

Kinsac Lake

(Approximate maximum depth: 18.6 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 19	April 21	August 9	April 29	August 21
Secchi Depth	3.0 m	3.2 m	2.7 m	1.7 m	2.0 m	2.5 m
Surface pH	7.35	7.13	6.62	6.58	7.01	6.95
Surface SpC	0.1017 ms/cm	0.0976 ms/cm	0.0959 ms/cm	0.0657 ms/cm	0.0823 ms/cm	0.0790 ms/cm
Surface Temp	9.9 °C	23.2 °C	9.4 °C	22.2 °C	11.0 °C	24.1 °C
Surface DO	10.73 mg/L	8.08 mg/L	11.39 mg/L	6.90 mg/L	11.11 mg/L	8.02 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		7.5 m		7.5 m		6 m
Anoxic Layer Thickness (from lakebed at deepest location)		8.6 m (46%)		3.6 m (19%)		3.6 m (19%)
Strength of evidence for Internal Loading		Very Strong		None		None
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	24 mg/L	21 mg/L	19 mg/L	18 mg/L	15 mg/L	16 mg/L
E. coli Outlet/Surface (CFU/100ml)	2 / ND	4 / 6	ND / ND	20 / 4	Not Collect-ed	4 / 8

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

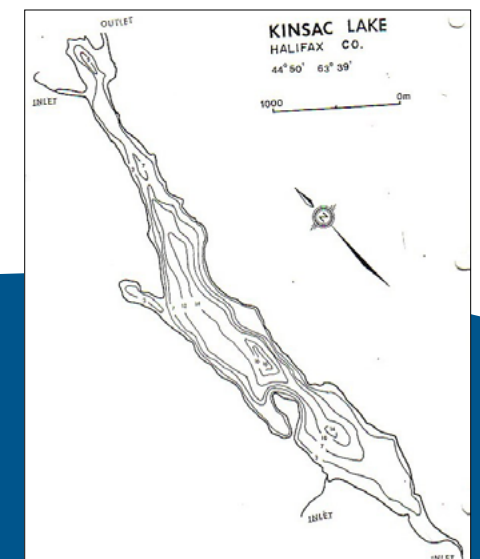
halifax.ca/lakewatchers

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Climate
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Satellite Imagery Map of Kinsac Lake w/ Sampling Locations



Bathymetry Map of Kinsac Lake