

Lemont Lake

(Approximate maximum depth: 6.1 m)

DARTMOUTH, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

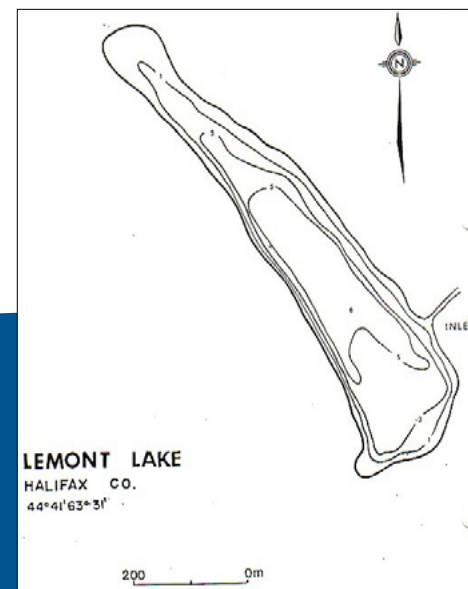
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 6	August 15	April 17	August 8	April 22	August 19
Secchi Depth	4.8 m	4.6 m	5.0 m	2.9 m	3.8 m	5.9 m
Surface pH	6.21	6.74	7.84	6.24	6.53	6.33
Surface SpC	0.0401 ms/cm	0.0688 ms/cm	0.0634 ms/cm	0.0558 ms/cm	0.0560 ms/cm	0.0640 ms/cm
Surface Temp	11.2 °C	24.4 °C	10.5 °C	23.0 °C	10.2 °C	24.1 °C
Surface DO	12.46 mg/L	7.81 mg/L	11.37 mg/L	7.61 mg/L	11.05 mg/L	7.95 mg/L
Summer Stratified?		No		Yes		No
Thermocline Depth (from lake surface)		n/a		3 m		n/a
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		n/a		n/a
Strength of evidence for Internal Loading		None		None		None
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Mesotrophic		Oligotrophic
Deepwater Chloride	12 mg/L	12 mg/L	11 mg/L	7.7 mg/L	11 mg/L	13 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	10 / 20	ND / ND	12 / 22	Not Collected	14 / 4

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

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Satellite Imagery Map of Lemont Lake w/ Sampling Locations



Bathymetry Map of Lemont Lake