

DYMAR

APPENDIX B - STORM WATER ANALYSIS

DYMAR

2 YEAR STORM

Hydrograph 2-yr Summary

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

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	Rational	Pre DAA @ AP 1	1.650	0.23	1,851	----		
2	Rational	Pre DA B @ AP 2	0.705	0.38	1,298	----		
3	Rational	Post DAA1	1.590	0.23	1,783	----		
4	Rational	Post DAA2 (Roof)	0.274	0.08	110	----		
5	Pond Route	Route DAA2	0.000	0.10	0.000	4	957.12	93.0
6	Junction	Post Flow @ AP 1	1.590	0.23	1,765	3, 5		
7	Rational	Post DA B1	0.519	0.38	956	----		
8	Rational	Post DA B2	0.393	0.08	157	----		
9	Pond Route	Route DA B2	0.000	0.23	0.000	8	959.59	137
10	Rational	Post DA B3	0.835	0.08	335	----		
11	Pond Route	Route DA B3	0.000	0.00	0.000	10	964.67	301
12	Junction	Post Flow @ AP2	0.519	0.38	950	7, 9, 11		

Hydrograph Report

Project Name:

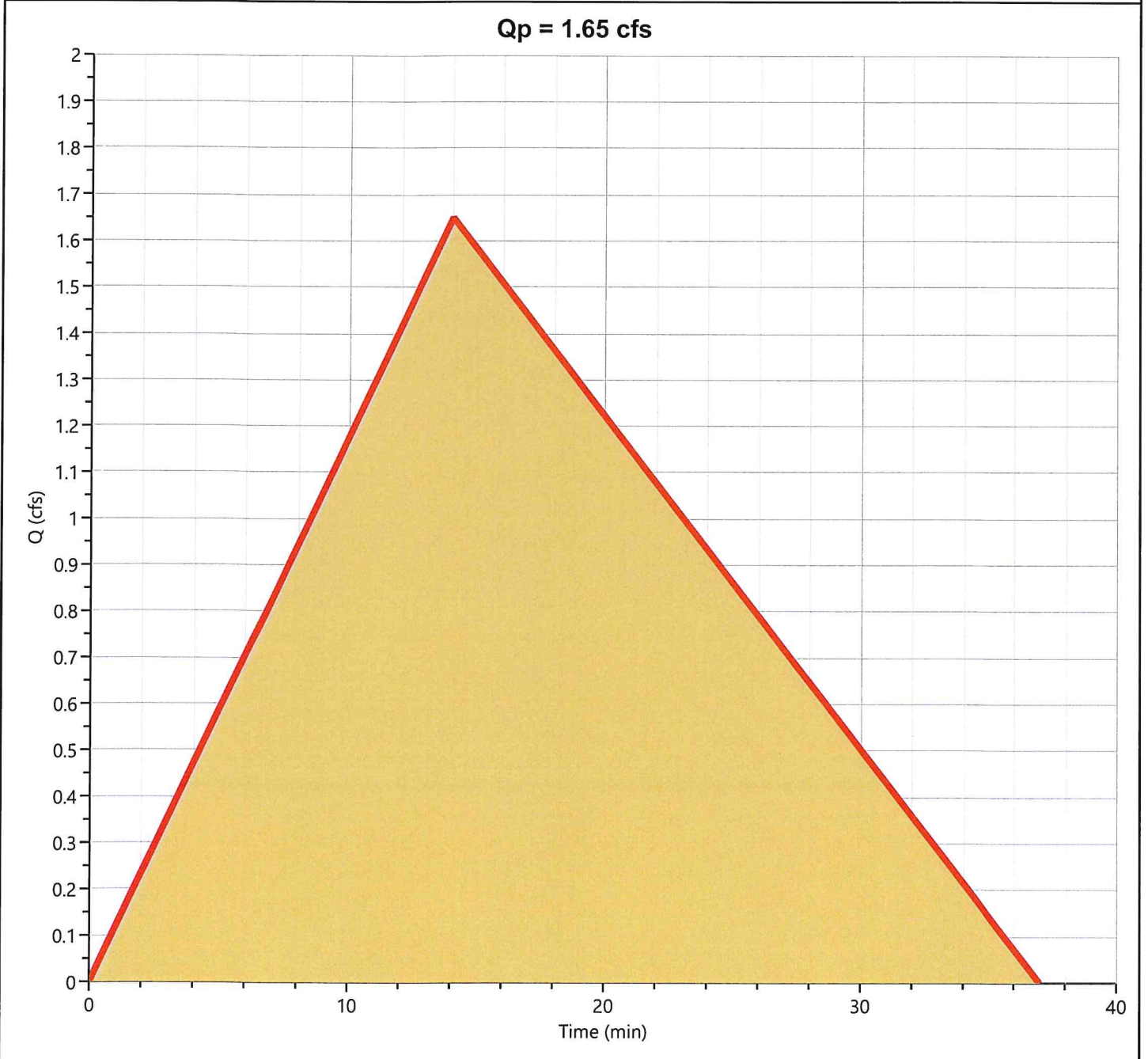
Hydrology Studio v 3.0.0.19

04-30-2021

Pre DA A @ AP 1

Hyd. No. 1

Hydrograph Type	= Rational	Peak Flow	= 1.650 cfs
Storm Frequency	= 2-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Runoff Volume	= 1,851 cuft
Drainage Area	= 2.46 ac	Runoff Coeff.	= 0.22
Tc Method	= User	Time of Conc. (Tc)	= 14.0 min
IDF Curve	= Project0996.idf	Intensity	= 3.05 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

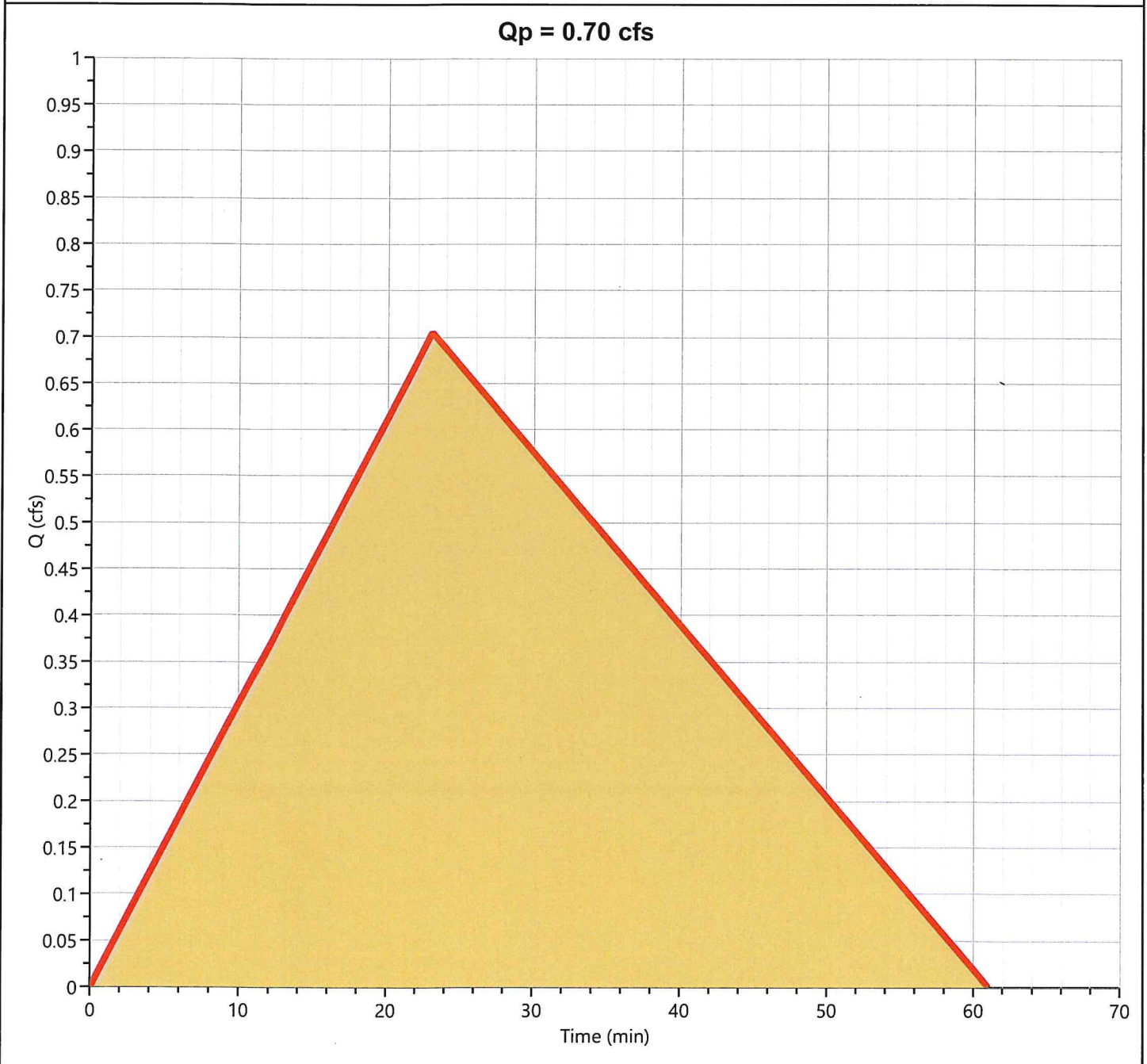
Hydrology Studio v 3.0.0.19

04-30-2021

Pre DA B @ AP 2

Hyd. No. 2

Hydrograph Type	= Rational	Peak Flow	= 0.705 cfs
Storm Frequency	= 2-yr	Time to Peak	= 0.38 hrs
Time Interval	= 1 min	Runoff Volume	= 1,298 cuft
Drainage Area	= 1.29 ac	Runoff Coeff.	= 0.24
Tc Method	= User	Time of Conc. (Tc)	= 23.0 min
IDF Curve	= Project0996.idf	Intensity	= 2.28 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

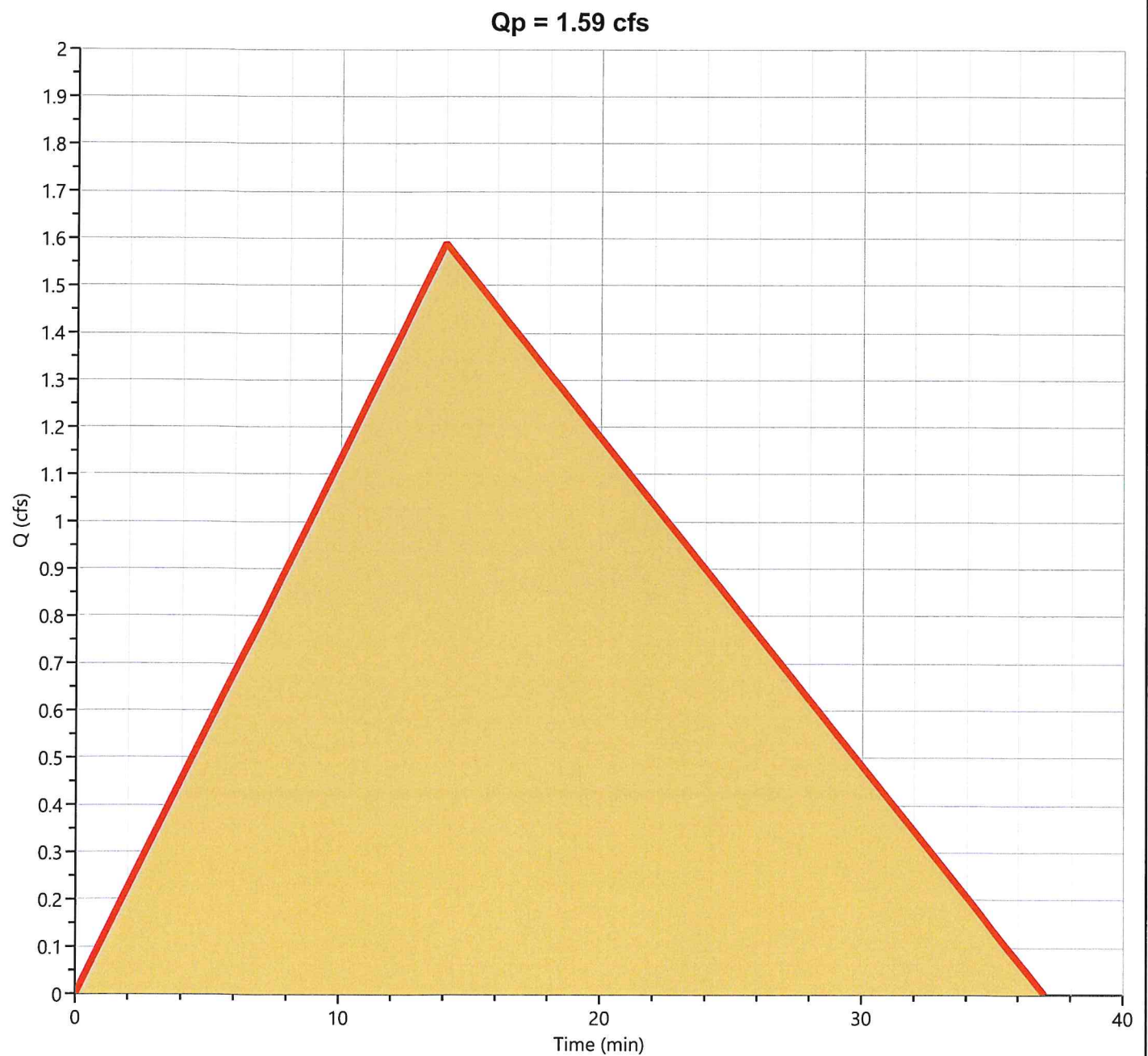
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA A1

Hyd. No. 3

Hydrograph Type	= Rational	Peak Flow	= 1.590 cfs
Storm Frequency	= 2-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Runoff Volume	= 1,783 cuft
Drainage Area	= 2.37 ac	Runoff Coeff.	= 0.22
Tc Method	= User	Time of Conc. (Tc)	= 14.0 min
IDF Curve	= Project0996.idf	Intensity	= 3.05 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

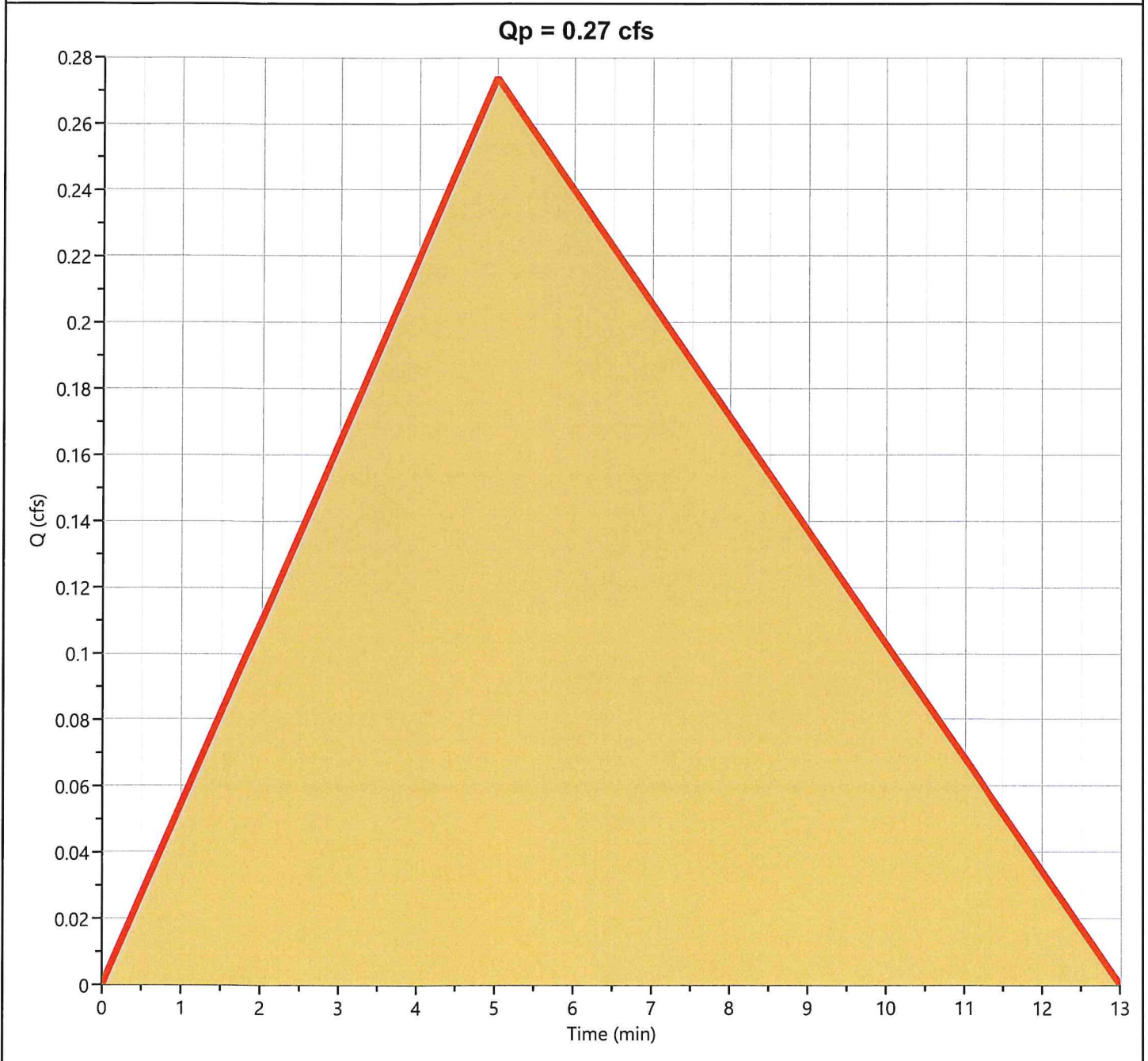
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA A2 (Roof)

Hyd. No. 4

Hydrograph Type	= Rational	Peak Flow	= 0.274 cfs
Storm Frequency	= 2-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 110 cuft
Drainage Area	= 0.06 ac	Runoff Coeff.	= 0.9
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 5.07 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA A2

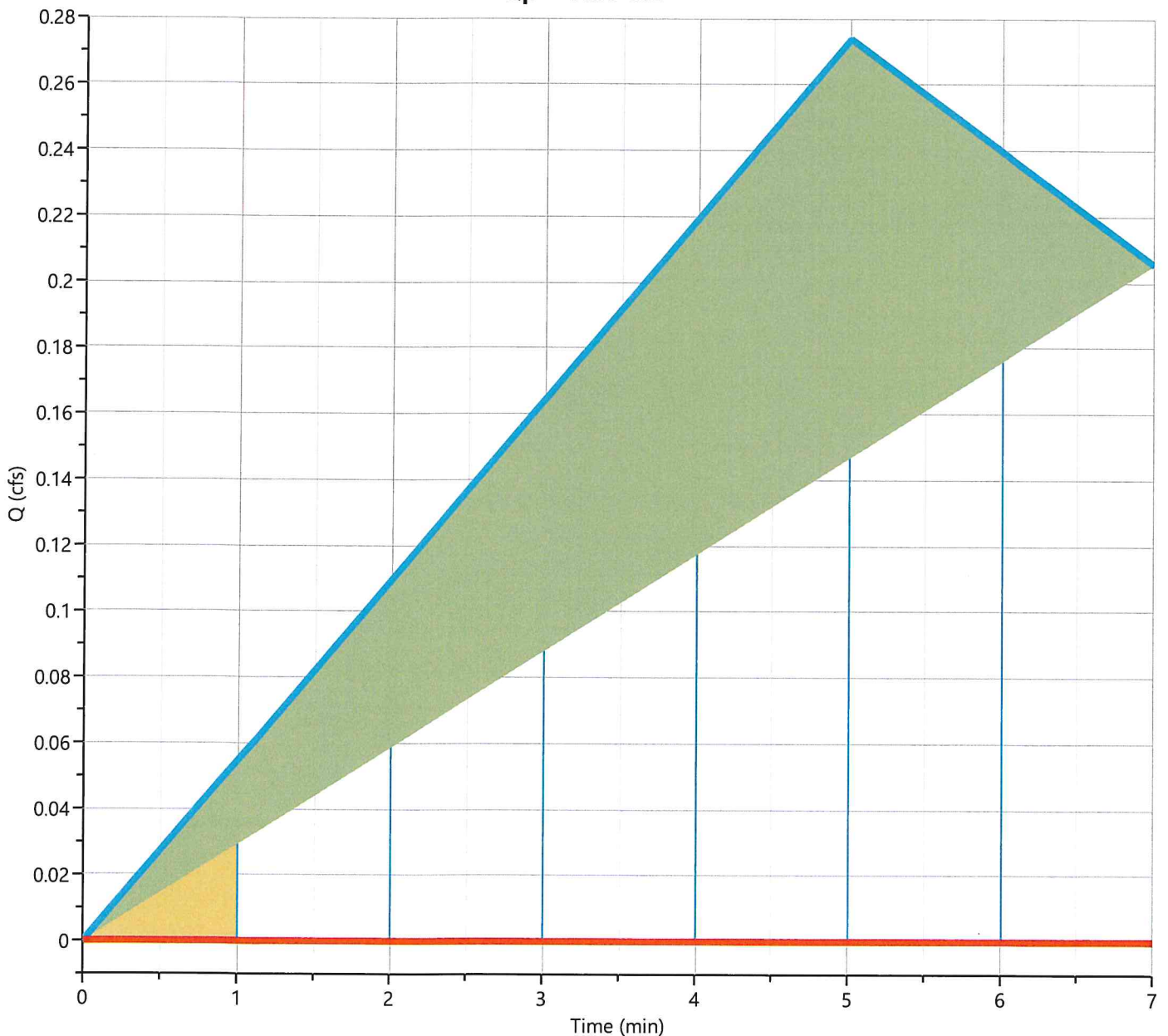
Hyd. No. 5

Hydrograph Type	= Pond Route	Peak Flow	= 0.000 cfs
Storm Frequency	= 2-yr	Time to Peak	= 0.10 hrs
Time Interval	= 1 min	Hydrograph Volume	= 0.000 cuft
Inflow Hydrograph	= 4 - DAA2 (Roof)	Max. Elevation	= 957.12 ft
Pond Name	= UGDB1	Max. Storage	= 93.0 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 1 min

Qp = 0.00 cfs



— Req'd Stor — DA A2 (Roof) — Route DA A2

Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

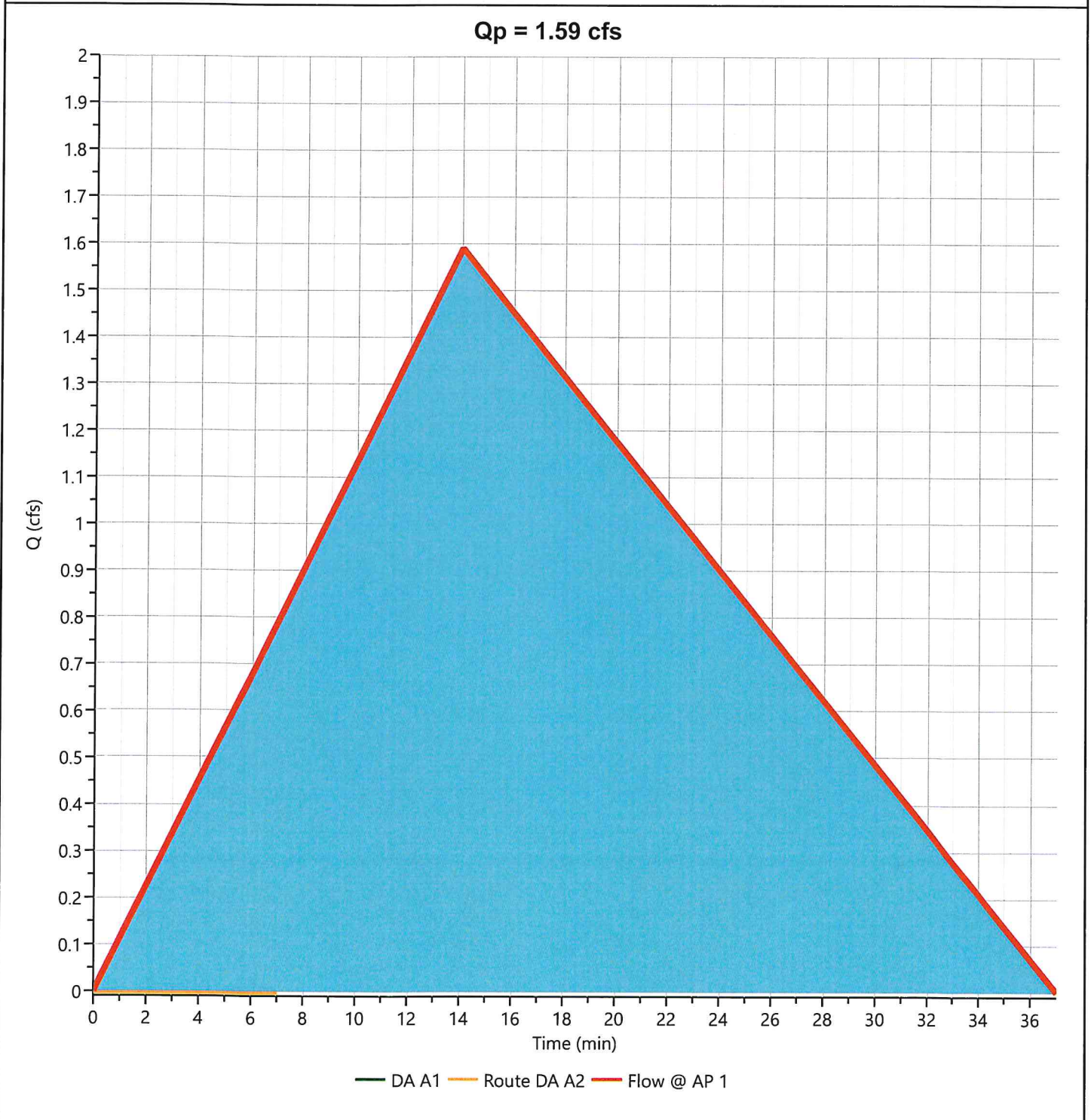
04-30-2021

Post Flow @ AP 1

Hyd. No. 6

Hydrograph Type = Junction
Storm Frequency = 2-yr
Time Interval = 1 min
Inflow Hydrographs = 3, 5

Peak Flow = 1.590 cfs
Time to Peak = 0.23 hrs
Hydrograph Volume = 1,765 cuft
Total Contrib. Area = 2.37 ac



Hydrograph Report

Project Name:

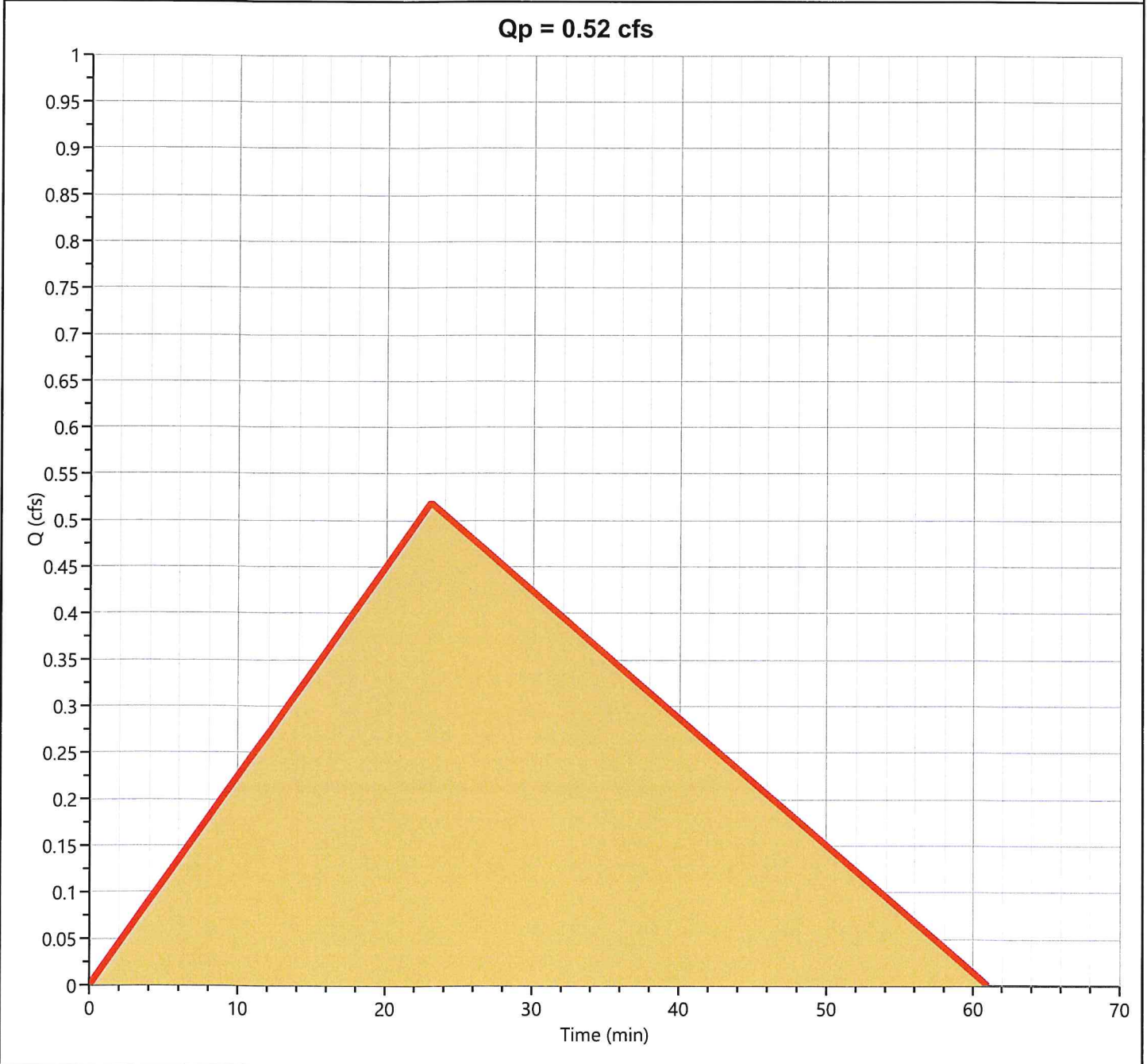
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B1

