

Lake Hopatcong *In-Situ* Monitoring Data 2022.07.25

Station	Depth (m)		Temp. °C	SpC µg/L	DO		pH s.u.	
	Total	Secchi			Sample	Conc. (mg/L)		Sat. (%)
STA-1	1.80	0.80	0.1	28.62	401.0	6.70	89.5	7.3
			1.0	28.69	401.0	6.58	86.8	7.3
			1.6	28.73	401.0	6.39	85.2	7.3
STA-2	14.30	1.70	0.1	27.50	453.0	7.50	93.4	7.7
			1.0	27.48	453.0	7.51	98.4	7.7
			2.0	27.47	453.0	7.46	97.7	7.7
			3.0	27.45	453.0	7.42	97.1	7.6
			4.0	27.41	453.0	7.33	95.9	7.4
			5.0	26.20	449.0	3.64	76.6	6.8
			6.0	21.44	440.0	0.00	0.0	6.5
			7.0	17.15	434.0	0.00	0.0	6.5
			8.0	15.38	431.0	0.00	0.0	6.4
			9.0	13.27	432.0	0.00	0.0	6.4
			10.0	12.20	431.0	0.00	0.0	6.5
			11.0	11.56	434.0	0.00	0.0	6.5
			12.0	11.61	440.0	0.00	0.0	6.7
			13.0	10.88	447.0	0.00	0.0	6.7
14.0	10.61	467.0	0.00	0.0	6.9			
STA-3	2.20	0.50	0.1	28.32	541.0	6.69	89.2	7.7
			1.0	28.44	597.0	6.71	89.3	7.8
			2.0	28.34	581.0	6.43	85.4	7.7
STA-4	3.00	1.20	0.1	27.13	453.0	6.05	86.7	7.4
			1.0	27.16	452.0	6.00	86.0	7.4
			2.0	27.15	452.0	6.49	84.4	7.3
			2.7	26.98	452.0	5.34	69.4	7.2
STA-5	2.30	0.80	0.1	27.91	455.0	6.47	85.4	7.3
			1.0	27.76	454.0	5.59	73.1	7.3
			2.0	27.37	453.0	4.08	53.1	7.1
STA-6	3.10	1.00	0.1	28.32	451.0	7.17	95.6	7.5
			1.0	28.43	452.0	7.11	94.8	7.5
			2.0	28.43	452.0	6.94	92.3	7.5
			3.0	28.39	452.0	6.76	89.4	7.4
STA-7	1.50	0.90	0.1	28.43	335.0	6.38	84.9	7.4
			1.0	28.52	433.0	6.36	84.6	7.4
STA-8	7.20	1.50	0.1	27.90	454.0	7.68	101.1	7.9
			1.0	27.92	454.0	7.67	101.2	7.9
			2.0	27.90	454.0	7.59	99.9	7.8
			3.0	27.88	454.0	7.54	99.4	7.7
			4.0	27.86	454.0	7.50	98.9	7.7
			5.0	27.52	452.0	6.71	87.8	7.4
			6.0	23.04	437.0	0.00	0.0	6.6
			7.0	17.81	432.0	0.00	0.0	7.0
STA-9	7.50	1.30	0.1	28.09	454.0	7.99	105.7	7.9
			1.0	28.13	453.0	8.05	106.6	7.9
			2.0	28.13	453.0	7.96	105.5	7.8
			3.0	28.14	453.0	7.94	105.2	7.8
			4.0	27.87	454.0	6.43	84.5	7.3
			5.0	26.55	449.0	4.31	55.5	6.9
			6.0	23.48	438.0	0.00	0.0	6.6
			7.0	19.62	440.0	0.00	0.0	6.5
STA-10	1.40	0.70	0.1	28.34	430.0	7.69	102.3	7.8
			1.0	28.52	429.0	7.59	100.9	7.1
STA-11	1.20	1.00	0.1	27.98	432.0	4.68	62.8	7.1
			1.0	27.93	432.0	4.58	60.3	7.1

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Station	Depth (m)		Temp. °C	SpC µg/L	DO		pH s.u.	
