

Pond Report

Hydraflow Hydrographs by Intelisolve v9.02

Tuesday, Mar 27, 2007

Pond No. 1 - Parking Lot Storage

Pond Data

Contours - User-defined contour areas. Conic method used for volume calculation. Beginning Elevation = 1346.30 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	1346.30	10	0	0
0.70	1347.00	10	7	7
1.70	1348.00	10	10	17
2.70	1349.00	10	10	27
3.70	1350.00	10	10	37
4.70	1351.00	10	10	47
5.70	1352.00	8,800	3,035	3,082
6.20	1352.50	14,700	5,812	8,894

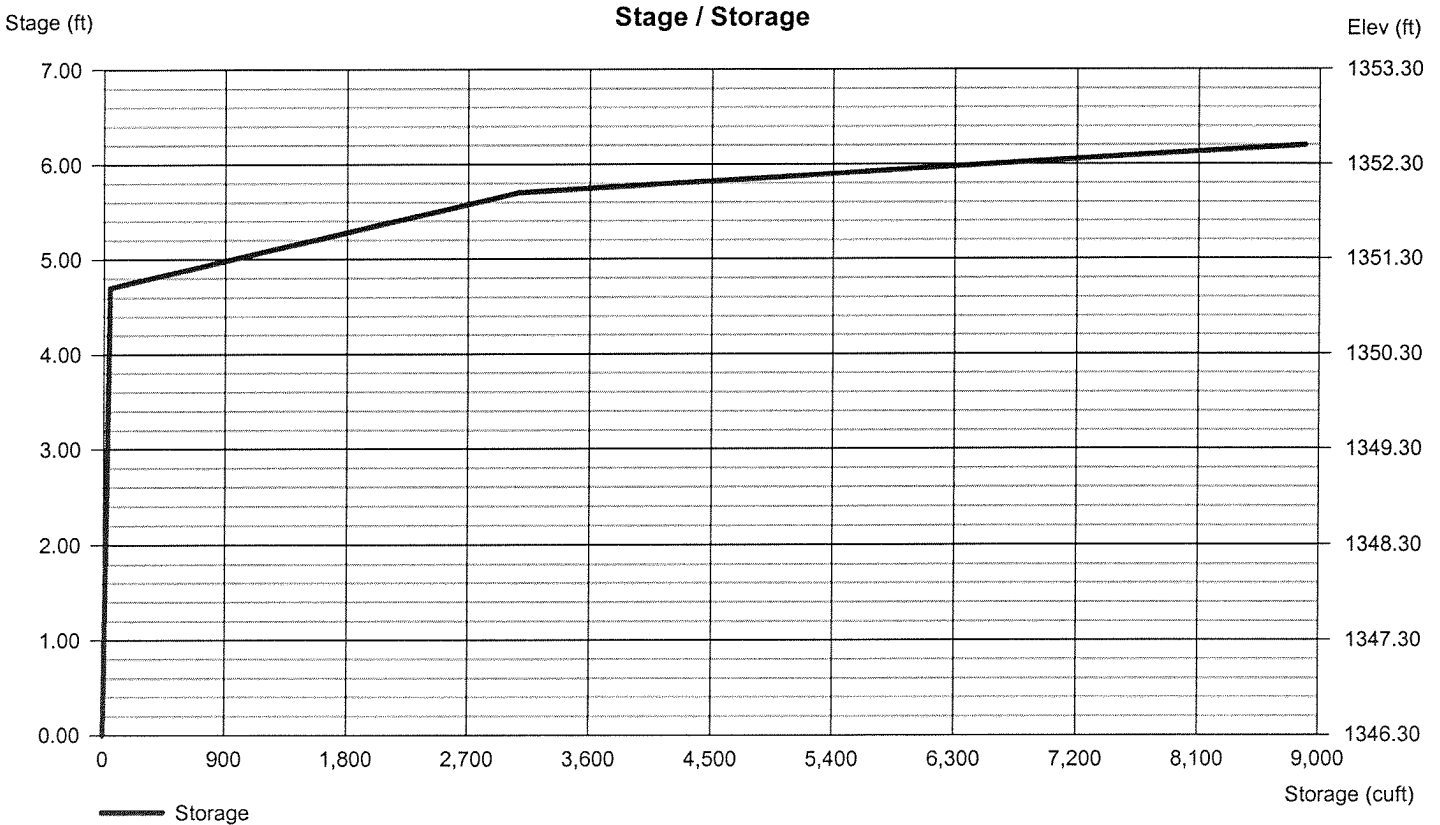
Culvert / Orifice Structures

	[A]	[B]	[C]	[PrfRsr]
Rise (in)	= 18.00	0.00	0.00	0.00
Span (in)	= 18.00	0.00	0.00	0.00
No. Barrels	= 1	0	0	0
Invert El. (ft)	= 1346.30	0.00	0.00	0.00
Length (ft)	= 75.41	0.00	0.00	0.00
Slope (%)	= 0.35	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)	= 0.00			