Hyd. No. 7

Hydrograph Type	= Rational	Peak Flow	= 0.519 cfs
Storm Frequency	= 2-yr	Time to Peak	= 0.38 hrs
Time Interval	= 1 min	Runoff Volume	= 956 cuft
Drainage Area	= 0.95 ac	Runoff Coeff.	= 0.24
Tc Method	= User	Time of Conc. (Tc)	= 23.0 min
IDF Curve	= Project0996.idf	Intensity	= 2.28 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

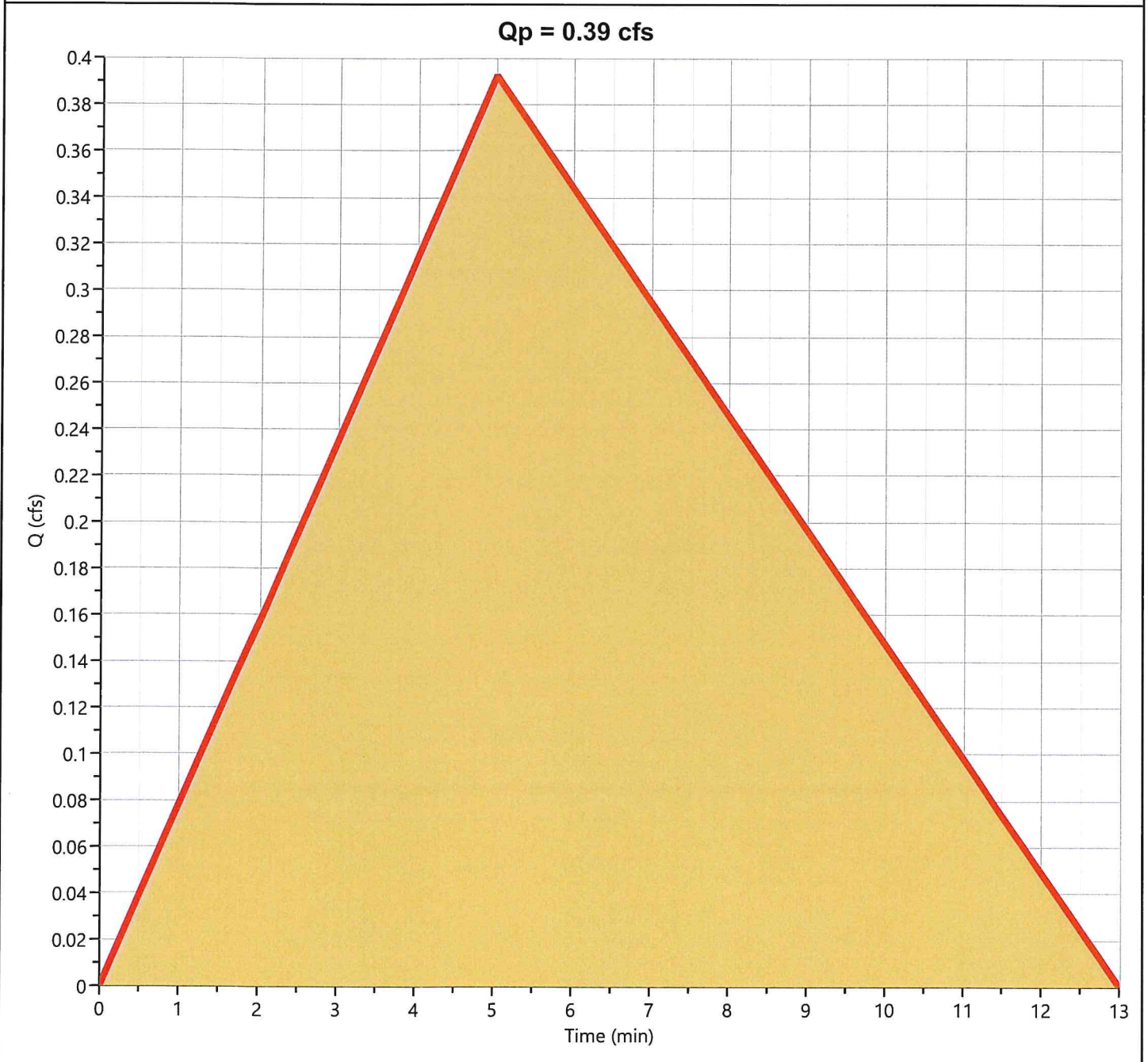
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B2

Hyd. No. 8

Hydrograph Type	= Rational	Peak Flow	= 0.393 cfs
Storm Frequency	= 2-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 157 cuft
Drainage Area	= 0.09 ac	Runoff Coeff.	= 0.86
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 5.07 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA B2

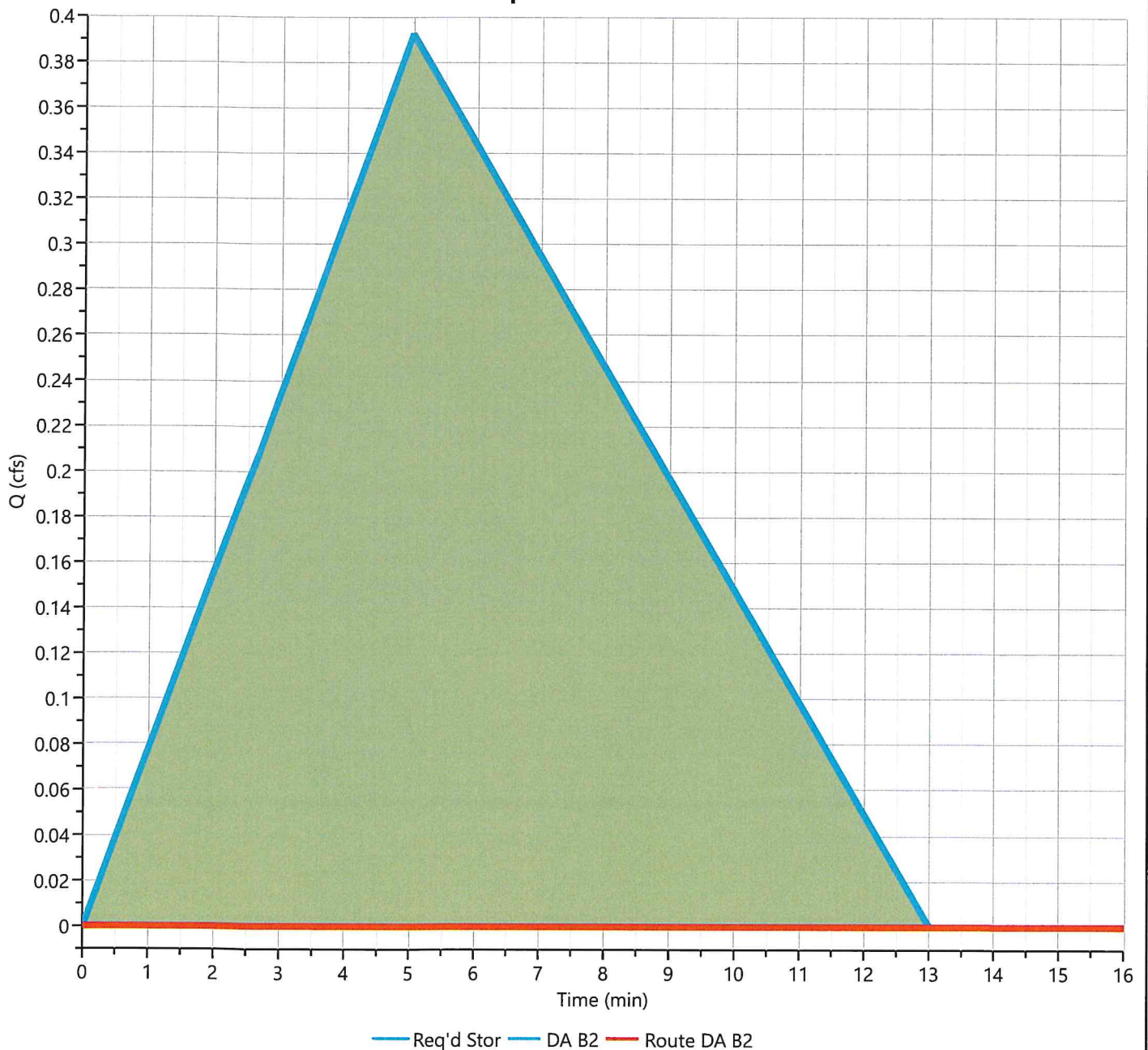
Hyd. No. 9

Hydrograph Type	= Pond Route	Peak Flow	= 0.000 cfs
Storm Frequency	= 2-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Hydrograph Volume	= 0.000 cuft
Inflow Hydrograph	= 8 - DA B2	Max. Elevation	= 959.59 ft
Pond Name	= UGB2	Max. Storage	= 137 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 9 min

Qp = 0.00 cfs



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B3

Hyd. No. 10

Hydrograph Type	= Rational	Peak Flow	= 0.835 cfs
Storm Frequency	= 2-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 335 cuft
Drainage Area	= 0.27 ac	Runoff Coeff.	= 0.61
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 5.07 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA B3

Hyd. No. 11

Hydrograph Type	= Pond Route	Peak Flow	= 0.000 cfs
Storm Frequency	= 2-yr	Time to Peak	= 0.00 hrs
Time Interval	= 1 min	Hydrograph Volume	= 0.000 cuft
Inflow Hydrograph	= 10 - DA B3	Max. Elevation	= 964.67 ft
Pond Name	= Rain Garden	Max. Storage	= 301 cuft

Pond Routing by Storage Indication Method

Qp = 0.00 cfs

Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

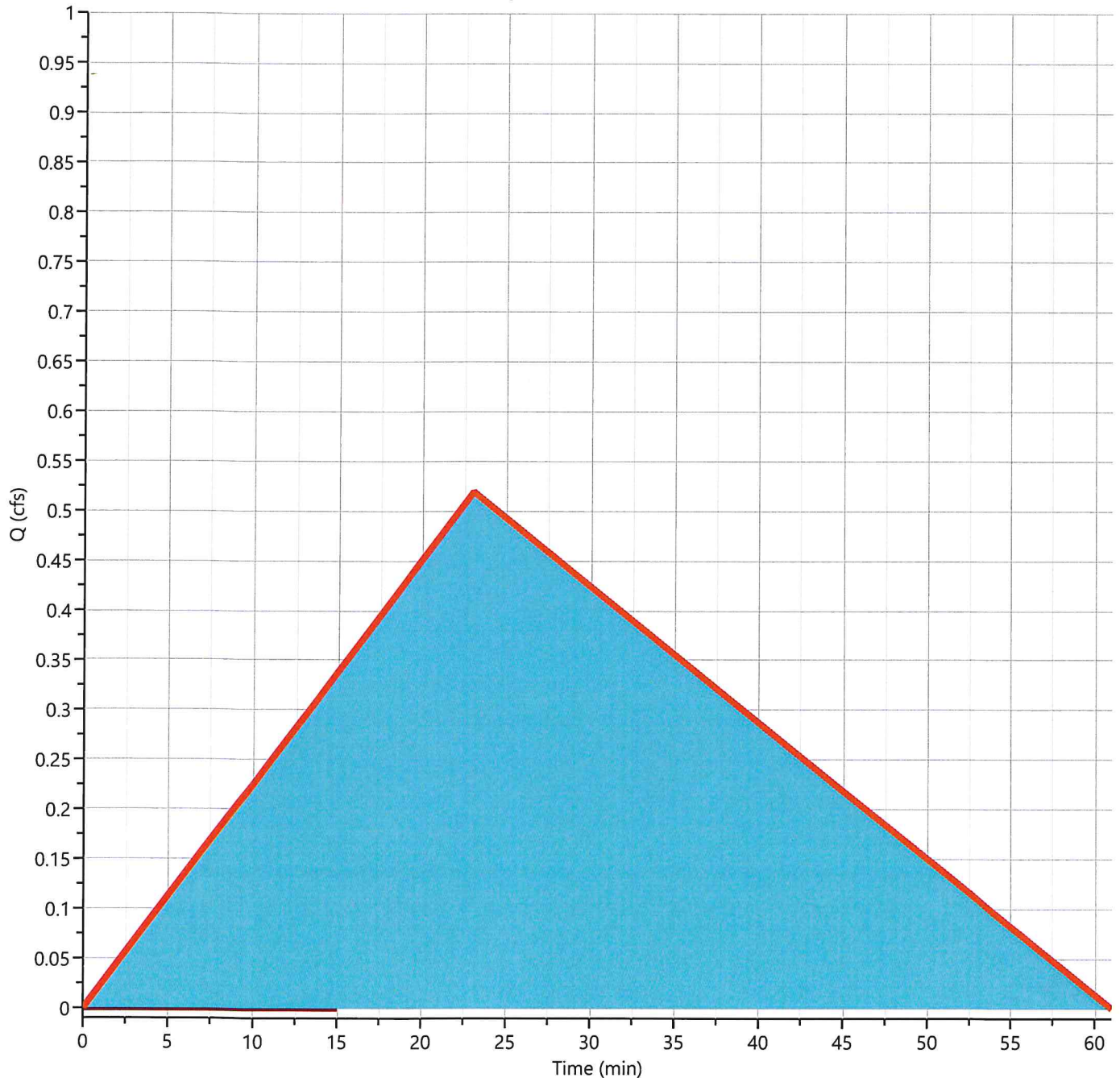
Post Flow @ AP2

Hyd. No. 12

Hydrograph Type = Junction
Storm Frequency = 2-yr
Time Interval = 1 min
Inflow Hydrographs = 7, 9, 11

Peak Flow = 0.519 cfs
Time to Peak = 0.38 hrs
Hydrograph Volume = 950 cuft
Total Contrib. Area = 0.95 ac

Qp = 0.52 cfs



— DA B1 — Route DA B2 — Flow @ AP2

DYMAR

5 YEAR STORM

Hydrograph 5-yr Summary

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

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	Rational	Pre DAA @ AP 1	2.060	0.23	2,310	----		
2	Rational	Pre DAB @ AP 2	0.878	0.38	1,617	----		
3	Rational	Post DAA1	1.984	0.23	2,225	----		
4	Rational	Post DAA2 (Roof)	0.341	0.08	137	----		
5	Pond Route	Route DAA2	0.000	0.47	0.000	4	957.38	118
6	Junction	Post Flow @ AP 1	1.984	0.23	2,202	3, 5		
7	Rational	Post DAB1	0.647	0.38	1,191	----		
8	Rational	Post DAB2	0.489	0.08	196	----		
9	Pond Route	Route DAB2	0.000	0.13	0.000	8	960.03	174
10	Rational	Post DAB3	1.040	0.08	417	----		
11	Pond Route	Route DAB3	0.000	2.73	0.000	10	964.84	379
12	Junction	Post Flow @ AP2	0.647	0.38	1,183	7, 9, 11		

Hydrograph Report

Project Name:

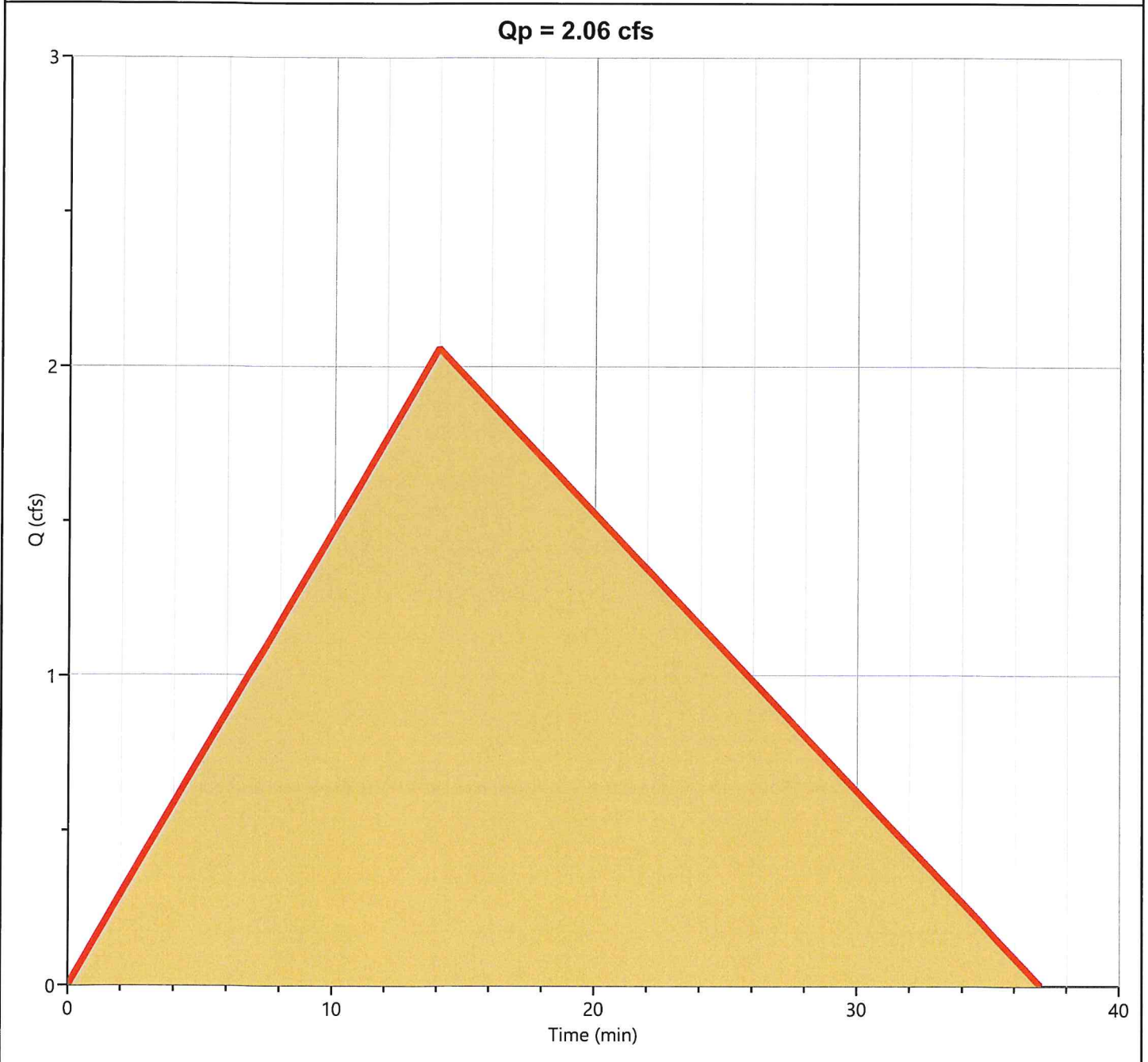
Hydrology Studio v 3.0.0.19

04-30-2021

Pre DA A @ AP 1

Hyd. No. 1

Hydrograph Type	= Rational	Peak Flow	= 2.060 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Runoff Volume	= 2,310 cuft
Drainage Area	= 2.46 ac	Runoff Coeff.	= 0.22
Tc Method	= User	Time of Conc. (Tc)	= 14.0 min
IDF Curve	= Project0996.idf	Intensity	= 3.81 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

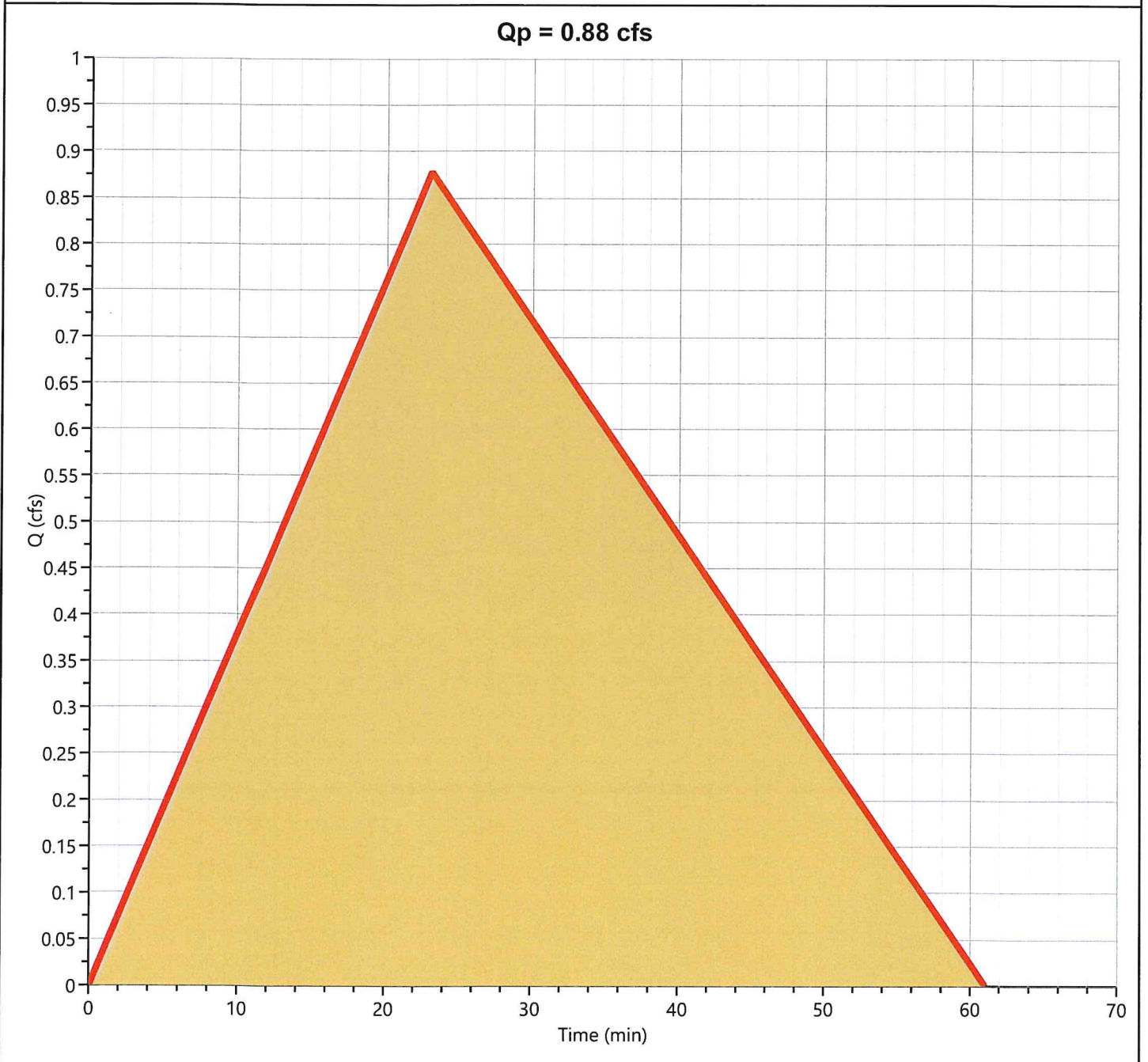
Hydrology Studio v 3.0.0.19

04-30-2021

Pre DA B @ AP 2

Hyd. No. 2

Hydrograph Type	= Rational	Peak Flow	= 0.878 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.38 hrs
Time Interval	= 1 min	Runoff Volume	= 1,617 cuft
Drainage Area	= 1.29 ac	Runoff Coeff.	= 0.24
Tc Method	= User	Time of Conc. (Tc)	= 23.0 min
IDF Curve	= Project0996.idf	Intensity	= 2.84 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

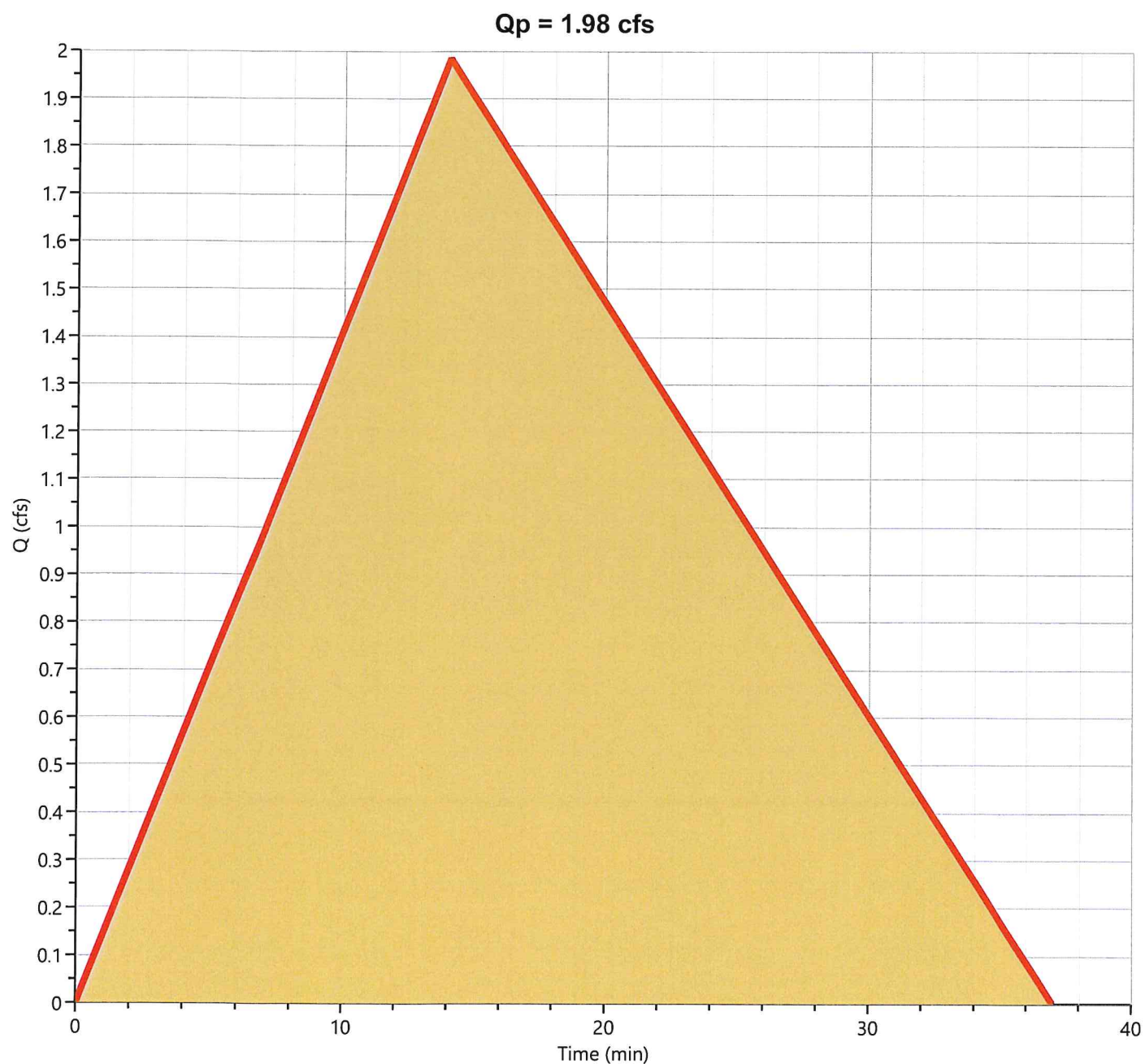
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA A1

Hyd. No. 3

Hydrograph Type	= Rational	Peak Flow	= 1.984 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Runoff Volume	= 2,225 cuft
Drainage Area	= 2.37 ac	Runoff Coeff.	= 0.22
Tc Method	= User	Time of Conc. (Tc)	= 14.0 min
IDF Curve	= Project0996.idf	Intensity	= 3.81 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

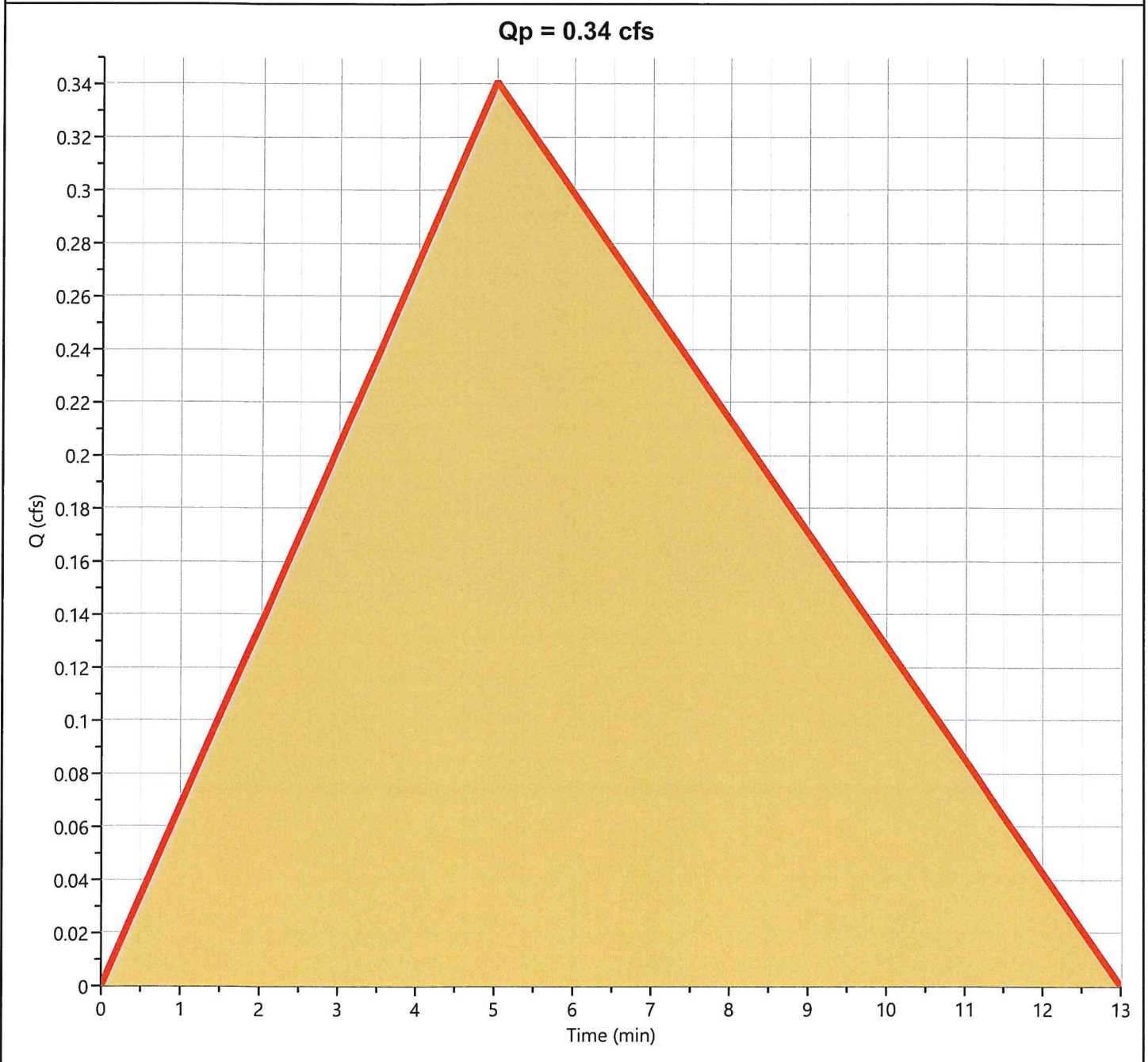
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA A2 (Roof)

