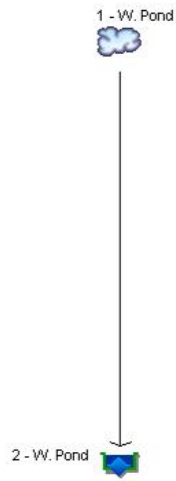


Watershed Model Schematic



Legend

<u>Hyd.</u>	<u>Origin</u>	<u>Description</u>
1	SCS Runoff	W. Pond
2	Reservoir	W. 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	11.78	2	724	0.996	----	-----	-----	W. Pond
2	Reservoir	0.000	2	n/a	0.000	1	1251.40	0.996	W. Pond
West_Pond.gpw					Return Period: 2 Year			Monday, Apr 23, 2007	

Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Monday, Apr 23, 2007

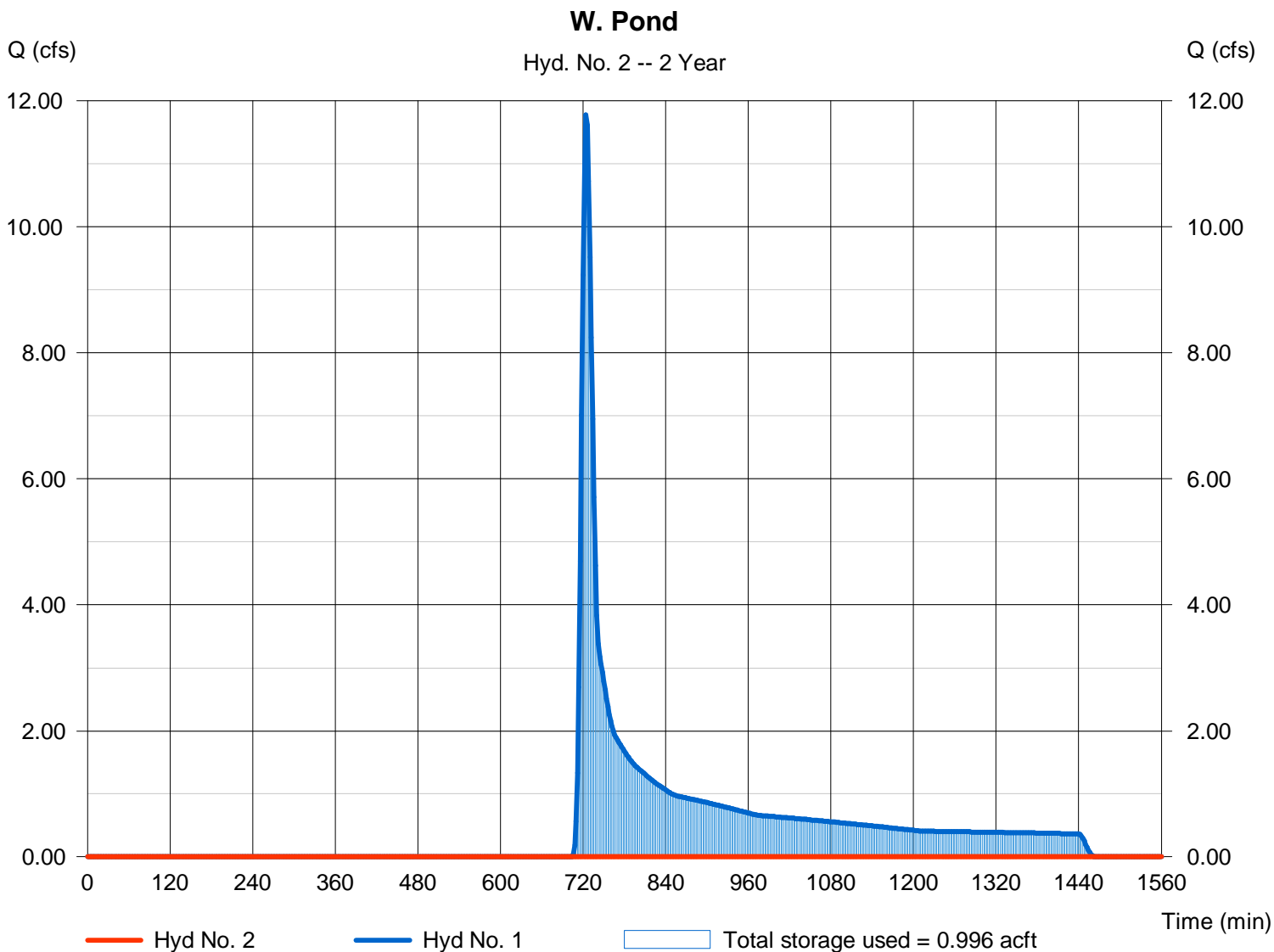
Hyd. No. 2

W. Pond

Hydrograph type = Reservoir
 Storm frequency = 2 yrs
 Time interval = 2 min
 Inflow hyd. No. = 1 - W. Pond
 Reservoir name = W. Pond

Peak discharge = 0.000 cfs
 Time to peak = n/a
 Hyd. volume = 0.000 acft
 Max. Elevation = 1251.40 ft
 Max. Storage = 0.996 acft

Storage Indication method used.



