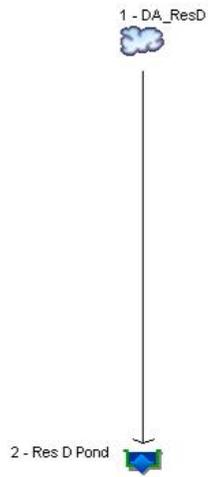


Watershed Model Schematic



Legend

<u>Hyd.</u>	<u>Origin</u>	<u>Description</u>
1	SCS Runoff	DA_ResD
2	Reservoir	Res D Pond

Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.02

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (acft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (acft)	Hydrograph description
1	SCS Runoff	16.76	2	724	1.417	----	-----	-----	DA_ResD
2	Reservoir	0.000	2	n/a	0.000	1	1252.36	1.42	Res D Pond
ResD_Pond.gpw					Return Period: 2 Year			Monday, Apr 23, 2007	

Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Monday, Apr 23, 2007

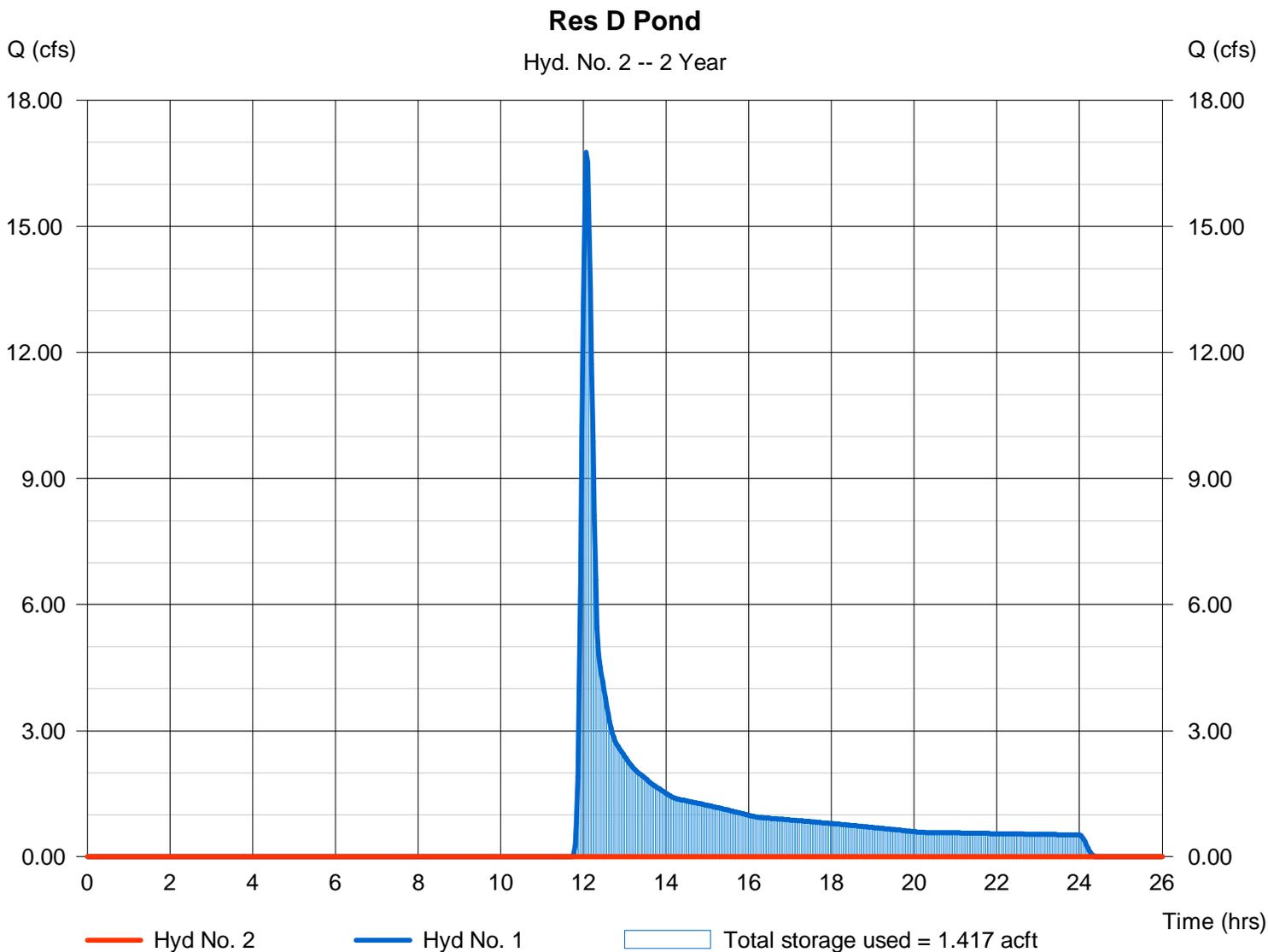
Hyd. No. 2

Res D Pond

Hydrograph type = Reservoir
 Storm frequency = 2 yrs
 Time interval = 2 min
 Inflow hyd. No. = 1 - DA_ResD
 Reservoir name = Res D

Peak discharge = 0.000 cfs
 Time to peak = n/a
 Hyd. volume = 0.000 acft
 Max. Elevation = 1252.36 ft
 Max. Storage = 1.417 acft

Storage Indication method used.