Hyd. No. 4

Hydrograph Type	= Rational	Peak Flow	= 0.341 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 137 cuft
Drainage Area	= 0.06 ac	Runoff Coeff.	= 0.9
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 6.32 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA A2

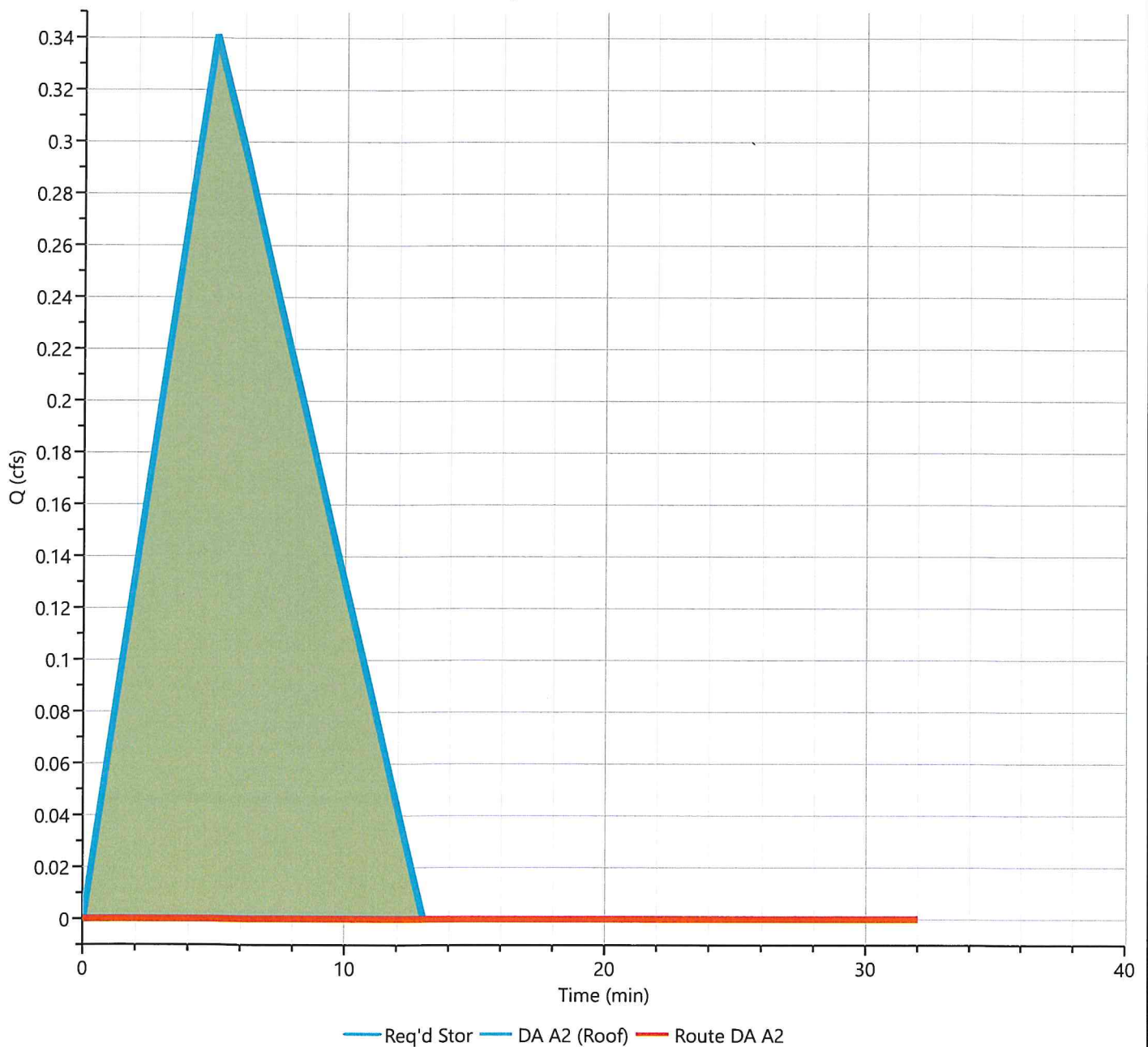
Hyd. No. 5

Hydrograph Type	= Pond Route	Peak Flow	= 0.000 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.47 hrs
Time Interval	= 1 min	Hydrograph Volume	= 0.000 cuft
Inflow Hydrograph	= 4 - DAA2 (Roof)	Max. Elevation	= 957.38 ft
Pond Name	= UGDB1	Max. Storage	= 118 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 42 min

Qp = 0.00 cfs



Hydrograph Report

Project Name:

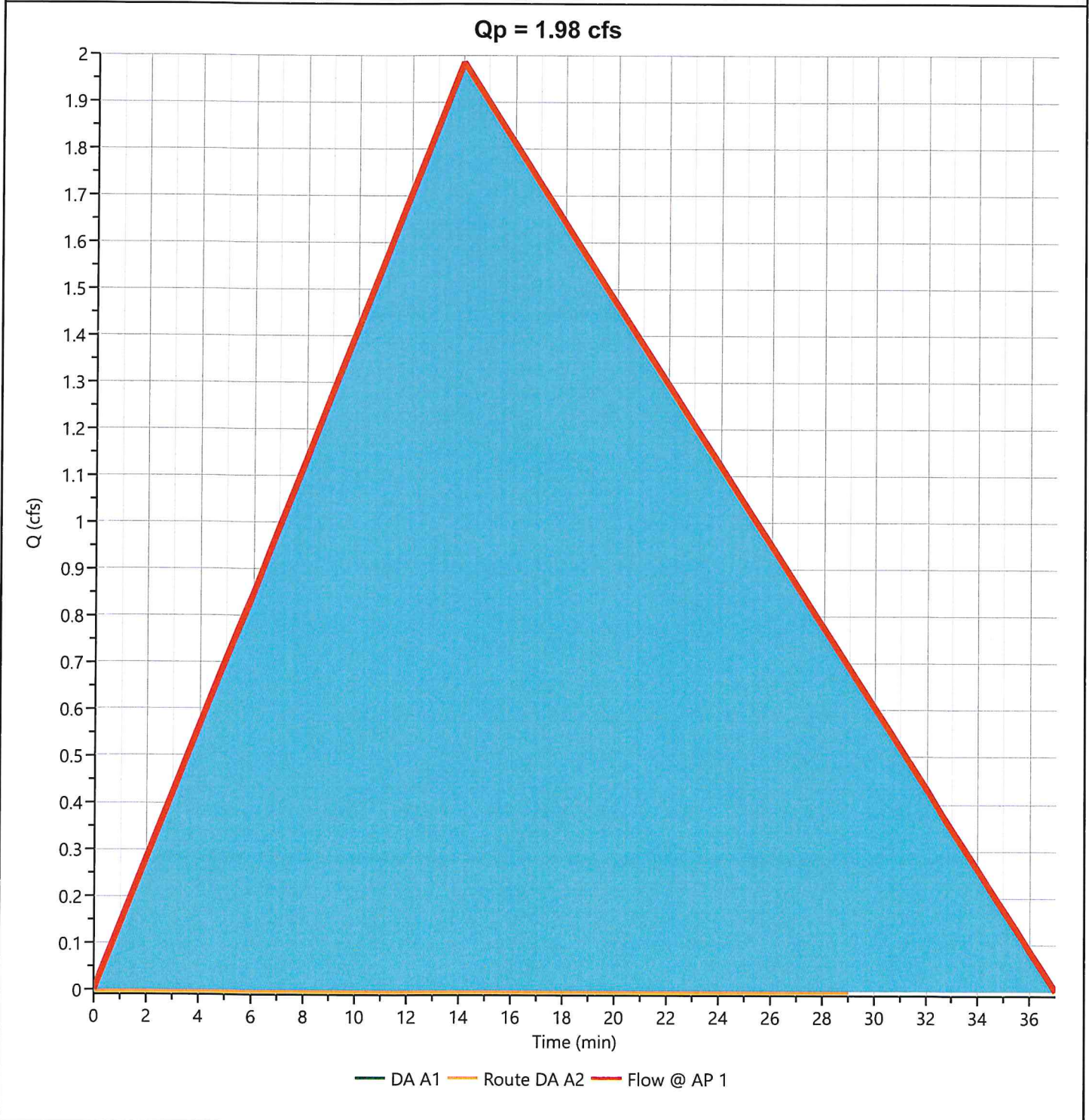
Hydrology Studio v 3.0.0.19

04-30-2021

Post Flow @ AP 1

Hyd. No. 6

Hydrograph Type	= Junction	Peak Flow	= 1.984 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Hydrograph Volume	= 2,202 cuft
Inflow Hydrographs	= 3, 5	Total Contrib. Area	= 2.37 ac



Hydrograph Report

Project Name:

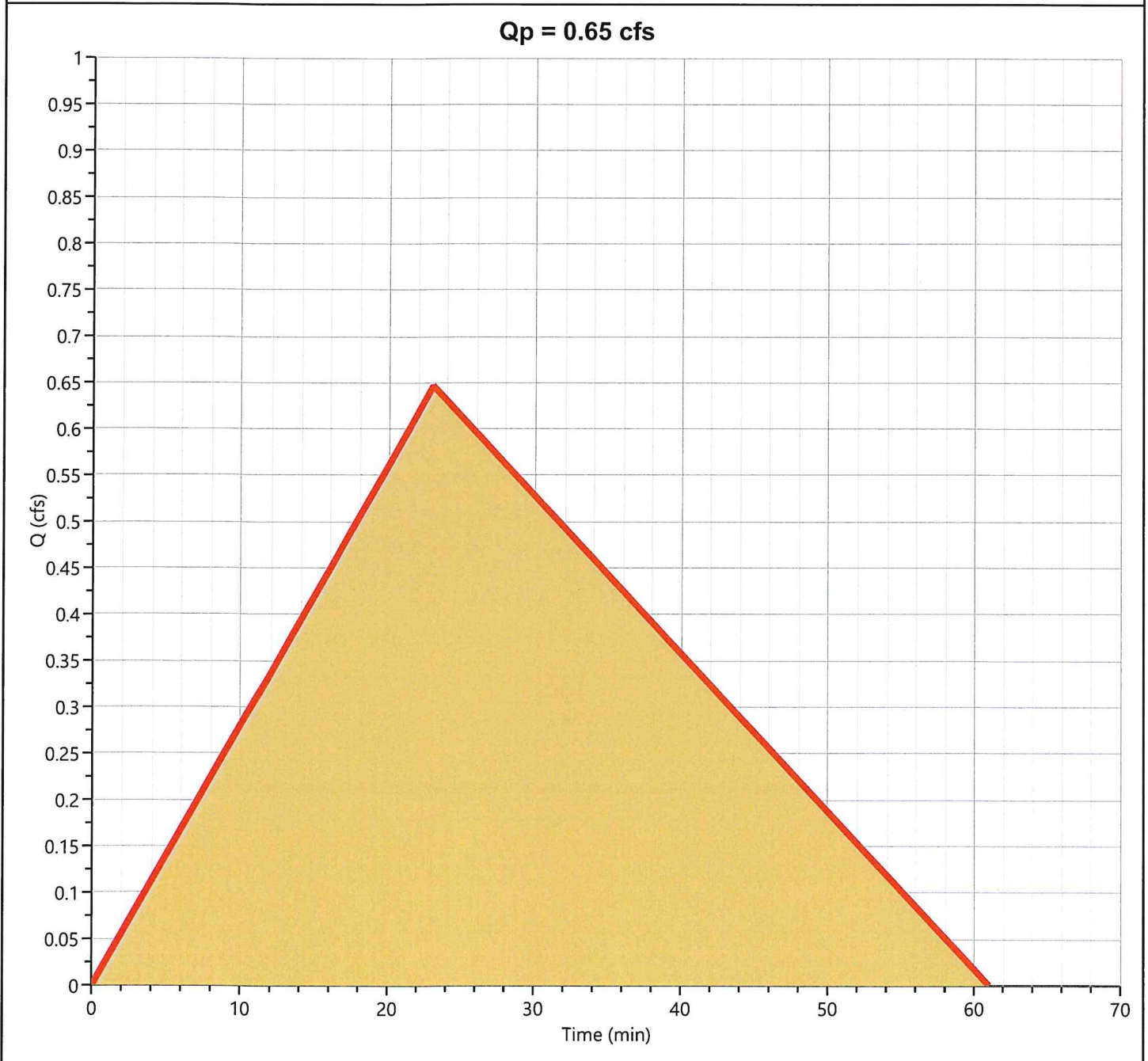
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B1

Hyd. No. 7

Hydrograph Type	= Rational	Peak Flow	= 0.647 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.38 hrs
Time Interval	= 1 min	Runoff Volume	= 1,191 cuft
Drainage Area	= 0.95 ac	Runoff Coeff.	= 0.24
Tc Method	= User	Time of Conc. (Tc)	= 23.0 min
IDF Curve	= Project0996.idf	Intensity	= 2.84 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

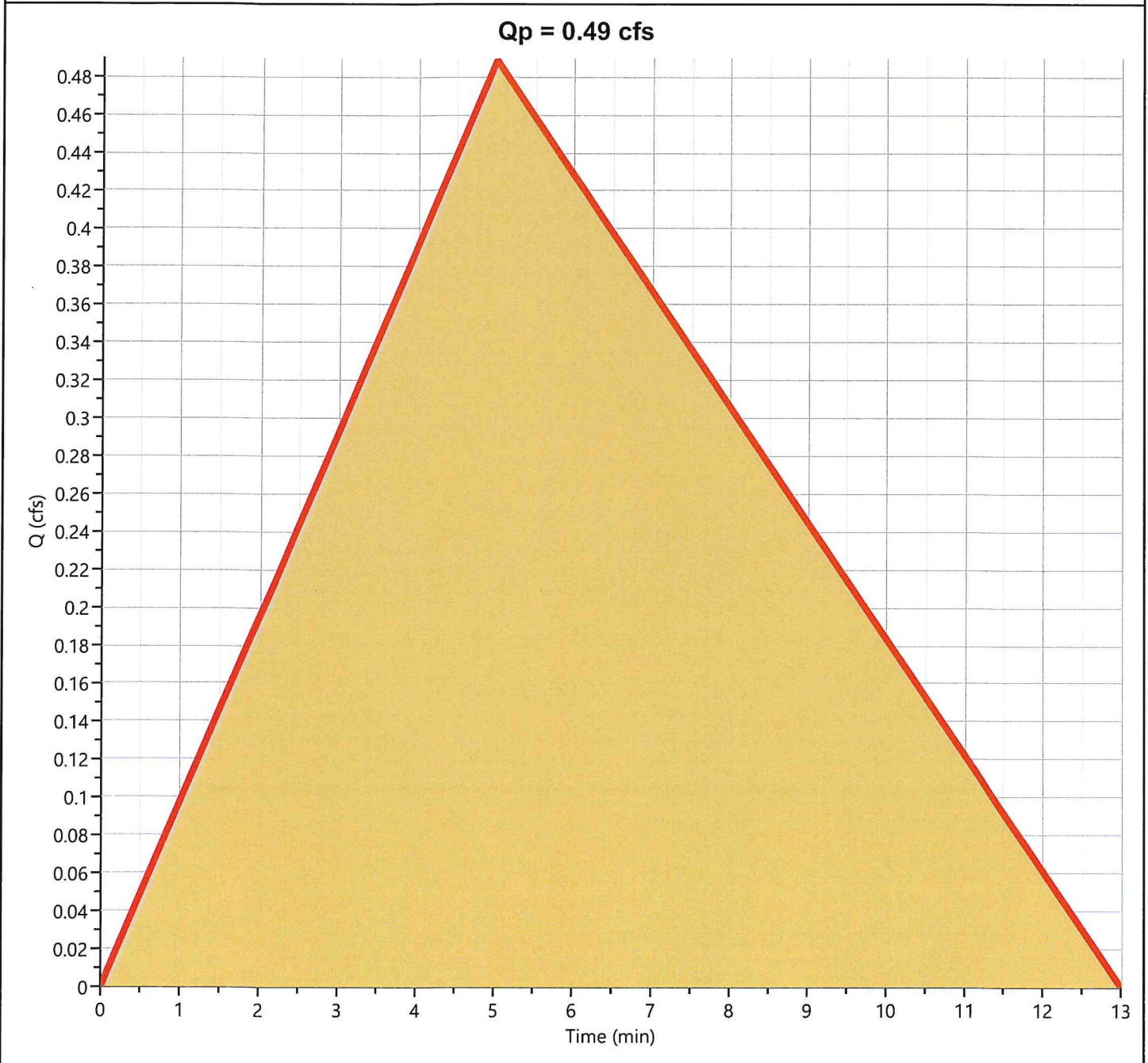
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B2

Hyd. No. 8

Hydrograph Type	= Rational	Peak Flow	= 0.489 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 196 cuft
Drainage Area	= 0.09 ac	Runoff Coeff.	= 0.86
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 6.32 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA B2

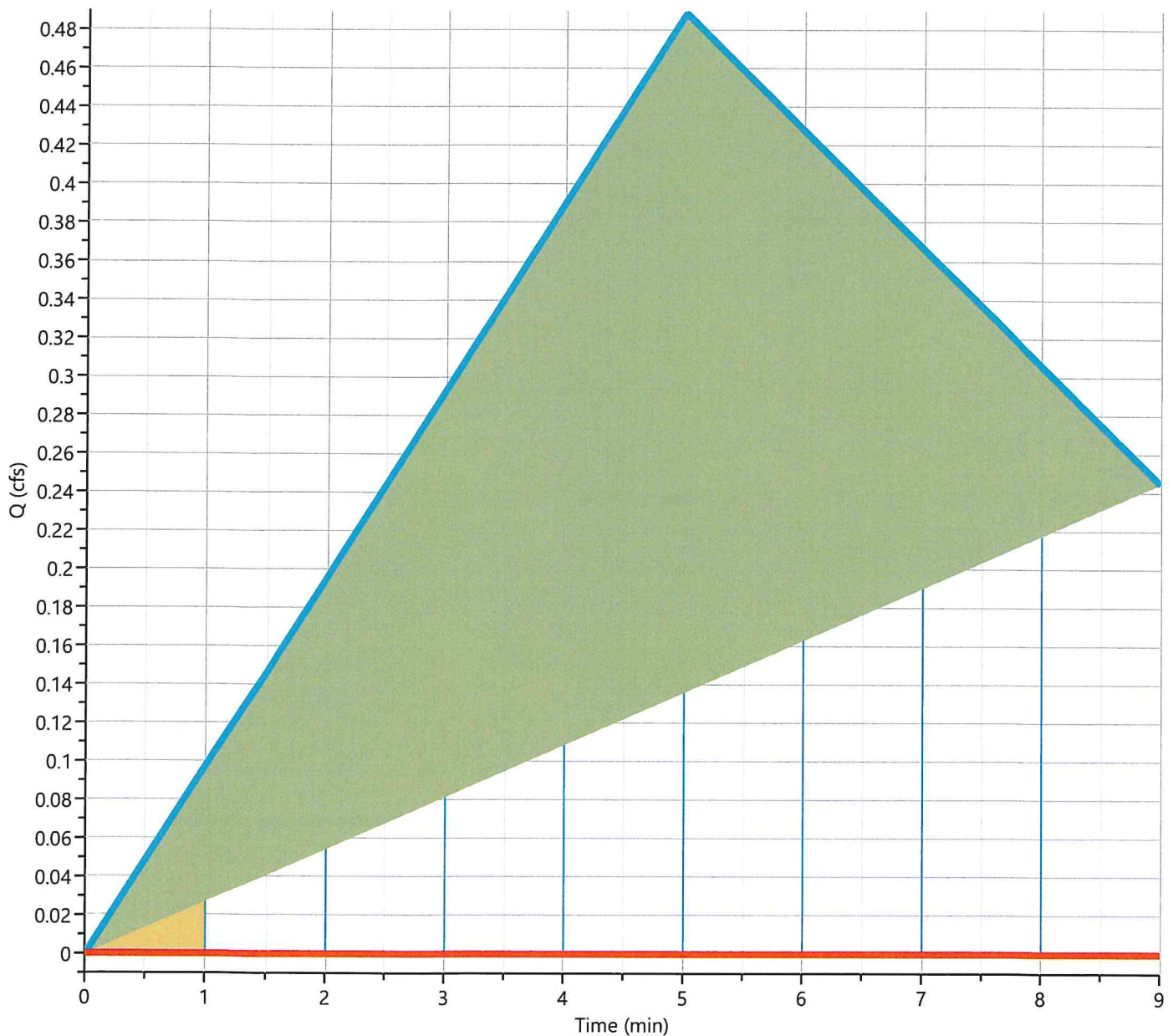
Hyd. No. 9

Hydrograph Type	= Pond Route	Peak Flow	= 0.000 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.13 hrs
Time Interval	= 1 min	Hydrograph Volume	= 0.000 cuft
Inflow Hydrograph	= 8 - DA B2	Max. Elevation	= 960.03 ft
Pond Name	= UGB2	Max. Storage	= 174 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 3 min

Qp = 0.00 cfs



— Req'd Stor — DA B2 — Route DA B2

Hydrograph Report

Project Name:

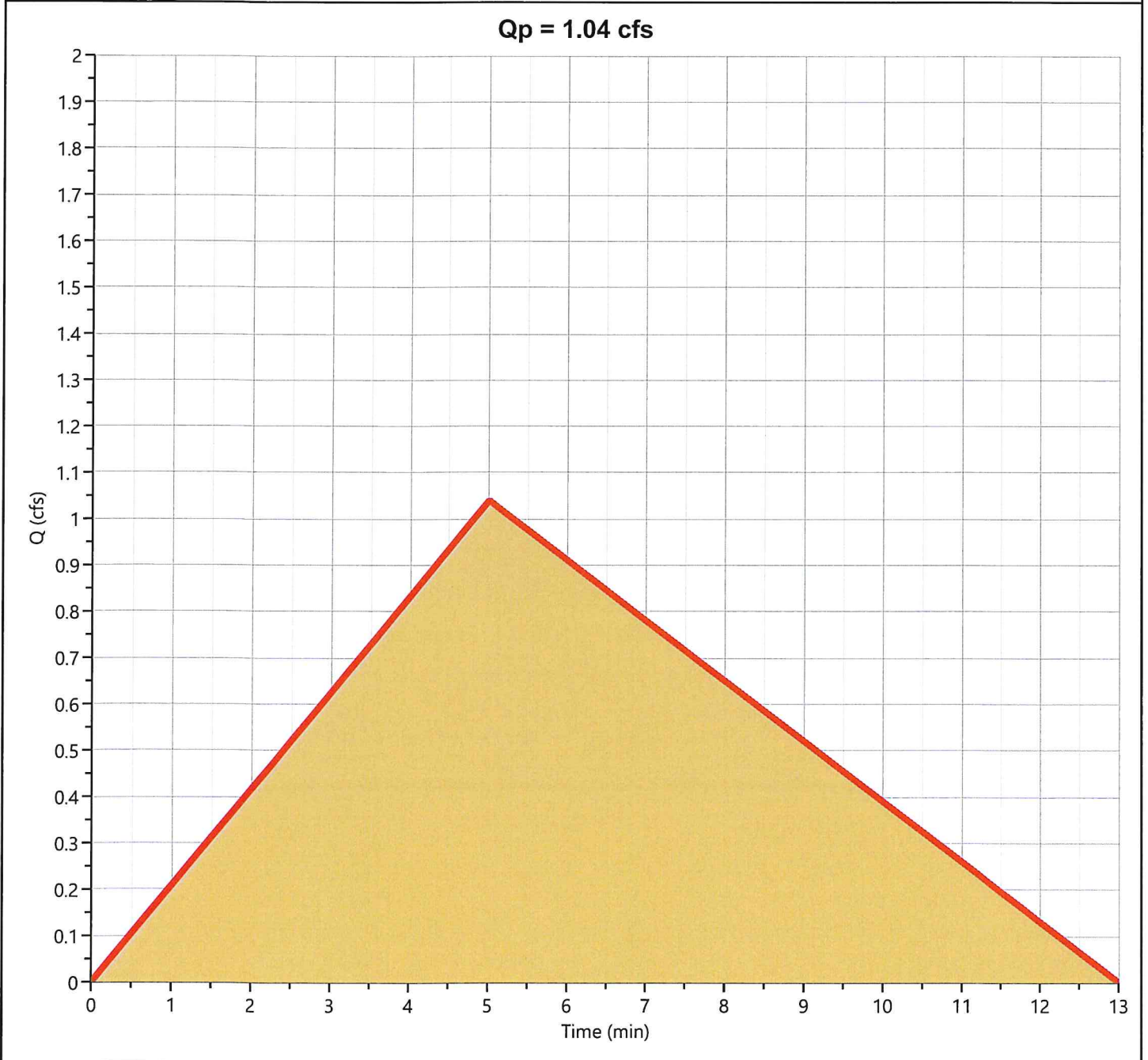
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B3

Hyd. No. 10

Hydrograph Type	= Rational	Peak Flow	= 1.040 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 417 cuft
Drainage Area	= 0.27 ac	Runoff Coeff.	= 0.61
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 6.32 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA B3

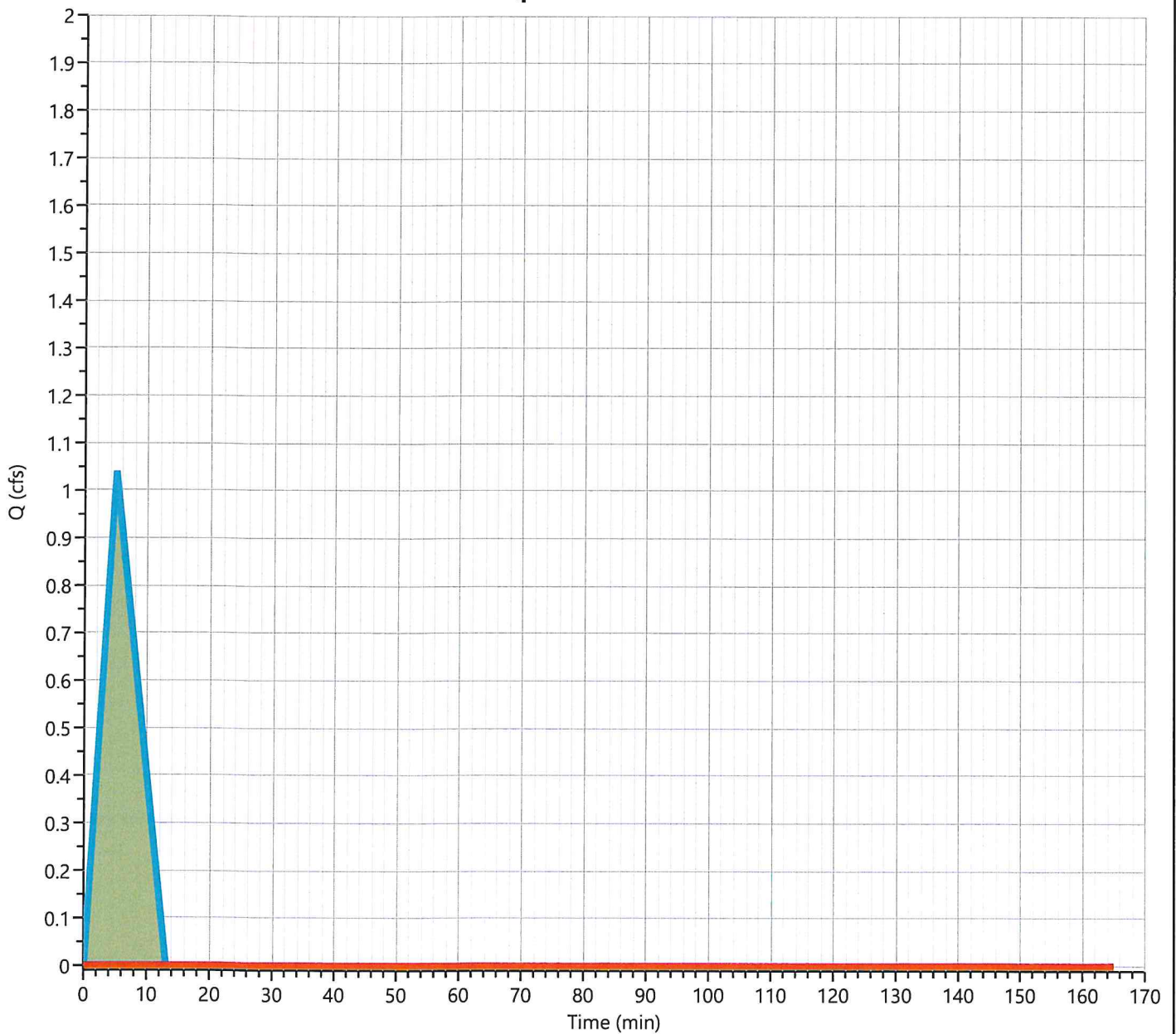
Hyd. No. 11

Hydrograph Type	= Pond Route	Peak Flow	= 0.000 cfs
Storm Frequency	= 5-yr	Time to Peak	= 2.73 hrs
Time Interval	= 1 min	Hydrograph Volume	= 0.000 cuft
Inflow Hydrograph	= 10 - DA B3	Max. Elevation	= 964.84 ft
Pond Name	= Rain Garden	Max. Storage	= 379 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 5.33 hrs

