

McQuade Lake

(Approximate maximum depth: 7.8 m)

HAMMONDS PLAINS, 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 9	August 24	April 19	August 10	April 25	August 27
Secchi Depth	2.6 m	1.9 m	2.3 m	1.5 m	2.4 m	3.0 m
Surface pH	8.34	7.07	7.21	7.03	7.20	7.31
Surface SpC	0.2960 ms/cm	0.2579 ms/cm	0.2608 ms/cm	0.0973 ms/cm	0.1351 ms/cm	0.1693 ms/cm
Surface Temp	12.5 °C	24.2 °C	12.0 °C	21.4 °C	11.0 °C	23.0 °C
Surface DO	10.48 mg/L	8.59 mg/L	11.23 mg/L	6.72 mg/L	9.70 mg/L	8.04 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		4 m		3 m		5 m
Anoxic Layer Thickness (from lakebed at deepest location)		3.8 m (49%)		4.3 m (55%)		2.8 m (36%)
Strength of evidence for Internal Loading		Very Strong		None		Strong
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Mesoeutrophic		Mesotrophic
Deepwater Chloride	70 mg/L	72 mg/L	60 mg/L	59 mg/L	32 mg/L	35 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / 2	200 / 120	16 / 2	52 / 66	Not Collect-ed	2 / 2

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



Satellite Imagery Map of McQuade Lake w/ Sampling Locations



Bathymetry Map of McQuade Lake

halifax.ca/lakewatchers