Pond No. 1 - Res D

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1252.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1252.00	166,522	0.000	0.000
2.00	1254.00	178,969	7.929	7.929
4.00	1256.00	193,828	8.555	16.484
6.00	1258.00	221,131	9.518	26.002
8.00	1260.00	265,716	11.160	37.162

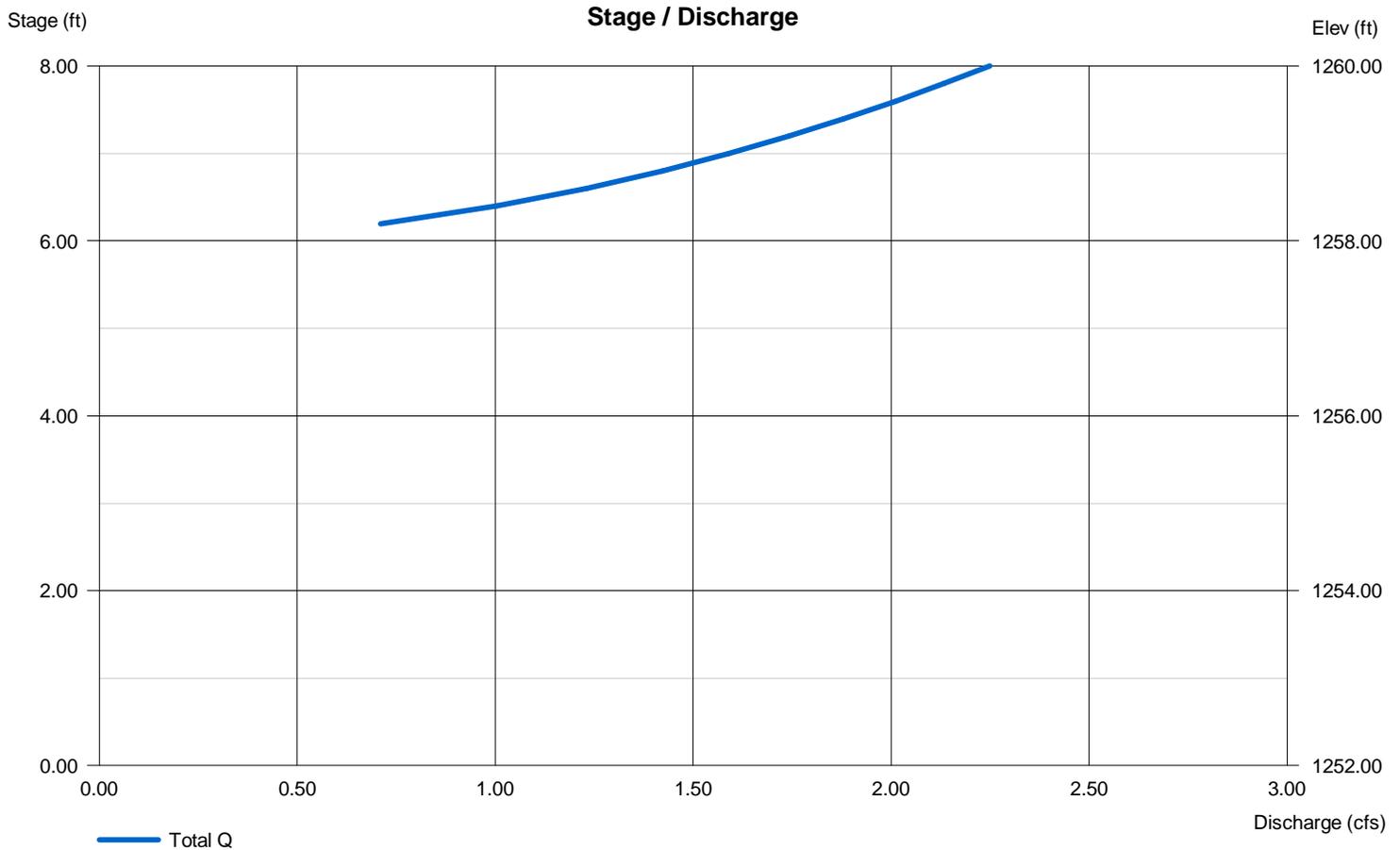
Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 15.00	0.00	0.00	0.00
Span (in)	= 15.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	0
Invert El. (ft)	= 1252.00	0.00	0.00	0.00
Length (ft)	= 1600.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
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.	= 3.33	3.33	3.33	3.33
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No
Exfil.(in/hr)	= 0.000 (by Contour)			
TW Elev. (ft)	= 1258.00			

Note: Culvert/Orifice outflows are analyzed under inlet and outlet control. Weir risers are checked for orifice conditions.



Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.02

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (acft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (acft)	Hydrograph description
1	SCS Runoff	39.57	2	724	2.809	----	-----	-----	DA_ResD
2	Reservoir	0.000	2	n/a	0.000	1	1252.71	2.81	Res D Pond
ResD_Pond.gpw					Return Period: 5 Year			Monday, Apr 23, 2007	

Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Monday, Apr 23, 2007

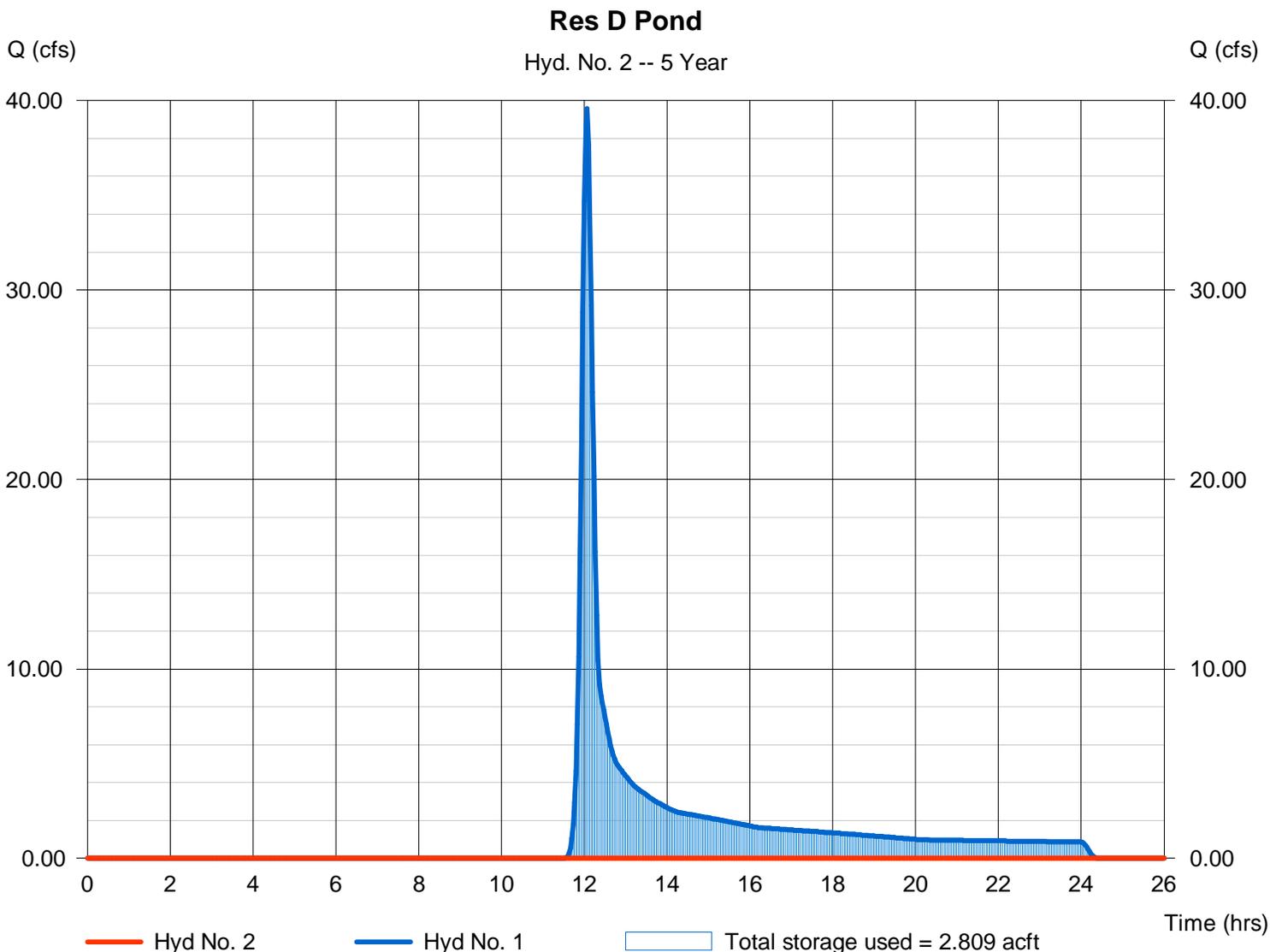
Hyd. No. 2

Res D Pond

Hydrograph type = Reservoir
 Storm frequency = 5 yrs
 Time interval = 2 min
 Inflow hyd. No. = 1 - DA_ResD
 Reservoir name = Res D

Peak discharge = 0.000 cfs
 Time to peak = n/a
 Hyd. volume = 0.000 acft
 Max. Elevation = 1252.71 ft
 Max. Storage = 2.809 acft

Storage Indication method used.



Pond Report

Pond No. 1 - Res D

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1252.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1252.00	166,522	0.000	0.000
2.00	1254.00	178,969	7.929	7.929
4.00	1256.00	193,828	8.555	16.484
6.00	1258.00	221,131	9.518	26.002
8.00	1260.00	265,716	11.160	37.162

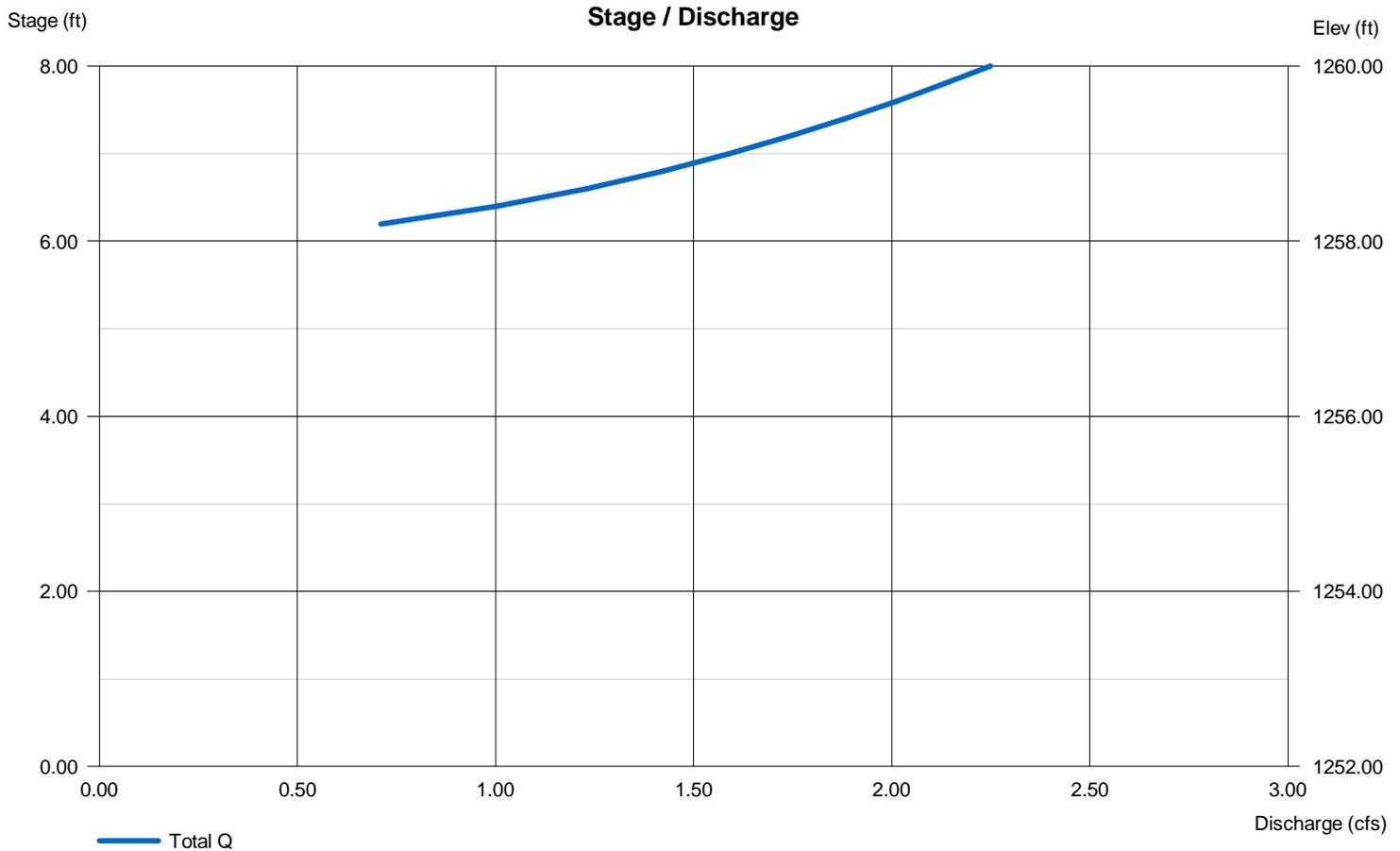
Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 15.00	0.00	0.00	0.00
Span (in)	= 15.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	0
Invert El. (ft)	= 1252.00	0.00	0.00	0.00
Length (ft)	= 1600.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
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.	= 3.33	3.33	3.33	3.33
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No
Exfil.(in/hr)	= 0.000 (by Contour)			
TW Elev. (ft)	= 1258.00			

