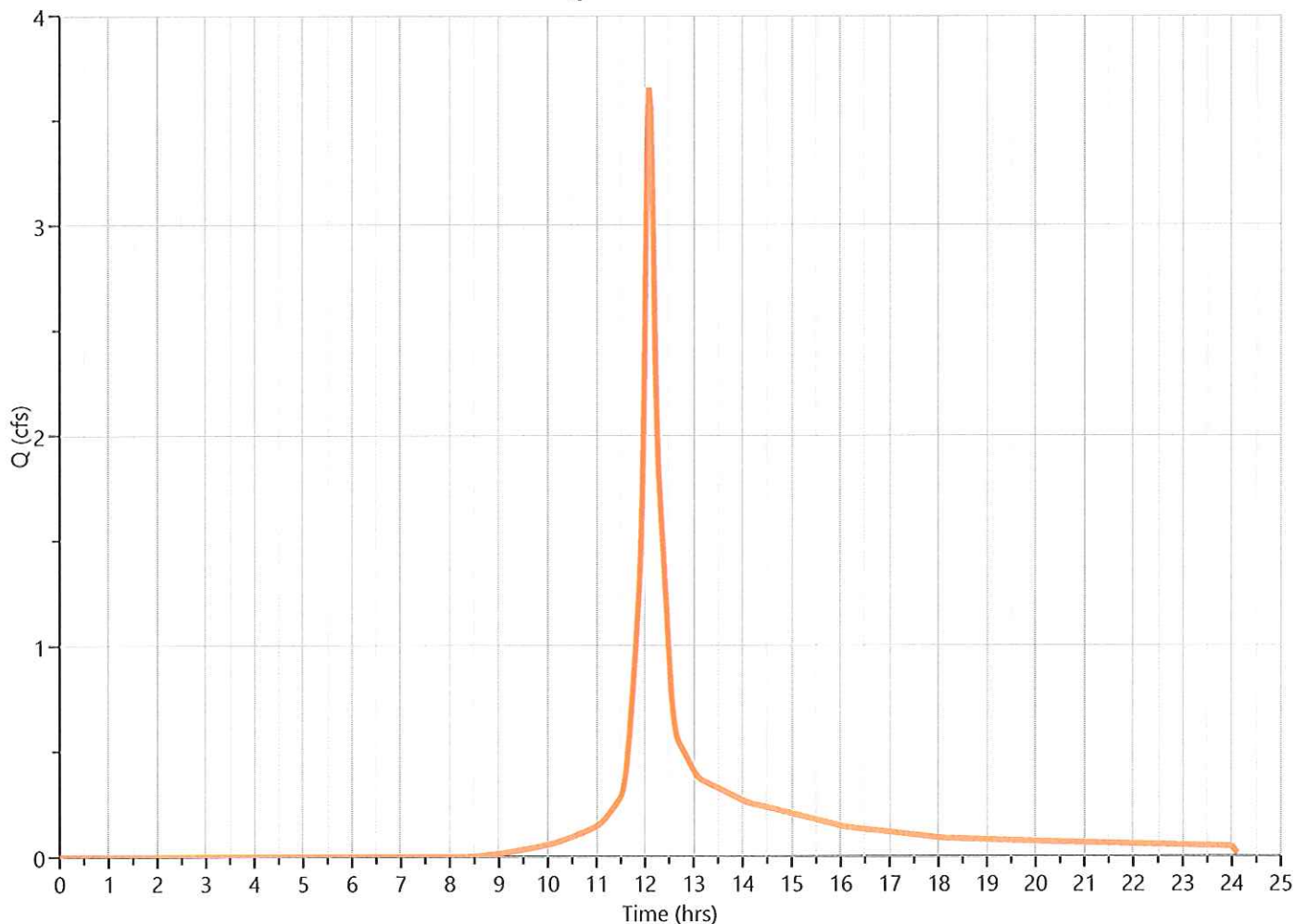
Hyd. No. 6

Hydrograph Type	= NRCS Runoff	Peak Flow	= 3.657 cfs
Storm Frequency	= 100-yr	Time to Peak	= 12.10 hrs
Time Interval	= 2 min	Runoff Volume	= 12,505 cuft
Drainage Area	= 0.87 ac	Curve Number	= 68*
Tc Method	= TR55	Time of Conc. (Tc)	= 8.98 min
Total Rainfall	= 7.67 in	Design Storm	= Type III
Storm Duration	= 24 hrs	Shape Factor	= 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.11	98	Bit
0.44	61	Soil B / Lawn
0.12	60	Soil B / Woods
0.12	74	Soil C / Lawn
0.06	70	Soil C / Brush
0.02	73	Soil C / Woods
0.87	68	Weighted CN Method Employed

