

Stillwater Lake

(Approximate maximum depth: 17.5 m)

STILLWATER LAKE, 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 12	August 24	April 26	August 25	May 14	September 9
Secchi Depth	2.8 m	2.9 m	1.9 m	1.3 m	2.5 m	2.0 m
Surface pH	6.25	6.89	6.28	5.85	6.00	6.23
Surface SpC	0.0681 ms/cm	0.6704 ms/cm	0.0676 ms/cm	0.0468 ms/cm	0.0558 ms/cm	0.0611 ms/cm
Surface Temp	13.9 °C	23.7 °C	12.7 °C	21.6 °C	13.5 °C	19.6 °C
Surface DO	10.07 mg/L	8.44 mg/L	11.34 mg/L	7.75 mg/L	10.63 mg/L	7.35 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		4.5 m		4.5 m		6 m
Anoxic Layer Thickness (from lakebed at deepest location)		12.5 m (71%)		13 m (74%)		4.5 m (26%)
Strength of evidence for Internal Loading		Weak		None		Moderate
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	13 mg/L	12 mg/L	11 mg/L	12 mg/L	9.4 mg/L	10 mg/L
E. coli Outlet/Surface (CFU/100ml)	6 / ND	50 / 4	ND / ND	2 / ND	Not Collected	44 / 40

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

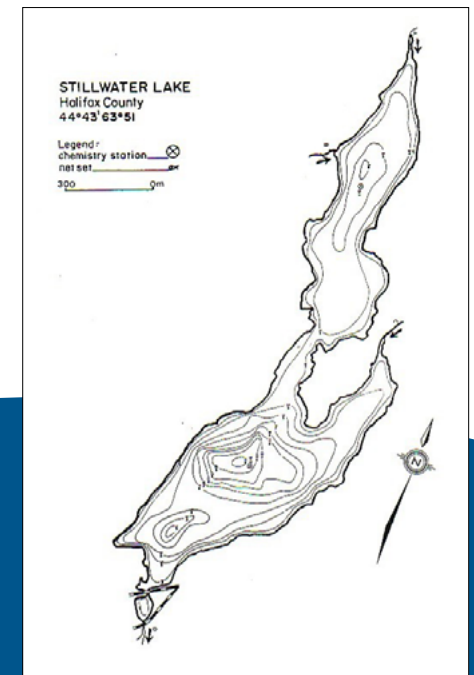
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HalifACT Acting on
Climate
Together

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Satellite Imagery Map of Stillwater Lake w/ Sampling Locations



Bathymetry Map of Stillwater Lake