

Sheldrake Lake

(Approximate maximum depth: 7.5 m)

HUBLEY, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Volunteer	Volunteer
Date	May 13	August 15	April 17	August 14	April 23	August 18
Secchi Depth	1.3 m	1.3 m	1.6 m	0.7 m	1.1 m	1.3 m
Surface pH	5.79	6.57	5.71	5.76	5.62	6.06
Surface SpC	0.1298 ms/cm	0.1228 ms/cm	0.1344 ms/cm	0.0722 ms/cm	0.0867 ms/cm	0.1229 ms/cm
Surface Temp	17.0 °C	25.1 °C	12.2 °C	21.8 °C	12.5 °C	24.5 °C
Surface DO	9.96 mg/L	7.81 mg/L	10.60 mg/L	7.12 mg/L	10.84 mg/L	7.68 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		3 m		2 m		2 m
Anoxic Layer Thickness (from lakebed at deepest location)		4.0 m (53%)		5.0 m (67%)		3.5 m (47%)
Strength of evidence for Internal Loading		Strong		Moderate		Weak
Estimated Trophic Status (based on summer Chl- α)		Mesoeutrophic		Mesoeutrophic		Mesoeutrophic
Deepwater Chloride	32 mg/L	34 mg/L	33 mg/L	29 mg/L	22 mg/L	25 mg/L
E. coli Outlet/Surface (CFU/100ml)	2 / ND	16 / 8	4 / ND	30 / 8	Not Collected	12 / 6

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

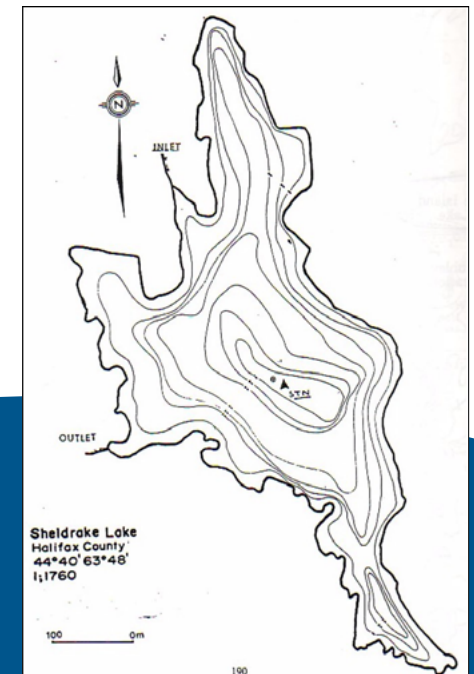
halifax.ca/lakewatchers

HalifACT Acting on
Climate
Together

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Satellite Imagery Map of Sheldrake Lake w/ Sampling Locations



Bathymetry Map of Sheldrake Lake