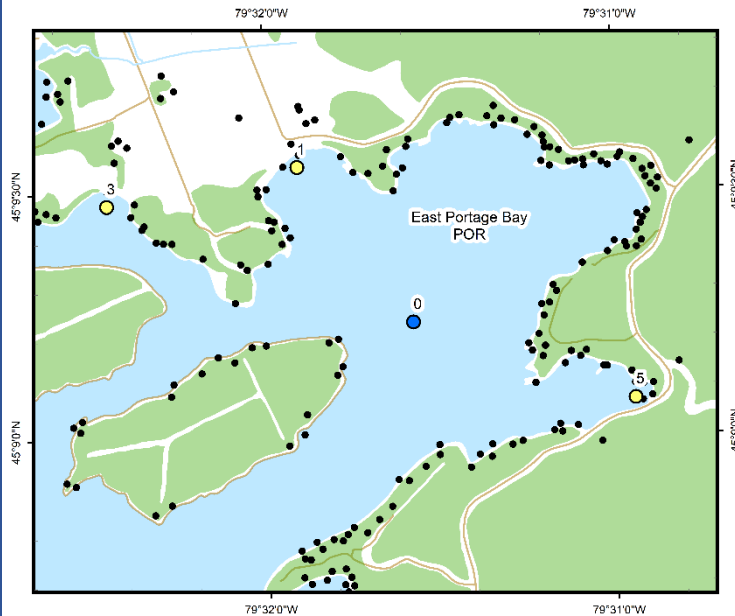


East Portage Bay (POR)



Area Description:

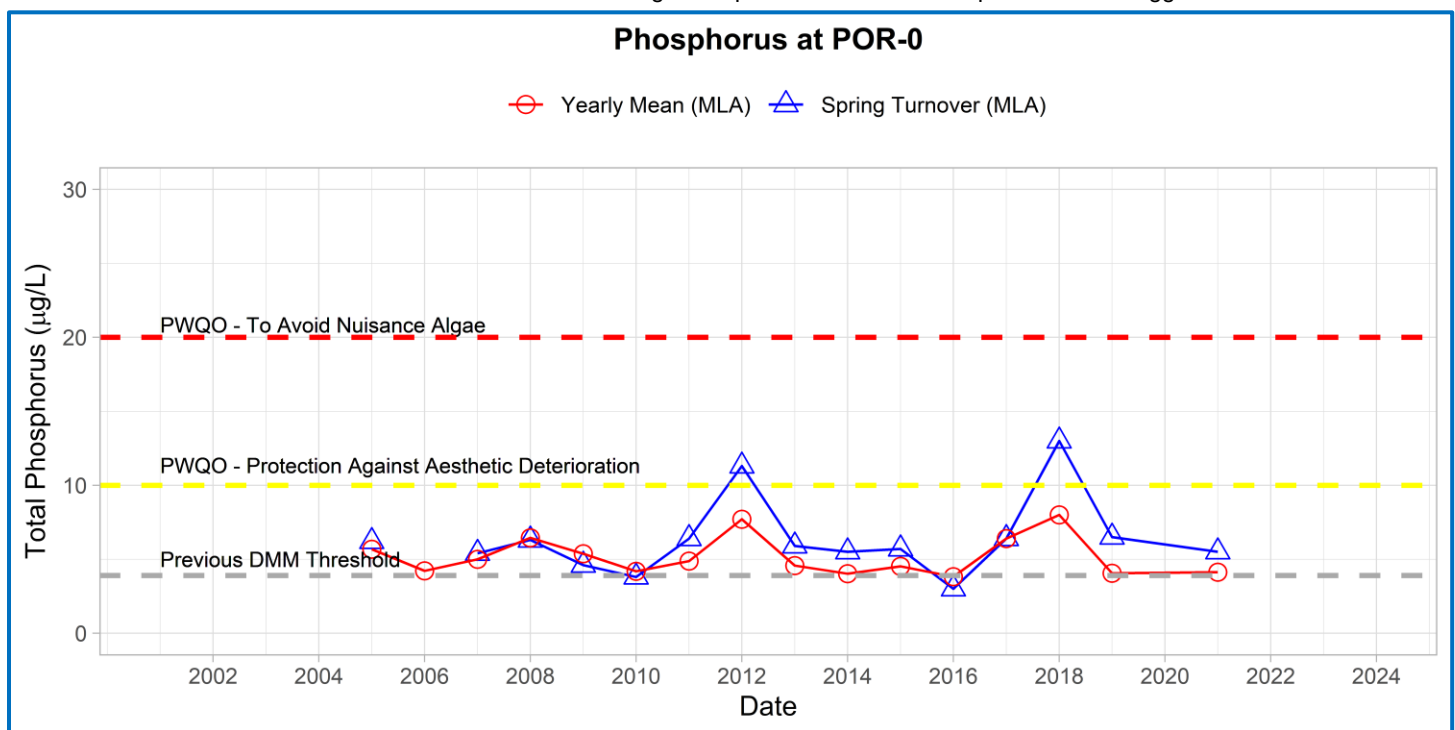
East Portage Bay is a moderately developed bay in eastern Lake Rosseau. The bay has an area of 1.33 km², and a maximum depth of 12 m. Development within the watershed includes several roads which often run directly adjacent to the shoreline and a large agricultural area near the northern shoreline. No watercourses or wetlands drain into the bay. East Portage Bay is not currently classified as vulnerable by the DMM. MLA monitoring of East Portage Bay began in 2005.

