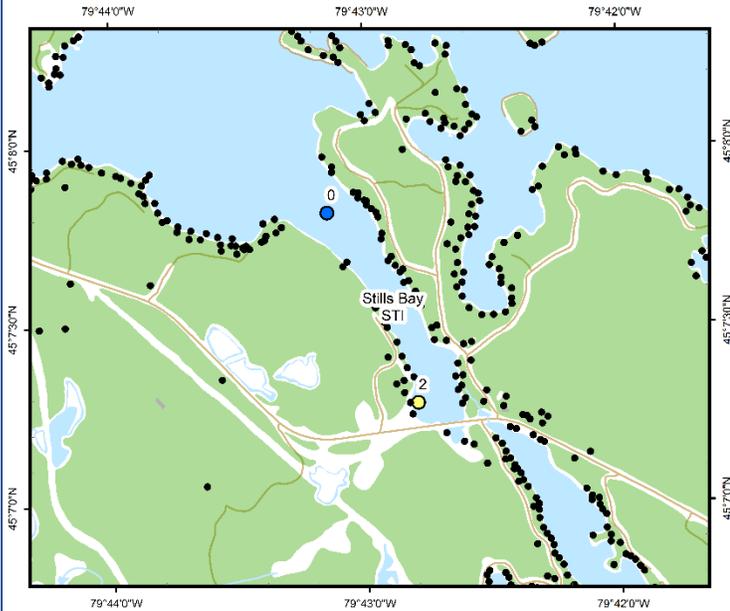


Stills Bay (STI)



Area Description:

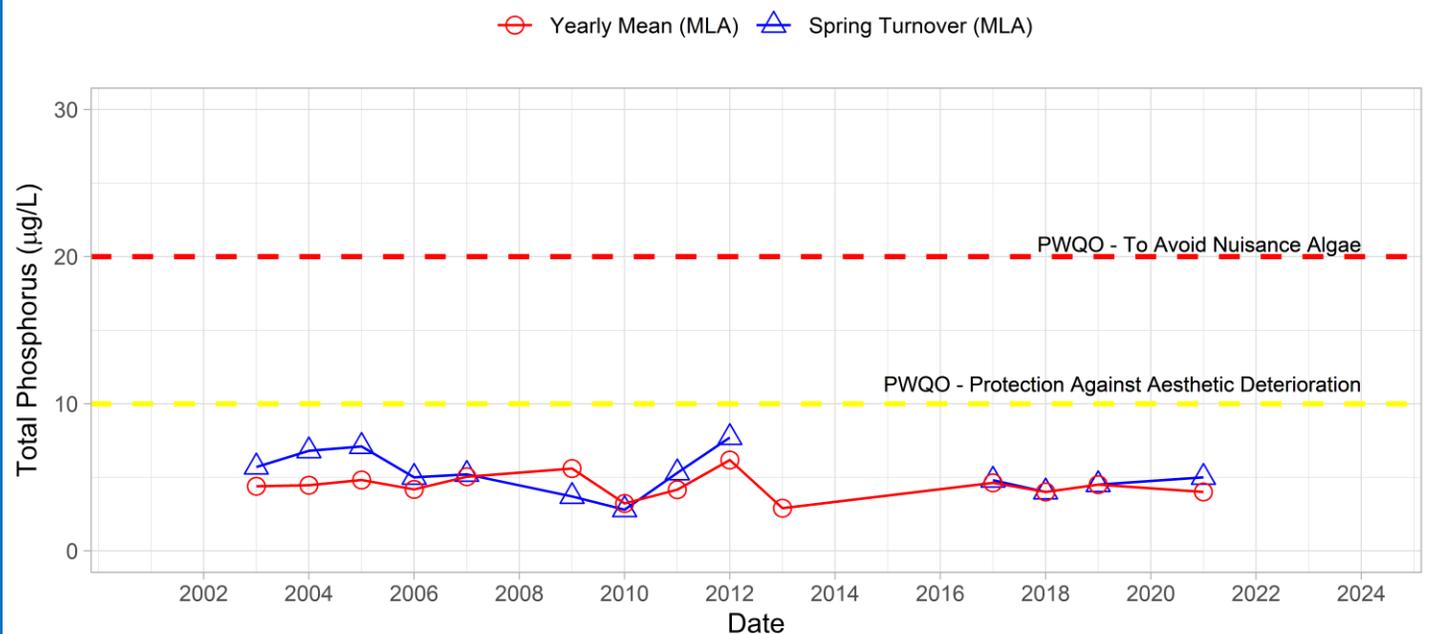
Stills Bay is a long, narrow bay in the south-eastern portion of Lake Joseph. The bay is moderately developed. The southern end of the bay is directly adjacent to Highway 169. Stills Bay receives drainage from several watercourses adjacent to a golf course. Several shoreline areas remain undeveloped with mostly intact forests. The main basin of Lake Joseph is currently classified as highly sensitive by the DMM. MLA monitoring of Stills Bay began in 2003.

Volunteer Recognition: Dave Clark, Tom Laviolette, Sharon Laviolette, Penny Middleton.

2021 Water Quality Results:

	Mean Secchi Disk (m)	Total Phosphorus ($\mu\text{g/L}$)		E. coli Yearly Geometric Mean (cfu/100mL)	Total Coliforms Yearly Geometric Mean (cfu/100 mL)
		Spring Turnover	Yearly Mean		
STI-0	3.6	5.0	4.0		
STI-2		9.8	15.0		

Phosphorus at STI-0



Note: Grubbs test indicates no outliers in Spring or Annual Total Phosphorus data.



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In 2021, spring turnover phosphorus results remain within the typical range of variability measured since the program began monitoring. All measured phosphorus concentrations were below Provincial Water Quality Monitoring Objectives for Protection Against Aesthetic Deterioration (10 µg/L) and Nuisance Algal Growth (20 µg/L). The spring phosphorous concentration and yearly mean values at STI-2 in 2021 were higher than has been typically observed. Spring TP at STI-2 was recorded during a moderate storm event which may have resulted in elevated nutrient concentrations from nearshore runoff. Furthermore, of the three samples collected (no sample was collected in July), two of them were collected during storm events (moderate and heavy), whereas in 2019 only 1 storm event sample was collected out of four during a light storm event. Average annual Secchi disk depth (3.6 m) was consistent with previous monitoring (3.75 – 6.2 m), however data for Secchi depth in Stills Bay are limited. **HESL recommends ongoing sampling to continue to monitor for long-term trends and emerging issues.**