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Hydraflow Hydrographs by Intelisolve

Thursday, Aug 27 2026, 12:42 PM

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Hydrograph Return Period Recap

Hyd. No.	Hydrograph type (origin)	Inflow Hyd(s)	Peak Outflow (cfs)								Hydrograph description
			1-Yr	2-Yr	3-Yr	5-Yr	10-Yr	25-Yr	50-Yr	100-Yr	
1	Rational	—	—	6.05	—	—	9.19	11.00	12.40	13.79	Existing Site
2	Rational	—	—	6.50	—	—	9.86	11.80	13.31	14.80	Prop. Site
3	Rational	—	—	0.24	—	—	0.37	0.44	0.50	0.55	upper-bldg
4	Rational	—	—	0.24	—	—	0.36	0.43	0.48	0.54	lower bldg
5	Rational	—	—	0.91	—	—	1.38	1.65	1.86	2.07	PR-DA-1
6	Reservoir	5	—	0.02	—	—	0.02	0.03	0.03	0.04	ROUTE-THRU-POND-1
7	Rational	—	—	0.82	—	—	1.25	1.49	1.68	1.87	PR-DA-2
8	Reservoir	7	—	0.01	—	—	0.02	0.02	0.02	0.02	ROUTE-THRU-POND-2
9	Rational	—	—	0.75	—	—	1.14	1.36	1.53	1.70	PR-DA-3
10	Reservoir	9	—	0.02	—	—	0.03	0.29	0.64	0.93	ROUTE-THRU-POND-3
11	Rational	—	—	4.09	—	—	6.21	7.43	8.38	9.32	PR-DA-4
12	Combine	6, 8, 10, 11	—	4.11	—	—	6.25	7.47	8.43	9.37	PROP-SITE WITH PONDS
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Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	Rational	6.05	1	10	3,632	—	—	—	Existing Site
2	Rational	6.50	1	10	3,898	—	—	—	Prop. Site
3	Rational	0.24	1	10	146	—	—	—	upper-bldg
4	Rational	0.24	1	10	142	—	—	—	lower bldg
5	Rational	0.91	1	10	545	—	—	—	PR-DA-1
6	Reservoir	0.02	1	20	512	5	276.39	535	ROUTE-THRU-POND-1
7	Rational	0.82	1	10	493	—	—	—	PR-DA-2
8	Reservoir	0.01	1	20	449	7	266.54	487	ROUTE-THRU-POND-2
9	Rational	0.75	1	10	449	—	—	—	PR-DA-3
10	Reservoir	0.02	1	20	423	9	254.92	439	ROUTE-THRU-POND-3
11	Rational	4.09	1	10	2,455	—	—	—	PR-DA-4
12	Combine	4.11	1	10	3,839	6, 8, 10, 11	—	—	PROP-SITE WITH PONDS
1127.gpw					Return Period: 2 Year			Wednesday, Aug 26 2026, 7:51 PM	

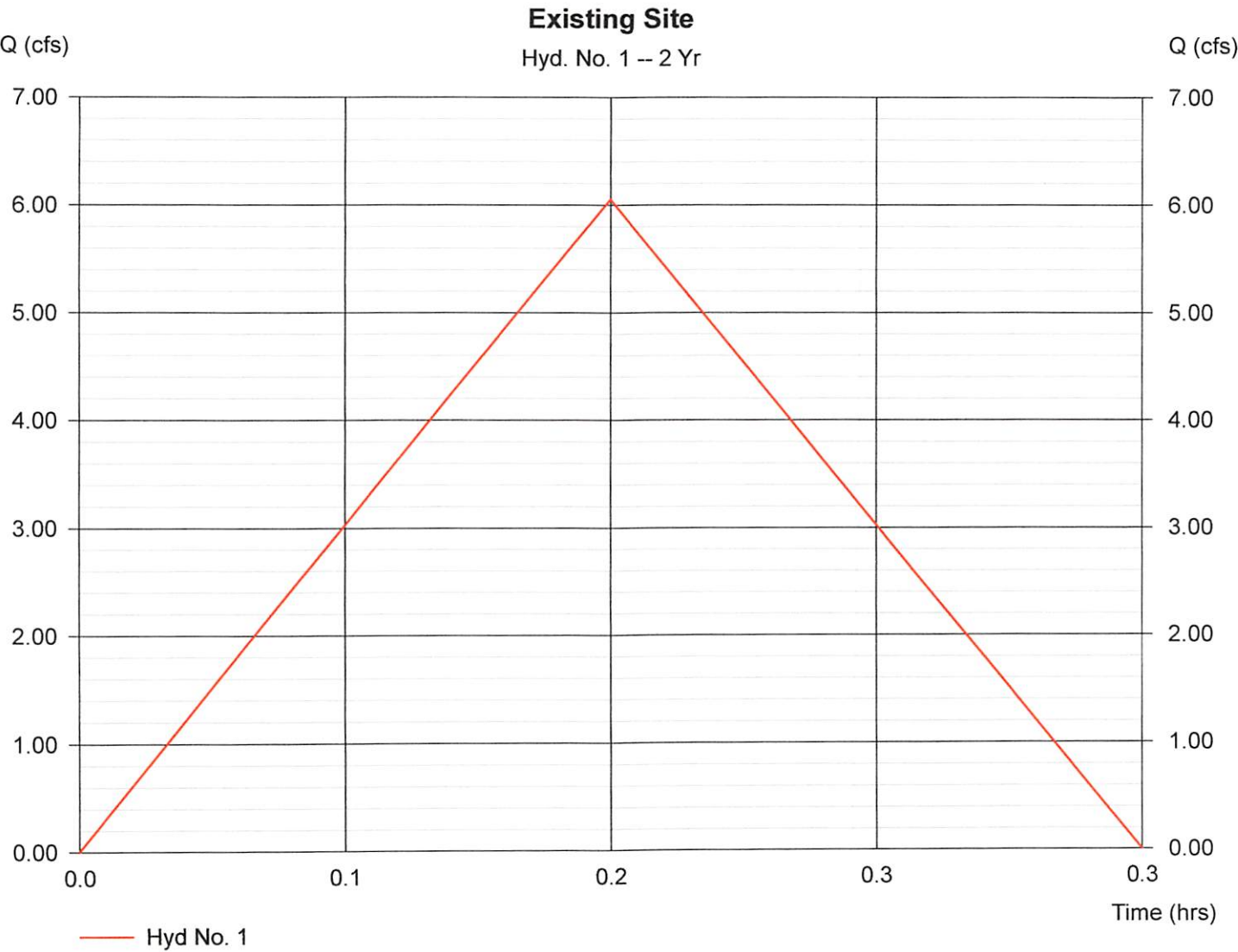
Hydrograph Plot

Hyd. No. 1

Existing Site

Hydrograph type	= Rational	Peak discharge	= 6.05 cfs
Storm frequency	= 2 yrs	Time interval	= 1 min
Drainage area	= 4.050 ac	Runoff coeff.	= 0.41
Intensity	= 3.646 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 3,632 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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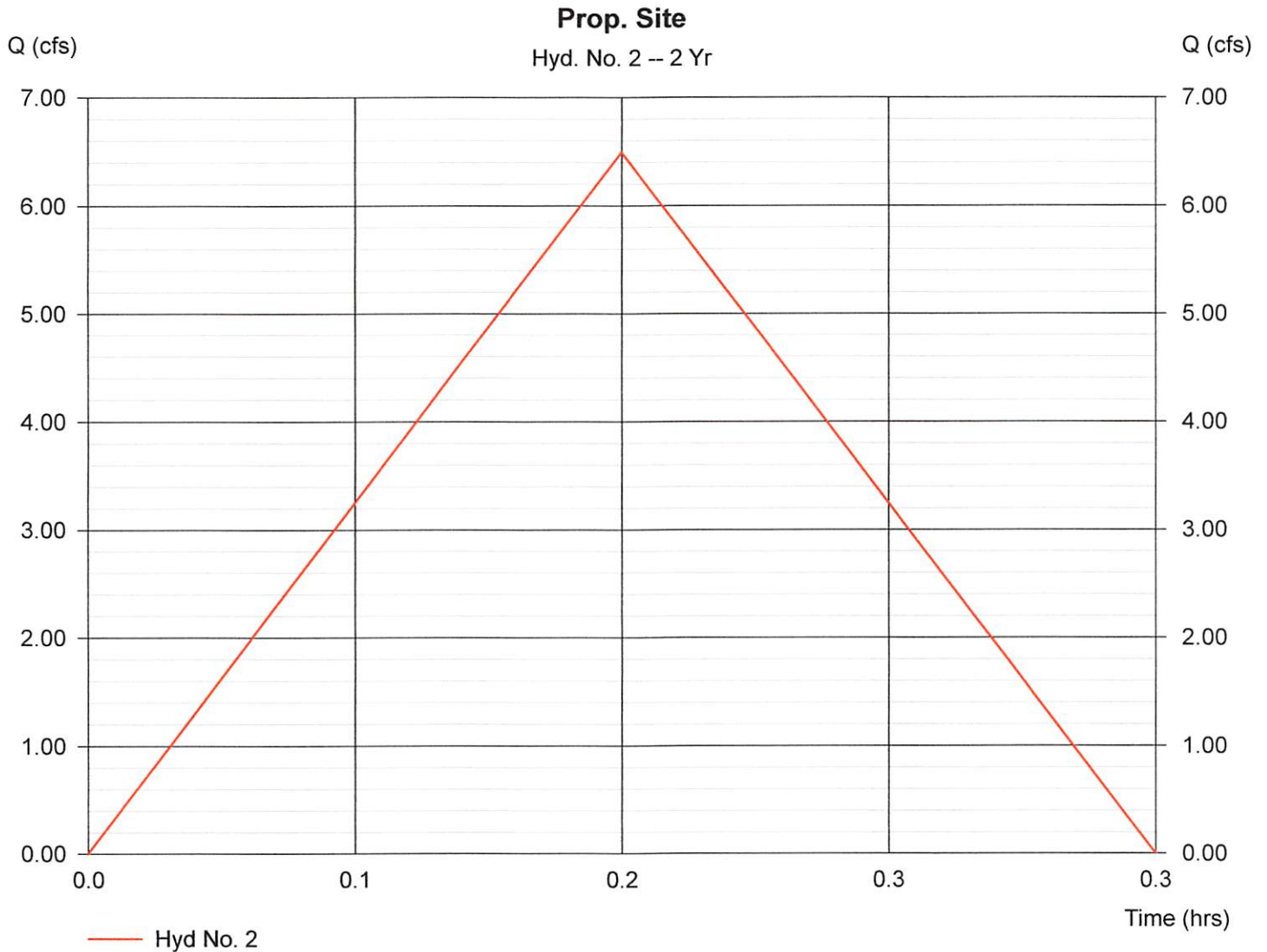
Hyd. No. 2

Prop. Site

Hydrograph type = Rational
 Storm frequency = 2 yrs
 Drainage area = 4.050 ac
 Intensity = 3.646 in/hr
 IDF Curve = noaa-ct.IDF

Peak discharge = 6.50 cfs
 Time interval = 1 min
 Runoff coeff. = 0.44
 Tc by User = 10.00 min
 Asc/Rec limb fact = 1/1

Hydrograph Volume = 3,898 cuft



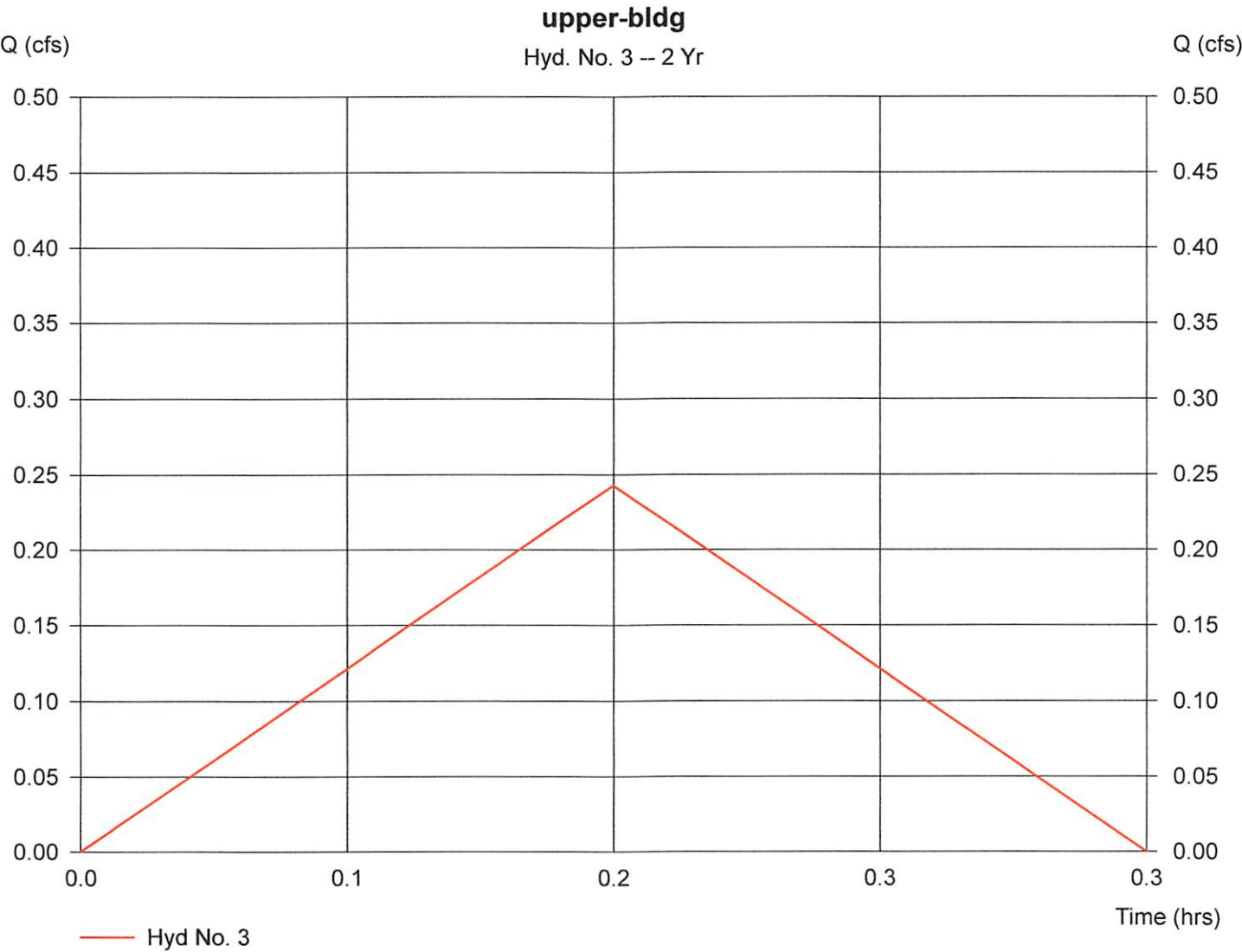
Hydrograph Plot

Hyd. No. 3

upper-bldg

Hydrograph type	= Rational	Peak discharge	= 0.24 cfs
Storm frequency	= 2 yrs	Time interval	= 1 min
Drainage area	= 0.074 ac	Runoff coeff.	= 0.9
Intensity	= 3.646 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 146 cuft



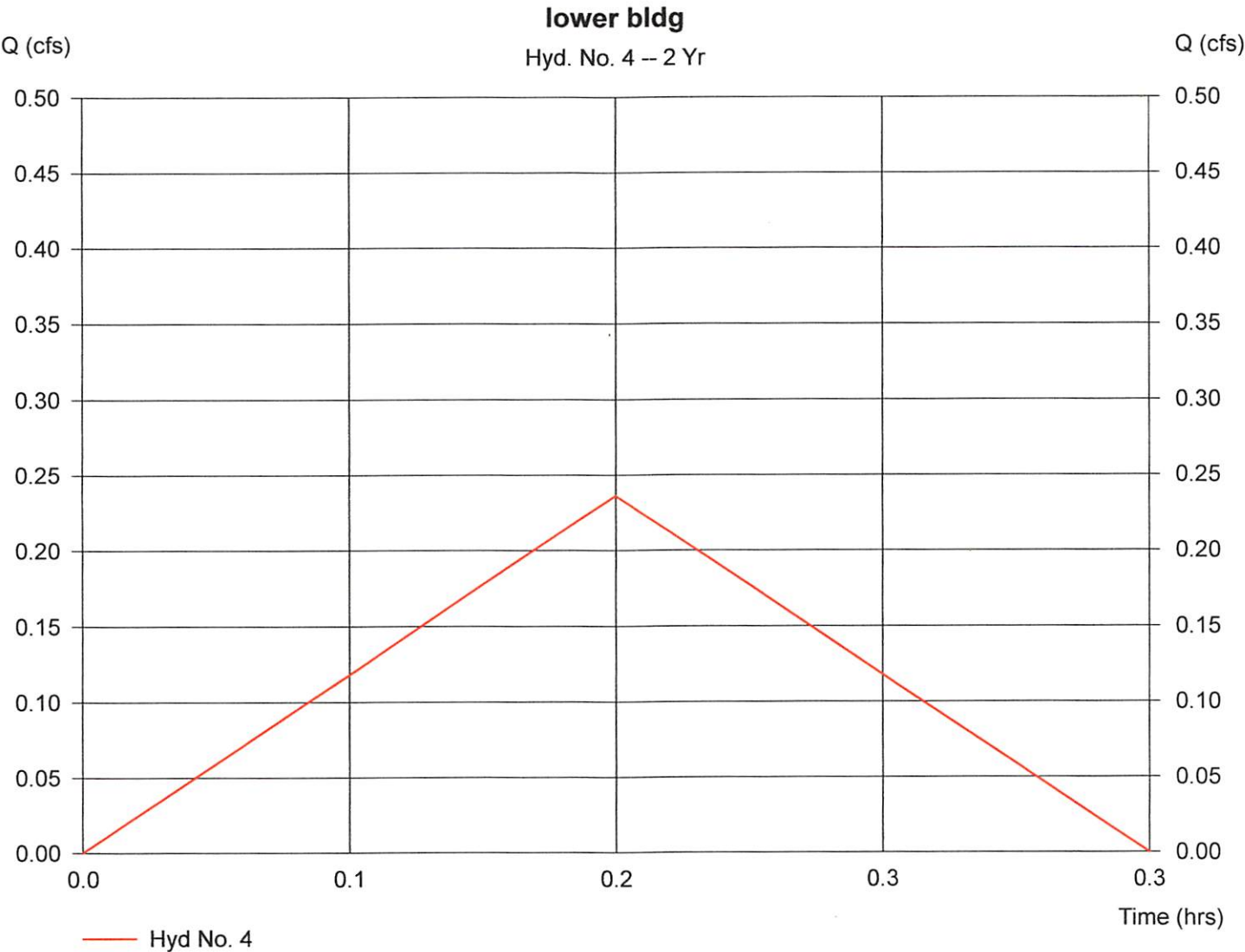
Hydrograph Plot

Hyd. No. 4

lower bldg

Hydrograph type	= Rational	Peak discharge	= 0.24 cfs
Storm frequency	= 2 yrs	Time interval	= 1 min
Drainage area	= 0.072 ac	Runoff coeff.	= 0.9
Intensity	= 3.646 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 142 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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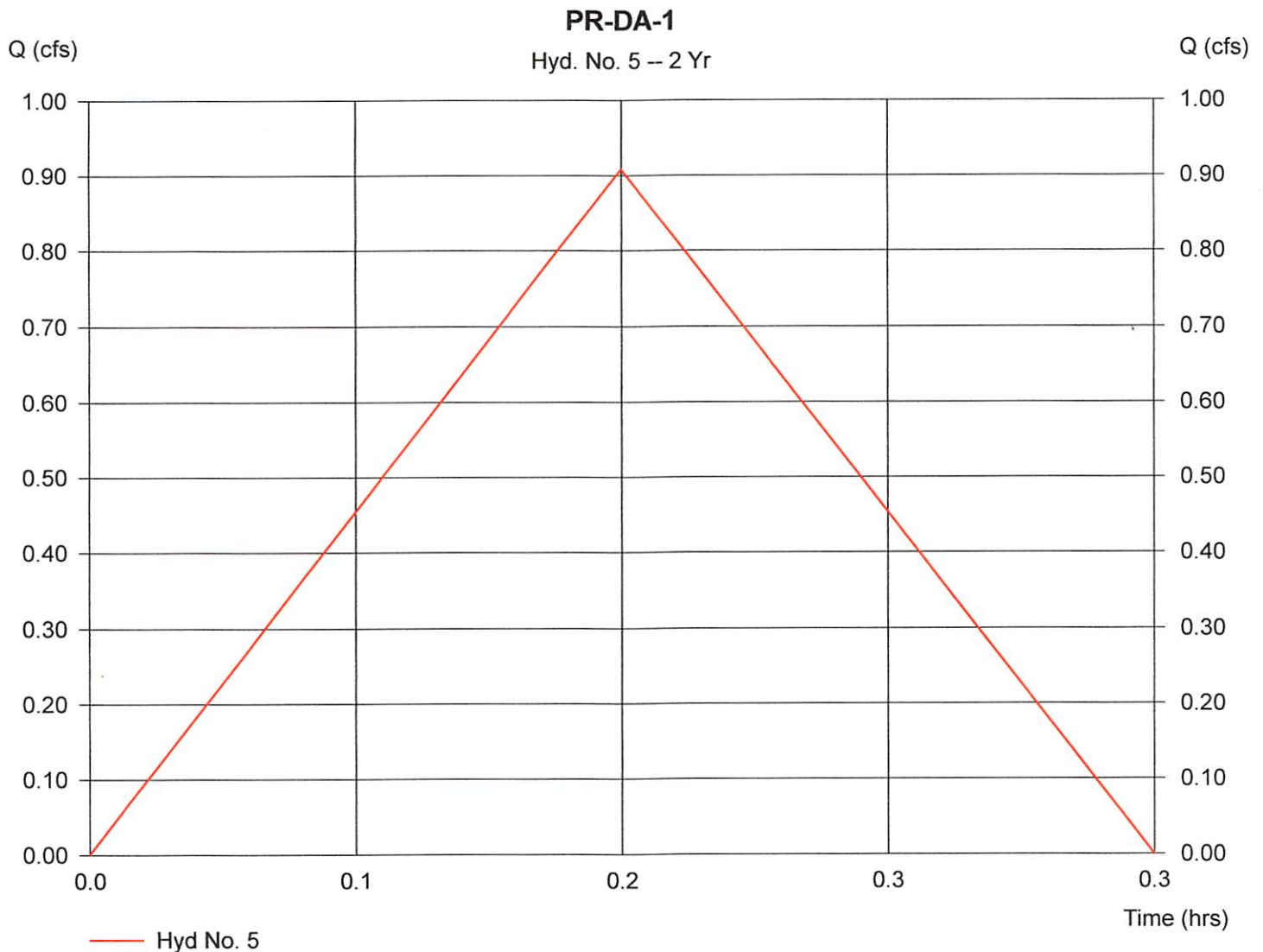
Hyd. No. 5

PR-DA-1

Hydrograph type = Rational
 Storm frequency = 2 yrs
 Drainage area = 0.530 ac
 Intensity = 3.646 in/hr
 IDF Curve = noaa-ct.IDF

Peak discharge = 0.91 cfs
 Time interval = 1 min
 Runoff coeff. = 0.47
 Tc by User = 10.00 min
 Asc/Rec limb fact = 1/1

Hydrograph Volume = 545 cuft



Hydrograph Plot

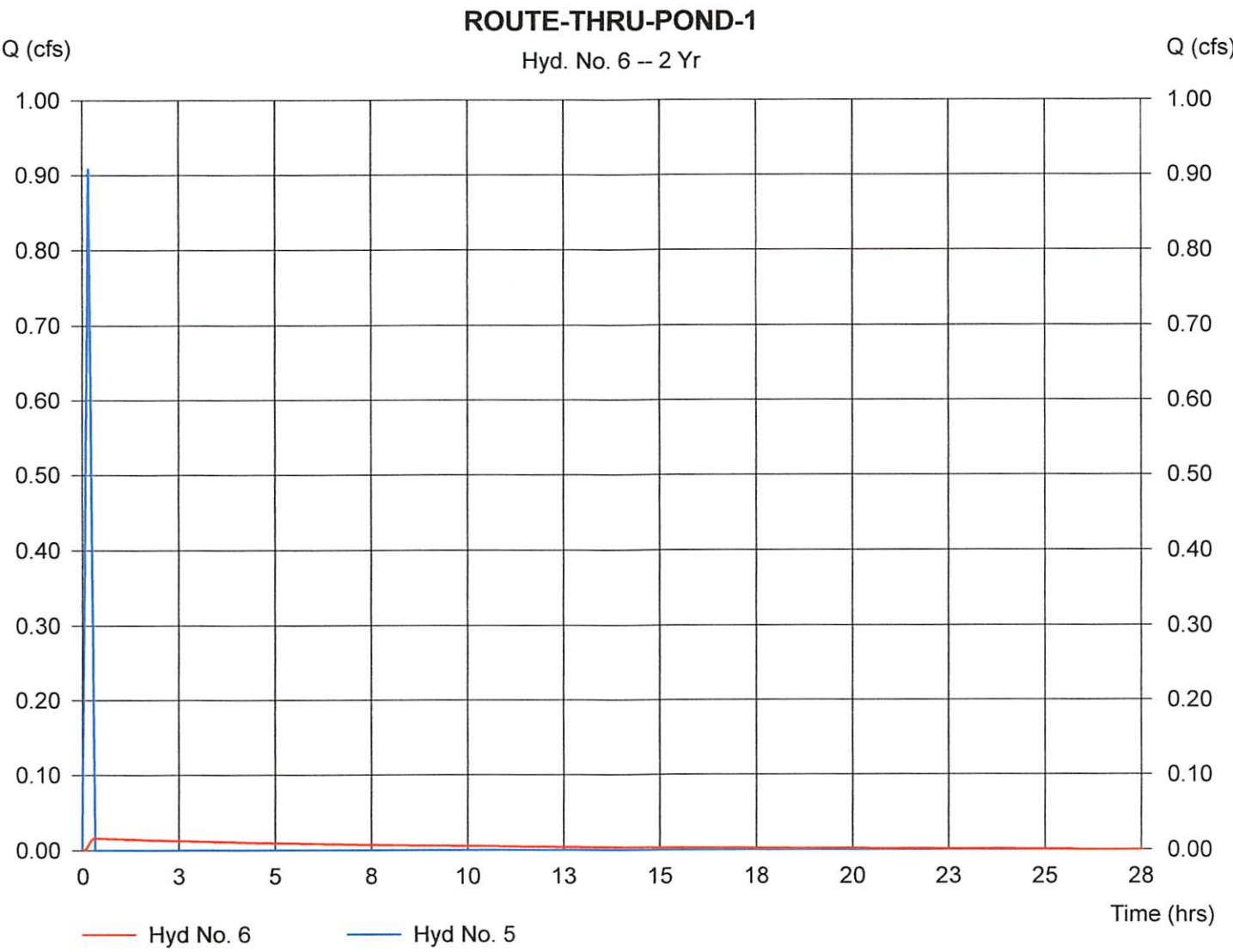
Hyd. No. 6

ROUTE-THRU-POND-1

Hydrograph type	= Reservoir	Peak discharge	= 0.02 cfs
Storm frequency	= 2 yrs	Time interval	= 1 min
Inflow hyd. No.	= 5	Max. Elevation	= 276.39 ft
Reservoir name	= POND-1	Max. Storage	= 535 cuft

Storage Indication method used.

Hydrograph Volume = 512 cuft



Pond Report

Hydraflow Hydrographs by Intelisolve

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Pond No. 1 - POND-1

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	276.00	931	0	0
2.00	278.00	1,813	2,744	2,744

Culvert / Orifice Structures

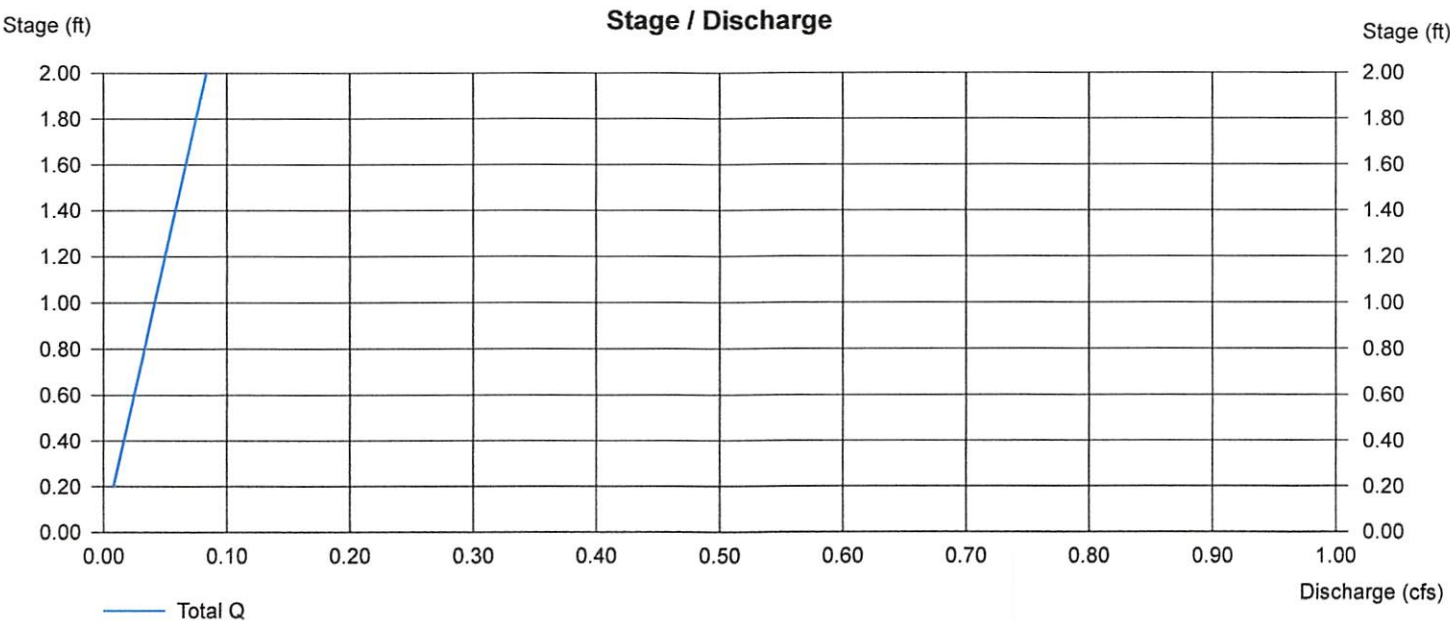
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 0.00	0.00	0.00	0.00
Crest El. (ft)	= 0.00	0.00	0.00	0.00
Weir Coeff.	= 0.00	0.00	0.00	0.00
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



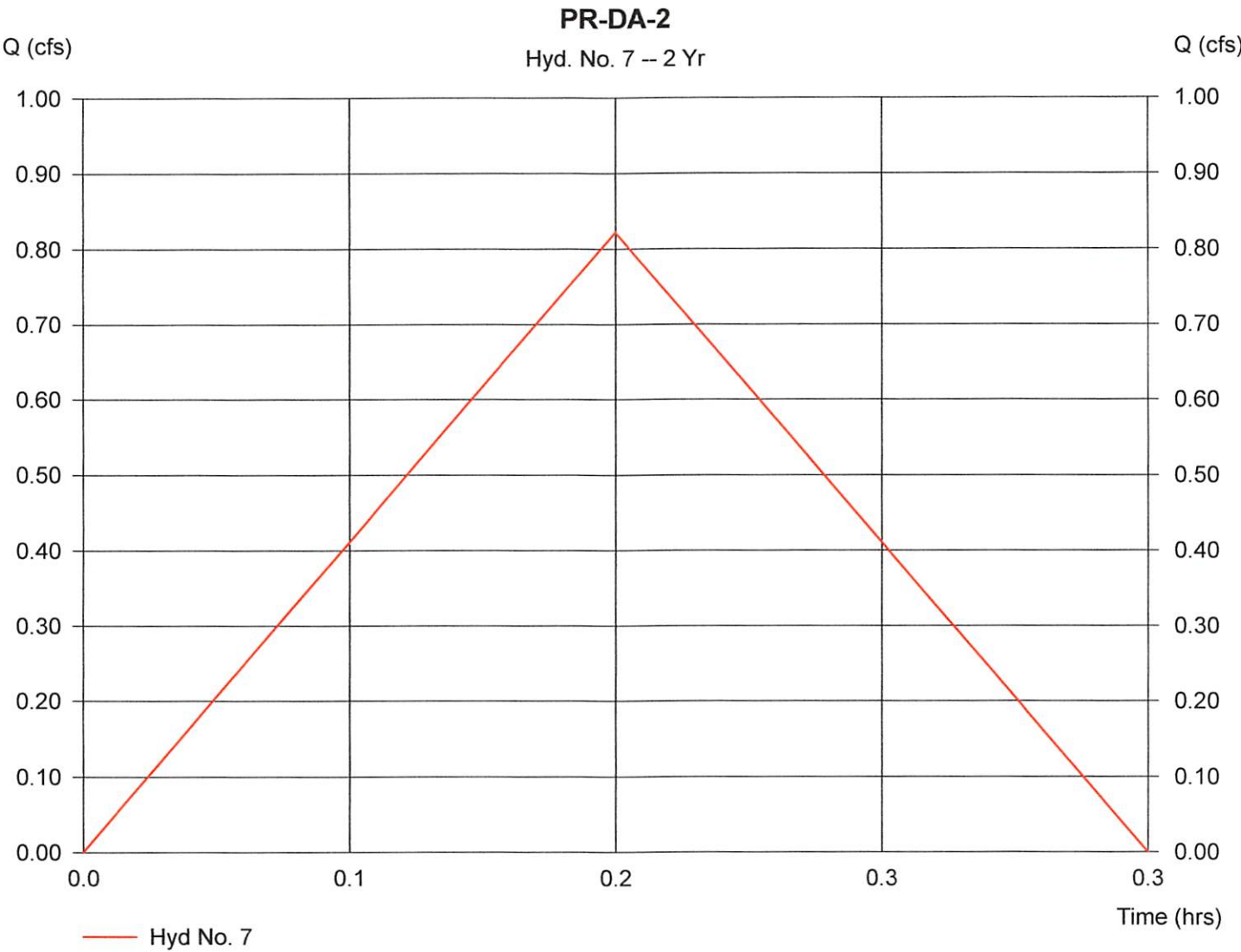
Hydrograph Plot

Hyd. No. 7

PR-DA-2

Hydrograph type	= Rational	Peak discharge	= 0.82 cfs
Storm frequency	= 2 yrs	Time interval	= 1 min
Drainage area	= 0.550 ac	Runoff coeff.	= 0.41
Intensity	= 3.646 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 493 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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Hyd. No. 8

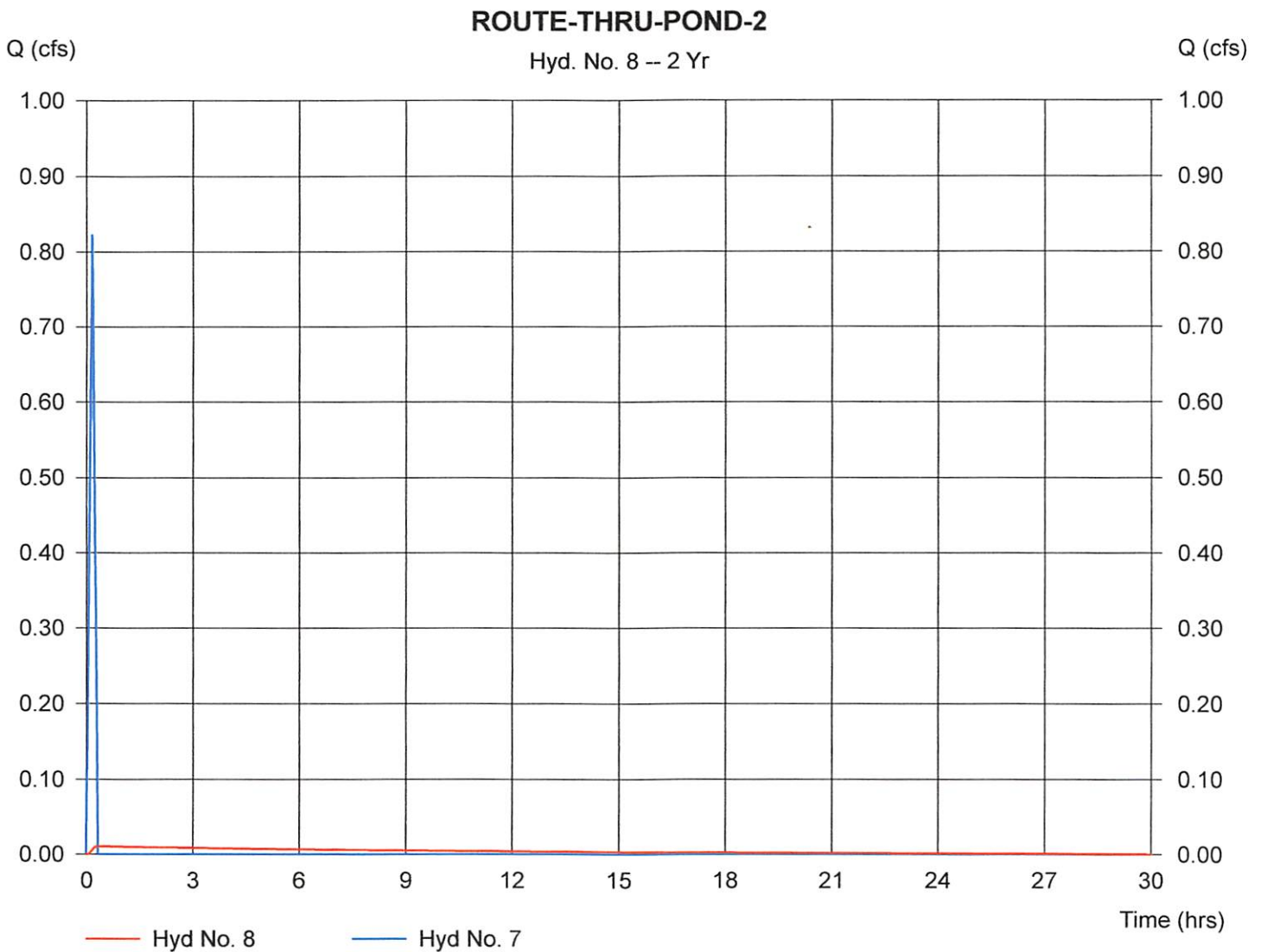
ROUTE-THRU-POND-2

Hydrograph type = Reservoir
 Storm frequency = 2 yrs
 Inflow hyd. No. = 7
 Reservoir name = POND-2

Peak discharge = 0.01 cfs
 Time interval = 1 min
 Max. Elevation = 266.54 ft
 Max. Storage = 487 cuft

Storage Indication method used.