Pond No. 1 - W. Pond

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1250.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1250.00	23,789	0.000	0.000
2.00	1252.00	38,671	1.420	1.420
4.00	1254.00	42,976	1.873	3.293
6.00	1256.00	47,613	2.079	5.372
8.00	1258.00	52,472	2.297	7.668
10.00	1260.00	54,000	2.444	10.112

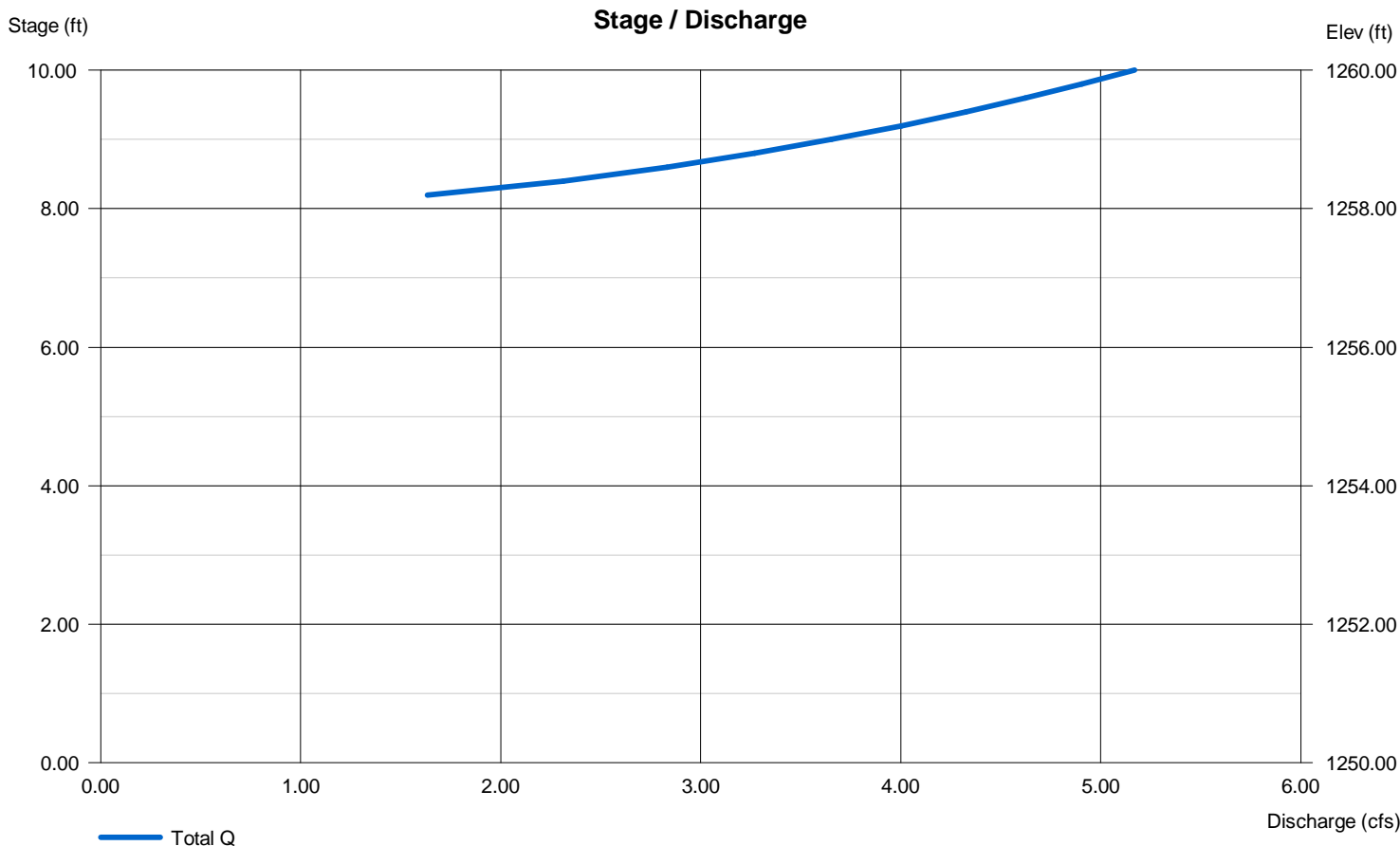
Culvert / Orifice Structures

	[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)	= 1250.00	0.00	0.00	0.00
Length (ft)	= 250.00	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 Wet area)		
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	27.81	2	724	1.974	----	-----	-----	W. Pond
2	Reservoir	0.000	2	n/a	0.000	1	1252.59	1.97	W. Pond
West_Pond.gpw					Return Period: 5 Year			Monday, Apr 23, 2007	

Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Monday, Apr 23, 2007

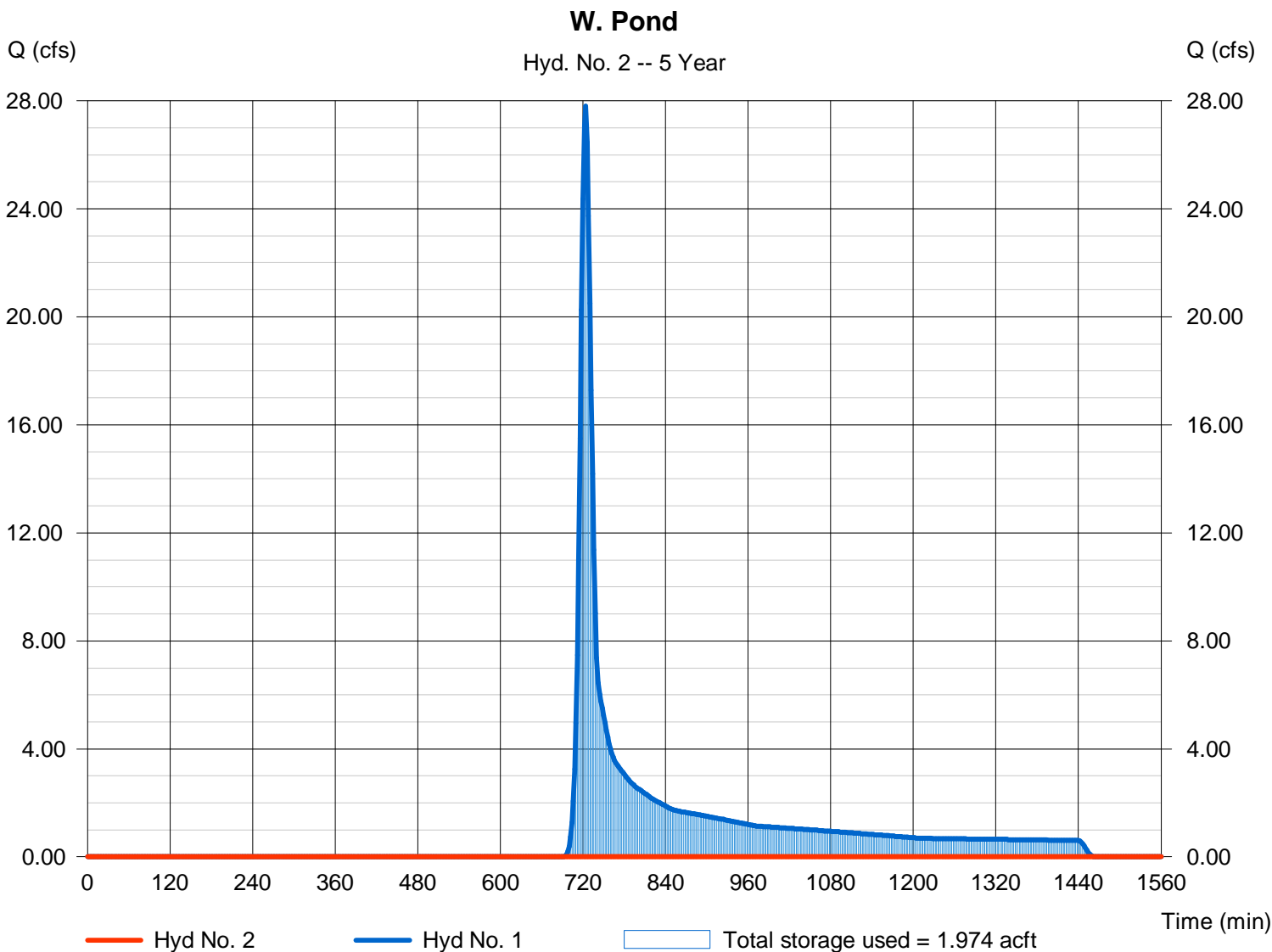
Hyd. No. 2

W. Pond

Hydrograph type = Reservoir
 Storm frequency = 5 yrs
 Time interval = 2 min
 Inflow hyd. No. = 1 - W. Pond
 Reservoir name = W. Pond

Peak discharge = 0.000 cfs
 Time to peak = n/a
 Hyd. volume = 0.000 acft
 Max. Elevation = 1252.59 ft
 Max. Storage = 1.974 acft

Storage Indication method used.



Pond No. 1 - W. Pond

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1250.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1250.00	23,789	0.000	0.000
2.00	1252.00	38,671	1.420	1.420
4.00	1254.00	42,976	1.873	3.293
6.00	1256.00	47,613	2.079	5.372
8.00	1258.00	52,472	2.297	7.668
10.00	1260.00	54,000	2.444	10.112

