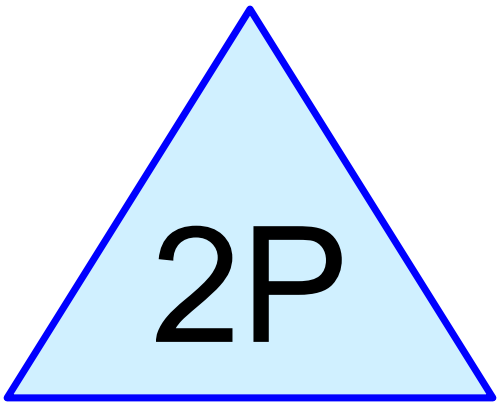

Beaver Pond and Wetland Complex

Subcat Reach Pond Link

Routing Diagram for PrindleBrook

Prepared by HydroCAD SAMPLER 1-800-927-7246 www.hydrocad.net, Printed 3/16/2021
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Rainfall Events Listing

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	1 yr 24 hr	Type II 24-hr		Default	24.00	1	1.99	2
2	2 yr 24 hr	Type II 24-hr		Default	24.00	1	2.34	2
3	5 yr 24 hr	Type II 24-hr		Default	24.00	1	2.91	2
4	10 yr 24 hr	Type II 24-hr		Default	24.00	1	3.38	2
5	25 yr 24 hr	Type II 24-hr		Default	24.00	1	4.04	2
6	50 yr 24 hr	Type II 24-hr		Default	24.00	1	4.53	2
7	100 yr 24 hr	Type II 24-hr		Default	24.00	1	5.04	2

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Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.000	**0**	**TOTAL AREA**

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Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
0.000	HSG C	
0.000	HSG D	
0.000	Other	
0.000		**TOTAL AREA**

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Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**TOTAL AREA**	

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Summary for Pond 2P: Beaver Pond and Wetland Complex

Inflow Area = 1,581.115 ac, 0.11% Impervious, Inflow Depth > 0.42" for 1 yr 24 hr event
Inflow = 451.73 cfs @ 12.42 hrs, Volume= 55.017 af
Outflow = 280.92 cfs @ 12.77 hrs, Volume= 54.085 af, Atten= 38%, Lag= 20.7 min
Primary = 280.92 cfs @ 12.77 hrs, Volume= 54.085 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 370.80' @ 12.77 hrs Storage= 11.632 af

Plug-Flow detention time= 31.8 min calculated for 53.905 af (98% of inflow)
Center-of-Mass det. time= 25.9 min (872.1 - 846.1)

Volume	Invert	Avail.Storage	Storage Description
#1	365.89'	195.419 af	**Custom Stage Data** Listed below

Elevation (feet)	Cum.Store (acre-feet)
365.89	0.000
367.53	0.001
369.17	0.049
370.81	11.668
372.45	45.580
374.09	86.561
375.73	131.396
377.37	178.877
377.93	195.419

Device	Routing	Invert	Outlet Devices
#1	Primary	368.89'	**32.8' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=280.50 cfs @ 12.77 hrs HW=370.80' (Free Discharge)
↑—**1=Sharp-Crested Rectangular Weir** (Weir Controls 280.50 cfs @ 4.52 fps)

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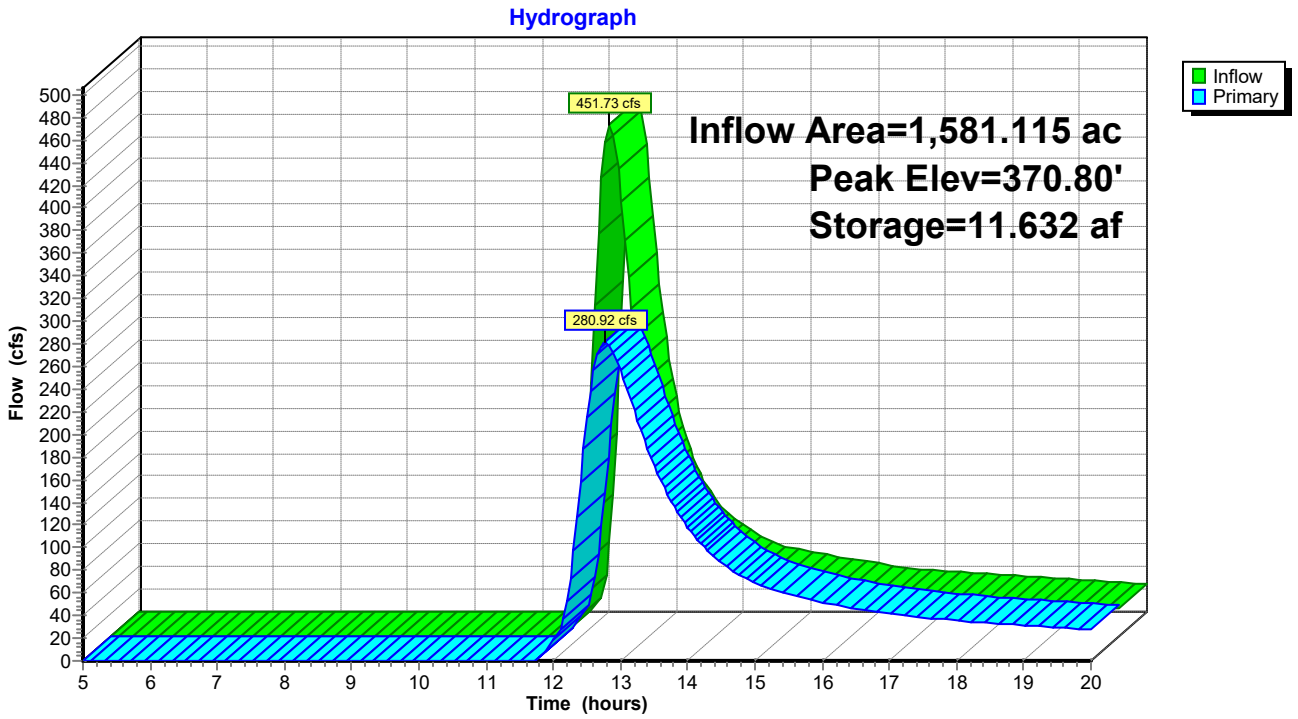
Pond 2P: Beaver Pond and Wetland Complex



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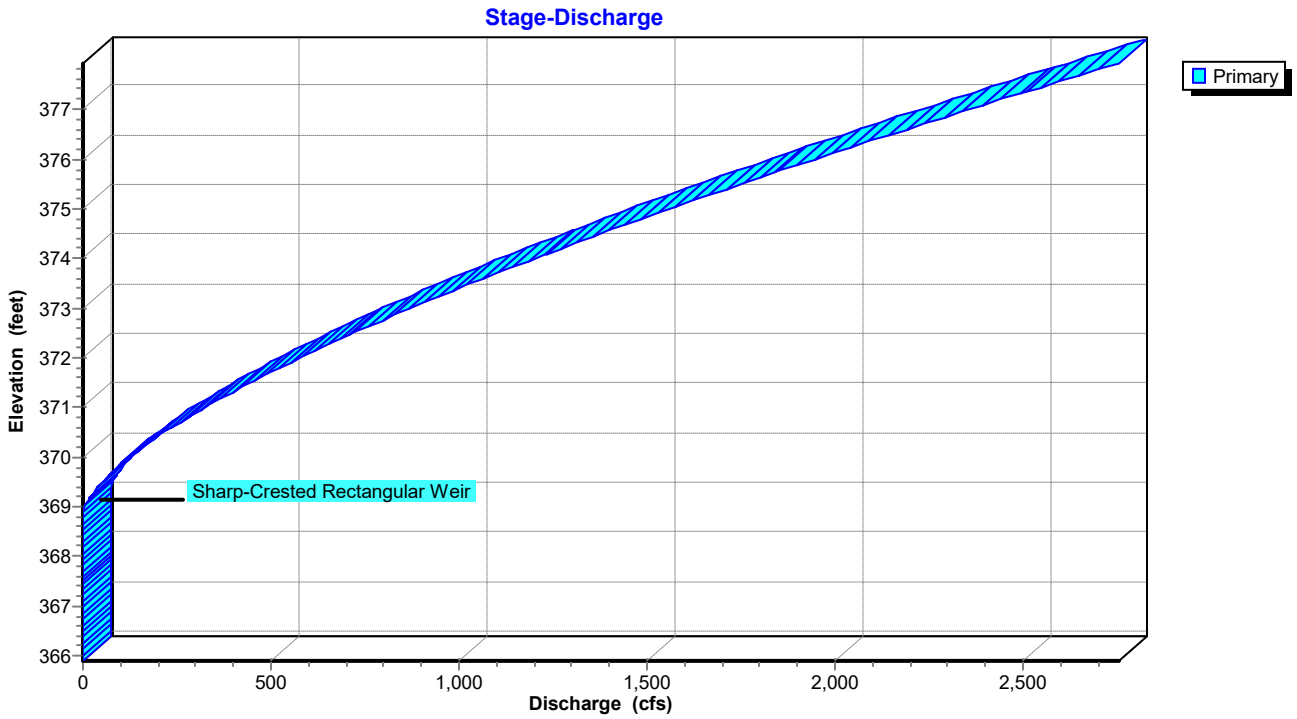
Pond 2P: Beaver Pond and Wetland Complex



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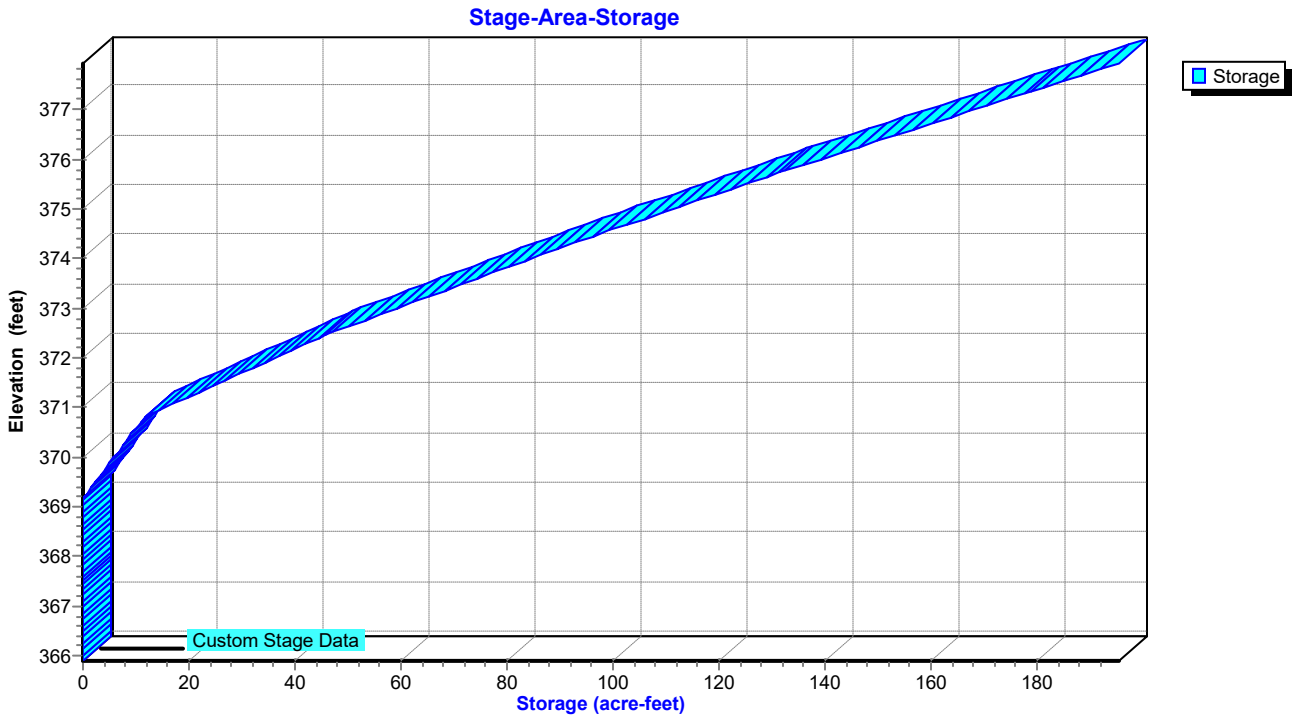
Pond 2P: Beaver Pond and Wetland Complex



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Hydrograph for Pond 2P: Beaver Pond and Wetland Complex

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0.000	365.89	0.00
5.50	0.00	0.000	365.89	0.00
6.00	0.00	0.000	365.89	0.00
6.50	0.00	0.000	365.89	0.00
7.00	0.00	0.000	365.89	0.00
7.50	0.00	0.000	365.89	0.00
8.00	0.00	0.000	365.89	0.00
8.50	0.00	0.000	365.89	0.00
9.00	0.00	0.000	365.89	0.00
9.50	0.00	0.000	365.89	0.00
10.00	0.00	0.000	365.89	0.00
10.50	0.00	0.000	365.89	0.00
11.00	0.00	0.000	365.89	0.00
11.50	0.00	0.000	365.89	0.00
12.00	**61.83**	0.215	369.19	18.01
12.50	**435.86**	**9.414**	**370.49**	**215.40**
13.00	190.22	**10.848**	**370.69**	**257.12**
13.50	106.45	7.829	370.27	172.18
14.00	76.15	5.640	369.96	117.89
14.50	60.21	4.242	369.76	86.92
15.00	52.90	3.368	369.64	69.21
15.50	47.89	2.819	369.56	58.88
16.00	43.07	2.423	369.51	51.56
16.50	38.41	2.090	369.46	45.95
17.00	35.77	1.818	369.42	41.38
17.50	33.94	1.620	369.39	38.06
18.00	32.16	1.466	369.37	35.64
18.50	30.38	1.328	369.35	33.59
19.00	28.51	1.197	369.33	31.65
19.50	26.61	1.068	369.31	29.73
20.00	24.67	0.939	369.30	27.81