Qp = 0.00 cfs



— Req'd Stor — DA B3 — Route DA B3

Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

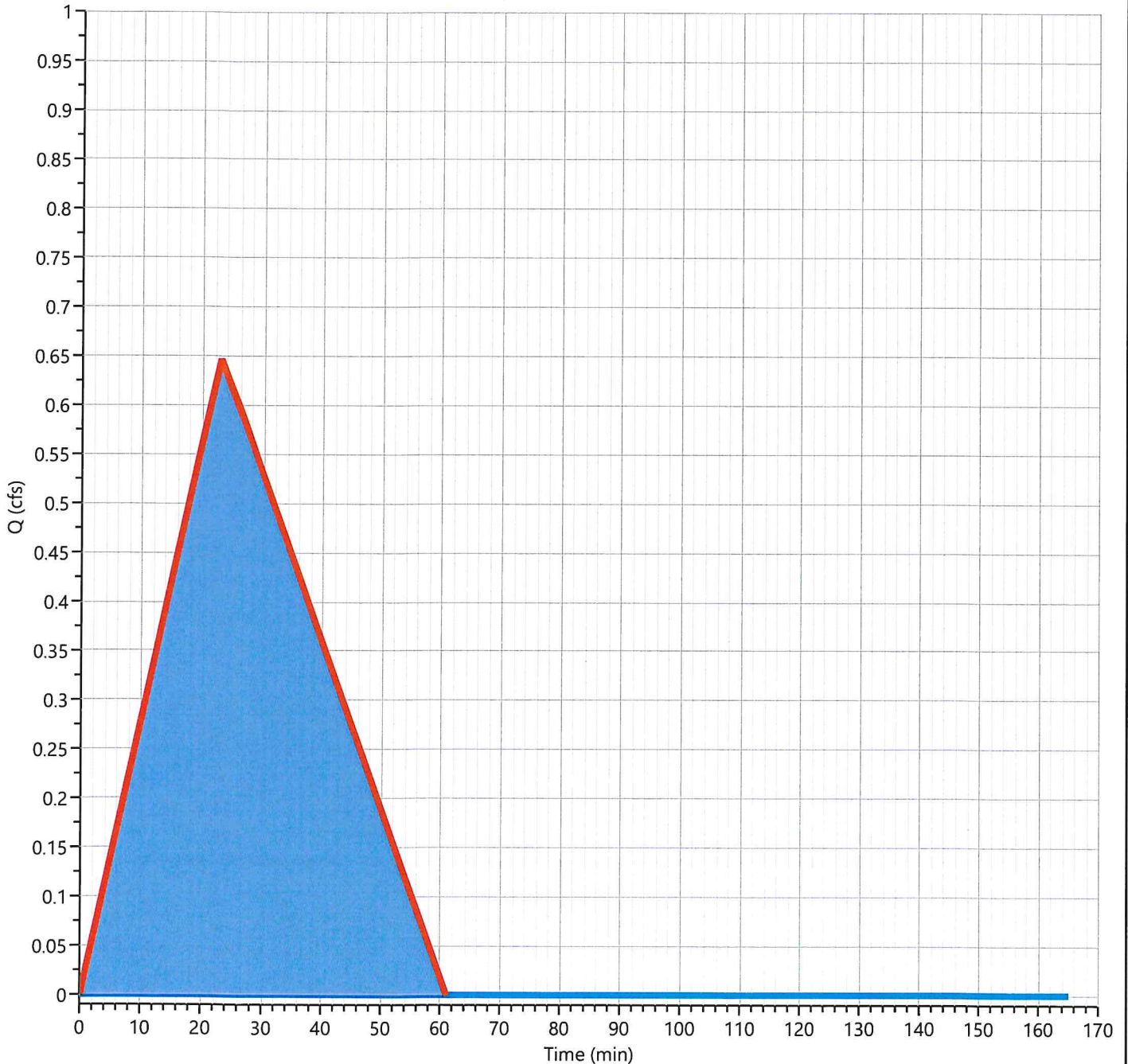
04-30-2021

Post Flow @ AP2

Hyd. No. 12

Hydrograph Type	= Junction	Peak Flow	= 0.647 cfs
Storm Frequency	= 5-yr	Time to Peak	= 0.38 hrs
Time Interval	= 1 min	Hydrograph Volume	= 1,183 cuft
Inflow Hydrographs	= 7, 9, 11	Total Contrib. Area	= 0.95 ac

Qp = 0.65 cfs



— DA B1 — Route DA B2 — Route DA B3 — Flow @ AP2

DYMAR

10 YEAR STORM

Hydrograph 10-yr Summary

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

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	Rational	Pre DAA @ AP 1	2.393	0.23	2,683	----		
2	Rational	Pre DA B @ AP 2	1.020	0.38	1,880	----		
3	Rational	Post DAA1	2.305	0.23	2,585	----		
4	Rational	Post DAA2 (Roof)	0.397	0.08	159	----		
5	Pond Route	Route DAA2	0.000	0.70	0.000	4	957.60	139
6	Junction	Post Flow @ AP 1	2.305	0.23	2,559	3, 5		
7	Rational	Post DA B1	0.751	0.38	1,384	----		
8	Rational	Post DA B2	0.568	0.08	228	----		
9	Pond Route	Route DA B2	0.146	0.18	14.1	8	960.35	194
10	Rational	Post DA B3	1.210	0.08	484	----		
11	Pond Route	Route DA B3	0.000	3.08	0.000	10	964.99	443
12	Junction	Post Flow @ AP2	0.751	0.38	1,389	7, 9, 11		

Hydrograph Report

Project Name:

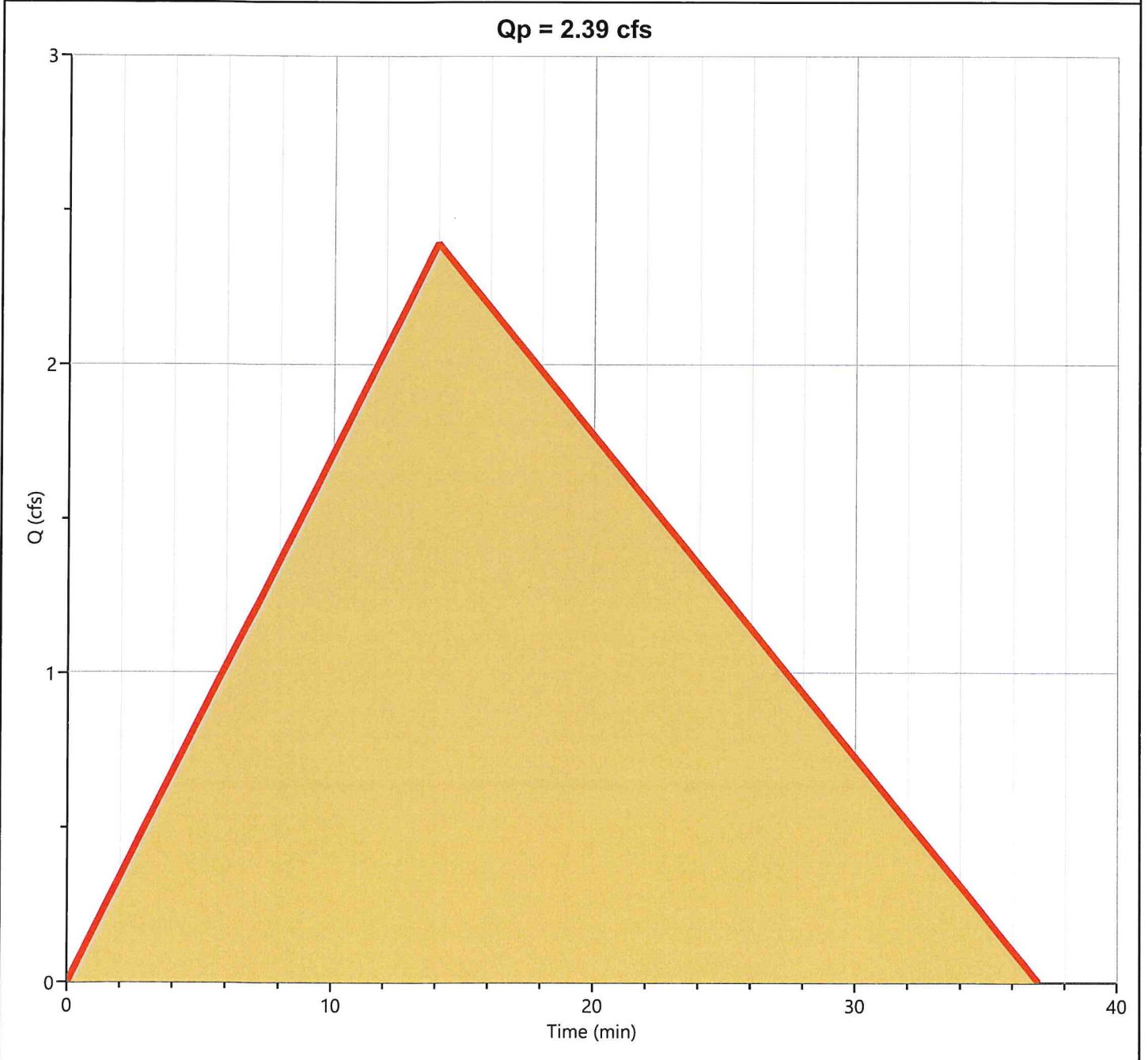
Hydrology Studio v 3.0.0.19

04-30-2021

Pre DA A @ AP 1

Hyd. No. 1

Hydrograph Type	= Rational	Peak Flow	= 2.393 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Runoff Volume	= 2,683 cuft
Drainage Area	= 2.46 ac	Runoff Coeff.	= 0.22
Tc Method	= User	Time of Conc. (Tc)	= 14.0 min
IDF Curve	= Project0996.idf	Intensity	= 4.42 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

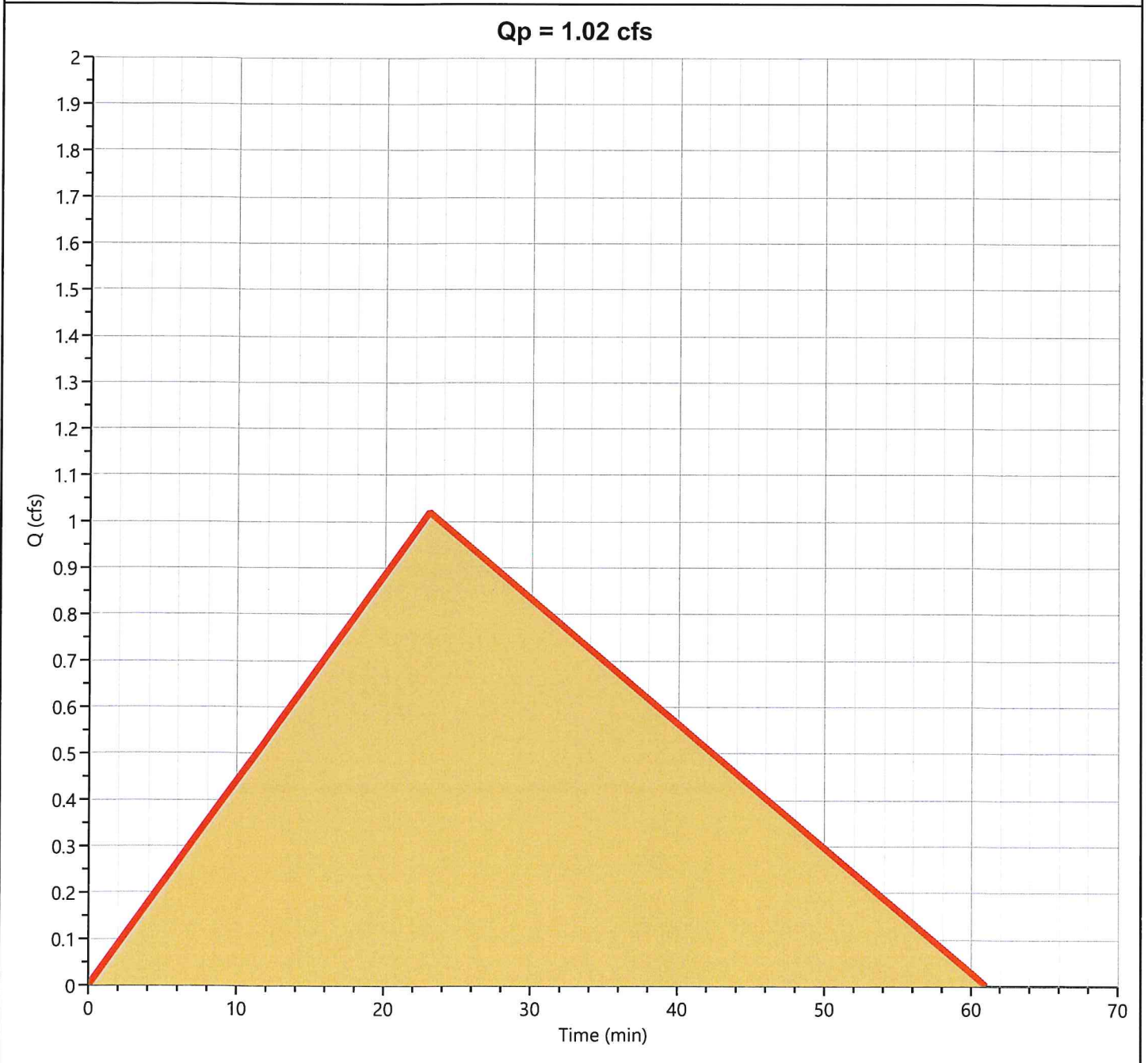
Hydrology Studio v 3.0.0.19

04-30-2021

Pre DA B @ AP 2

Hyd. No. 2

Hydrograph Type	= Rational	Peak Flow	= 1.020 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.38 hrs
Time Interval	= 1 min	Runoff Volume	= 1,880 cuft
Drainage Area	= 1.29 ac	Runoff Coeff.	= 0.24
Tc Method	= User	Time of Conc. (Tc)	= 23.0 min
IDF Curve	= Project0996.idf	Intensity	= 3.30 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

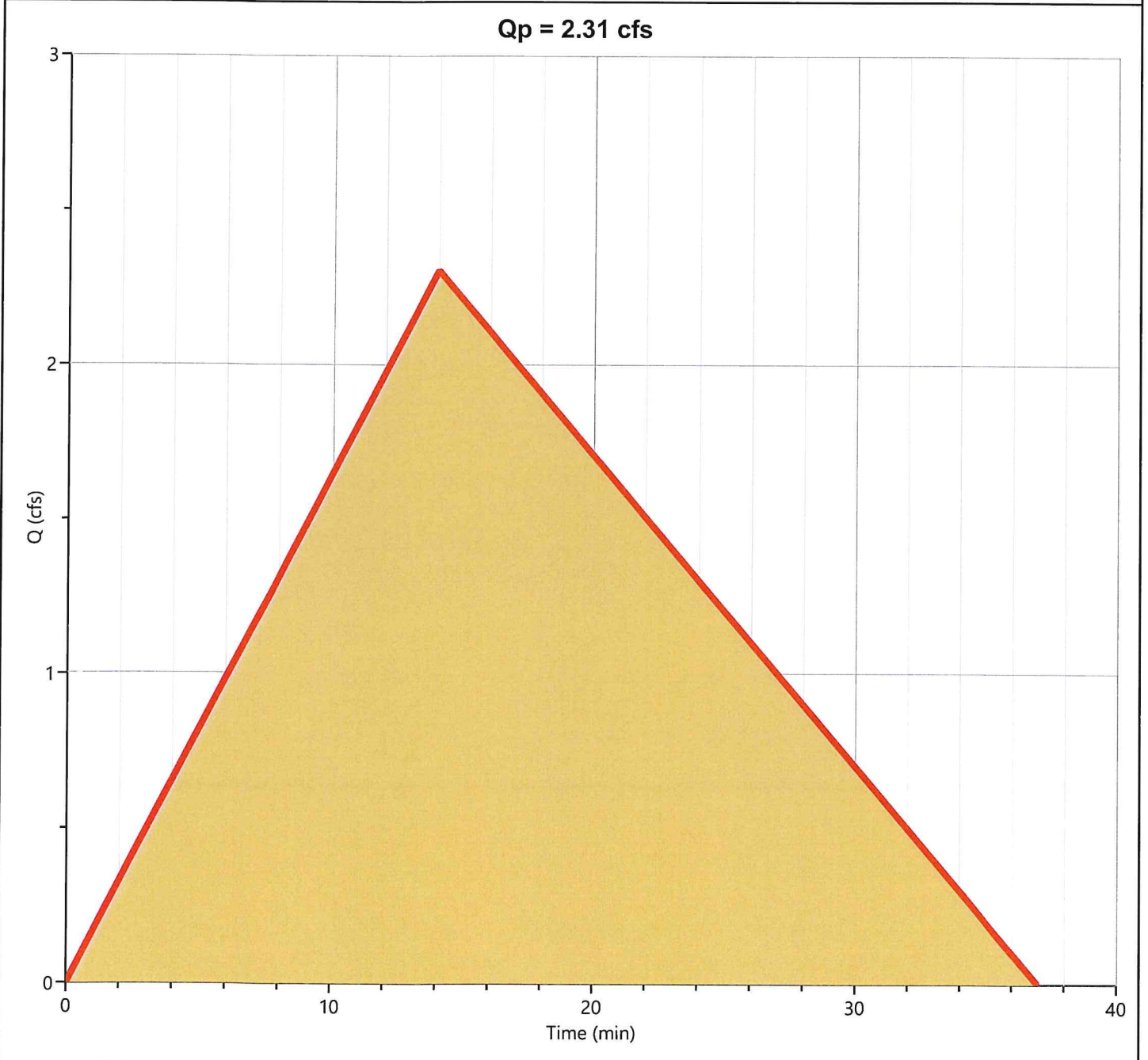
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA A1

Hyd. No. 3

Hydrograph Type	= Rational	Peak Flow	= 2.305 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Runoff Volume	= 2,585 cuft
Drainage Area	= 2.37 ac	Runoff Coeff.	= 0.22
Tc Method	= User	Time of Conc. (Tc)	= 14.0 min
IDF Curve	= Project0996.idf	Intensity	= 4.42 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

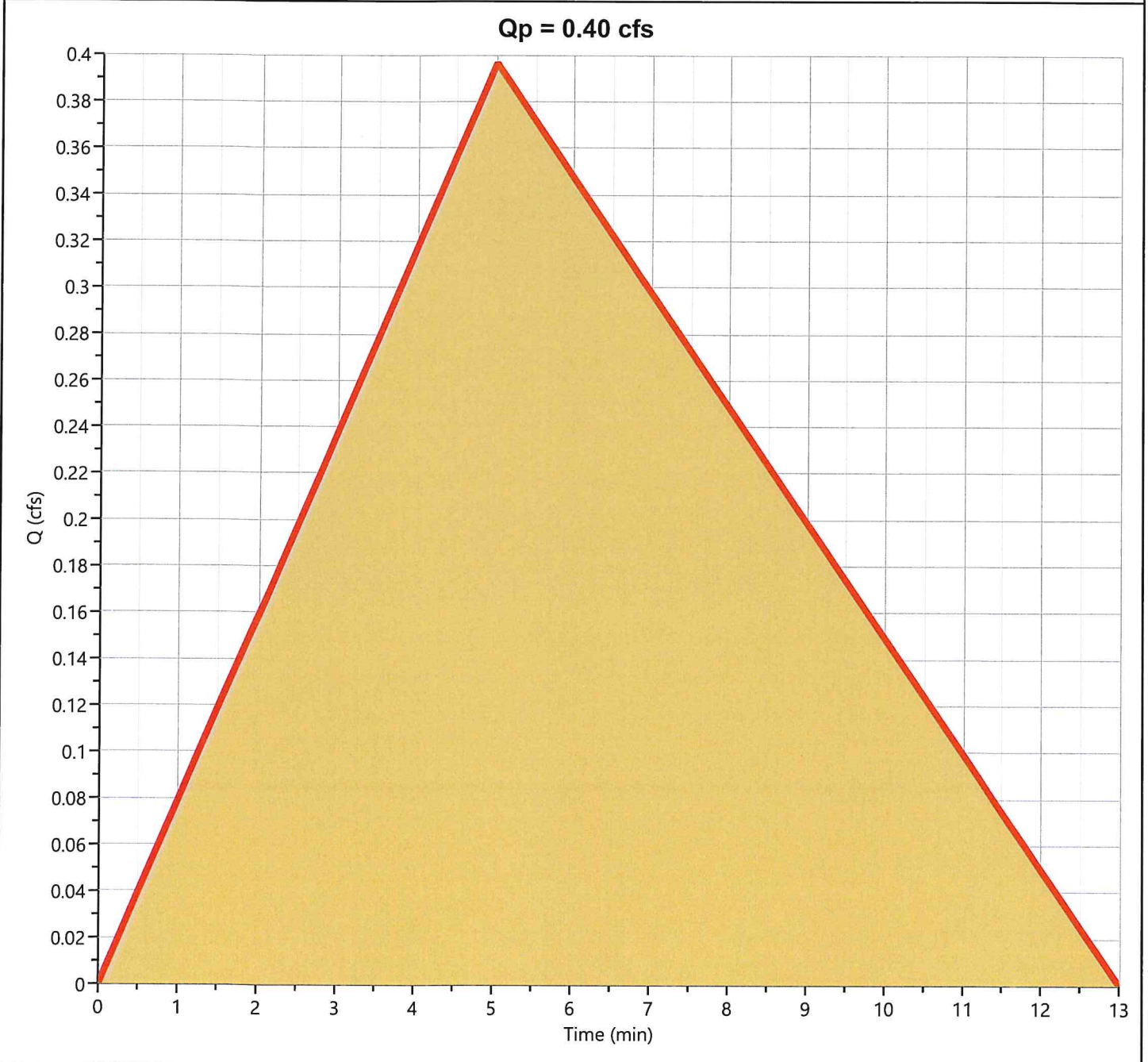
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA A2 (Roof)

Hyd. No. 4

Hydrograph Type	= Rational	Peak Flow	= 0.397 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 159 cuft
Drainage Area	= 0.06 ac	Runoff Coeff.	= 0.9
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 7.34 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA A2

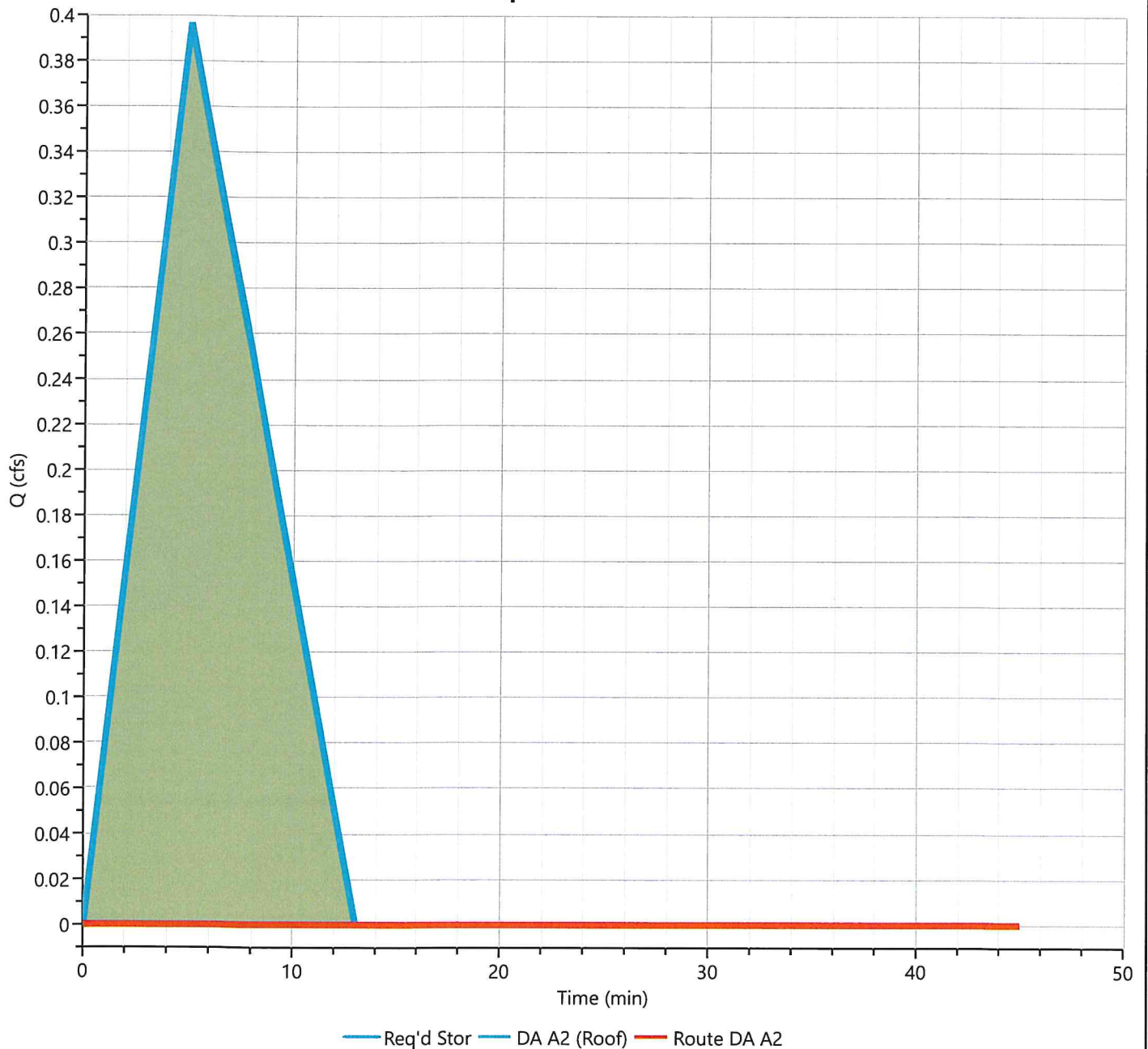
Hyd. No. 5

Hydrograph Type	= Pond Route	Peak Flow	= 0.000 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.70 hrs
Time Interval	= 1 min	Hydrograph Volume	= 0.000 cuft
Inflow Hydrograph	= 4 - DA A2 (Roof)	Max. Elevation	= 957.60 ft
Pond Name	= UGDB1	Max. Storage	= 139 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 21 min

Qp = 0.00 cfs



Hydrograph Report

Project Name:

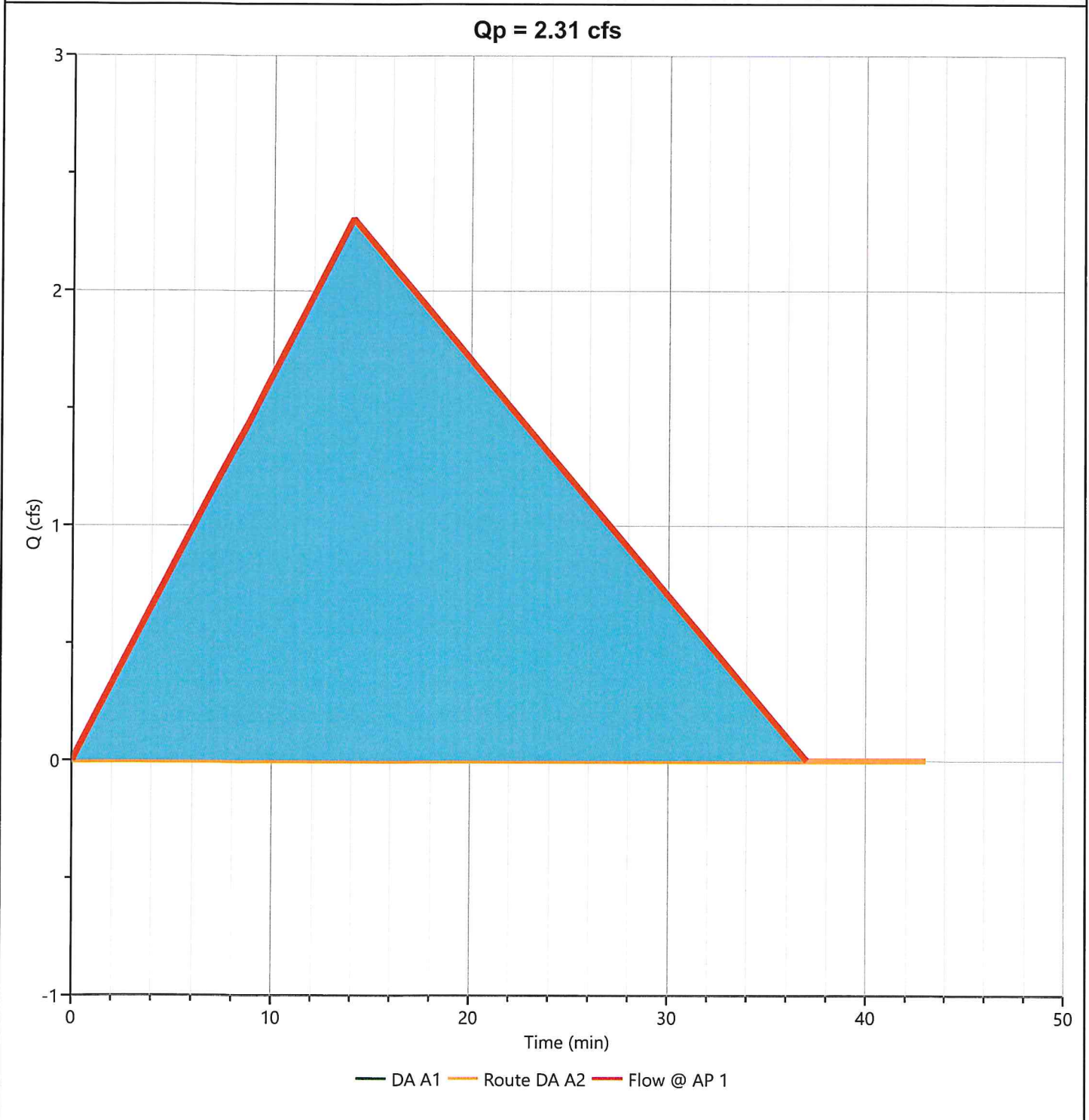
Hydrology Studio v 3.0.0.19

04-30-2021

Post Flow @ AP 1

Hyd. No. 6

Hydrograph Type	= Junction	Peak Flow	= 2.305 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Hydrograph Volume	= 2,559 cuft
Inflow Hydrographs	= 3, 5	Total Contrib. Area	= 2.37 ac