Hydrograph Volume = 449 cuft



Pond Report

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Hydraflow Hydrographs by Intelisolve

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Pond No. 2 - POND-2

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	266.00	931	0	0
2.00	268.00	882	1,813	1,813

Culvert / Orifice Structures

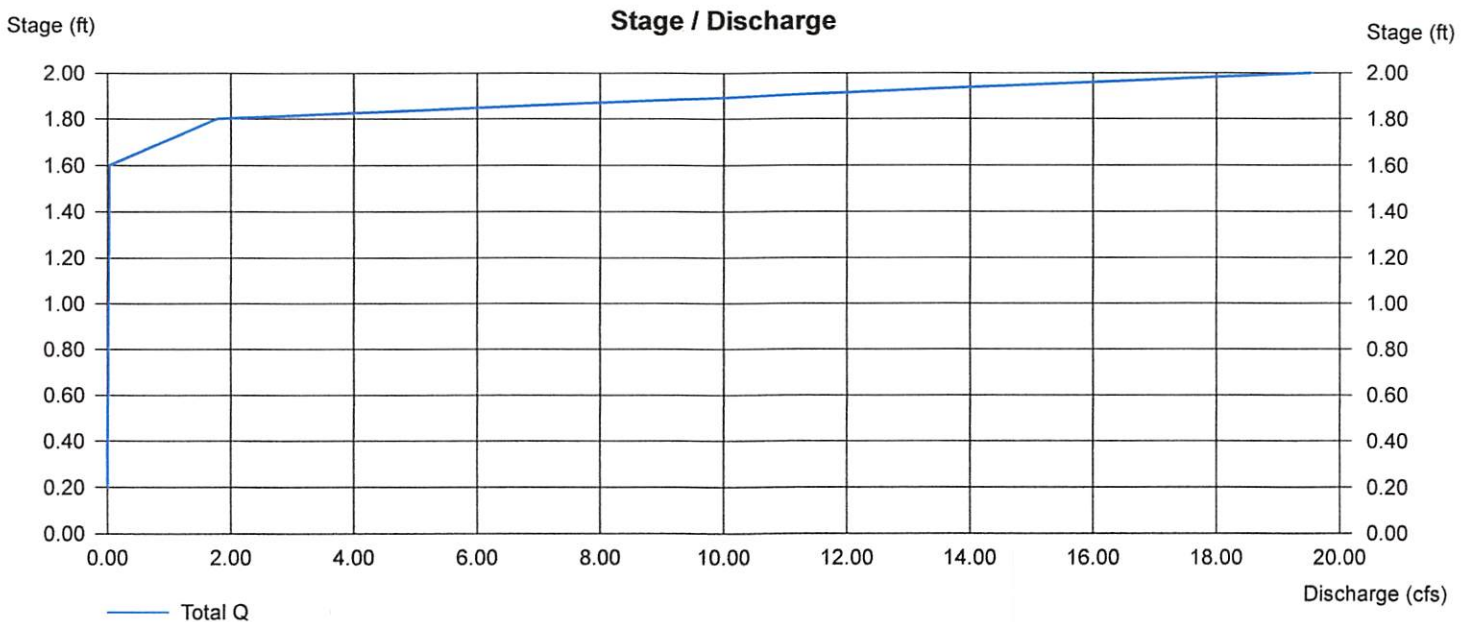
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 60.00	0.00	0.00	0.00
Crest El. (ft)	= 267.75	0.00	0.00	0.00
Weir Coeff.	= 2.60	0.00	0.00	0.00
Weir Type	= Broad	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



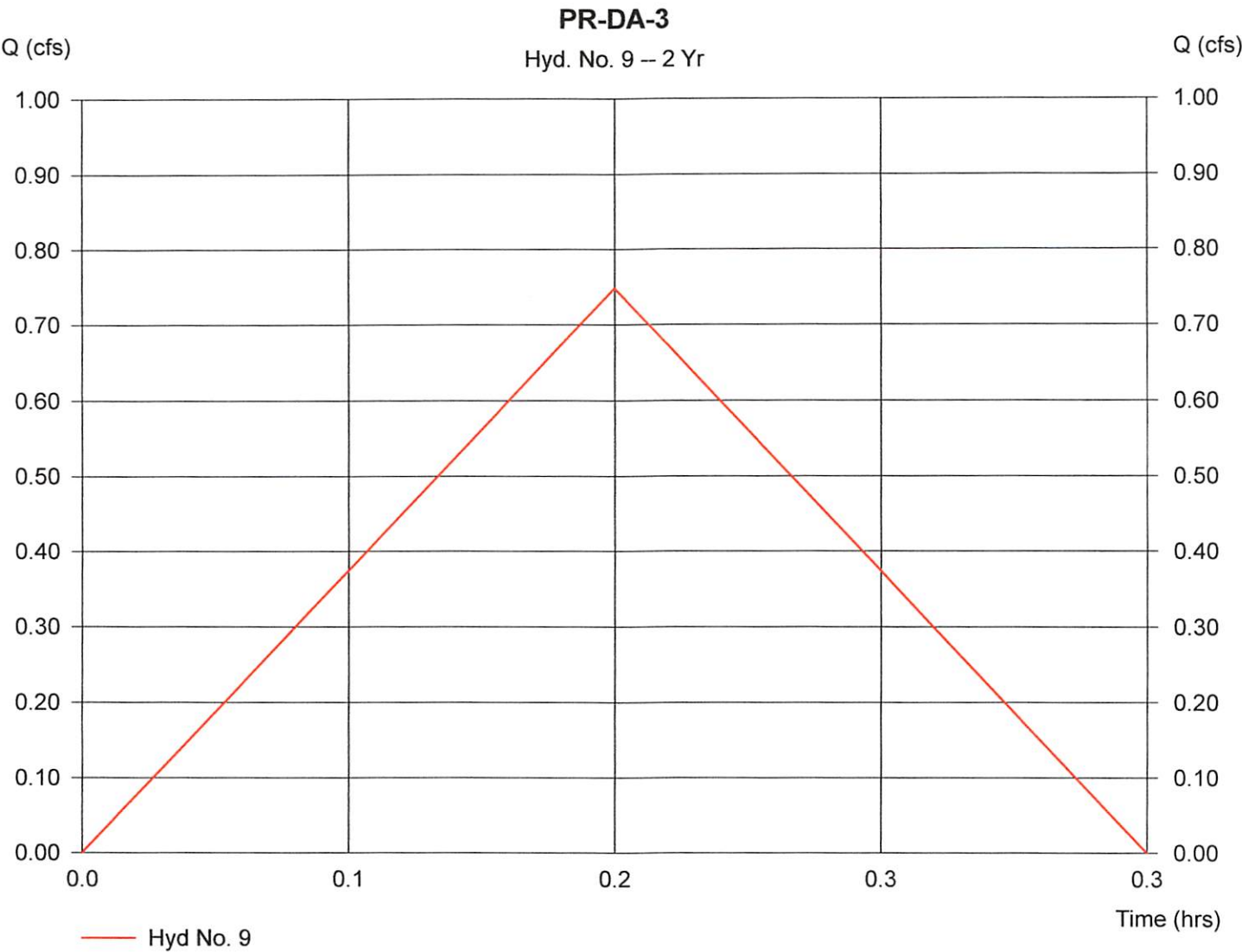
Hydrograph Plot

Hyd. No. 9

PR-DA-3

Hydrograph type	= Rational	Peak discharge	= 0.75 cfs
Storm frequency	= 2 yrs	Time interval	= 1 min
Drainage area	= 0.360 ac	Runoff coeff.	= 0.57
Intensity	= 3.646 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 449 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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Hyd. No. 10

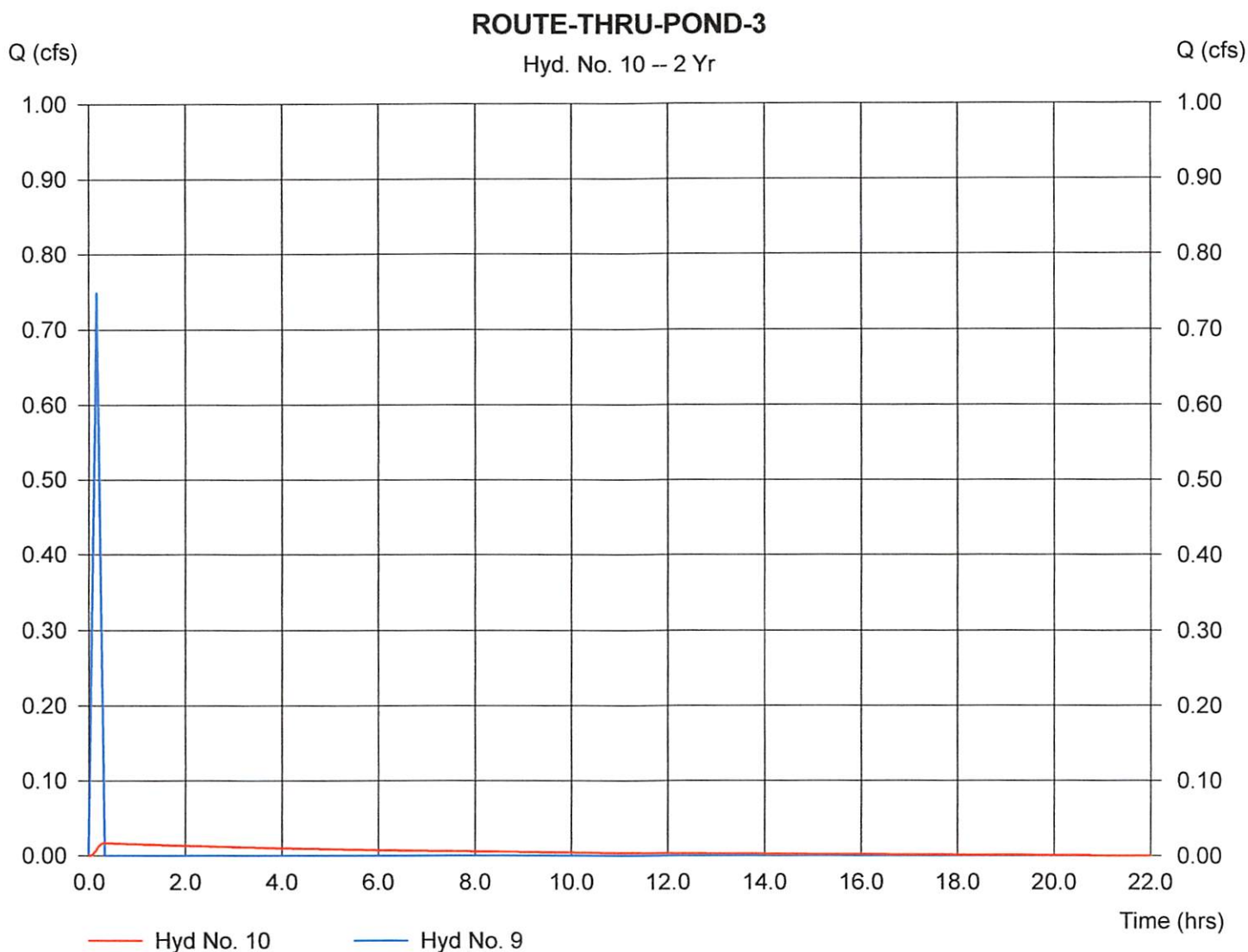
ROUTE-THRU-POND-3

Hydrograph type = Reservoir
 Storm frequency = 2 yrs
 Inflow hyd. No. = 9
 Reservoir name = POND-3

Peak discharge = 0.02 cfs
 Time interval = 1 min
 Max. Elevation = 254.92 ft
 Max. Storage = 439 cuft

Storage Indication method used.

Hydrograph Volume = 423 cuft



Pond Report

Hydraflow Hydrographs by Intelisolve

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Pond No. 3 - POND-3

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	254.00	162	0	0
2.00	256.00	789	951	951

Culvert / Orifice Structures

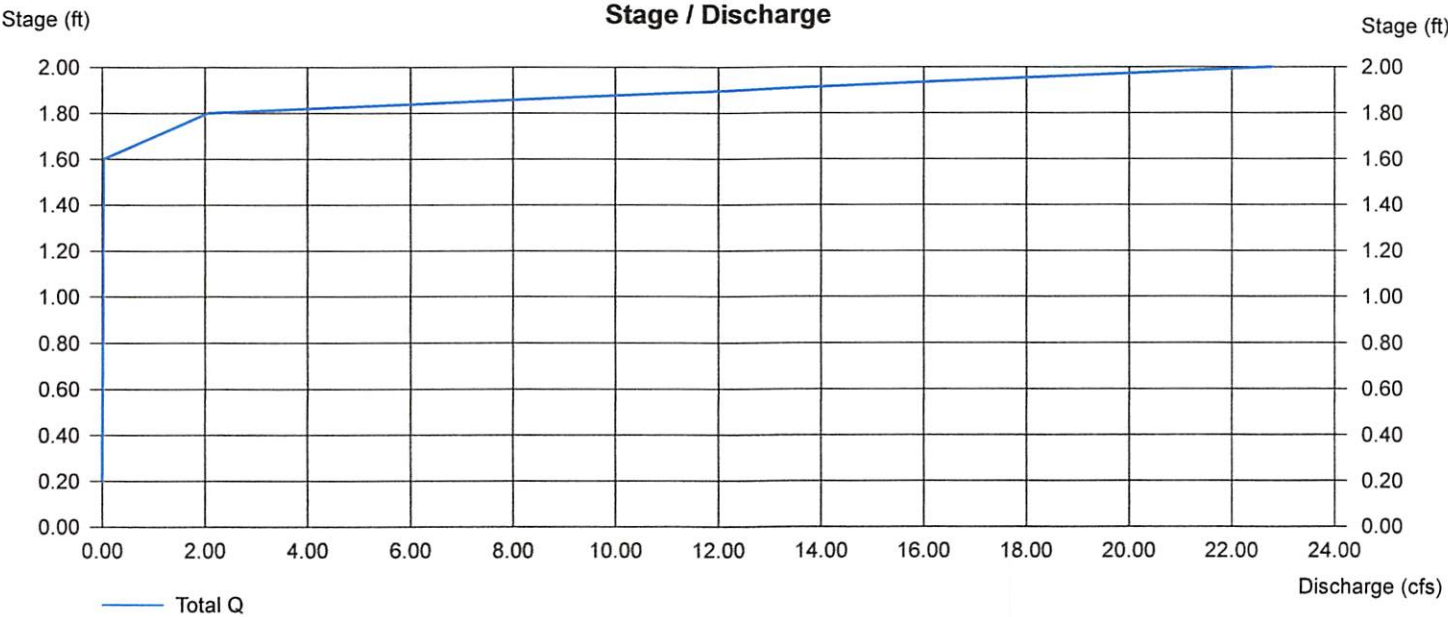
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 70.00	0.00	0.00	0.00
Crest El. (ft)	= 255.75	0.00	0.00	0.00
Weir Coeff.	= 2.60	0.00	0.00	0.00
Weir Type	= Broad	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



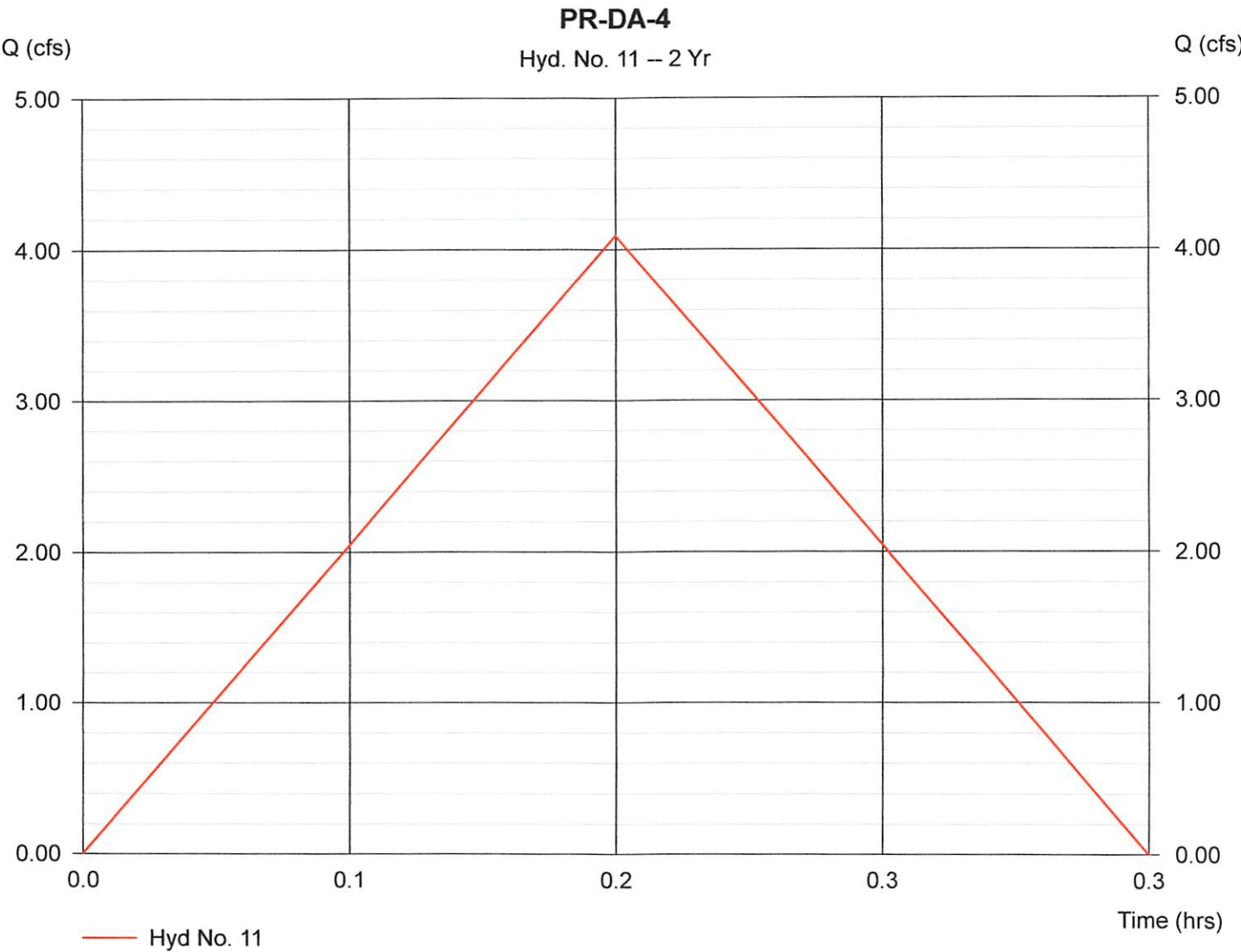
Hydrograph Plot

Hyd. No. 11

PR-DA-4

Hydrograph type	= Rational	Peak discharge	= 4.09 cfs
Storm frequency	= 2 yrs	Time interval	= 1 min
Drainage area	= 2.610 ac	Runoff coeff.	= 0.43
Intensity	= 3.646 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 2,455 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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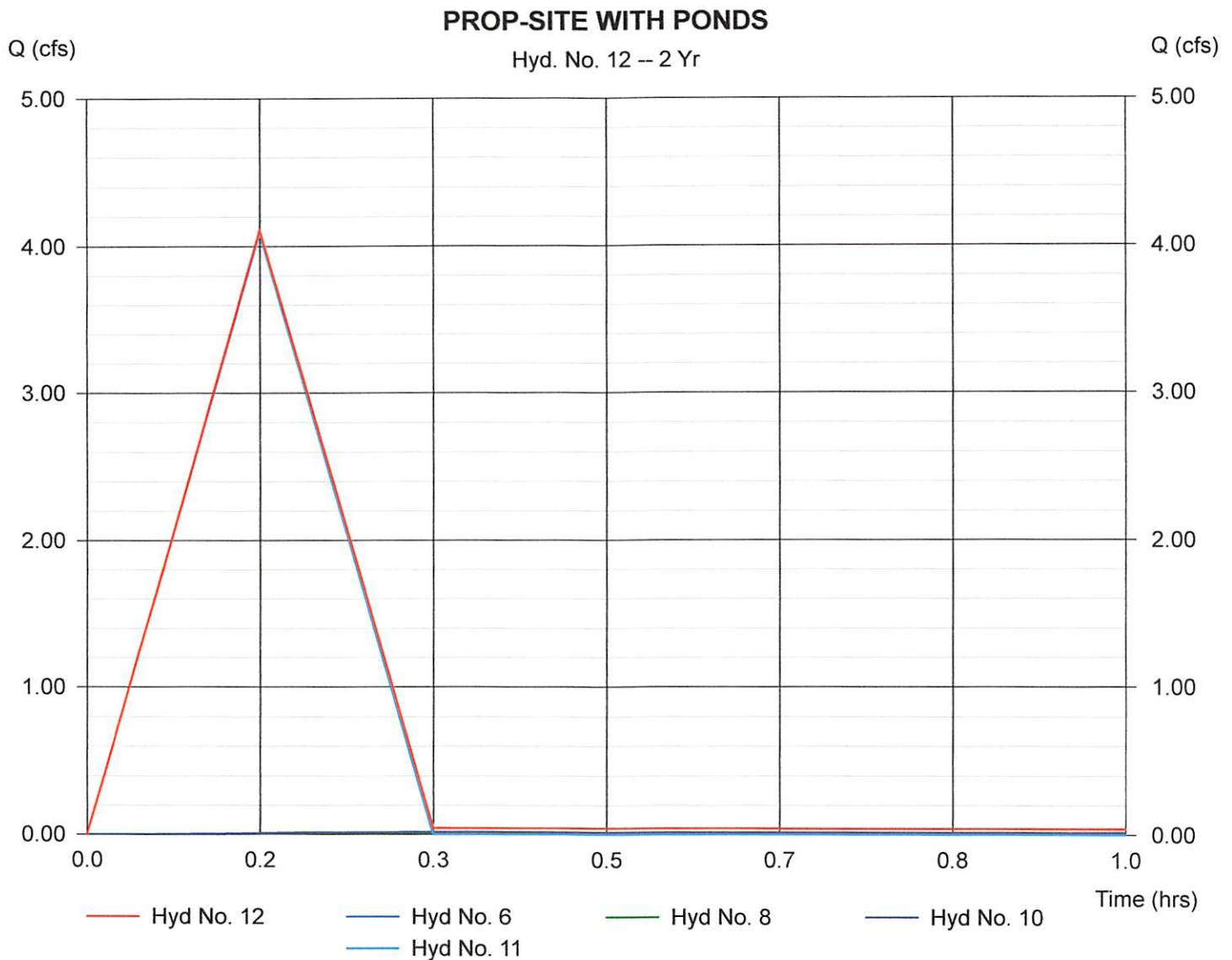
Hyd. No. 12

PROP-SITE WITH PONDS

Hydrograph type = Combine
Storm frequency = 2 yrs
Inflow hyds. = 6, 8, 10, 11

Peak discharge = 4.11 cfs
Time interval = 1 min

Hydrograph Volume = 3,839 cuft



Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	Rational	9.19	1	10	5,515	—	—	—	Existing Site
2	Rational	9.86	1	10	5,918	—	—	—	Prop. Site
3	Rational	0.37	1	10	221	—	—	—	upper-bldg
4	Rational	0.36	1	10	215	—	—	—	lower bldg
5	Rational	1.38	1	10	827	—	—	—	PR-DA-1
6	Reservoir	0.02	1	20	795	5	276.59	812	ROUTE-THRU-POND-1
7	Rational	1.25	1	10	749	—	—	—	PR-DA-2
8	Reservoir	0.02	1	20	704	7	266.82	739	ROUTE-THRU-POND-2
9	Rational	1.14	1	10	681	—	—	—	PR-DA-3
10	Reservoir	0.03	1	20	655	9	255.40	666	ROUTE-THRU-POND-3
11	Rational	6.21	1	10	3,727	—	—	—	PR-DA-4
12	Combine	6.25	1	10	5,882	6, 8, 10, 11	—	—	PROP-SITE WITH PONDS
1127.gpw					Return Period: 10 Year			Wednesday, Aug 26 2026, 7:51 PM	

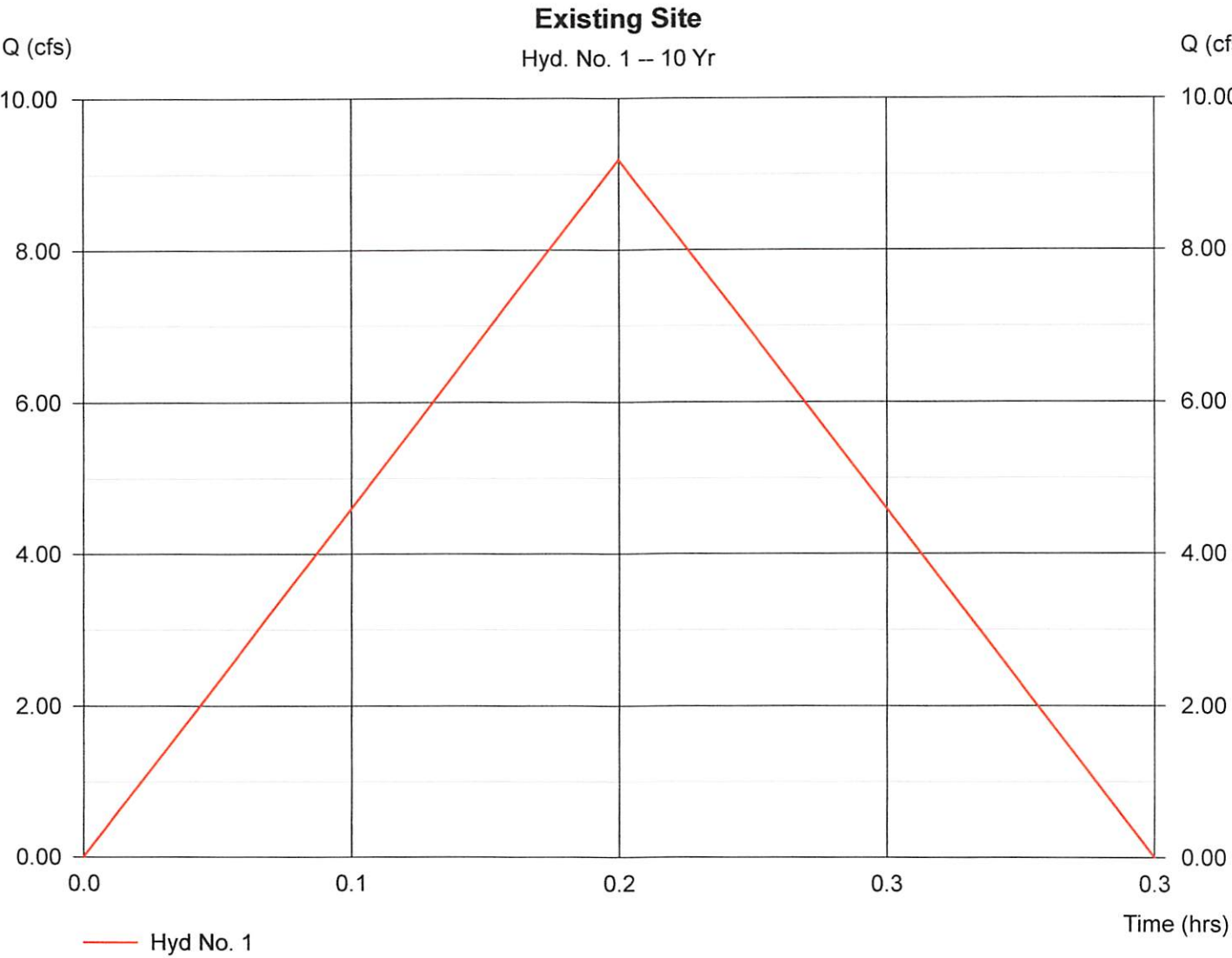
Hydrograph Plot

Hyd. No. 1

Existing Site

Hydrograph type	= Rational	Peak discharge	= 9.19 cfs
Storm frequency	= 10 yrs	Time interval	= 1 min
Drainage area	= 4.050 ac	Runoff coeff.	= 0.41
Intensity	= 5.535 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 5,515 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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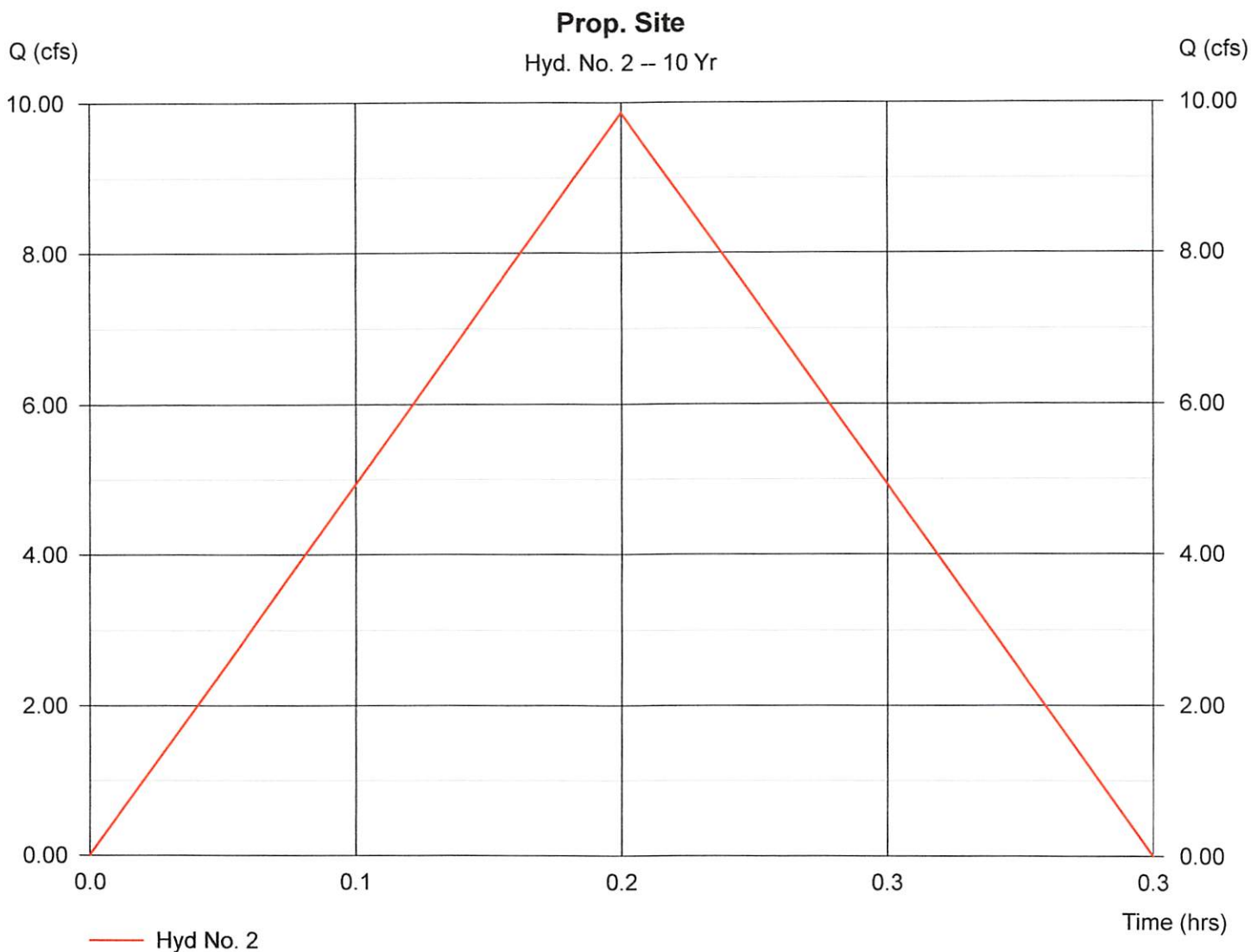
Hyd. No. 2

Prop. Site

Hydrograph type = Rational
 Storm frequency = 10 yrs
 Drainage area = 4.050 ac
 Intensity = 5.535 in/hr
 IDF Curve = noaa-ct.IDF

Peak discharge = 9.86 cfs
 Time interval = 1 min
 Runoff coeff. = 0.44
 Tc by User = 10.00 min
 Asc/Rec limb fact = 1/1

Hydrograph Volume = 5,918 cuft



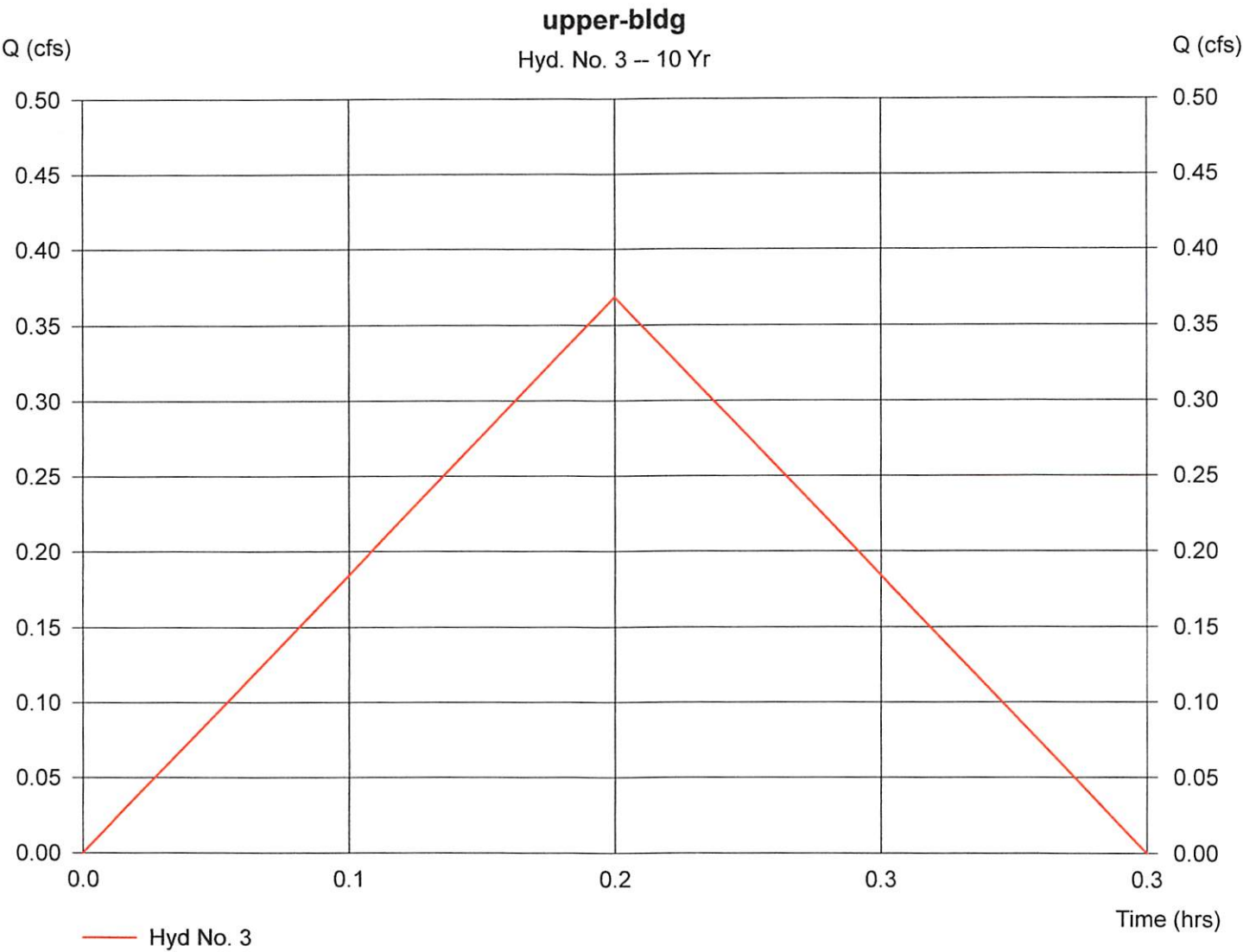
Hydrograph Plot

Hyd. No. 3

upper-bldg

Hydrograph type	= Rational	Peak discharge	= 0.37 cfs
Storm frequency	= 10 yrs	Time interval	= 1 min
Drainage area	= 0.074 ac	Runoff coeff.	= 0.9
Intensity	= 5.535 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 221 cuft