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Stage-Discharge for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
365.89	0.00	372.79	806.43
366.04	0.00	372.94	852.60
366.19	0.00	373.09	899.56
366.34	0.00	373.24	947.28
366.49	0.00	373.39	995.77
366.64	0.00	373.54	1,044.98
366.79	0.00	373.69	1,094.92
366.94	0.00	373.84	1,145.56
367.09	0.00	373.99	1,196.90
367.24	0.00	374.14	1,248.91
367.39	0.00	374.29	1,301.58
367.54	0.00	374.44	1,354.91
367.69	0.00	374.59	1,408.87
367.84	0.00	374.74	1,463.46
367.99	0.00	374.89	1,518.66
368.14	0.00	375.04	1,574.47
368.29	0.00	375.19	1,630.87
368.44	0.00	375.34	1,687.86
368.59	0.00	375.49	1,745.41
368.74	0.00	375.64	1,803.53
368.89	0.00	375.79	1,862.21
369.04	6.23	375.94	1,921.42
369.19	17.59	376.09	1,981.17
369.34	32.29	376.24	2,041.45
369.49	49.67	376.39	2,102.25
369.64	69.35	376.54	2,163.55
369.79	91.07	376.69	2,225.36
369.94	114.66	376.84	2,287.66
370.09	139.96	376.99	2,350.45
370.24	166.85	377.14	2,413.72
370.39	195.24	377.29	2,477.46
370.54	225.04	377.44	2,541.66
370.69	256.18	377.59	2,606.32
370.84	288.59	377.74	2,671.43
370.99	322.22	377.89	**2,736.99**
371.14	357.02		
371.29	392.95		
371.44	429.96		
371.59	468.01		
371.74	507.08		
371.89	547.12		
372.04	588.12		
372.19	630.03		
372.34	672.85		
372.49	716.53		
372.64	761.07		

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Stage-Area-Storage for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
365.89	0.000	372.79	54.076
366.04	0.000	372.94	57.824
366.19	0.000	373.09	61.573
366.34	0.000	373.24	65.321
366.49	0.000	373.39	69.069
366.64	0.000	373.54	72.817
366.79	0.001	373.69	76.566
366.94	0.001	373.84	80.314
367.09	0.001	373.99	84.062
367.24	0.001	374.14	87.928
367.39	0.001	374.29	92.029
367.54	0.001	374.44	96.129
367.69	0.006	374.59	100.230
367.84	0.010	374.74	104.331
367.99	0.014	374.89	108.432
368.14	0.019	375.04	112.532
368.29	0.023	375.19	116.633
368.44	0.028	375.34	120.734
368.59	0.032	375.49	124.835
368.74	0.036	375.64	128.936
368.89	0.041	375.79	133.133
369.04	0.045	375.94	137.476
369.19	0.191	376.09	141.819
369.34	1.253	376.24	146.161
369.49	2.316	376.39	150.504
369.64	3.379	376.54	154.847
369.79	4.442	376.69	159.190
369.94	5.504	376.84	163.533
370.09	6.567	376.99	167.875
370.24	7.630	377.14	172.218
370.39	8.692	377.29	176.561
370.54	9.755	377.44	180.945
370.69	10.818	377.59	185.376
370.84	12.288	377.74	189.807
370.99	15.390	377.89	**194.237**
371.14	18.492		
371.29	21.593		
371.44	24.695		
371.59	27.797		
371.74	30.899		
371.89	34.000		
372.04	37.102		
372.19	40.204		
372.34	43.305		
372.49	46.580		
372.64	50.328		

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Summary for Pond 2P: Beaver Pond and Wetland Complex

Inflow Area = 1,581.115 ac, 0.11% Impervious, Inflow Depth > 0.61" for 2 yr 24 hr event
Inflow = 692.62 cfs @ 12.41 hrs, Volume= 79.781 af
Outflow = 365.46 cfs @ 12.83 hrs, Volume= 78.271 af, Atten= 47%, Lag= 25.3 min
Primary = 365.46 cfs @ 12.83 hrs, Volume= 78.271 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 371.18' @ 12.83 hrs Storage= 19.226 af

Plug-Flow detention time= 33.9 min calculated for 78.011 af (98% of inflow)
Center-of-Mass det. time= 27.3 min (865.3 - 838.1)

Volume	Invert	Avail.Storage	Storage Description
#1	365.89'	195.419 af	**Custom Stage Data** Listed below

Elevation (feet)	Cum.Store (acre-feet)
365.89	0.000
367.53	0.001
369.17	0.049
370.81	11.668
372.45	45.580
374.09	86.561
375.73	131.396
377.37	178.877
377.93	195.419

Device	Routing	Invert	Outlet Devices
#1	Primary	368.89'	**32.8' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=365.25 cfs @ 12.83 hrs HW=371.17' (Free Discharge)
↑—**1=Sharp-Crested Rectangular Weir** (Weir Controls 365.25 cfs @ 4.94 fps)

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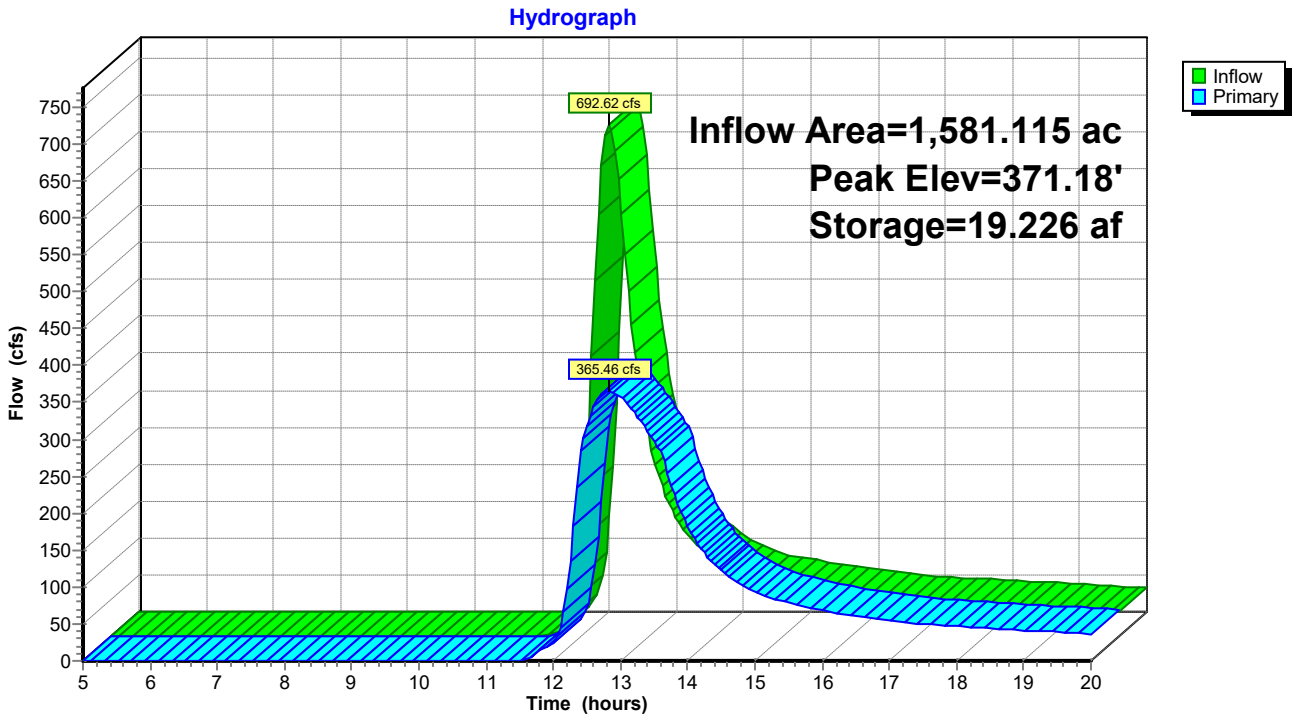
Pond 2P: Beaver Pond and Wetland Complex



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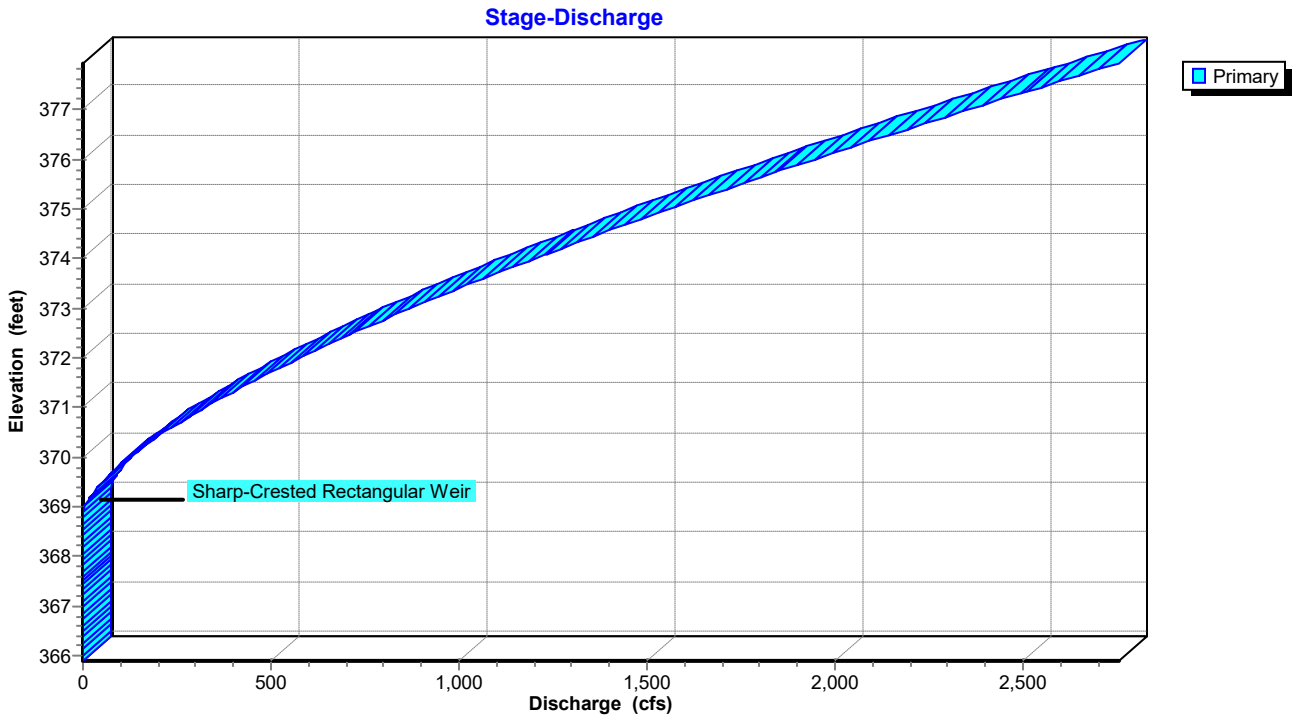
Pond 2P: Beaver Pond and Wetland Complex



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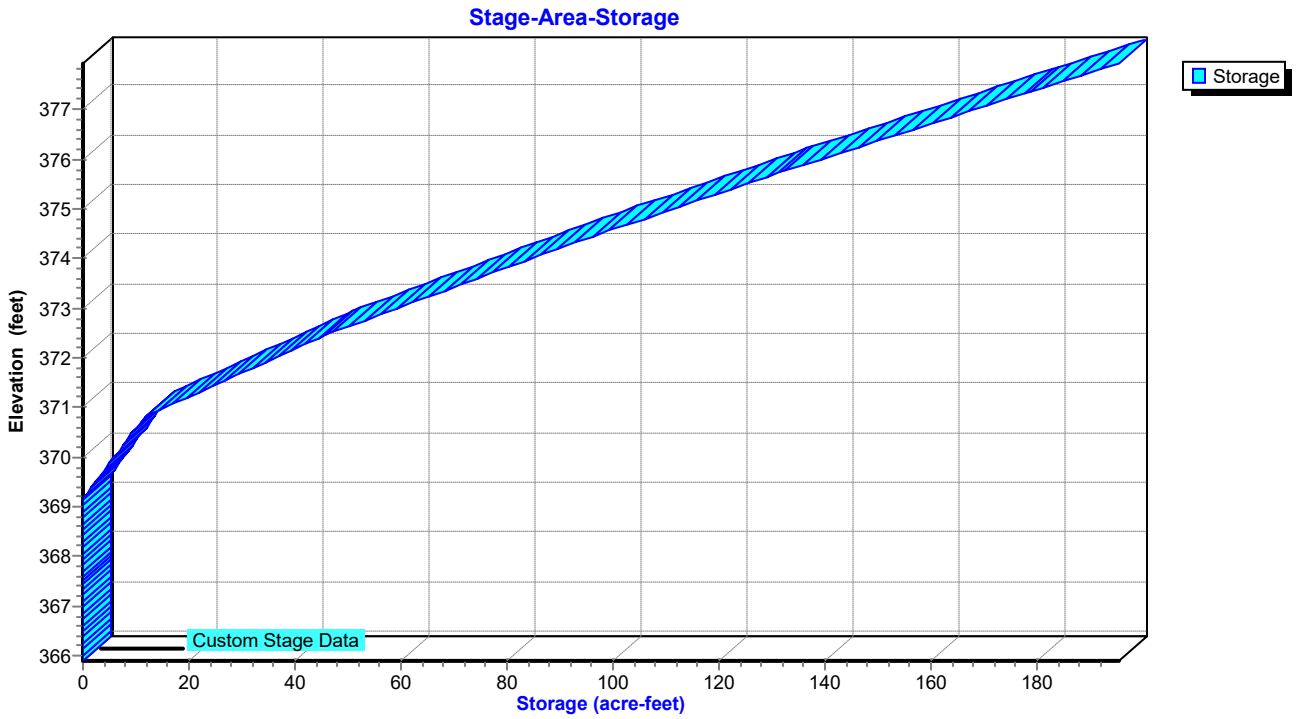
Pond 2P: Beaver Pond and Wetland Complex