Note: Culvert/Orifice outflows are analyzed under inlet and outlet control. Weir risers are checked for orifice conditions.



Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.02

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (acft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (acft)	Hydrograph description
1	SCS Runoff	53.76	2	724	3.688	----	-----	-----	DA_ResD
2	Reservoir	0.000	2	n/a	0.000	1	1252.93	3.69	Res D Pond
ResD_Pond.gpw					Return Period: 10 Year			Monday, Apr 23, 2007	

Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Monday, Apr 23, 2007

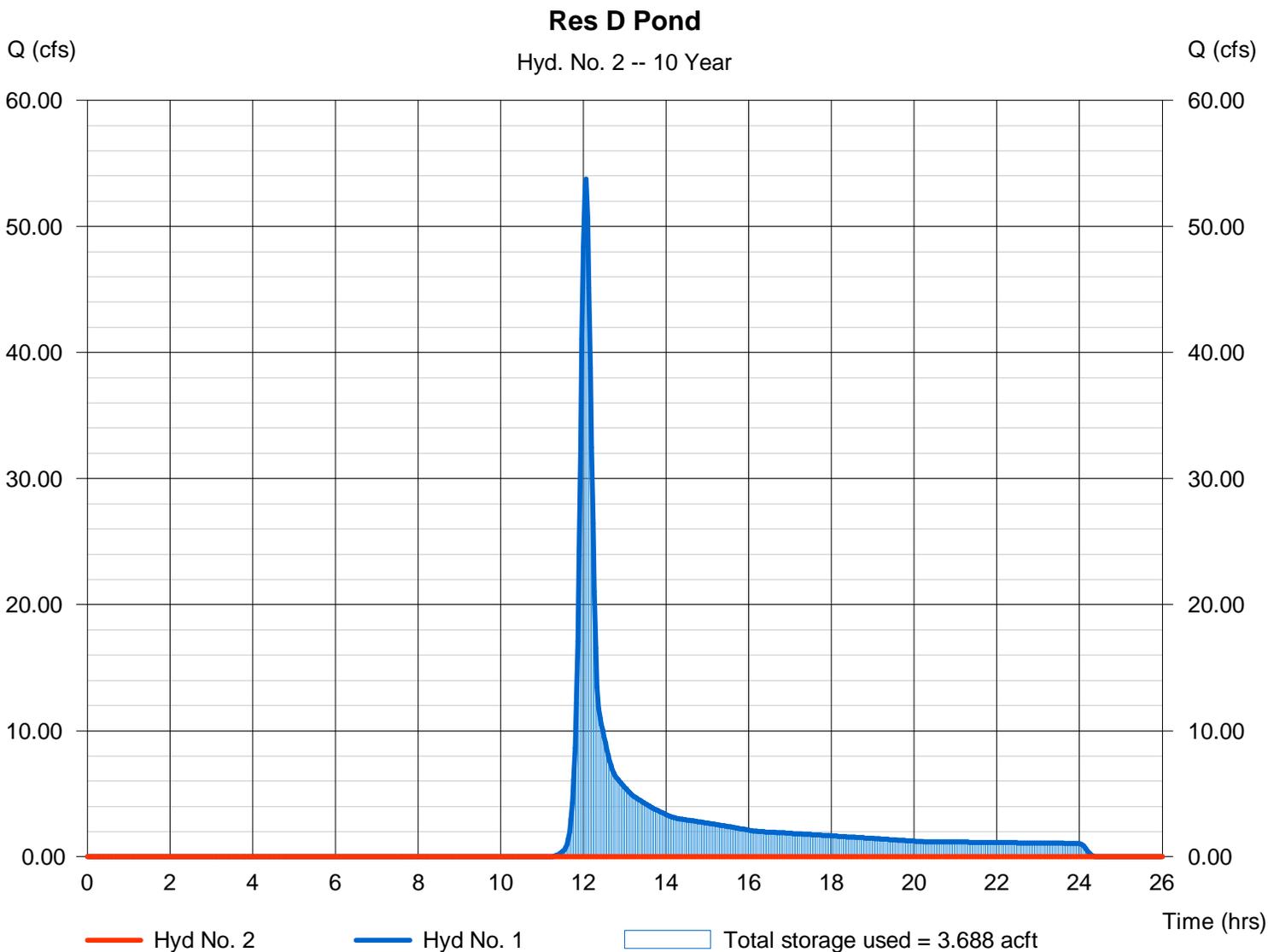
Hyd. No. 2

Res D Pond

Hydrograph type = Reservoir
 Storm frequency = 10 yrs
 Time interval = 2 min
 Inflow hyd. No. = 1 - DA_ResD
 Reservoir name = Res D

Peak discharge = 0.000 cfs
 Time to peak = n/a
 Hyd. volume = 0.000 acft
 Max. Elevation = 1252.93 ft
 Max. Storage = 3.688 acft

Storage Indication method used.