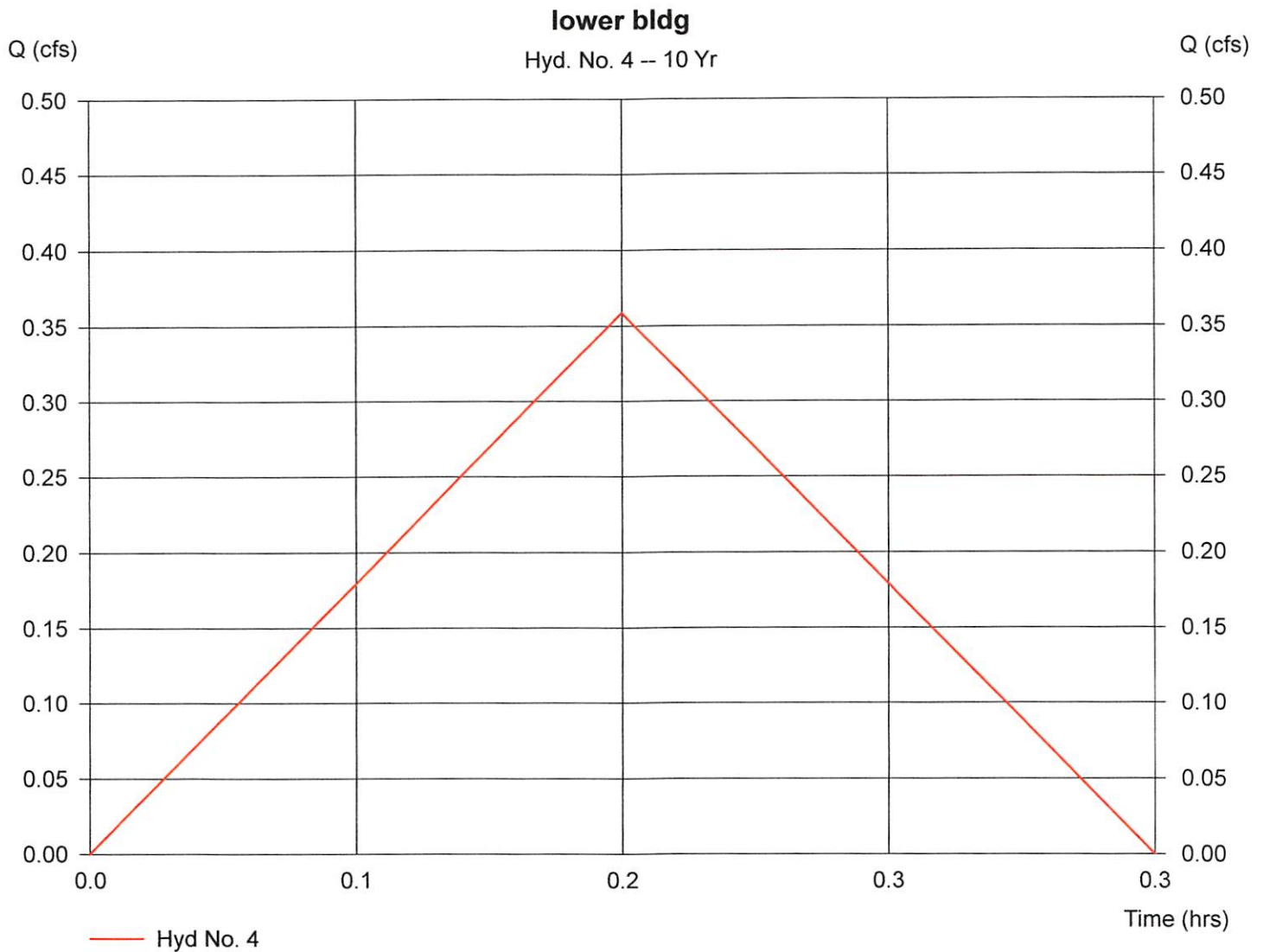


Hyd. No. 4

Hydrograph type = Rational
Storm frequency = 10 yrs
Drainage area = 0.072 ac
Intensity = 5.535 in/hr
IDF Curve = noaa-ct.IDF

Peak discharge = 0.36 cfs
Time interval = 1 min
Runoff coeff. = 0.9
Tc by User = 10.00 min
Asc/Rec limb fact = 1/1

Hydrograph Volume = 215 cuft



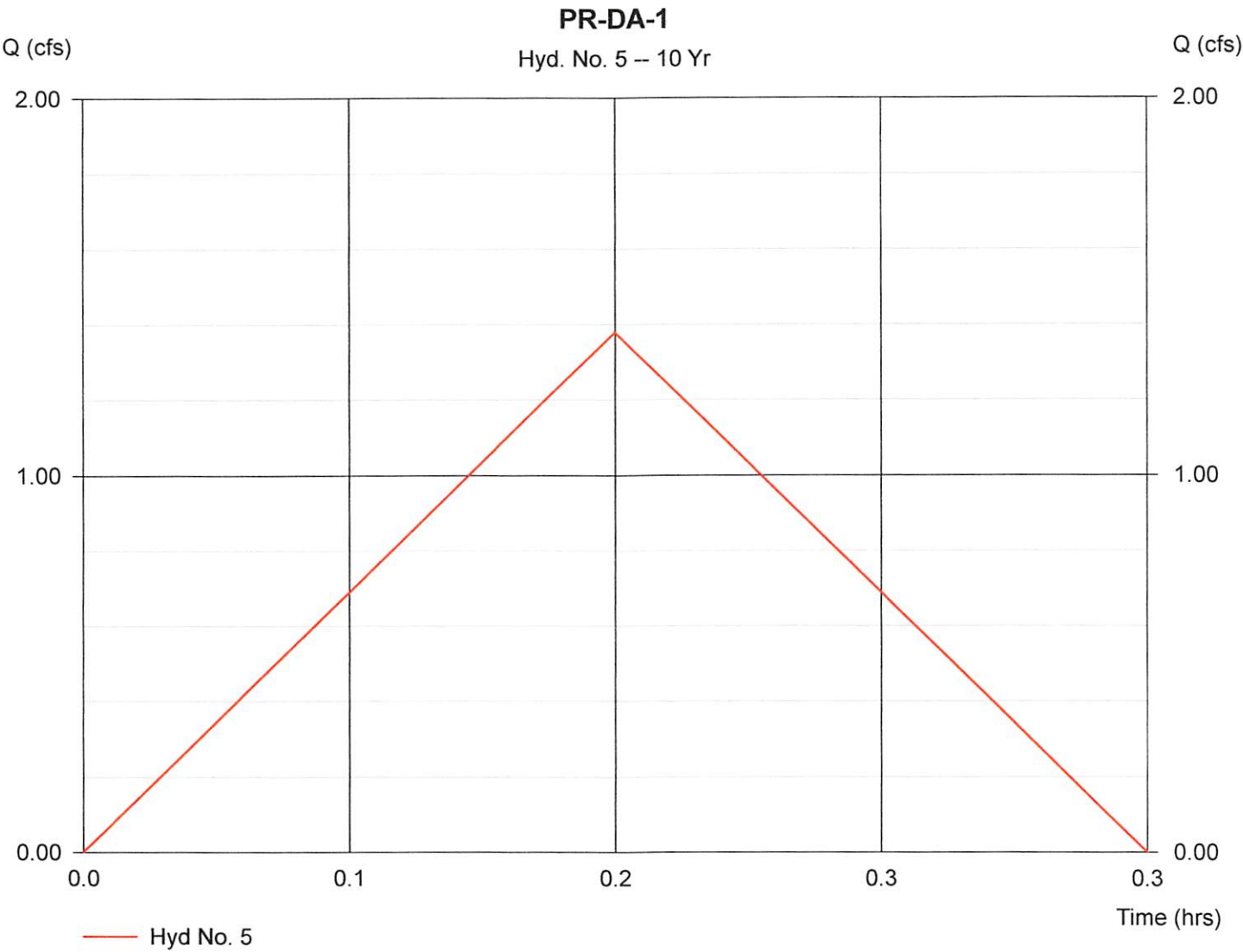
Hydrograph Plot

Hyd. No. 5

PR-DA-1

Hydrograph type	= Rational	Peak discharge	= 1.38 cfs
Storm frequency	= 10 yrs	Time interval	= 1 min
Drainage area	= 0.530 ac	Runoff coeff.	= 0.47
Intensity	= 5.535 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 827 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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Hyd. No. 6

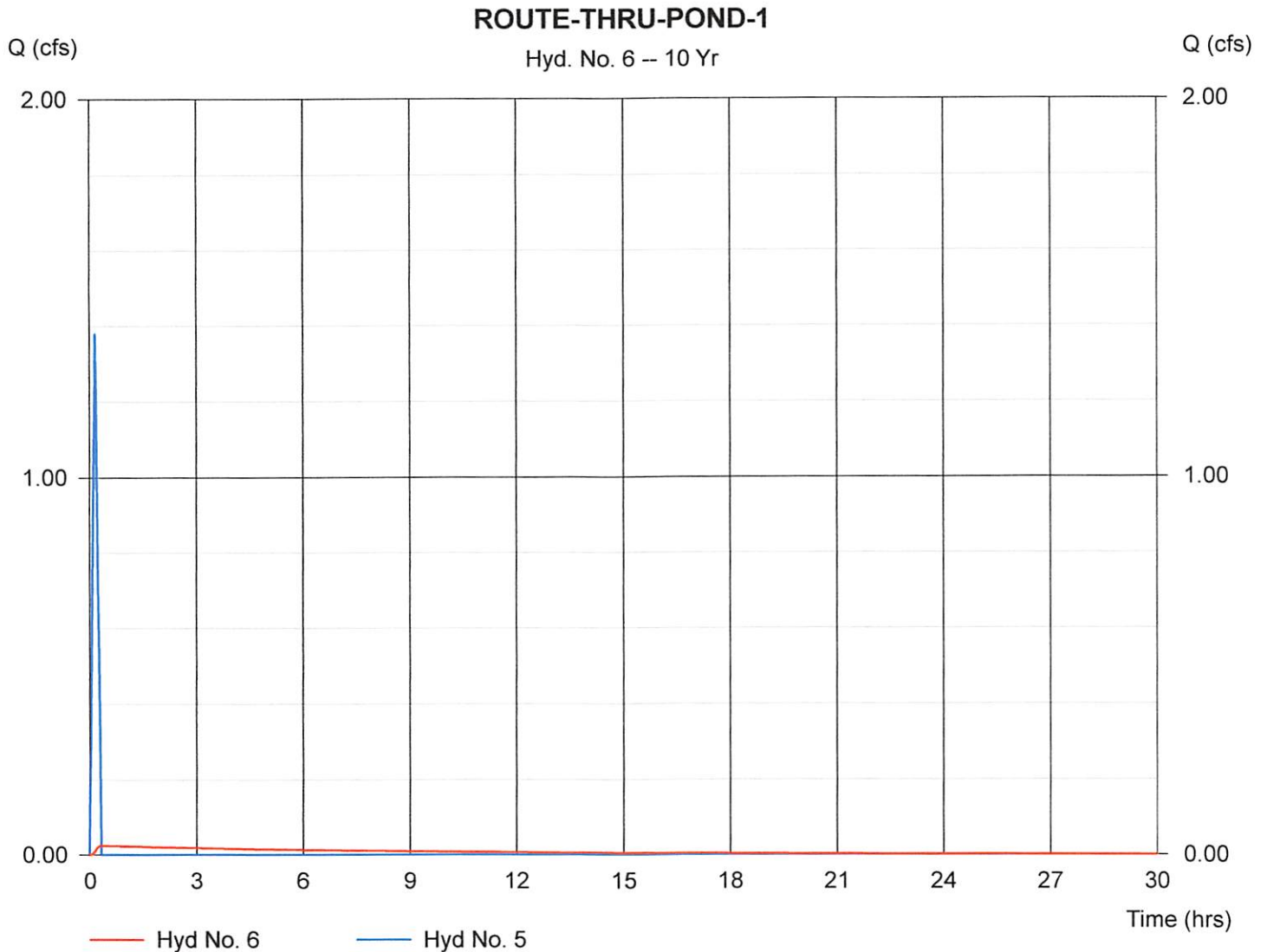
ROUTE-THRU-POND-1

Hydrograph type = Reservoir
 Storm frequency = 10 yrs
 Inflow hyd. No. = 5
 Reservoir name = POND-1

Peak discharge = 0.02 cfs
 Time interval = 1 min
 Max. Elevation = 276.59 ft
 Max. Storage = 812 cuft

Storage Indication method used.

Hydrograph Volume = 795 cuft



Pond Report

Hydraflow Hydrographs by Intelisolve

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Pond No. 1 - POND-1

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	276.00	931	0	0
2.00	278.00	1,813	2,744	2,744

Culvert / Orifice Structures

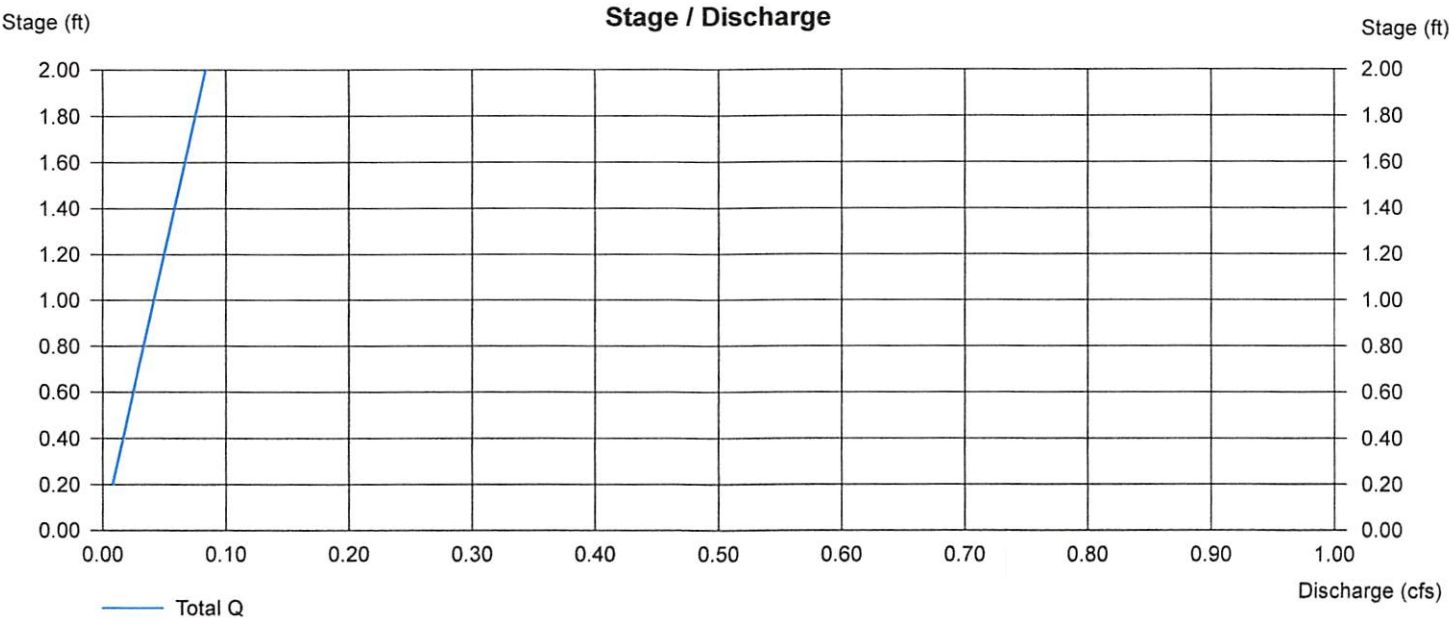
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 0.00	0.00	0.00	0.00
Crest El. (ft)	= 0.00	0.00	0.00	0.00
Weir Coeff.	= 0.00	0.00	0.00	0.00
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



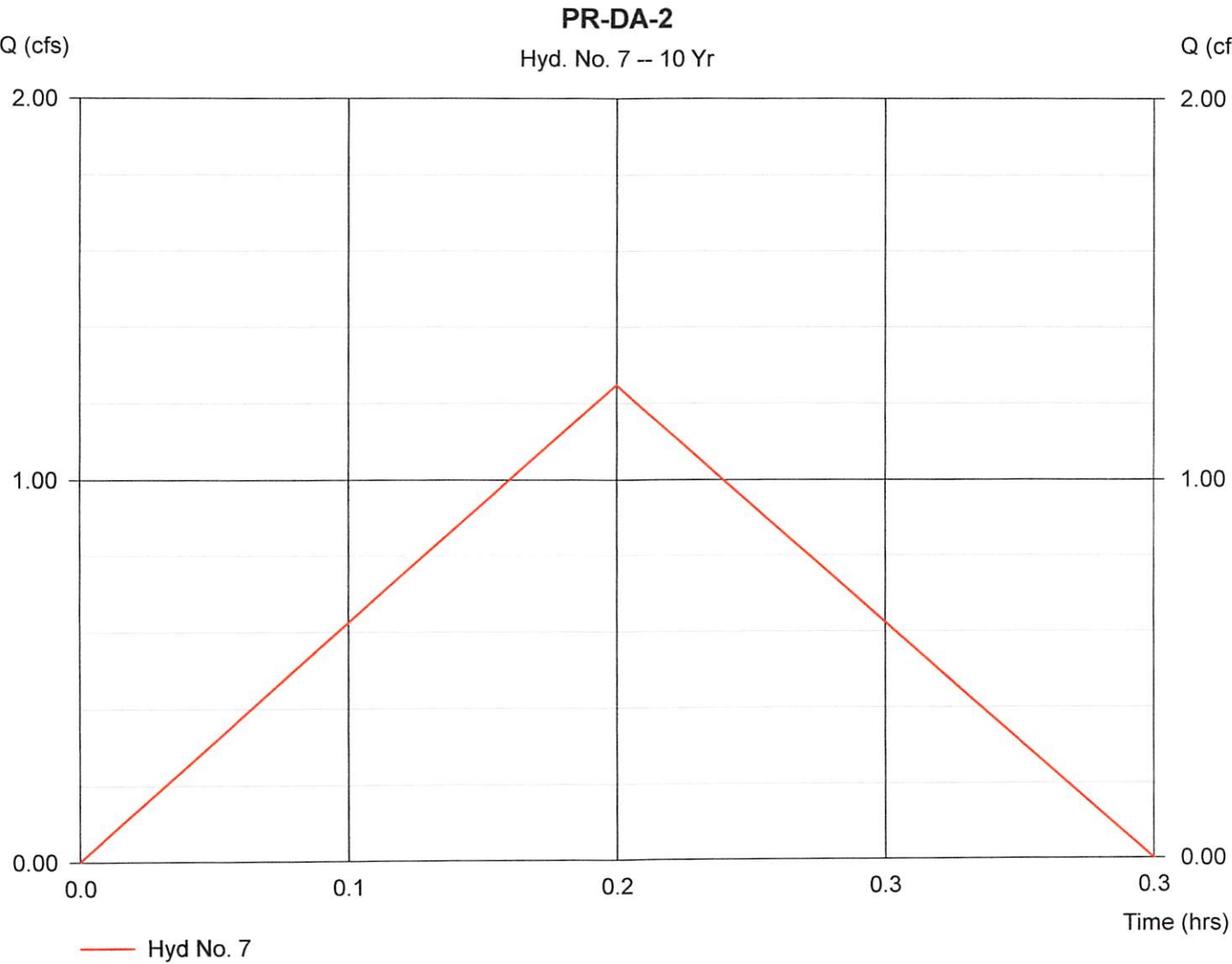
Hydrograph Plot

Hyd. No. 7

PR-DA-2

Hydrograph type	= Rational	Peak discharge	= 1.25 cfs
Storm frequency	= 10 yrs	Time interval	= 1 min
Drainage area	= 0.550 ac	Runoff coeff.	= 0.41
Intensity	= 5.535 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 749 cuft



Hydrograph Plot

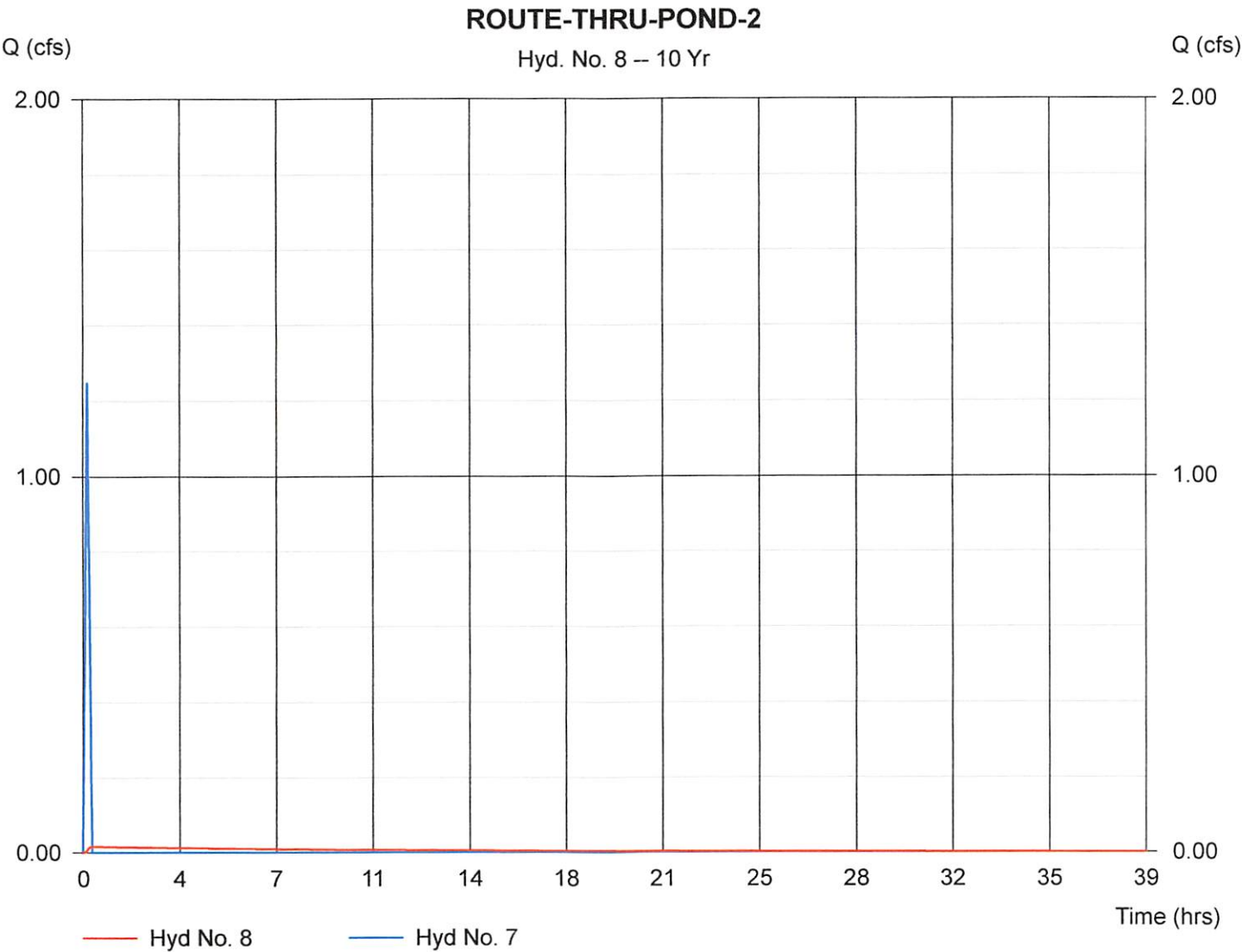
Hyd. No. 8

ROUTE-THRU-POND-2

Hydrograph type	= Reservoir	Peak discharge	= 0.02 cfs
Storm frequency	= 10 yrs	Time interval	= 1 min
Inflow hyd. No.	= 7	Max. Elevation	= 266.82 ft
Reservoir name	= POND-2	Max. Storage	= 739 cuft

Storage Indication method used.

Hydrograph Volume = 704 cuft



Pond Report

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Hydraflow Hydrographs by Intelisolve

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Pond No. 2 - POND-2

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	266.00	931	0	0
2.00	268.00	882	1,813	1,813

Culvert / Orifice Structures

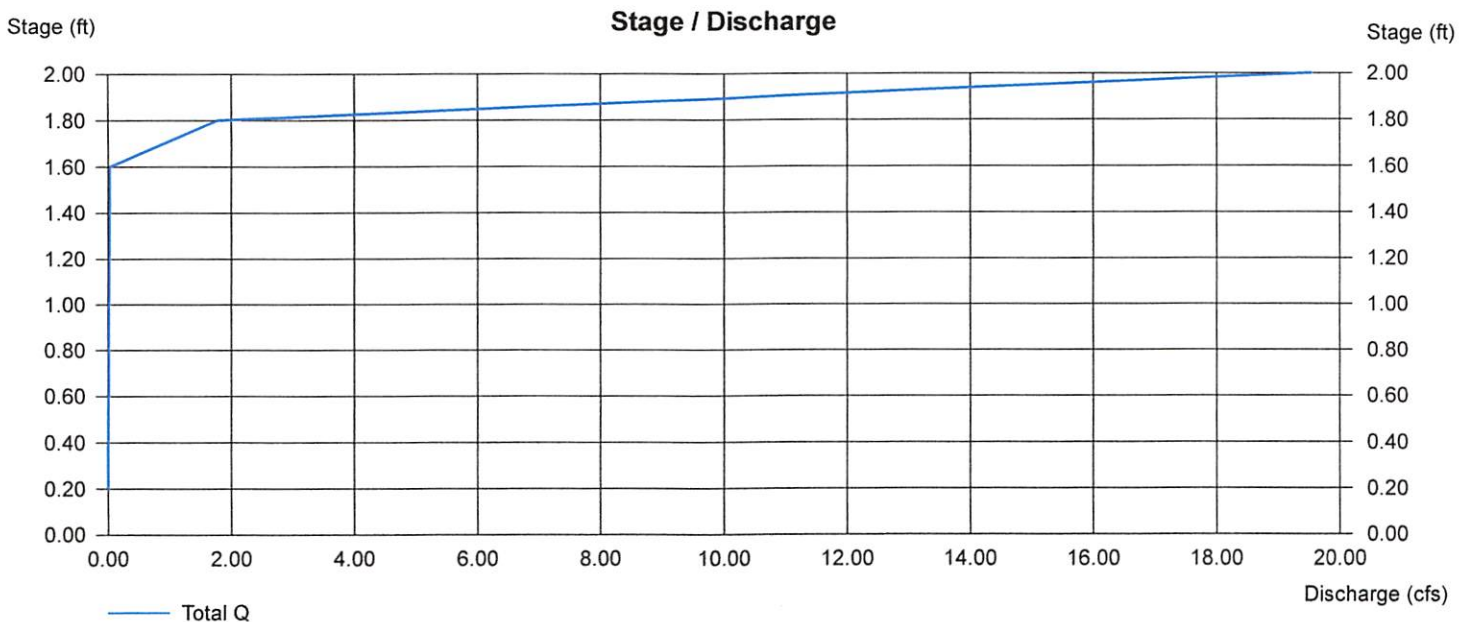
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 60.00	0.00	0.00	0.00
Crest El. (ft)	= 267.75	0.00	0.00	0.00
Weir Coeff.	= 2.60	0.00	0.00	0.00
Weir Type	= Broad	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



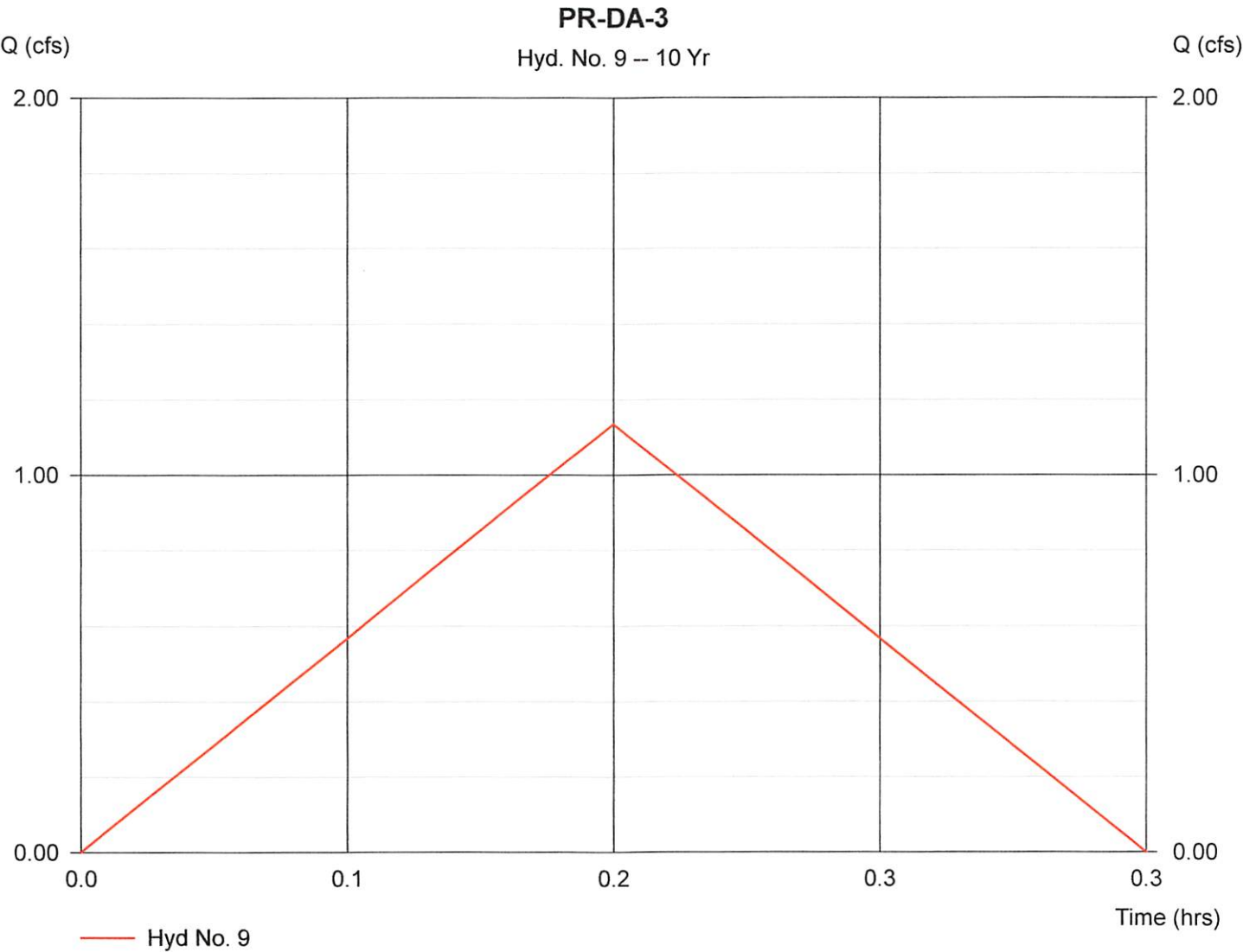
Hydrograph Plot

Hyd. No. 9

PR-DA-3

Hydrograph type	= Rational	Peak discharge	= 1.14 cfs
Storm frequency	= 10 yrs	Time interval	= 1 min
Drainage area	= 0.360 ac	Runoff coeff.	= 0.57
Intensity	= 5.535 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 681 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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Hyd. No. 10

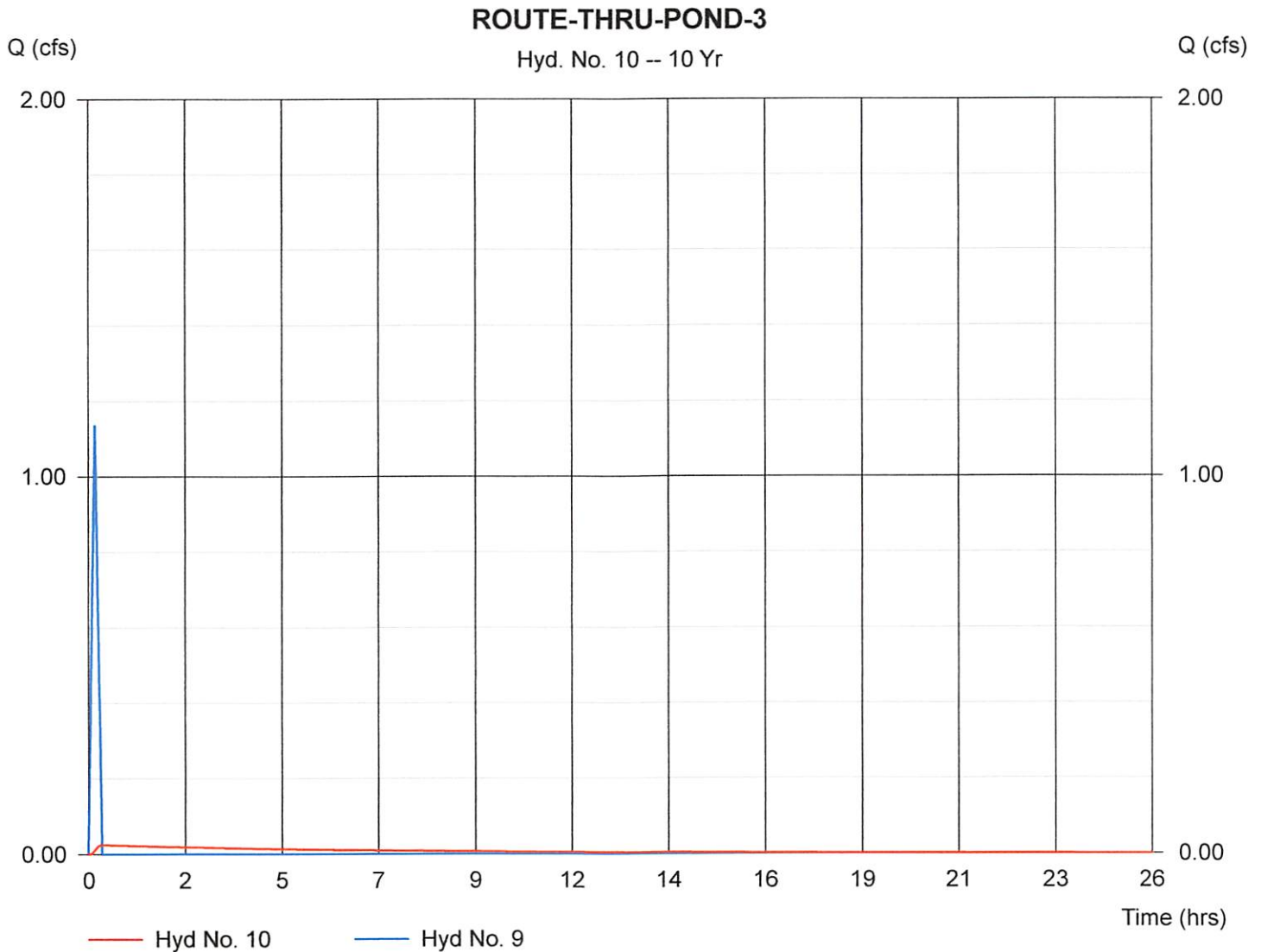
ROUTE-THRU-POND-3

Hydrograph type = Reservoir
 Storm frequency = 10 yrs
 Inflow hyd. No. = 9
 Reservoir name = POND-3

Peak discharge = 0.03 cfs
 Time interval = 1 min
 Max. Elevation = 255.40 ft
 Max. Storage = 666 cuft

Storage Indication method used.

