

Rocky Lake (Northeast Basin)

(Approximate maximum depth: 3.8 m)

WAVERLEY, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

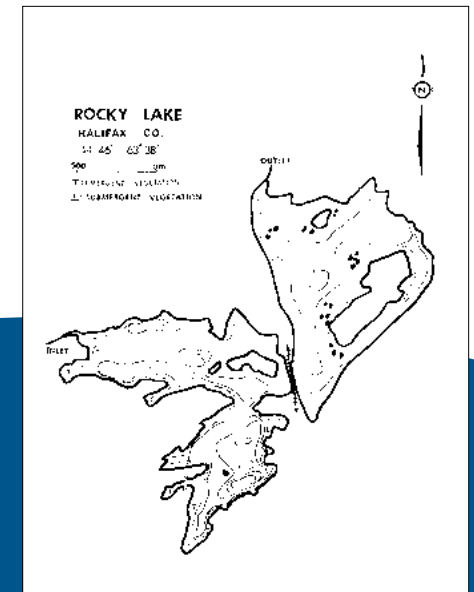
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Volunteer	Consultant	Volunteer
Date	May 16	August 18	April 19	August 13	May 7	August 23
Secchi Depth	3.8 m	2.8 m	3.6 m	1.8 m	3.6 m	3.5 m
Surface pH	7.03	7.74	6.80	7.86	7.50	8.23
Surface SpC	0.4002 ms/cm	0.4589 ms/cm	0.3556 ms/cm	0.2788 ms/cm	0.3300 ms/cm	0.3521 ms/cm
Surface Temp	16.1 °C	23.2 °C	11.7 °C	22.4 °C	12.9 °C	23.4 °C
Surface DO	9.96 mg/L	8.19 mg/L	10.89 mg/L	7.27 mg/L	10.65 mg/L	7.40 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		None		None
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Mesotrophic		Oligotrophic
Deepwater Chloride	93 mg/L	98 mg/L	74 mg/L	56 mg/L	72 mg/L	73 mg/L
E. coli Outlet/Surface (CFU/100ml)	4 / ND	ND / 4	ND / ND	2 / 2	Not Collected	2 / 6

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

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Satellite Imagery Map of Rocky Lake w/ Sampling Locations



Bathymetry Map of Rocky Lake