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



Hydrograph Report

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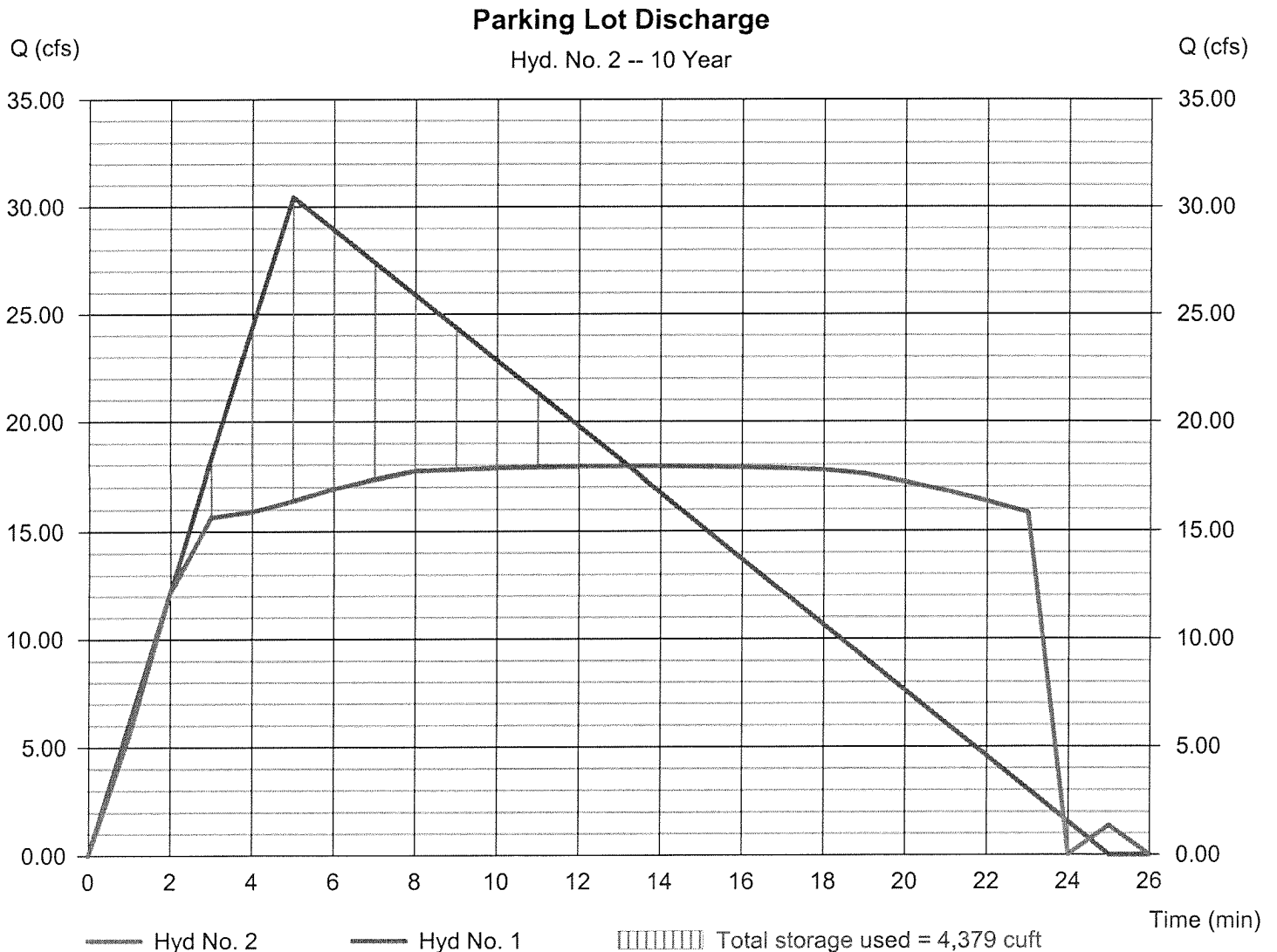
Hyd. No. 2

Parking Lot Discharge

Hydrograph type = Reservoir
Storm frequency = 10 yrs
Time interval = 1 min
Inflow hyd. No. = 1 - Parking storage
Reservoir name = Parking Lot Storage

Peak discharge = 17.93 cfs
Time to peak = 13 min
Hyd. volume = 22,881 cuft
Max. Elevation = 1352.11 ft
Max. Storage = 4,379 cuft

Storage Indication method used.



Hydrograph Report

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Hyd. No. 2

Parking Lot Discharge

Hydrograph type = Reservoir
Storm frequency = 2 yrs
Time interval = 1 min
Inflow hyd. No. = 1 - Parking storage
Reservoir name = Parking Lot Storage

Peak discharge = 16.92 cfs
Time to peak = 11 min
Hyd. volume = 18,077 cuft
Max. Elevation = 1351.61 ft
Max. Storage = 1,909 cuft

Storage Indication method used.