Hydrograph Volume = 655 cuft



Pond Report

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Hydraflow Hydrographs by Intelisolve

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Pond No. 3 - POND-3

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	254.00	162	0	0
2.00	256.00	789	951	951

Culvert / Orifice Structures

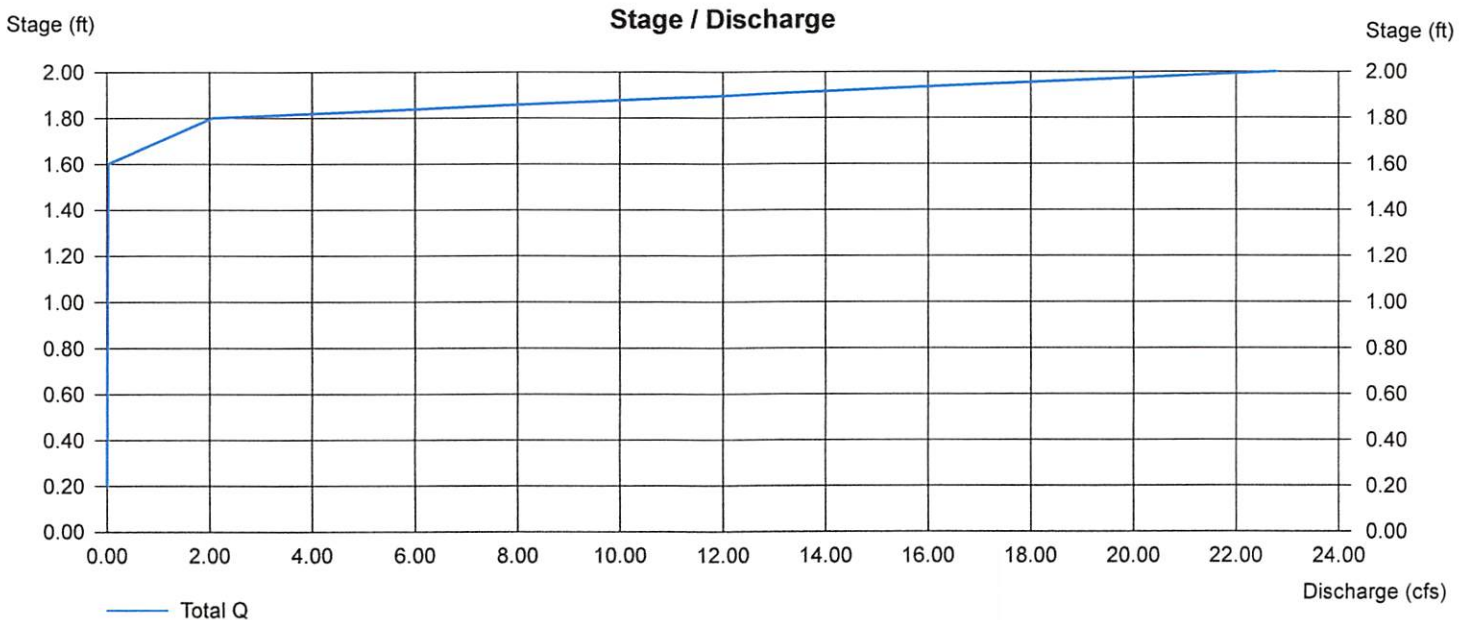
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 70.00	0.00	0.00	0.00
Crest El. (ft)	= 255.75	0.00	0.00	0.00
Weir Coeff.	= 2.60	0.00	0.00	0.00
Weir Type	= Broad	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



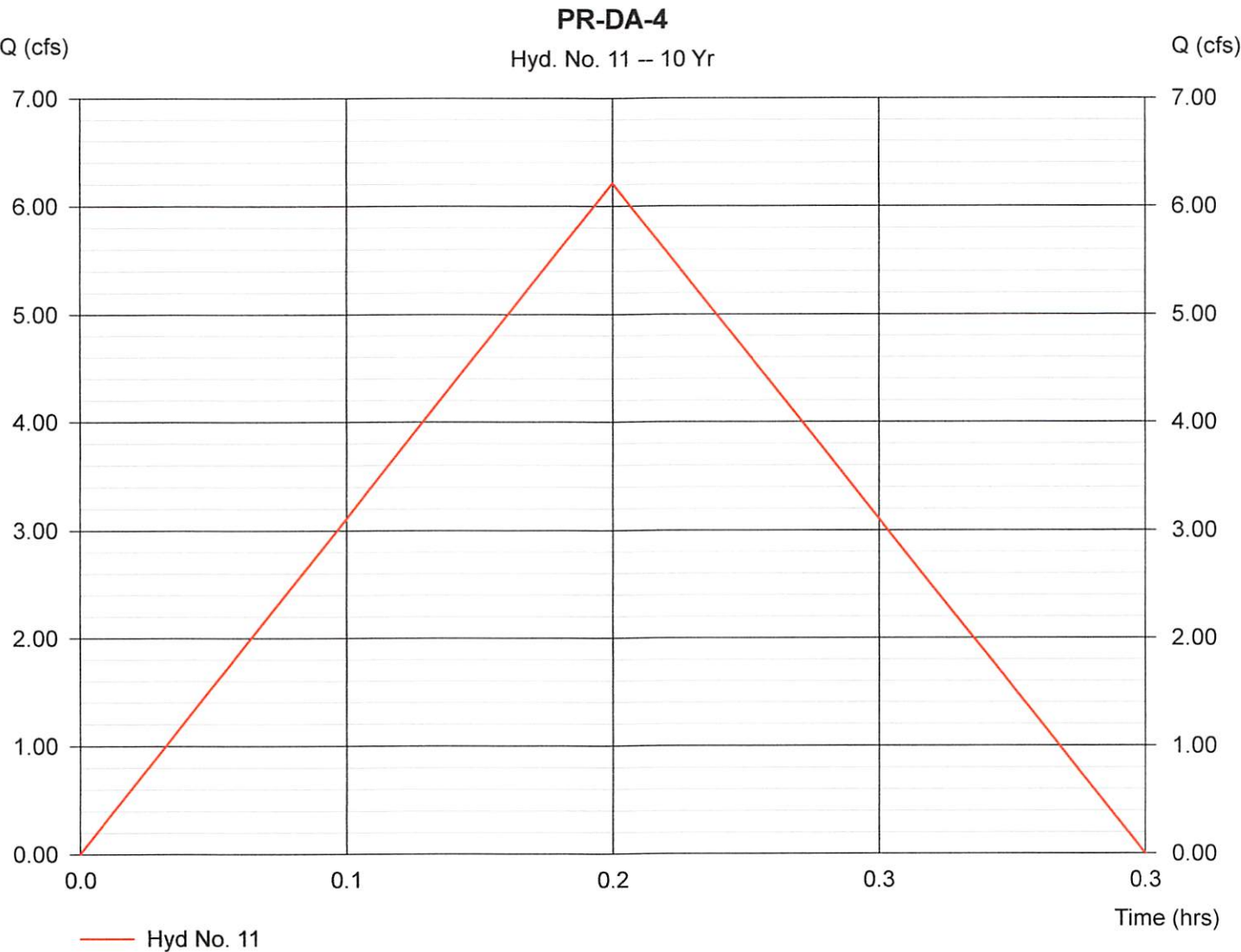
Hydrograph Plot

Hyd. No. 11

PR-DA-4

Hydrograph type	= Rational	Peak discharge	= 6.21 cfs
Storm frequency	= 10 yrs	Time interval	= 1 min
Drainage area	= 2.610 ac	Runoff coeff.	= 0.43
Intensity	= 5.535 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 3,727 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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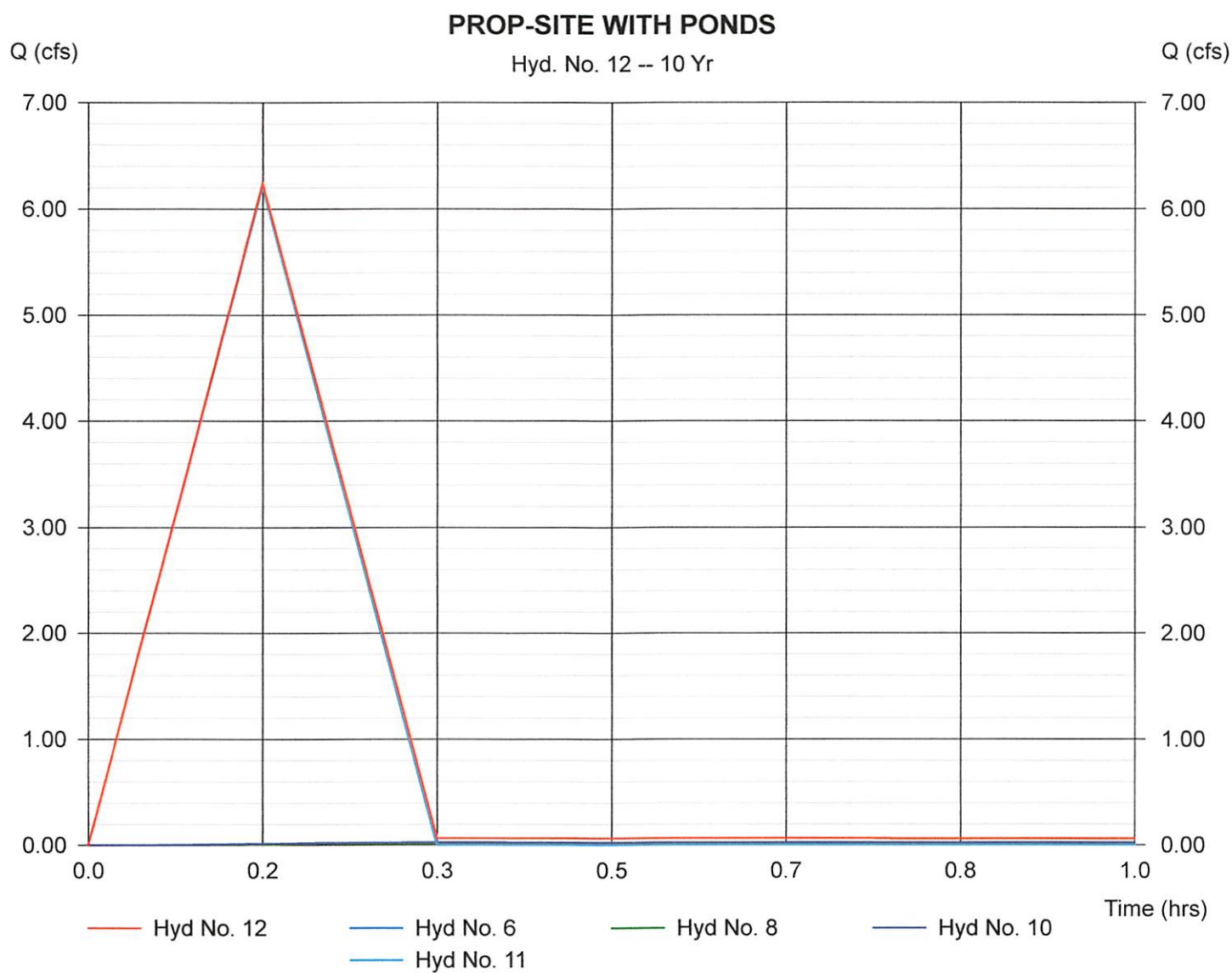
Hyd. No. 12

PROP-SITE WITH PONDS

Hydrograph type = Combine
Storm frequency = 10 yrs
Inflow hyds. = 6, 8, 10, 11

Peak discharge = 6.25 cfs
Time interval = 1 min

Hydrograph Volume = 5,882 cuft



Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	Rational	11.00	1	10	6,599	—	—	—	Existing Site
2	Rational	11.80	1	10	7,082	—	—	—	Prop. Site
3	Rational	0.44	1	10	265	—	—	—	upper-bldg
4	Rational	0.43	1	10	258	—	—	—	lower bldg
5	Rational	1.65	1	10	990	—	—	—	PR-DA-1
6	Reservoir	0.03	1	20	957	5	276.71	972	ROUTE-THRU-POND-1
7	Rational	1.49	1	10	896	—	—	—	PR-DA-2
8	Reservoir	0.02	1	20	852	7	266.98	884	ROUTE-THRU-POND-2
9	Rational	1.36	1	10	816	—	—	—	PR-DA-3
10	Reservoir	0.29	1	18	790	9	255.63	773	ROUTE-THRU-POND-3
11	Rational	7.43	1	10	4,460	—	—	—	PR-DA-4
12	Combine	7.47	1	10	7,059	6, 8, 10, 11	—	—	PROP-SITE WITH PONDS
1127.gpw					Return Period: 25 Year			Wednesday, Aug 26 2026, 7:51 PM	

Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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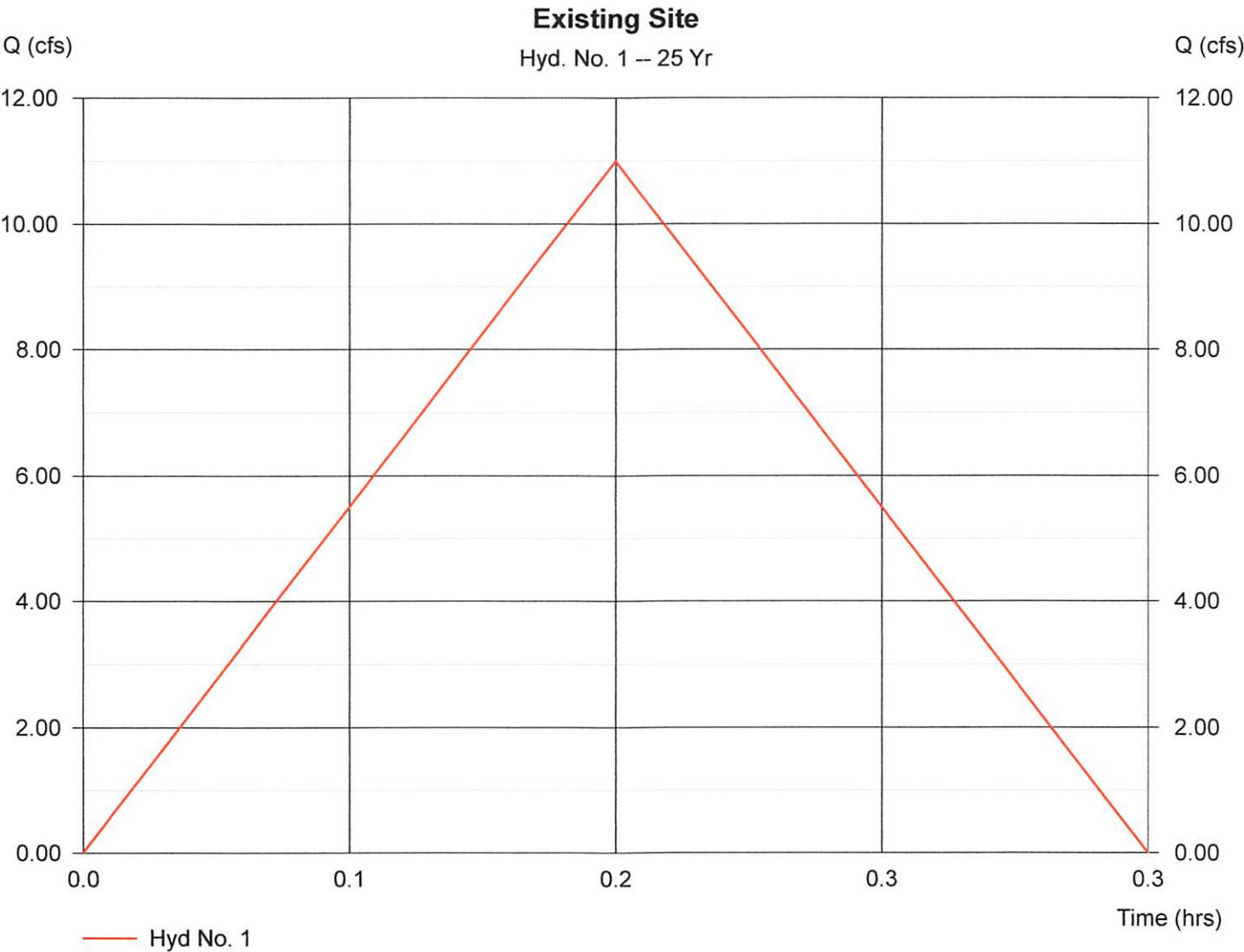
Hyd. No. 1

Existing Site

Hydrograph type = Rational
 Storm frequency = 25 yrs
 Drainage area = 4.050 ac
 Intensity = 6.624 in/hr
 IDF Curve = noaa-ct.IDF

Peak discharge = 11.00 cfs
 Time interval = 1 min
 Runoff coeff. = 0.41
 Tc by User = 10.00 min
 Asc/Rec limb fact = 1/1

Hydrograph Volume = 6,599 cuft



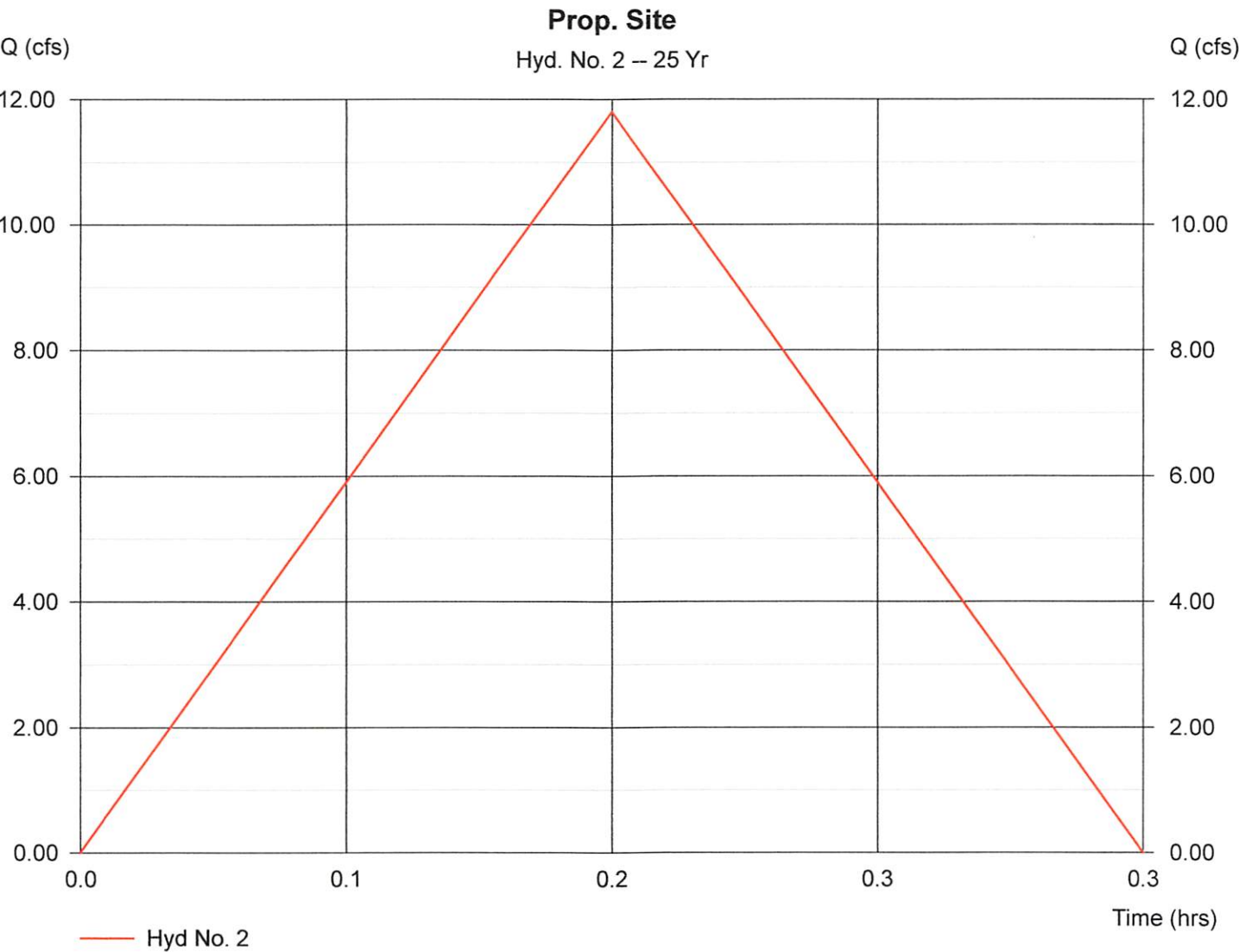
Hydrograph Plot

Hyd. No. 2

Prop. Site

Hydrograph type	= Rational	Peak discharge	= 11.80 cfs
Storm frequency	= 25 yrs	Time interval	= 1 min
Drainage area	= 4.050 ac	Runoff coeff.	= 0.44
Intensity	= 6.624 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 7,082 cuft



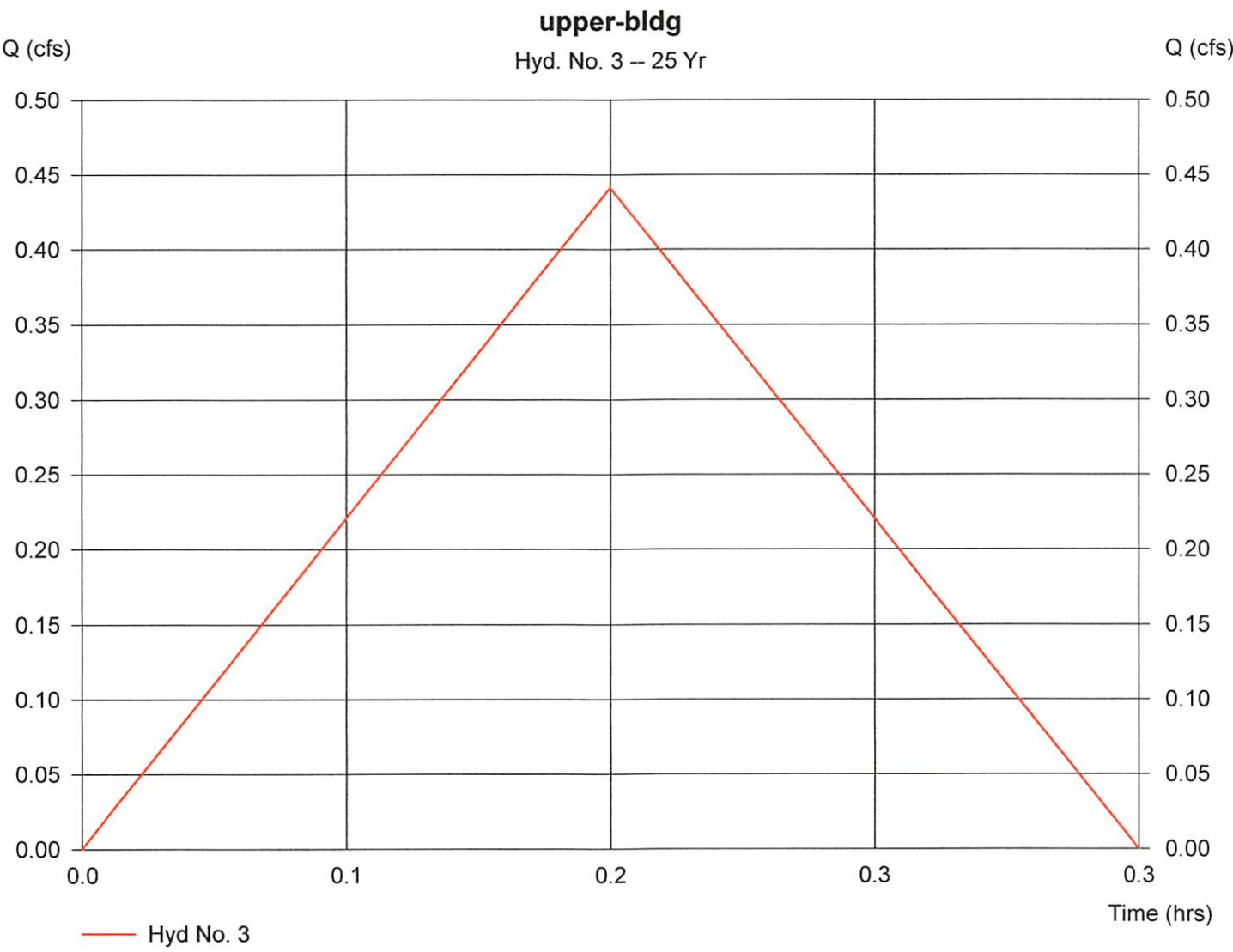
Hydrograph Plot

Hyd. No. 3

upper-bldg

Hydrograph type	= Rational	Peak discharge	= 0.44 cfs
Storm frequency	= 25 yrs	Time interval	= 1 min
Drainage area	= 0.074 ac	Runoff coeff.	= 0.9
Intensity	= 6.624 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 265 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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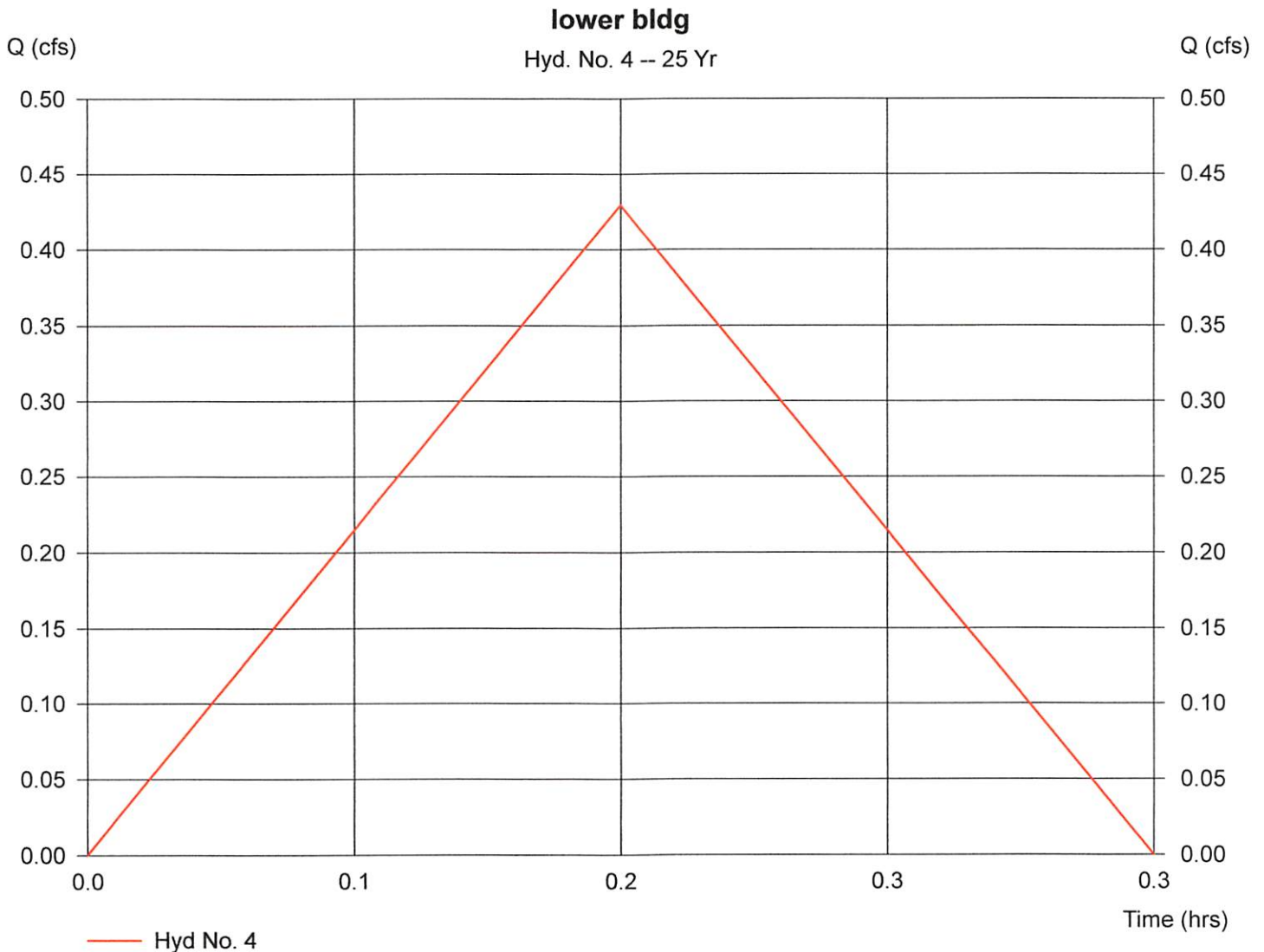
Hyd. No. 4

lower bldg

Hydrograph type = Rational
Storm frequency = 25 yrs
Drainage area = 0.072 ac
Intensity = 6.624 in/hr
IDF Curve = noaa-ct.IDF

Peak discharge = 0.43 cfs
Time interval = 1 min
Runoff coeff. = 0.9
Tc by User = 10.00 min
Asc/Rec limb fact = 1/1

Hydrograph Volume = 258 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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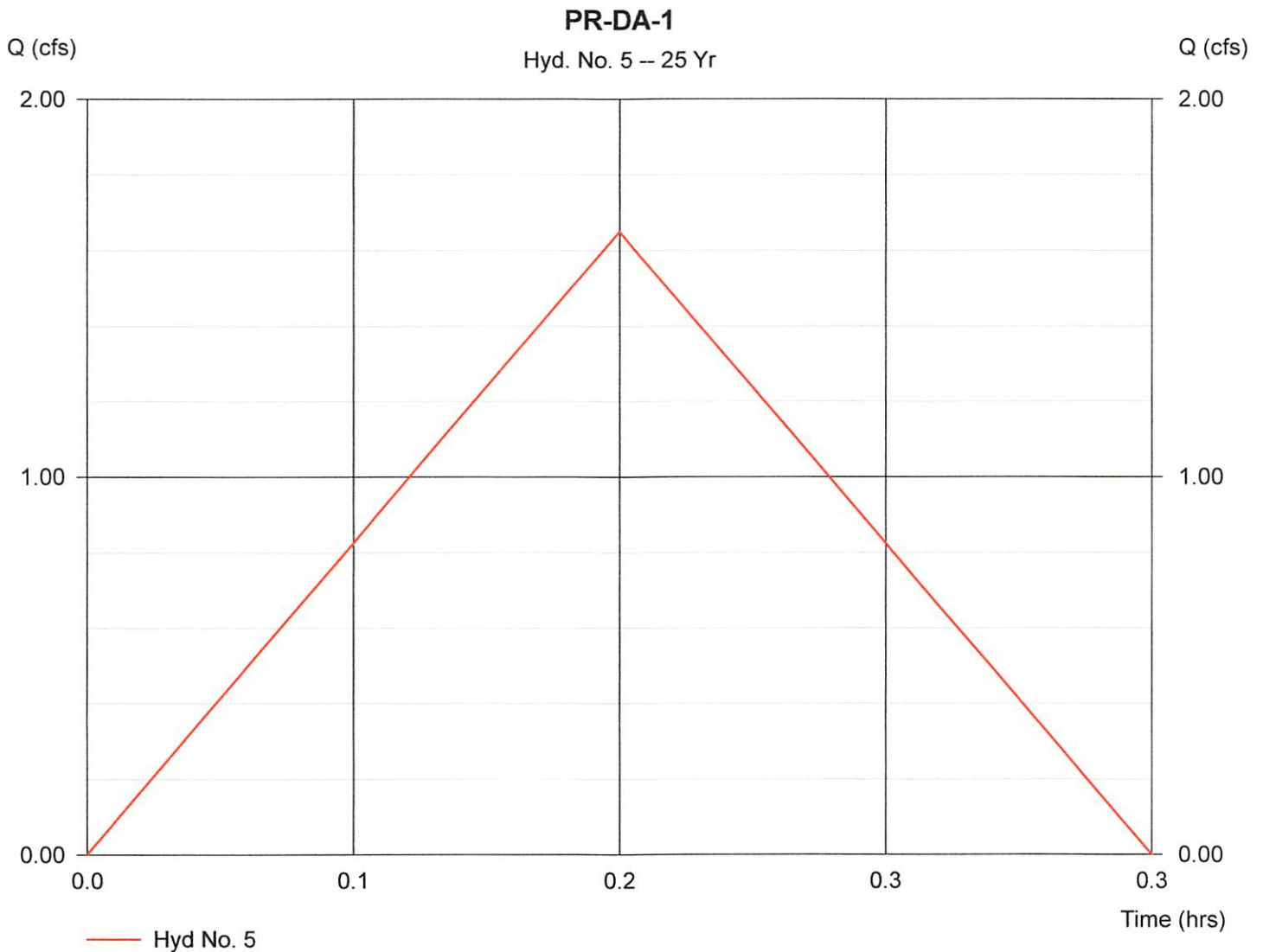
Hyd. No. 5

PR-DA-1

Hydrograph type = Rational
 Storm frequency = 25 yrs
 Drainage area = 0.530 ac
 Intensity = 6.624 in/hr
 IDF Curve = noaa-ct.IDF

Peak discharge = 1.65 cfs
 Time interval = 1 min
 Runoff coeff. = 0.47
 Tc by User = 10.00 min
 Asc/Rec limb fact = 1/1

Hydrograph Volume = 990 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

Wednesday, Aug 26 2026, 7:51 PM

Hyd. No. 6

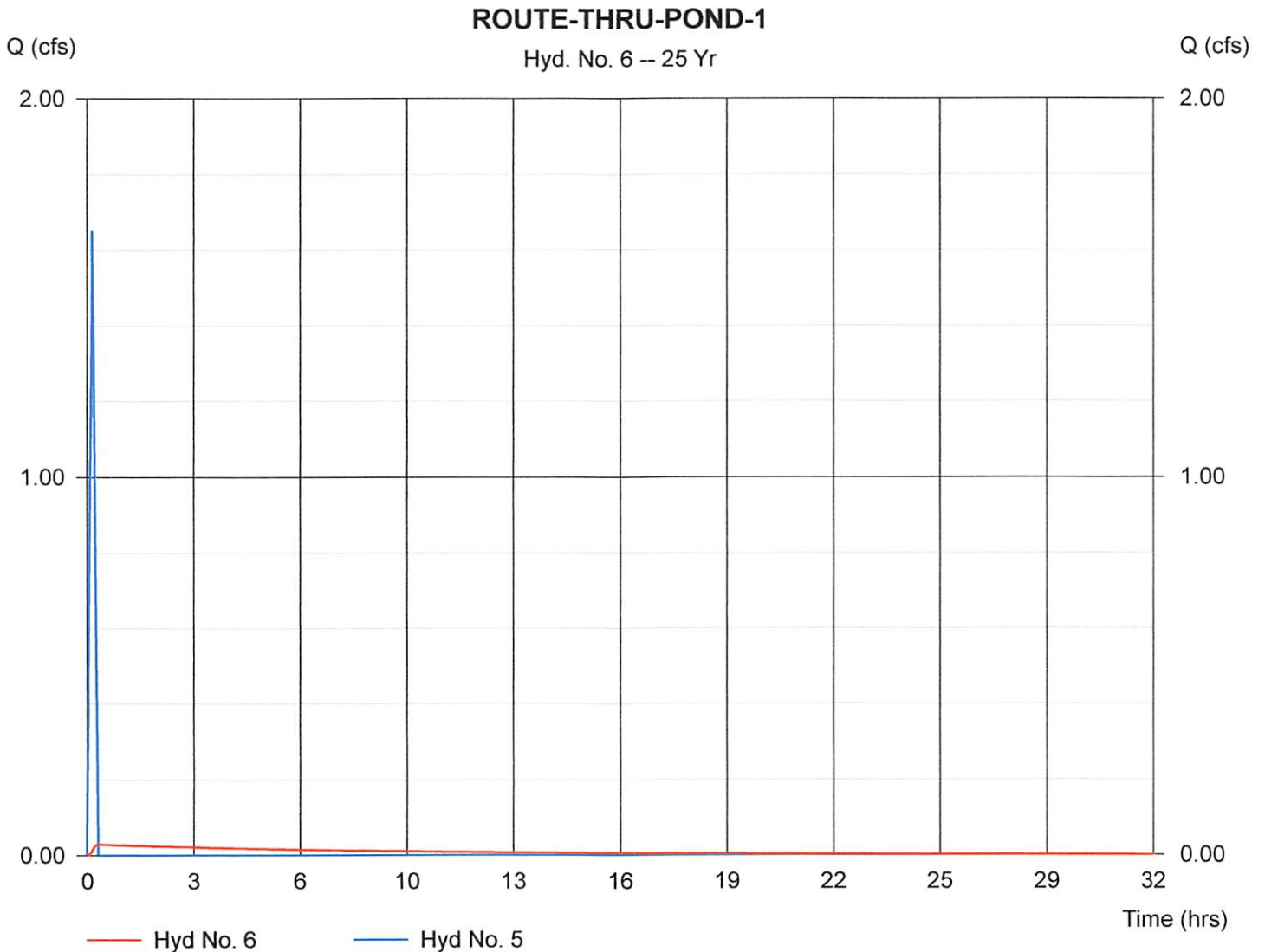
ROUTE-THRU-POND-1

Hydrograph type = Reservoir
 Storm frequency = 25 yrs
 Inflow hyd. No. = 5
 Reservoir name = POND-1

Peak discharge = 0.03 cfs
 Time interval = 1 min
 Max. Elevation = 276.71 ft
 Max. Storage = 972 cuft

Storage Indication method used.