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Hydrograph for Pond 2P: Beaver Pond and Wetland Complex

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0.000	365.89	0.00
5.50	0.00	0.000	365.89	0.00
6.00	0.00	0.000	365.89	0.00
6.50	0.00	0.000	365.89	0.00
7.00	0.00	0.000	365.89	0.00
7.50	0.00	0.000	365.89	0.00
8.00	0.00	0.000	365.89	0.00
8.50	0.00	0.000	365.89	0.00
9.00	0.00	0.000	365.89	0.00
9.50	0.00	0.000	365.89	0.00
10.00	0.00	0.000	365.89	0.00
10.50	0.00	0.000	365.89	0.00
11.00	0.00	0.000	365.89	0.00
11.50	1.41	0.010	367.82	0.00
12.00	**129.32**	0.715	369.26	24.50
12.50	**658.05**	**14.975**	**370.97**	**317.71**
13.00	271.68	**18.557**	**371.14**	**357.85**
13.50	147.19	13.086	370.88	297.22
14.00	103.59	8.216	370.32	182.39
14.50	81.36	5.837	369.99	122.43
15.00	71.21	4.563	369.81	93.84
15.50	64.27	3.830	369.70	78.47
16.00	57.65	3.325	369.63	68.35
16.50	51.30	2.912	369.57	60.60
17.00	47.68	2.579	369.53	54.45
17.50	45.17	2.341	369.49	50.15
18.00	42.72	2.152	369.47	46.98
18.50	40.30	1.985	369.44	44.18
19.00	37.78	1.827	369.42	41.54
19.50	35.21	1.673	369.40	38.95
20.00	32.61	1.518	369.38	36.41

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Stage-Discharge for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
365.89	0.00	372.79	806.43
366.04	0.00	372.94	852.60
366.19	0.00	373.09	899.56
366.34	0.00	373.24	947.28
366.49	0.00	373.39	995.77
366.64	0.00	373.54	1,044.98
366.79	0.00	373.69	1,094.92
366.94	0.00	373.84	1,145.56
367.09	0.00	373.99	1,196.90
367.24	0.00	374.14	1,248.91
367.39	0.00	374.29	1,301.58
367.54	0.00	374.44	1,354.91
367.69	0.00	374.59	1,408.87
367.84	0.00	374.74	1,463.46
367.99	0.00	374.89	1,518.66
368.14	0.00	375.04	1,574.47
368.29	0.00	375.19	1,630.87
368.44	0.00	375.34	1,687.86
368.59	0.00	375.49	1,745.41
368.74	0.00	375.64	1,803.53
368.89	0.00	375.79	1,862.21
369.04	6.23	375.94	1,921.42
369.19	17.59	376.09	1,981.17
369.34	32.29	376.24	2,041.45
369.49	49.67	376.39	2,102.25
369.64	69.35	376.54	2,163.55
369.79	91.07	376.69	2,225.36
369.94	114.66	376.84	2,287.66
370.09	139.96	376.99	2,350.45
370.24	166.85	377.14	2,413.72
370.39	195.24	377.29	2,477.46
370.54	225.04	377.44	2,541.66
370.69	256.18	377.59	2,606.32
370.84	288.59	377.74	2,671.43
370.99	322.22	377.89	**2,736.99**
371.14	357.02		
371.29	392.95		
371.44	429.96		
371.59	468.01		
371.74	507.08		
371.89	547.12		
372.04	588.12		
372.19	630.03		
372.34	672.85		
372.49	716.53		
372.64	761.07		

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Stage-Area-Storage for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
365.89	0.000	372.79	54.076
366.04	0.000	372.94	57.824
366.19	0.000	373.09	61.573
366.34	0.000	373.24	65.321
366.49	0.000	373.39	69.069
366.64	0.000	373.54	72.817
366.79	0.001	373.69	76.566
366.94	0.001	373.84	80.314
367.09	0.001	373.99	84.062
367.24	0.001	374.14	87.928
367.39	0.001	374.29	92.029
367.54	0.001	374.44	96.129
367.69	0.006	374.59	100.230
367.84	0.010	374.74	104.331
367.99	0.014	374.89	108.432
368.14	0.019	375.04	112.532
368.29	0.023	375.19	116.633
368.44	0.028	375.34	120.734
368.59	0.032	375.49	124.835
368.74	0.036	375.64	128.936
368.89	0.041	375.79	133.133
369.04	0.045	375.94	137.476
369.19	0.191	376.09	141.819
369.34	1.253	376.24	146.161
369.49	2.316	376.39	150.504
369.64	3.379	376.54	154.847
369.79	4.442	376.69	159.190
369.94	5.504	376.84	163.533
370.09	6.567	376.99	167.875
370.24	7.630	377.14	172.218
370.39	8.692	377.29	176.561
370.54	9.755	377.44	180.945
370.69	10.818	377.59	185.376
370.84	12.288	377.74	189.807
370.99	15.390	377.89	**194.237**
371.14	18.492		
371.29	21.593		
371.44	24.695		
371.59	27.797		
371.74	30.899		
371.89	34.000		
372.04	37.102		
372.19	40.204		
372.34	43.305		
372.49	46.580		
372.64	50.328		

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Summary for Pond 2P: Beaver Pond and Wetland Complex

Inflow Area = 1,581.115 ac, 0.11% Impervious, Inflow Depth > 0.95" for 5 yr 24 hr event
Inflow = 1,135.55 cfs @ 12.39 hrs, Volume= 125.413 af
Outflow = 554.38 cfs @ 12.84 hrs, Volume= 123.036 af, Atten= 51%, Lag= 27.1 min
Primary = 554.38 cfs @ 12.84 hrs, Volume= 123.036 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 371.92' @ 12.84 hrs Storage= 34.553 af

Plug-Flow detention time= 38.0 min calculated for 122.627 af (98% of inflow)
Center-of-Mass det. time= 31.1 min (860.0 - 828.9)

Volume	Invert	Avail.Storage	Storage Description
#1	365.89'	195.419 af	**Custom Stage Data** Listed below

Elevation (feet)	Cum.Store (acre-feet)
365.89	0.000
367.53	0.001
369.17	0.049
370.81	11.668
372.45	45.580
374.09	86.561
375.73	131.396
377.37	178.877
377.93	195.419

Device	Routing	Invert	Outlet Devices
#1	Primary	368.89'	**32.8' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=554.18 cfs @ 12.84 hrs HW=371.92' (Free Discharge)
↑—**1=Sharp-Crested Rectangular Weir** (Weir Controls 554.18 cfs @ 5.69 fps)

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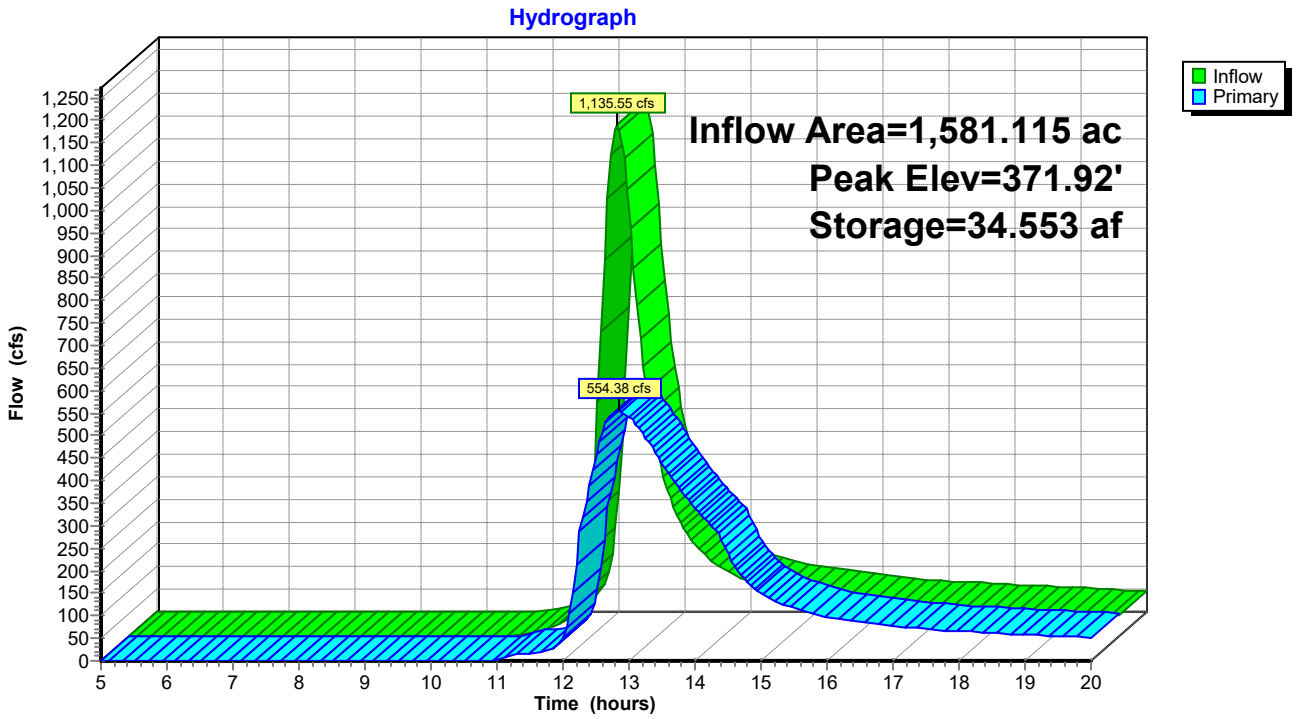
Pond 2P: Beaver Pond and Wetland Complex



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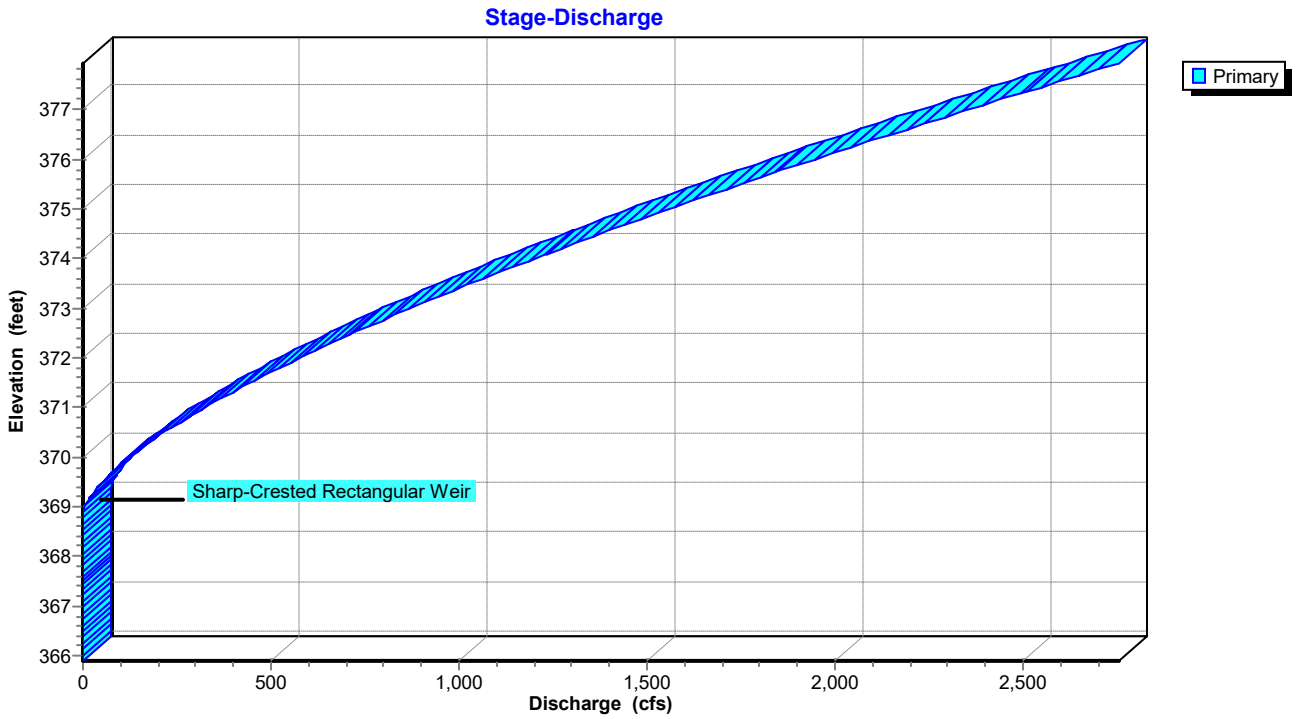
Pond 2P: Beaver Pond and Wetland Complex



