

Williams Lake

(Approximate maximum depth: 21.1 m)

WILLIAMS LAKE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

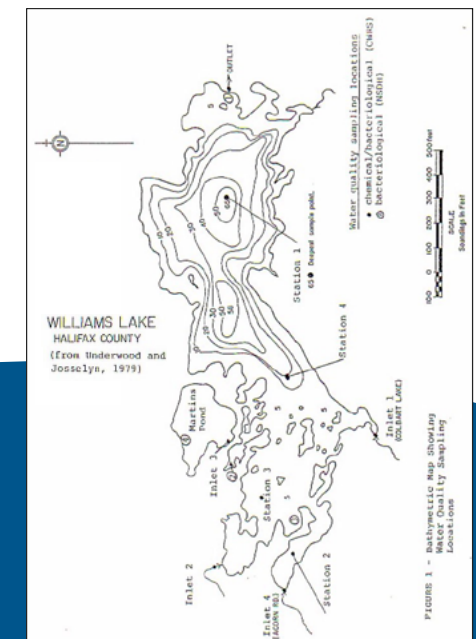
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Volunteer	Volunteer
Date	May 2	August 19	April 19	August 9	May 4	August 25
Secchi Depth	3.8 m	4.1 m	2.6 m	3.0 m	2.8 m	5.5 m
Surface pH	7.87	6.85	6.59	6.51	6.94	6.80
Surface SpC	0.2558 ms/cm	0.2658 ms/cm	0.2100 ms/cm	0.1879 ms/cm	0.1946 ms/cm	0.2303 ms/cm
Surface Temp	9.6 °C	23.0 °C	10.0 °C	22.9 °C	11.8 °C	23.7 °C
Surface DO	11.19 mg/L	8.27 mg/L	11.37 mg/L	7.93 mg/L	10.31 mg/L	7.80 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		5.5 m		4 m		6 m
Anoxic Layer Thickness (from lakebed at deepest location)		5.1 m (24%)		n/a		n/a
Strength of evidence for Internal Loading		None		Strong		Moderate
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	57 mg/L	42 mg/L	41 mg/L	43 mg/L	49 mg/L	52 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	6 / 4	ND / ND	8 / 8	Not Collected	2 / 2

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

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Satellite Imagery Map of Williams Lake w/ Sampling Locations



Bathymetry Map of Williams Lake