Hydrograph Volume = 957 cuft



Pond Report

Hydraflow Hydrographs by Intelisolve

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Pond No. 1 - POND-1**Pond Data**

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	276.00	931	0	0
2.00	278.00	1,813	2,744	2,744

Culvert / Orifice Structures

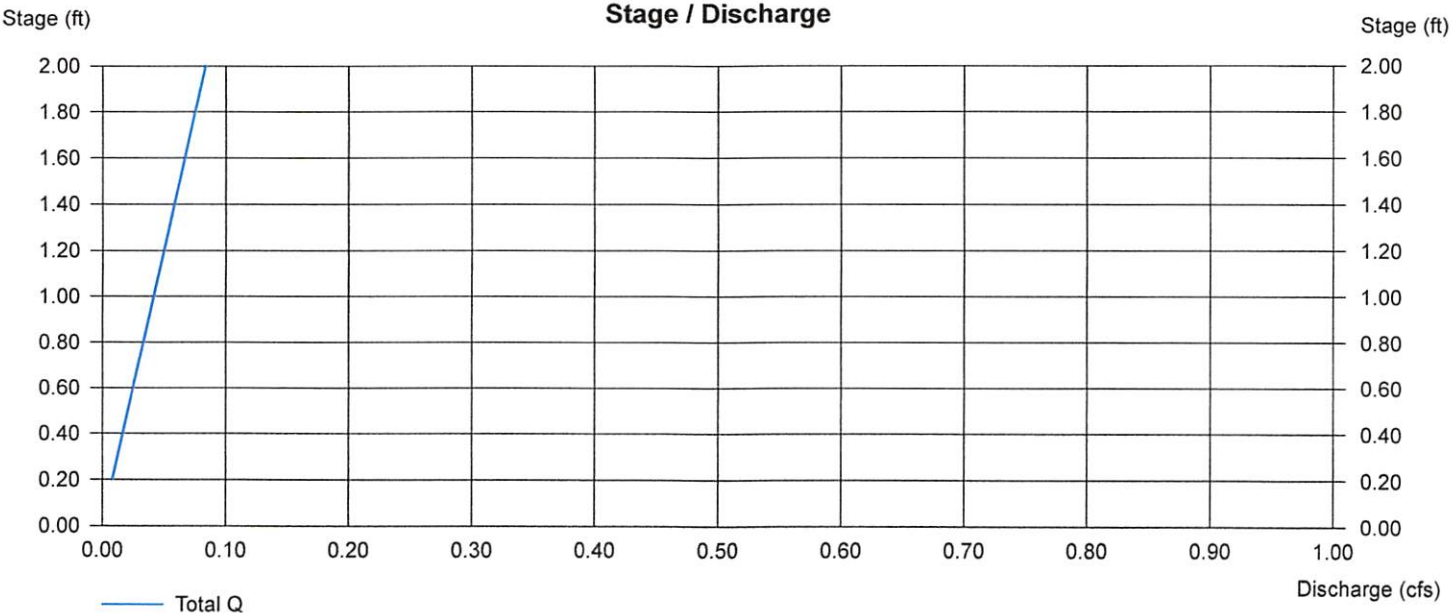
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 0.00	0.00	0.00	0.00
Crest El. (ft)	= 0.00	0.00	0.00	0.00
Weir Coeff.	= 0.00	0.00	0.00	0.00
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

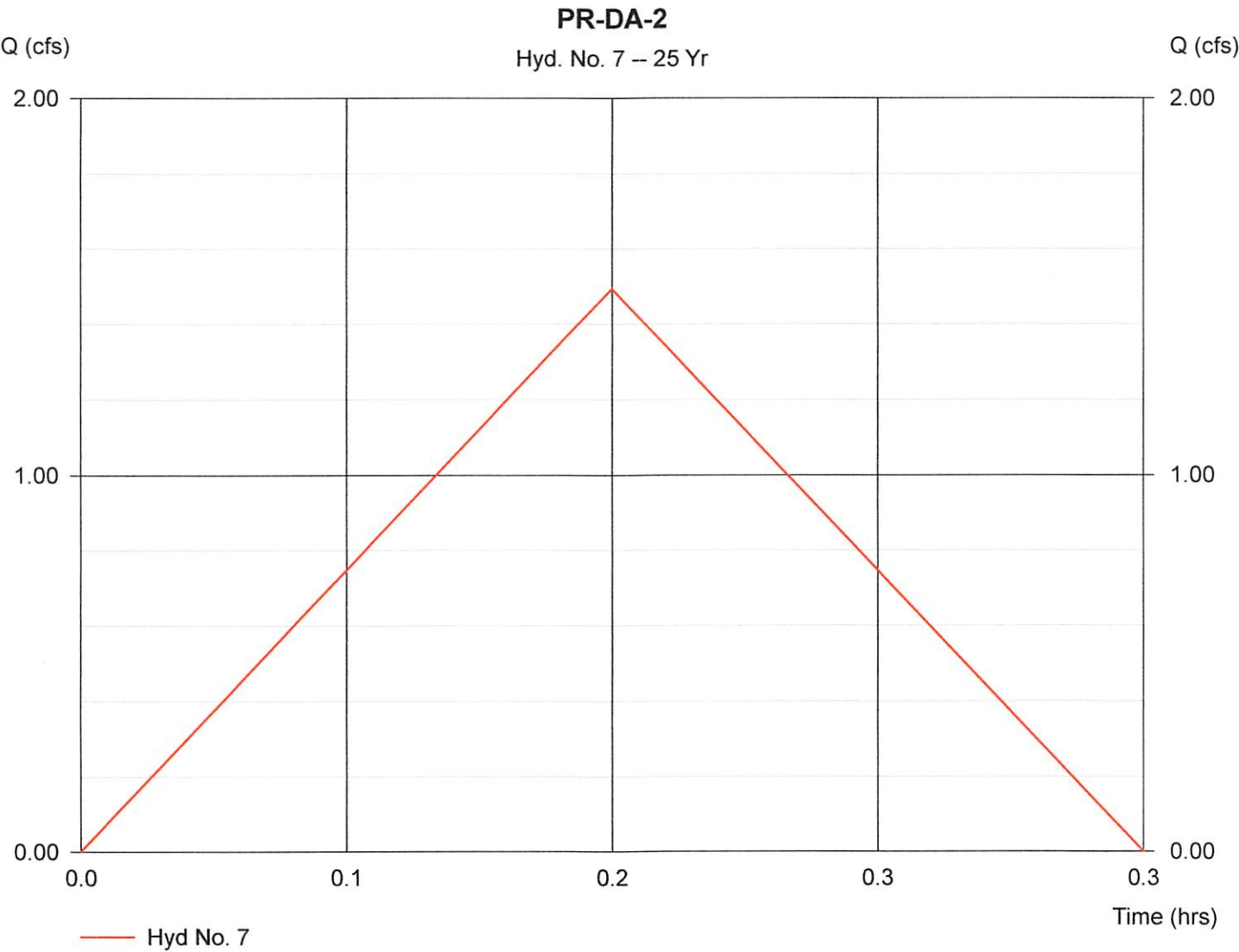
Wednesday, Aug 26 2026, 7:51 PM

Hyd. No. 7

PR-DA-2

Hydrograph type	= Rational	Peak discharge	= 1.49 cfs
Storm frequency	= 25 yrs	Time interval	= 1 min
Drainage area	= 0.550 ac	Runoff coeff.	= 0.41
Intensity	= 6.624 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 896 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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Hyd. No. 8

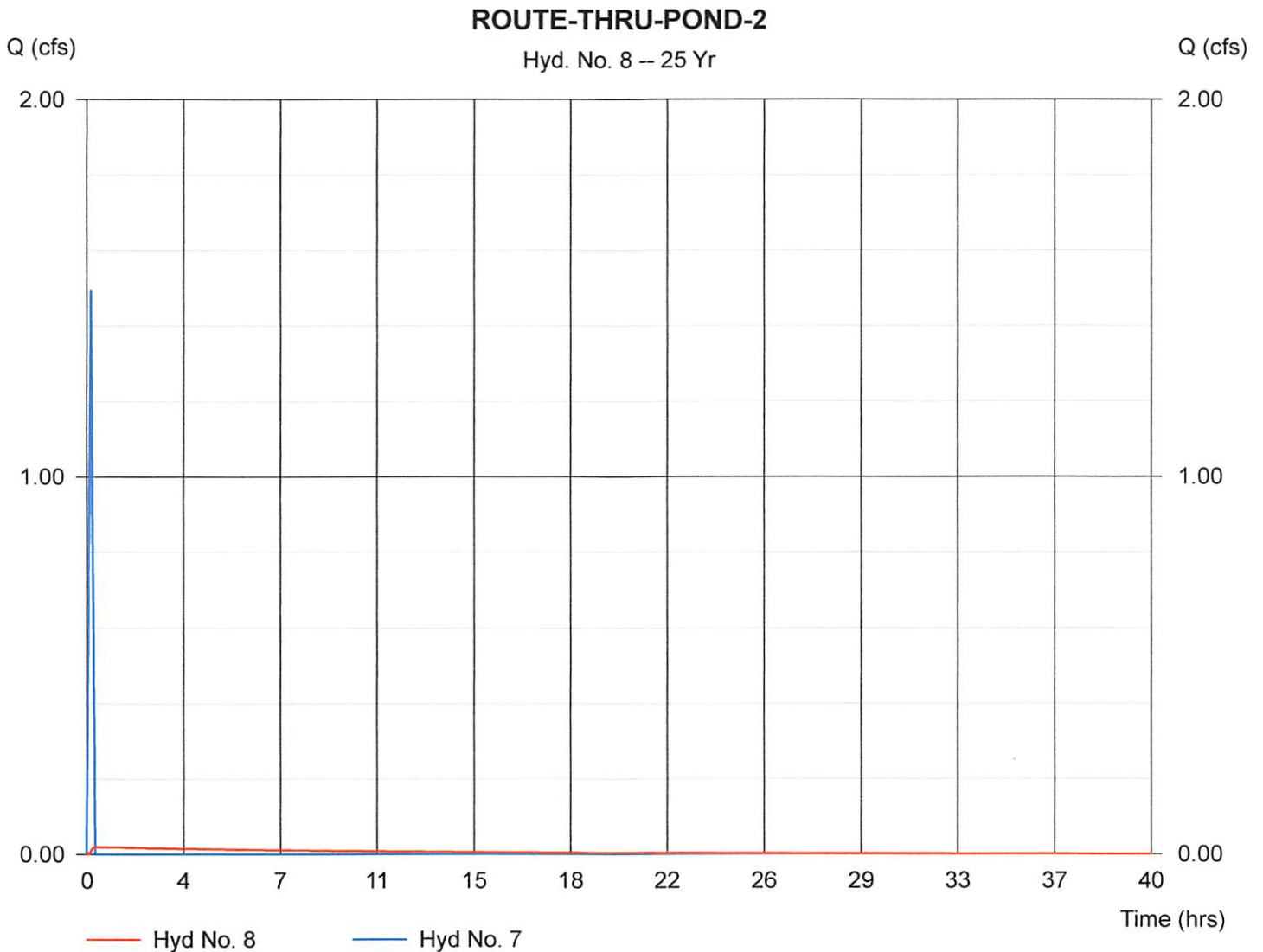
ROUTE-THRU-POND-2

Hydrograph type = Reservoir
 Storm frequency = 25 yrs
 Inflow hyd. No. = 7
 Reservoir name = POND-2

Peak discharge = 0.02 cfs
 Time interval = 1 min
 Max. Elevation = 266.98 ft
 Max. Storage = 884 cuft

Storage Indication method used.

Hydrograph Volume = 852 cuft



Pond Report

Hydraflow Hydrographs by Intelisolve

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Pond No. 2 - POND-2

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	266.00	931	0	0
2.00	268.00	882	1,813	1,813

Culvert / Orifice Structures

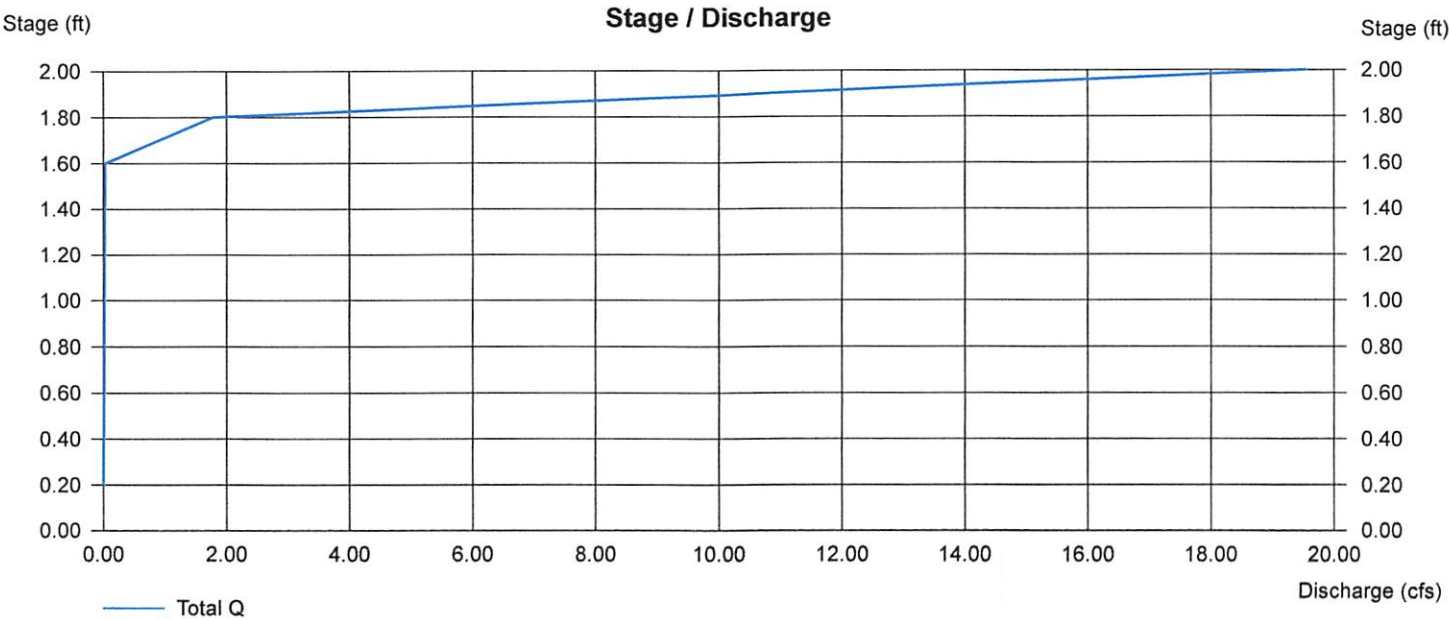
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 60.00	0.00	0.00	0.00
Crest El. (ft)	= 267.75	0.00	0.00	0.00
Weir Coeff.	= 2.60	0.00	0.00	0.00
Weir Type	= Broad	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



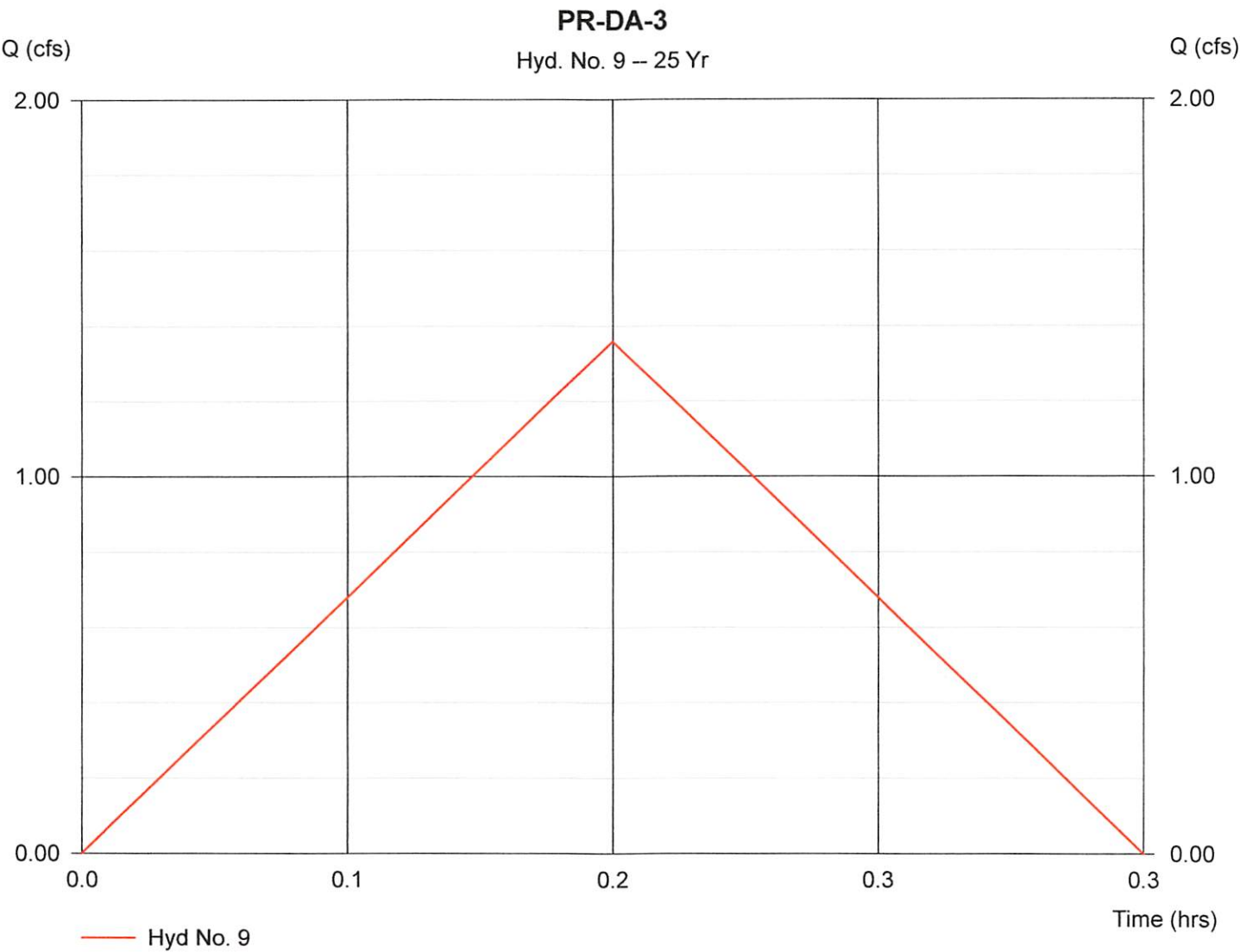
Hydrograph Plot

Hyd. No. 9

PR-DA-3

Hydrograph type	= Rational	Peak discharge	= 1.36 cfs
Storm frequency	= 25 yrs	Time interval	= 1 min
Drainage area	= 0.360 ac	Runoff coeff.	= 0.57
Intensity	= 6.624 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 816 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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Hyd. No. 10

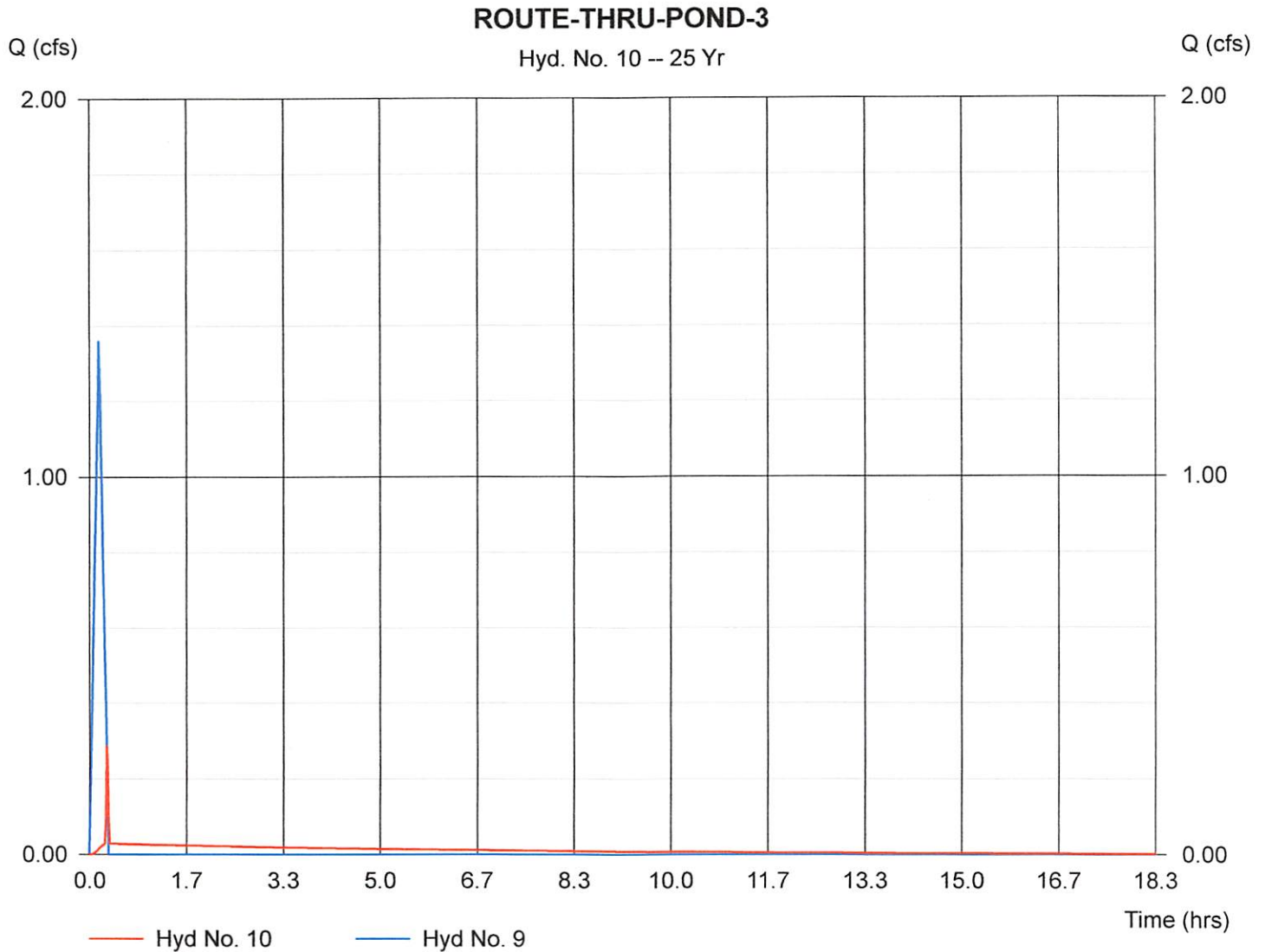
ROUTE-THRU-POND-3

Hydrograph type = Reservoir
 Storm frequency = 25 yrs
 Inflow hyd. No. = 9
 Reservoir name = POND-3

Peak discharge = 0.29 cfs
 Time interval = 1 min
 Max. Elevation = 255.63 ft
 Max. Storage = 773 cuft

Storage Indication method used.

Hydrograph Volume = 790 cuft



Pond Report

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Hydraflow Hydrographs by Intelisolve

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Pond No. 3 - POND-3

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	254.00	162	0	0
2.00	256.00	789	951	951

Culvert / Orifice Structures

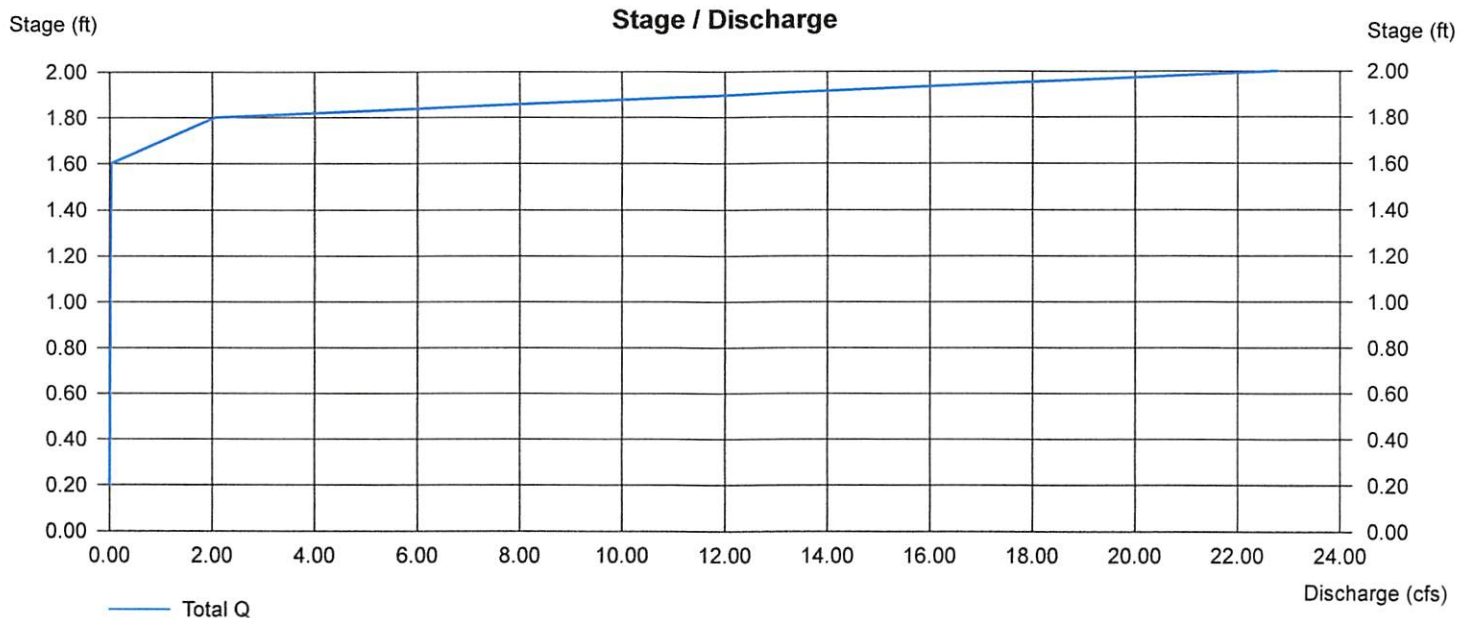
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 70.00	0.00	0.00	0.00
Crest El. (ft)	= 255.75	0.00	0.00	0.00
Weir Coeff.	= 2.60	0.00	0.00	0.00
Weir Type	= Broad	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



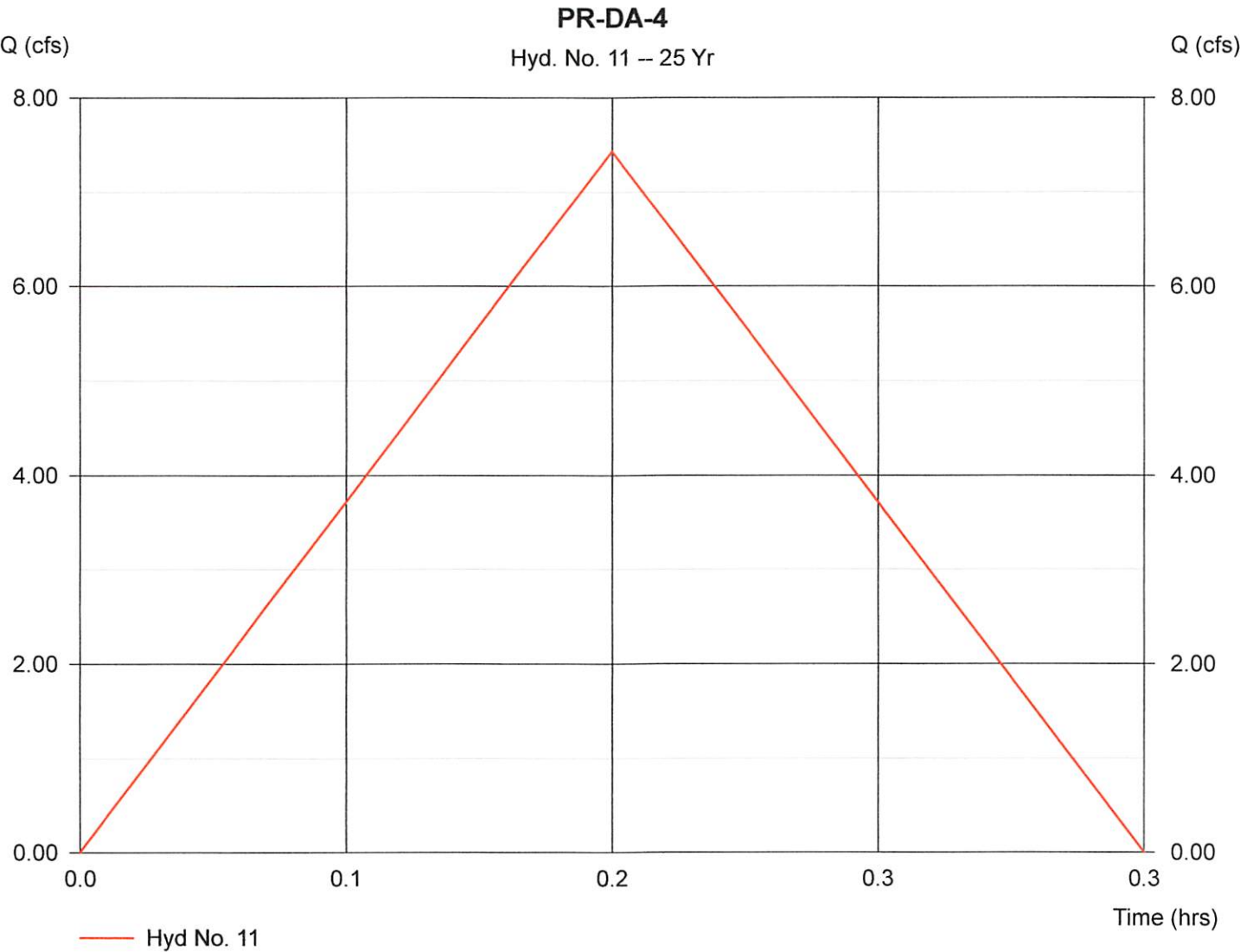
Hydrograph Plot

Hyd. No. 11

PR-DA-4

Hydrograph type	= Rational	Peak discharge	= 7.43 cfs
Storm frequency	= 25 yrs	Time interval	= 1 min
Drainage area	= 2.610 ac	Runoff coeff.	= 0.43
Intensity	= 6.624 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 4,460 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

Wednesday, Aug 26 2026, 7:51 PM

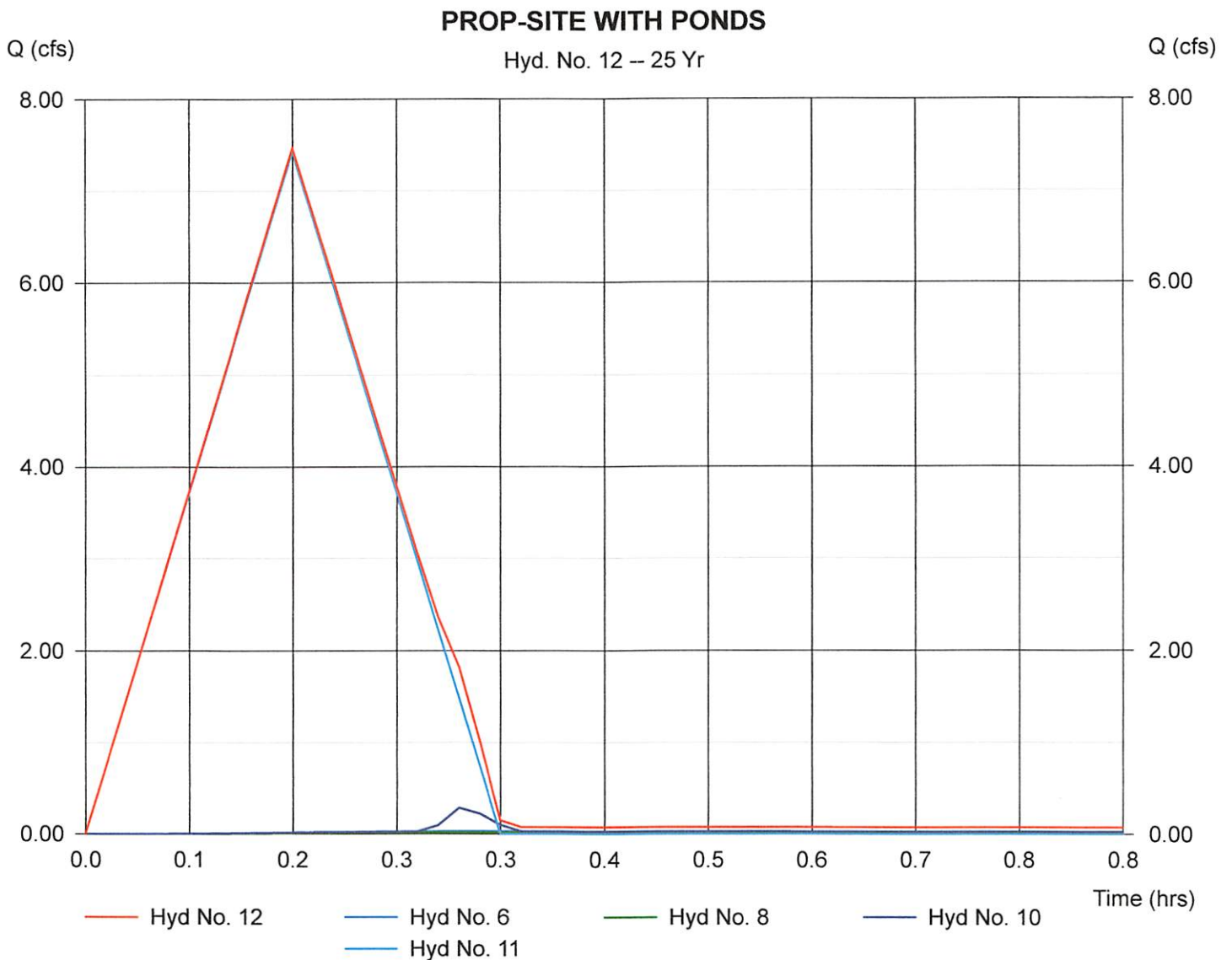
Hyd. No. 12

PROP-SITE WITH PONDS

Hydrograph type = Combine
Storm frequency = 25 yrs
Inflow hyds. = 6, 8, 10, 11

Peak discharge = 7.47 cfs
Time interval = 1 min

Hydrograph Volume = 7,059 cuft



Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	Rational	12.40	1	10	7,440	—	—	—	Existing Site
2	Rational	13.31	1	10	7,985	—	—	—	Prop. Site
3	Rational	0.50	1	10	298	—	—	—	upper-bldg
4	Rational	0.48	1	10	290	—	—	—	lower bldg
5	Rational	1.86	1	10	1,116	—	—	—	PR-DA-1
6	Reservoir	0.03	1	20	1,083	5	276.80	1,096	ROUTE-THRU-POND-1
7	Rational	1.68	1	10	1,010	—	—	—	PR-DA-2
8	Reservoir	0.02	1	20	966	7	267.10	997	ROUTE-THRU-POND-2
9	Rational	1.53	1	10	919	—	—	—	PR-DA-3
10	Reservoir	0.64	1	16	893	9	255.66	789	ROUTE-THRU-POND-3
11	Rational	8.38	1	10	5,029	—	—	—	PR-DA-4
12	Combine	8.43	1	10	7,972	6, 8, 10, 11	—	—	PROP-SITE WITH PONDS
1127.gpw					Return Period: 50 Year			Wednesday, Aug 26 2026, 7:51 PM	

Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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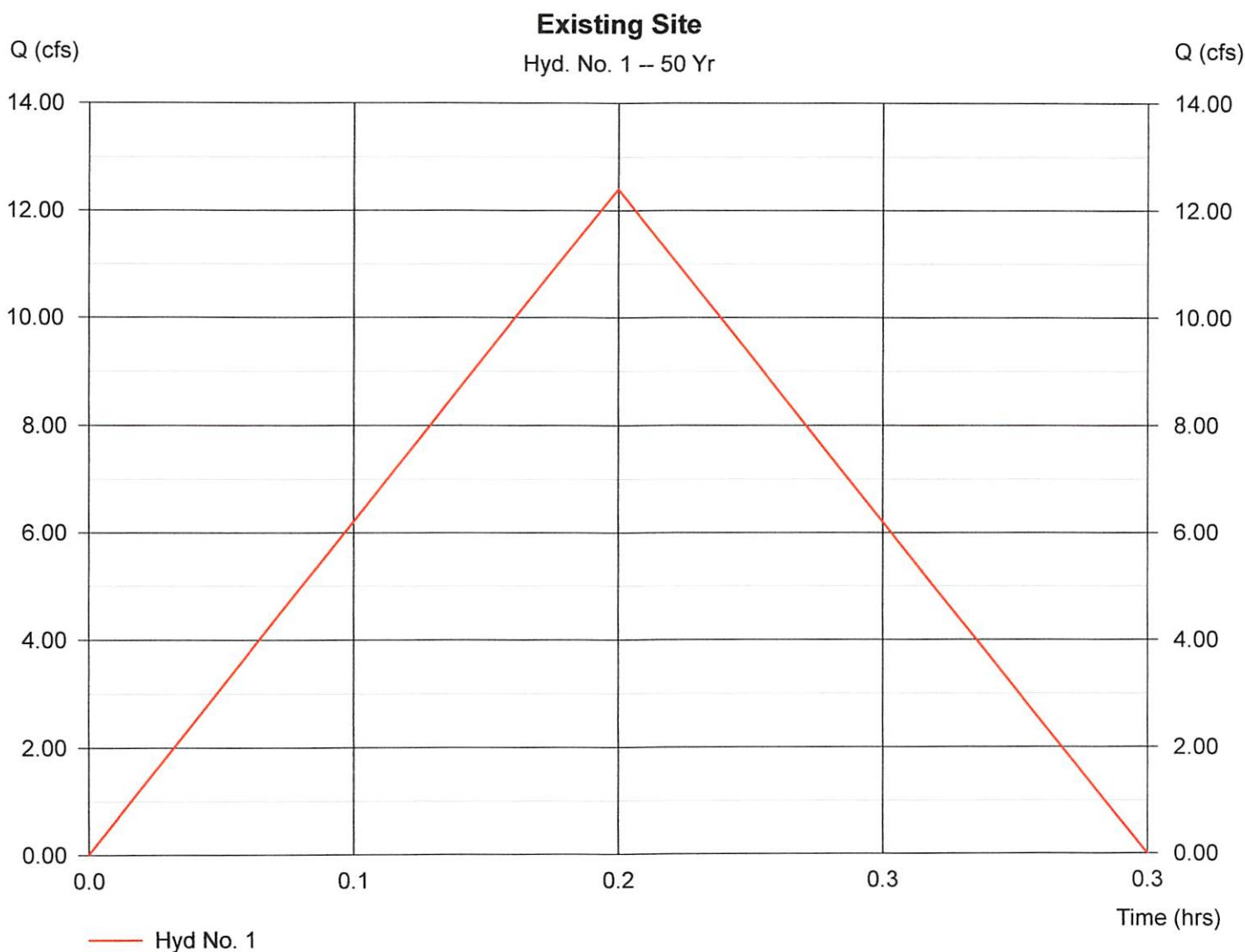
Hyd. No. 1