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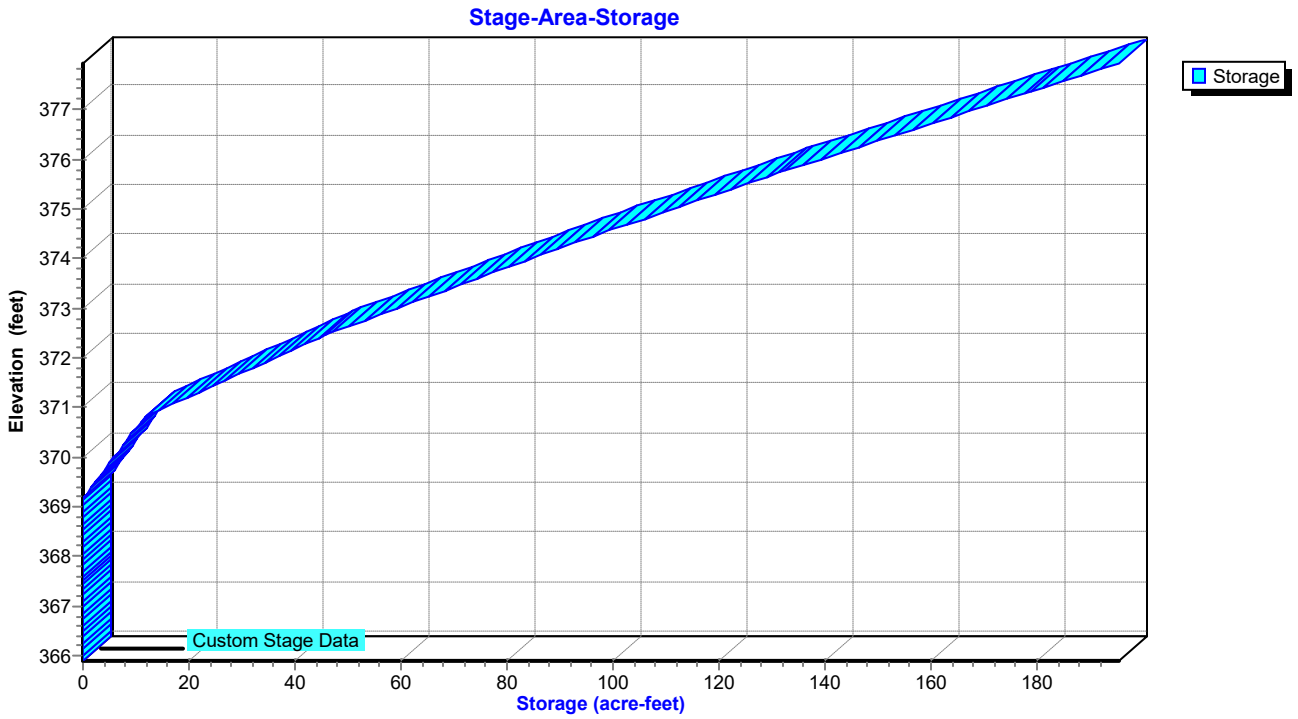
Pond 2P: Beaver Pond and Wetland Complex



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Hydrograph for Pond 2P: Beaver Pond and Wetland Complex

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0.000	365.89	0.00
5.50	0.00	0.000	365.89	0.00
6.00	0.00	0.000	365.89	0.00
6.50	0.00	0.000	365.89	0.00
7.00	0.00	0.000	365.89	0.00
7.50	0.00	0.000	365.89	0.00
8.00	0.00	0.000	365.89	0.00
8.50	0.00	0.000	365.89	0.00
9.00	0.00	0.000	365.89	0.00
9.50	0.00	0.000	365.89	0.00
10.00	0.00	0.000	365.89	0.00
10.50	0.03	0.000	366.08	0.00
11.00	4.57	0.045	369.04	6.07
11.50	24.53	0.099	369.18	16.51
12.00	**269.85**	2.433	369.51	51.75
12.50	**1,060.97**	**26.951**	**371.55**	**457.53**
13.00	415.77	**33.644**	**371.87**	**542.54**
13.50	217.96	25.482	371.48	439.60
14.00	150.80	16.913	371.06	339.18
14.50	117.61	10.152	370.60	236.54
15.00	102.51	6.979	370.15	150.32
15.50	92.22	5.576	369.95	116.44
16.00	82.50	4.777	369.84	98.43
16.50	73.23	4.190	369.75	85.80
17.00	67.93	3.748	369.69	76.82
17.50	64.22	3.437	369.65	70.60
18.00	60.65	3.201	369.61	65.94
18.50	57.12	2.990	369.59	62.05
19.00	53.46	2.788	369.56	58.32
19.50	49.77	2.588	369.53	54.62
20.00	46.04	2.387	369.50	50.93

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Stage-Discharge for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
365.89	0.00	372.79	806.43
366.04	0.00	372.94	852.60
366.19	0.00	373.09	899.56
366.34	0.00	373.24	947.28
366.49	0.00	373.39	995.77
366.64	0.00	373.54	1,044.98
366.79	0.00	373.69	1,094.92
366.94	0.00	373.84	1,145.56
367.09	0.00	373.99	1,196.90
367.24	0.00	374.14	1,248.91
367.39	0.00	374.29	1,301.58
367.54	0.00	374.44	1,354.91
367.69	0.00	374.59	1,408.87
367.84	0.00	374.74	1,463.46
367.99	0.00	374.89	1,518.66
368.14	0.00	375.04	1,574.47
368.29	0.00	375.19	1,630.87
368.44	0.00	375.34	1,687.86
368.59	0.00	375.49	1,745.41
368.74	0.00	375.64	1,803.53
368.89	0.00	375.79	1,862.21
369.04	6.23	375.94	1,921.42
369.19	17.59	376.09	1,981.17
369.34	32.29	376.24	2,041.45
369.49	49.67	376.39	2,102.25
369.64	69.35	376.54	2,163.55
369.79	91.07	376.69	2,225.36
369.94	114.66	376.84	2,287.66
370.09	139.96	376.99	2,350.45
370.24	166.85	377.14	2,413.72
370.39	195.24	377.29	2,477.46
370.54	225.04	377.44	2,541.66
370.69	256.18	377.59	2,606.32
370.84	288.59	377.74	2,671.43
370.99	322.22	377.89	**2,736.99**
371.14	357.02		
371.29	392.95		
371.44	429.96		
371.59	468.01		
371.74	507.08		
371.89	547.12		
372.04	588.12		
372.19	630.03		
372.34	672.85		
372.49	716.53		
372.64	761.07		

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Stage-Area-Storage for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
365.89	0.000	372.79	54.076
366.04	0.000	372.94	57.824
366.19	0.000	373.09	61.573
366.34	0.000	373.24	65.321
366.49	0.000	373.39	69.069
366.64	0.000	373.54	72.817
366.79	0.001	373.69	76.566
366.94	0.001	373.84	80.314
367.09	0.001	373.99	84.062
367.24	0.001	374.14	87.928
367.39	0.001	374.29	92.029
367.54	0.001	374.44	96.129
367.69	0.006	374.59	100.230
367.84	0.010	374.74	104.331
367.99	0.014	374.89	108.432
368.14	0.019	375.04	112.532
368.29	0.023	375.19	116.633
368.44	0.028	375.34	120.734
368.59	0.032	375.49	124.835
368.74	0.036	375.64	128.936
368.89	0.041	375.79	133.133
369.04	0.045	375.94	137.476
369.19	0.191	376.09	141.819
369.34	1.253	376.24	146.161
369.49	2.316	376.39	150.504
369.64	3.379	376.54	154.847
369.79	4.442	376.69	159.190
369.94	5.504	376.84	163.533
370.09	6.567	376.99	167.875
370.24	7.630	377.14	172.218
370.39	8.692	377.29	176.561
370.54	9.755	377.44	180.945
370.69	10.818	377.59	185.376
370.84	12.288	377.74	189.807
370.99	15.390	377.89	**194.237**
371.14	18.492		
371.29	21.593		
371.44	24.695		
371.59	27.797		
371.74	30.899		
371.89	34.000		
372.04	37.102		
372.19	40.204		
372.34	43.305		
372.49	46.580		
372.64	50.328		

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Summary for Pond 2P: Beaver Pond and Wetland Complex

Inflow Area = 1,581.115 ac, 0.11% Impervious, Inflow Depth > 1.27" for 10 yr 24 hr event
Inflow = 1,534.07 cfs @ 12.38 hrs, Volume= 166.790 af
Outflow = 737.80 cfs @ 12.83 hrs, Volume= 163.747 af, Atten= 52%, Lag= 27.1 min
Primary = 737.80 cfs @ 12.83 hrs, Volume= 163.747 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 372.56' @ 12.83 hrs Storage= 48.373 af

Plug-Flow detention time= 40.1 min calculated for 163.747 af (98% of inflow)
Center-of-Mass det. time= 33.4 min (856.7 - 823.2)

Volume	Invert	Avail.Storage	Storage Description
#1	365.89'	195.419 af	**Custom Stage Data** Listed below

Elevation (feet)	Cum.Store (acre-feet)
365.89	0.000
367.53	0.001
369.17	0.049
370.81	11.668
372.45	45.580
374.09	86.561
375.73	131.396
377.37	178.877
377.93	195.419

Device	Routing	Invert	Outlet Devices
#1	Primary	368.89'	**32.8' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=737.38 cfs @ 12.83 hrs HW=372.56' (Free Discharge)
↑—**1=Sharp-Crested Rectangular Weir** (Weir Controls 737.38 cfs @ 6.26 fps)

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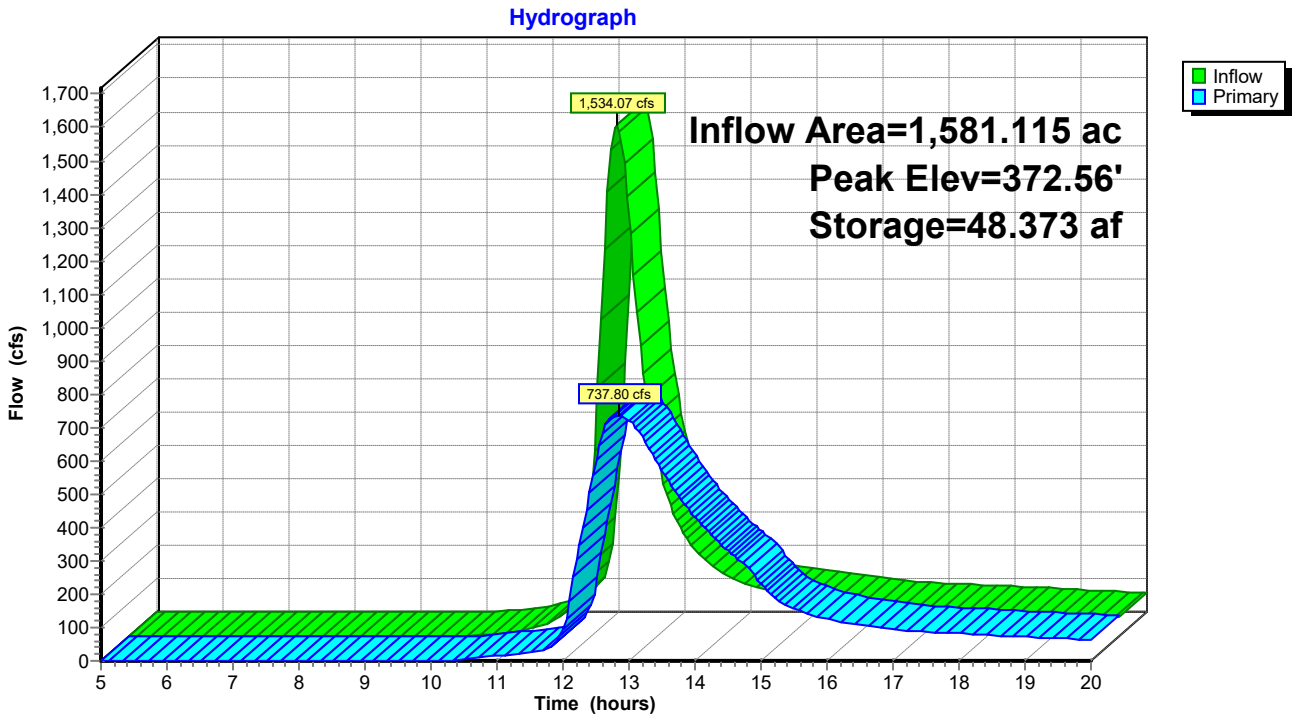
Pond 2P: Beaver Pond and Wetland Complex



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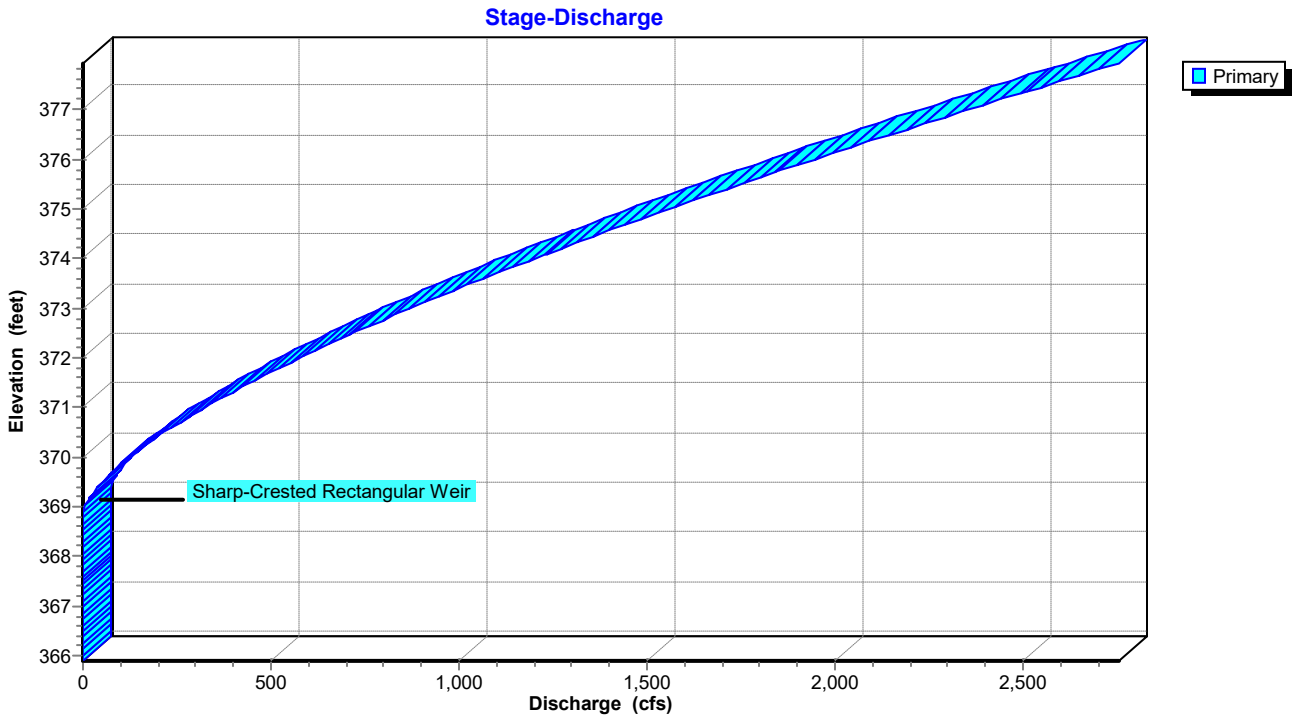
Pond 2P: Beaver Pond and Wetland Complex



