

Loon Lake

(Approximate maximum depth: 5.9 m)

LAKE LOON, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

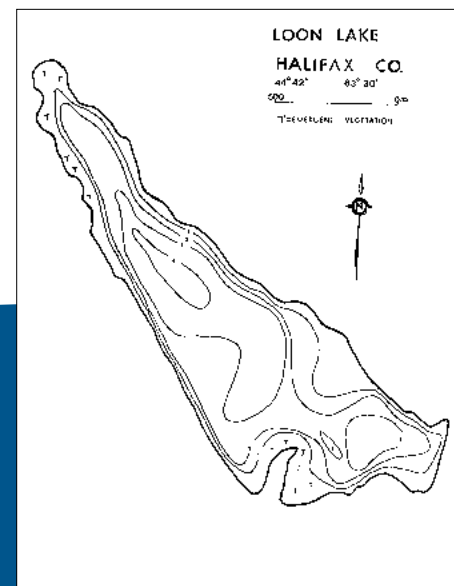
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	April 25	August 12	April 17	August 8	April 22	August 19
Secchi Depth	4.8 m	3.4 m	3.6 m	2.1 m	4.4 m	3.7 m
Surface pH	5.00	7.38	7.22	6.89	7.35	7.15
Surface SpC	0.2603 ms/cm	0.3927 ms/cm	0.3366 ms/cm	0.2743 ms/cm	0.2840 ms/cm	0.3070 ms/cm
Surface Temp	8.2 °C	24.0 °C	10.5 °C	23.3 °C	10.5 °C	24.3 °C
Surface DO	11.4 mg/L	7.77 mg/L	11.76 mg/L	7.93 mg/L	11.09 mg/L	8.46 mg/L
Summer Stratified?		No		Yes		No
Thermocline Depth (from lake surface)		n/a		4 m		n/a
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		0.9 m (15%)		n/a
Strength of evidence for Internal Loading		None		Weak		Weak
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	85 mg/L	88 mg/L	77 mg/L	59 mg/L	65 mg/L	66 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	ND / ND	ND / ND	28 / 34	Not Collected	150 / 14

*ND = 'non-detect' for E.coli, indicating less than 2 CFU / 100 ml

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Satellite Imagery Map of Loon Lake w/ Sampling Locations



Bathymetry Map of Loon Lake