

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			Thursday, Aug 27 2026, 2:35 PM	

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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			Thursday, Aug 27 2026, 2:35 PM	

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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			Thursday, Aug 27 2026, 2:35 PM	

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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			Thursday, Aug 27 2026, 2:35 PM	

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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			Thursday, Aug 27 2026, 2:35 PM	

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
Proj. file: 1127.gpw Thursday, Aug 27 2026, 2:35 PM											Hydraflow Hydrographs by Intelisolve