Pond No. 1 - Res D

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1252.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1252.00	166,522	0.000	0.000
2.00	1254.00	178,969	7.929	7.929
4.00	1256.00	193,828	8.555	16.484
6.00	1258.00	221,131	9.518	26.002
8.00	1260.00	265,716	11.160	37.162

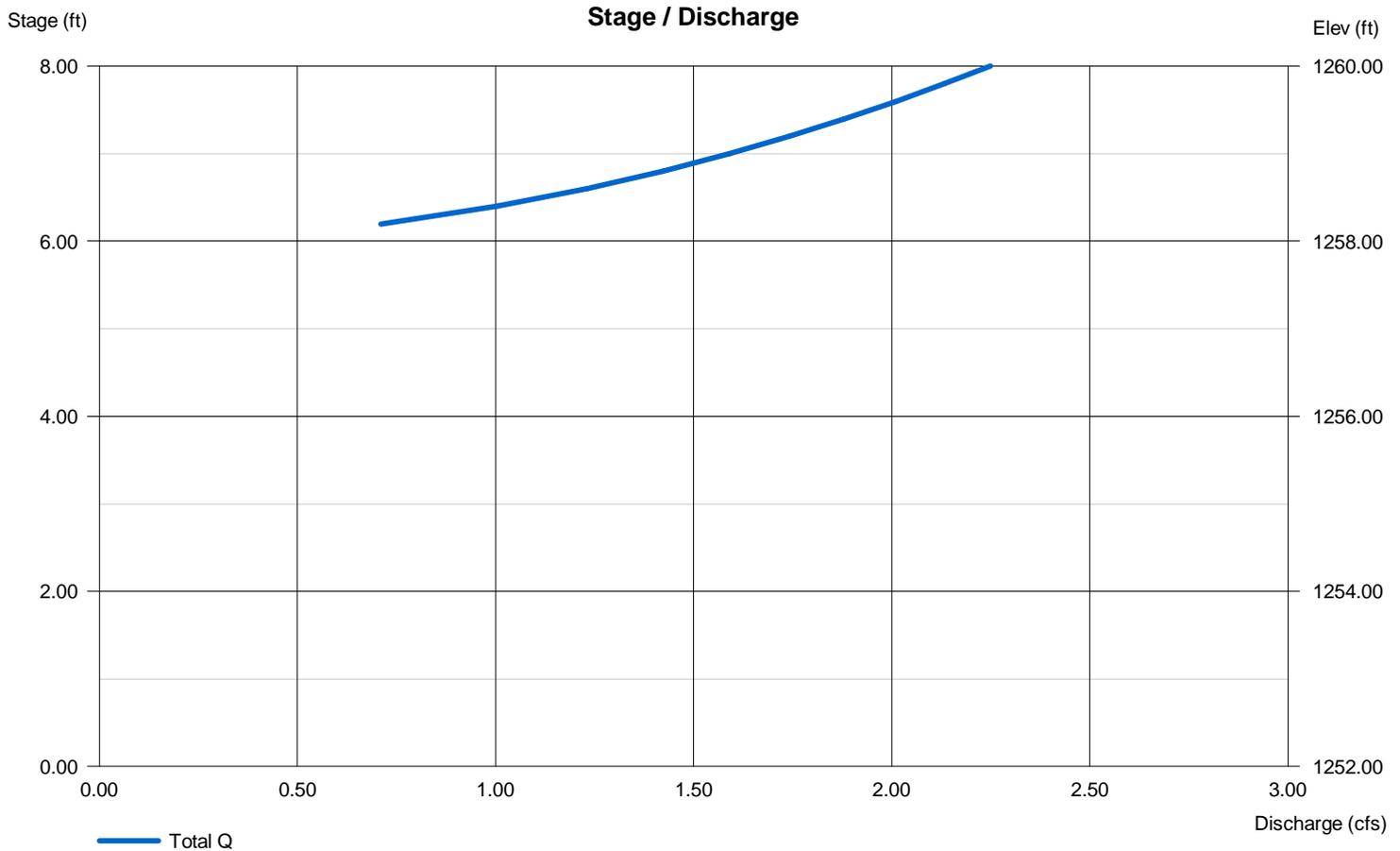
Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 15.00	0.00	0.00	0.00
Span (in)	= 15.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	0
Invert El. (ft)	= 1252.00	0.00	0.00	0.00
Length (ft)	= 1600.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
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.	= 3.33	3.33	3.33	3.33
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No
Exfil.(in/hr)	= 0.000 (by Contour)			
TW Elev. (ft)	= 1258.00			

Note: Culvert/Orifice outflows are analyzed under inlet and outlet control. Weir risers are checked for orifice conditions.



Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.02

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (acft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (acft)	Hydrograph description
1	SCS Runoff	76.76	2	724	5.128	----	-----	-----	DA_ResD
2	Reservoir	0.000	2	n/a	0.000	1	1253.29	5.13	Res D Pond
ResD_Pond.gpw					Return Period: 25 Year			Monday, Apr 23, 2007	

Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Monday, Apr 23, 2007

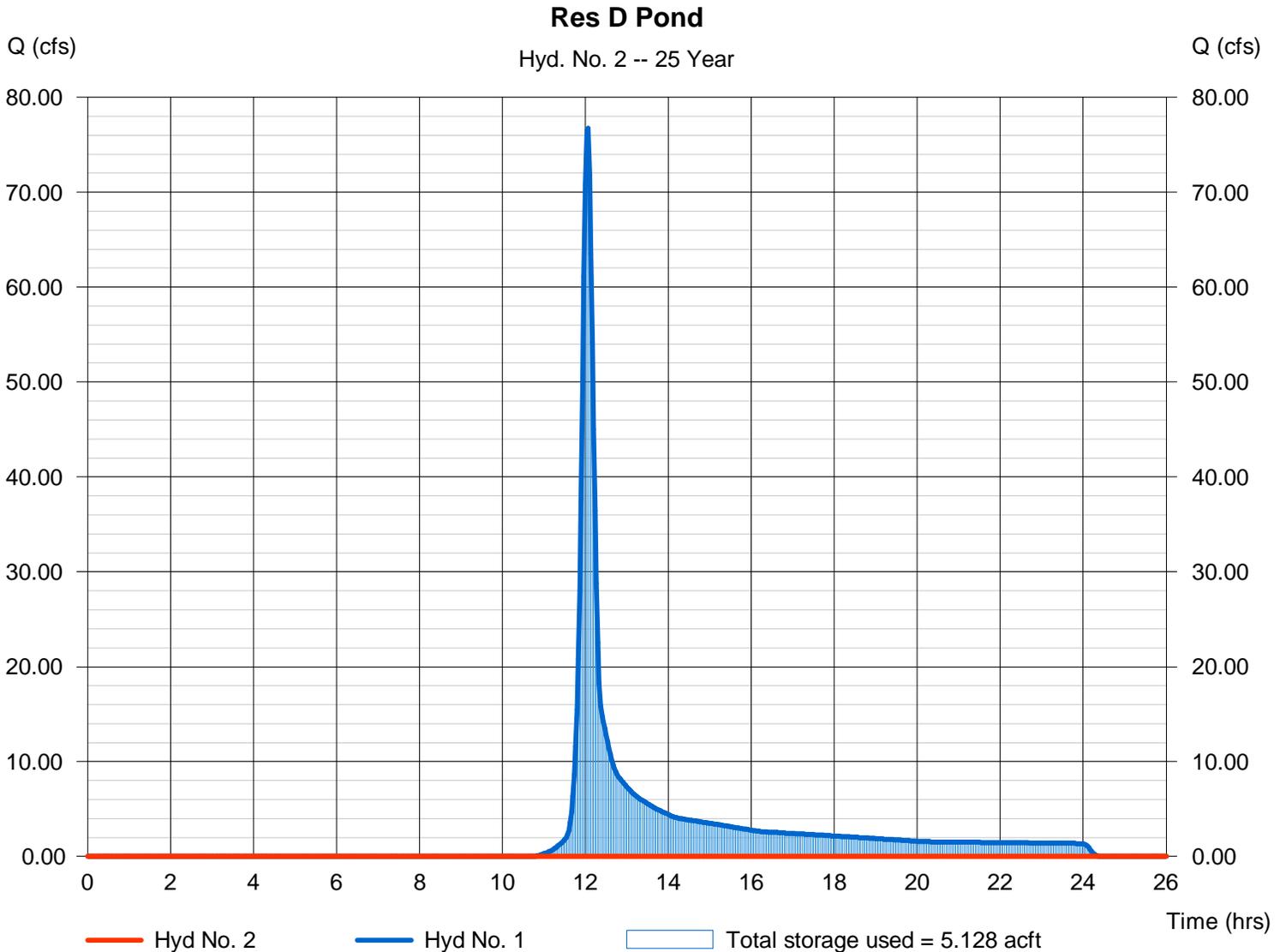
Hyd. No. 2

Res D Pond

Hydrograph type = Reservoir
Storm frequency = 25 yrs
Time interval = 2 min
Inflow hyd. No. = 1 - DA_ResD
Reservoir name = Res D

Peak discharge = 0.000 cfs
Time to peak = n/a
Hyd. volume = 0.000 acft
Max. Elevation = 1253.29 ft
Max. Storage = 5.128 acft

Storage Indication method used.



Pond No. 1 - Res D

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1252.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1252.00	166,522	0.000	0.000
2.00	1254.00	178,969	7.929	7.929
4.00	1256.00	193,828	8.555	16.484
6.00	1258.00	221,131	9.518	26.002
8.00	1260.00	265,716	11.160	37.162

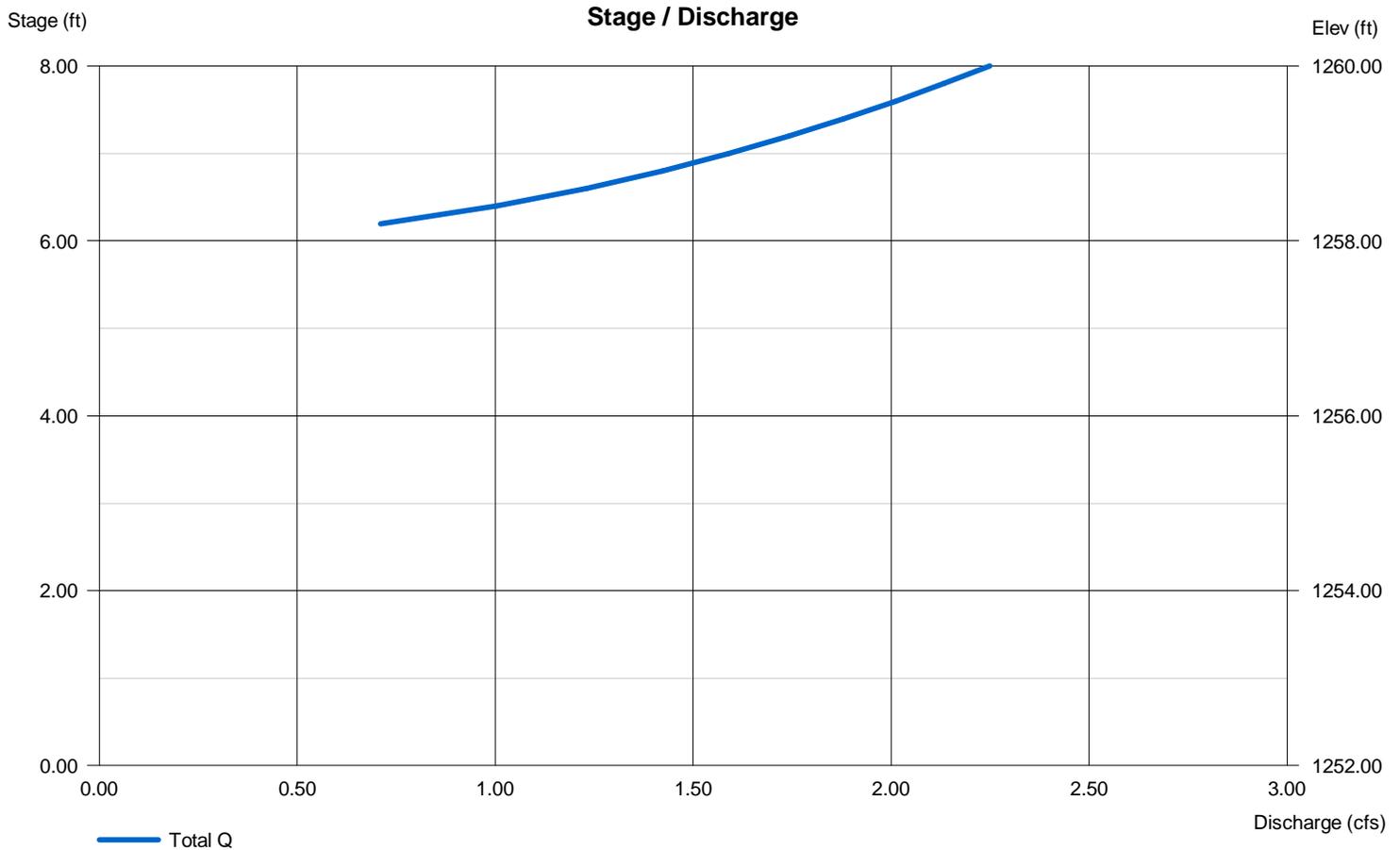
Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 15.00	0.00	0.00	0.00
Span (in)	= 15.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	0
Invert El. (ft)	= 1252.00	0.00	0.00	0.00
Length (ft)	= 1600.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
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.	= 3.33	3.33	3.33	3.33
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No
Exfil.(in/hr)	= 0.000 (by Contour)			
TW Elev. (ft)	= 1258.00			