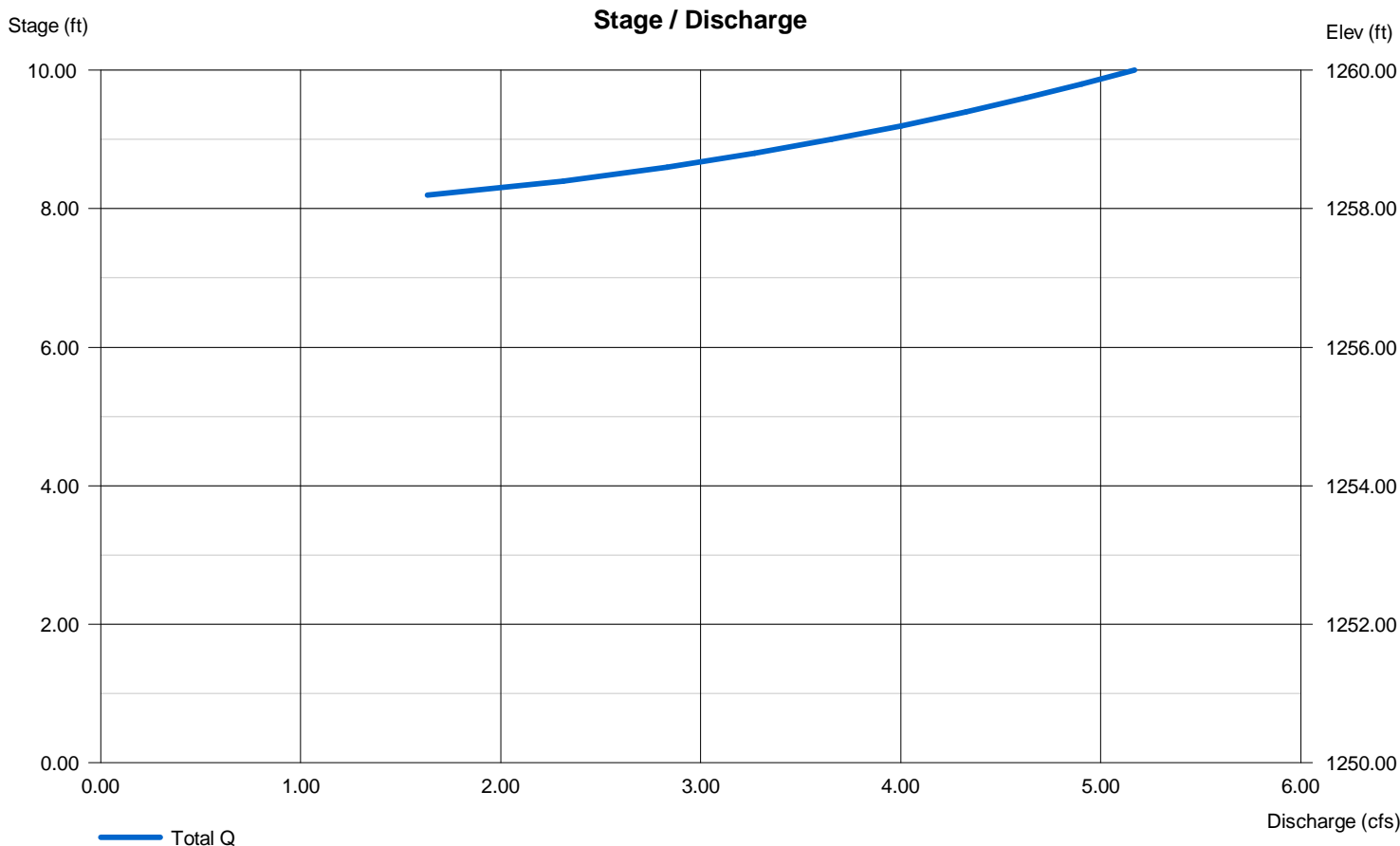
Culvert / Orifice Structures

	[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)	= 1250.00	0.00	0.00	0.00
Length (ft)	= 250.00	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 Wet area)		
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	37.78	2	724	2.592	----	-----	-----	W. Pond
2	Reservoir	0.000	2	n/a	0.000	1	1253.25	2.59	W. Pond
West_Pond.gpw					Return Period: 10 Year			Monday, Apr 23, 2007	

Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Monday, Apr 23, 2007

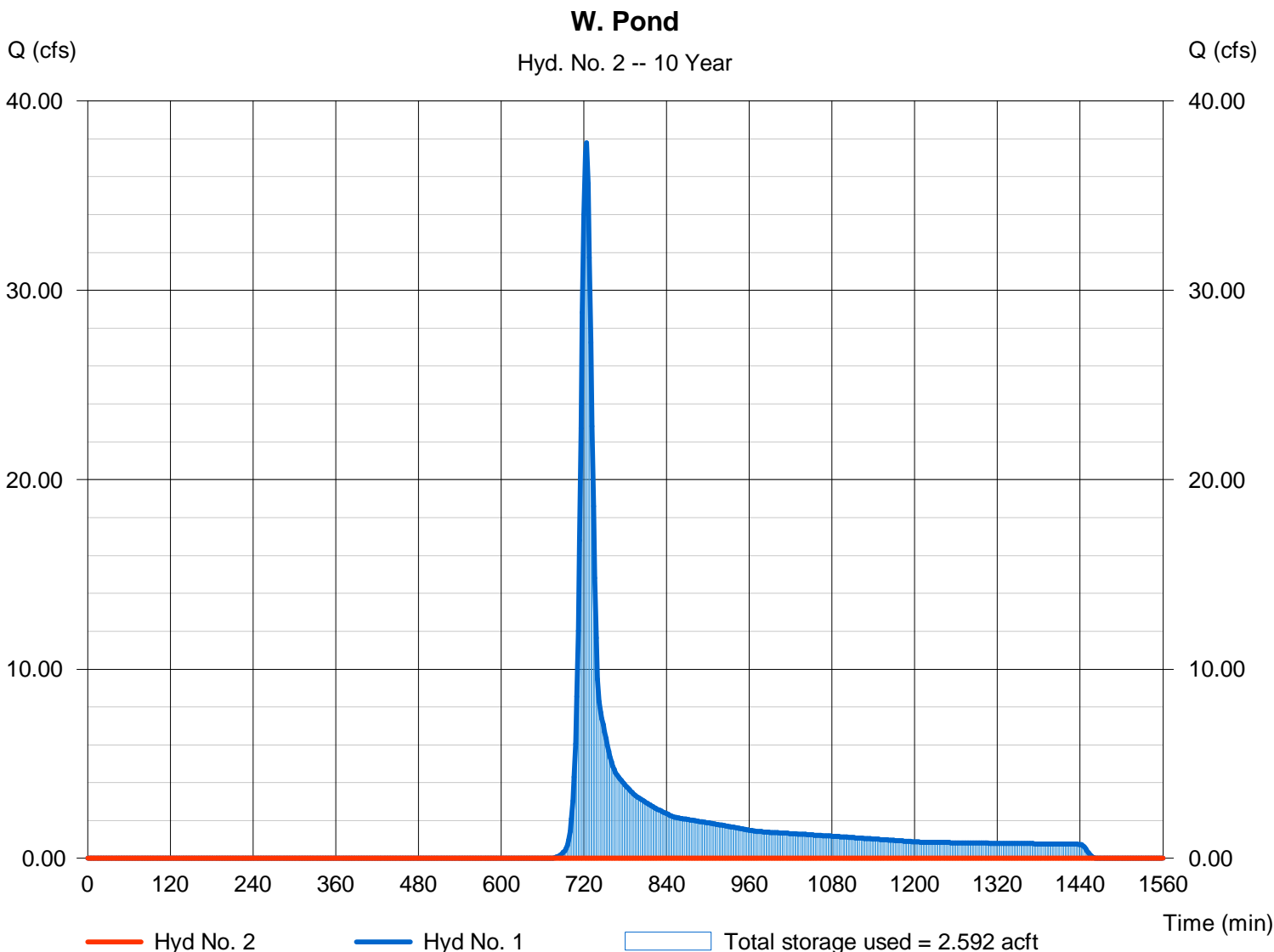
Hyd. No. 2

W. Pond

Hydrograph type = Reservoir
 Storm frequency = 10 yrs
 Time interval = 2 min
 Inflow hyd. No. = 1 - W. Pond
 Reservoir name = W. Pond

Peak discharge = 0.000 cfs
 Time to peak = n/a
 Hyd. volume = 0.000 acft
 Max. Elevation = 1253.25 ft
 Max. Storage = 2.592 acft

Storage Indication method used.