Existing Site

Hydrograph type = Rational
 Storm frequency = 50 yrs
 Drainage area = 4.050 ac
 Intensity = 7.468 in/hr
 IDF Curve = noaa-ct.IDF

Peak discharge = 12.40 cfs
 Time interval = 1 min
 Runoff coeff. = 0.41
 Tc by User = 10.00 min
 Asc/Rec limb fact = 1/1

Hydrograph Volume = 7,440 cuft



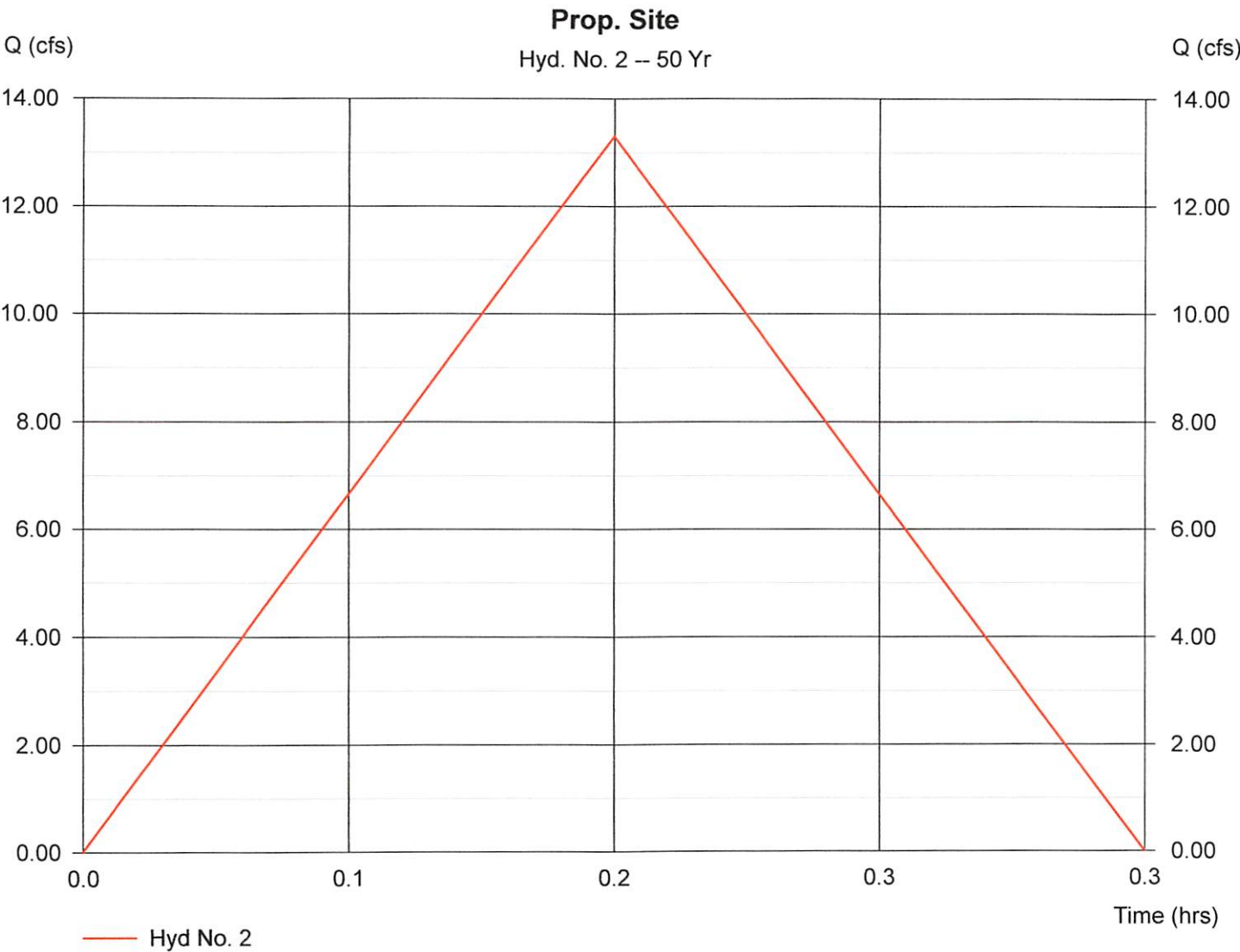
Hydrograph Plot

Hyd. No. 2

Prop. Site

Hydrograph type	= Rational	Peak discharge	= 13.31 cfs
Storm frequency	= 50 yrs	Time interval	= 1 min
Drainage area	= 4.050 ac	Runoff coeff.	= 0.44
Intensity	= 7.468 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 7,985 cuft



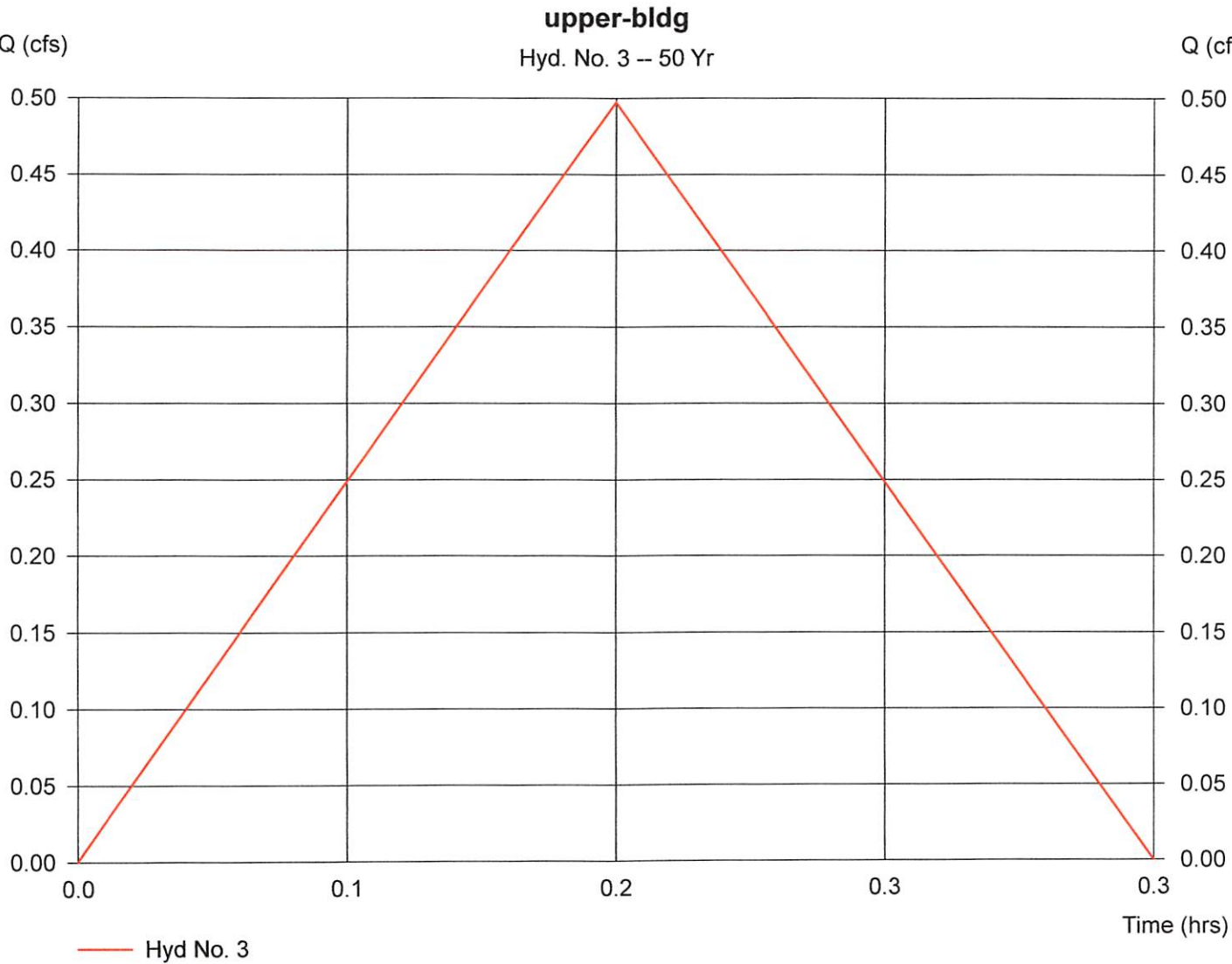
Hydrograph Plot

Hyd. No. 3

upper-bldg

Hydrograph type	= Rational	Peak discharge	= 0.50 cfs
Storm frequency	= 50 yrs	Time interval	= 1 min
Drainage area	= 0.074 ac	Runoff coeff.	= 0.9
Intensity	= 7.468 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 298 cuft



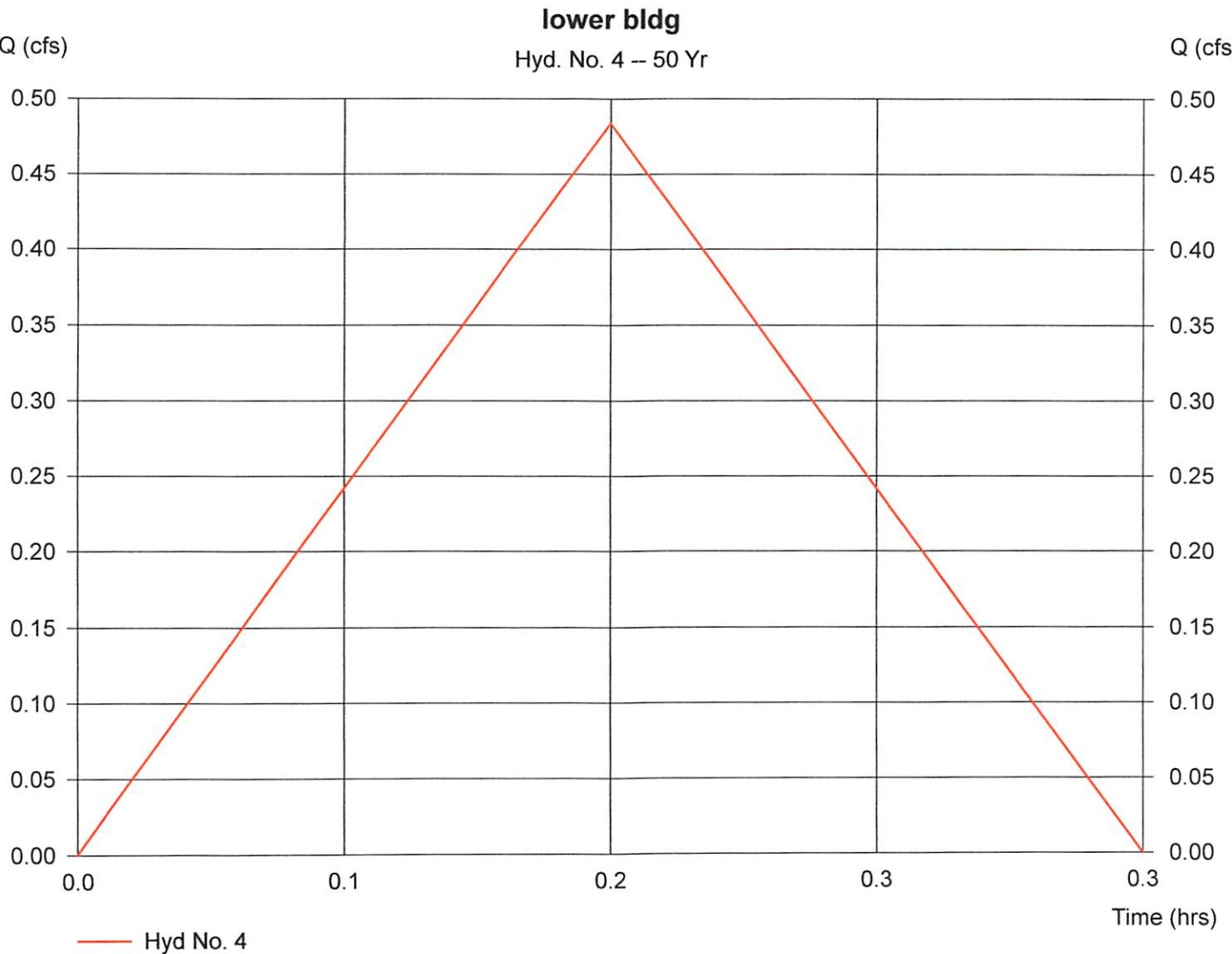
Hydrograph Plot

Hyd. No. 4

lower bldg

Hydrograph type	= Rational	Peak discharge	= 0.48 cfs
Storm frequency	= 50 yrs	Time interval	= 1 min
Drainage area	= 0.072 ac	Runoff coeff.	= 0.9
Intensity	= 7.468 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 290 cuft



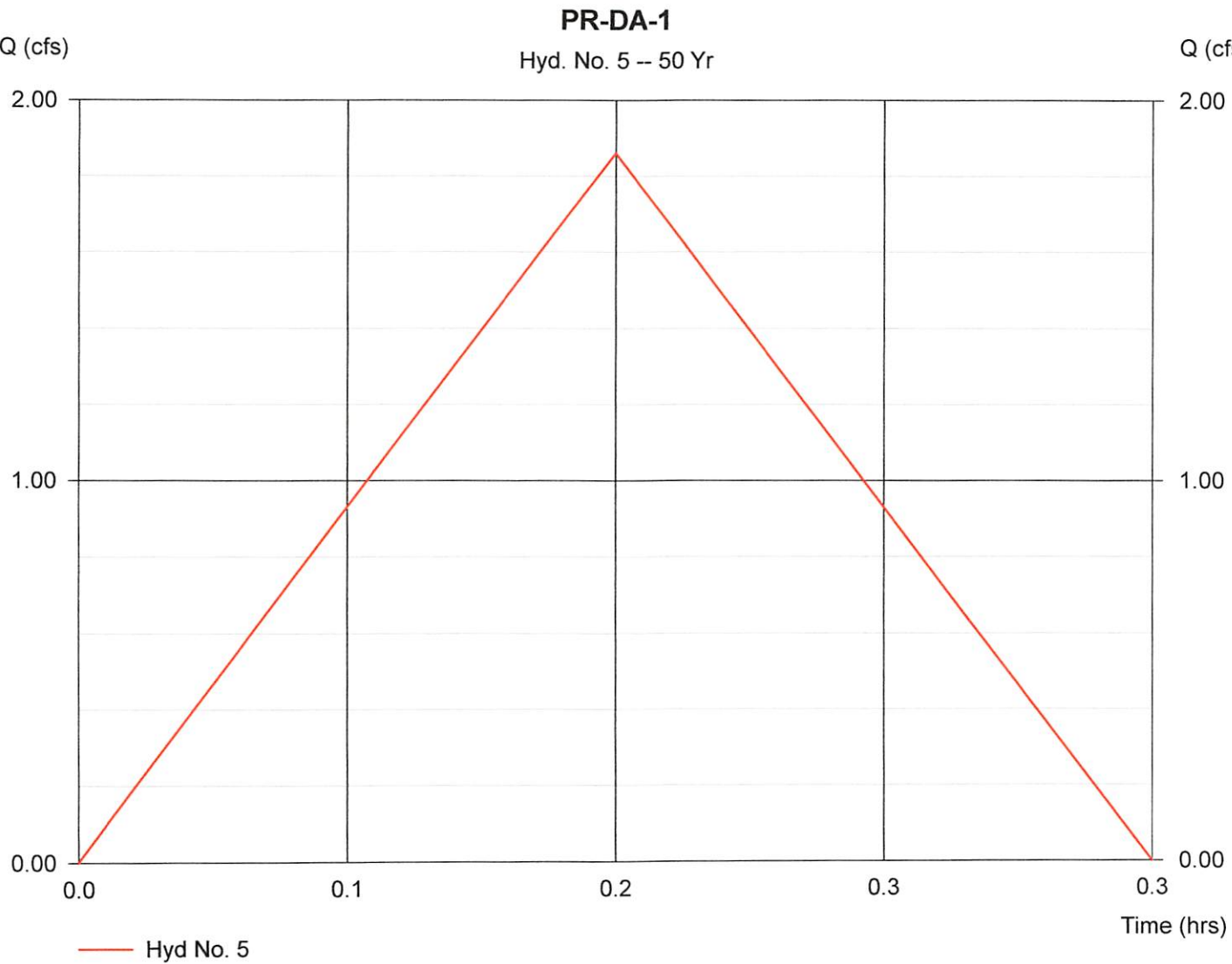
Hydrograph Plot

Hyd. No. 5

PR-DA-1

Hydrograph type	= Rational	Peak discharge	= 1.86 cfs
Storm frequency	= 50 yrs	Time interval	= 1 min
Drainage area	= 0.530 ac	Runoff coeff.	= 0.47
Intensity	= 7.468 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 1,116 cuft



Hydrograph Plot

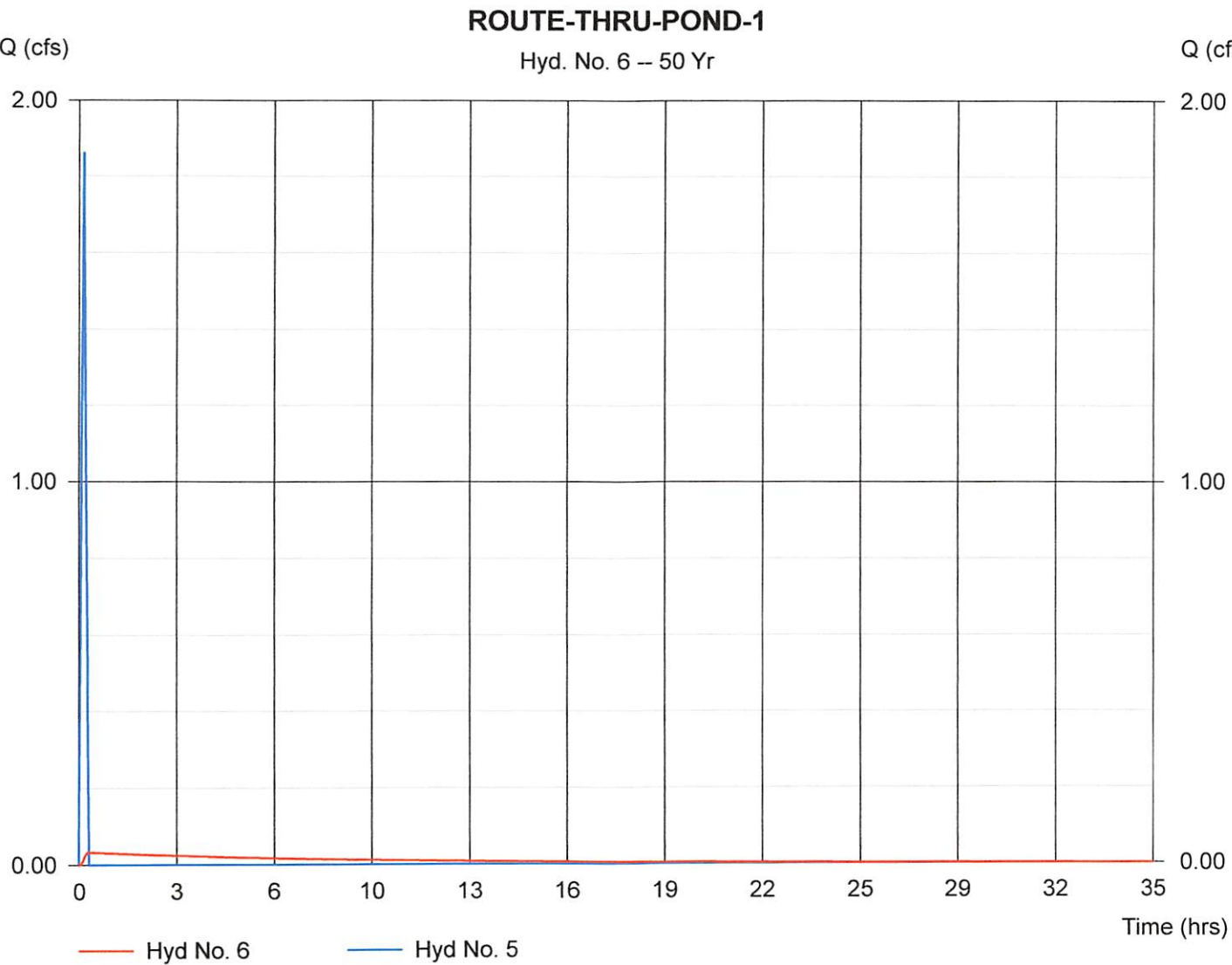
Hyd. No. 6

ROUTE-THRU-POND-1

Hydrograph type	= Reservoir	Peak discharge	= 0.03 cfs
Storm frequency	= 50 yrs	Time interval	= 1 min
Inflow hyd. No.	= 5	Max. Elevation	= 276.80 ft
Reservoir name	= POND-1	Max. Storage	= 1,096 cuft

Storage Indication method used.

Hydrograph Volume = 1,083 cuft



Pond Report

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Hydraflow Hydrographs by Intelisolve

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Pond No. 1 - POND-1

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	276.00	931	0	0
2.00	278.00	1,813	2,744	2,744

Culvert / Orifice Structures

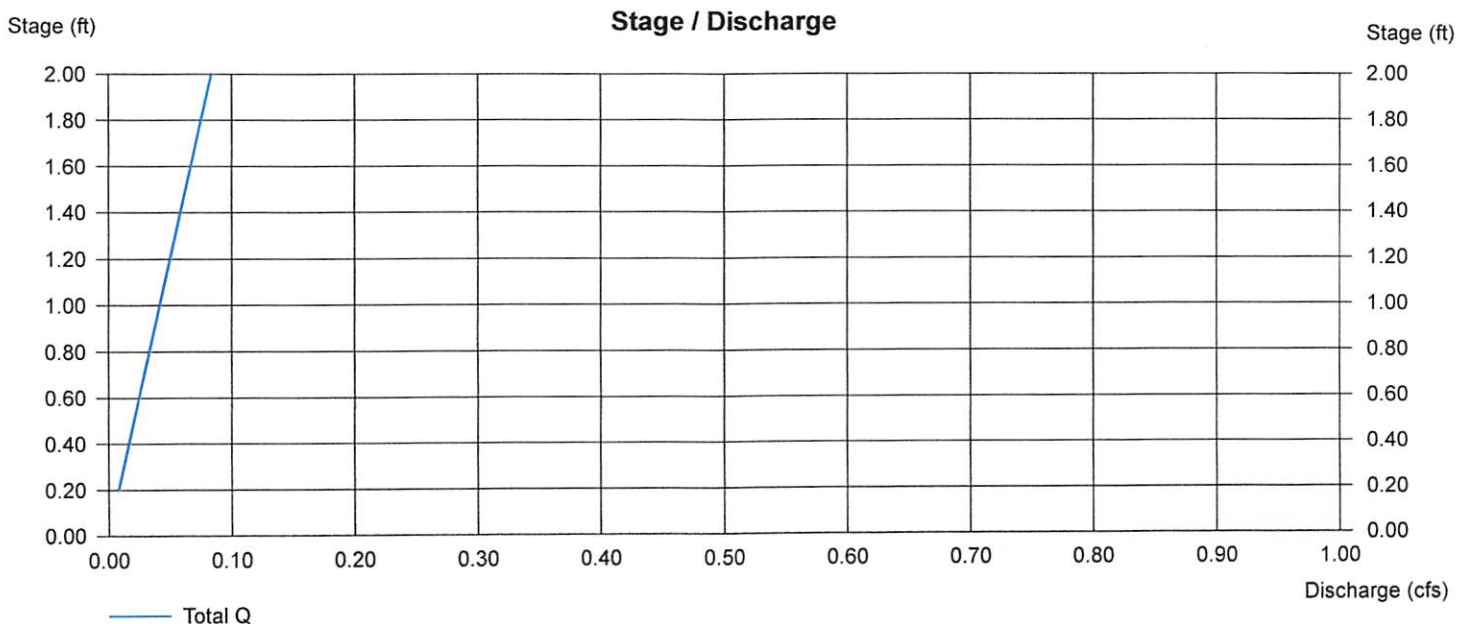
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 0.00	0.00	0.00	0.00
Crest El. (ft)	= 0.00	0.00	0.00	0.00
Weir Coeff.	= 0.00	0.00	0.00	0.00
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



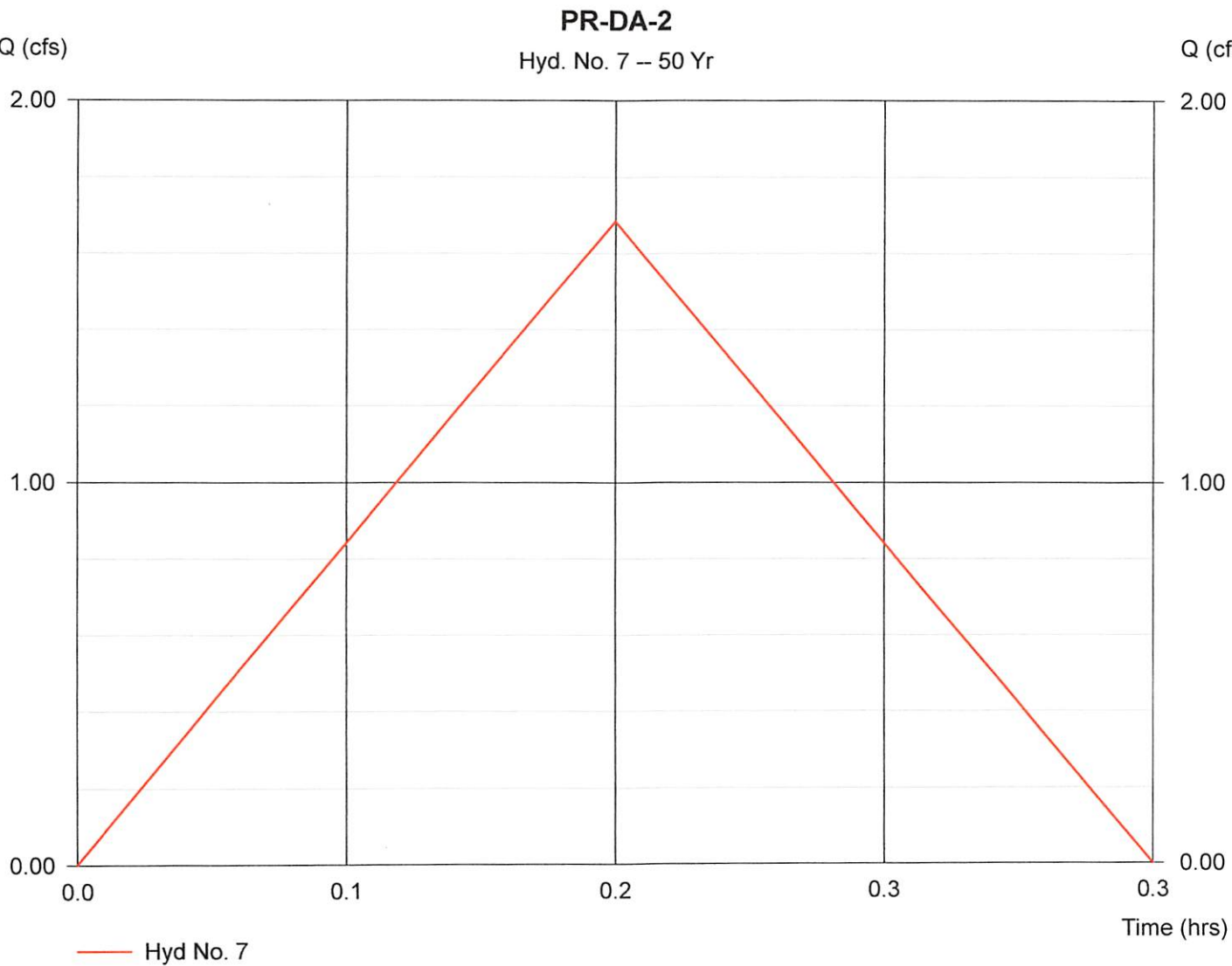
Hydrograph Plot

Hyd. No. 7

PR-DA-2

Hydrograph type	= Rational	Peak discharge	= 1.68 cfs
Storm frequency	= 50 yrs	Time interval	= 1 min
Drainage area	= 0.550 ac	Runoff coeff.	= 0.41
Intensity	= 7.468 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 1,010 cuft



Hydrograph Plot

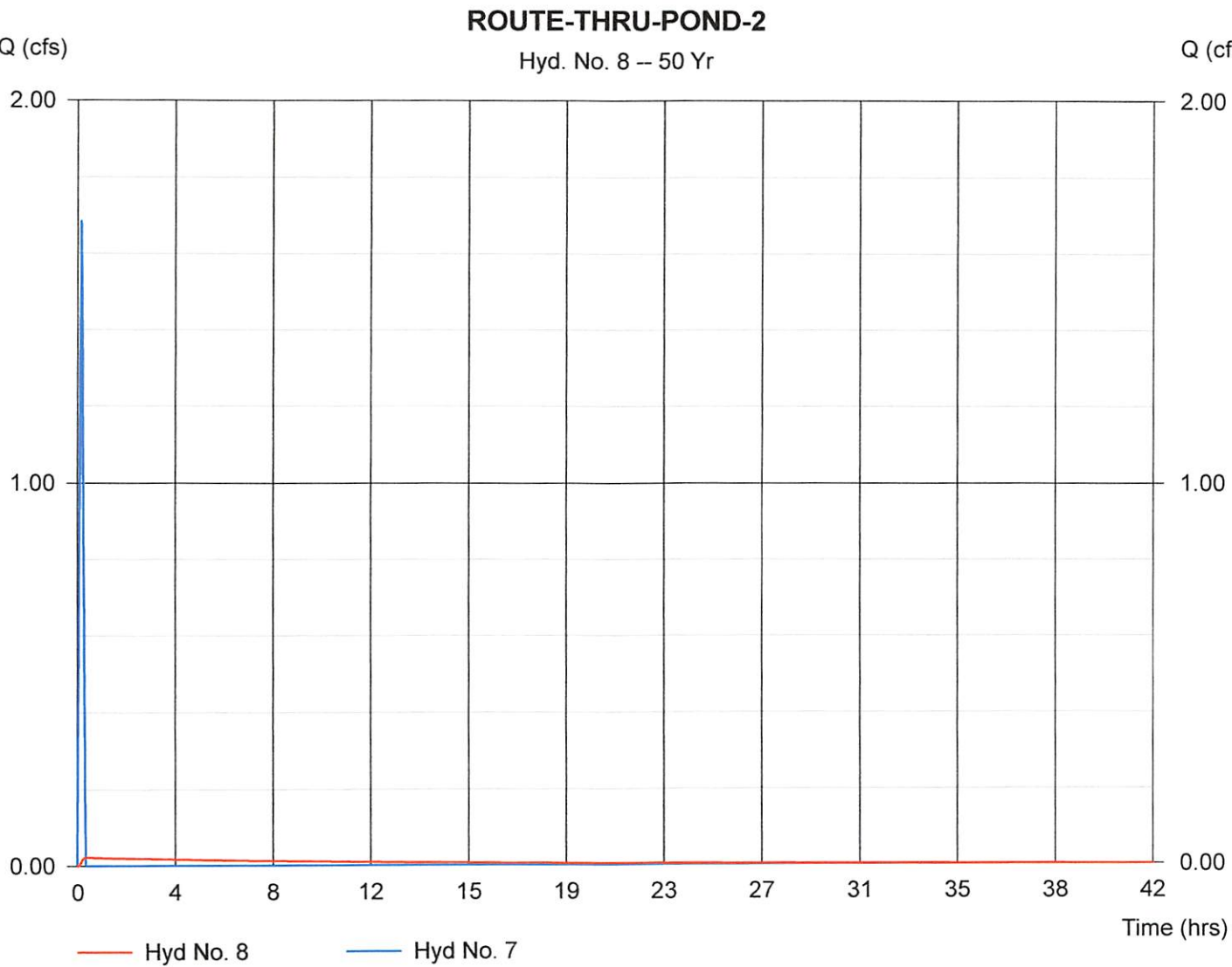
Hyd. No. 8

ROUTE-THRU-POND-2

Hydrograph type	= Reservoir	Peak discharge	= 0.02 cfs
Storm frequency	= 50 yrs	Time interval	= 1 min
Inflow hyd. No.	= 7	Max. Elevation	= 267.10 ft
Reservoir name	= POND-2	Max. Storage	= 997 cuft

Storage Indication method used.