Note: Culvert/Orifice outflows are analyzed under inlet and outlet control. Weir risers are checked for orifice conditions.



Hydrograph Summary Report

Hydraflow Hydrographs by Intelisolve v9.02

Hyd. No.	Hydrograph type (origin)	Peak flow (cfs)	Time interval (min)	Time to peak (min)	Hyd. volume (acft)	Inflow hyd(s)	Maximum elevation (ft)	Total strge used (acft)	Hydrograph description
1	SCS Runoff	125.08	2	722	8.147	----	-----	-----	DA_ResD
2	Reservoir	0.000	2	n/a	0.000	1	1254.05	8.15	Res D Pond
ResD_Pond.gpw					Return Period: 100 Year			Monday, Apr 23, 2007	

Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Monday, Apr 23, 2007

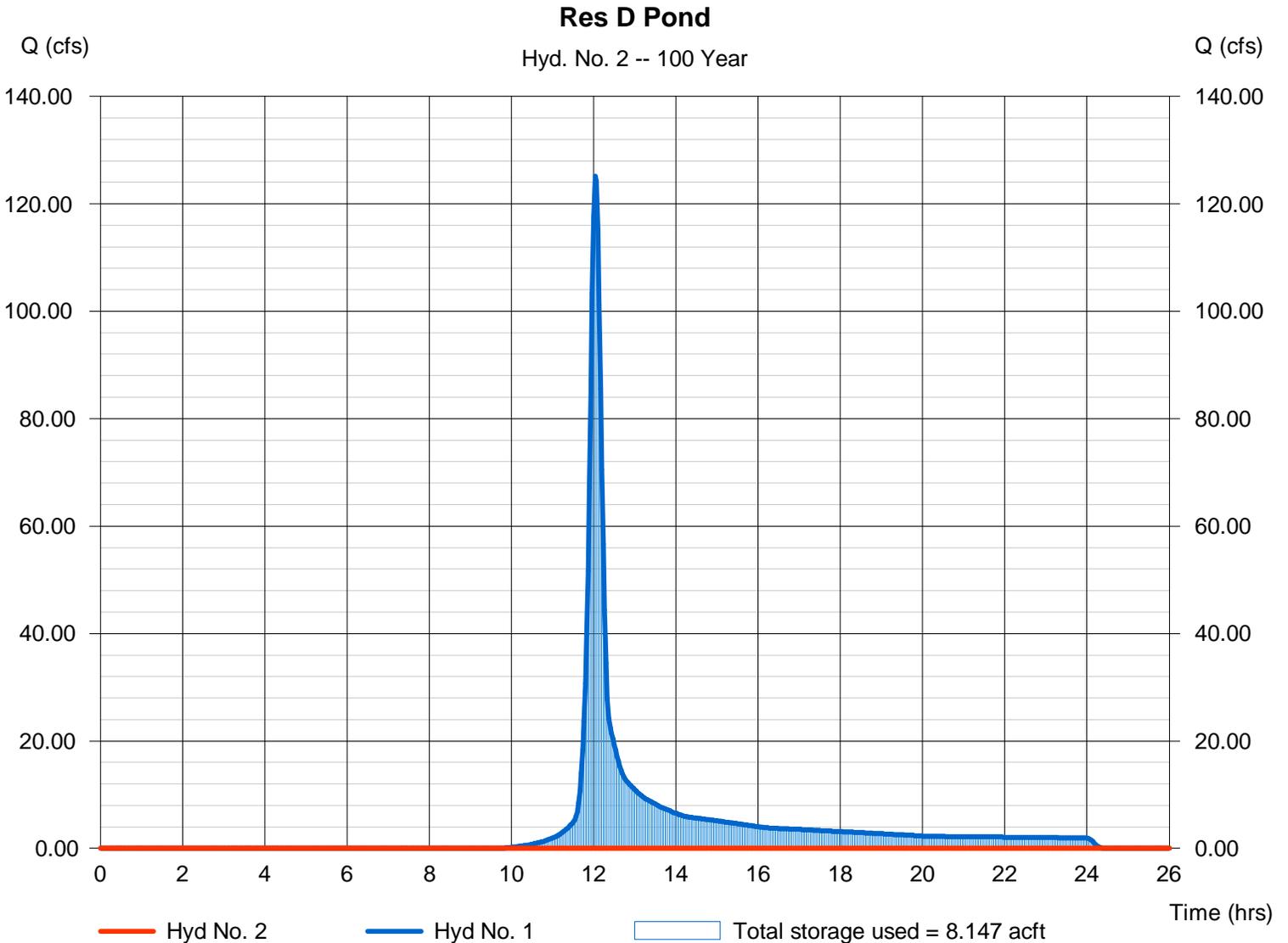
Hyd. No. 2

Res D Pond

Hydrograph type = Reservoir
Storm frequency = 100 yrs
Time interval = 2 min
Inflow hyd. No. = 1 - DA_ResD
Reservoir name = Res D

Peak discharge = 0.000 cfs
Time to peak = n/a
Hyd. volume = 0.000 acft
Max. Elevation = 1254.05 ft
Max. Storage = 8.147 acft

Storage Indication method used.



Pond No. 1 - Res D

