

Five Island Lake

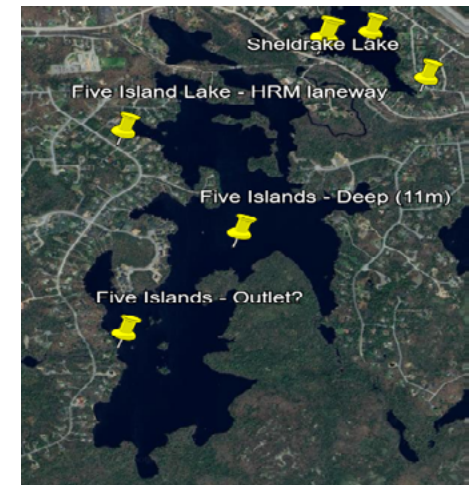
(Approximate maximum depth: 9.5 m)

HUBLEY, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

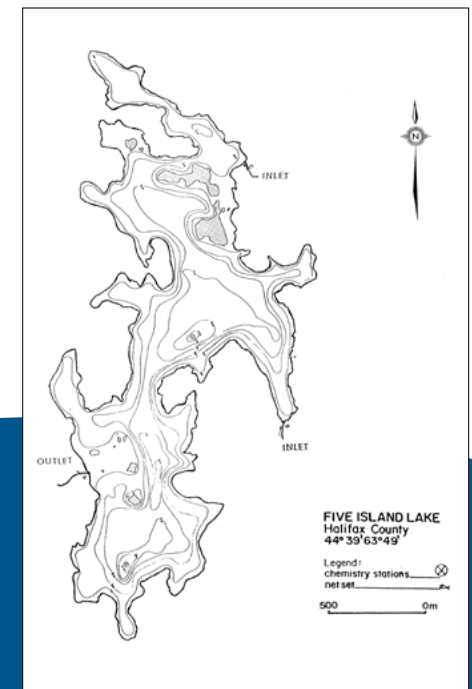
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Volunteer	Volunteer	Volunteer
Date	May 2	August 15	April 17	August 23	May 5	August 11
Secchi Depth	2.1 m	2.4 m	1.5 m	0.8 m	1.8 m	1.8 m
Surface pH	6.29	5.81	7.22	5.84	5.82	6.03
Surface SpC	0.0798 ms/cm	0.0826 ms/cm	0.0769 ms/cm	0.0497 ms/cm	0.0639 ms/cm	0.0736 ms/cm
Surface Temp	10.1 °C	23.8 °C	10.1 °C	22.6 °C	12.4 °C	24.3 °C
Surface DO	11.04 mg/L	7.74 mg/L	11.07 mg/L	7.55 mg/L	10.53 mg/L	8.21 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		6 m		5.5 m		6 m
Anoxic Layer Thickness (from lakebed at deepest location)		2.5 m (26%)		3.5 m (37%)		3.5 m (37%)
Strength of evidence for Internal Loading		None		Strong		Strong
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Mesotrophic		Mesoeutrophic
Deepwater Chloride	19 mg/L	18 mg/L	18 mg/L	17 mg/L	16 mg/L	15 mg/L
E. coli Outlet/Surface (CFU/100ml)	2 / ND	ND / 2	2 / ND	2 / 2	Not Collect-ed	ND / 2

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

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Satellite Imagery Map of Five Islands Lake w/ Sampling Locations



Bathymetry Map of Five Islands Lake