Hydrograph Volume = 966 cuft



Pond Report

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Hydraflow Hydrographs by Intelisolve

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Pond No. 2 - POND-2

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	266.00	931	0	0
2.00	268.00	882	1,813	1,813

Culvert / Orifice Structures

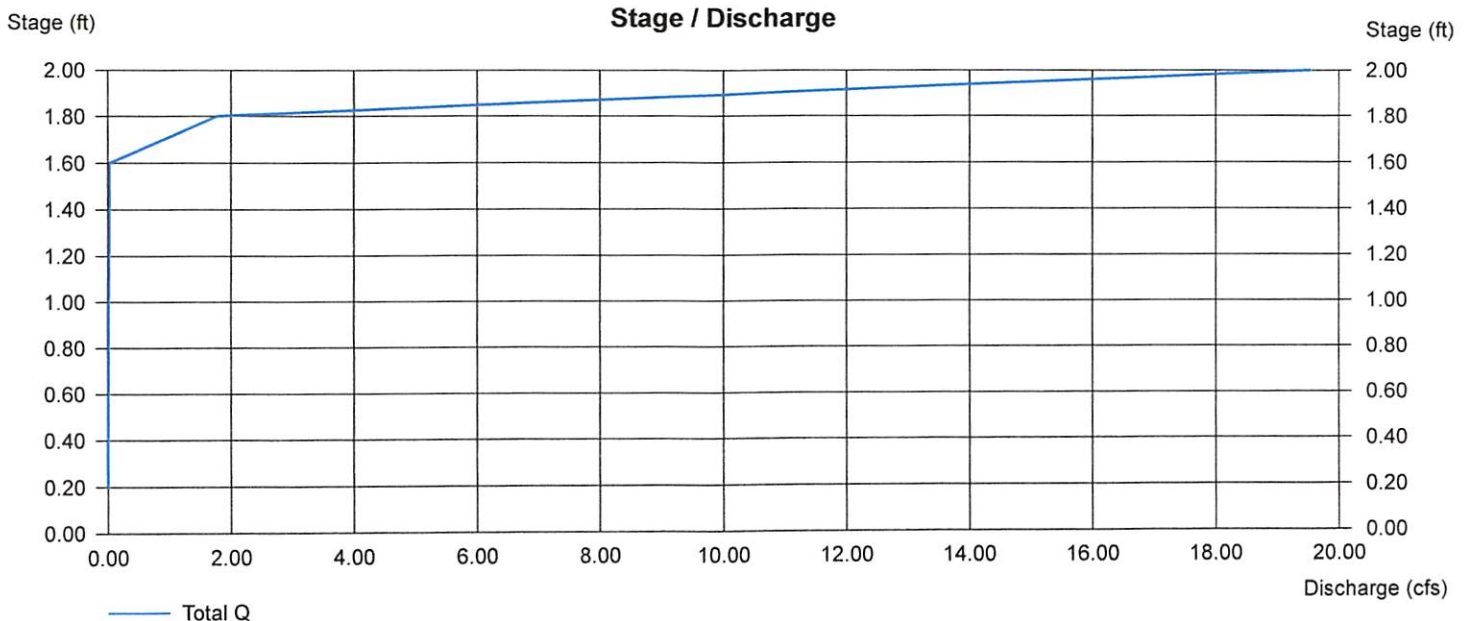
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 60.00	0.00	0.00	0.00
Crest El. (ft)	= 267.75	0.00	0.00	0.00
Weir Coeff.	= 2.60	0.00	0.00	0.00
Weir Type	= Broad	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



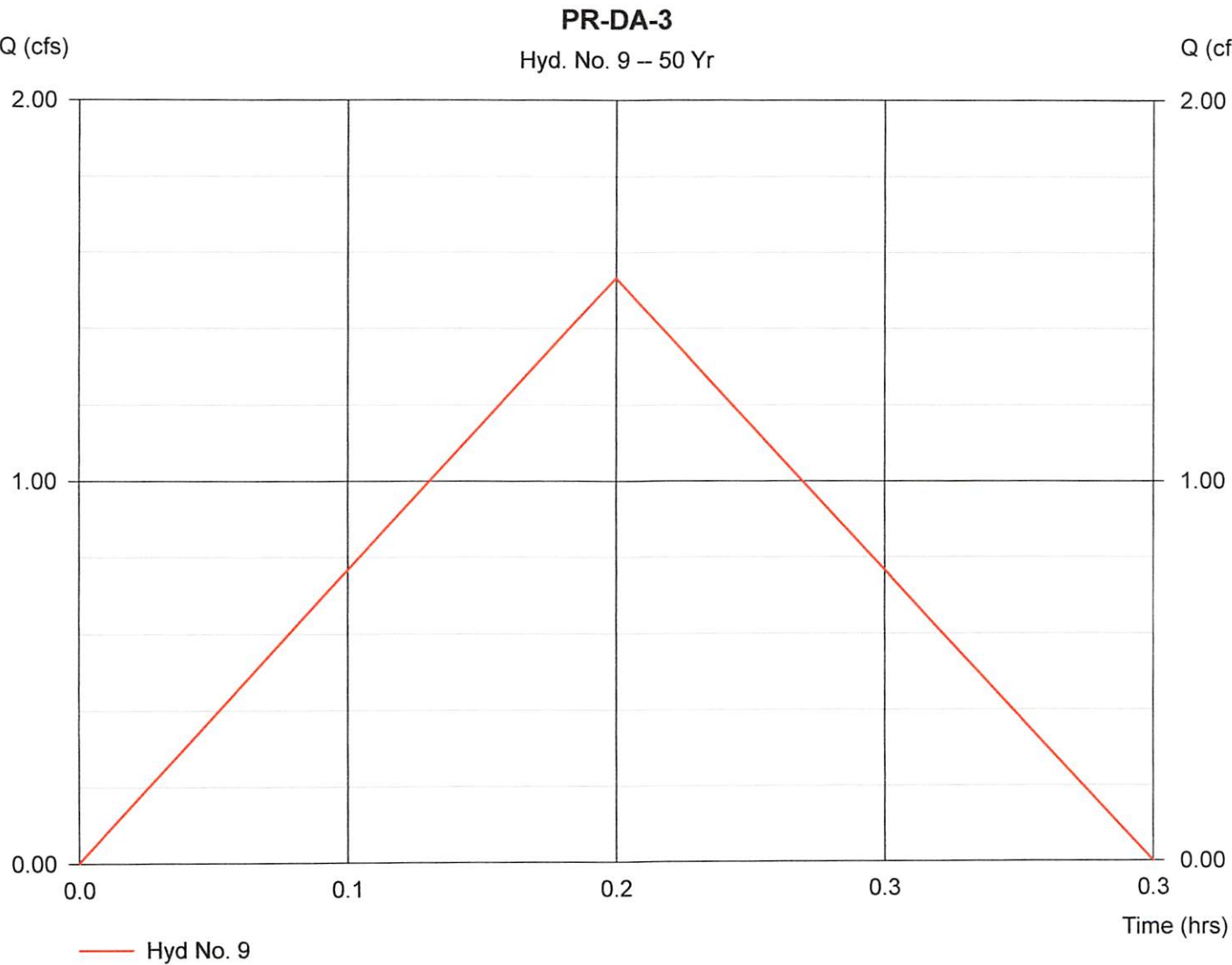
Hydrograph Plot

Hyd. No. 9

PR-DA-3

Hydrograph type	= Rational	Peak discharge	= 1.53 cfs
Storm frequency	= 50 yrs	Time interval	= 1 min
Drainage area	= 0.360 ac	Runoff coeff.	= 0.57
Intensity	= 7.468 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 919 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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Hyd. No. 10

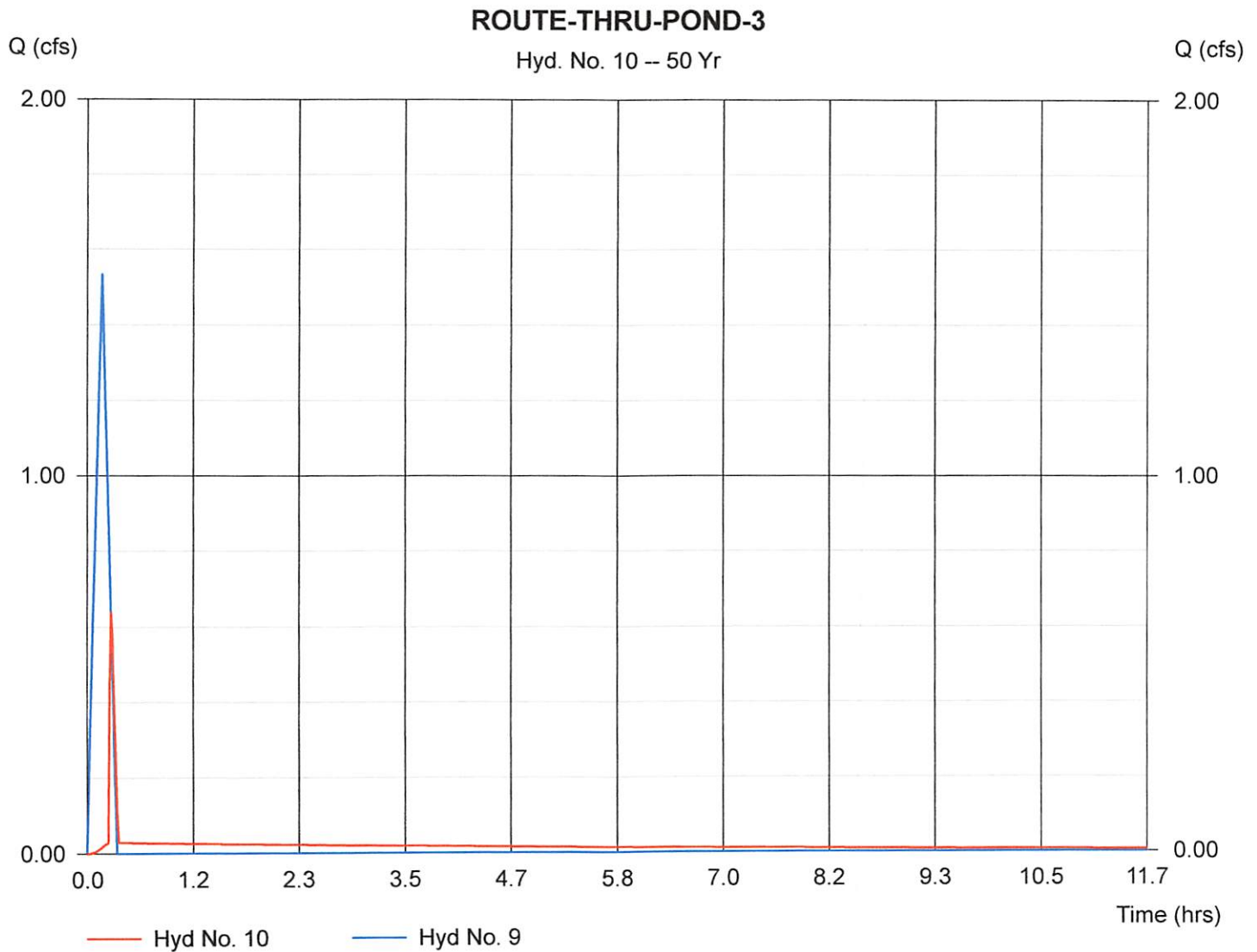
ROUTE-THRU-POND-3

Hydrograph type = Reservoir
Storm frequency = 50 yrs
Inflow hyd. No. = 9
Reservoir name = POND-3

Peak discharge = 0.64 cfs
Time interval = 1 min
Max. Elevation = 255.66 ft
Max. Storage = 789 cuft

Storage Indication method used.

Hydrograph Volume = 893 cuft



Pond Report

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Hydraflow Hydrographs by Intelisolve

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Pond No. 3 - POND-3

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	254.00	162	0	0
2.00	256.00	789	951	951

Culvert / Orifice Structures

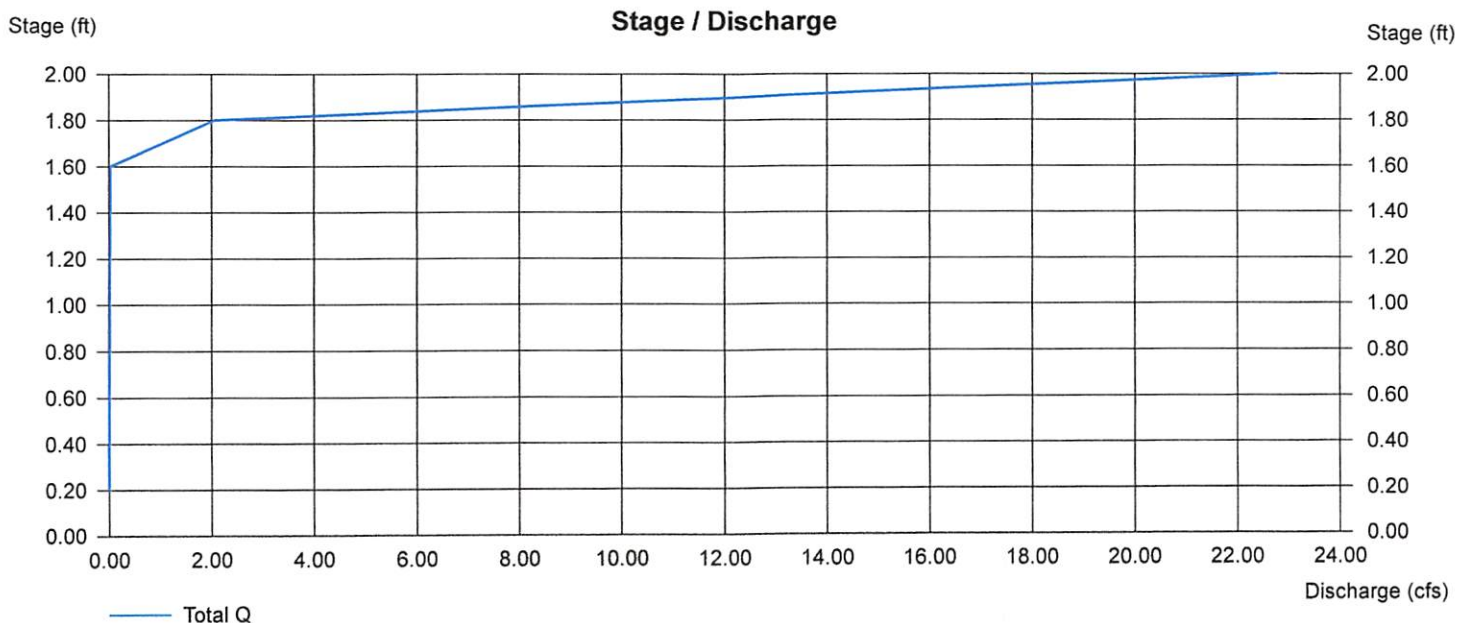
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 70.00	0.00	0.00	0.00
Crest El. (ft)	= 255.75	0.00	0.00	0.00
Weir Coeff.	= 2.60	0.00	0.00	0.00
Weir Type	= Broad	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



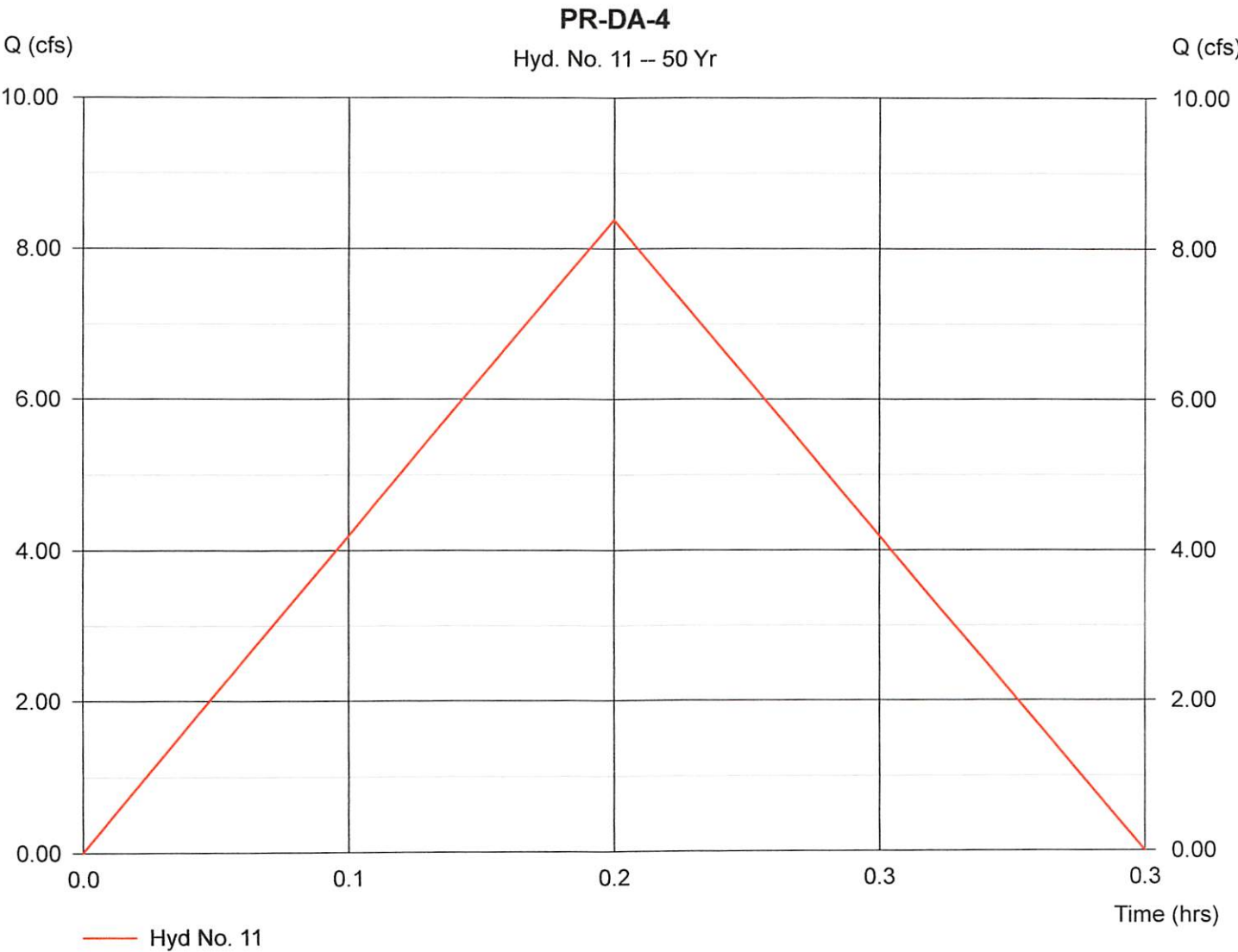
Hydrograph Plot

Hyd. No. 11

PR-DA-4

Hydrograph type	= Rational	Peak discharge	= 8.38 cfs
Storm frequency	= 50 yrs	Time interval	= 1 min
Drainage area	= 2.610 ac	Runoff coeff.	= 0.43
Intensity	= 7.468 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 5,029 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

Wednesday, Aug 26 2026, 7:51 PM

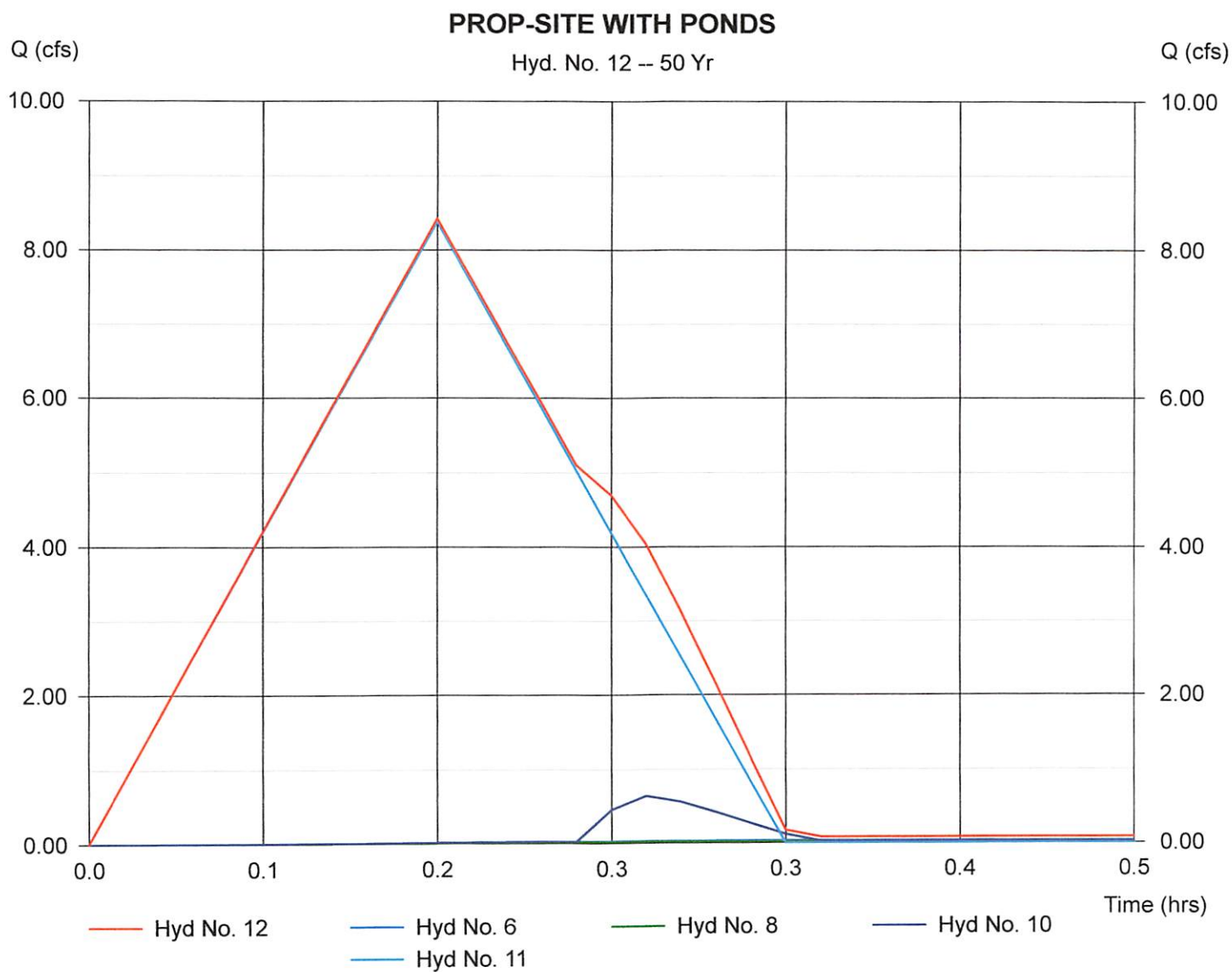
Hyd. No. 12

PROP-SITE WITH PONDS

Hydrograph type = Combine
Storm frequency = 50 yrs
Inflow hyds. = 6, 8, 10, 11

Peak discharge = 8.43 cfs
Time interval = 1 min

Hydrograph Volume = 7,972 cuft



Hydrograph Summary Report

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Volume (cuft)	Inflow hyd(s)	Maximum elevation (ft)	Maximum storage (cuft)	Hydrograph description
1	Rational	13.79	1	10	8,276	—	—	—	Existing Site
2	Rational	14.80	1	10	8,882	—	—	—	Prop. Site
3	Rational	0.55	1	10	332	—	—	—	upper-bldg
4	Rational	0.54	1	10	323	—	—	—	lower bldg
5	Rational	2.07	1	10	1,242	—	—	—	PR-DA-1
6	Reservoir	0.04	1	20	1,209	5	276.89	1,219	ROUTE-THRU-POND-1
7	Rational	1.87	1	10	1,124	—	—	—	PR-DA-2
8	Reservoir	0.02	1	20	1,080	7	267.22	1,109	ROUTE-THRU-POND-2
9	Rational	1.70	1	10	1,023	—	—	—	PR-DA-3
10	Reservoir	0.93	1	15	997	9	255.69	803	ROUTE-THRU-POND-3
11	Rational	9.32	1	10	5,594	—	—	—	PR-DA-4
12	Combine	9.37	1	10	8,879	6, 8, 10, 11	—	—	PROP-SITE WITH PONDS
1127.gpw					Return Period: 100 Year			Wednesday, Aug 26 2026, 7:51 PM	

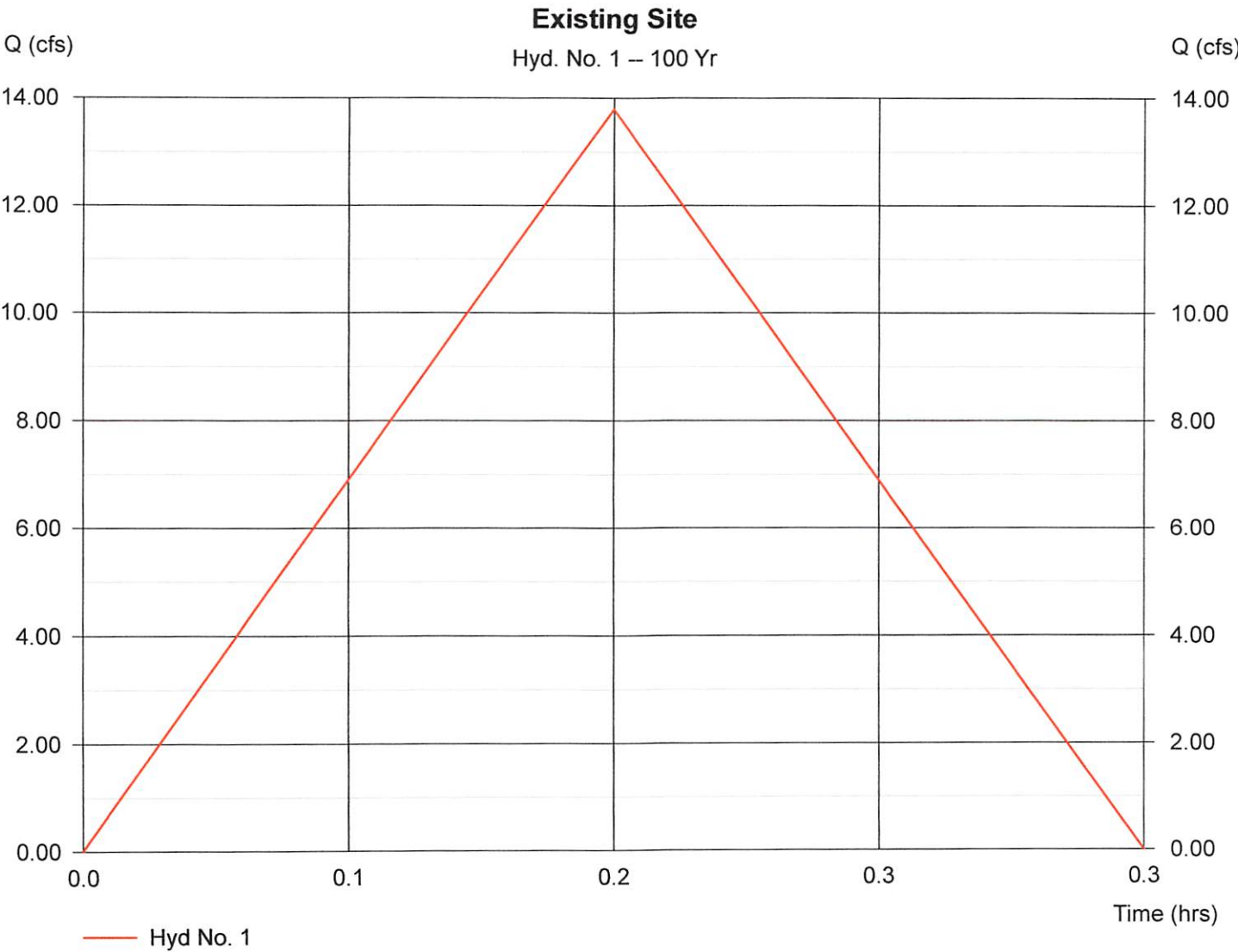
Hydrograph Plot

Hyd. No. 1

Existing Site

Hydrograph type	= Rational	Peak discharge	= 13.79 cfs
Storm frequency	= 100 yrs	Time interval	= 1 min
Drainage area	= 4.050 ac	Runoff coeff.	= 0.41
Intensity	= 8.307 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 8,276 cuft



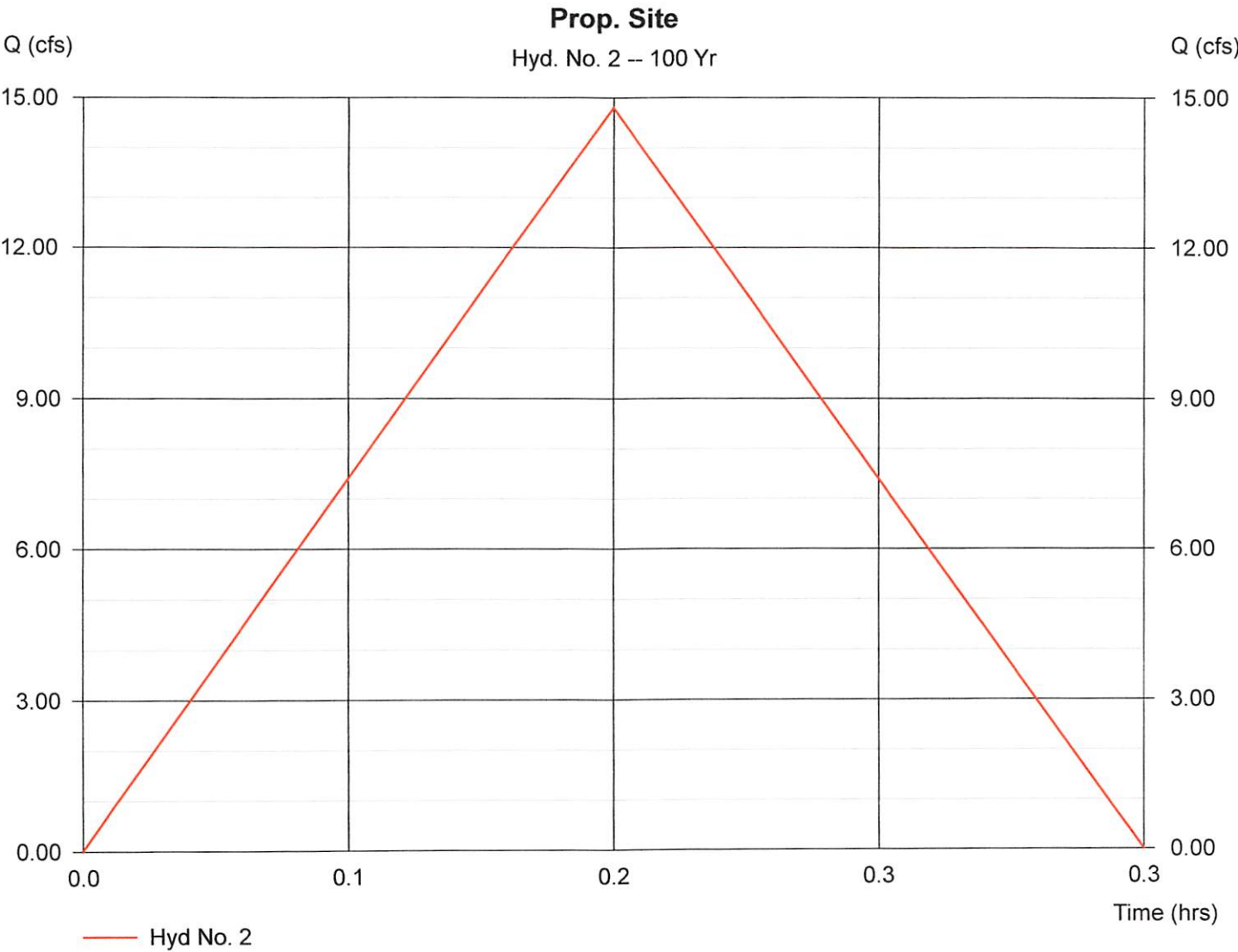
Hydrograph Plot

Hyd. No. 2

Prop. Site

Hydrograph type	= Rational	Peak discharge	= 14.80 cfs
Storm frequency	= 100 yrs	Time interval	= 1 min
Drainage area	= 4.050 ac	Runoff coeff.	= 0.44
Intensity	= 8.307 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 8,882 cuft



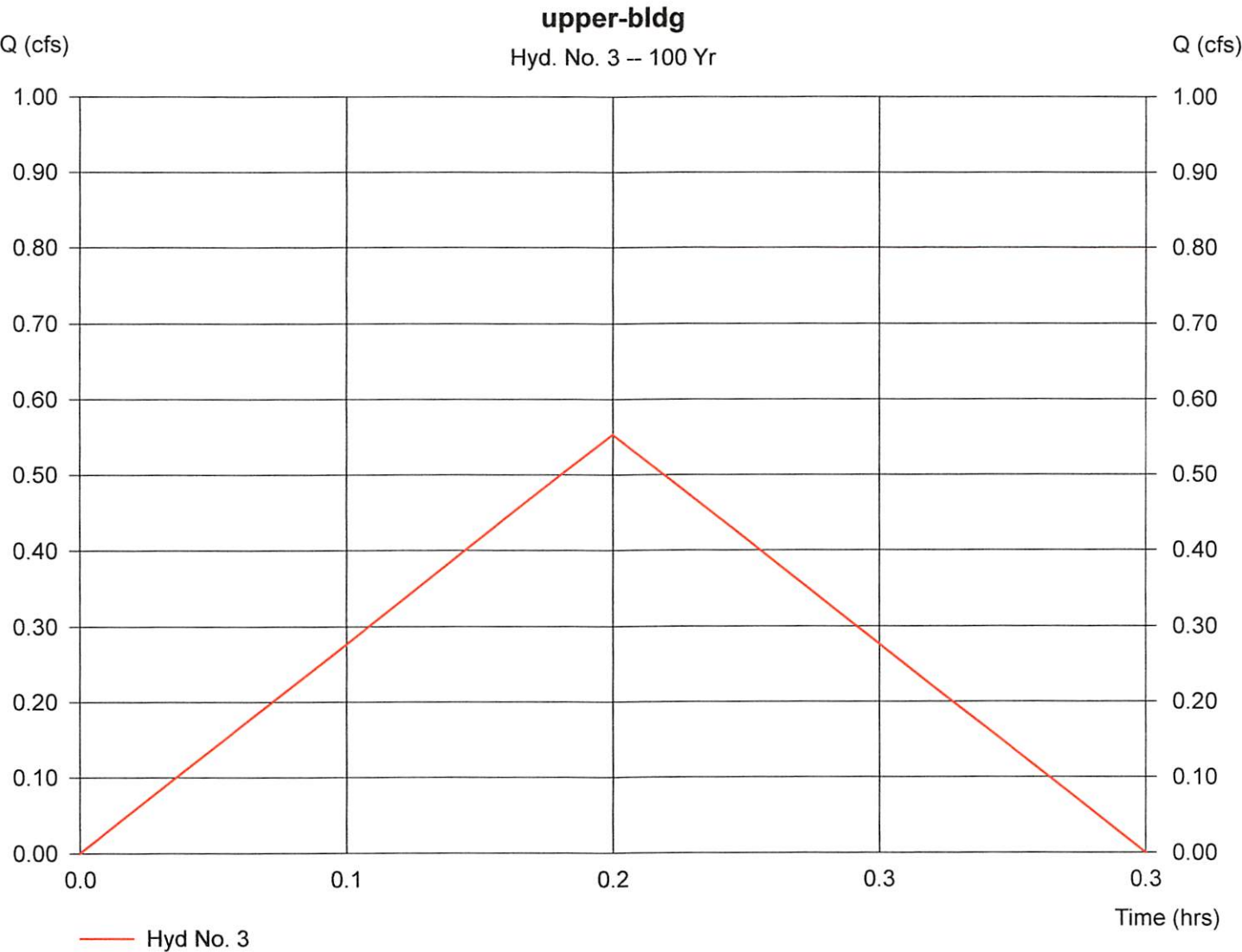
Hydrograph Plot

Hyd. No. 3

upper-bldg

Hydrograph type	= Rational	Peak discharge	= 0.55 cfs
Storm frequency	= 100 yrs	Time interval	= 1 min
Drainage area	= 0.074 ac	Runoff coeff.	= 0.9
Intensity	= 8.307 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 332 cuft



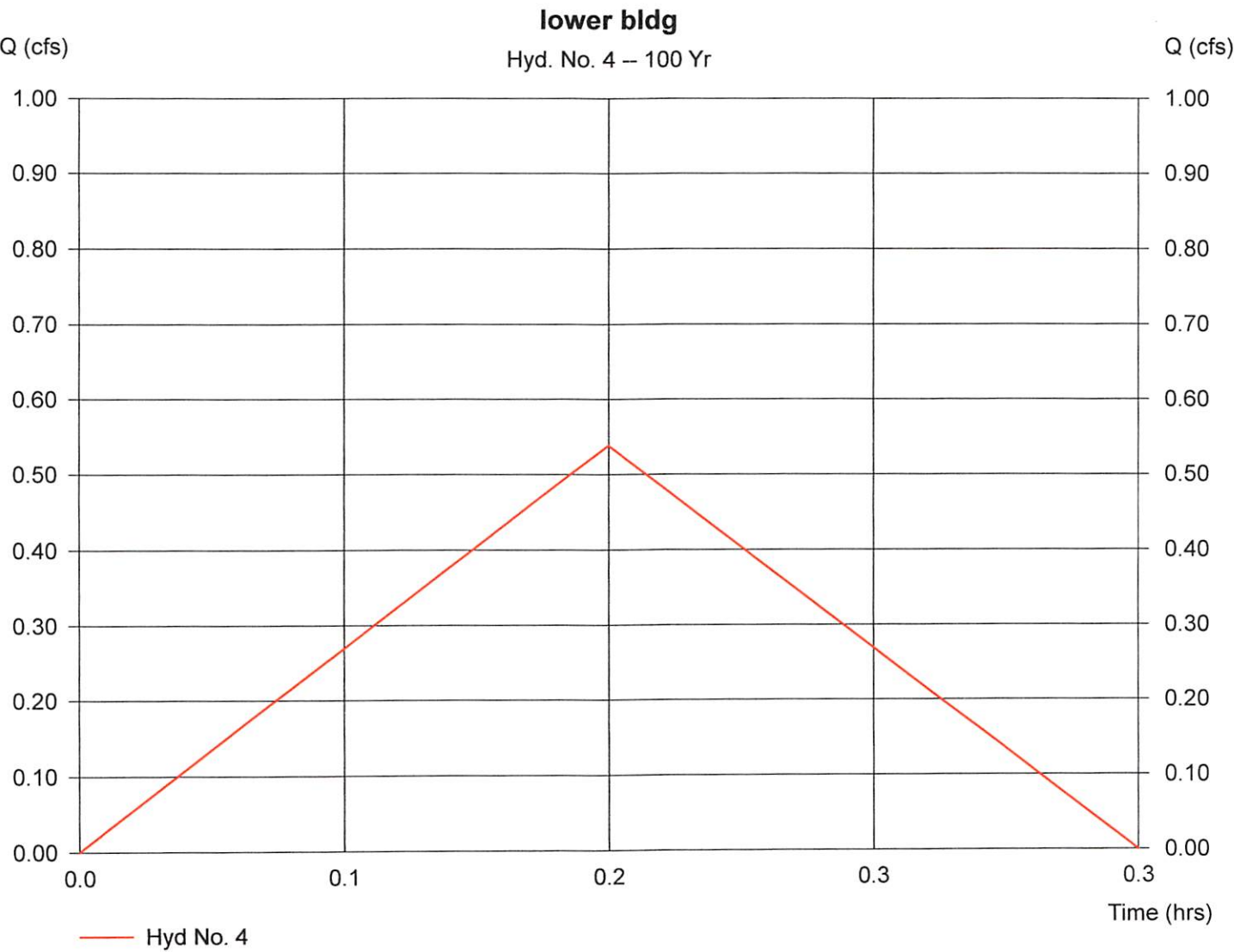
Hydrograph Plot

Hyd. No. 4

lower bldg

Hydrograph type	= Rational	Peak discharge	= 0.54 cfs
Storm frequency	= 100 yrs	Time interval	= 1 min
Drainage area	= 0.072 ac	Runoff coeff.	= 0.9
Intensity	= 8.307 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 323 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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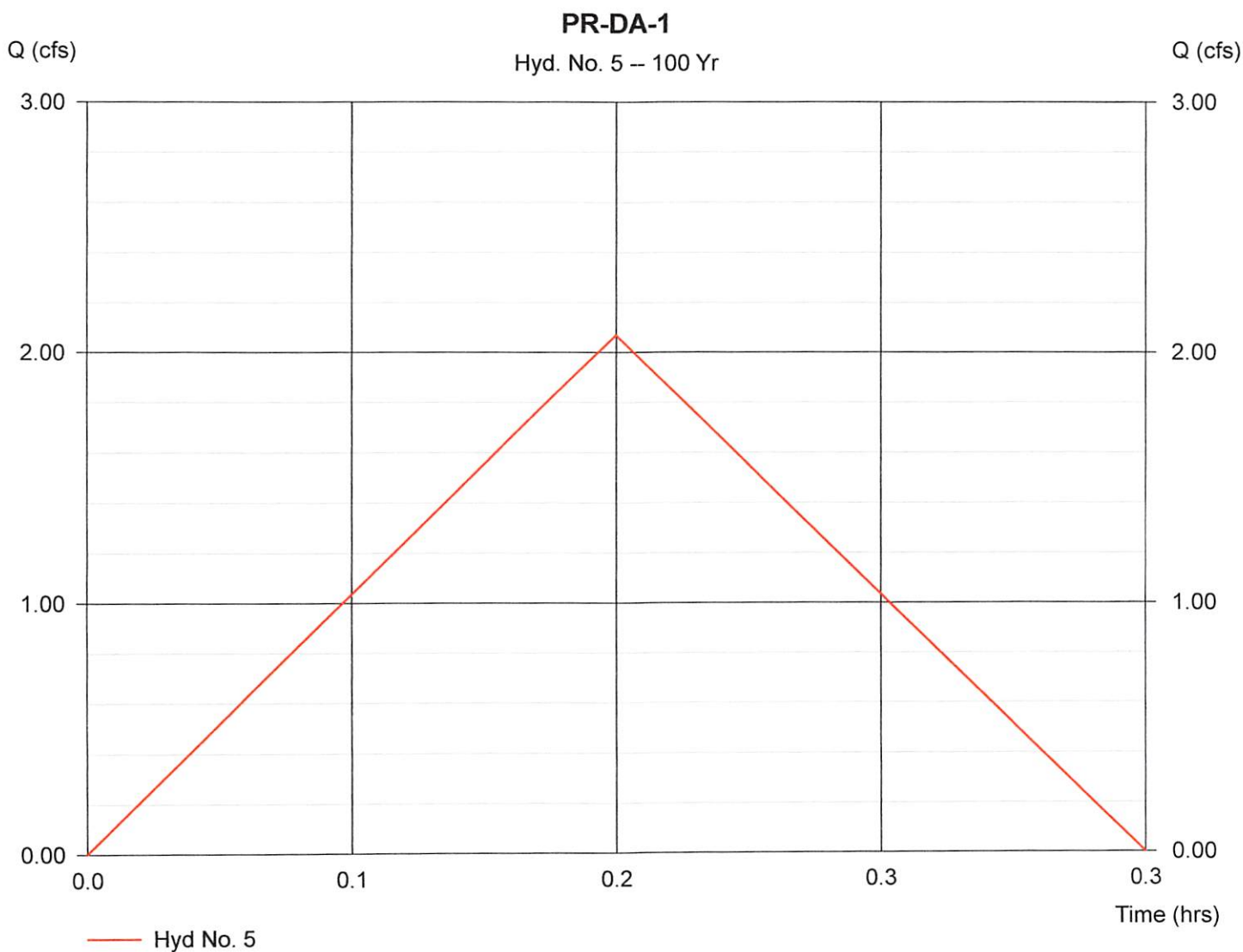
Hyd. No. 5

