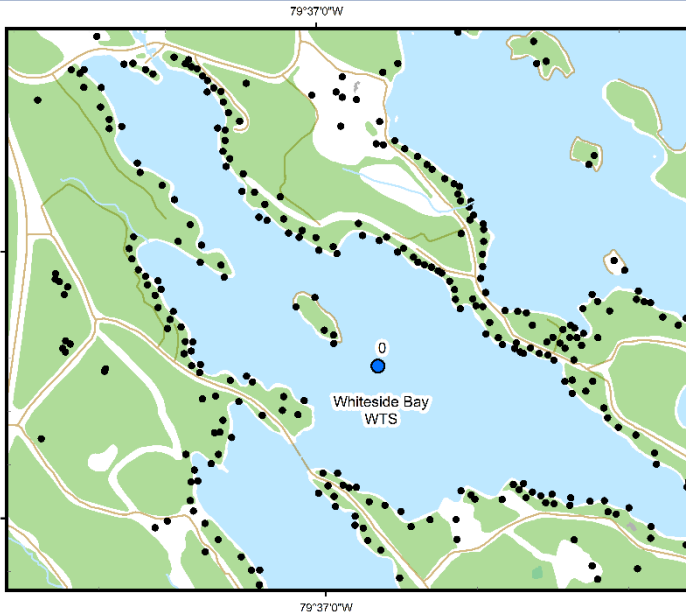


Whiteside Bay (WTS)



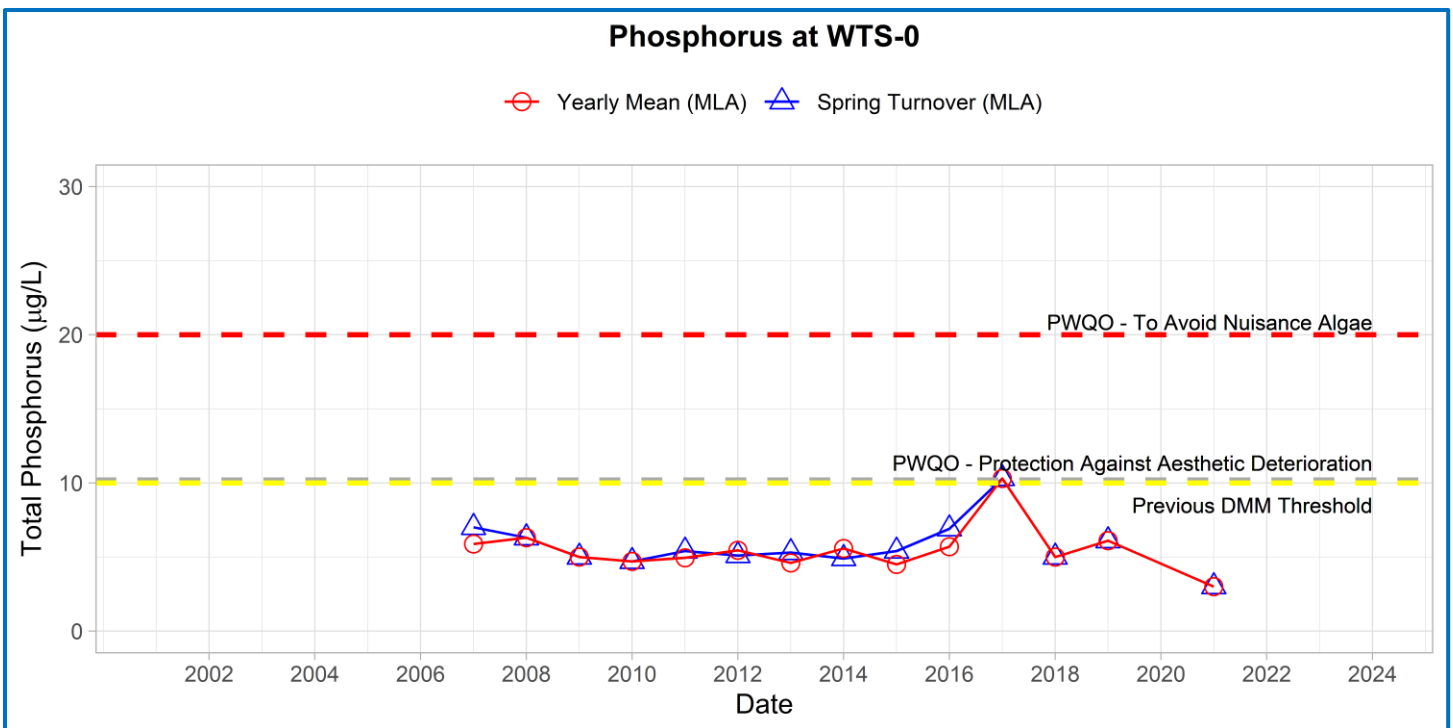
Area Description:

Whiteside Bay is a moderately developed bay in the northwestern portion of Lake Muskoka which receives a high amount of spring flow from the northwest. Development within the Bay includes cottage/residential properties and roadways that approach the shoreline in several areas. Two creeks flow into the bay, including one from the north which originates in a wetland complex. MLA monitoring of Whiteside Bay began in 2007.

Volunteer Recognition: Kim Seon, Eleanor Lewis, and Jim Lewis.

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		
WTS-0	3.9	3.0			



Note: Grubbs test indicates spring total phosphorus data collected in 2017 is an outlier.



Hutchinson
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Muskoka Lakes Association
Preserving Muskoka for Future Generations



The spring phosphorus concentration at the deep-water station (WTS-0) in 2021 was below the historic DMM threshold of 10.2 $\mu\text{g/L}$ and Provincial Water Quality Monitoring Objectives for Protection Against Aesthetic Deterioration (10 $\mu\text{g/L}$) and Nuisance Algal Growth (20 $\mu\text{g/L}$). Nearshore monitoring of spring phosphorus concentrations has not taken place since 2012. Data collected in 2017 continue to be identified as an outlier, these data have been included in our area assessments but should be interpreted with caution. Average annual Secchi disk depth (3.9 m) was consistent with previous monitoring (2.75 – 4.25 m). **HESL recommends ongoing sampling to continue to monitor for long-term trends and emerging issues.**