Hydrograph Report

Project Name:

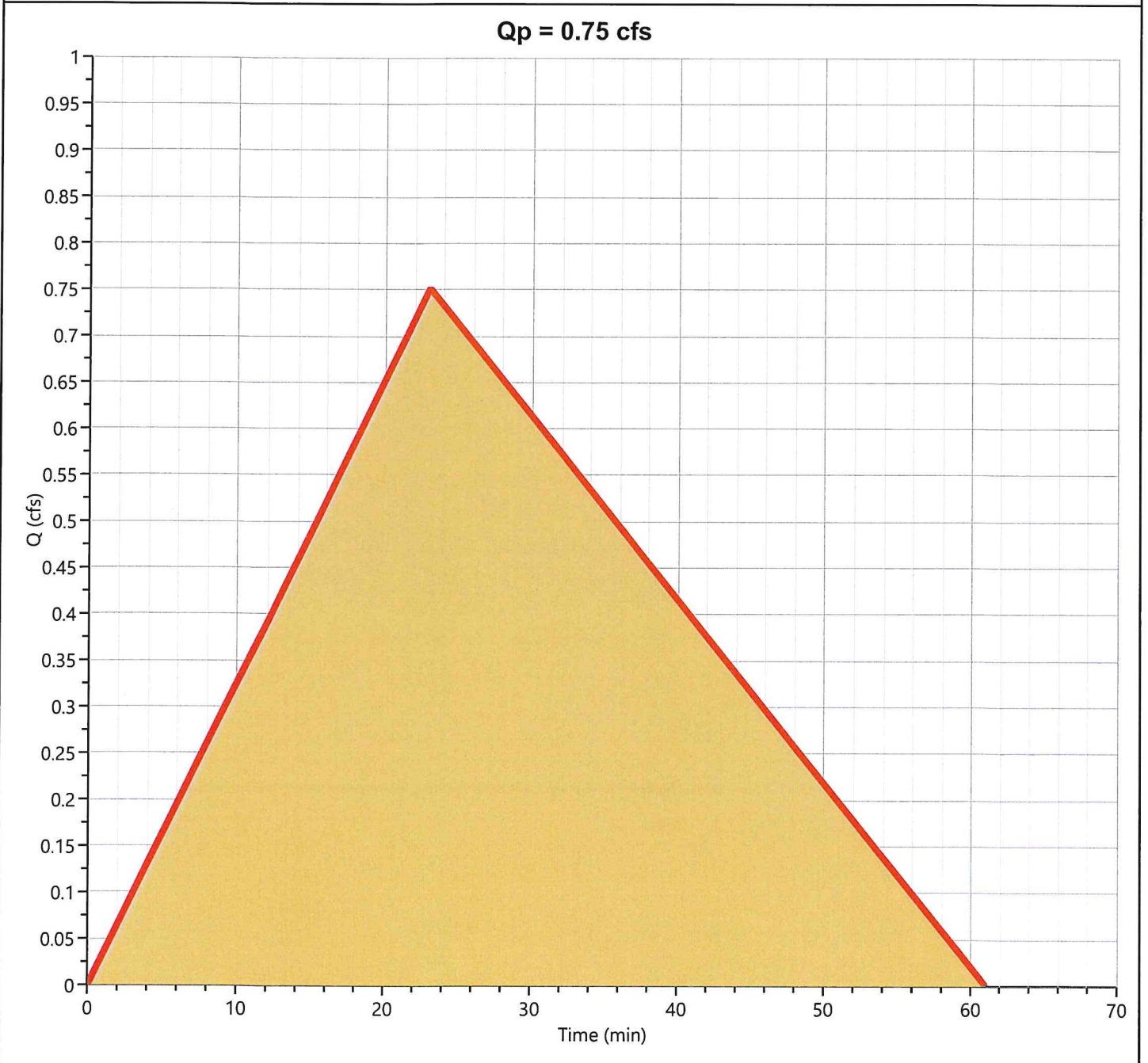
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B1

Hyd. No. 7

Hydrograph Type	= Rational	Peak Flow	= 0.751 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.38 hrs
Time Interval	= 1 min	Runoff Volume	= 1,384 cuft
Drainage Area	= 0.95 ac	Runoff Coeff.	= 0.24
Tc Method	= User	Time of Conc. (Tc)	= 23.0 min
IDF Curve	= Project0996.idf	Intensity	= 3.30 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

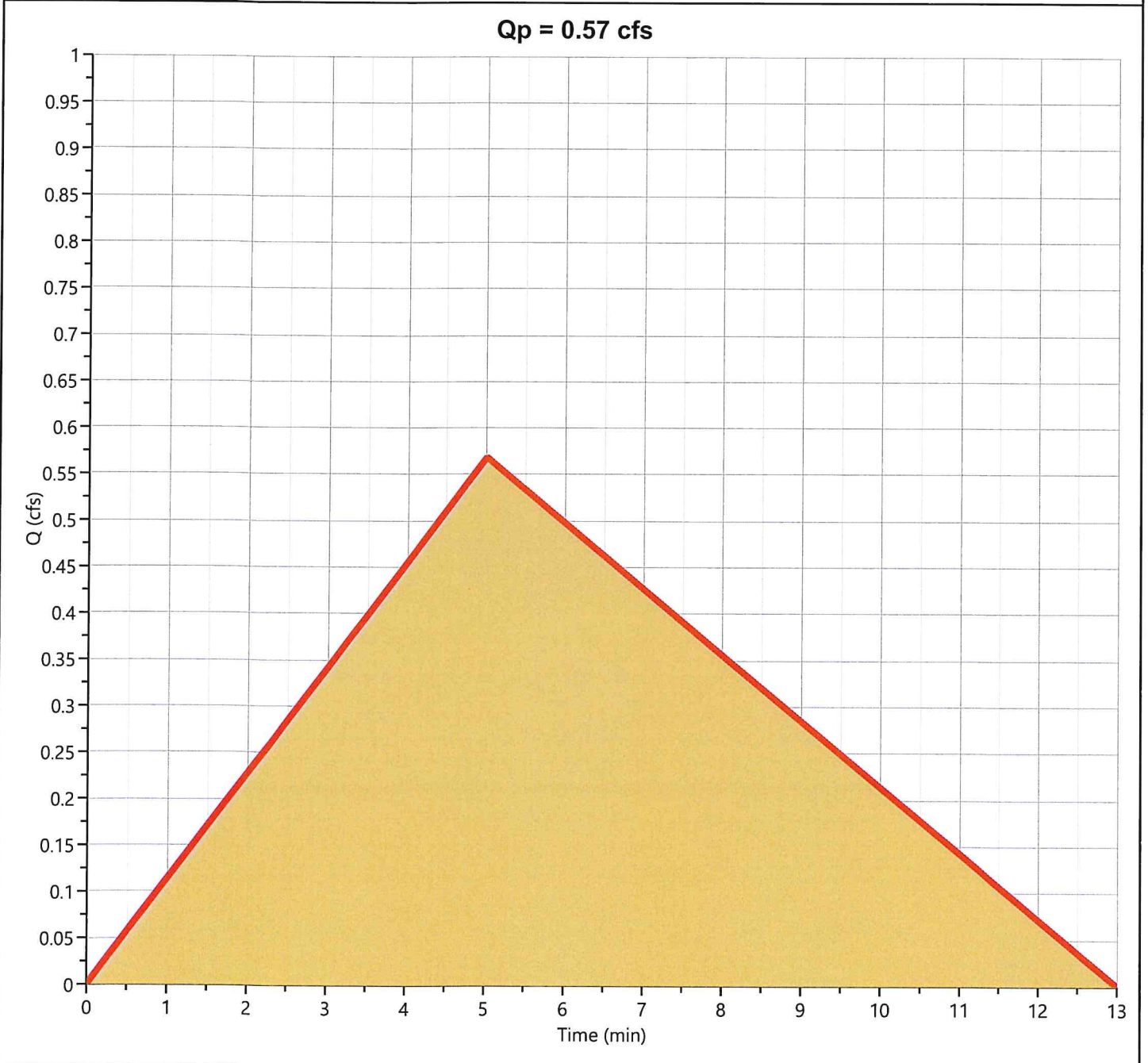
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B2

Hyd. No. 8

Hydrograph Type	= Rational	Peak Flow	= 0.568 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 228 cuft
Drainage Area	= 0.09 ac	Runoff Coeff.	= 0.86
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 7.34 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA B2

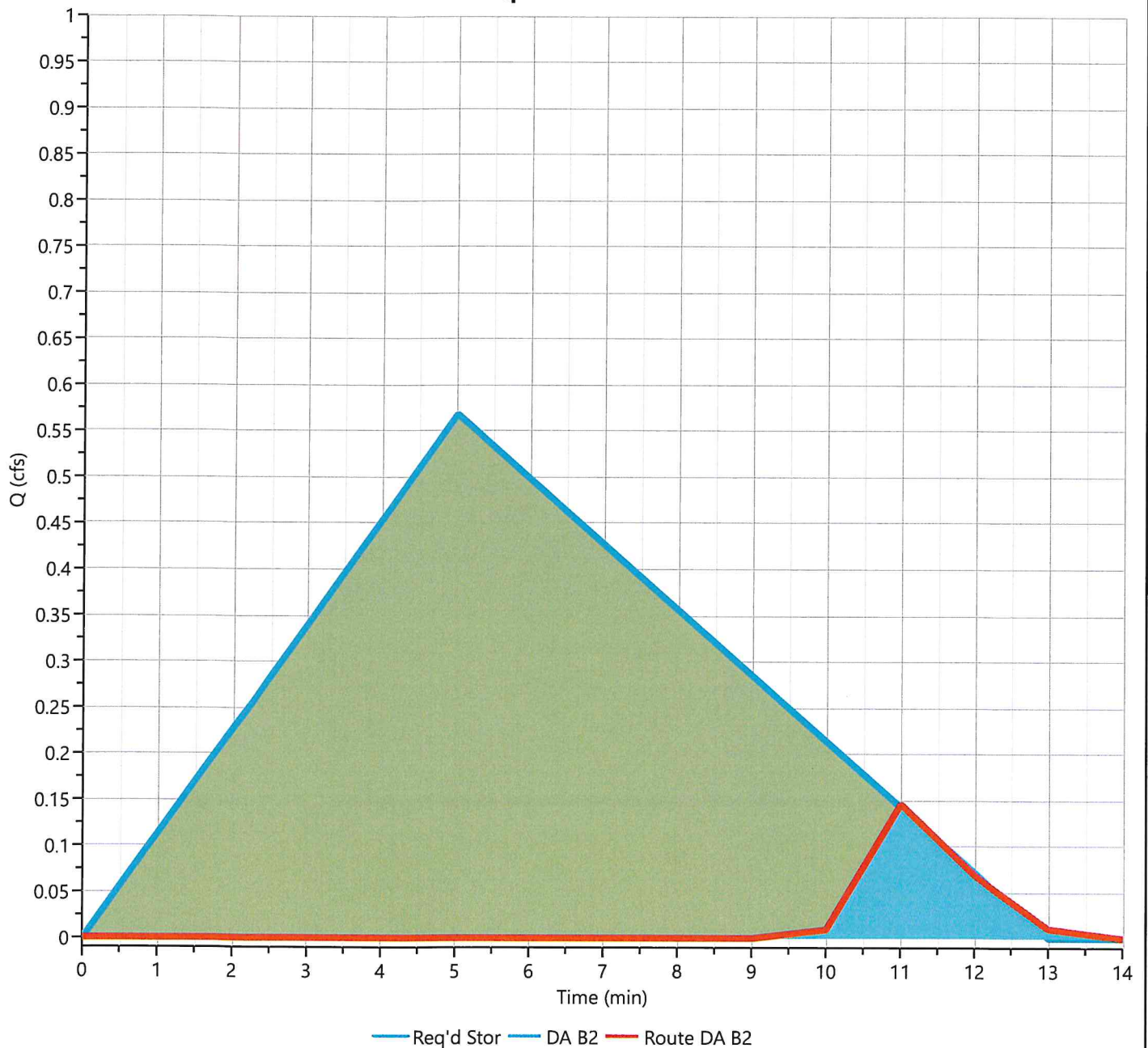
Hyd. No. 9

Hydrograph Type	= Pond Route	Peak Flow	= 0.146 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.18 hrs
Time Interval	= 1 min	Hydrograph Volume	= 14.1 cuft
Inflow Hydrograph	= 8 - DA B2	Max. Elevation	= 960.35 ft
Pond Name	= UGB2	Max. Storage	= 194 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 5 min

Qp = 0.15 cfs



Hydrograph Report

Project Name:

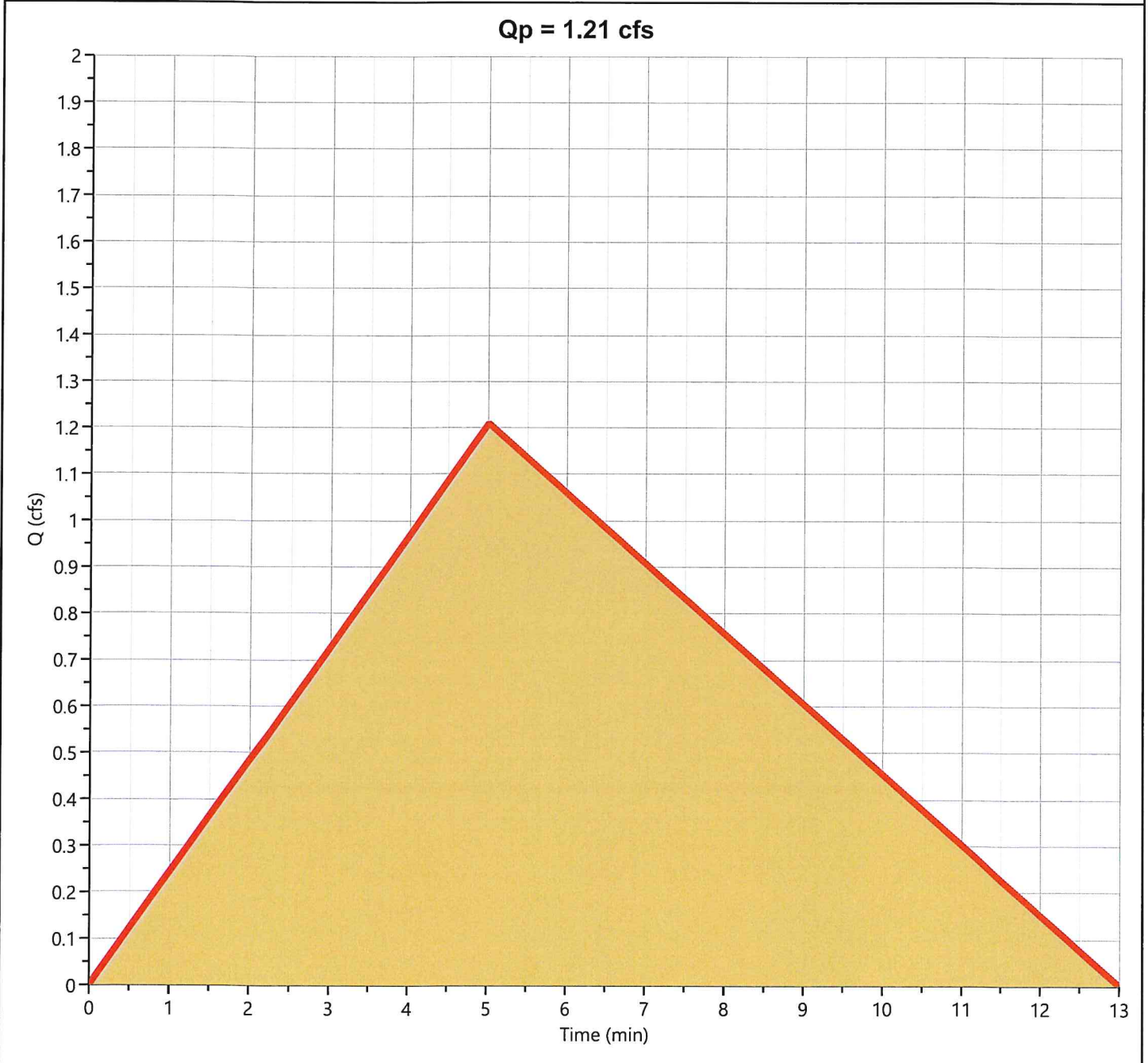
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B3

Hyd. No. 10

Hydrograph Type	= Rational	Peak Flow	= 1.210 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 484 cuft
Drainage Area	= 0.27 ac	Runoff Coeff.	= 0.61
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 7.34 in/hr
Freq. Corr. Factor	= 1.00	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA B3

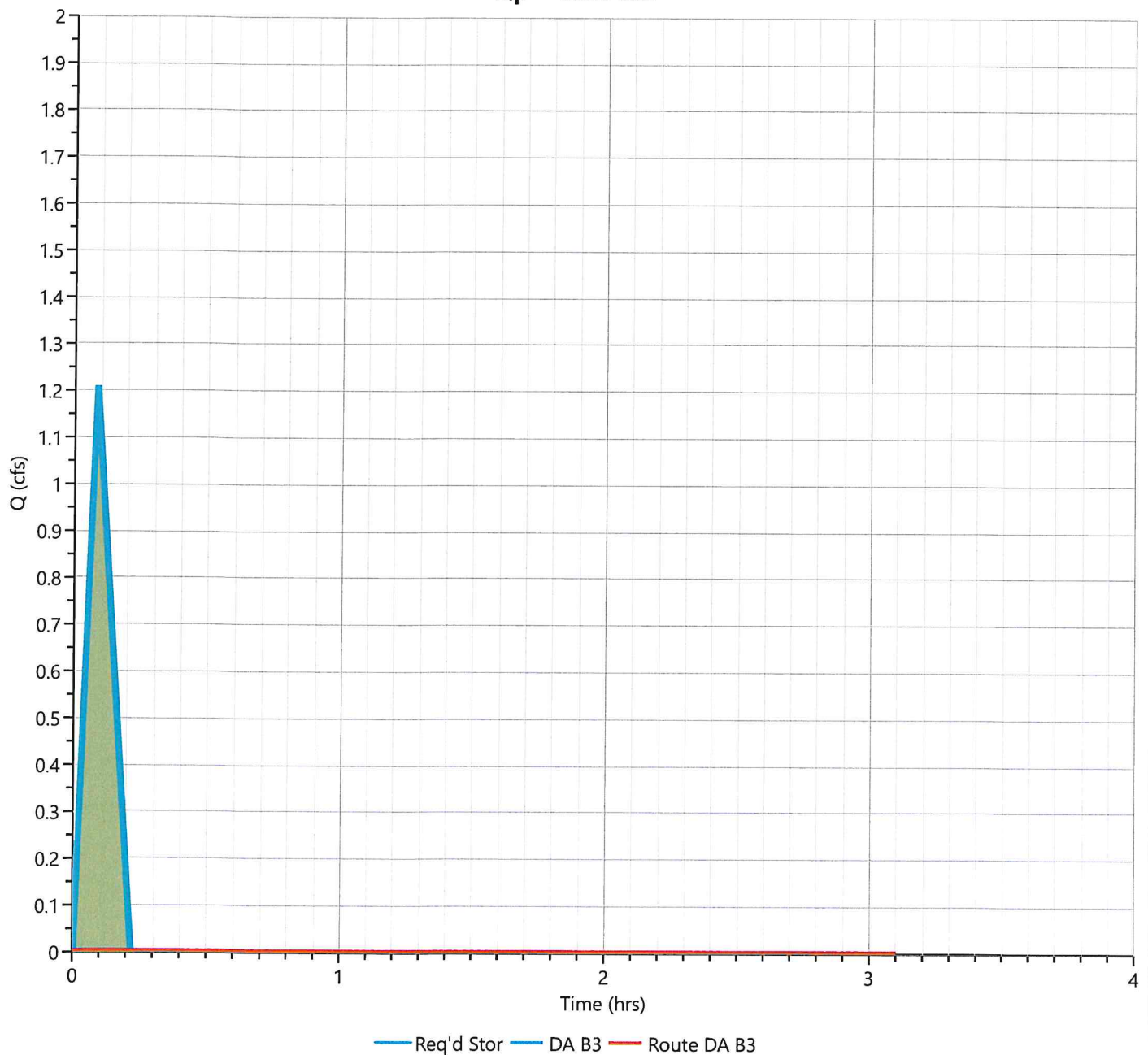
Hyd. No. 11

Hydrograph Type	= Pond Route	Peak Flow	= 0.000 cfs
Storm Frequency	= 10-yr	Time to Peak	= 3.08 hrs
Time Interval	= 1 min	Hydrograph Volume	= 0.000 cuft
Inflow Hydrograph	= 10 - DA B3	Max. Elevation	= 964.99 ft
Pond Name	= Rain Garden	Max. Storage	= 443 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 2.98 hrs

Qp = 0.00 cfs



Hydrograph Report

Project Name:

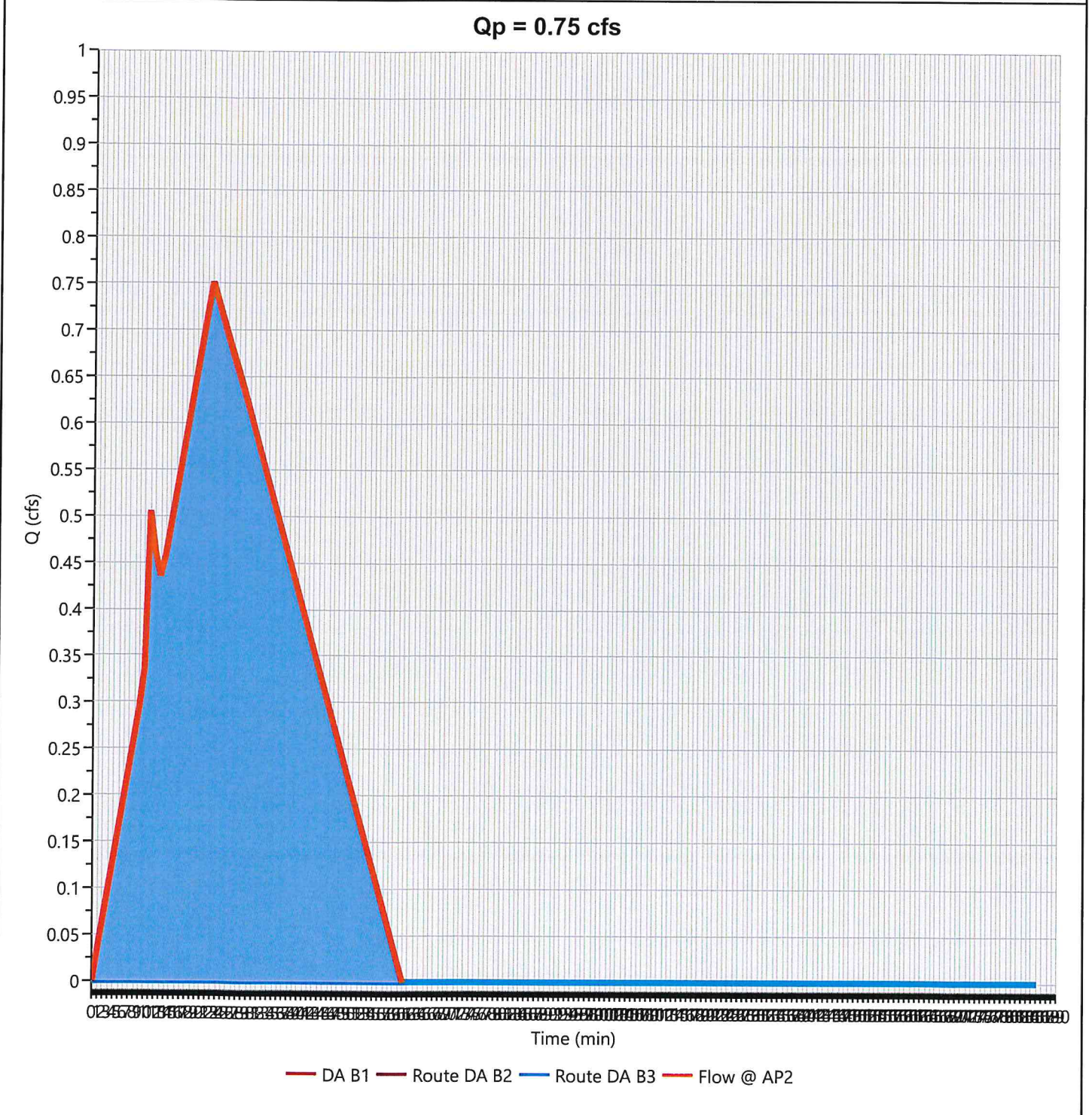
Hydrology Studio v 3.0.0.19

04-30-2021

Post Flow @ AP2

Hyd. No. 12

Hydrograph Type	= Junction	Peak Flow	= 0.751 cfs
Storm Frequency	= 10-yr	Time to Peak	= 0.38 hrs
Time Interval	= 1 min	Hydrograph Volume	= 1,389 cuft
Inflow Hydrographs	= 7, 9, 11	Total Contrib. Area	= 0.95 ac



DYMAR

25 YEAR STORM

Hydrograph 25-yr Summary

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

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	Rational	Pre DAA @ AP 1	3.138	0.23	3,519	----		
2	Rational	Pre DA B @ AP 2	1.336	0.38	2,462	----		
3	Rational	Post DAA1	3.023	0.23	3,390	----		
4	Rational	Post DAA2 (Roof)	0.520	0.08	208	----		
5	Pond Route	Route DAA2	0.000	0.55	0.000	4	958.21	185
6	Junction	Post Flow @ AP 1	3.023	0.23	3,356	3, 5		
7	Rational	Post DA B1	0.984	0.38	1,813	----		
8	Rational	Post DA B2	0.746	0.08	299	----		
9	Pond Route	Route DA B2	0.412	0.13	81.8	8	960.42	199
10	Rational	Post DA B3	1.587	0.08	636	----		
11	Pond Route	Route DA B3	0.000	4.22	0.000	10	965.19	587
12	Junction	Post Flow @ AP2	0.984	0.38	1,883	7, 9, 11		

Hydrograph Report

Project Name:

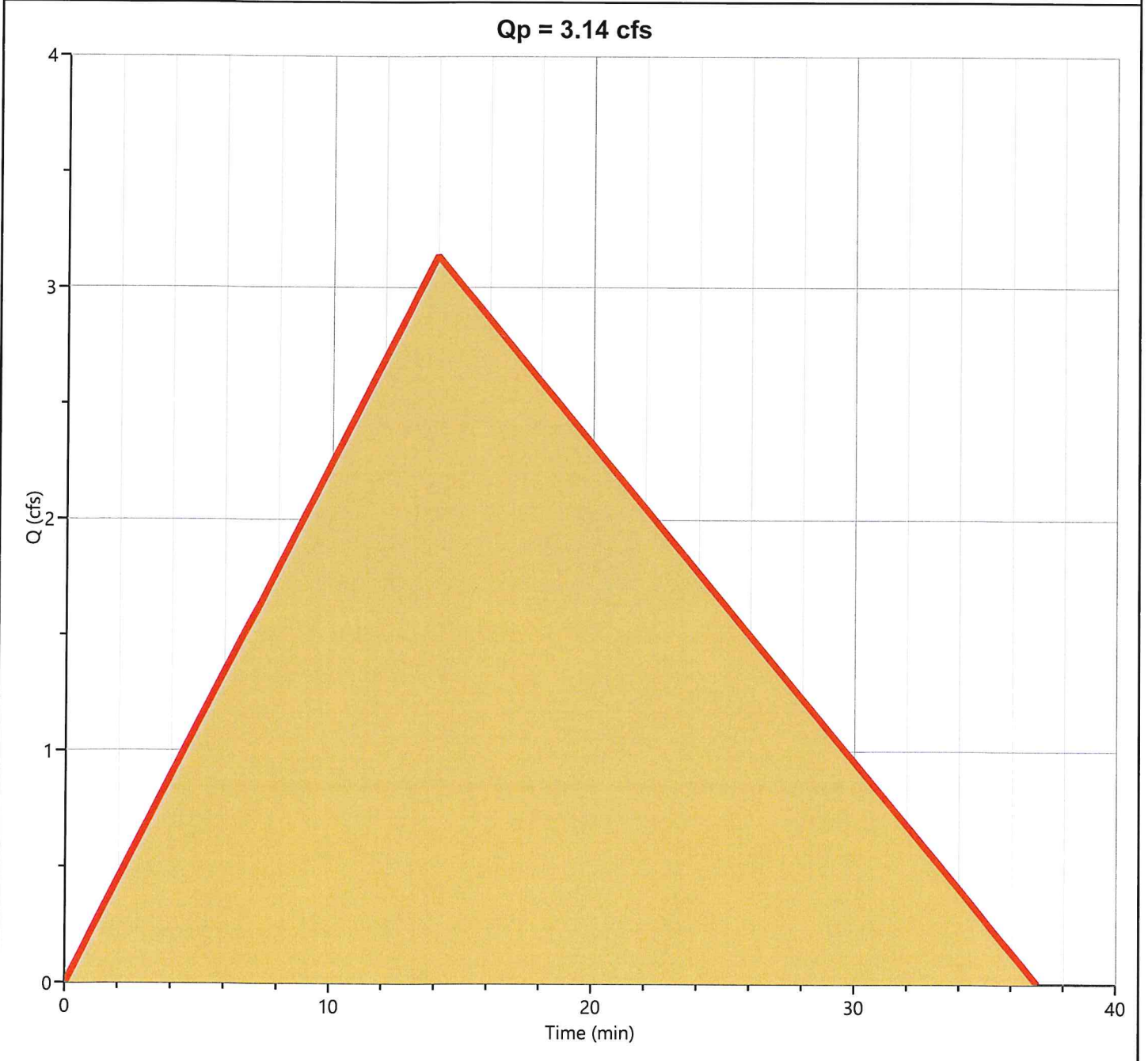
Hydrology Studio v 3.0.0.19

04-30-2021

Pre DA A @ AP 1

Hyd. No. 1

Hydrograph Type	= Rational	Peak Flow	= 3.138 cfs
Storm Frequency	= 25-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Runoff Volume	= 3,519 cuft
Drainage Area	= 2.46 ac	Runoff Coeff.	= 0.22
Tc Method	= User	Time of Conc. (Tc)	= 14.0 min
IDF Curve	= Project0996.idf	Intensity	= 5.27 in/hr
Freq. Corr. Factor	= 1.10	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