$Q_p = 3.66 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Post C - Low

Hyd. No. 10

Hydrograph Type = NRCS Runoff

Peak Flow = 0.973 cfs

Storm Frequency = 100-yr

Time to Peak = 12.17 hrs

Time Interval = 2 min

Runoff Volume = 3,815 cuft

Drainage Area = 0.33 ac

Curve Number = 60*

Tc Method = TR55

Time of Conc. (Tc) = 11.26 min

Total Rainfall = 7.67 in

Design Storm = Type III

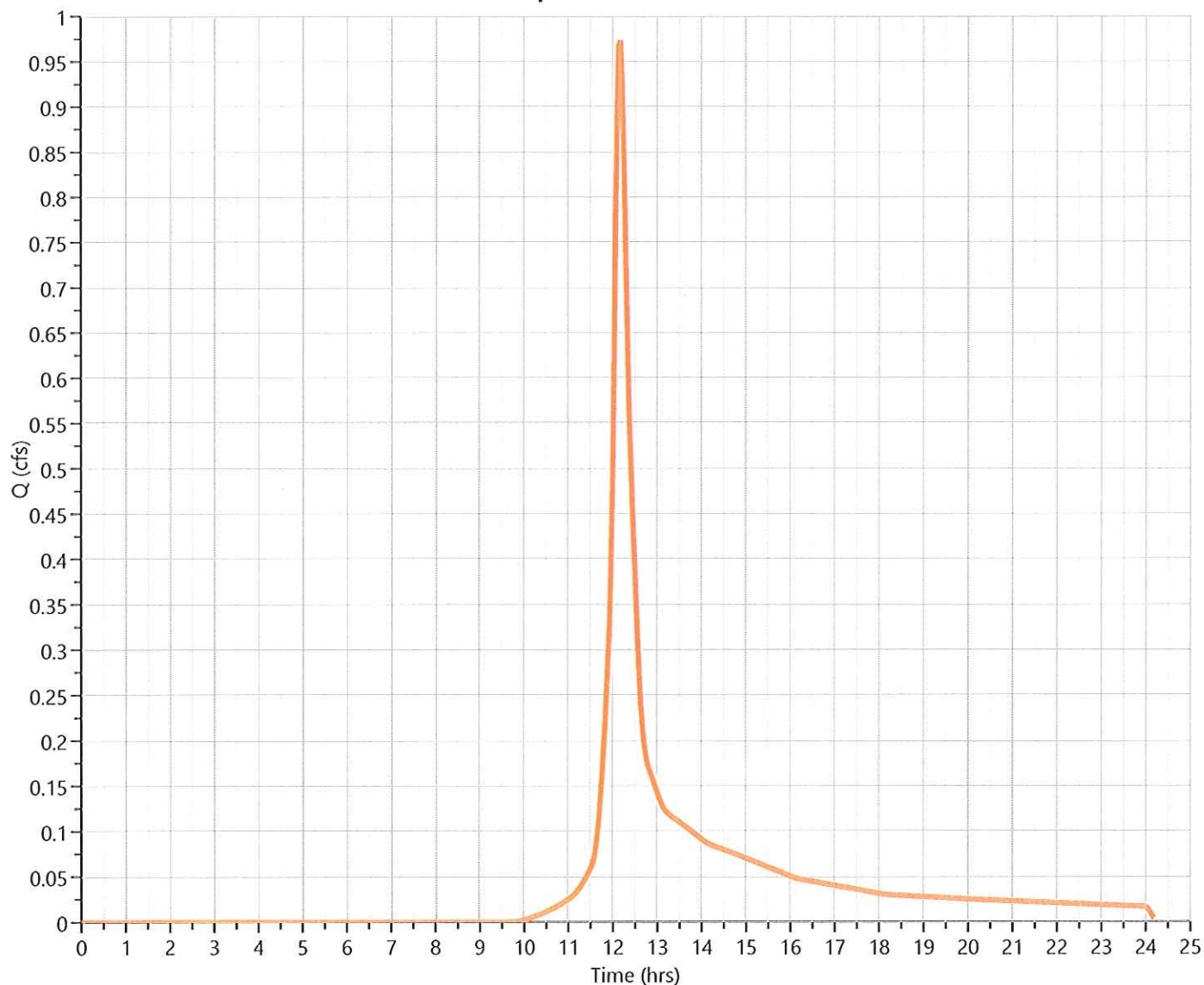
Storm Duration = 24 hrs

Shape Factor = 484

* Composite CN Worksheet

AREA (ac)	CN	DESCRIPTION
0.33	60	Soil B / Woods
0.33	60	Weighted CN Method Employed

