

# Kidston Lake

(Approximate maximum depth: 6.8 m)

SPRYFIELD, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

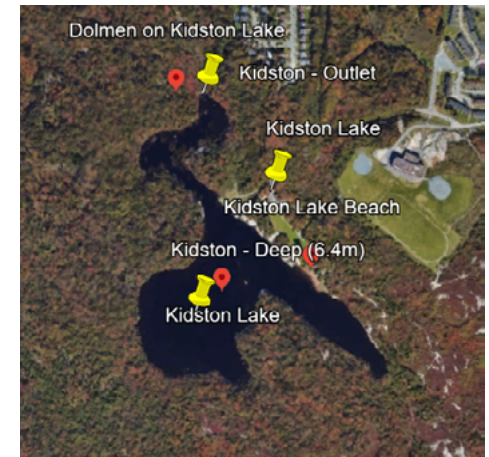
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Volunteer	Volunteer
Date	April 29	August 19	April 20	August 9	April 18	August 29
Secchi Depth	1.6 m	1.3 m	2.0 m	1.4 m	1.4 m	1.7 m
Surface pH	5.61	7.01	6.26	6.53	6.76	6.58
Surface SpC	0.0287 ms/cm	0.0454 ms/cm	0.0440 ms/cm	0.0376 ms/cm	0.0409 ms/cm	0.0516 ms/cm
Surface Temp	9.8 °C	21.4 °C	11.4 °C	21.6 °C	10.2 °C	20.3 °C
Surface DO	9.41 mg/L	7.96 mg/L	10.58 mg/L	7.66 mg/L	11.11 mg/L	7.27 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		3 m		2 m		4 m
Anoxic Layer Thickness (from lakebed at deepest location)		2.8 m (41%)		3.8 m (56%)		1.8 m (26%)
Strength of evidence for Internal Loading		Very Strong		Moderate		Weak
Estimated Trophic Status (based on summer Chl- $\alpha$ )		Oligotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	6.3 mg/L	6.5 mg/L	5.0 mg/L	6.0 mg/L	6.0 mg/L	7.8 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	4 / 8	10 / 4	150 / 250	Not Collected	130 / 98

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

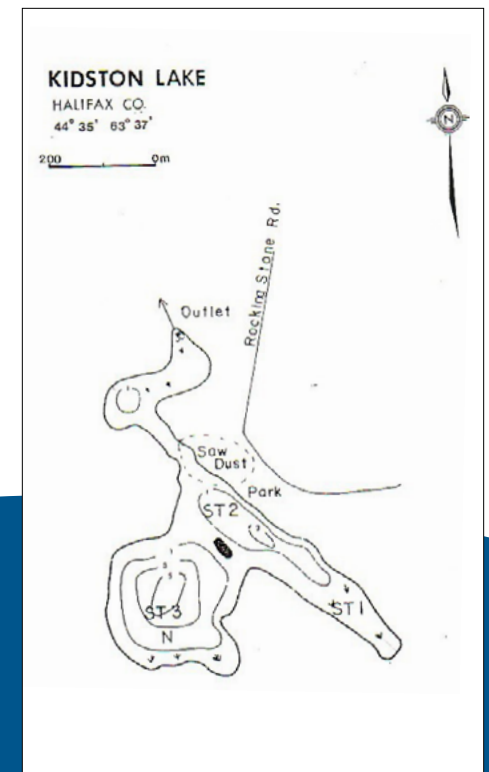
[halifax.ca/lakewatchers](http://halifax.ca/lakewatchers)

**HalifACT** Acting on  
Climate  
Together

**LakeWatchers**



Satellite Imagery Map of Kidston Lake  
Spryfield w/ Sampling Locations



Bathymetry Map of Kidston Lake