Pond No. 1 - W. Pond

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1250.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1250.00	23,789	0.000	0.000
2.00	1252.00	38,671	1.420	1.420
4.00	1254.00	42,976	1.873	3.293
6.00	1256.00	47,613	2.079	5.372
8.00	1258.00	52,472	2.297	7.668
10.00	1260.00	54,000	2.444	10.112

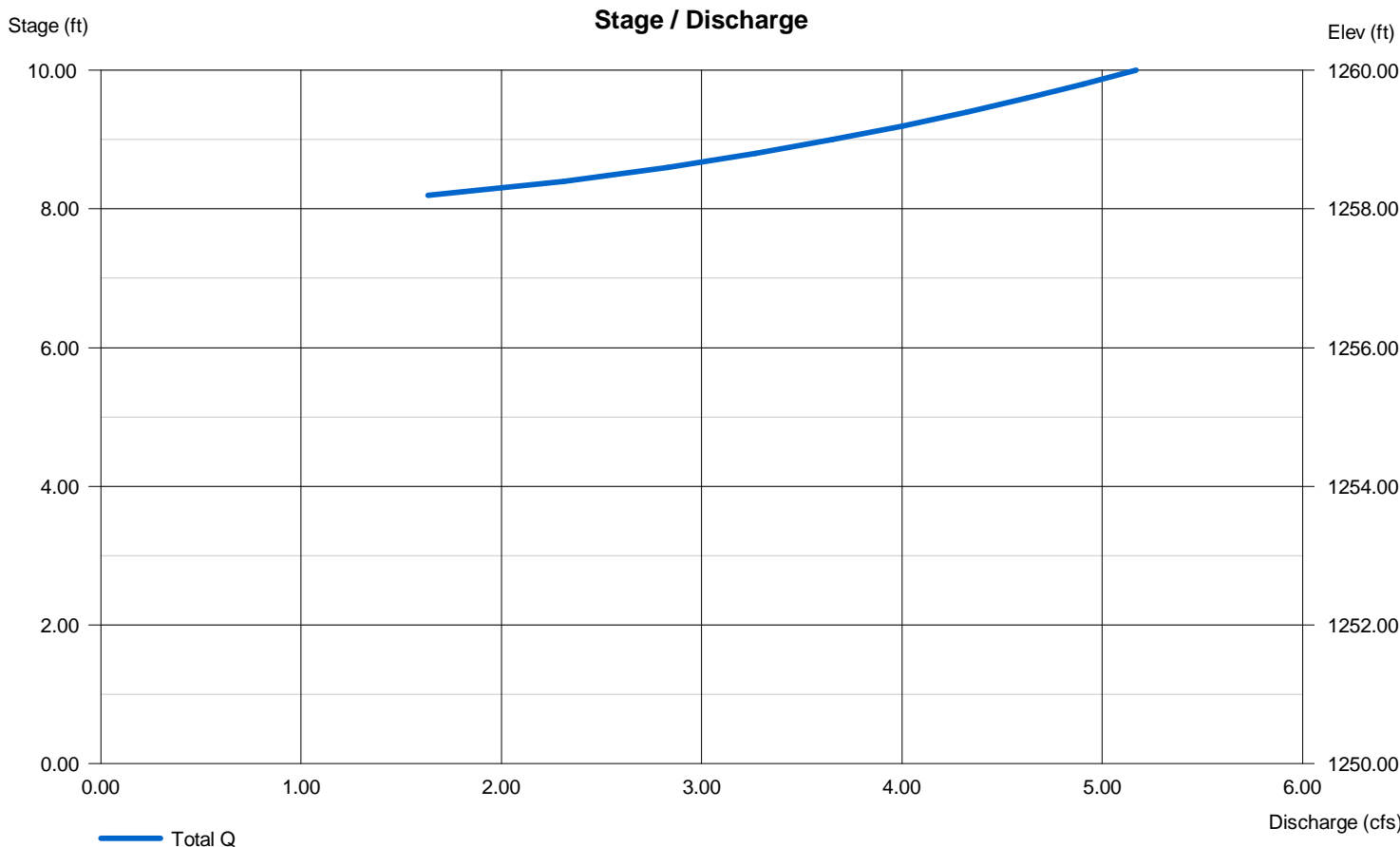
Culvert / Orifice Structures

	[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)	= 1250.00	0.00	0.00	0.00
Length (ft)	= 250.00	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 Wet area)		
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	53.95	2	724	3.604	----	-----	-----	W. Pond
2	Reservoir	0.000	2	n/a	0.000	1	1254.30	3.60	W. Pond
West_Pond.gpw					Return Period: 25 Year			Monday, Apr 23, 2007	

Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Monday, Apr 23, 2007

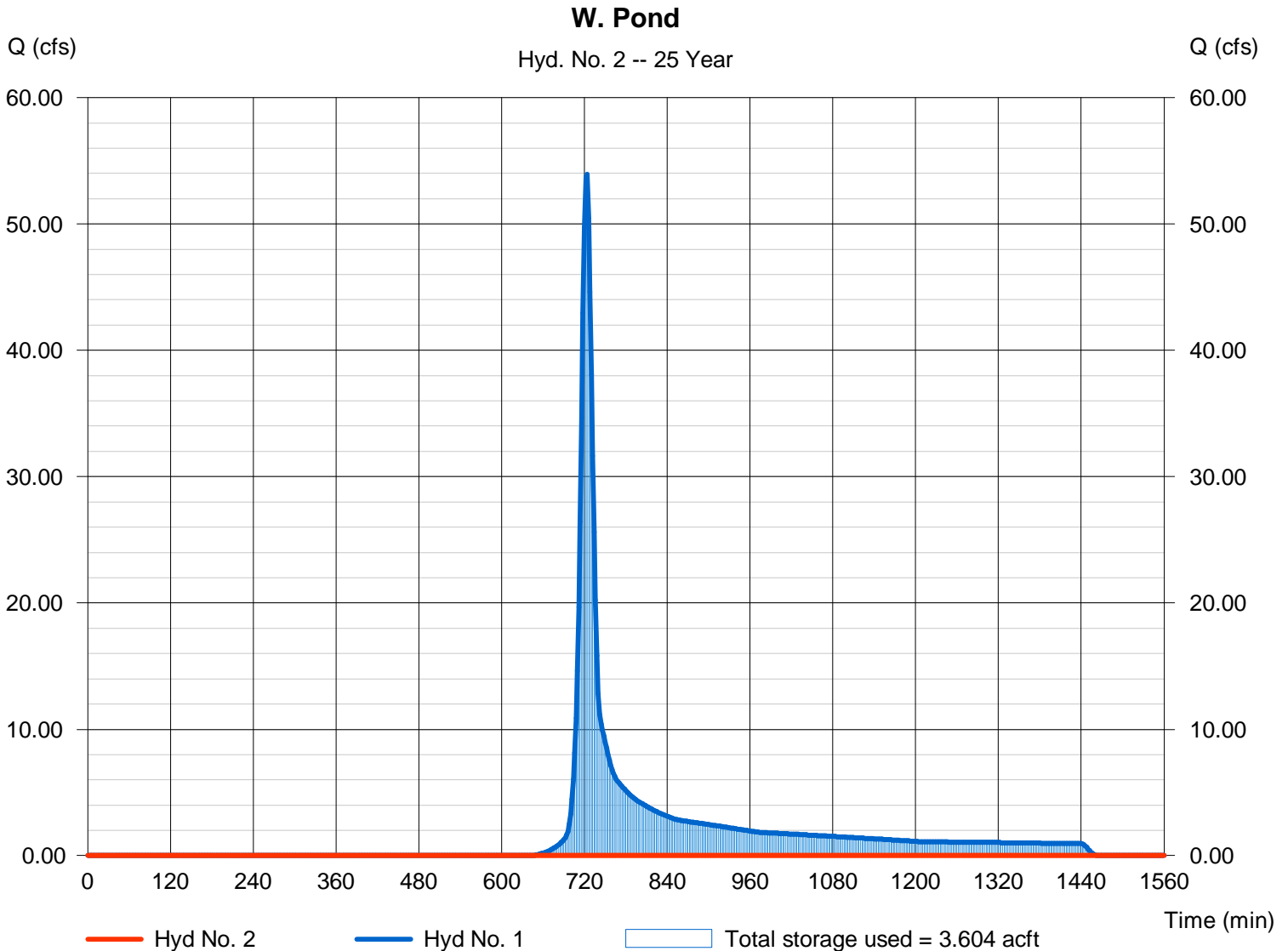
Hyd. No. 2

W. Pond

Hydrograph type = Reservoir
Storm frequency = 25 yrs
Time interval = 2 min
Inflow hyd. No. = 1 - W. Pond
Reservoir name = W. Pond

Peak discharge = 0.000 cfs
Time to peak = n/a
Hyd. volume = 0.000 acft
Max. Elevation = 1254.30 ft
Max. Storage = 3.604 acft

Storage Indication method used.



Pond No. 1 - W. Pond

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1250.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1250.00	23,789	0.000	0.000
2.00	1252.00	38,671	1.420	1.420
4.00	1254.00	42,976	1.873	3.293
6.00	1256.00	47,613	2.079	5.372
8.00	1258.00	52,472	2.297	7.668
10.00	1260.00	54,000	2.444	10.112