	Total	Secchi			Conc. (mg/L)	Sat. (%)		
Byram Bay	10.3	1.4	0.2	27.82	455.7	8.25	107.4	7.82
			1.0	27.79	456.3	8.26	107.9	7.97
			2.0	27.75	456.0	8.14	106.2	7.92
			3.0	27.73	455.9	8.05	105.1	7.88
			4.0	27.70	456.0	7.93	103.5	7.80
			5.0	26.68	453.1	5.15	65.9	7.20
			5.3	25.12	446.6	1.92	23.4	6.82
			6.0	22.04	433.2	0.00	0.0	6.65
			7.0	19.72	447.0	0.00	0.0	6.60
			8.0	16.80	442.5	0.00	0.0	6.55
			9.0	14.30	440.5	0.00	0.0	6.54
		10.0	12.54	445.5	0.00	0.0	6.55	
Halsey Island	10.2	1.5	0.3	27.55	456.2	8.03	104.6	8.00
			1.0	27.56	456.3	8.03	104.5	8.01
			2.0	27.56	456.4	8.01	104.3	7.96
			3.0	27.55	456.5	7.96	103.8	7.91
			4.0	27.47	456.1	7.69	99.7	7.78
			5.0	26.72	454.3	5.89	75.6	7.30
			5.3	25.57	449.6	3.48	43.7	6.70
			6.0	24.50	441.1	1.22	15.0	6.50
			7.0	18.76	446.2	0.00	0.0	6.54
			8.0	15.70	440.5	0.00	0.0	6.53
			9.0	13.20	439.5	0.00	0.0	6.52
		10.0	12.38	440.1	0.00	0.0	6.55	
Mid-Lake	14.5	1.5	0.2	27.56	456.6	8.06	104.9	7.99
			1.0	27.54	456.7	8.09	105.4	7.99
			2.0	27.54	456.7	8.08	105.3	7.97
			3.0	27.53	456.7	8.01	104.3	7.83
			4.0	27.53	456.7	7.97	103.6	7.72
			5.0	27.46	456.6	7.78	100.8	7.02
			5.3	26.90	455.9	6.77	87.3	7.01
			5.6	26.17	452.9	4.74	60.2	6.75
			6.0	25.44	449.2	3.68	38.7	6.55
			7.0	18.83	442.9	0.00	0.0	6.50
			8.0	15.20	436.6	0.00	0.0	6.46
			9.0	13.59	436.2	0.00	0.0	6.50
			10.0	12.49	438.9	0.00	0.0	6.59
			11.0	12.00	436.5	0.00	0.0	6.68
			12.0	11.50	438.5	0.00	0.0	6.75
13.0	11.00	450.0	0.00	0.0	6.85			
14.0	10.77	455.8	0.00	0.0	6.93			
Great Cove	7.3	1.5	0.2	27.94	457.0	8.13	106.2	7.48
			1.0	27.65	456.3	8.13	106.1	7.56
			2.0	27.65	456.3	8.16	106.6	7.65
			3.0	27.62	456.3	8.14	106.1	7.71
			4.0	27.15	455.2	6.71	86.7	7.30
			5.0	26.76	454.9	6.22	79.9	7.20
			5.3	26.45	453.3	5.36	68.3	7.13
			5.6	26.38	452.9	5.18	65.9	7.12
			6.0	26.28	453.1	5.12	65.2	7.10
			6.3	24.69	443.9	1.30	16.1	6.80
7.0	19.85	446.8	0.00	0.0	6.82			
King's Cove	3	1	0.2	27.17	455.8	6.95	89.9	7.51
			1.0	27.17	456.1	6.97	90.1	7.52
			2.0	27.10	455.8	6.87	88.8	7.49
			2.8	26.80	457.8	2.18	28.0	7.07

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Station	Depth (m)		Temp. °C	SpC µg/L	DO		pH s.u.	