PR-DA-1

Hydrograph type = Rational
 Storm frequency = 100 yrs
 Drainage area = 0.530 ac
 Intensity = 8.307 in/hr
 IDF Curve = noaa-ct.IDF

Peak discharge = 2.07 cfs
 Time interval = 1 min
 Runoff coeff. = 0.47
 Tc by User = 10.00 min
 Asc/Rec limb fact = 1/1

Hydrograph Volume = 1,242 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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Hyd. No. 6

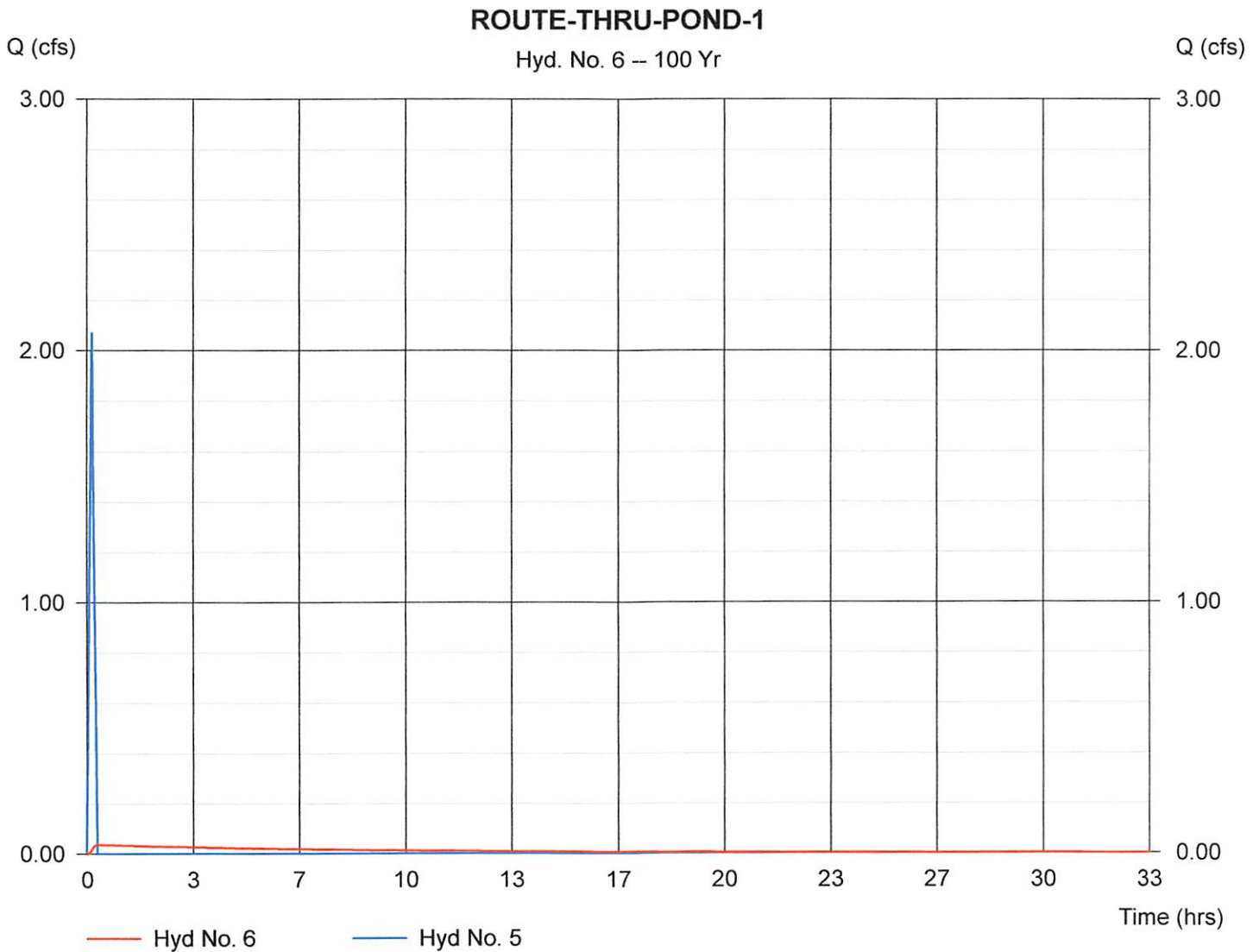
ROUTE-THRU-POND-1

Hydrograph type = Reservoir
 Storm frequency = 100 yrs
 Inflow hyd. No. = 5
 Reservoir name = POND-1

Peak discharge = 0.04 cfs
 Time interval = 1 min
 Max. Elevation = 276.89 ft
 Max. Storage = 1,219 cuft

Storage Indication method used.

Hydrograph Volume = 1,209 cuft



Pond Report

Hydraflow Hydrographs by Intelisolve

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Pond No. 1 - POND-1

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	276.00	931	0	0
2.00	278.00	1,813	2,744	2,744

Culvert / Orifice Structures

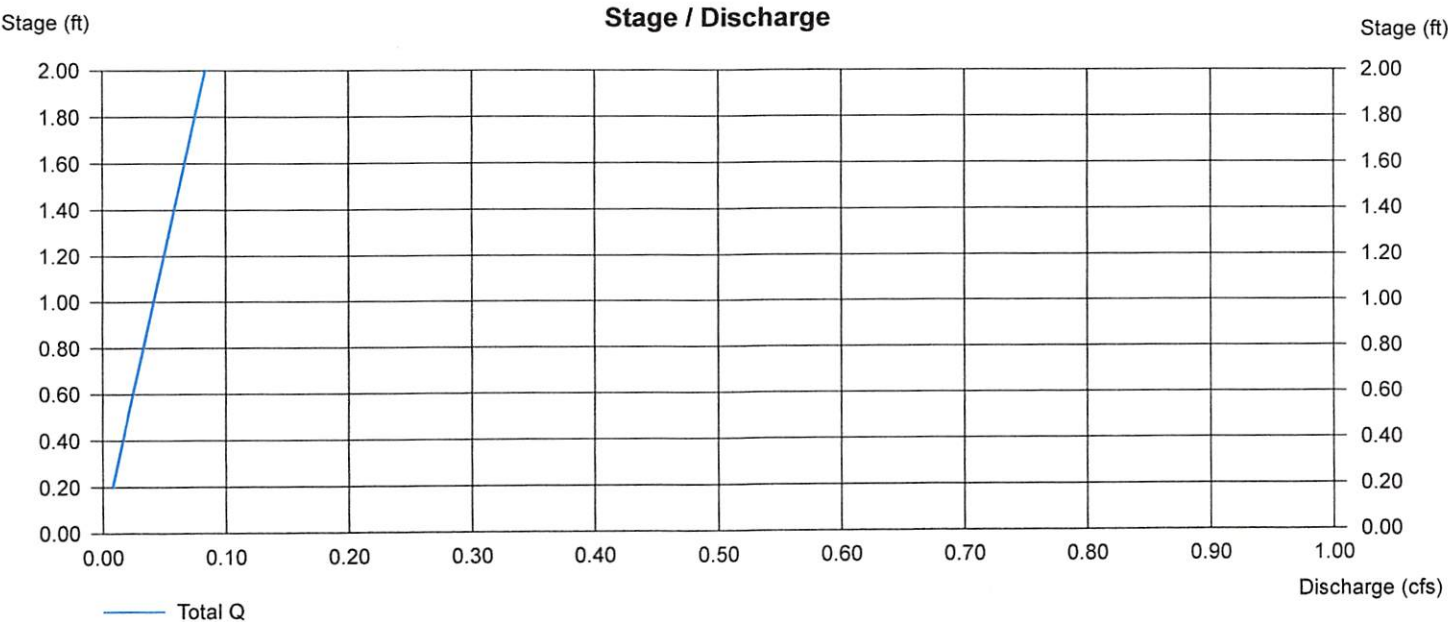
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 0.00	0.00	0.00	0.00
Crest El. (ft)	= 0.00	0.00	0.00	0.00
Weir Coeff.	= 0.00	0.00	0.00	0.00
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



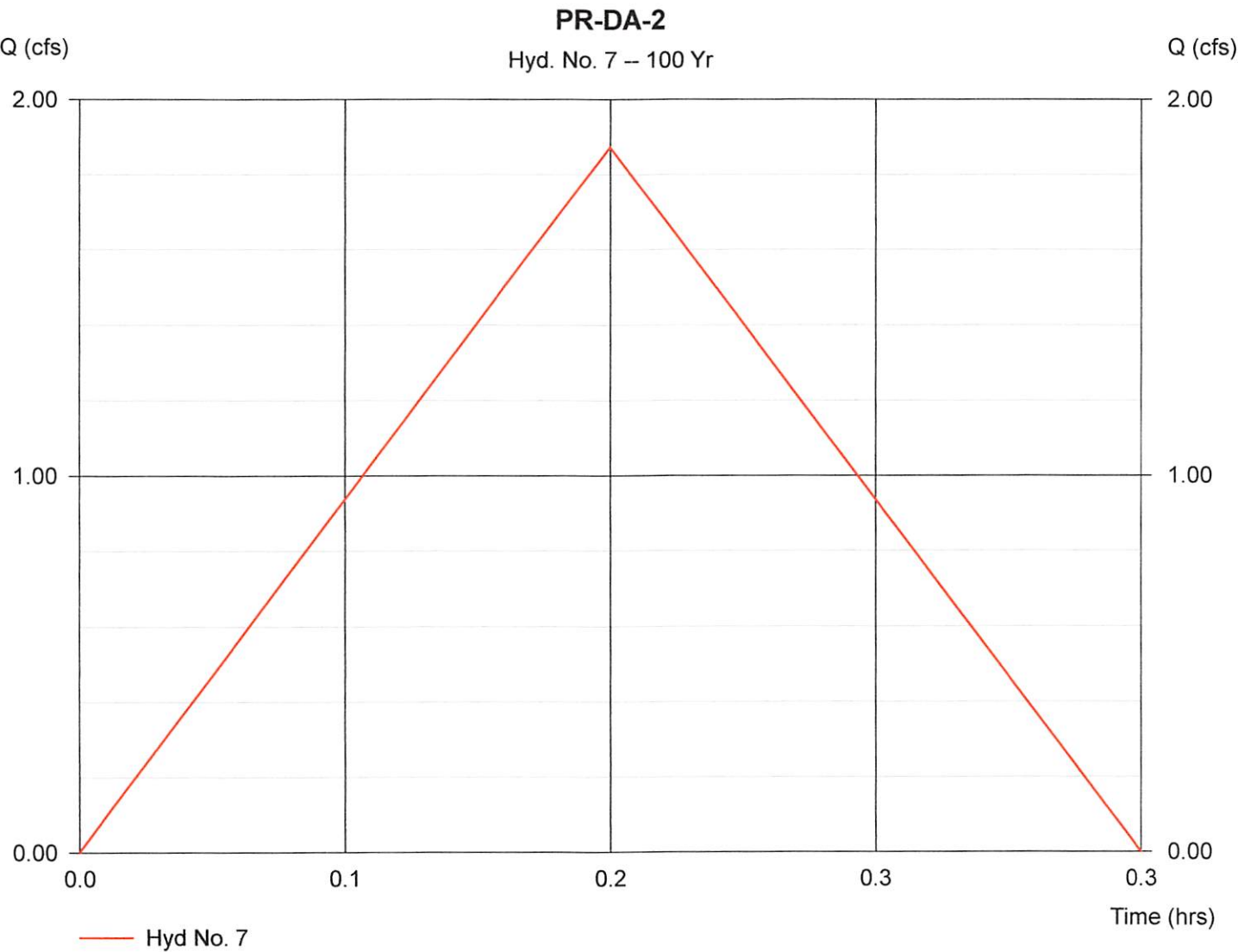
Hydrograph Plot

Hyd. No. 7

PR-DA-2

Hydrograph type	= Rational	Peak discharge	= 1.87 cfs
Storm frequency	= 100 yrs	Time interval	= 1 min
Drainage area	= 0.550 ac	Runoff coeff.	= 0.41
Intensity	= 8.307 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 1,124 cuft



Hydrograph Plot

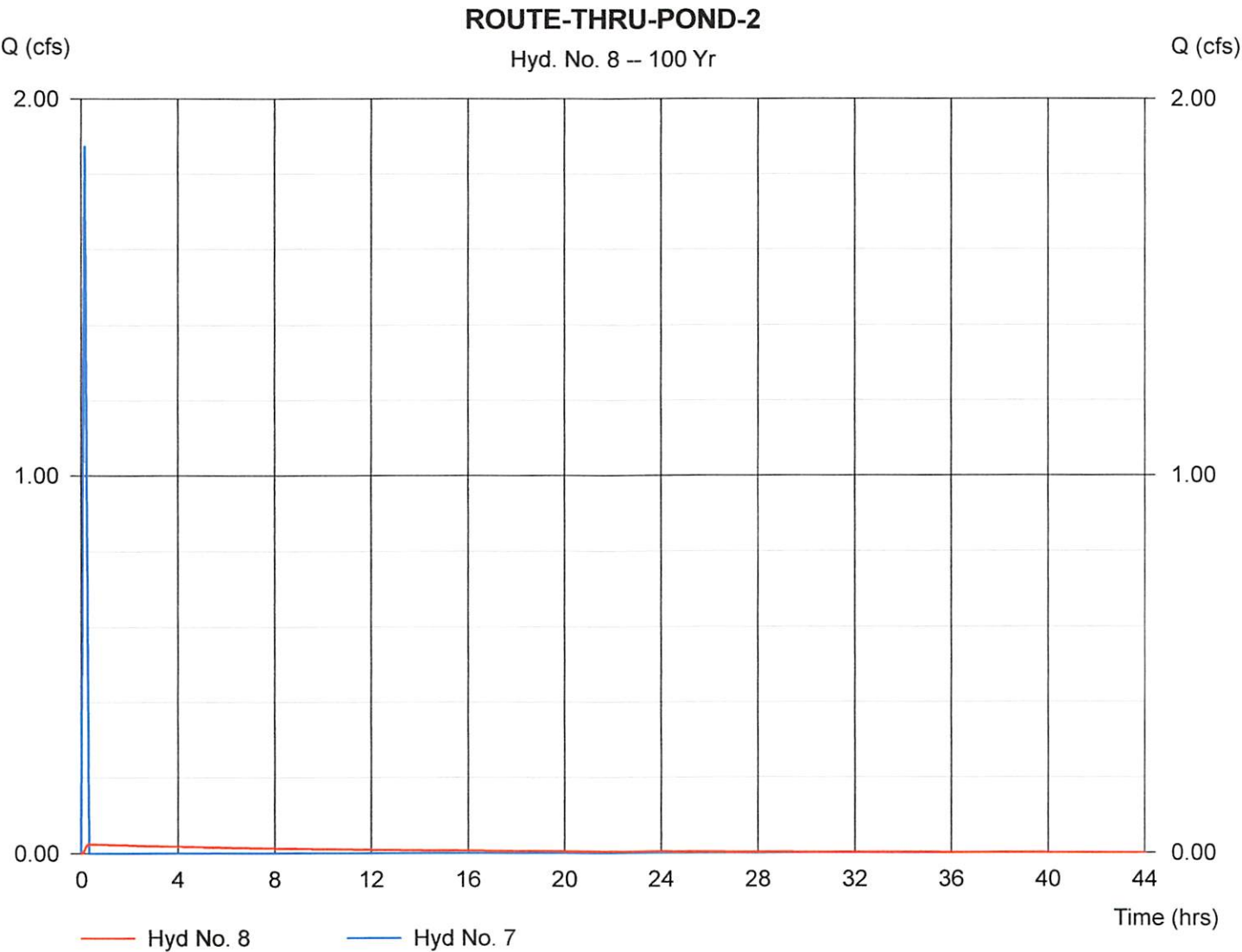
Hyd. No. 8

ROUTE-THRU-POND-2

Hydrograph type	= Reservoir	Peak discharge	= 0.02 cfs
Storm frequency	= 100 yrs	Time interval	= 1 min
Inflow hyd. No.	= 7	Max. Elevation	= 267.22 ft
Reservoir name	= POND-2	Max. Storage	= 1,109 cuft

Storage Indication method used.

Hydrograph Volume = 1,080 cuft



Pond Report

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Hydraflow Hydrographs by Intelisolve

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Pond No. 2 - POND-2

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	266.00	931	0	0
2.00	268.00	882	1,813	1,813

Culvert / Orifice Structures

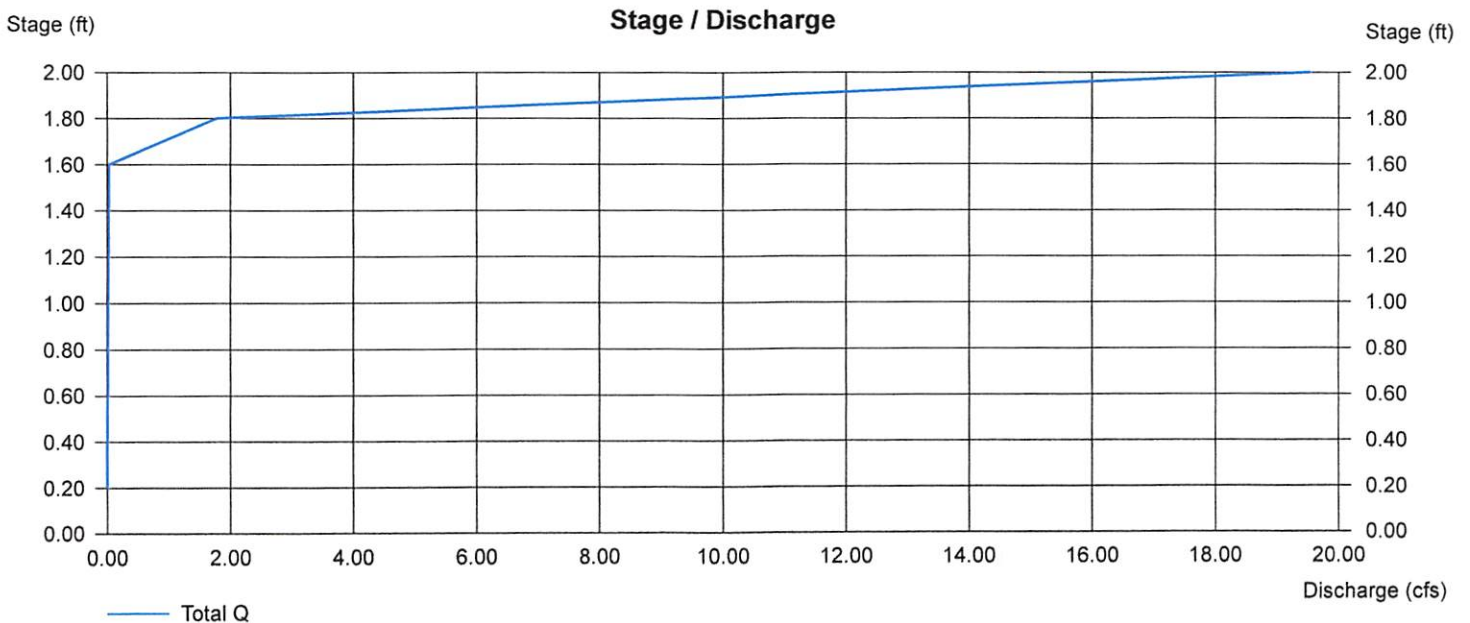
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 60.00	0.00	0.00	0.00
Crest El. (ft)	= 267.75	0.00	0.00	0.00
Weir Coeff.	= 2.60	0.00	0.00	0.00
Weir Type	= Broad	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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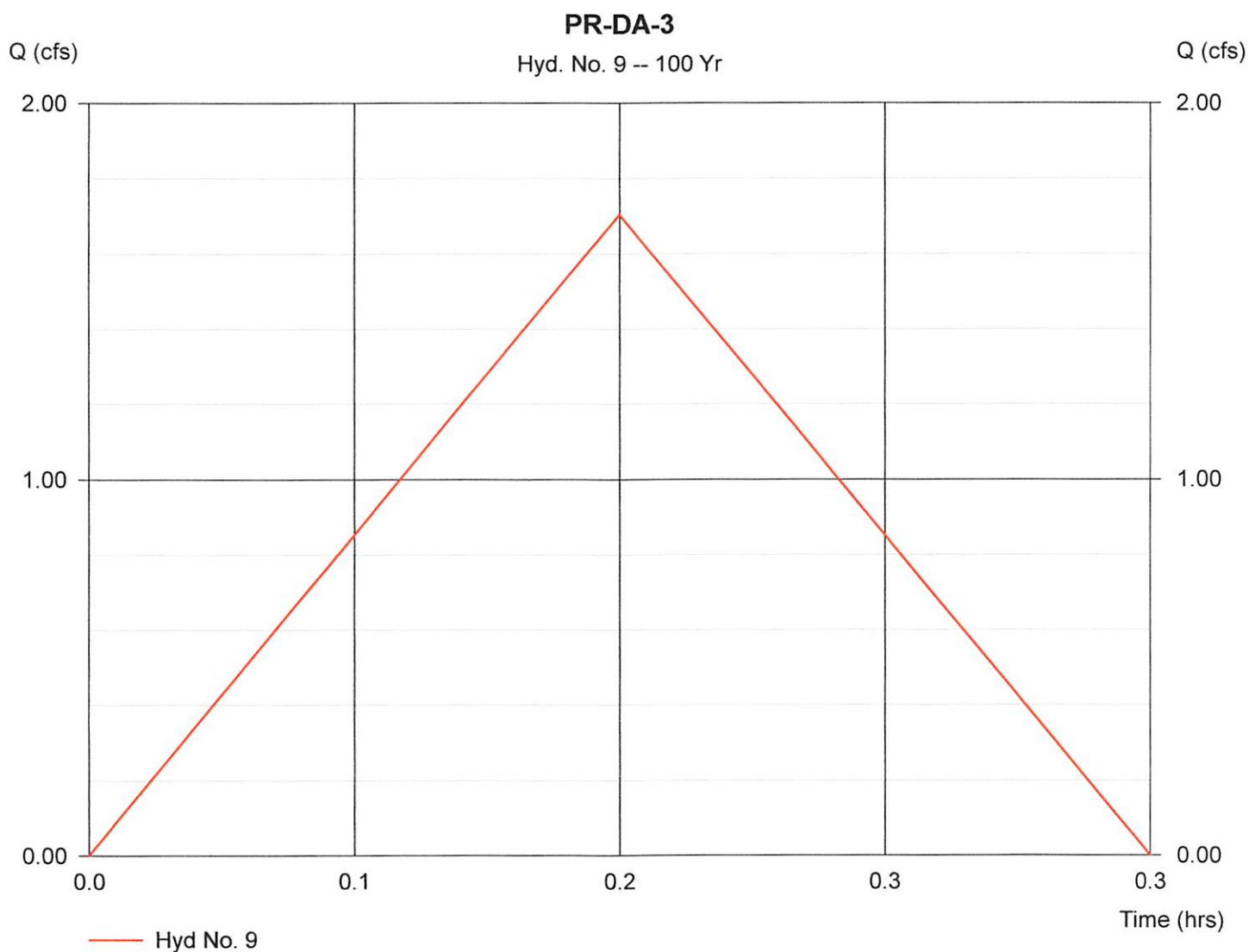
Hyd. No. 9

PR-DA-3

Hydrograph type = Rational
 Storm frequency = 100 yrs
 Drainage area = 0.360 ac
 Intensity = 8.307 in/hr
 IDF Curve = noaa-ct.IDF

Peak discharge = 1.70 cfs
 Time interval = 1 min
 Runoff coeff. = 0.57
 Tc by User = 10.00 min
 Asc/Rec limb fact = 1/1

Hydrograph Volume = 1,023 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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Hyd. No. 10

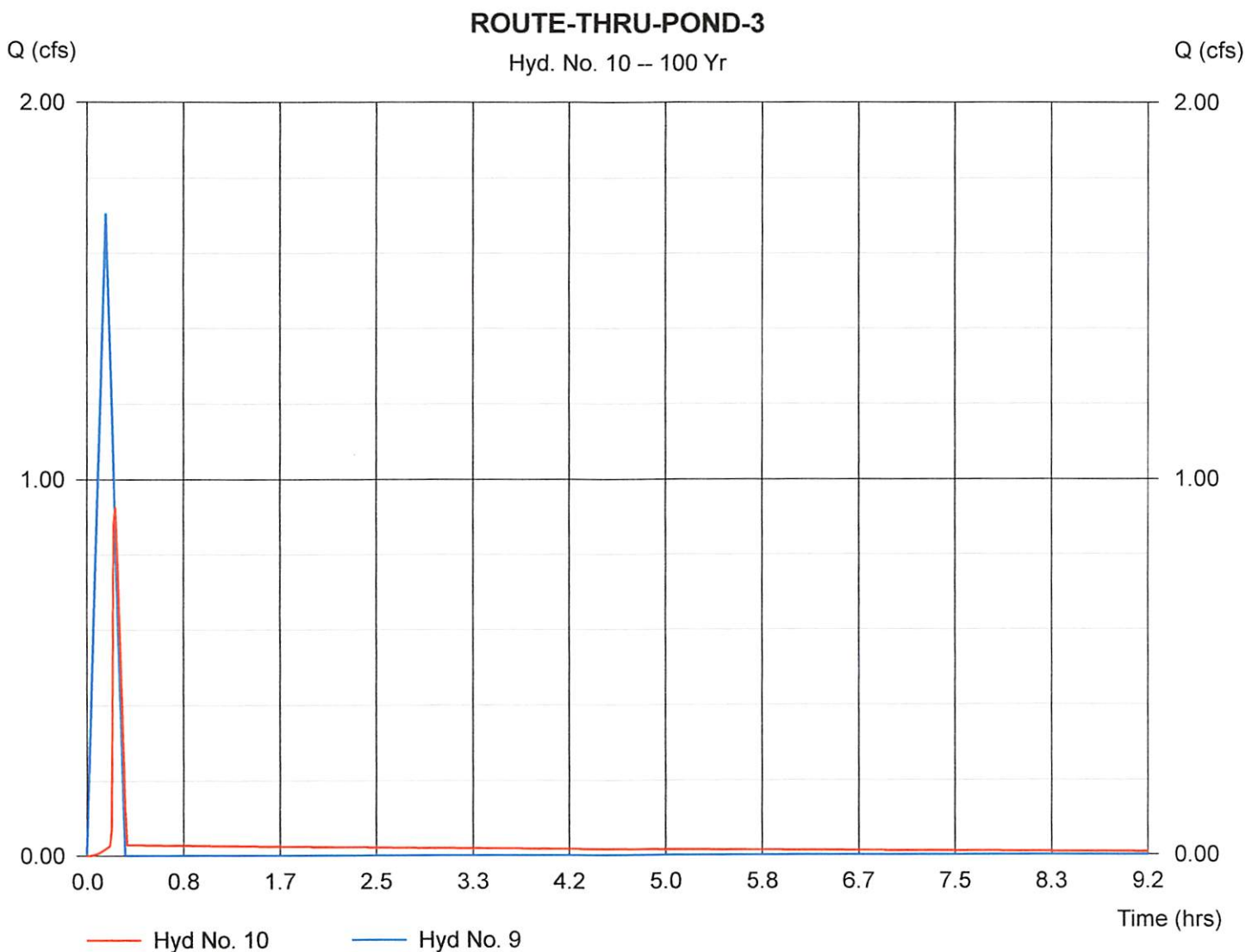
ROUTE-THRU-POND-3

Hydrograph type = Reservoir
Storm frequency = 100 yrs
Inflow hyd. No. = 9
Reservoir name = POND-3

Peak discharge = 0.93 cfs
Time interval = 1 min
Max. Elevation = 255.69 ft
Max. Storage = 803 cuft

Storage Indication method used.

Hydrograph Volume = 997 cuft



Pond Report

Hydraflow Hydrographs by Intelisolve

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Pond No. 3 - POND-3

Pond Data

Pond storage is based on known contour areas. Average end area method used.

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	254.00	162	0	0
2.00	256.00	789	951	951

Culvert / Orifice Structures

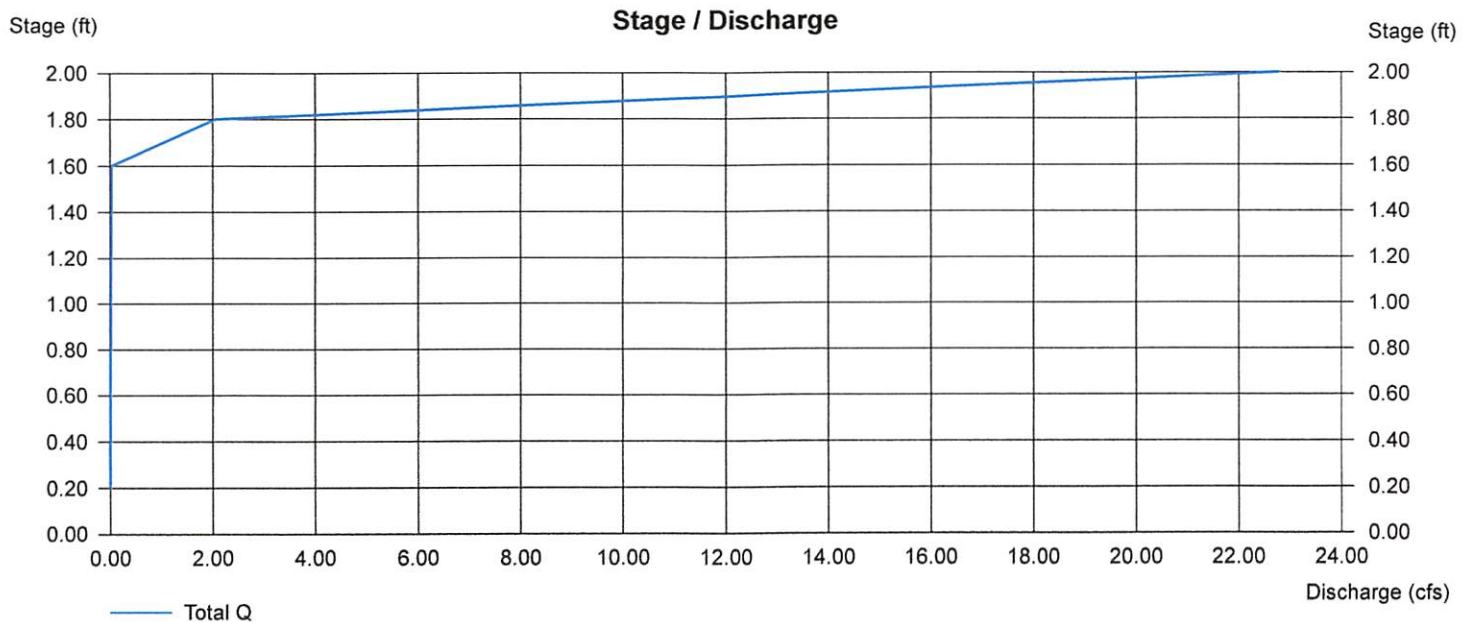
	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 70.00	0.00	0.00	0.00
Crest El. (ft)	= 255.75	0.00	0.00	0.00
Weir Coeff.	= 2.60	0.00	0.00	0.00
Weir Type	= Broad	---	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 2.000 in/hr (Contour) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.



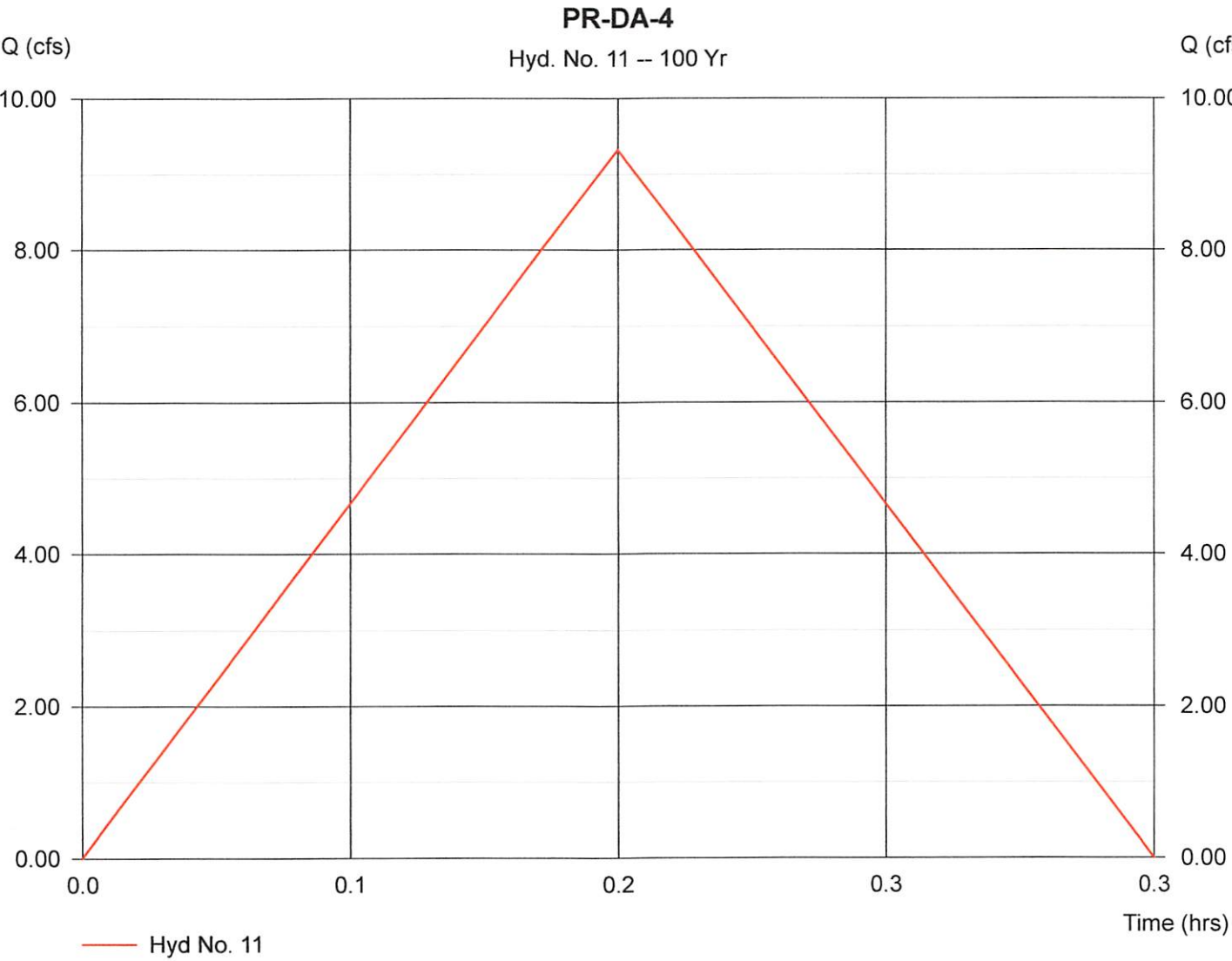
Hydrograph Plot

Hyd. No. 11

PR-DA-4

Hydrograph type	= Rational	Peak discharge	= 9.32 cfs
Storm frequency	= 100 yrs	Time interval	= 1 min
Drainage area	= 2.610 ac	Runoff coeff.	= 0.43
Intensity	= 8.307 in/hr	Tc by User	= 10.00 min
IDF Curve	= noaa-ct.IDF	Asc/Rec limb fact	= 1/1

Hydrograph Volume = 5,594 cuft



Hydrograph Plot

Hydraflow Hydrographs by Intelisolve

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Hyd. No. 12

PROP-SITE WITH PONDS

Hydrograph type = Combine
 Storm frequency = 100 yrs
 Inflow hyds. = 6, 8, 10, 11

Peak discharge = 9.37 cfs
 Time interval = 1 min

Hydrograph Volume = 8,879 cuft

