

Lake Banook

(Approximate maximum depth: 12.2 m)

DARTMOUTH, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

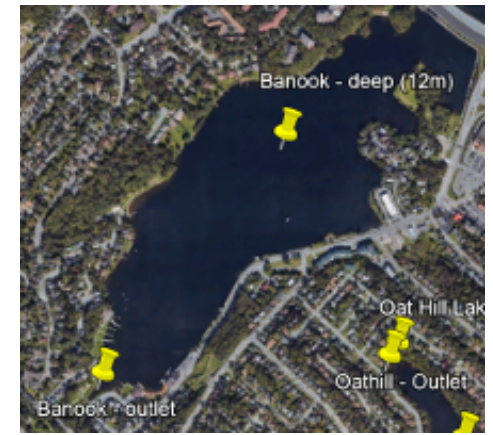
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Collaborative	Collaborative	Consultant	Collaborative
Date	April 27	August 16	April 18	August 14	April 22	August 23
Secchi Depth	4.0 m	2.4 m	4.8 m	1.7 m	4.0 m	3.1 m
Surface pH	8.06	7.96	7.99	7.50	7.64	6.87
Surface SpC	0.6319 ms/cm	0.9306 ms/cm	0.7980 ms/cm	0.5217 ms/cm	0.7040 ms/cm	0.7180 ms/cm
Surface Temp	10.2 °C	24.7 °C	10.4 °C	23.3 °C	10.5 °C	23.7 °C
Surface DO	10.15 mg/L	8.69 mg/L	11.91 mg/L	7.01 mg/L	11.81 mg/L	7.70 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		7.5 m		6 m		6 m
Anoxic Layer Thickness (from lakebed at deepest location)		5.2 m (43%)		5.7 m (47%)		6.2 m (51%)
Strength of evidence for Internal Loading		Very Strong		Very Strong		None
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	240 mg/L	240 mg/L	180 mg/L	200 mg/L	180 mg/L	180 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / 10	40 / 46	ND / ND	14 / 122	Not Collected	14 / 6

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

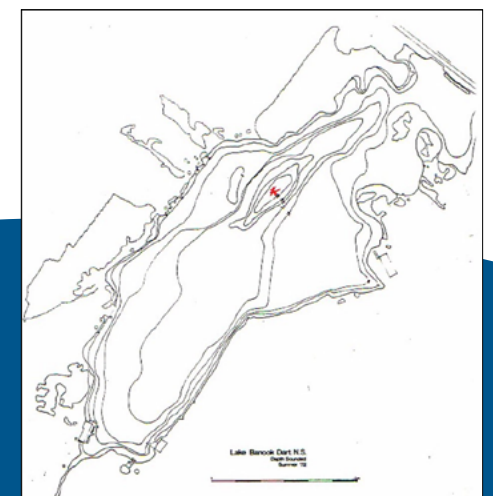
halifax.ca/lakewatchers

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Climate
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Satellite Imagery Map of Lake Banook w/ Sampling Locations



Bathymetry Map of Lake Banook