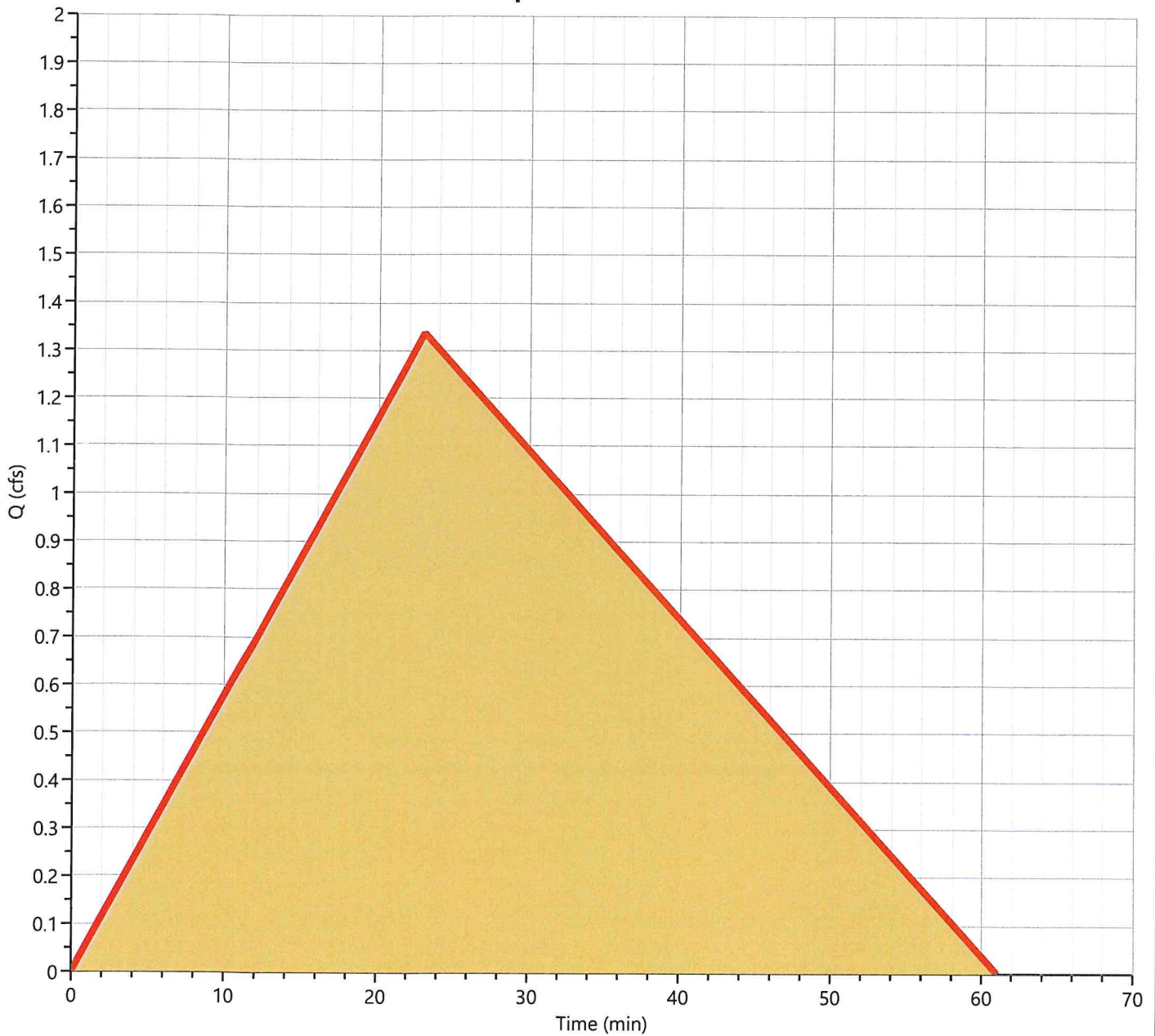
04-30-2021

Pre DA B @ AP 2

Hyd. No. 2

Hydrograph Type	= Rational	Peak Flow	= 1.336 cfs
Storm Frequency	= 25-yr	Time to Peak	= 0.38 hrs
Time Interval	= 1 min	Runoff Volume	= 2,462 cuft
Drainage Area	= 1.29 ac	Runoff Coeff.	= 0.24
Tc Method	= User	Time of Conc. (Tc)	= 23.0 min
IDF Curve	= Project0996.idf	Intensity	= 3.92 in/hr
Freq. Corr. Factor	= 1.10	Asc/Rec Limb Factors	= 1/1.67

Qp = 1.34 cfs



Hydrograph Report

Project Name:

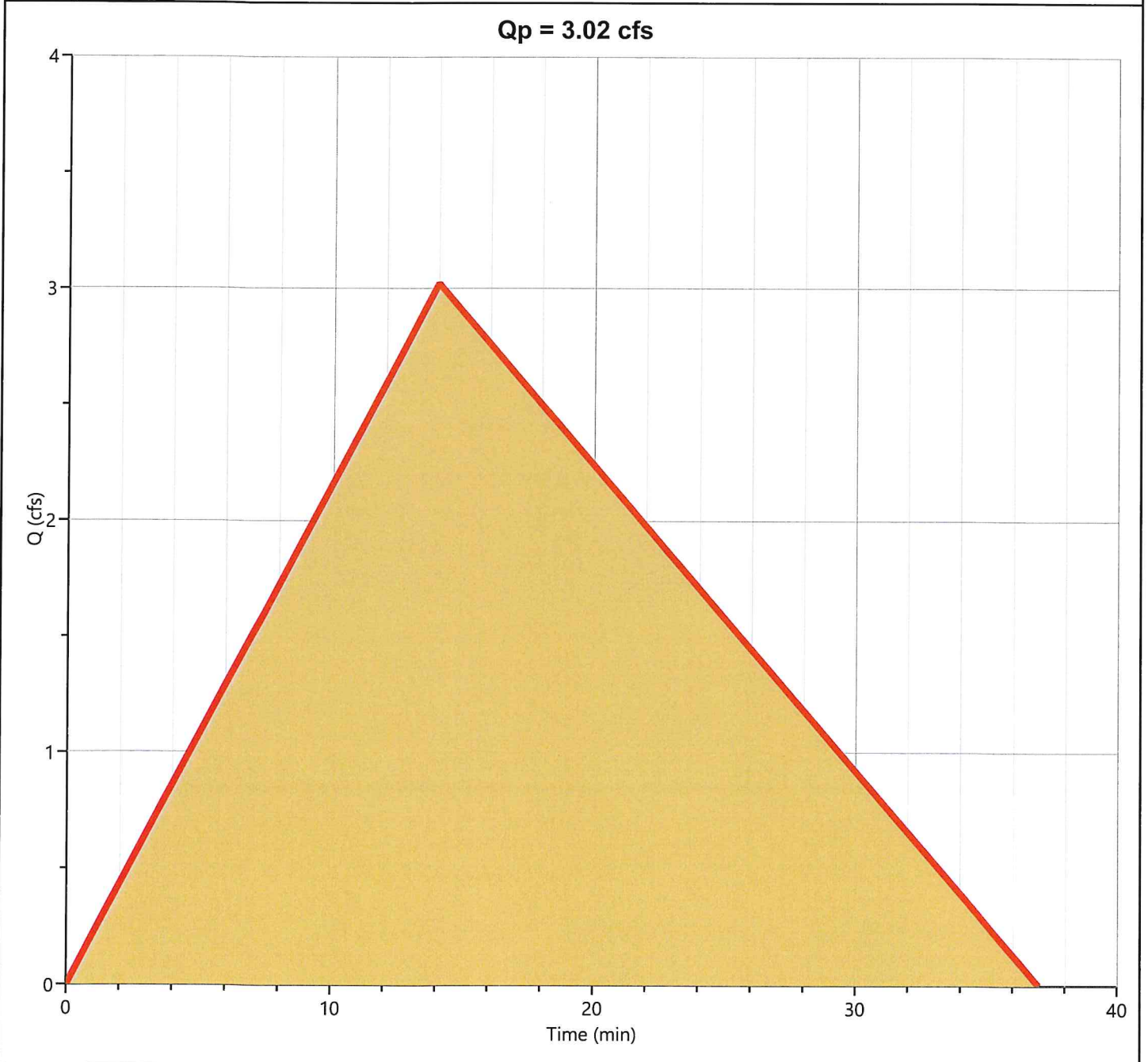
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA A1

Hyd. No. 3

Hydrograph Type	= Rational	Peak Flow	= 3.023 cfs
Storm Frequency	= 25-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Runoff Volume	= 3,390 cuft
Drainage Area	= 2.37 ac	Runoff Coeff.	= 0.22
Tc Method	= User	Time of Conc. (Tc)	= 14.0 min
IDF Curve	= Project0996.idf	Intensity	= 5.27 in/hr
Freq. Corr. Factor	= 1.10	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

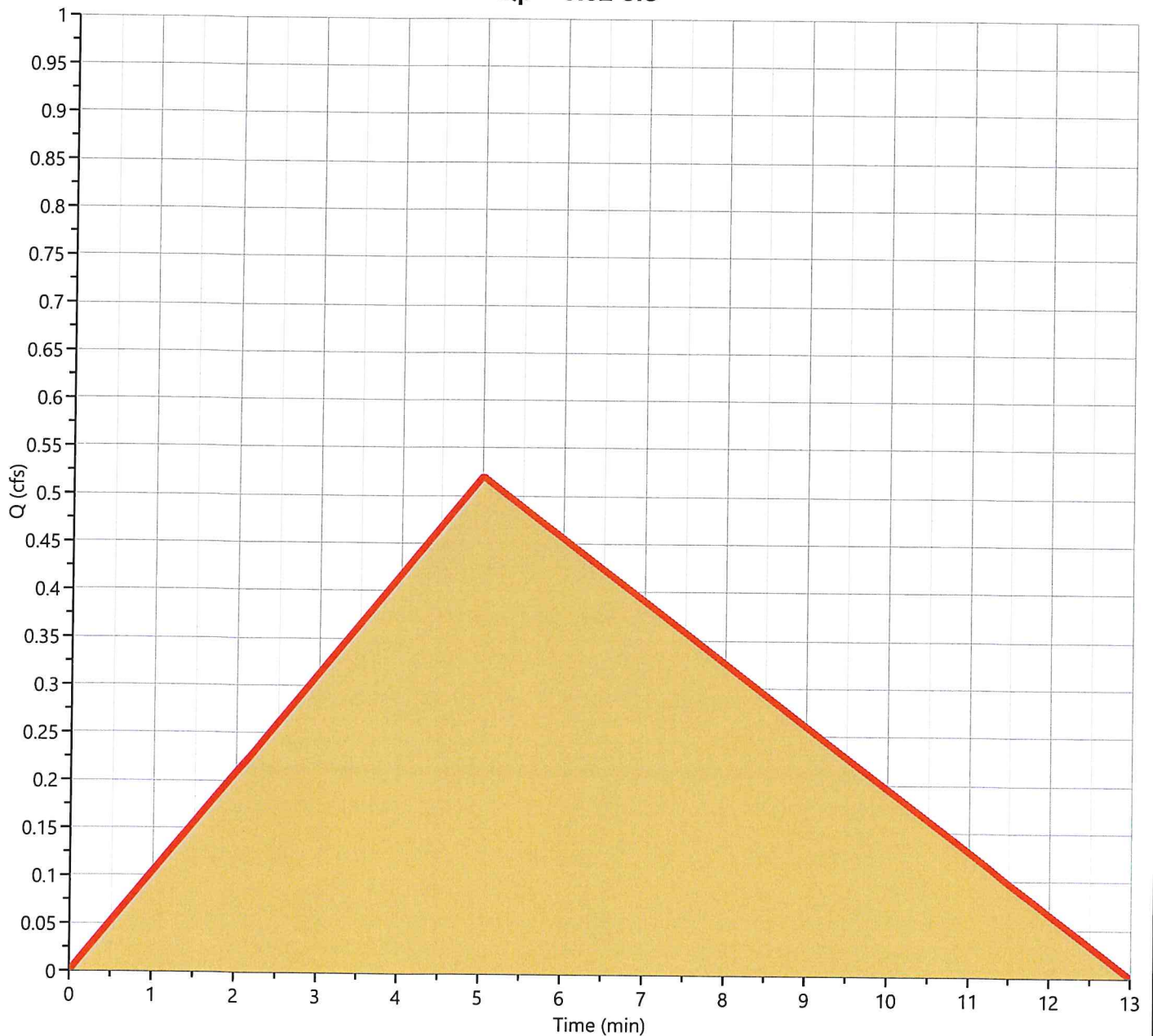
04-30-2021

Post DA A2 (Roof)

Hyd. No. 4

Hydrograph Type	= Rational	Peak Flow	= 0.520 cfs
Storm Frequency	= 25-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 208 cuft
Drainage Area	= 0.06 ac	Runoff Coeff.	= 0.9
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 8.76 in/hr
Freq. Corr. Factor	= 1.10	Asc/Rec Limb Factors	= 1/1.67

Qp = 0.52 cfs



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA A2

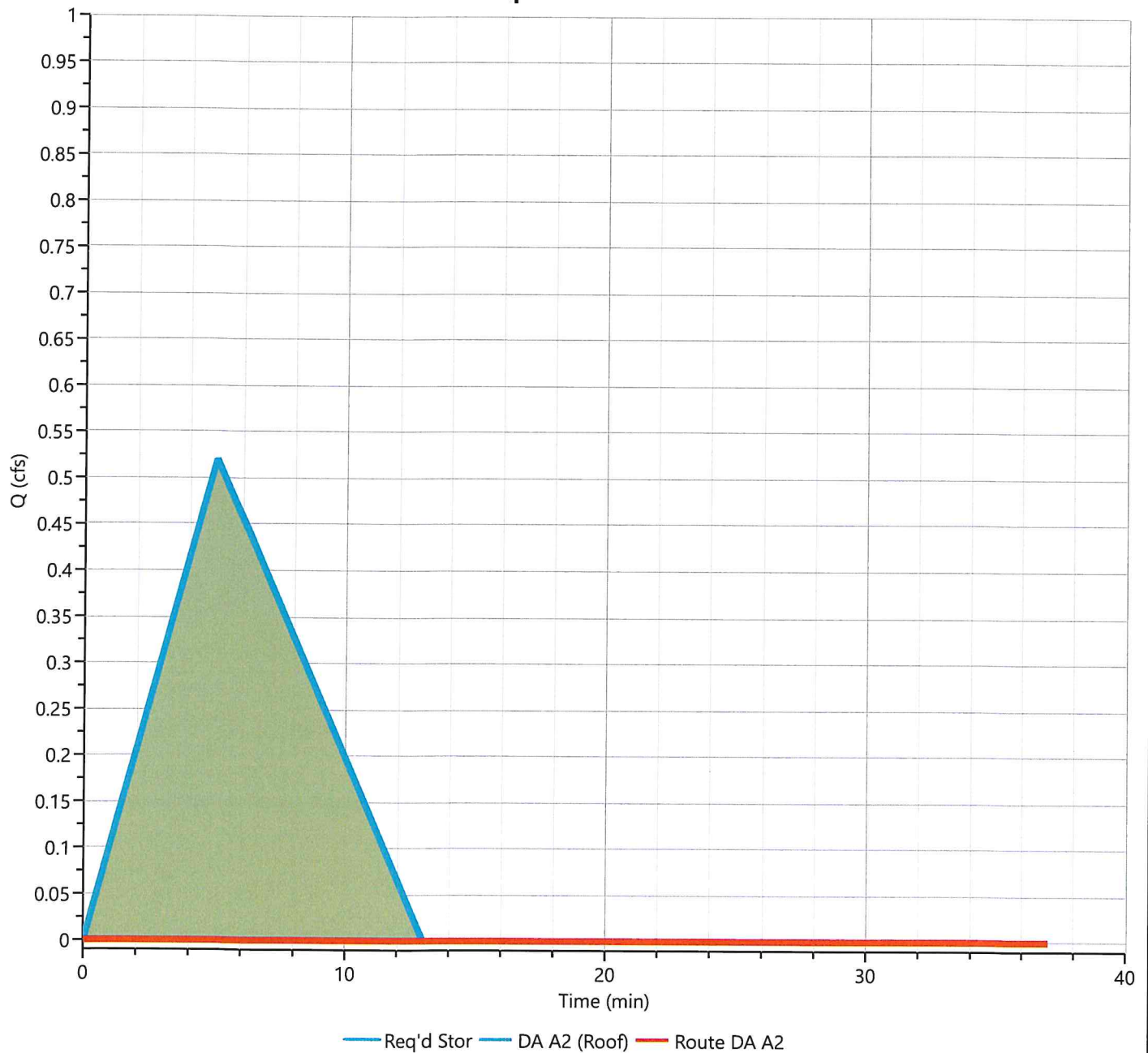
Hyd. No. 5

Hydrograph Type	= Pond Route	Peak Flow	= 0.000 cfs
Storm Frequency	= 25-yr	Time to Peak	= 0.55 hrs
Time Interval	= 1 min	Hydrograph Volume	= 0.000 cuft
Inflow Hydrograph	= 4 - DA A2 (Roof)	Max. Elevation	= 958.21 ft
Pond Name	= UGDB1	Max. Storage	= 185 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 25 min

Qp = 0.00 cfs



Hydrograph Report

Project Name:

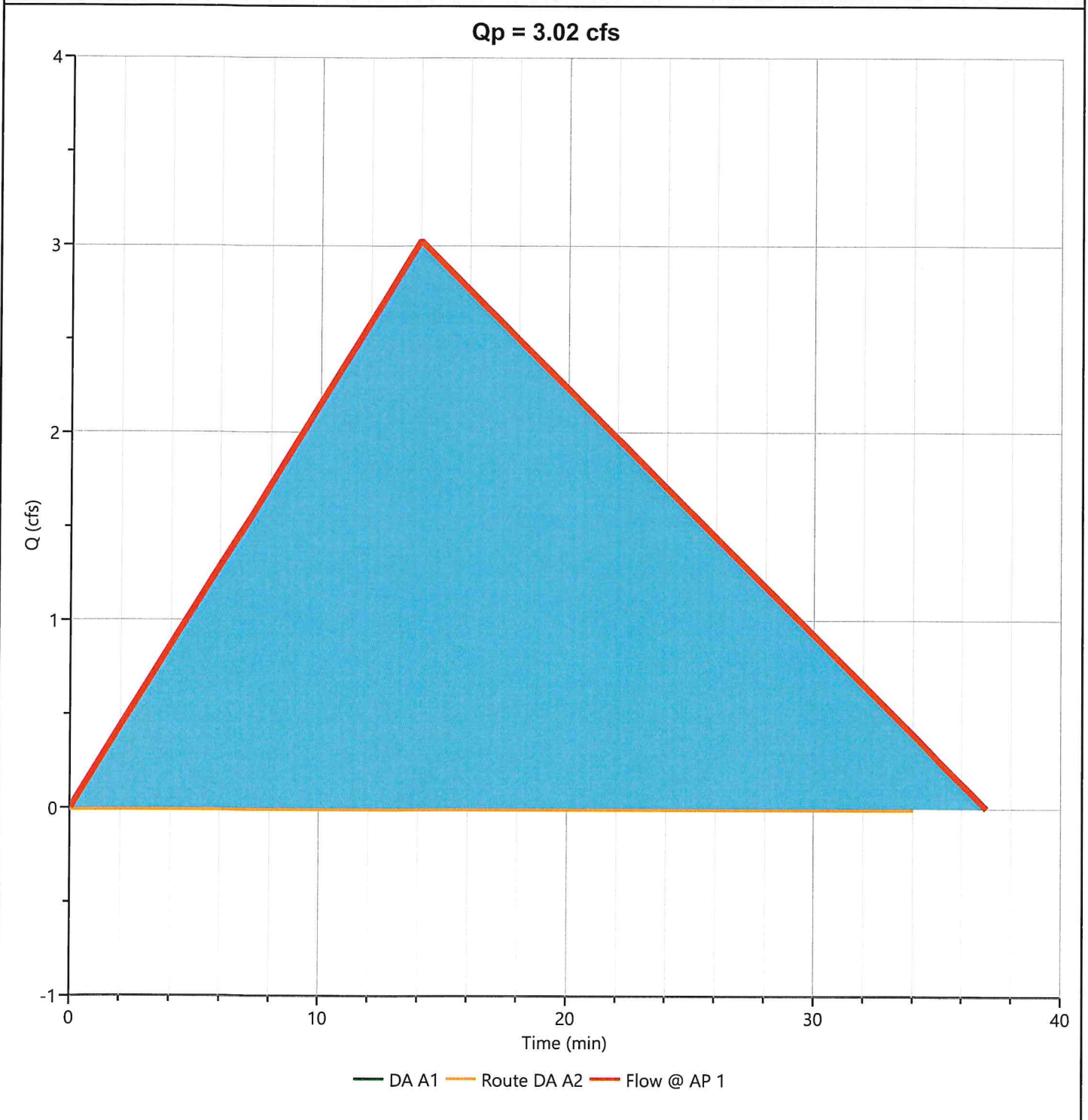
Hydrology Studio v 3.0.0.19

04-30-2021

Post Flow @ AP 1

Hyd. No. 6

Hydrograph Type	= Junction	Peak Flow	= 3.023 cfs
Storm Frequency	= 25-yr	Time to Peak	= 0.23 hrs
Time Interval	= 1 min	Hydrograph Volume	= 3,356 cuft
Inflow Hydrographs	= 3, 5	Total Contrib. Area	= 2.37 ac



Hydrograph Report

Project Name:

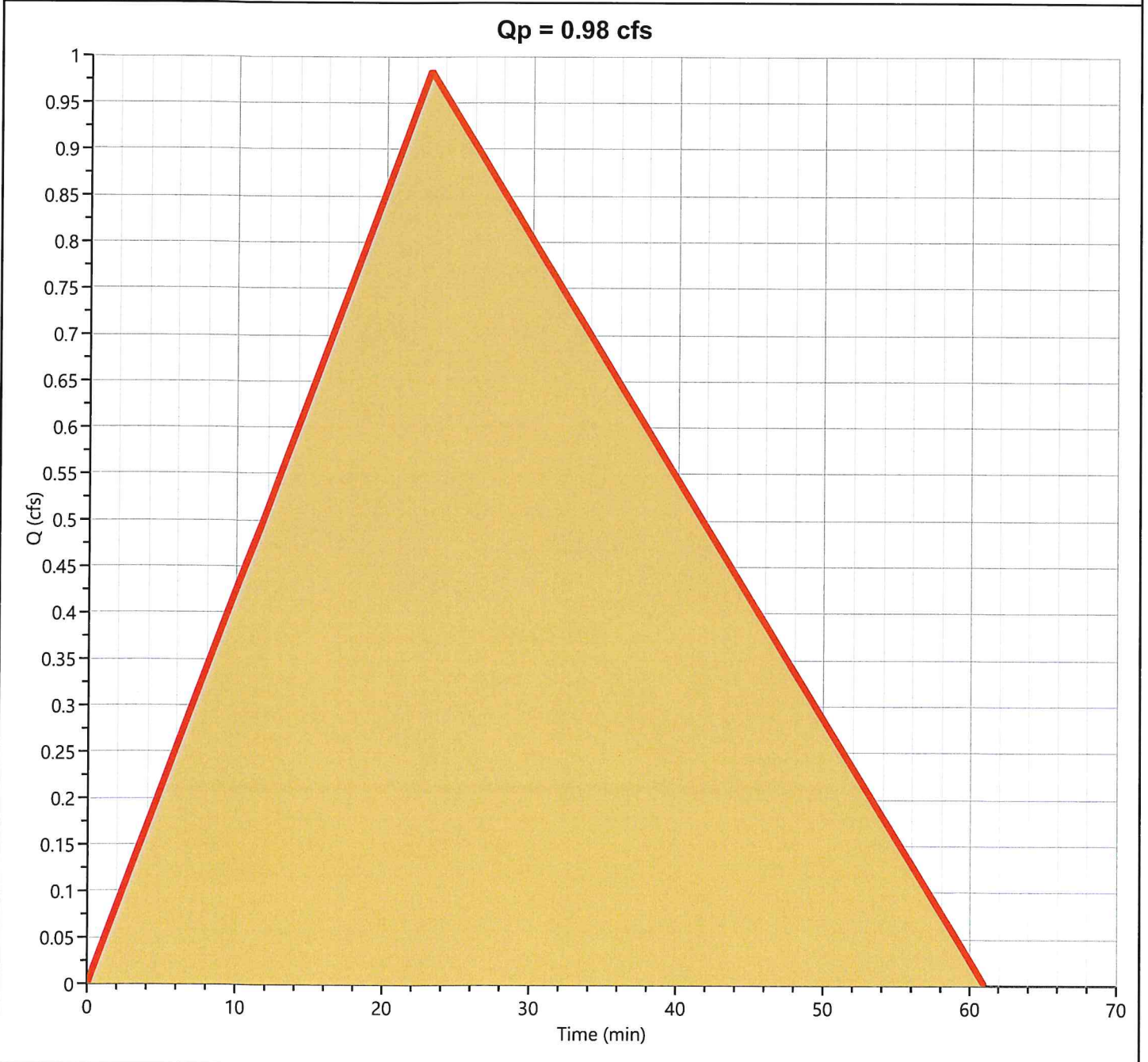
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B1

Hyd. No. 7

Hydrograph Type	= Rational	Peak Flow	= 0.984 cfs
Storm Frequency	= 25-yr	Time to Peak	= 0.38 hrs
Time Interval	= 1 min	Runoff Volume	= 1,813 cuft
Drainage Area	= 0.95 ac	Runoff Coeff.	= 0.24
Tc Method	= User	Time of Conc. (Tc)	= 23.0 min
IDF Curve	= Project0996.idf	Intensity	= 3.92 in/hr
Freq. Corr. Factor	= 1.10	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

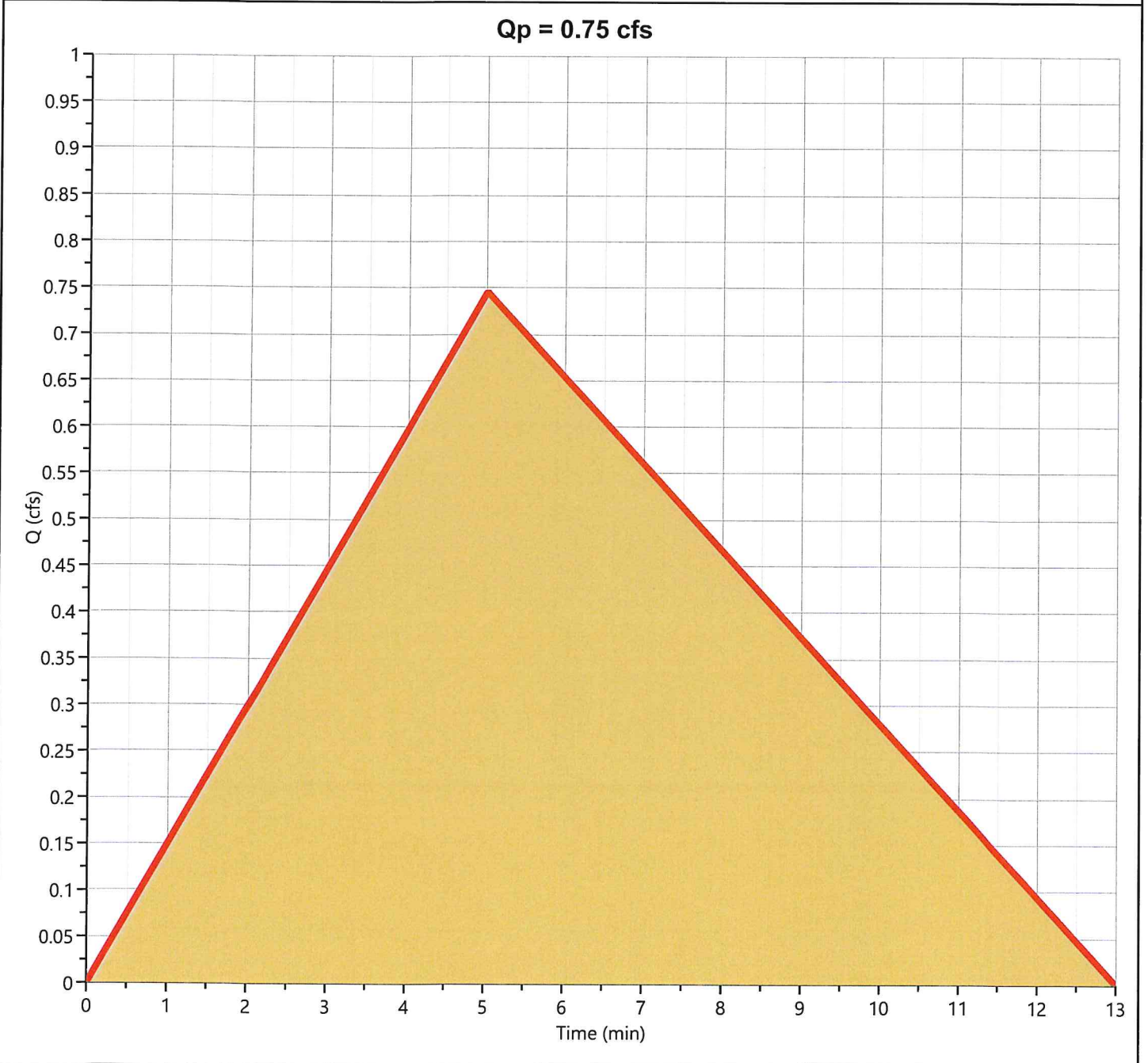
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B2