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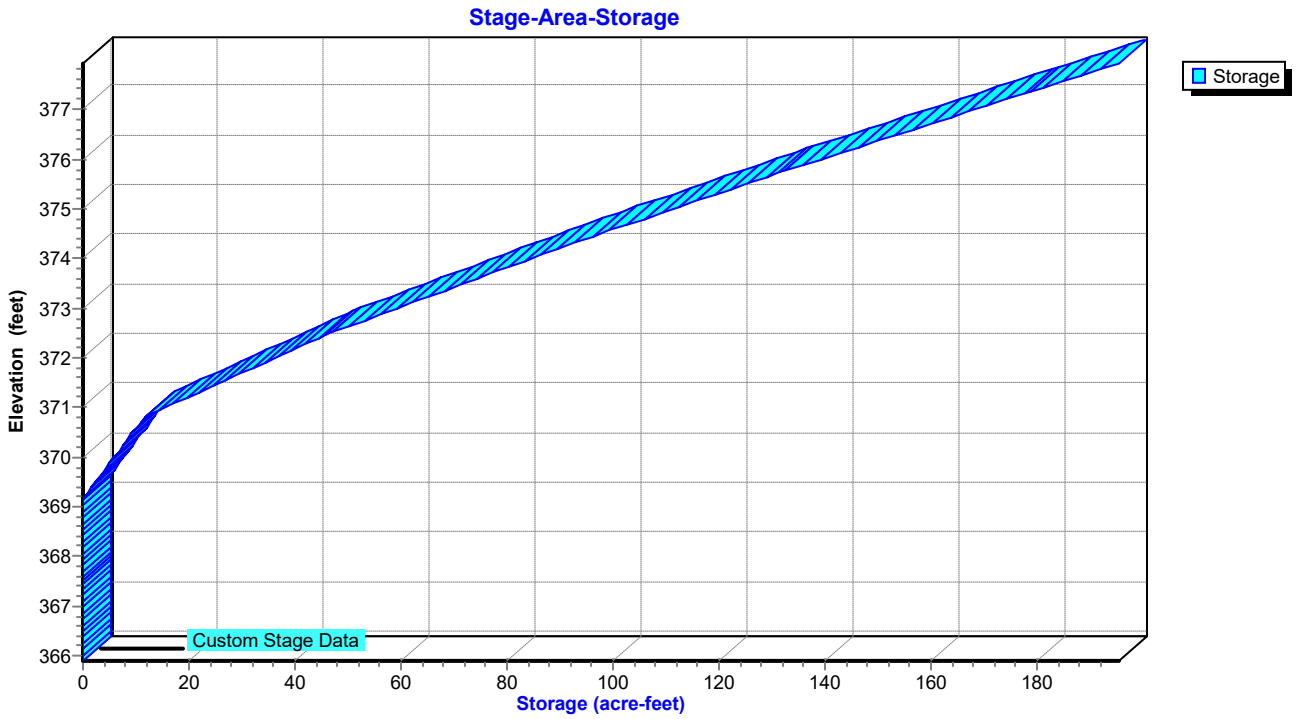
Pond 2P: Beaver Pond and Wetland Complex



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Hydrograph for Pond 2P: Beaver Pond and Wetland Complex

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0.000	365.89	0.00
5.50	0.00	0.000	365.89	0.00
6.00	0.00	0.000	365.89	0.00
6.50	0.00	0.000	365.89	0.00
7.00	0.00	0.000	365.89	0.00
7.50	0.00	0.000	365.89	0.00
8.00	0.00	0.000	365.89	0.00
8.50	0.00	0.000	365.89	0.00
9.00	0.00	0.000	365.89	0.00
9.50	0.00	0.000	365.89	0.00
10.00	0.31	0.002	367.56	0.00
10.50	6.01	0.045	369.04	6.13
11.00	20.79	0.074	369.17	16.19
11.50	53.05	0.708	369.26	24.39
12.00	**402.90**	4.550	369.81	93.54
12.50	**1,419.97**	**38.416**	**372.10**	**605.83**
13.00	541.77	**47.021**	**372.51**	**721.73**
13.50	278.98	35.907	371.98	572.29
14.00	191.19	24.789	371.44	431.13
14.50	148.52	16.090	371.02	330.06
15.00	129.16	9.914	370.56	229.68
15.50	115.98	7.239	370.18	156.90
16.00	103.59	5.995	370.01	126.23
16.50	91.83	5.207	369.90	107.99
17.00	85.08	4.657	369.82	95.85
17.50	80.36	4.286	369.77	87.88
18.00	75.81	4.008	369.73	82.04
18.50	71.33	3.762	369.69	77.10
19.00	66.72	3.526	369.66	72.37
19.50	62.06	3.293	369.63	67.70
20.00	57.38	3.055	369.59	63.25

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Stage-Discharge for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
365.89	0.00	372.79	806.43
366.04	0.00	372.94	852.60
366.19	0.00	373.09	899.56
366.34	0.00	373.24	947.28
366.49	0.00	373.39	995.77
366.64	0.00	373.54	1,044.98
366.79	0.00	373.69	1,094.92
366.94	0.00	373.84	1,145.56
367.09	0.00	373.99	1,196.90
367.24	0.00	374.14	1,248.91
367.39	0.00	374.29	1,301.58
367.54	0.00	374.44	1,354.91
367.69	0.00	374.59	1,408.87
367.84	0.00	374.74	1,463.46
367.99	0.00	374.89	1,518.66
368.14	0.00	375.04	1,574.47
368.29	0.00	375.19	1,630.87
368.44	0.00	375.34	1,687.86
368.59	0.00	375.49	1,745.41
368.74	0.00	375.64	1,803.53
368.89	0.00	375.79	1,862.21
369.04	6.23	375.94	1,921.42
369.19	17.59	376.09	1,981.17
369.34	32.29	376.24	2,041.45
369.49	49.67	376.39	2,102.25
369.64	69.35	376.54	2,163.55
369.79	91.07	376.69	2,225.36
369.94	114.66	376.84	2,287.66
370.09	139.96	376.99	2,350.45
370.24	166.85	377.14	2,413.72
370.39	195.24	377.29	2,477.46
370.54	225.04	377.44	2,541.66
370.69	256.18	377.59	2,606.32
370.84	288.59	377.74	2,671.43
370.99	322.22	377.89	**2,736.99**
371.14	357.02		
371.29	392.95		
371.44	429.96		
371.59	468.01		
371.74	507.08		
371.89	547.12		
372.04	588.12		
372.19	630.03		
372.34	672.85		
372.49	716.53		
372.64	761.07		

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Stage-Area-Storage for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
365.89	0.000	372.79	54.076
366.04	0.000	372.94	57.824
366.19	0.000	373.09	61.573
366.34	0.000	373.24	65.321
366.49	0.000	373.39	69.069
366.64	0.000	373.54	72.817
366.79	0.001	373.69	76.566
366.94	0.001	373.84	80.314
367.09	0.001	373.99	84.062
367.24	0.001	374.14	87.928
367.39	0.001	374.29	92.029
367.54	0.001	374.44	96.129
367.69	0.006	374.59	100.230
367.84	0.010	374.74	104.331
367.99	0.014	374.89	108.432
368.14	0.019	375.04	112.532
368.29	0.023	375.19	116.633
368.44	0.028	375.34	120.734
368.59	0.032	375.49	124.835
368.74	0.036	375.64	128.936
368.89	0.041	375.79	133.133
369.04	0.045	375.94	137.476
369.19	0.191	376.09	141.819
369.34	1.253	376.24	146.161
369.49	2.316	376.39	150.504
369.64	3.379	376.54	154.847
369.79	4.442	376.69	159.190
369.94	5.504	376.84	163.533
370.09	6.567	376.99	167.875
370.24	7.630	377.14	172.218
370.39	8.692	377.29	176.561
370.54	9.755	377.44	180.945
370.69	10.818	377.59	185.376
370.84	12.288	377.74	189.807
370.99	15.390	377.89	**194.237**
371.14	18.492		
371.29	21.593		
371.44	24.695		
371.59	27.797		
371.74	30.899		
371.89	34.000		
372.04	37.102		
372.19	40.204		
372.34	43.305		
372.49	46.580		
372.64	50.328		

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Summary for Pond 2P: Beaver Pond and Wetland Complex

Inflow Area = 1,581.115 ac, 0.11% Impervious, Inflow Depth > 1.74" for 25 yr 24 hr event
Inflow = 2,131.80 cfs @ 12.37 hrs, Volume= 229.105 af
Outflow = 1,002.10 cfs @ 12.83 hrs, Volume= 225.189 af, Atten= 53%, Lag= 27.4 min
Primary = 1,002.10 cfs @ 12.83 hrs, Volume= 225.189 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 373.41' @ 12.83 hrs Storage= 69.550 af

Plug-Flow detention time= 42.5 min calculated for 225.189 af (98% of inflow)
Center-of-Mass det. time= 36.1 min (853.0 - 816.9)

Volume	Invert	Avail.Storage	Storage Description
#1	365.89'	195.419 af	**Custom Stage Data** Listed below

Elevation (feet)	Cum.Store (acre-feet)
365.89	0.000
367.53	0.001
369.17	0.049
370.81	11.668
372.45	45.580
374.09	86.561
375.73	131.396
377.37	178.877
377.93	195.419

Device	Routing	Invert	Outlet Devices
#1	Primary	368.89'	**32.8' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=1,001.45 cfs @ 12.83 hrs HW=373.41' (Free Discharge)
↑—**1=Sharp-Crested Rectangular Weir** (Weir Controls 1,001.45 cfs @ 6.95 fps)

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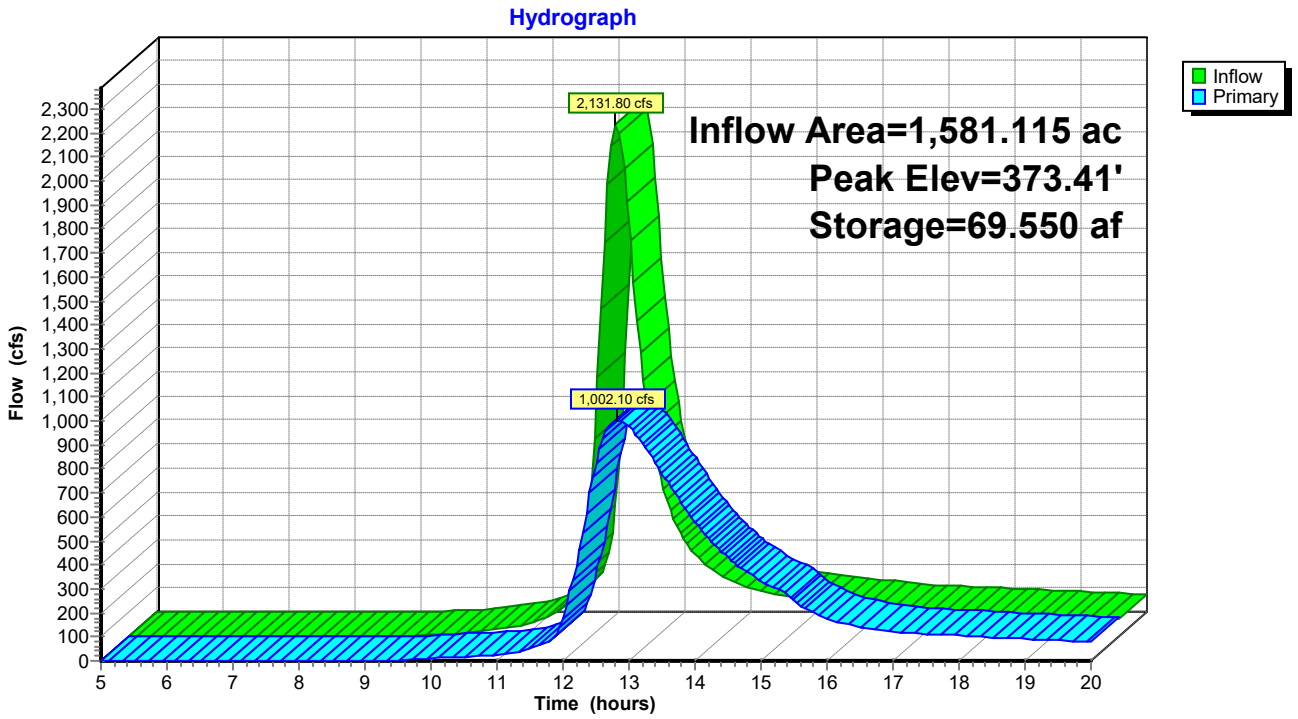
Pond 2P: Beaver Pond and Wetland Complex



