

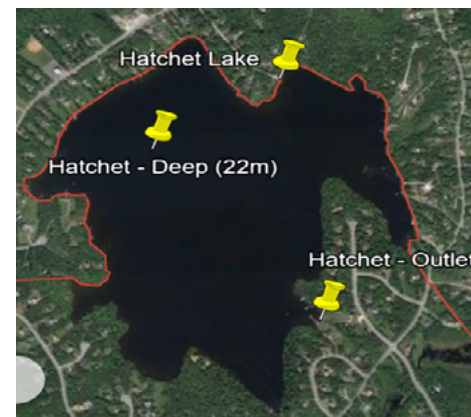
Hatchet Lake

(Approximate maximum depth: 22.6 m)

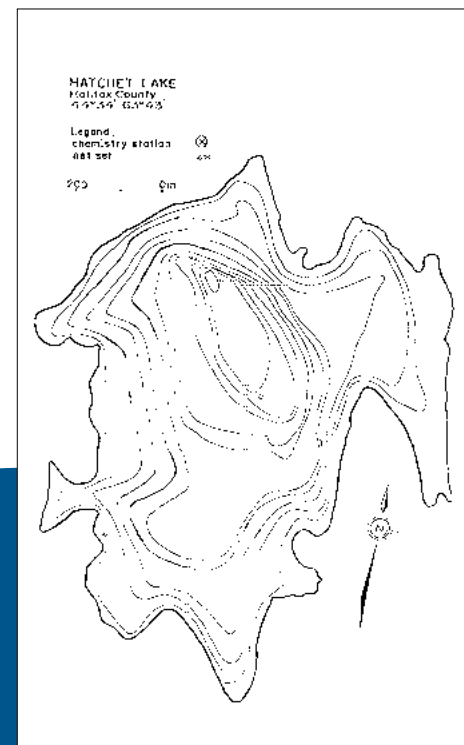
HATCHET LAKE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Collaborative
Date	May 6	September 1	May 2	August 16	April 30	August 15
Secchi Depth	4.0 m	6.2 m	3.9 m	2.2 m	3.2 m	3.4 m
Surface pH	8.84	6.70	8.13	7.94	7.22	6.24
Surface SpC	0.1311 ms/cm	0.1410 ms/cm	0.1354 ms/cm	0.1286 ms/cm	0.1260 ms/cm	0.1340 ms/cm
Surface Temp	10.1 °C	24.1 °C	9.7 °C	22.6 °C	9.9 °C	22.6 °C
Surface DO	11.09 mg/L	8.29 mg/L	11.54 mg/L	8.28 mg/L	11.08 mg/L	8.54 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		6 m		6 m		5 m
Anoxic Layer Thickness (from lakebed at deepest location)		3.1 m (14%)		2.1 m (9%)		n/a
Strength of evidence for Internal Loading		Weak		Moderate		Moderate
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	24 mg/L	27 mg/L	28 mg/L	29 mg/L	26 mg/L	26 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	ND / 14	28 / 14	4 / 2	Not Collect-ed	10 / 6

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



Satellite Imagery Map of Hatchet Lake w/ Sampling Locations



Bathymetry Map of Hatchet Lake

halifax.ca/lakewatchers

HalifACT Acting on Climate Together

LakeWatchers