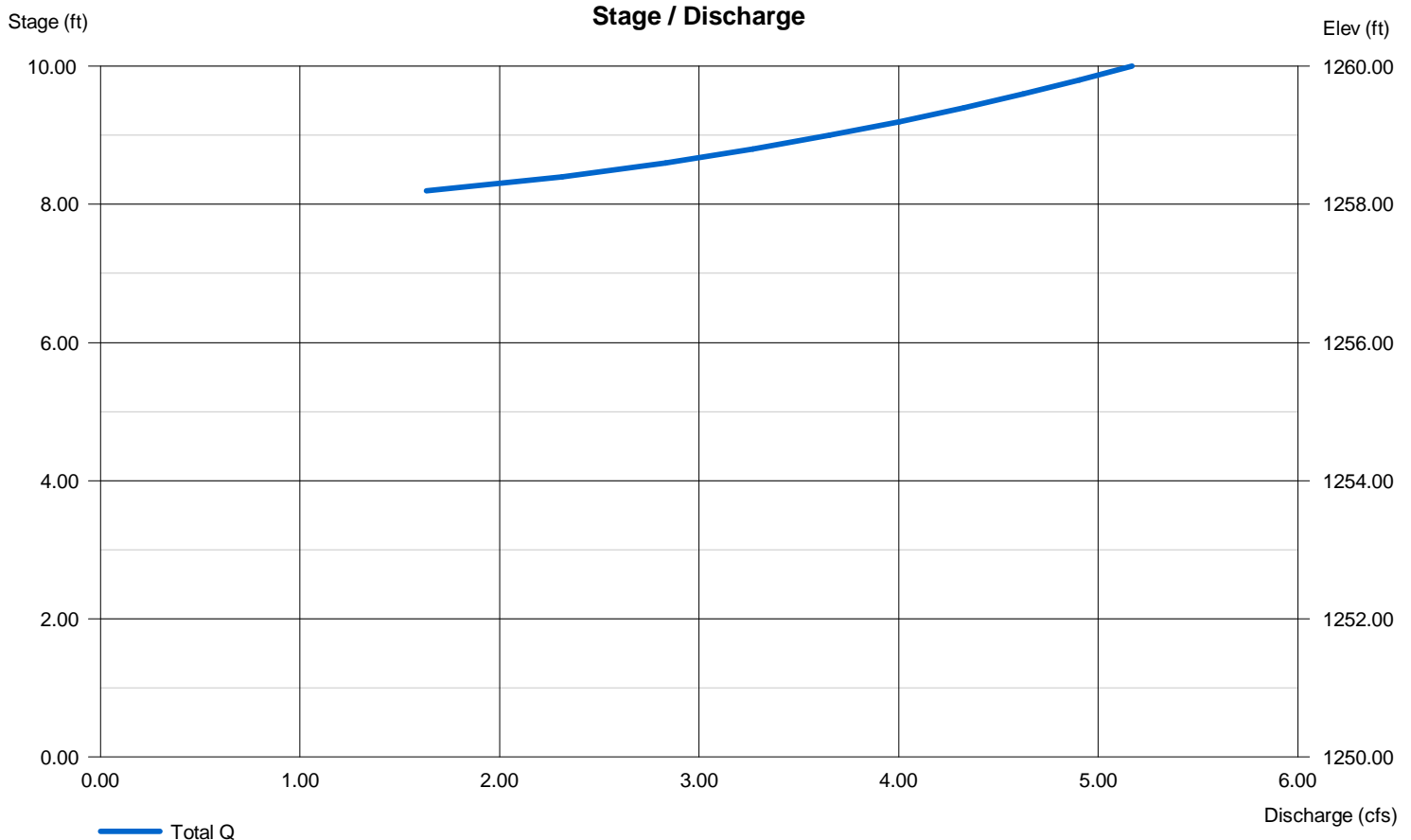
Culvert / Orifice Structures

	[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)	= 1250.00	0.00	0.00	0.00
Length (ft)	= 250.00	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 Wet area)		
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	87.91	2	722	5.726	----	-----	-----	W. Pond
2	Reservoir	0.000	2	n/a	0.000	1	1256.31	5.73	W. Pond
West_Pond.gpw					Return Period: 100 Year			Monday, Apr 23, 2007	