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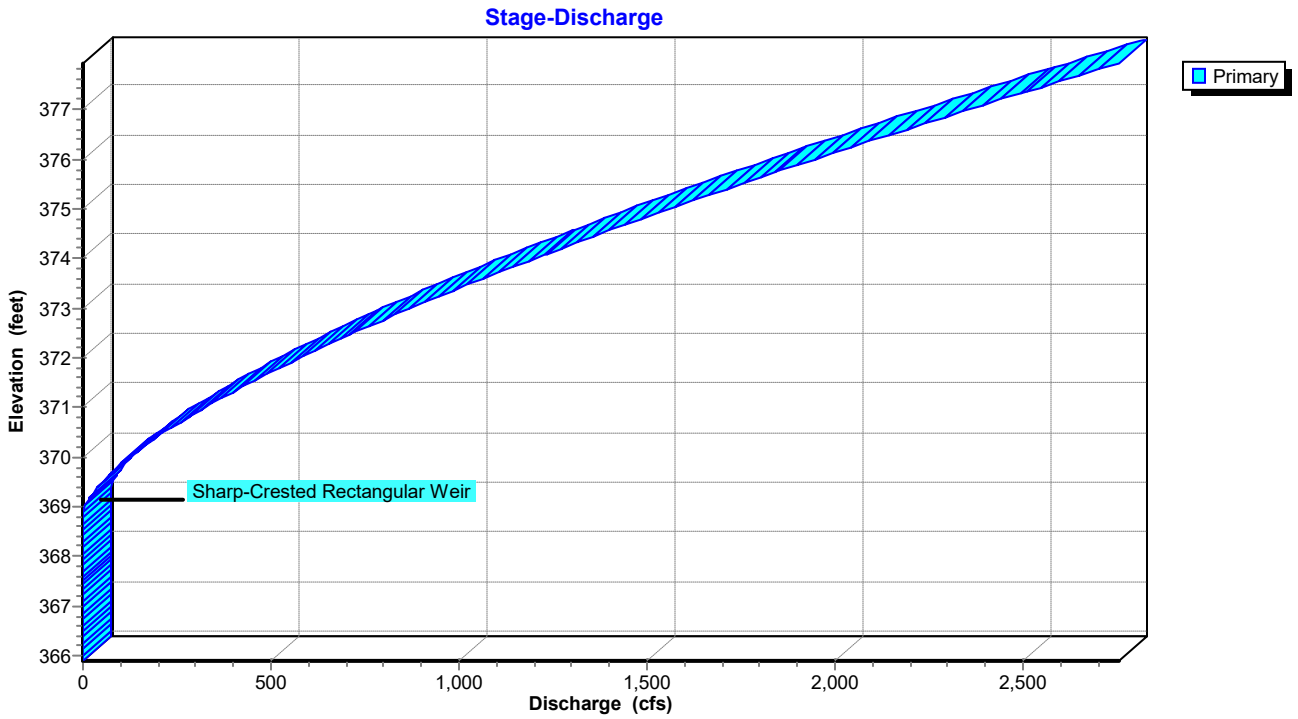
Pond 2P: Beaver Pond and Wetland Complex



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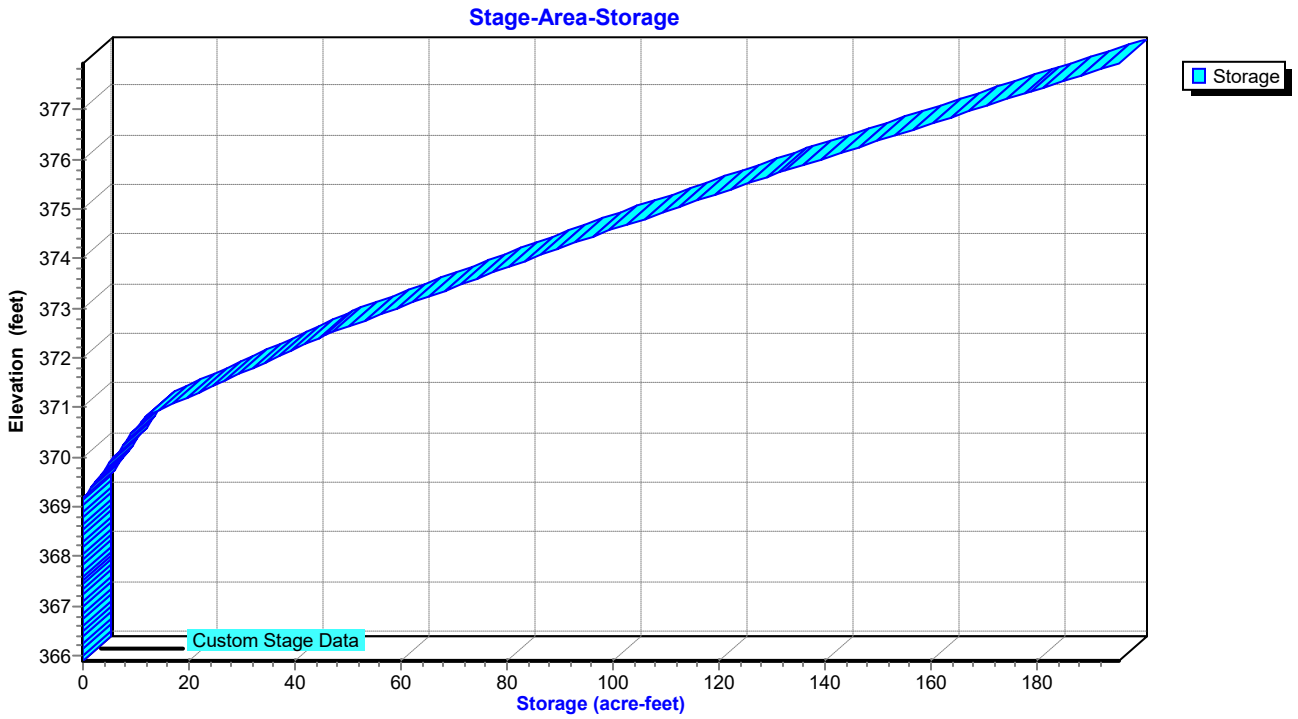
Pond 2P: Beaver Pond and Wetland Complex



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Hydrograph for Pond 2P: Beaver Pond and Wetland Complex

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0.000	365.89	0.00
5.50	0.00	0.000	365.89	0.00
6.00	0.00	0.000	365.89	0.00
6.50	0.00	0.000	365.89	0.00
7.00	0.00	0.000	365.89	0.00
7.50	0.00	0.000	365.89	0.00
8.00	0.00	0.000	365.89	0.00
8.50	0.00	0.000	365.89	0.00
9.00	0.05	0.000	366.20	0.00
9.50	3.41	0.043	368.96	2.70
10.00	11.67	0.047	369.11	11.56
10.50	25.40	0.154	369.18	17.22
11.00	50.00	0.804	369.28	25.82
11.50	99.98	2.282	369.49	49.17
12.00	**608.76**	7.979	370.29	176.13
12.50	**1,951.76**	**55.888**	**372.86**	**828.67**
13.00	725.72	**67.616**	**373.33**	**976.92**
13.50	367.10	52.085	372.71	782.29
14.00	249.14	36.407	372.01	578.91
14.50	192.77	24.738	371.44	430.51
15.00	167.26	16.460	371.04	334.15
15.50	149.90	10.678	370.67	252.08
16.00	133.69	7.961	370.29	175.67
16.50	118.35	6.658	370.10	142.20
17.00	109.52	5.888	369.99	123.65
17.50	103.33	5.415	369.93	112.75
18.00	97.39	5.071	369.88	104.90
18.50	91.56	4.778	369.84	98.44
19.00	85.56	4.495	369.80	92.37
19.50	79.53	4.214	369.76	86.34
20.00	73.48	3.930	369.72	80.48

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Stage-Discharge for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
365.89	0.00	372.79	806.43
366.04	0.00	372.94	852.60
366.19	0.00	373.09	899.56
366.34	0.00	373.24	947.28
366.49	0.00	373.39	995.77
366.64	0.00	373.54	1,044.98
366.79	0.00	373.69	1,094.92
366.94	0.00	373.84	1,145.56
367.09	0.00	373.99	1,196.90
367.24	0.00	374.14	1,248.91
367.39	0.00	374.29	1,301.58
367.54	0.00	374.44	1,354.91
367.69	0.00	374.59	1,408.87
367.84	0.00	374.74	1,463.46
367.99	0.00	374.89	1,518.66
368.14	0.00	375.04	1,574.47
368.29	0.00	375.19	1,630.87
368.44	0.00	375.34	1,687.86
368.59	0.00	375.49	1,745.41
368.74	0.00	375.64	1,803.53
368.89	0.00	375.79	1,862.21
369.04	6.23	375.94	1,921.42
369.19	17.59	376.09	1,981.17
369.34	32.29	376.24	2,041.45
369.49	49.67	376.39	2,102.25
369.64	69.35	376.54	2,163.55
369.79	91.07	376.69	2,225.36
369.94	114.66	376.84	2,287.66
370.09	139.96	376.99	2,350.45
370.24	166.85	377.14	2,413.72
370.39	195.24	377.29	2,477.46
370.54	225.04	377.44	2,541.66
370.69	256.18	377.59	2,606.32
370.84	288.59	377.74	2,671.43
370.99	322.22	377.89	**2,736.99**
371.14	357.02		
371.29	392.95		
371.44	429.96		
371.59	468.01		
371.74	507.08		
371.89	547.12		
372.04	588.12		
372.19	630.03		
372.34	672.85		
372.49	716.53		
372.64	761.07		

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Stage-Area-Storage for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
365.89	0.000	372.79	54.076
366.04	0.000	372.94	57.824
366.19	0.000	373.09	61.573
366.34	0.000	373.24	65.321
366.49	0.000	373.39	69.069
366.64	0.000	373.54	72.817
366.79	0.001	373.69	76.566
366.94	0.001	373.84	80.314
367.09	0.001	373.99	84.062
367.24	0.001	374.14	87.928
367.39	0.001	374.29	92.029
367.54	0.001	374.44	96.129
367.69	0.006	374.59	100.230
367.84	0.010	374.74	104.331
367.99	0.014	374.89	108.432
368.14	0.019	375.04	112.532
368.29	0.023	375.19	116.633
368.44	0.028	375.34	120.734
368.59	0.032	375.49	124.835
368.74	0.036	375.64	128.936
368.89	0.041	375.79	133.133
369.04	0.045	375.94	137.476
369.19	0.191	376.09	141.819
369.34	1.253	376.24	146.161
369.49	2.316	376.39	150.504
369.64	3.379	376.54	154.847
369.79	4.442	376.69	159.190
369.94	5.504	376.84	163.533
370.09	6.567	376.99	167.875
370.24	7.630	377.14	172.218
370.39	8.692	377.29	176.561
370.54	9.755	377.44	180.945
370.69	10.818	377.59	185.376
370.84	12.288	377.74	189.807
370.99	15.390	377.89	**194.237**
371.14	18.492		
371.29	21.593		
371.44	24.695		
371.59	27.797		
371.74	30.899		
371.89	34.000		
372.04	37.102		
372.19	40.204		
372.34	43.305		
372.49	46.580		
372.64	50.328		

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Summary for Pond 2P: Beaver Pond and Wetland Complex

Inflow Area = 1,581.115 ac, 0.11% Impervious, Inflow Depth > 2.11" for 50 yr 24 hr event
Inflow = 2,592.94 cfs @ 12.37 hrs, Volume= 277.806 af
Outflow = 1,220.86 cfs @ 12.82 hrs, Volume= 273.282 af, Atten= 53%, Lag= 27.1 min
Primary = 1,220.86 cfs @ 12.82 hrs, Volume= 273.282 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 374.06' @ 12.82 hrs Storage= 85.793 af

Plug-Flow detention time= 43.6 min calculated for 273.282 af (98% of inflow)
Center-of-Mass det. time= 37.5 min (850.5 - 813.0)

Volume	Invert	Avail.Storage	Storage Description
#1	365.89'	195.419 af	**Custom Stage Data** Listed below

Elevation (feet)	Cum.Store (acre-feet)
365.89	0.000
367.53	0.001
369.17	0.049
370.81	11.668
372.45	45.580
374.09	86.561
375.73	131.396
377.37	178.877
377.93	195.419

Device	Routing	Invert	Outlet Devices
#1	Primary	368.89'	**32.8' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=1,219.86 cfs @ 12.82 hrs HW=374.06' (Free Discharge)
↳**1=Sharp-Crested Rectangular Weir** (Weir Controls 1,219.86 cfs @ 7.43 fps)

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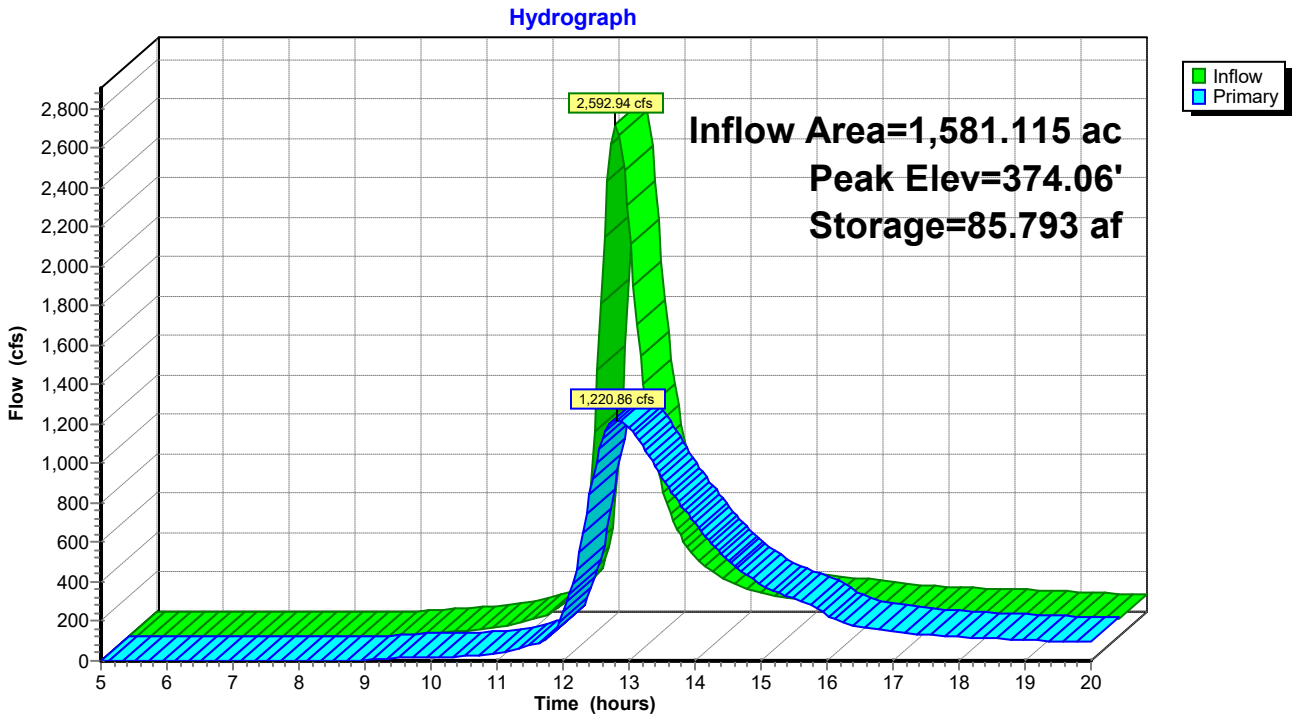
Pond 2P: Beaver Pond and Wetland Complex