	Total	Secchi			Conc. (mg/L)	Sat. (%)		
Byram Bay	10.3	1.2	0.2	25.37	453.5	7.81	98.2	7.48
			1.0	25.41	453.8	7.84	98.3	7.53
			2.0	25.37	453.7	7.82	98.4	7.54
			3.0	25.31	453.7	7.74	97.0	7.51
			4.0	25.19	453.1	7.46	93.2	7.45
			5.0	25.14	453.1	7.37	92.2	7.42
			5.3	25.13	453.0	7.30	91.4	7.40
			5.6	25.12	453.1	7.30	91.2	7.40
			6.0	25.11	453.0	7.23	90.0	7.38
			6.3	25.04	452.8	6.84	85.3	7.35
			6.6	24.76	451.2	6.31	77.3	7.26
			7.0	19.41	451.2	0.00	0.0	7.07
8.0	16.14	443.0	0.00	0.0	6.85			
9.0	13.44	443.7	0.00	0.0	6.70			
10.0	12.41	447.0	0.00	0.0	6.67			
Halsey Island	10.2	1.3	0.3	25.34	455.1	8.02	101.0	7.62
			1.0	25.37	454.7	8.01	100.5	7.68
			2.0	25.34	454.7	7.99	100.4	7.66
			3.0	25.30	454.2	7.90	98.9	7.66
			4.0	25.26	454.7	7.81	97.7	7.59
			4.6	25.21	454.9	7.76	97.3	7.53
			5.0	24.70	449.2	4.12	51.1	7.22
			6.0	24.00	447.9	2.74	35.0	6.98
			7.0	19.71	448.9	0.00	0.0	6.93
			8.0	15.22	440.8	0.00	0.0	6.78
			9.0	13.66	439.9	0.00	0.0	6.67
10.0	12.71	440.4	0.00	0.0	6.67			
Mid-Lake	14.5	1.3	0.2	25.49	456.4	7.98	100.6	7.74
			1.0	25.47	456.4	7.98	100.4	7.73
			2.0	25.45	456.7	7.95	99.9	7.72
			3.0	25.46	456.3	7.86	98.9	7.68
			4.0	25.41	456.3	7.72	97.1	7.63
			5.0	24.99	453.2	5.82	72.1	7.25
			5.3	24.85	452.0	5.36	66.7	7.20
			5.6	24.72	454.4	4.99	61.0	7.06
			6.0	24.40	449.7	3.75	46.7	6.99
			7.0	19.55	451.0	0.00	0.0	6.96
			8.0	15.81	438.7	0.00	0.0	6.75
			9.0	13.82	437.6	0.00	0.0	6.61
			10.0	12.55	430.3	0.00	0.0	6.64
			11.0	11.73	435.5	0.00	0.0	6.63
12.0	11.25	441.6	0.00	0.0	6.64			
13.0	10.89	447.9	0.00	0.0	6.69			
14.0	10.67	455.2	0.00	0.0	6.65			
Great Cove	7.3	1.2	0.2	25.47	455.1	8.33	104.9	7.61
			1.0	25.43	455.1	8.36	105.1	7.69
			2.0	25.43	454.8	8.32	104.7	7.76
			3.0	25.27	454.4	7.82	97.4	7.63
			4.0	25.11	454.6	7.00	94.9	7.57
			5.0	24.95	455.4	7.30	91.2	7.49
			5.3	24.81	455.6	6.90	85.4	7.41
			5.6	24.50	454.9	5.63	69.6	7.21
			6.0	23.52	443.4	1.36	16.0	6.91
7.0	17.84	448.7	0.00	0.0	6.96			
King's Cove	3	0.9	0.2	25.22	457.3	7.81	97.9	7.62
			1.0	25.19	454.4	7.80	94.6	7.59
			2.0	25.19	454.5	7.67	95.9	7.58
			2.5	25.16	457.6	7.17	90.1	7.47