

Ragged Lake

(Approximate maximum depth: 5.6 m)

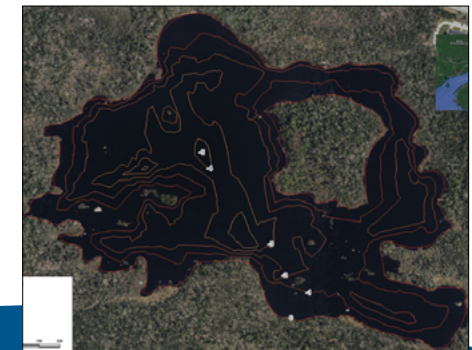
BEECHVILLE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 18	August 25	April 26	August 21	May 3	August 22
Secchi Depth	1.5 m	2.1 m	0.9 m	0.6 m	1.1 m	1.7 m
Surface pH	4.76	4.90	4.87	5.05	4.62	4.82
Surface SpC	0.1492 ms/cm	0.1491 ms/cm	0.1358 ms/cm	0.0886 ms/cm	0.1160 ms/cm	0.1250 ms/cm
Surface Temp	14.2 °C	24.4 °C	12.2 °C	21.6 °C	11.4 °C	23.2 °C
Surface DO	10.18 mg/L	8.22 mg/L	10.20 mg/L	7.72 mg/L	10.64 mg/L	7.96 mg/L
Summer Stratified?		Yes		No		Yes
Thermocline Depth (from lake surface)		3 m		n/a		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		Oligotrophic		Oligotrophic
Deepwater Chloride	39 mg/L	37 mg/L	33 mg/L	22 mg/L	29 mg/L	31 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	2 / 4	ND / ND	56 / 34	Not Collected	64 / 88

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



Satellite Imagery Map of Ragged Lake w/ Sampling Locations



Bathymetry Map of Ragged Lake

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