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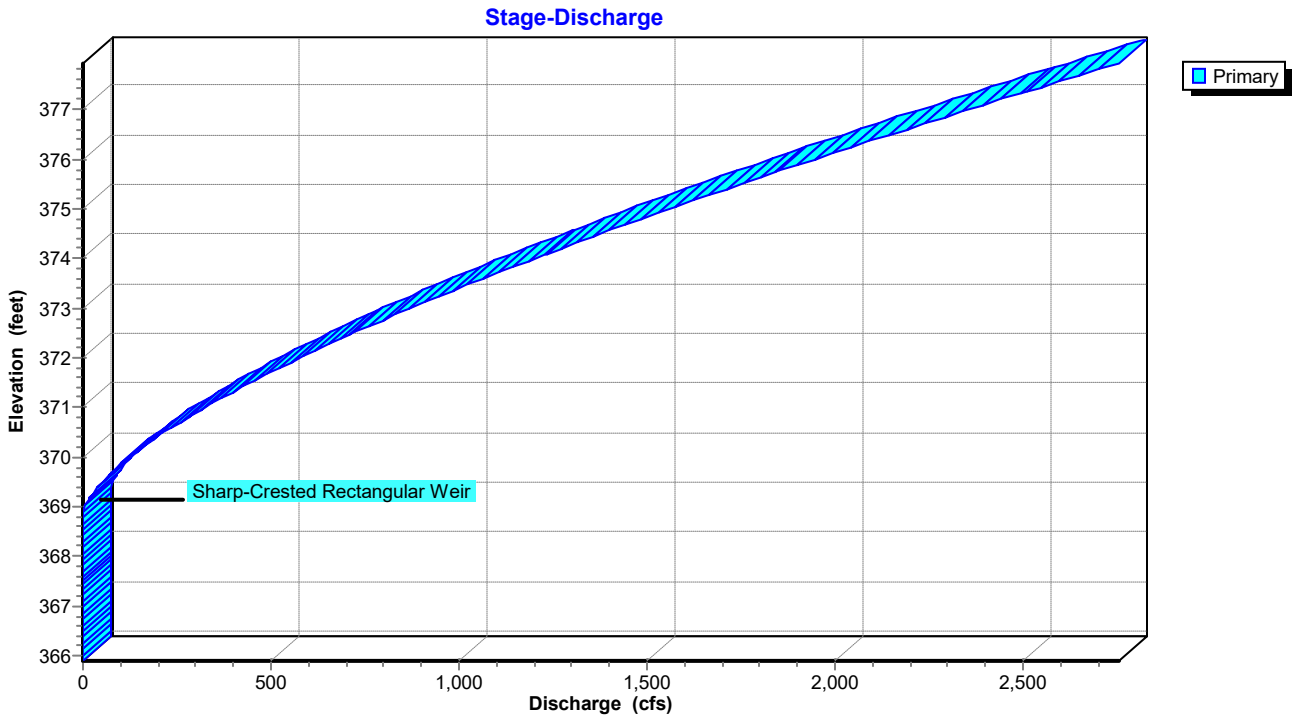
Pond 2P: Beaver Pond and Wetland Complex



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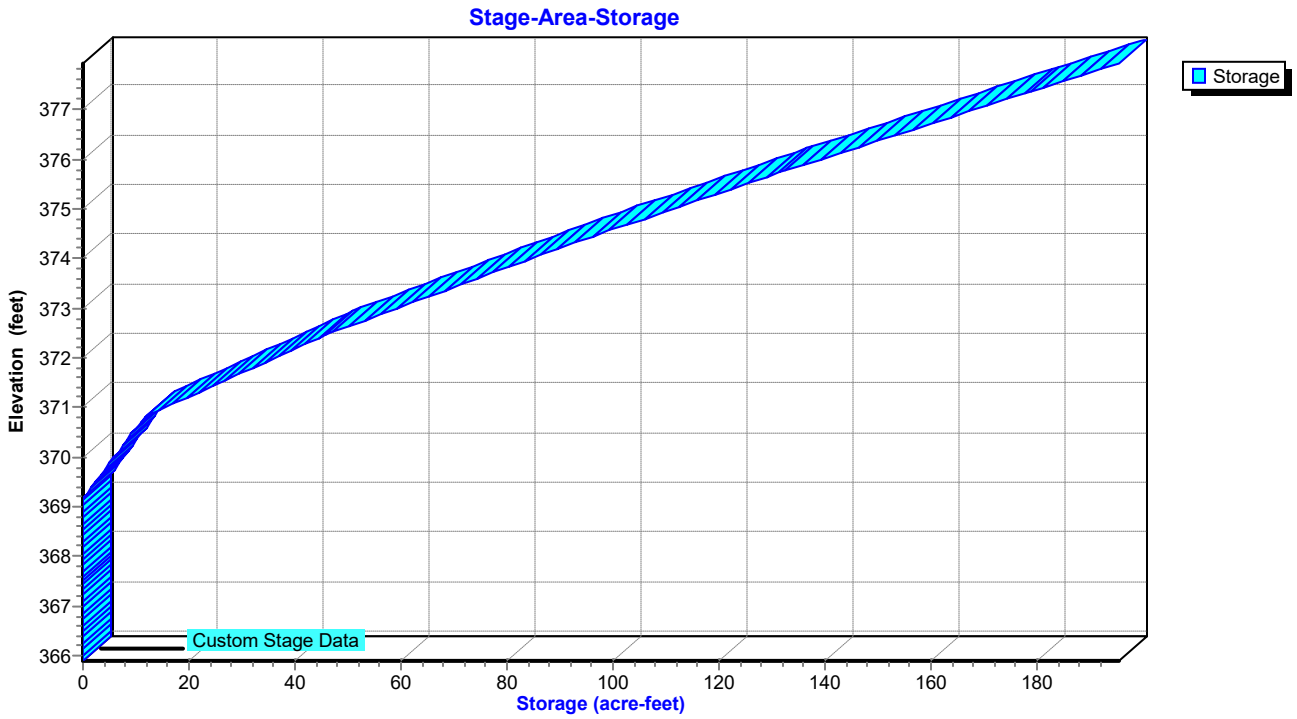
Pond 2P: Beaver Pond and Wetland Complex



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Hydrograph for Pond 2P: Beaver Pond and Wetland Complex

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0.000	365.89	0.00
5.50	0.00	0.000	365.89	0.00
6.00	0.00	0.000	365.89	0.00
6.50	0.00	0.000	365.89	0.00
7.00	0.00	0.000	365.89	0.00
7.50	0.00	0.000	365.89	0.00
8.00	0.00	0.000	365.89	0.00
8.50	0.10	0.001	366.74	0.00
9.00	3.92	0.044	369.01	4.46
9.50	13.23	0.048	369.14	13.12
10.00	24.45	0.162	369.19	17.32
10.50	42.62	0.679	369.26	24.00
11.00	74.81	1.753	369.41	40.29
11.50	138.94	3.690	369.68	75.67
12.00	**772.68**	10.629	370.66	250.65
12.50	**2,361.21**	**69.679**	**373.41**	**1,003.79**
13.00	865.79	**83.184**	**373.95**	**1,184.82**
13.50	433.63	64.170	373.19	932.61
14.00	292.70	45.258	372.43	700.26
14.50	225.96	31.090	371.75	509.59
15.00	195.81	21.336	371.28	389.99
15.50	175.31	14.572	370.95	313.24
16.00	156.21	9.940	370.57	230.43
16.50	138.19	7.847	370.27	172.66
17.00	127.80	6.804	370.12	145.89
17.50	120.50	6.221	370.04	131.67
18.00	113.51	5.822	369.98	122.06
18.50	106.66	5.488	369.94	114.42
19.00	99.63	5.172	369.89	107.20
19.50	92.57	4.860	369.85	100.21
20.00	85.50	4.540	369.80	93.32

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Stage-Discharge for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
365.89	0.00	372.79	806.43
366.04	0.00	372.94	852.60
366.19	0.00	373.09	899.56
366.34	0.00	373.24	947.28
366.49	0.00	373.39	995.77
366.64	0.00	373.54	1,044.98
366.79	0.00	373.69	1,094.92
366.94	0.00	373.84	1,145.56
367.09	0.00	373.99	1,196.90
367.24	0.00	374.14	1,248.91
367.39	0.00	374.29	1,301.58
367.54	0.00	374.44	1,354.91
367.69	0.00	374.59	1,408.87
367.84	0.00	374.74	1,463.46
367.99	0.00	374.89	1,518.66
368.14	0.00	375.04	1,574.47
368.29	0.00	375.19	1,630.87
368.44	0.00	375.34	1,687.86
368.59	0.00	375.49	1,745.41
368.74	0.00	375.64	1,803.53
368.89	0.00	375.79	1,862.21
369.04	6.23	375.94	1,921.42
369.19	17.59	376.09	1,981.17
369.34	32.29	376.24	2,041.45
369.49	49.67	376.39	2,102.25
369.64	69.35	376.54	2,163.55
369.79	91.07	376.69	2,225.36
369.94	114.66	376.84	2,287.66
370.09	139.96	376.99	2,350.45
370.24	166.85	377.14	2,413.72
370.39	195.24	377.29	2,477.46
370.54	225.04	377.44	2,541.66
370.69	256.18	377.59	2,606.32
370.84	288.59	377.74	2,671.43
370.99	322.22	377.89	**2,736.99**
371.14	357.02		
371.29	392.95		
371.44	429.96		
371.59	468.01		
371.74	507.08		
371.89	547.12		
372.04	588.12		
372.19	630.03		
372.34	672.85		
372.49	716.53		
372.64	761.07		

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Stage-Area-Storage for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
365.89	0.000	372.79	54.076
366.04	0.000	372.94	57.824
366.19	0.000	373.09	61.573
366.34	0.000	373.24	65.321
366.49	0.000	373.39	69.069
366.64	0.000	373.54	72.817
366.79	0.001	373.69	76.566
366.94	0.001	373.84	80.314
367.09	0.001	373.99	84.062
367.24	0.001	374.14	87.928
367.39	0.001	374.29	92.029
367.54	0.001	374.44	96.129
367.69	0.006	374.59	100.230
367.84	0.010	374.74	104.331
367.99	0.014	374.89	108.432
368.14	0.019	375.04	112.532
368.29	0.023	375.19	116.633
368.44	0.028	375.34	120.734
368.59	0.032	375.49	124.835
368.74	0.036	375.64	128.936
368.89	0.041	375.79	133.133
369.04	0.045	375.94	137.476
369.19	0.191	376.09	141.819
369.34	1.253	376.24	146.161
369.49	2.316	376.39	150.504
369.64	3.379	376.54	154.847
369.79	4.442	376.69	159.190
369.94	5.504	376.84	163.533
370.09	6.567	376.99	167.875
370.24	7.630	377.14	172.218
370.39	8.692	377.29	176.561
370.54	9.755	377.44	180.945
370.69	10.818	377.59	185.376
370.84	12.288	377.74	189.807
370.99	15.390	377.89	**194.237**
371.14	18.492		
371.29	21.593		
371.44	24.695		
371.59	27.797		
371.74	30.899		
371.89	34.000		
372.04	37.102		
372.19	40.204		
372.34	43.305		
372.49	46.580		
372.64	50.328		

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Summary for Pond 2P: Beaver Pond and Wetland Complex

Inflow Area = 1,581.115 ac, 0.11% Impervious, Inflow Depth > 2.51" for 100 yr 24 hr event
Inflow = 3,085.08 cfs @ 12.37 hrs, Volume= 330.207 af
Outflow = 1,447.82 cfs @ 12.82 hrs, Volume= 325.079 af, Atten= 53%, Lag= 27.0 min
Primary = 1,447.82 cfs @ 12.82 hrs, Volume= 325.079 af

Routing by Stor-Ind method, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Peak Elev= 374.70' @ 12.82 hrs Storage= 103.159 af

Plug-Flow detention time= 44.6 min calculated for 325.079 af (98% of inflow)
Center-of-Mass det. time= 38.7 min (848.1 - 809.4)

Volume	Invert	Avail.Storage	Storage Description
#1	365.89'	195.419 af	**Custom Stage Data** Listed below

Elevation (feet)	Cum.Store (acre-feet)
365.89	0.000
367.53	0.001
369.17	0.049
370.81	11.668
372.45	45.580
374.09	86.561
375.73	131.396
377.37	178.877
377.93	195.419

Device	Routing	Invert	Outlet Devices
#1	Primary	368.89'	**32.8' long Sharp-Crested Rectangular Weir** 2 End Contraction(s)

Primary OutFlow Max=1,446.76 cfs @ 12.82 hrs HW=374.69' (Free Discharge)
↑—**1=Sharp-Crested Rectangular Weir** (Weir Controls 1,446.76 cfs @ 7.88 fps)