Hyd. No. 8

Hydrograph Type	= Rational	Peak Flow	= 0.746 cfs
Storm Frequency	= 25-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 299 cuft
Drainage Area	= 0.09 ac	Runoff Coeff.	= 0.86
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 8.76 in/hr
Freq. Corr. Factor	= 1.10	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA B2

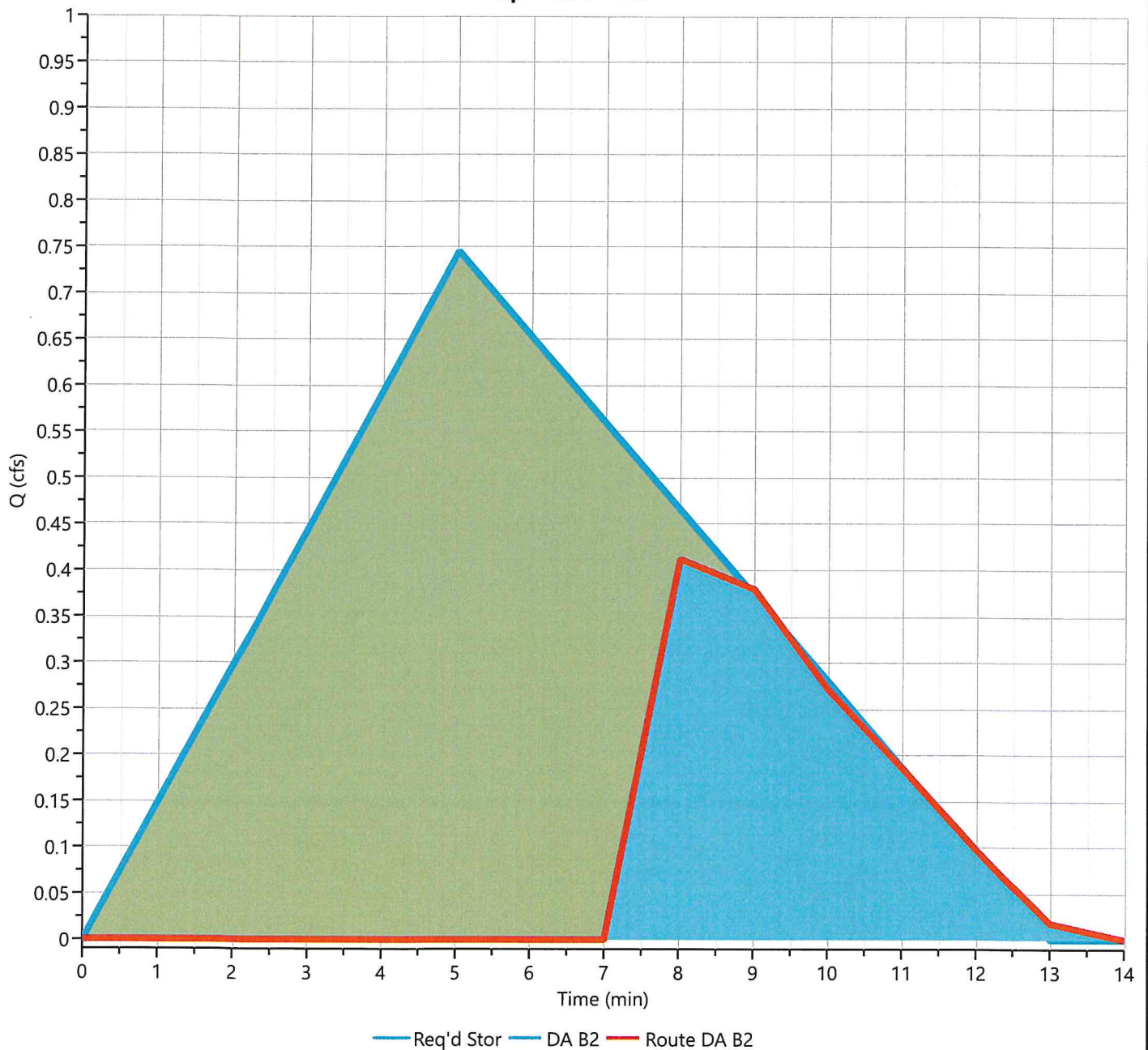
Hyd. No. 9

Hydrograph Type	= Pond Route	Peak Flow	= 0.412 cfs
Storm Frequency	= 25-yr	Time to Peak	= 0.13 hrs
Time Interval	= 1 min	Hydrograph Volume	= 81.8 cuft
Inflow Hydrograph	= 8 - DA B2	Max. Elevation	= 960.42 ft
Pond Name	= UGB2	Max. Storage	= 199 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 3 min

Qp = 0.41 cfs



Hydrograph Report

Project Name:

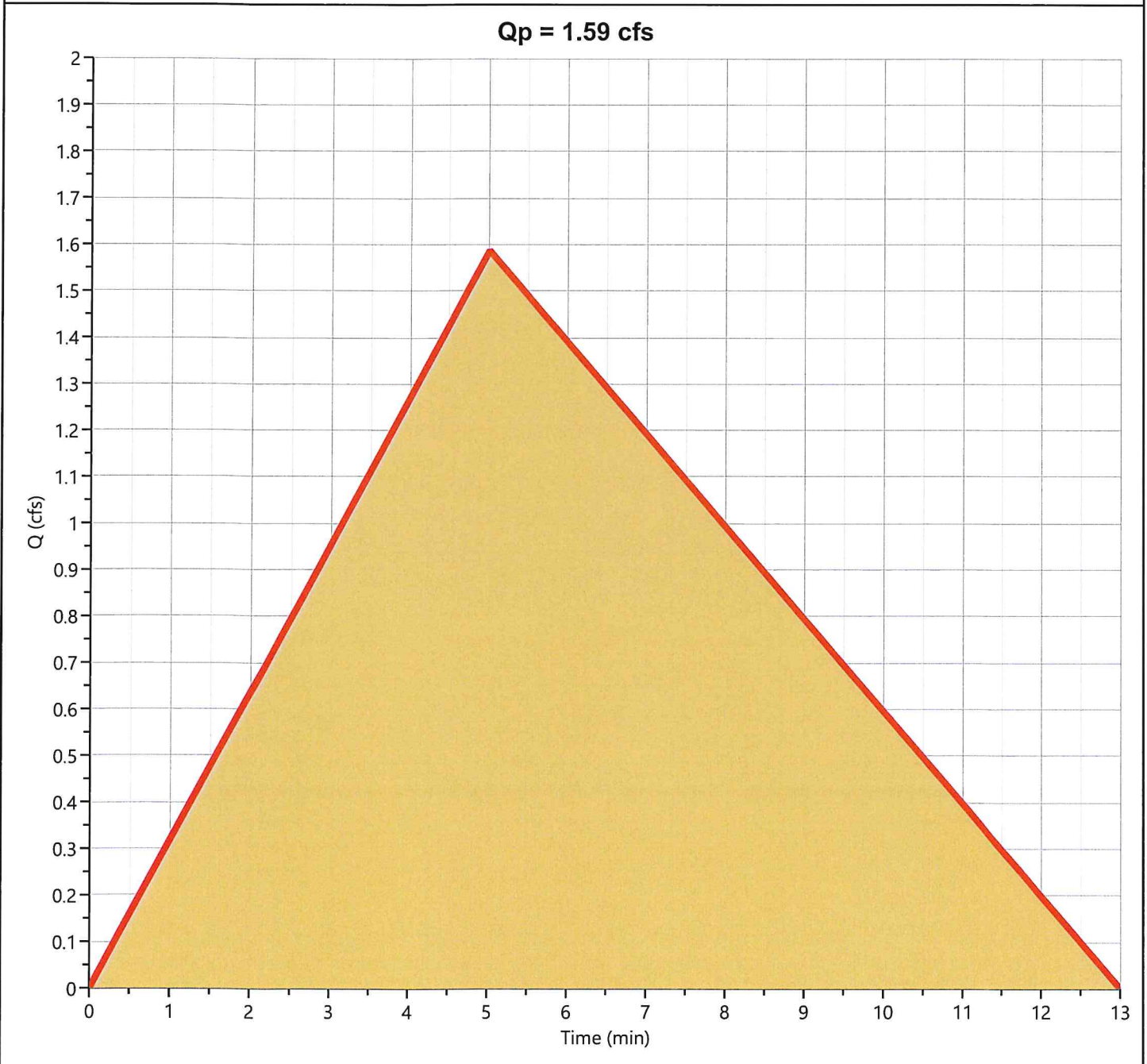
Hydrology Studio v 3.0.0.19

04-30-2021

Post DA B3

Hyd. No. 10

Hydrograph Type	= Rational	Peak Flow	= 1.587 cfs
Storm Frequency	= 25-yr	Time to Peak	= 0.08 hrs
Time Interval	= 1 min	Runoff Volume	= 636 cuft
Drainage Area	= 0.27 ac	Runoff Coeff.	= 0.61
Tc Method	= User	Time of Conc. (Tc)	= 5.0 min
IDF Curve	= Project0996.idf	Intensity	= 8.76 in/hr
Freq. Corr. Factor	= 1.10	Asc/Rec Limb Factors	= 1/1.67



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Route DA B3

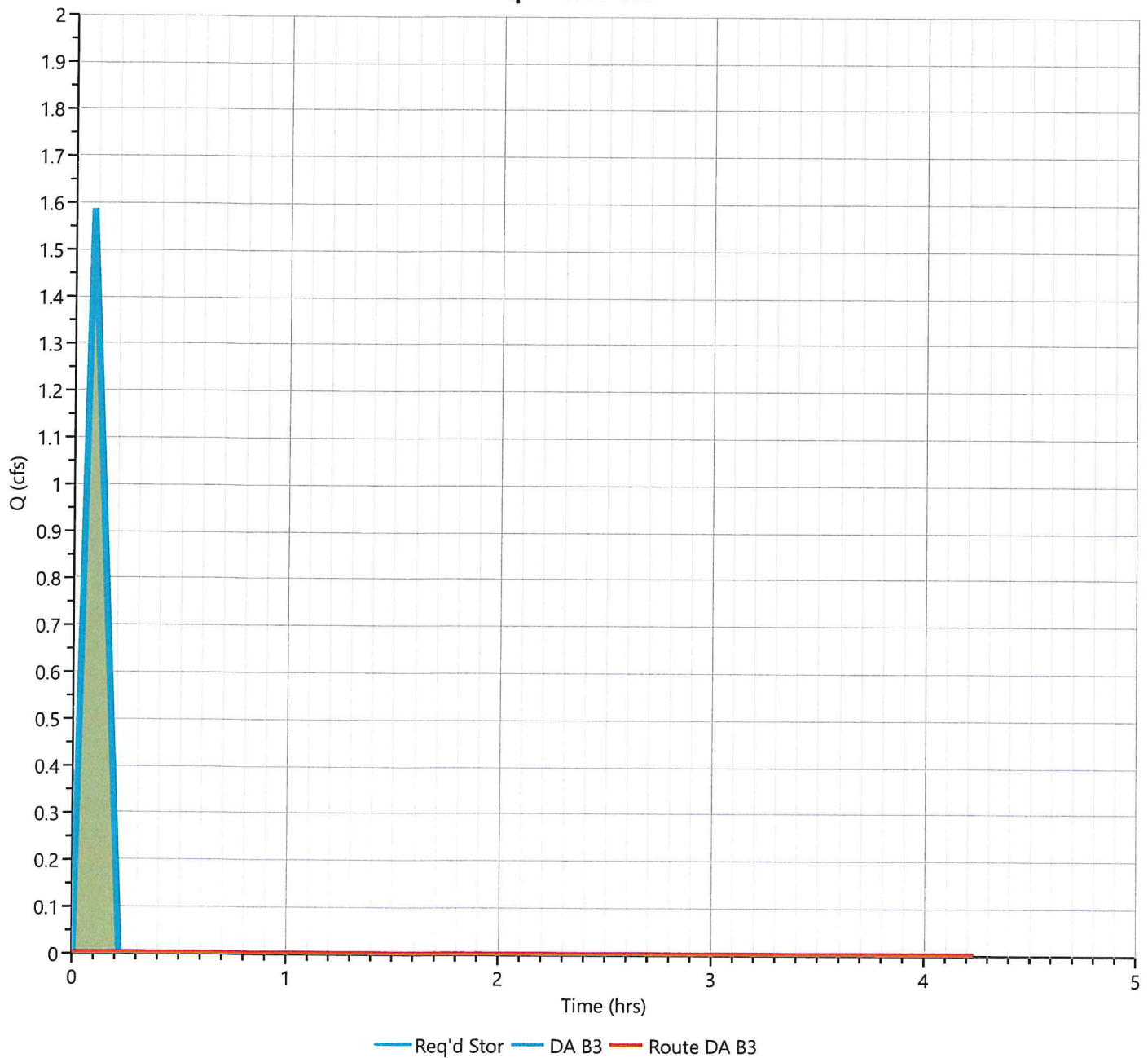
Hyd. No. 11

Hydrograph Type	= Pond Route	Peak Flow	= 0.000 cfs
Storm Frequency	= 25-yr	Time to Peak	= 4.22 hrs
Time Interval	= 1 min	Hydrograph Volume	= 0.000 cuft
Inflow Hydrograph	= 10 - DA B3	Max. Elevation	= 965.19 ft
Pond Name	= Rain Garden	Max. Storage	= 587 cuft

Pond Routing by Storage Indication Method

Center of mass detention time = 4.12 hrs

Qp = 0.00 cfs



Hydrograph Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

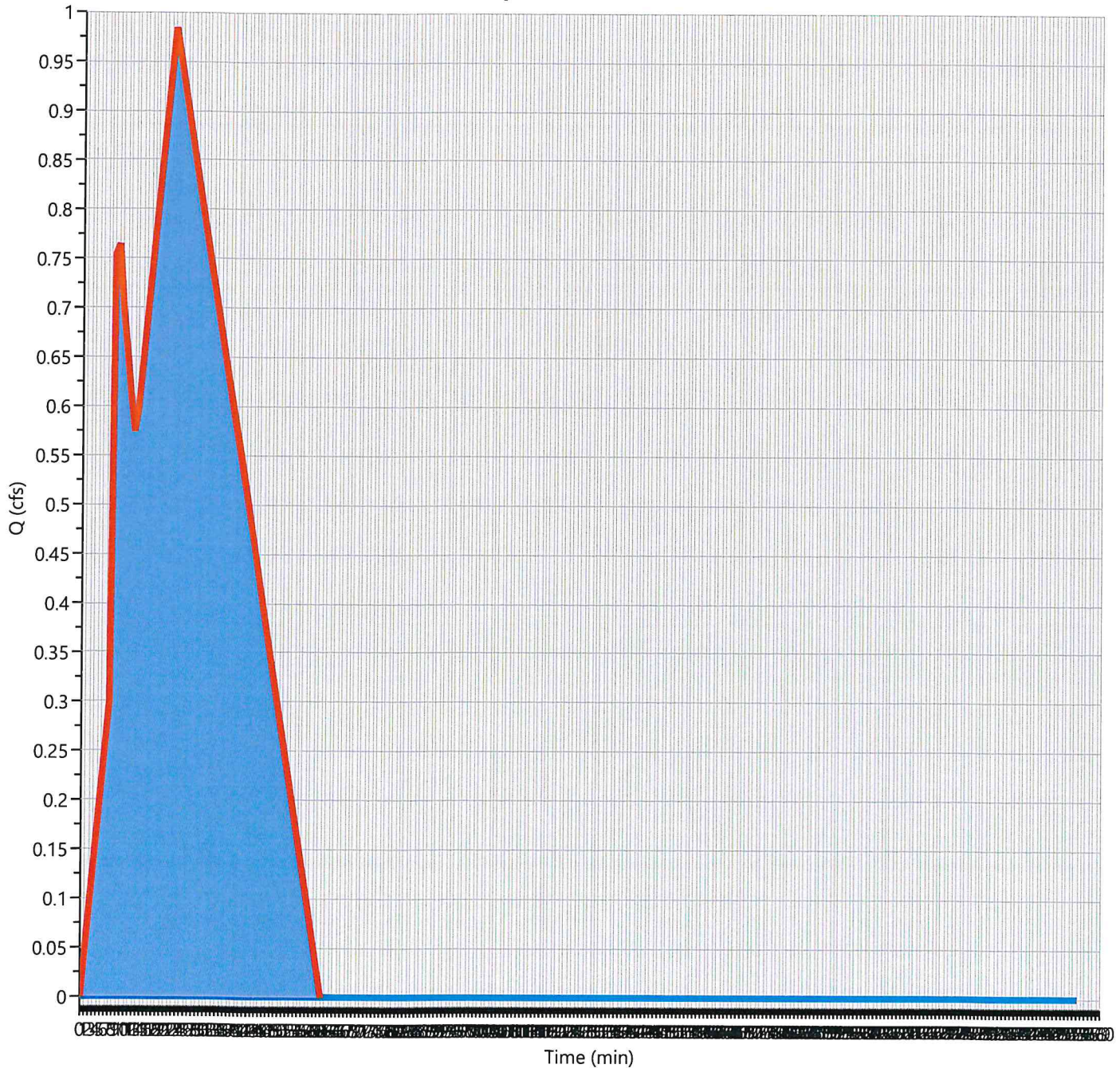
Post Flow @ AP2

Hyd. No. 12

Hydrograph Type = Junction
Storm Frequency = 25-yr
Time Interval = 1 min
Inflow Hydrographs = 7, 9, 11

Peak Flow = 0.984 cfs
Time to Peak = 0.38 hrs
Hydrograph Volume = 1,883 cuft
Total Contrib. Area = 0.95 ac

Qp = 0.98 cfs



— DA B1 — Route DA B2 — Route DA B3 — Flow @ AP2

DYMAR

POND REPORT

Pond Report

Project Name:

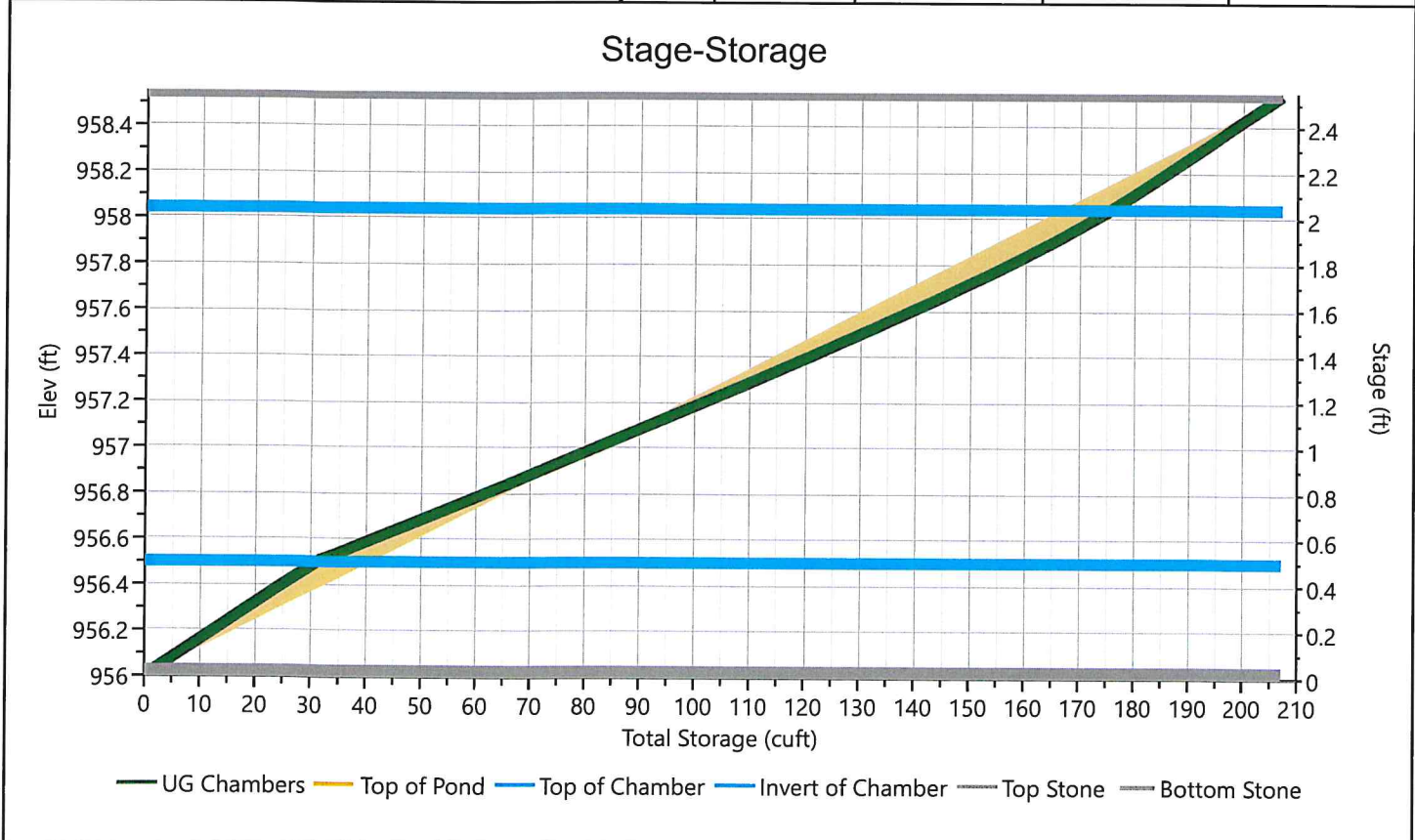
Hydrology Studio v 3.0.0.19

04-30-2021

UGDB1

Stage-Storage

Cultec Recharger® 150XLHD Chamber			Stage / Storage Table				
Description	Input	Stage (in)	Elevation (ft)	Contour Area (sqft)	Incr. Storage (cuft)	Total Storage (cuft)	
Chamber Height, in	18.5	0.0	956.00	156	0.000	0.000	
Chamber Shape	Arch	1.5	956.13	156	7.91	7.91	
Chamber Width, in	33	3.1	956.25	156	7.91	15.8	
Installed Length, ft	10.25	4.6	956.38	156	7.91	23.7	
No. Chambers	3	6.1	956.51	156	8.06	31.8	
Bare Chamber Stor, cuft	81.5	7.6	956.64	156	13.0	44.8	
No. Rows	1	9.2	956.76	156	13.0	57.8	
Space Between Rows, in	6	10.7	956.89	156	12.9	70.7	
Stone Above, in	6	12.2	957.02	156	12.8	83.5	
Stone Below, in	6	13.7	957.14	156	12.6	96.1	
Stone Sides, in	12	15.3	957.27	156	12.4	109	
Stone Ends, in	12	16.8	957.40	156	12.2	121	
Encasement Voids, %	40.00	18.3	957.53	156	11.9	133	
Encasement Bottom Elevation, ft	956.00	19.8	957.65	156	11.5	144	
		21.4	957.78	156	11.0	155	
		22.9	957.91	156	10.4	166	
		24.4	958.03	156	9.39	175	
		25.9	958.16	156	8.31	183	
		27.5	958.29	156	7.91	191	
		29.0	958.41	156	7.91	199	
		30.5	958.54	156	7.91	207	



Pond Report

Project Name:

Hydrology Studio v 3.0.0.19

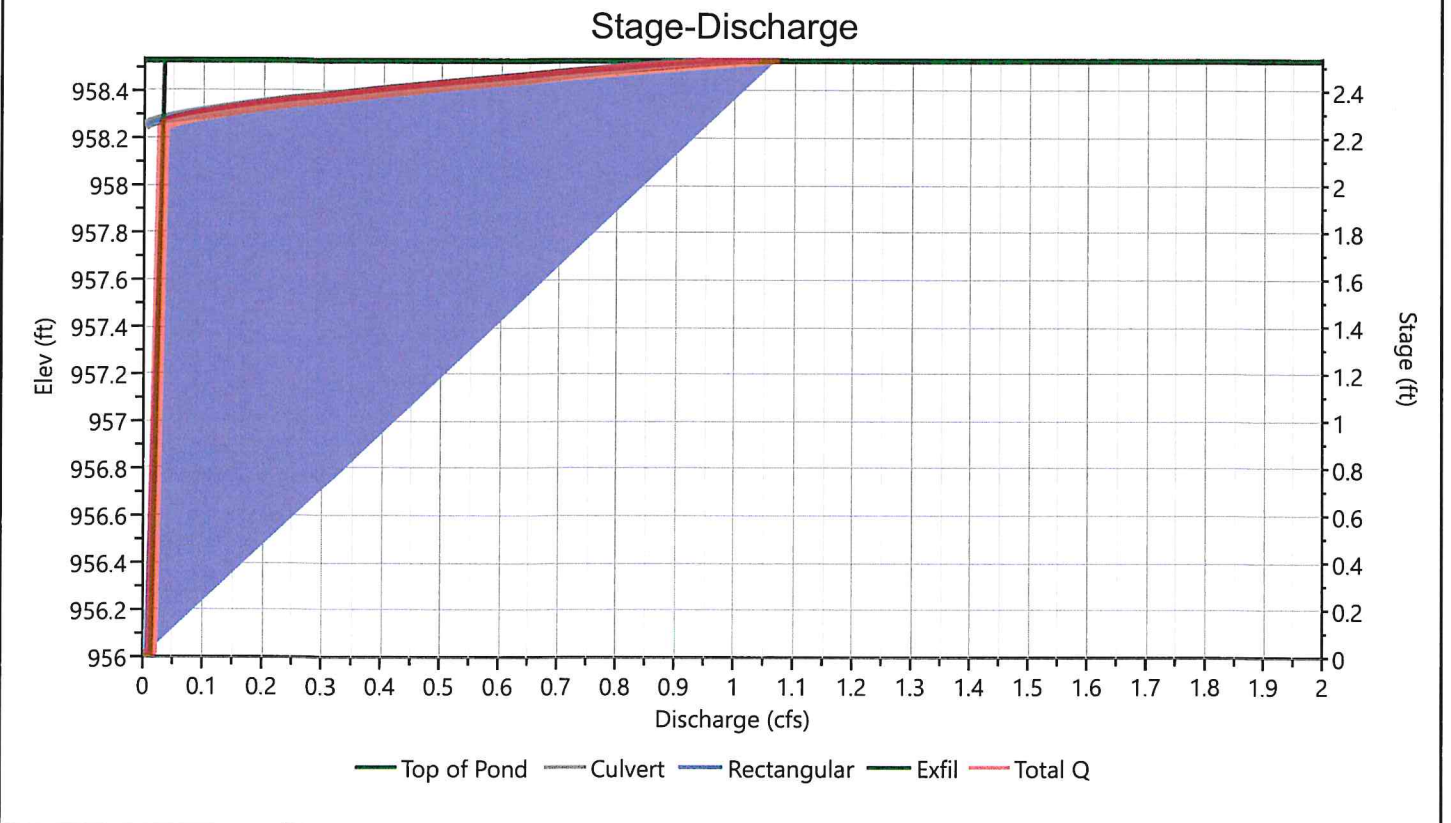
04-30-2021

UGDB1

Stage-Discharge

Culvert / Orifices	Culvert	Orifices			Perforated Riser
		1	2	3	
Rise, in	8				Hole Diameter, in
Span, in	8				No. holes
No. Barrels	1				Invert Elevation, ft
Invert Elevation, ft	956.00				Height, ft
Orifice Coefficient, Co	0.60				Orifice Coefficient, Co
Length, ft	40				
Barrel Slope, %	8				
N-Value, n	0.012				
Weirs	Riser*	Weirs			Ancillary
		1*	2	3	
Shape / Type		Rectangular			Exfiltration, in/hr
Crest Elevation, ft		958.25			3.75**
Crest Length, ft		2			
Angle, deg					
Weir Coefficient, Cw		3.3			

*Routes through Culvert. **Exfiltration extracted from outflow hydrograph. Rate applied to contours.