$Q_p = 0.97 \text{ cfs}$



Hydrograph Report

Hydrology Studio v 3.0.0.32

07-22-2024

Post Point C Total

Hyd. No. 12

Hydrograph Type = Junction

Storm Frequency = 100-yr

Time Interval = 2 min

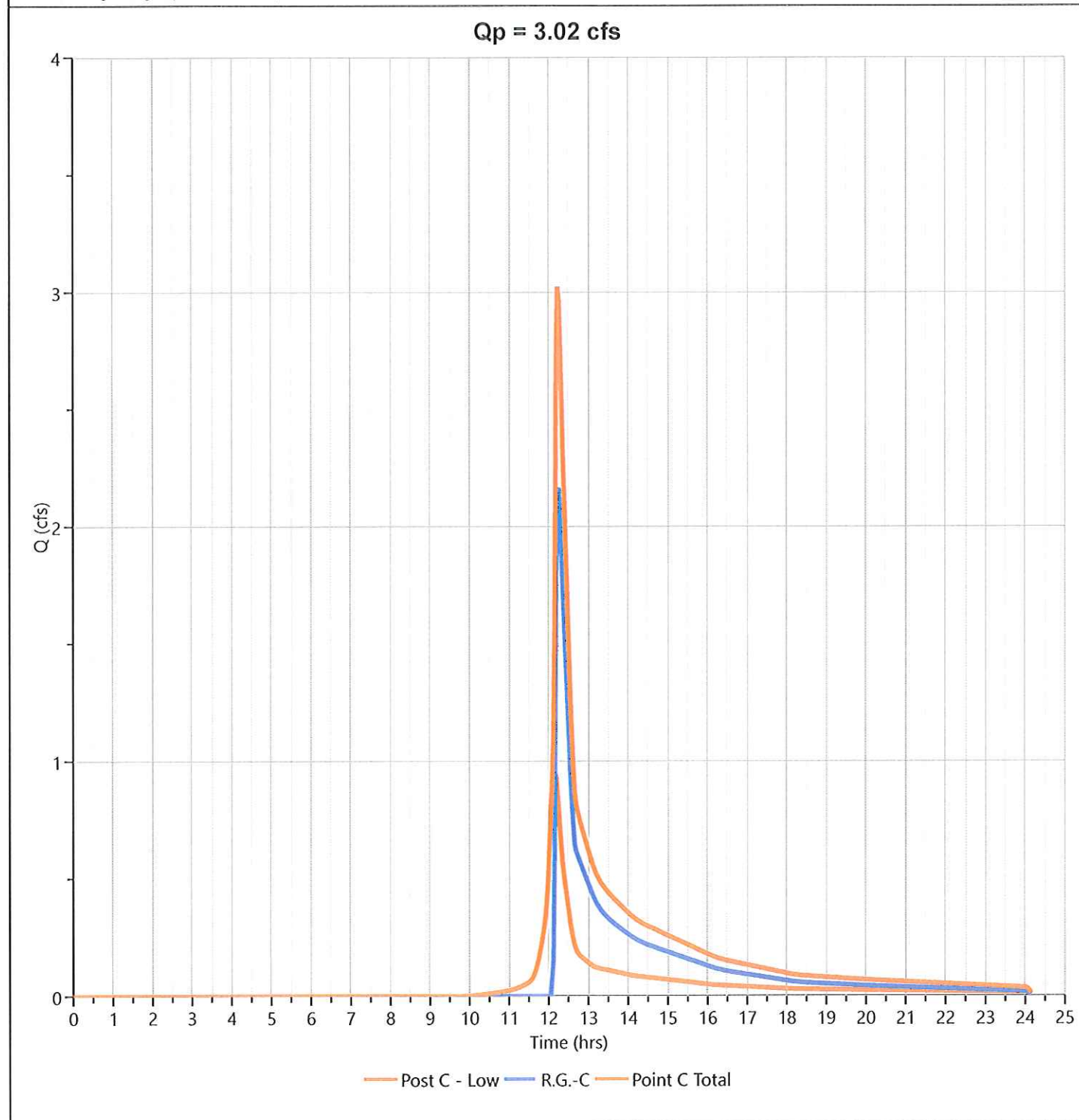
Inflow Hydrographs = 10, 11

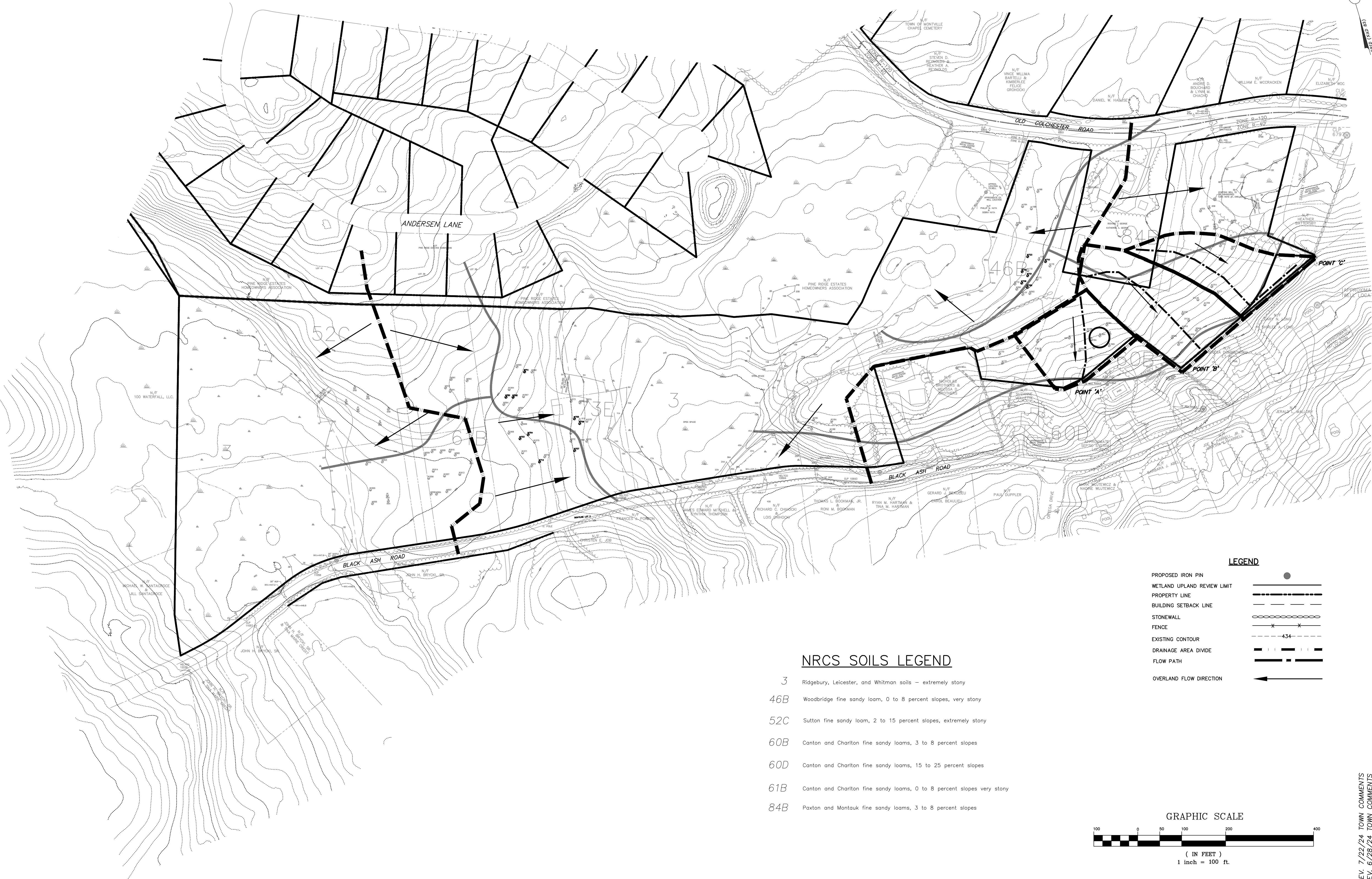
Peak Flow = 3.023 cfs

Time to Peak = 12.23 hrs

Hydrograph Volume = 11,269 cuft

Total Contrib. Area = 0.33 ac





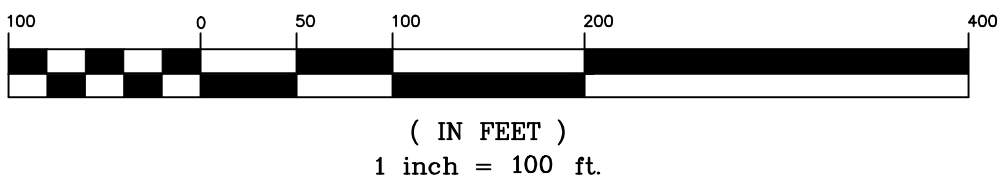
NRCS SOILS LEGEND

