

Moody Lake

(Approximate maximum depth: 13.2 m)

WILLIAMSWOOD, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

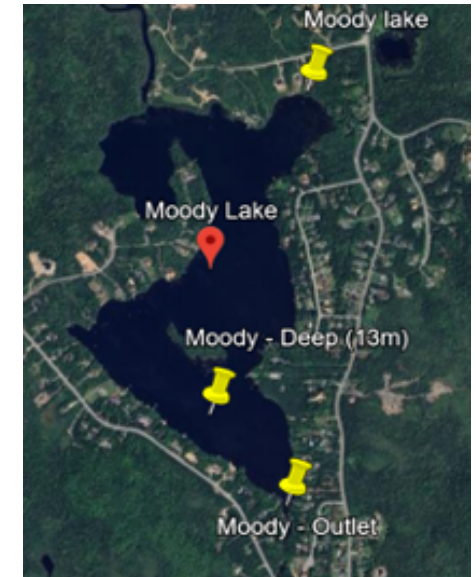
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 11	September 1	April 19	August 23	May 3	August 27
Secchi Depth	1.5 m	1.1 m	1.2 m	0.6 m	1.5 m	1.5 m
Surface pH	6.56	6.62	5.57	5.33	5.26	5.99
Surface SpC	0.0518 ms/cm	0.0527 ms/cm	0.0601 ms/cm	0.0389 ms/cm	0.0496 ms/cm	0.0590 ms/cm
Surface Temp	11.7 °C	24.5 °C	10.8 °C	22.5 °C	11.0 °C	23.8 °C
Surface DO	10.15 mg/L	8.11 mg/L	11.08 mg/L	7.16 mg/L	10.55 mg/L	7.92 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		3.5 m		3 m		2 m
Anoxic Layer Thickness (from lakebed at deepest location)		8.7 m (66%)		None		3.2 m (24%)
Strength of evidence for Internal Loading		None		Strong		None
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Ultraoligo-trophic		Mesotrophic
Deepwater Chloride	12 mg/L	11 mg/L	13 mg/L	9.7 mg/L	9.7 mg/L	10 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / 32	ND / 2	ND / 4	4 / ND	Not Collect-ed	ND / ND

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

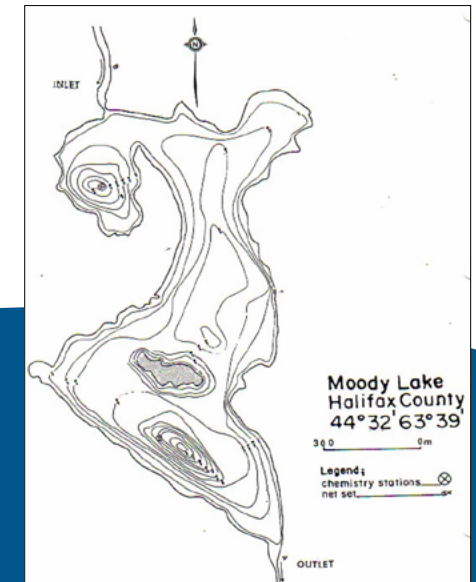
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Satellite Imagery Map of Moody Lake w/ Sampling Locations



Bathymetry Map of Moody Lake