

Miller Lake

(Approximate maximum depth: 13.0 m)

FALL RIVER, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Volunteer
Date	May 4	August 17	April 20	August 9	April 29	September 8
Secchi Depth	3.0 m	2.9 m	4.1 m	1.3 m	2.1 m	3.2 m
Surface pH	7.71	7.19	6.94	6.77	6.70	6.79
Surface SpC	0.1271 ms/cm	0.1262 ms/cm	0.1229 ms/cm	0.0736 ms/cm	0.1256 ms/cm	0.0990 ms/cm
Surface Temp	10.4 °C	23.7 °C	10.4 °C	22.2 °C	11.4 °C	20.4 °C
Surface DO	10.68 mg/L	8.04 mg/L	11.06 mg/L	7.48 mg/L	10.98 mg/L	8.52 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		6 m		4 m		n/a
Anoxic Layer Thickness (from lakebed at deepest location)		2 m (15%)		3 m (23%)		n/a
Strength of evidence for Internal Loading		Moderate		Moderate		Moderate
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Oligotrophic		Oligotrophic
Deepwater Chloride	30 mg/L	7.7 mg/L	5.7 mg/L	11 mg/L	19 mg/L	20 mg/L
E. coli Outlet/Surface (CFU/100ml)	2 / 2	ND / 2	2 / ND	10 / 10	Not Collected	14 / 12

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

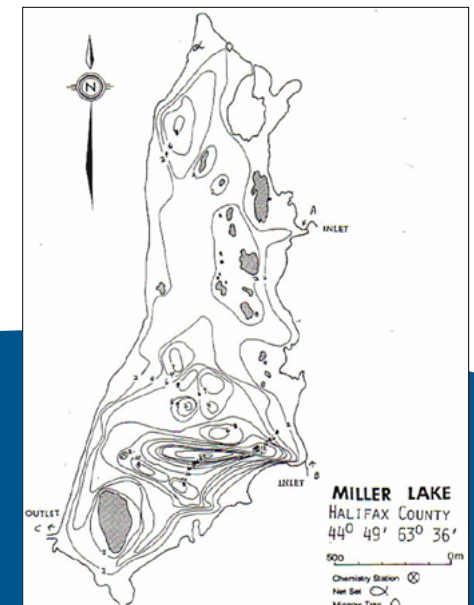
halifax.ca/lakewatchers

HalifACT Acting on
Climate
Together

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Satellite Imagery Map of Miller Lake
w/ Sampling Locations



Bathymetry Map of Miller Lake