- 3 Ridgebury, Leicester, and Whitman soils – extremely stony
- 46B Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony
- 52C Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony
- 60B Canton and Charlton fine sandy loams, 3 to 8 percent slopes
- 60D Canton and Charlton fine sandy loams, 15 to 25 percent slopes
- 61B Canton and Charlton fine sandy loams, 0 to 8 percent slopes very stony
- 84B Paxton and Montauk fine sandy loams, 3 to 8 percent slopes

LEGEND

- PROPOSED IRON PIN
- WETLAND UPLAND REVIEW LIMIT
- PROPERTY LINE
- BUILDING SETBACK LINE
- STONEWALL
- FENCE
- EXISTING CONTOUR
- DRAINAGE AREA DIVIDE
- FLOW PATH
- OVERLAND FLOW DIRECTION

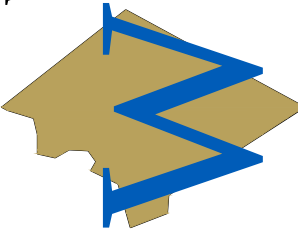
GRAPHIC SCALE



REV. 7/22/24 TOWN COMMENTS
REV. 6/28/24 TOWN COMMENTS
REV. 5-28-24 TOWN COMMENTS

DATE: 8-22-23
SCALE: 1"=100'
SHEET 1 OF 1
MAP NO. 23-024-1DC

OVERALL DRAINAGE MAP – EXISTING CONDITIONS
BLACK ASH ESTATES RESUBDIVISION
PREPARED FOR
PACHAUG CAPITAL, LLC
BLACK ASH ROAD & OLD COLCHESTER ROAD
MONTVILLE, CONNECTICUT