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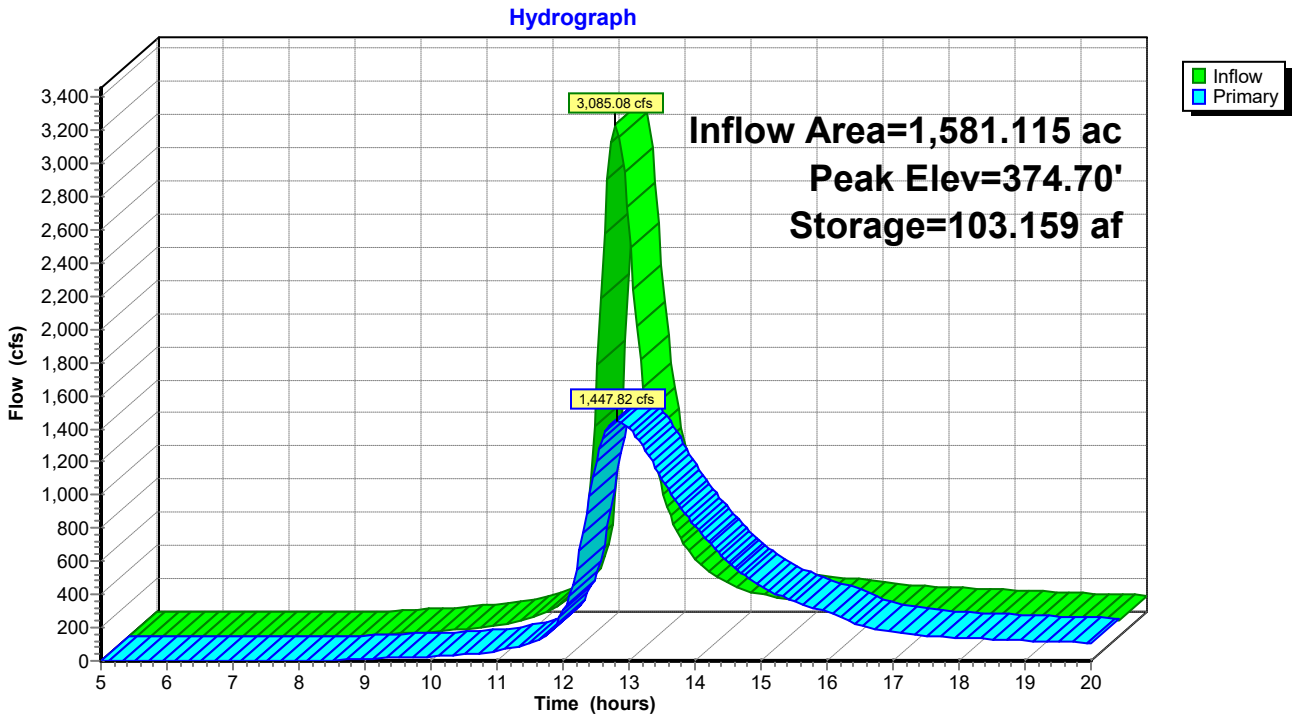
Pond 2P: Beaver Pond and Wetland Complex



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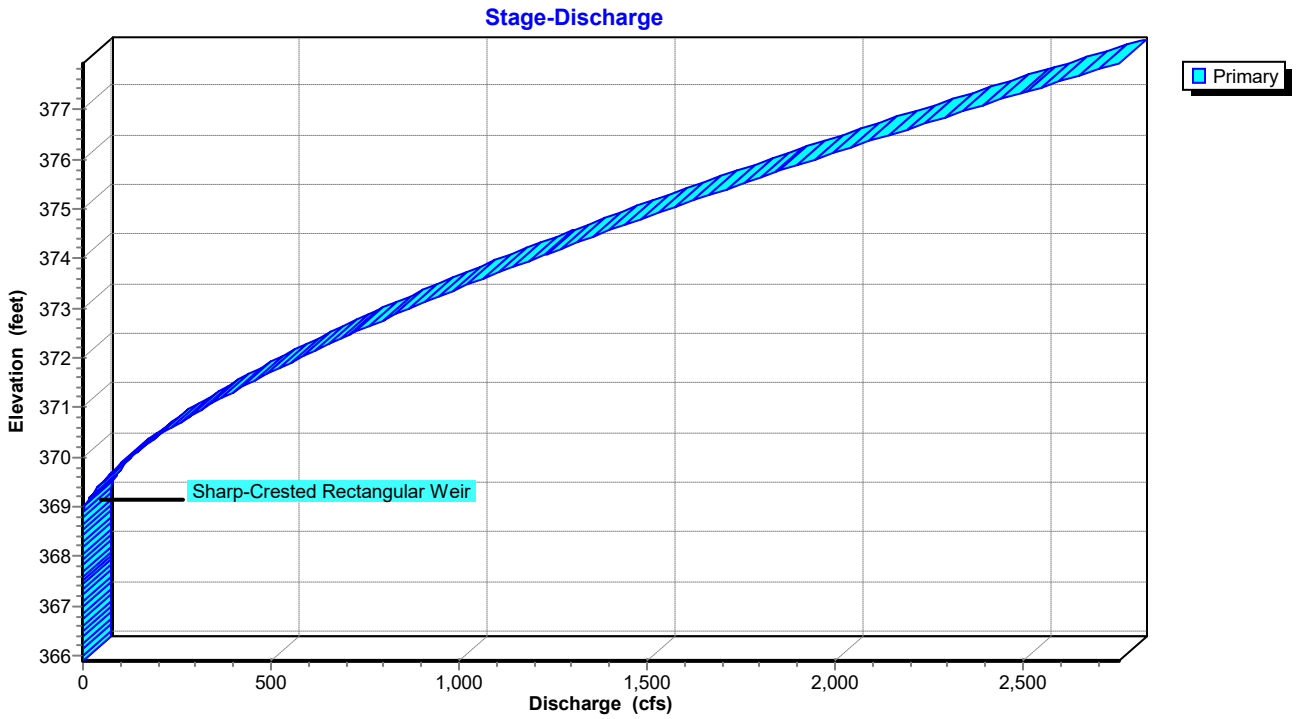

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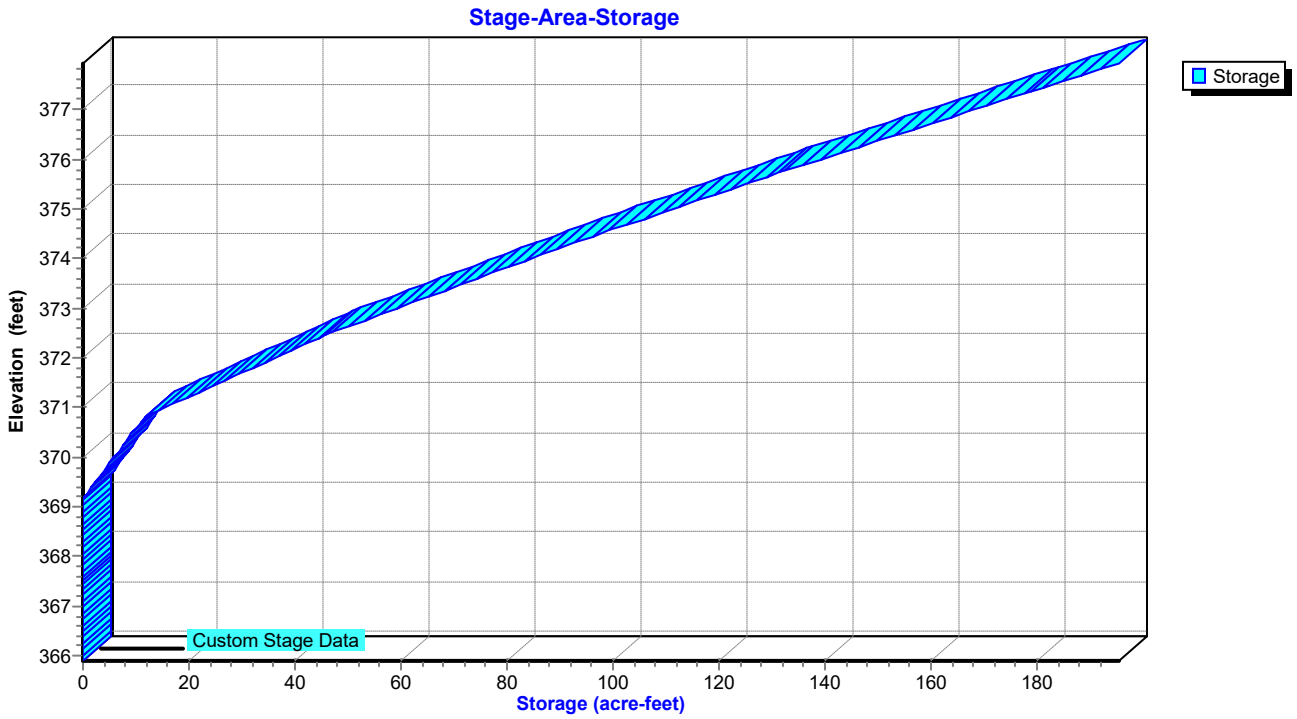

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Hydrograph for Pond 2P: Beaver Pond and Wetland Complex

Time (hours)	Inflow (cfs)	Storage (acre-feet)	Elevation (feet)	Primary (cfs)
5.00	0.00	0.000	365.89	0.00
5.50	0.00	0.000	365.89	0.00
6.00	0.00	0.000	365.89	0.00
6.50	0.00	0.000	365.89	0.00
7.00	0.00	0.000	365.89	0.00
7.50	0.00	0.000	365.89	0.00
8.00	0.23	0.001	367.54	0.00
8.50	4.17	0.044	368.99	3.68
9.00	12.96	0.048	369.13	12.85
9.50	25.75	0.182	369.19	17.58
10.00	39.50	0.675	369.26	23.94
10.50	62.44	1.513	369.38	36.33
11.00	102.98	2.903	369.57	60.44
11.50	182.55	5.219	369.90	108.27
12.00	**951.04**	13.463	370.90	301.28
12.50	**2,796.62**	**84.471**	**374.01**	**1,202.58**
13.00	1,013.64	**99.880**	**374.58**	**1,404.26**
13.50	503.47	76.878	373.70	1,099.13
14.00	338.27	54.607	372.81	812.98
14.50	260.65	37.749	372.07	596.86
15.00	225.63	26.332	371.52	449.98
15.50	201.84	18.591	371.14	358.24
16.00	179.72	13.021	370.88	296.52
16.50	158.88	9.375	370.49	214.28
17.00	146.86	7.816	370.27	171.83
17.50	138.40	7.054	370.16	152.21
18.00	130.31	6.578	370.09	140.28
18.50	122.40	6.197	370.04	131.09
19.00	114.29	5.846	369.99	122.64
19.50	106.15	5.499	369.94	114.66
20.00	98.01	5.145	369.89	106.59

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Stage-Discharge for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
365.89	0.00	372.79	806.43
366.04	0.00	372.94	852.60
366.19	0.00	373.09	899.56
366.34	0.00	373.24	947.28
366.49	0.00	373.39	995.77
366.64	0.00	373.54	1,044.98
366.79	0.00	373.69	1,094.92
366.94	0.00	373.84	1,145.56
367.09	0.00	373.99	1,196.90
367.24	0.00	374.14	1,248.91
367.39	0.00	374.29	1,301.58
367.54	0.00	374.44	1,354.91
367.69	0.00	374.59	1,408.87
367.84	0.00	374.74	1,463.46
367.99	0.00	374.89	1,518.66
368.14	0.00	375.04	1,574.47
368.29	0.00	375.19	1,630.87
368.44	0.00	375.34	1,687.86
368.59	0.00	375.49	1,745.41
368.74	0.00	375.64	1,803.53
368.89	0.00	375.79	1,862.21
369.04	6.23	375.94	1,921.42
369.19	17.59	376.09	1,981.17
369.34	32.29	376.24	2,041.45
369.49	49.67	376.39	2,102.25
369.64	69.35	376.54	2,163.55
369.79	91.07	376.69	2,225.36
369.94	114.66	376.84	2,287.66
370.09	139.96	376.99	2,350.45
370.24	166.85	377.14	2,413.72
370.39	195.24	377.29	2,477.46
370.54	225.04	377.44	2,541.66
370.69	256.18	377.59	2,606.32
370.84	288.59	377.74	2,671.43
370.99	322.22	377.89	**2,736.99**
371.14	357.02		
371.29	392.95		
371.44	429.96		
371.59	468.01		
371.74	507.08		
371.89	547.12		
372.04	588.12		
372.19	630.03		
372.34	672.85		
372.49	716.53		
372.64	761.07		

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Stage-Area-Storage for Pond 2P: Beaver Pond and Wetland Complex

Elevation (feet)	Storage (acre-feet)	Elevation (feet)	Storage (acre-feet)
365.89	0.000	372.79	54.076
366.04	0.000	372.94	57.824
366.19	0.000	373.09	61.573
366.34	0.000	373.24	65.321
366.49	0.000	373.39	69.069
366.64	0.000	373.54	72.817
366.79	0.001	373.69	76.566
366.94	0.001	373.84	80.314
367.09	0.001	373.99	84.062
367.24	0.001	374.14	87.928
367.39	0.001	374.29	92.029
367.54	0.001	374.44	96.129
367.69	0.006	374.59	100.230
367.84	0.010	374.74	104.331
367.99	0.014	374.89	108.432
368.14	0.019	375.04	112.532
368.29	0.023	375.19	116.633
368.44	0.028	375.34	120.734
368.59	0.032	375.49	124.835
368.74	0.036	375.64	128.936
368.89	0.041	375.79	133.133
369.04	0.045	375.94	137.476
369.19	0.191	376.09	141.819
369.34	1.253	376.24	146.161
369.49	2.316	376.39	150.504
369.64	3.379	376.54	154.847
369.79	4.442	376.69	159.190
369.94	5.504	376.84	163.533
370.09	6.567	376.99	167.875
370.24	7.630	377.14	172.218
370.39	8.692	377.29	176.561
370.54	9.755	377.44	180.945
370.69	10.818	377.59	185.376
370.84	12.288	377.74	189.807
370.99	15.390	377.89	**194.237**
371.14	18.492		
371.29	21.593		
371.44	24.695		
371.59	27.797		
371.74	30.899		
371.89	34.000		
372.04	37.102		
372.19	40.204		
372.34	43.305		
372.49	46.580		
372.64	50.328		

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