

# Bissett Lake

(Approximate maximum depth: 8.4 m)

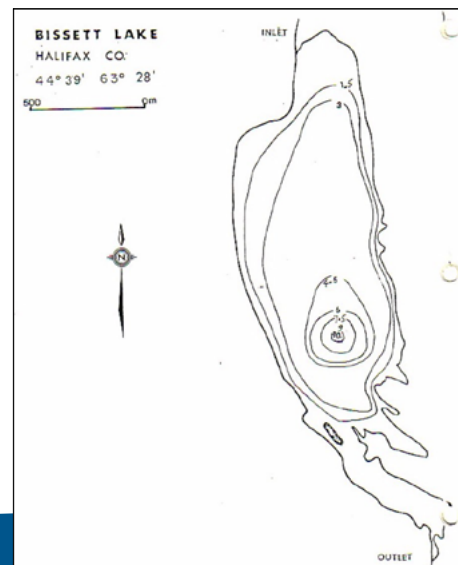
COLE HARBOUR, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Volunteer	Volunteer	Volunteer
Date	May 5	August 25	April 27	August 17	April 26	August 13
Secchi Depth	4.7 m	3.7 m	4.6 m	2.0 m	3.0 m	4.5 m
Surface pH	7.47	7.76	6.66	7.62	7.69	7.82
Surface SpC	0.3855 ms/cm	0.4858 ms/cm	0.6267 ms/cm	0.2920 ms/cm	0.3783 ms/cm	0.4203 ms/cm
Surface Temp	10.8 °C	24.5 °C	11.7 °C	22.5 °C	10.2 °C	23.9 °C
Surface DO	14.42 mg/L	8.45 mg/L	11.03 mg/L	8.30 mg/L	11.41 mg/L	7.75 mg/L
Summer Stratified?		No		Yes		No
Thermocline Depth (from lake surface)		n/a		6 m		n/a
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		2.4 m (29%)		n/a
Strength of evidence for Internal Loading		None		Moderate		None
Estimated Trophic Status (based on summer Chl- $\alpha$ )		Oligotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	140 mg/L	110 mg/L	150 mg/L	100 mg/L	96 mg/L	95 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	10 / ND	2 / ND	ND / 6	Not Collected	64 / 12

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



Satellite Imagery Map of Bissett Lake w/ Sampling Locations



Bathymetry Map of Bissett Lake

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