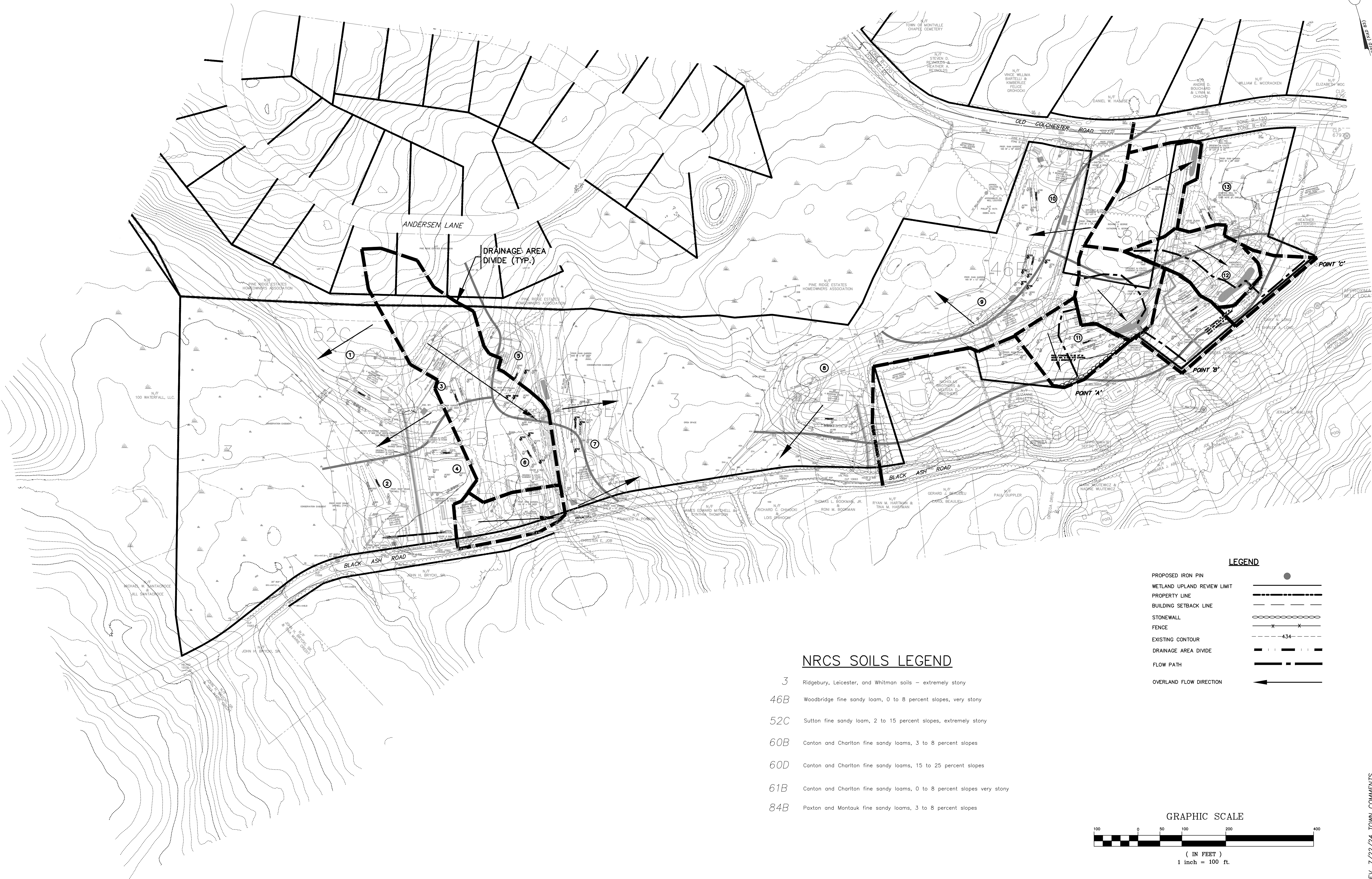


**WENTWORTH CIVIL
ENGINEERS LLC**
177 WEST TOWN ST.
LEBANON, CT 06249
TEL. (860) 642-7255
FAX (860) 642-4794
web: wentworthcivil.com

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.

WESLEY J. WENTWORTH
P.E. # 20360

CADD (AUG 83)

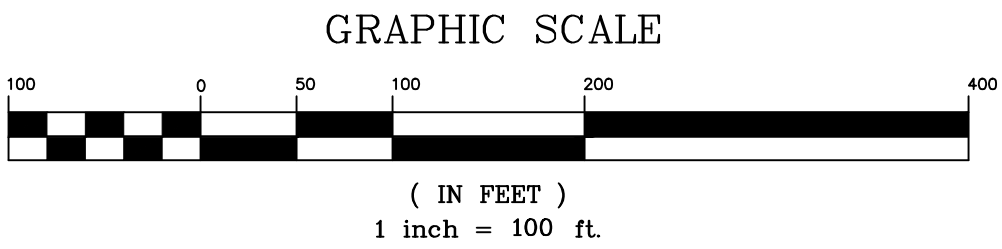


NRCS SOILS LEGEND

- 3 Ridgebury, Leicester, and Whitman soils – extremely stony
- 46B Woodbridge fine sandy loam, 0 to 8 percent slopes, very stony
- 52C Sutton fine sandy loam, 2 to 15 percent slopes, extremely stony
- 60B Canton and Charlton fine sandy loams, 3 to 8 percent slopes
- 60D Canton and Charlton fine sandy loams, 15 to 25 percent slopes
- 61B Canton and Charlton fine sandy loams, 0 to 8 percent slopes very stony
- 84B Paxton and Montauk fine sandy loams, 3 to 8 percent slopes

LEGEND

- PROPOSED IRON PIN