Hydrograph Report

Hydraflow Hydrographs by Intelisolve v9.02

Monday, Apr 23, 2007

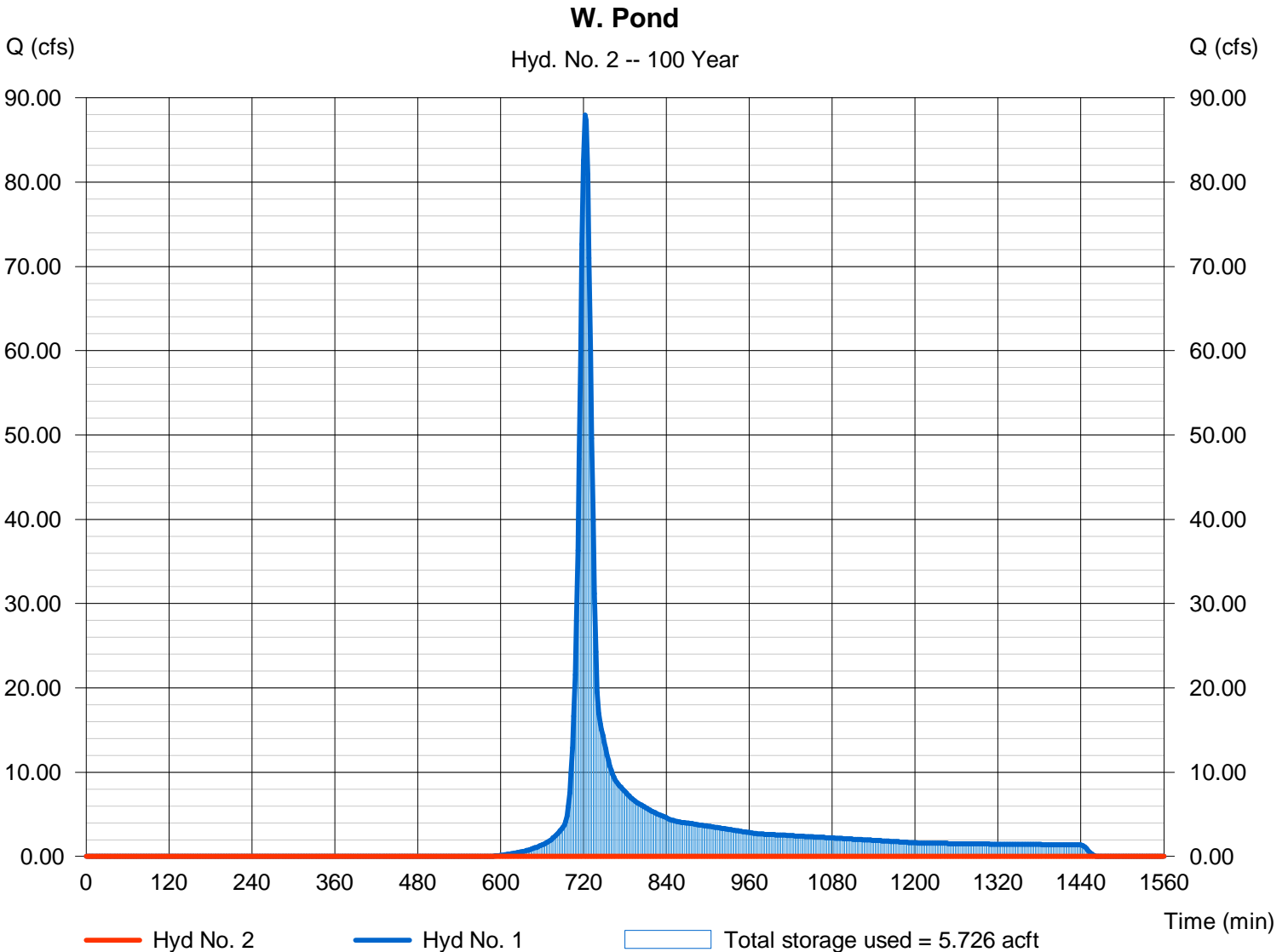
Hyd. No. 2

W. Pond

Hydrograph type = Reservoir
Storm frequency = 100 yrs
Time interval = 2 min
Inflow hyd. No. = 1 - W. Pond
Reservoir name = W. Pond

Peak discharge = 0.000 cfs
Time to peak = n/a
Hyd. volume = 0.000 acft
Max. Elevation = 1256.31 ft
Max. Storage = 5.726 acft

Storage Indication method used.



Pond No. 1 - W. Pond

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1250.00 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1250.00	23,789	0.000	0.000
2.00	1252.00	38,671	1.420	1.420
4.00	1254.00	42,976	1.873	3.293
6.00	1256.00	47,613	2.079	5.372
8.00	1258.00	52,472	2.297	7.668
10.00	1260.00	54,000	2.444	10.112

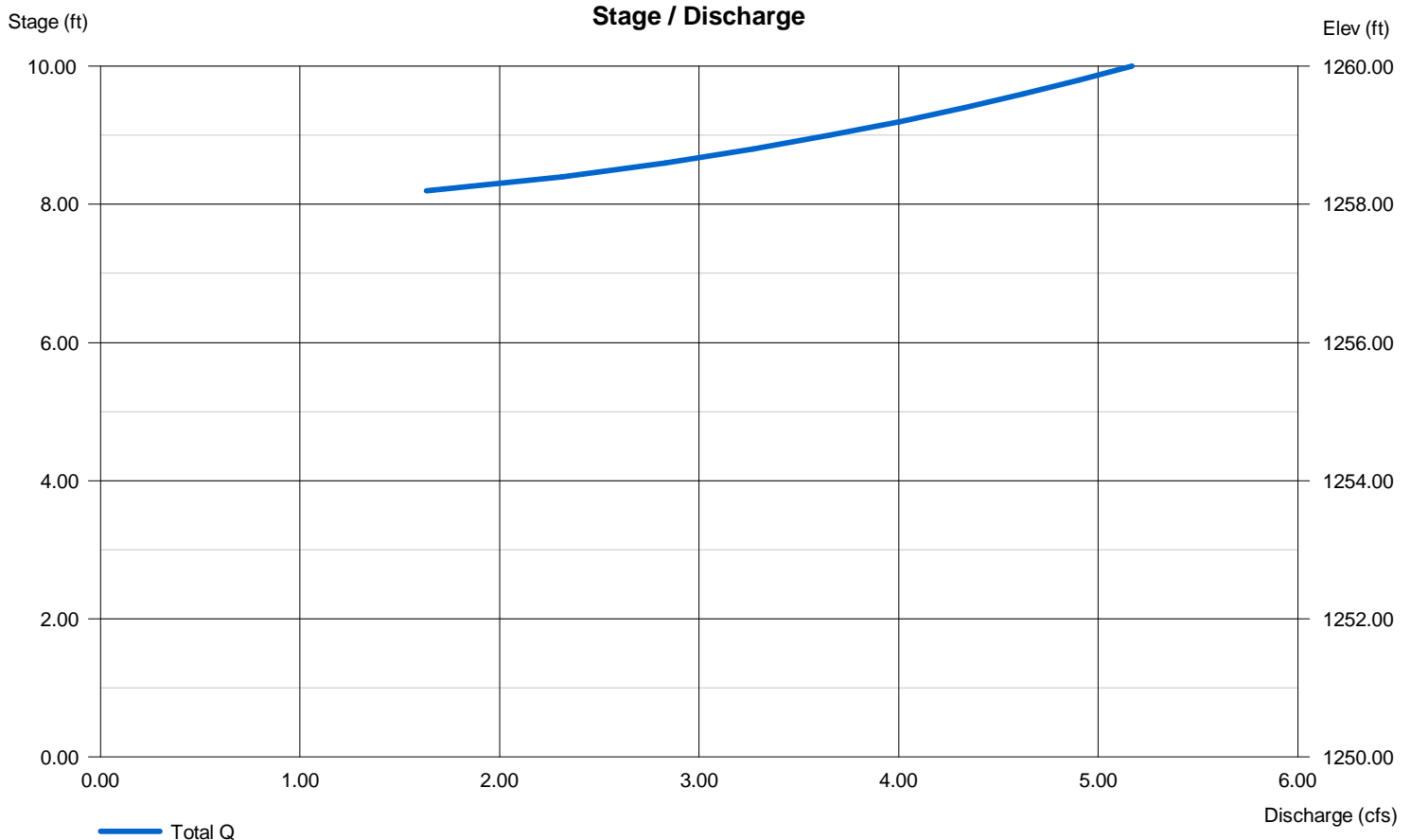
Culvert / Orifice Structures

	[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)	= 1250.00	0.00	0.00	0.00
Length (ft)	= 250.00	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 Wet area)		
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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