Pond Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

UGDB1

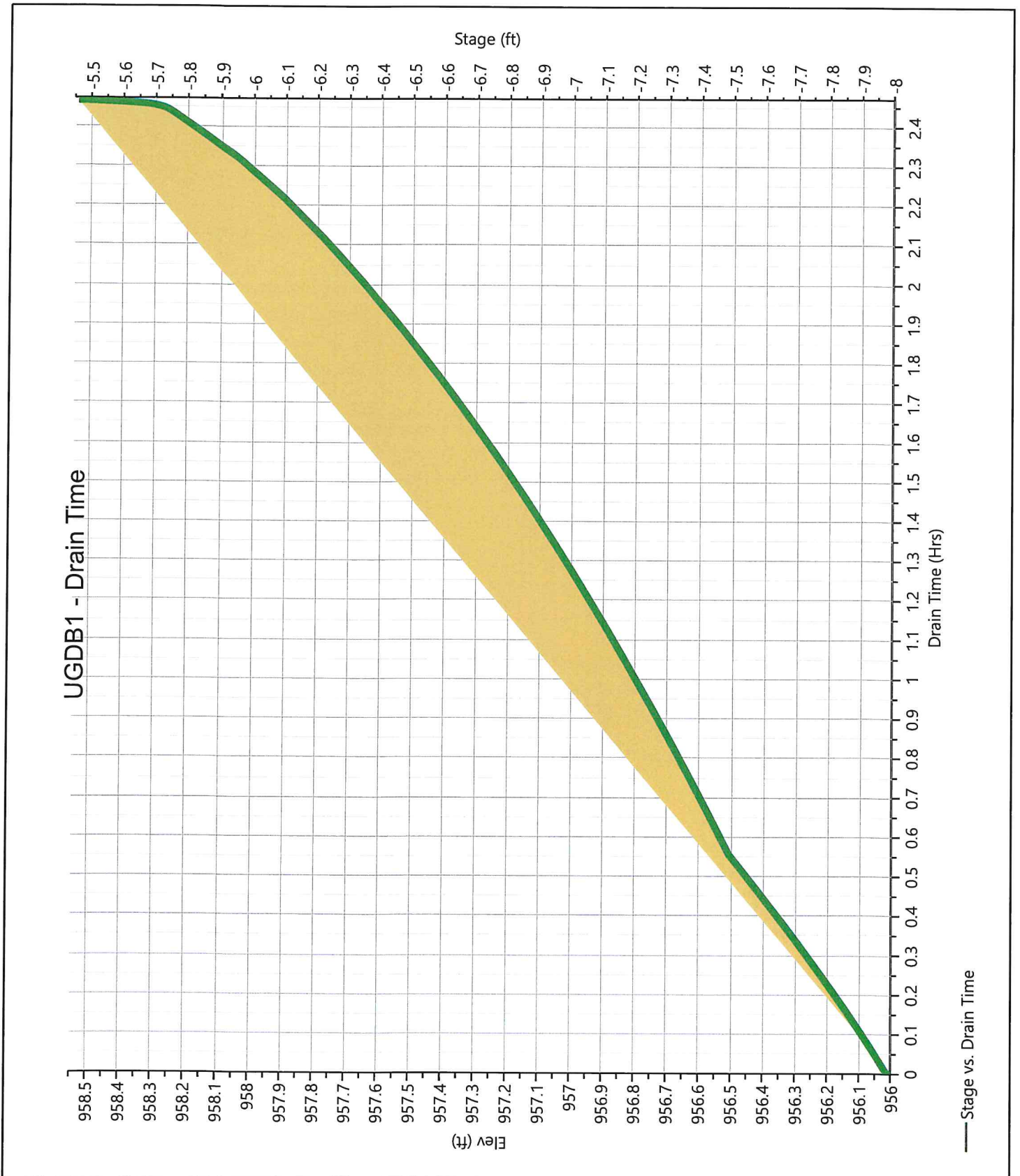
Stage-Storage-Discharge Summary

Stage (ft)	Elev. (ft)	Storage (cuft)	Culvert (cfs)	Orifices, cfs			Riser (cfs)	Weirs, cfs			Pf Riser (cfs)	Exfil (cfs)	User (cfs)	Total (cfs)
				1	2	3		1	2	3				
0.00	956.00	0.000	0.000					0.000				0.000		0.000
0.13	956.13	7.91	0.000					0.000				0.015		0.015
0.25	956.25	15.8	0.000					0.000				0.016		0.016
0.38	956.38	23.7	0.000					0.000				0.017		0.017
0.51	956.51	31.8	0.000					0.000				0.018		0.018
0.64	956.64	44.8	0.000					0.000				0.019		0.019
0.76	956.76	57.8	0.000					0.000				0.020		0.020
0.89	956.89	70.7	0.000					0.000				0.021		0.021
1.02	957.02	83.5	0.000					0.000				0.022		0.022
1.14	957.14	96.1	0.000					0.000				0.023		0.023
1.27	957.27	109	0.000					0.000				0.024		0.024
1.40	957.40	121	0.000					0.000				0.025		0.025
1.53	957.53	133	0.000					0.000				0.026		0.026
1.65	957.65	144	0.000					0.000				0.027		0.027
1.78	957.78	155	0.000					0.000				0.028		0.028
1.91	957.91	166	0.000					0.000				0.029		0.029
2.03	958.03	175	0.000					0.000				0.030		0.030
2.16	958.16	183	0.000					0.000				0.031		0.031
2.29	958.29	191	0.048 ic					0.048				0.032		0.080
2.41	958.41	199	0.441 ic					0.441				0.033		0.473
2.54	958.54	207	1.040 ic					1.040				0.034		1.073

Suffix key: ic = inlet control, oc = outlet control, s = submerged weir

UGDB1

Pond Drawdown



Pond Report

Project Name:

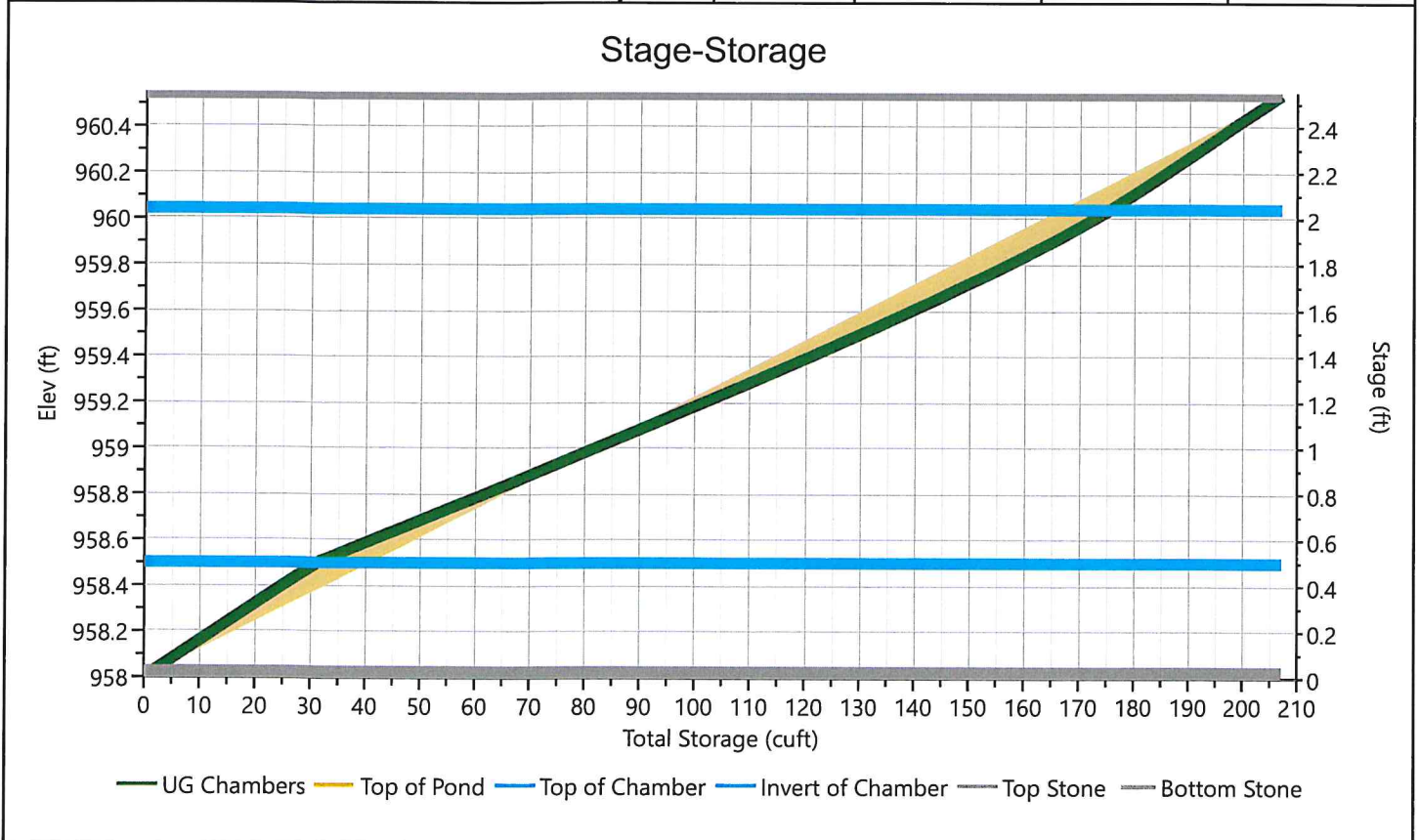
Hydrology Studio v 3.0.0.19

04-30-2021

UGB2

Stage-Storage

Cultec Recharger® 150XLHD Chamber			Stage / Storage Table				
Description	Input	Stage (in)	Elevation (ft)	Contour Area (sqft)	Incr. Storage (cuft)	Total Storage (cuft)	
Chamber Height, in	18.5	0.0	958.00	156	0.000	0.000	
Chamber Shape	Arch	1.5	958.13	156	7.91	7.91	
Chamber Width, in	33	3.1	958.25	156	7.91	15.8	
Installed Length, ft	10.25	4.6	958.38	156	7.91	23.7	
No. Chambers	3	6.1	958.51	156	8.06	31.8	
Bare Chamber Stor, cuft	81.5	7.6	958.64	156	13.0	44.8	
No. Rows	1	9.2	958.76	156	13.0	57.8	
Space Between Rows, in	6	10.7	958.89	156	12.9	70.7	
Stone Above, in	6	12.2	959.02	156	12.8	83.5	
Stone Below, in	6	13.7	959.14	156	12.6	96.1	
Stone Sides, in	12	15.3	959.27	156	12.4	109	
Stone Ends, in	12	16.8	959.40	156	12.2	121	
Encasement Voids, %	40.00	18.3	959.53	156	11.9	133	
Encasement Bottom Elevation, ft	958.00	19.8	959.65	156	11.5	144	
		21.4	959.78	156	11.0	155	
		22.9	959.91	156	10.4	166	
		24.4	960.03	156	9.39	175	
		25.9	960.16	156	8.31	183	
		27.5	960.29	156	7.91	191	
		29.0	960.41	156	7.91	199	
		30.5	960.54	156	7.91	207	



Pond Report

Project Name:

Hydrology Studio v 3.0.0.19

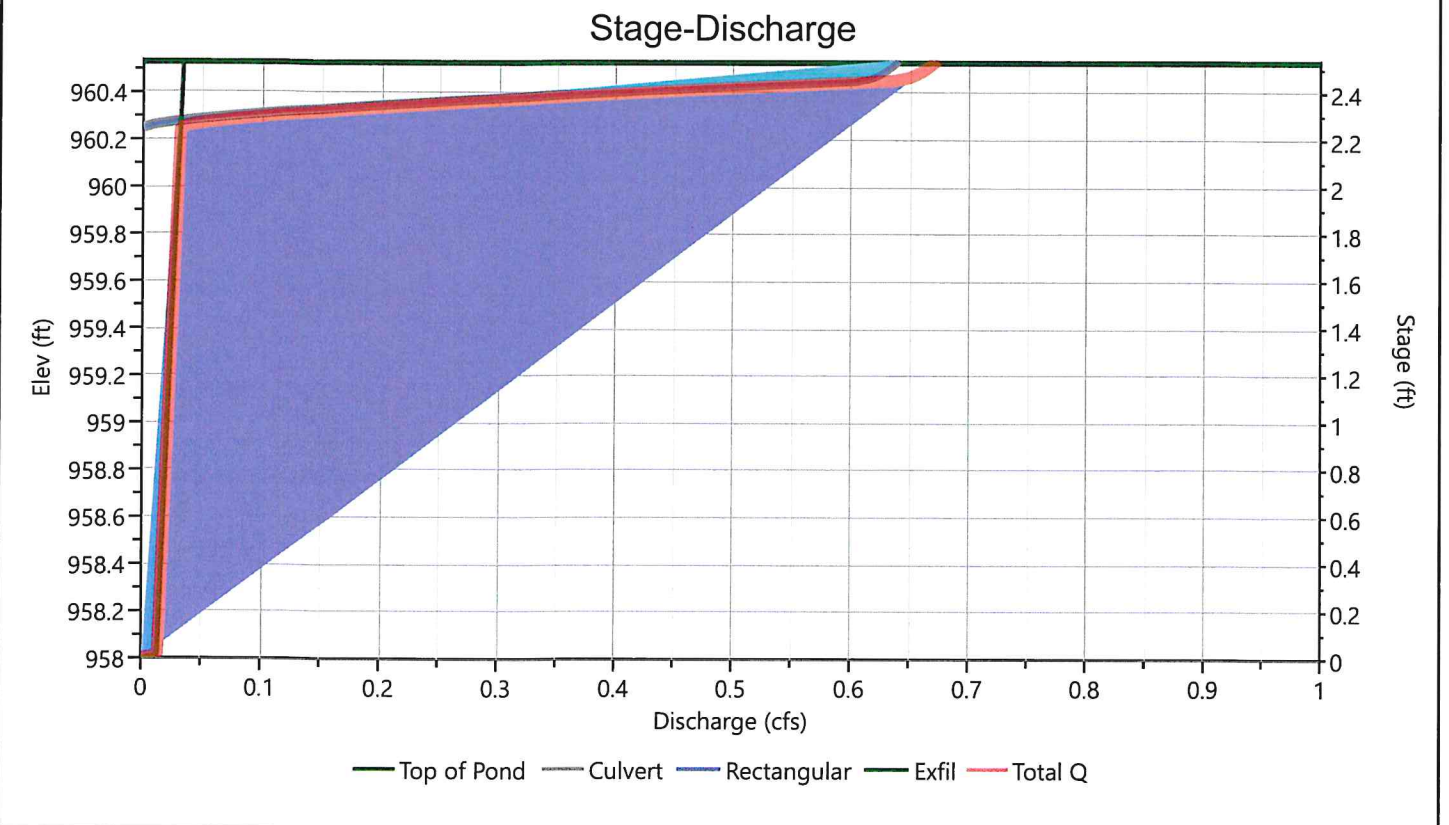
04-30-2021

UGB2

Stage-Discharge

Culvert / Orifices	Culvert	Orifices			Perforated Riser	
		1	2	3		
Rise, in	4				Hole Diameter, in	
Span, in	4				No. holes	
No. Barrels	1				Invert Elevation, ft	
Invert Elevation, ft	958.00				Height, ft	
Orifice Coefficient, Co	0.60				Orifice Coefficient, Co	
Length, ft	20					
Barrel Slope, %	5					
N-Value, n	0.012					
Weirs	Riser*	Weirs			Ancillary	
		1*	2	3		
Shape / Type		Rectangular			Exfiltration, in/hr	3.75**
Crest Elevation, ft		960.25				
Crest Length, ft		2				
Angle, deg						
Weir Coefficient, Cw		3.3				

*Routes through Culvert. **Exfiltration extracted from outflow hydrograph. Rate applied to contours.



Pond Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

UGB2

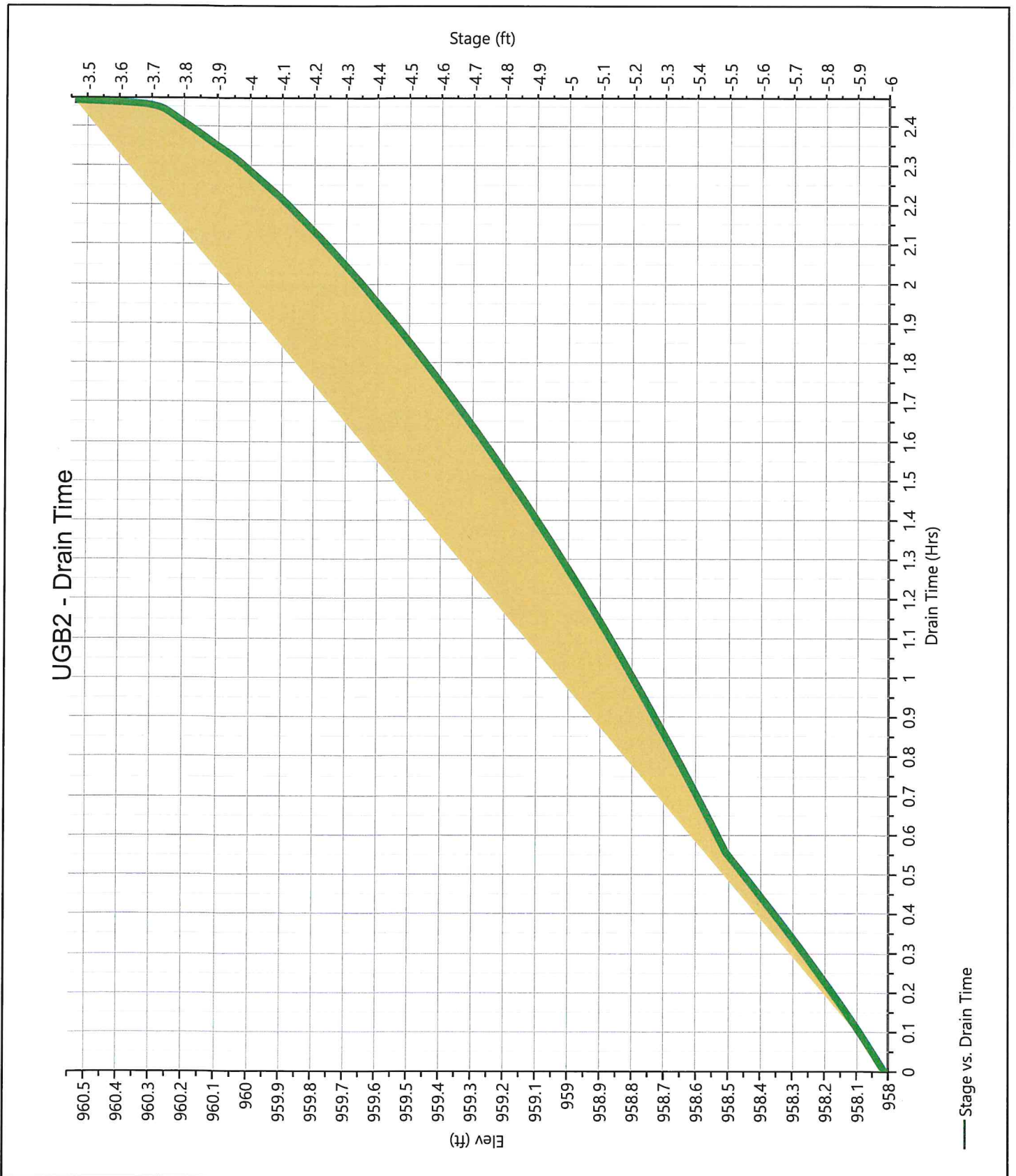
Stage-Storage-Discharge Summary

Stage (ft)	Elev. (ft)	Storage (cuft)	Culvert (cfs)	Orifices, cfs			Riser (cfs)	Weirs, cfs			Pf Riser (cfs)	Exfil (cfs)	User (cfs)	Total (cfs)
				1	2	3		1	2	3				
0.00	958.00	0.000	0.000					0.000				0.000		0.000
0.13	958.13	7.91	0.000					0.000				0.015		0.015
0.25	958.25	15.8	0.000					0.000				0.016		0.016
0.38	958.38	23.7	0.000					0.000				0.017		0.017
0.51	958.51	31.8	0.000					0.000				0.018		0.018
0.64	958.64	44.8	0.000					0.000				0.019		0.019
0.76	958.76	57.8	0.000					0.000				0.020		0.020
0.89	958.89	70.7	0.000					0.000				0.021		0.021
1.02	959.02	83.5	0.000					0.000				0.022		0.022
1.14	959.14	96.1	0.000					0.000				0.023		0.023
1.27	959.27	109	0.000					0.000				0.024		0.024
1.40	959.40	121	0.000					0.000				0.025		0.025
1.53	959.53	133	0.000					0.000				0.026		0.026
1.65	959.65	144	0.000					0.000				0.027		0.027
1.78	959.78	155	0.000					0.000				0.028		0.028
1.91	959.91	166	0.000					0.000				0.029		0.029
2.03	960.03	175	0.000					0.000				0.030		0.030
2.16	960.16	183	0.000					0.000				0.031		0.031
2.29	960.29	191	0.048 ic					0.048				0.032		0.080
2.41	960.41	199	0.441 ic					0.441				0.033		0.473
2.54	960.54	207	0.639 ic					0.639 s				0.034		0.673

Suffix key: ic = inlet control, oc = outlet control, s = submerged weir

UGB2

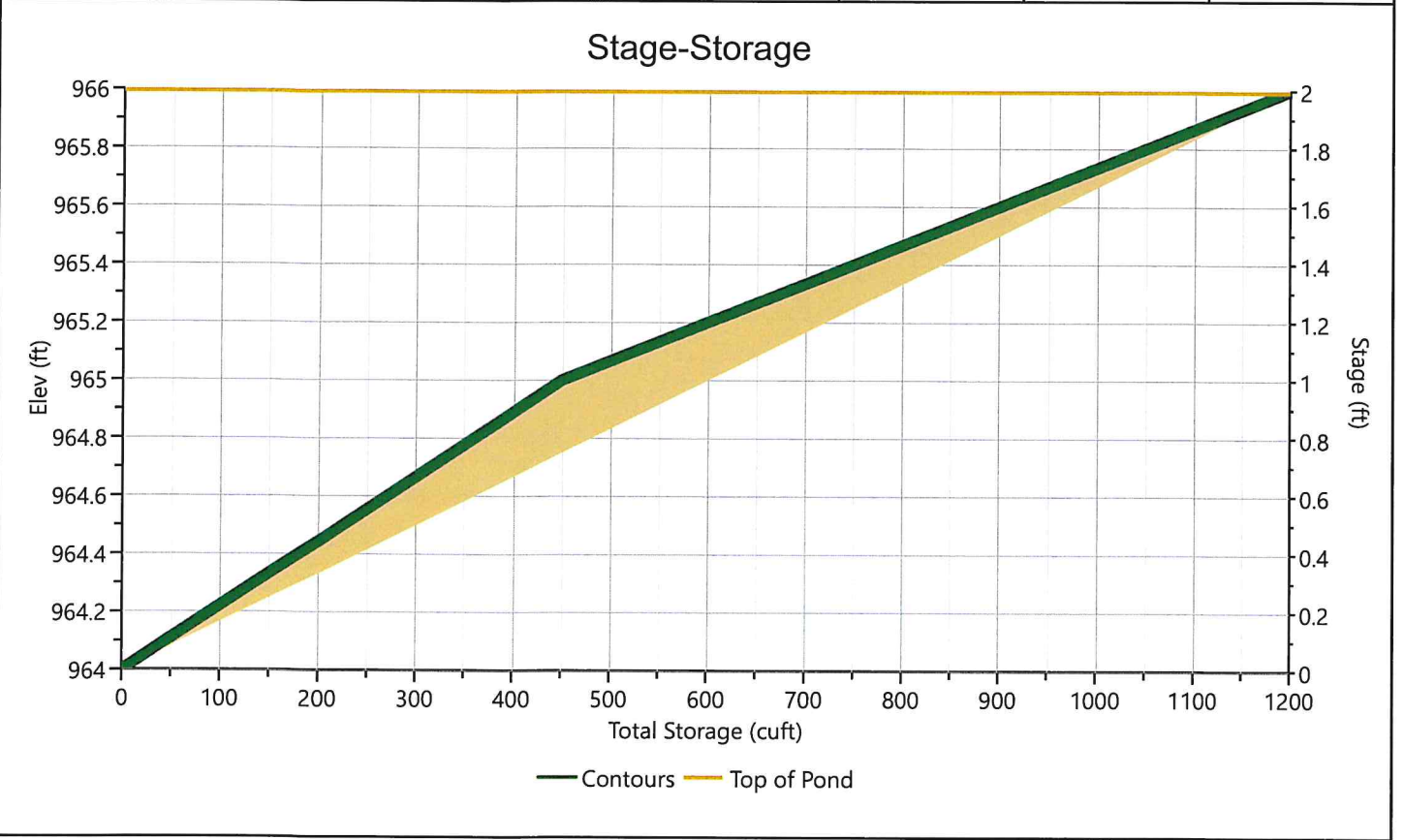
Pond Drawdown



Rain Garden

Stage-Storage

User Defined Contours		Stage / Storage Table				
Description	Input	Stage (ft)	Elevation (ft)	Contour Area (sqft)	Incr. Storage (cuft)	Total Storage (cuft)
Bottom Elevation, ft	964.00	0.00	964.00	300	0.000	0.000
Voids (%)	100.00	1.00	965.00	600	450	450
Volume Calc	None	2.00	966.00	900	750	1,200



Pond Report

Project Name:

Hydrology Studio v 3.0.0.19

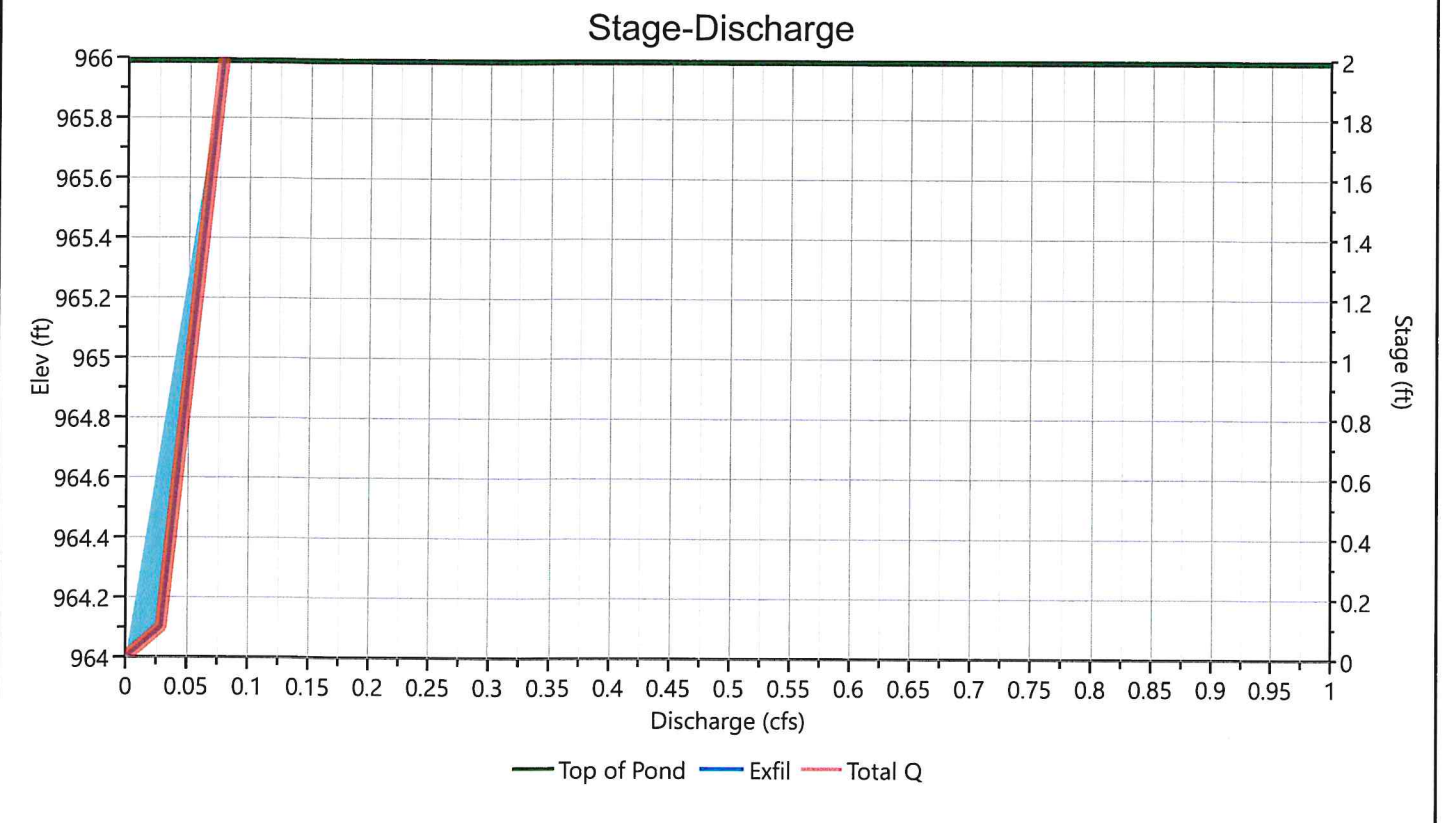
04-30-2021

Rain Garden

Stage-Discharge

Culvert / Orifices	Culvert	Orifices			Orifice Plate	
		1	2	3		
Rise, in					Orifice Dia, in	
Span, in					No. Orifices	
No. Barrels					Invert Elevation, ft	
Invert Elevation, ft					Height, ft	
Orifice Coefficient, Co					Orifice Coefficient, Co	
Length, ft						
Barrel Slope, %						
N-Value, n	0.000					
Weirs	Riser*	Weirs			Ancillary	
		1	2	3		
Shape / Type	Circular				Exfiltration, in/hr	3.75**
Crest Elevation, ft	965.5					
Crest Length, ft	1					
Angle, deg						
Weir Coefficient, Cw	3.3					

*Routes through Culvert. **Exfiltration extracted from outflow hydrograph. Rate applied to contours.



Pond Report

Project Name:

Hydrology Studio v 3.0.0.19

04-30-2021

Rain Garden

Stage-Storage-Discharge Summary

Stage (ft)	Elev. (ft)	Storage (cuft)	Culvert (cfs)	Orifices, cfs			Riser (cfs)	Weirs, cfs			Pf Riser (cfs)	Exfil (cfs)	User (cfs)	Total (cfs)
				1	2	3		1	2	3				
0.00	964.00	0.000					0.000					0.000		0.000
1.00	965.00	450					0.000					0.052		0.052
2.00	966.00	1,200					0.000					0.078		0.078

Suffix key: ic = inlet control, oc = outlet control, s = submerged weir

Rain Garden

Pond Drawdown

