

Mill Lake

(Approximate maximum depth: 8.1 m)

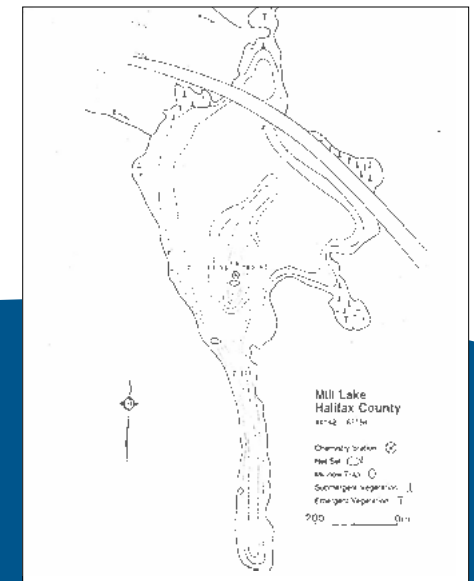
HEAD OF ST. MARGARETS BAY, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 13	August 29	April 20	August 10	April 23	August 13
Secchi Depth	3.4 m	3.7 m	2.4 m	2.4 m	2.2 m	2.2 m
Surface pH	5.71	6.26	5.59	5.78	5.97	5.15
Surface SpC	0.0281 ms/cm	0.0301 ms/cm	0.0393 ms/cm	0.0286 ms/cm	0.0271 ms/cm	0.0430 ms/cm
Surface Temp	14.1 °C	24.6 °C	10.6 °C	23.9 °C	8.8 °C	23.2 °C
Surface DO	10.74 mg/L	8.23 mg/L	11.00 mg/L	7.64 mg/L	11.32 mg/L	8.29 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		4 m		2.5 m		3 m
Anoxic Layer Thickness (from lakebed at deepest location)		4.1 m (51%)		n/a		2.1 m (26%)
Strength of evidence for Internal Loading		Moderate		Moderate		Moderate
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Oligotrophic		Mesotrophic
Deepwater Chloride	5.0 mg/L	28 mg/L	25 mg/L	29 mg/L	4.5 mg/L	8.8 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	ND / ND	ND / ND	10 / 12	Not Collected	ND / ND

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



Satellite Imagery Map of Mill Lake w/ Sampling Locations



Bathymetry Map of Mill Lake

halifax.ca/lakewatchers

HalifACT Acting on Climate Together

LakeWatchers