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1252.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1252.00	166,522	0.000	0.000
2.00	1254.00	178,969	7.929	7.929
4.00	1256.00	193,828	8.555	16.484
6.00	1258.00	221,131	9.518	26.002
8.00	1260.00	265,716	11.160	37.162

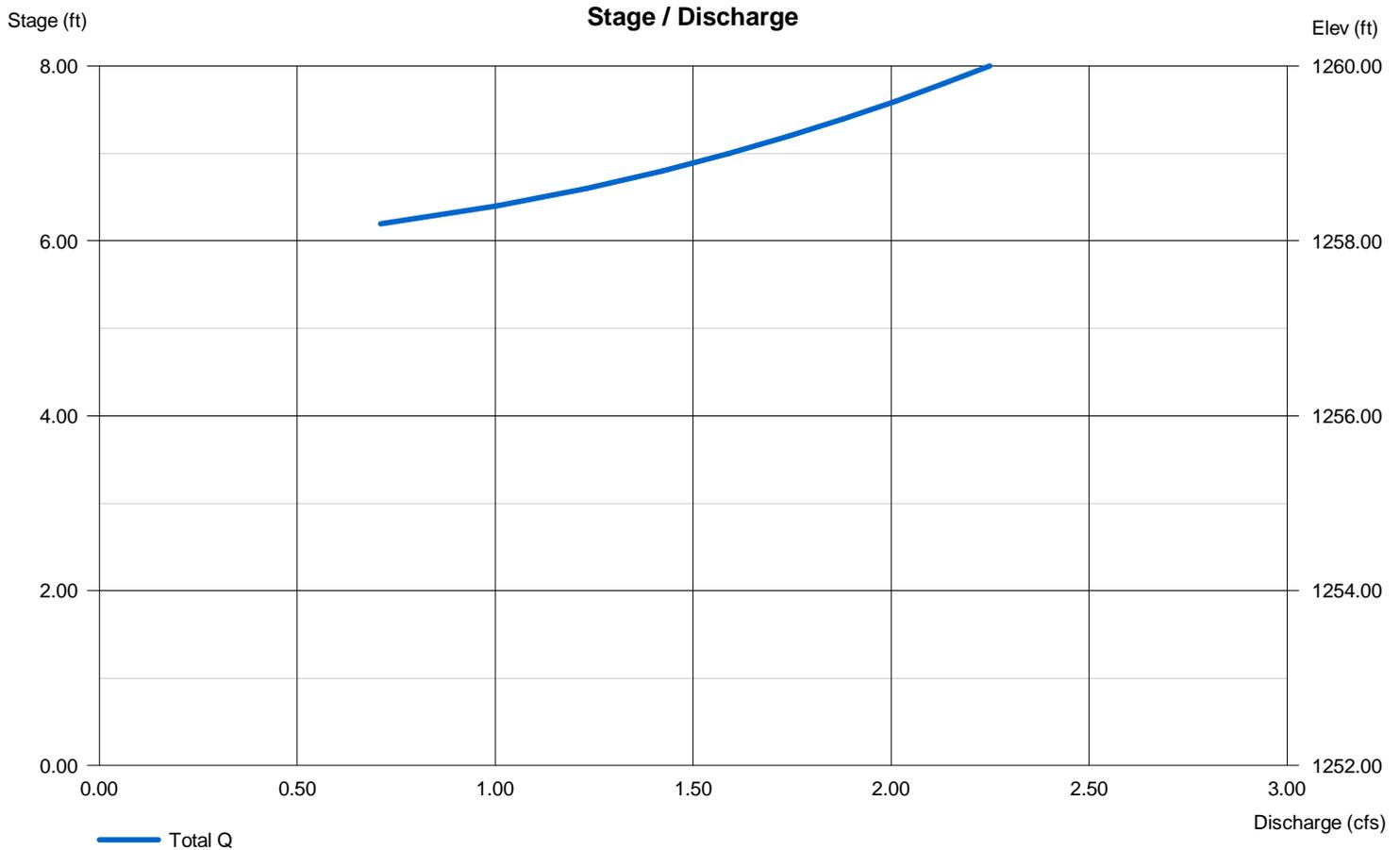
Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 15.00	0.00	0.00	0.00
Span (in)	= 15.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	0
Invert El. (ft)	= 1252.00	0.00	0.00	0.00
Length (ft)	= 1600.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	n/a
N-Value	= .013	.013	.013	n/a
Orifice Coeff.	= 0.60	0.60	0.60	0.60
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.	= 3.33	3.33	3.33	3.33
Weir Type	= ---	---	---	---
Multi-Stage	= No	No	No	No
Exfil.(in/hr)	= 0.000 (by Contour)			
TW Elev. (ft)	= 1258.00			

Note: Culvert/Orifice outflows are analyzed under inlet and outlet control. Weir risers are checked for orifice conditions.



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