- WETLAND UPLAND REVIEW LIMIT
- PROPERTY LINE
- BUILDING SETBACK LINE
- STONEWALL
- FENCE
- EXISTING CONTOUR
- DRAINAGE AREA DIVIDE
- FLOW PATH
- OVERLAND FLOW DIRECTION

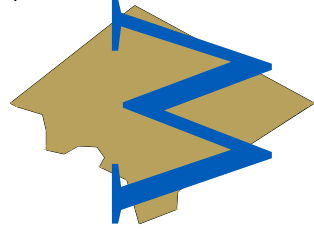


REV. 7/22/24 TOWN COMMENTS
REV. 5-28-24 TOWN COMMENTS

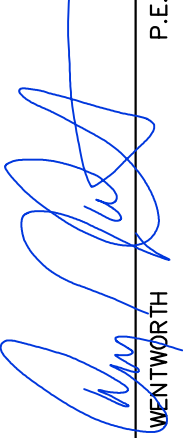
OVERALL DRAINAGE MAP – DEVELOPED CONDITIONS
BLACK ASH ESTATES RESUBDIVISION
PREPARED FOR
PACHAUG CAPITAL, LLC
BLACK ASH ROAD & OLD COLCHESTER ROAD
MONTVILLE, CONNECTICUT

DATE: 8-22-23
SCALE: 1"=100'
SHEET 1 OF 1

MAP NO. 23-024-1DC


**WENTWORTH CIVIL
ENGINEERS LLC**
177 WEST TOWN ST.
LEBANON, CT 06249
TEL (860) 642-7255
FAX (860) 642-4794
web: wentworthcivil.com

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND
BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.


WESLEY J. WENTWORTH
P.E. # 20360

CADD: 2302 (AUG 83)