

# Fenerty Lake

(Approximate maximum depth: 9.5 m)

BEAVER BANK, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

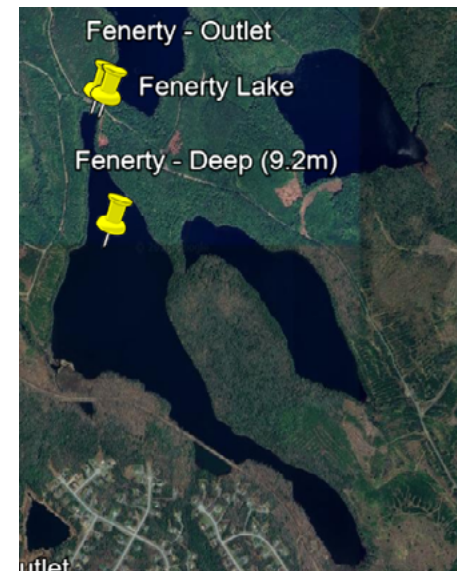
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 5	August 24	April 25	August 21	May 1	August 20
Secchi Depth	2.0 m	0.9 m	1.7 m	1.0 m	1.5 m	0.6 m
Surface pH	7.21	8.75	6.73	6.44	7.08	9.25
Surface SpC	0.0449 ms/cm	0.0808 ms/cm	0.0728 ms/cm	0.0556 ms/cm	0.0530 ms/cm	0.0780 ms/cm
Surface Temp	10.6 °C	24.5 °C	11.4 °C	21.8 °C	10.3 °C	24.5 °C
Surface DO	14.22 mg/L	9.60 mg/L	10.99 mg/L	8.08 mg/L	10.84 mg/L	9.59 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		5 m		3.5 m		4 m
Anoxic Layer Thickness (from lakebed at deepest location)		4.5 m (47%)		5.5 m (58%)		4.5 m (47%)
Strength of evidence for Internal Loading		None		Moderate		Weak
Estimated Trophic Status (based on summer Chl- $\alpha$ )		Eutrophic		Mesotrophic		Hyper-eutrophic
Deepwater Chloride	13 mg/L	13 mg/L	14 mg/L	12 mg/L	9.4 mg/L	11 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	2 / 4	ND / ND	10 / 20	Not Collected	28 / 2

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

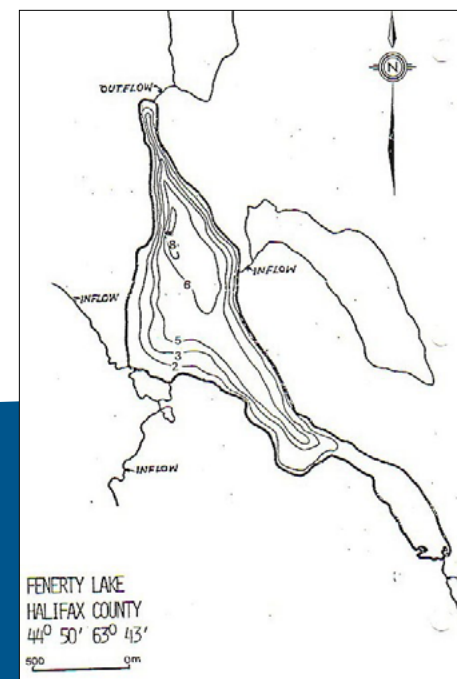
[halifax.ca/lakewatchers](http://halifax.ca/lakewatchers)

**HalifACT** Acting on  
Climate  
Together

**LakeWatchers**



Satellite Imagery Map of Fenerty Lake w/ Sampling Locations



Bathymetry Map of Fenerty Lake