

First Chain Lake

(Approximate maximum depth: 12.2 m)

BAYER'S LAKE, 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 19	August 26	April 28	August 21	May 2	August 27
Secchi Depth	9.1 m	5.3 m	10.8 m	12.2 m	12.0 m	10.7 m
Surface pH	4.69	4.42	4.84	4.76	4.74	4.56
Surface SpC	0.3413 ms/cm	0.3817 ms/cm	0.3036 ms/cm	0.2673 ms/cm	0.2590 ms/cm	0.2810 ms/cm
Surface Temp	14.7 °C	24.0 °C	11.4 °C	22.7 °C	10.8 °C	23.3 °C
Surface DO	10.51 mg/L	8.44 mg/L	10.66 mg/L	8.40 mg/L	10.83 mg/L	8.37 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		Moderate		None
Estimated Trophic Status (based on summer Chl- α)		Ultraoligo-trophic		Ultraoligo-trophic		Ultraoligo-trophic
Deepwater Chloride	71 mg/L	80 mg/L	63 mg/L	55 mg/L	55 mg/L	58 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	2 / ND	ND / ND	16 / 6	Not Collect-ed	10 / 2

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

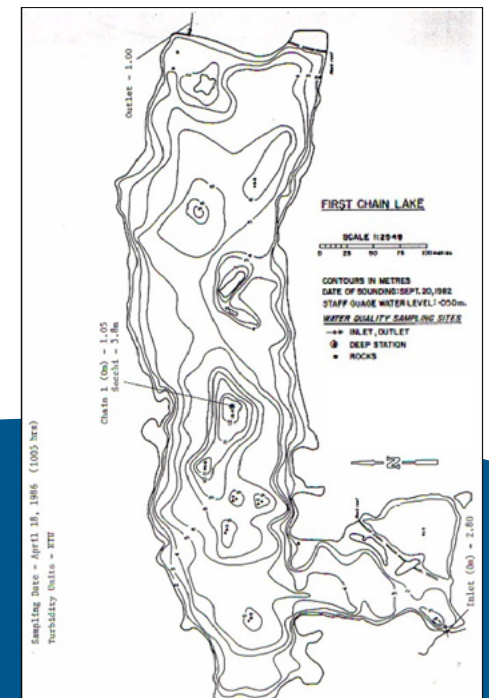
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Climate
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Satellite Imagery Map of First Chain Lake w/ Sampling Locations



Bathymetry Map of First Chain Lake