

Thomas Lake (North Basin)

(Approximate maximum depth: 6.2 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	Volunteer	Volunteer
Date	May 2	August 17	April 20	August 14	May 6	August 16
Secchi Depth	3.7 m	2.6 m	2.5 m	Not Collected	2.1 m	2.0 m
Surface pH	7.13	7.38	7.22	7.18	7.36	5.71
Surface SpC	0.1159 ms/cm	0.1943 ms/cm	0.1818 ms/cm	0.1361 ms/cm	0.1439 ms/cm	0.1533 ms/cm
Surface Temp	10.4 °C	24.1 °C	10.2 °C	22.4 °C	11.4 °C	21.2 °C
Surface DO	11.96 mg/L	8.06 mg/L	11.47 mg/L	7.68 mg/L	11.11 mg/L	1.16 mg/L
Summer Stratified?		No		No		No
Thermocline Depth (from lake surface)		n/a		n/a		n/a
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		n/a		n/a
Strength of evidence for Internal Loading		None		Weak		Weak
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	38 mg/L	40 mg/L	37 mg/L	23 mg/L	29 mg/L	33 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	4 / 6	ND / ND	56 / 8	Not Collected	ND / 14

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

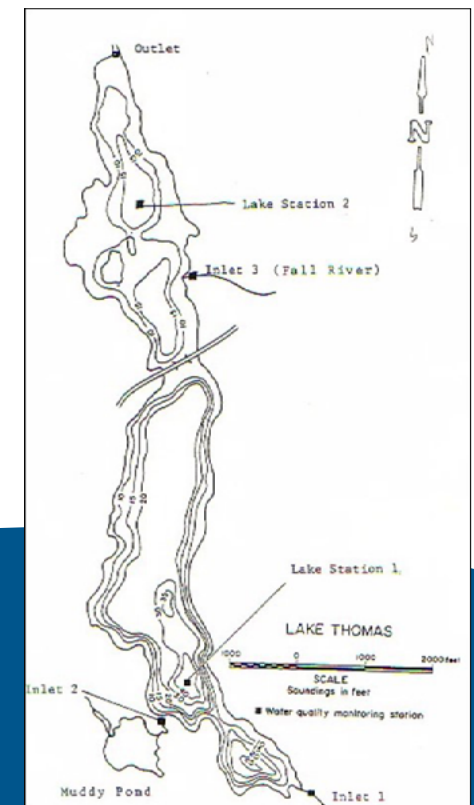
halifax.ca/lakewatchers

HalifACT Acting on
Climate
Together

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Satellite Imagery Map of Thomas Lake w/ Sampling Locations



Bathymetry Map of Thomas Lake