

**Lowell Wastewater Utility
High Flow Management Monthly Summary
January 2021 - December 2021**

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 2021	887	106.3	6	2.4	2	20.7	18.4	1	4.9	16.86
Feb 2021	704	104.1	11	2.2	1	5.1	9.5			
Mar 2021	854	72.4	7	1.9	4	11.3	6.3			
Apr 2021	937	97.5	10	6.7	7	45.5	53.6	2	13.3	86.52
May 2021	1,082	100.9	15	5.4	11	73.3	80.0	2	4.4	13.39
Jun 2021	787	94.4	10	1.9	4	13.4	13.6	1	0.6	2.17
Jul 2021	1,189	109.6	22	9.3	15	86.4	118.2	7	14.4	145.32
Aug 2021	898	105.0	9	4.4	8	34.2	47.0	3	3.0	37.09
Sep 2021	986	112.1	12	5.8	6	34.1	54.2	5	8.7	92.74
Oct 2021	968	109.1	10	6.3	7	54.6	72.2	5	8.4	20.56
Nov 2021	928	103.1	8	2.5	3	12.3	13.9	1	3.0	31.65
Dec 2021	855	91.7	14	3.5	6	18.4	19.4	1	0.7	1.16
Total	11,077	1,206.1	134	52.3	74	409.2	506.4	28	61.2	447.5
Max	1,189	112.1	22	9.3	15	86.4	118.2	7	14.4	145.3

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 2021	1	3.5	4.77	1	0.7	0.05	1	4.9	7.33				1	2.8	0.43				1	0.6	0.28	1	2.2	4.00
Feb 2021																								
Mar 2021																								
Apr 2021	1	9.8	15.54	1	2.7	1.50	1	9.1	14.25				1	5.4	3.54	1	2.6	4.22	1	3.3	13.57	2	13.3	33.90
May 2021	1	2.6	3.49	1	0.6	0.13	1	2.3	3.22				1	1.3	0.43				1	0.6	0.72	2	4.4	5.40
Jun 2021													1	0.2	0.03				1	0.6	2.14			
Jul 2021	4	6.5	9.67	5	7.0	11.79	6	11.6	21.50				6	10.4	11.99	5	5.4	13.51	5	7.5	30.36	6	14.4	46.50
Aug 2021	1	1.4	2.26	2	1.6	3.36	3	3.0	7.12				2	2.9	3.02	1	1.3	4.16	2	2.1	10.77	2	1.5	6.40
Sep 2021	3	7.5	10.24	5	6.3	7.02	3	7.7	16.34	1	0.1	0.02	5	7.7	7.01	2	4.0	5.58	3	6.1	16.53	3	8.7	30.00
Oct 2021	3	2.9	4.03	1	0.4	0.12	3	5.0	5.06				4	1.5	0.72				1	0.6	0.63	3	8.4	10.00
Nov 2021	1	0.8	1.55	1	1.1	2.23	1	2.1	4.88				1	1.3	2.24	1	1.1	3.68	1	1.3	9.27	1	3.0	7.80
Dec 2021				1	0.2	0.05	1	0.7	0.77				1	0.4	0.06				1	0.3	0.28			
Total	15	34.9	51.55	18	20.6	26.25	20	46.4	80.47	1	0.1	0.02	23	33.7	29.47	10	14.4	31.15	17	22.8	84.55	20	55.8	144.00
Max	4	9.8	15.54	5	7.0	11.79	6	11.6	21.50	1	0.1	0.02	6	10.4	11.99	5	5.4	13.51	5	7.5	30.36	6	14.4	46.50