

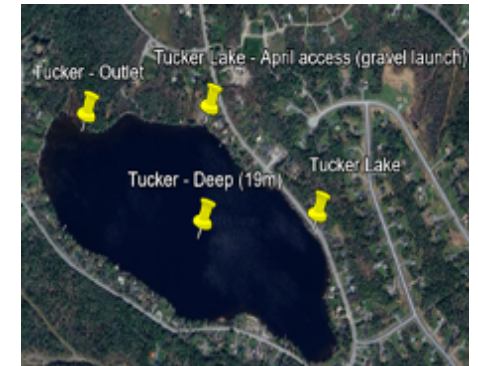
Tucker Lake

(Approximate maximum depth: 19.2 m)

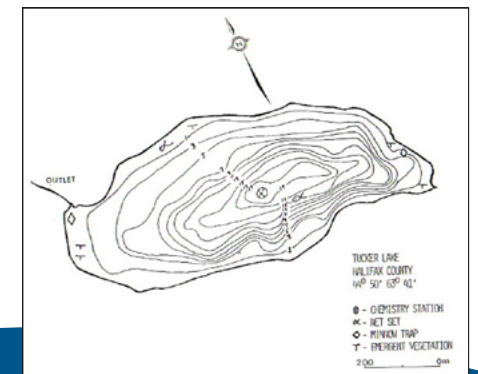
BEAVER BANK, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Volunteer	Volunteer	Volunteer
Date	May 10	August 19	April 25	August 16	May 22	August 7
Secchi Depth	4.7 m	5.0 m	3.9 m	2.7 m	3.0 m	4.2 m
Surface pH	8.08	7.38	7.20	7.38	7.23	7.50
Surface SpC	0.2350 ms/cm	0.2506 ms/cm	0.2271 ms/cm	0.1477 ms/cm	0.1870 ms/cm	0.1909 ms/cm
Surface Temp	11.6 °C	23.3 °C	11.1 °C	23.2 °C	18.2 °C	24.7 °C
Surface DO	10.84 mg/L	8.33 mg/L	11.30 mg/L	7.66 mg/L	9.94 mg/L	6.61 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		5 m		4 m		4 m
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		n/a		n/a
Strength of evidence for Internal Loading		None		Weak		Moderate
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	50 mg/L	52 mg/L	47 mg/L	49 mg/L	41 mg/L	44 mg/L
E. coli Outlet/Surface (CFU/100ml)	12 / 2	30 / 10	52 / ND	ND / 8	Not Collected	32 / 14

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



Satellite Imagery Map of Tucker Lake w/ Sampling Locations



Bathymetry Map of Tucker Lake

halifax.ca/lakewatchers