

Hubley Big Lake

(Approximate maximum depth: 13.8 m)

HUBLEY, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

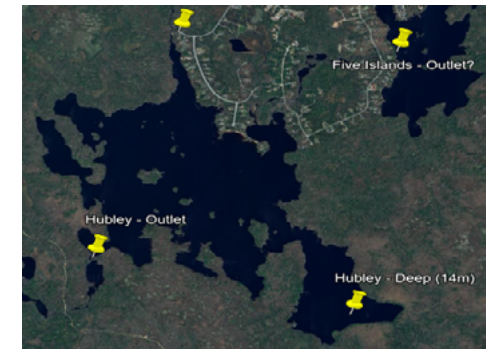
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Collaborative	Volunteer
Date	May 12	August 24	April 26	August 16	April 24	August 25
Secchi Depth	1.7 m	1.7 m	1.8 m	0.9 m	1.3 m	1.8 m
Surface pH	5.55	5.45	5.10	5.58	5.58	5.43
Surface SpC	0.0372 ms/cm	0.0491 ms/cm	0.0410 ms/cm	0.0417 ms/cm	0.0349 ms/cm	0.0473 ms/cm
Surface Temp	12.6 °C	23.6 °C	11.6 °C	22.2 °C	9.9 °C	24.1 °C
Surface DO	10.09 mg/L	8.18 mg/L	10.92 mg/L	7.91 mg/L	11.21 mg/L	6.98 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		4.5 m		4 m		4 m
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		n/a		3.8 m (28%)
Strength of evidence for Internal Loading		Strong		Moderate		Strong
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	6.6 mg/L	6.4 mg/L	8 mg/L	12 mg/L	5.5 mg/L	7.6 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	4 / ND	ND / ND	ND / 2	Not Collect-ed	ND / ND

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

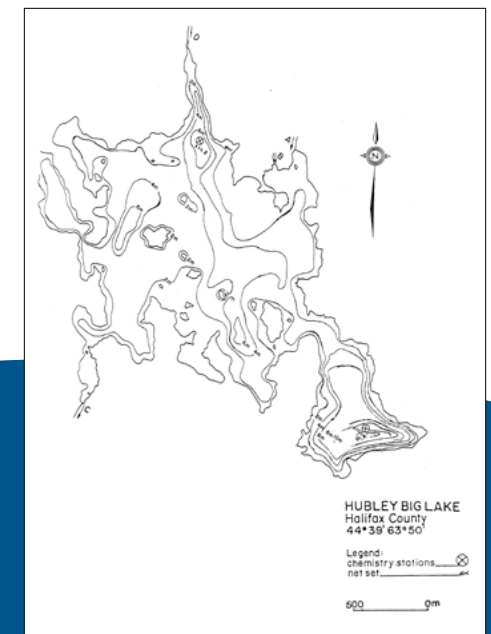
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Climate
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Satellite Imagery Map of Hubley Big Lake w/ Sampling Locations



Bathymetry Map of Hubley Big Lake