

**Lowell Wastewater Utility
High Flow Management Monthly Summary
January 2022 - December 2022**

Date	Clean Water Discharge		Duck Island Rain		Treated High Flow			All Diversions		
	Flow (MG)	Peak Hour (MGD)	Rain Days	Rain Inches	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)
Jan 2022	773	64.0	9	2.1	1	9.9	3.1	1	7.2	51.40
Feb 2022	984	107.6	11	3.5	7	57.1	79.6	2	5.2	18.54
Mar 2022	964	89.6	12	2.4	5	14.3	12.3			
Apr 2022	879	107.0	13	3.3	4	19.9	26.0	2	2.7	15.00
May 2022	748	105.4	10	1.6	2	8.6	15.8	2	2.0	11.09
Jun 2022	638	94.6	10	1.9	4	16.0	18.8	3	1.8	8.18
Jul 2022	588	86.0	7	1.9	3	8.9	12.9	2	1.6	20.40
Aug 2022	526	88.3	8	0.7	1	2.7	3.0			
Sep 2022	709	109.9	10	5.1	7	36.4	68.6	4	7.4	52.81
Oct 2022	674	99.1	13	3.1	4	16.5	23.6	3	1.9	11.77
Nov 2022	614	91.1	11	2.7	4	9.6	7.7	2	4.4	11.11
Dec 2022	876	110.0	12	5.2	5	49.1	78.2	2	11.9	28.51
Total	8,972	1,152.4	126	33.5	47	249.0	349.4	23	46.0	228.8
Max	984	110.0	13	5.2	7	57.1	79.6	4	11.9	52.8

Date	Barasford Street			Beaver Brook			Merrimack Street			Read Street			Tilden Street			Walker Street			Warren Street			West Street		
	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)	Event (No.)	Duration (Hours)	Volume (MG)
Jan 2022	1	5.7	7.87	1	2.7	2.39	1	5.2	15.16				1	2.9	1.72	1	1.9	0.54	1	2.5	5.32	1	7.2	18.40
Feb 2022	1	4.0	5.37	1	0.3	0.02	2	4.9	4.85													1	5.2	8.30
Mar 2022																								
Apr 2022	1	1.9	2.67	1	1.1	0.80	1	2.0	2.54				2	2.2	1.01	1	0.3	0.02	1	1.4	2.26	1	2.7	5.70
May 2022				2	1.0	0.54	1	2.0	2.34				2	1.1	1.43	1	0.4	0.13	2	1.2	4.55	1	1.0	2.10
Jun 2022	1	0.6	1.01	2	1.2	0.89	2	1.4	1.86				2	1.8	0.76				2	1.1	1.56	1	1.1	2.10
Jul 2022	2	1.0	1.28	2	1.3	1.14	2	1.6	3.96	2	0.2	0.02	2	1.5	2.32	2	1.0	0.89	2	1.4	7.69	2	1.0	3.10
Aug 2022																								
Sep 2022	3	7.4	11.53	3	3.4	4.11	3	4.7	5.58				4	6.4	5.85	2	2.8	5.66	3	3.9	11.38	3	3.0	8.70
Oct 2022	2	0.9	1.21	3	1.0	0.64	2	1.4	2.64				3	1.8	1.17	2	0.7	0.23	3	1.2	2.58	2	1.9	3.30
Nov 2022	2	4.4	6.72				2	4.2	3.50				1	0.7	0.09							1	0.4	0.80
Dec 2022	1	3.4	5.99	1	0.3	0.02	2	11.9	8.13				1	2.7	0.42				1	0.4	0.45	1	7.9	13.50
Total	14	29.2	43.7	16	12.1	10.6	18	39.2	50.6	2	0.2	0.0	18	21.2	14.8	9	7.0	7.5	15	13.0	35.8	14	31.2	66.0
Max	3	7.4	11.5	3	3.4	4.1	3	11.9	15.2	2	0.2	0.0	4	6.4	5.9	2	2.8	5.7	3	3.9	11.4	3	7.9	18.4