Volunteer Recognition: Marge Henke.

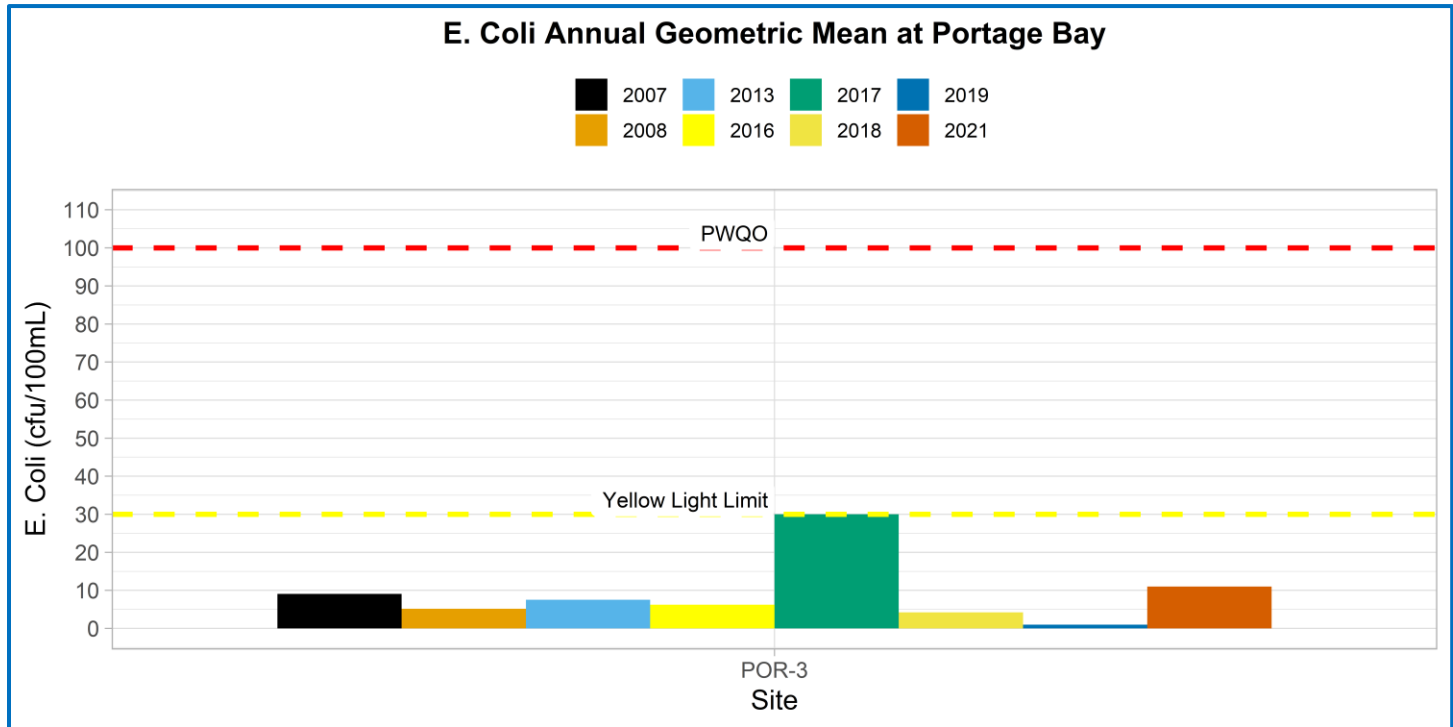
2021 Water Quality Results:

	Mean Secchi Disk (m)	Total Phosphorus (µg/L)		E. coli Yearly Geometric Mean (cfu/100mL)	Total Coliforms Yearly Geometric Mean (cfu/100 mL)
		Spring Turnover	Yearly Mean		
POR-0	4.0	5.5	4.1		
POR-1		7.4	5.1		
POR-3		5.4	5.4	11*	188*
POR-5		6.4	4.9		

Note: *E.coli and total coliforms at POR-3 are based on a single sample and cannot be compared to MLA triggers values.



Note: Grubbs test indicates the spring total phosphorus data collected in 2018 are considered an outlier.



In 2021, annual average and spring phosphorus concentrations at the deep-water station (POR-0) were above the historic DMM threshold of 3.9 µg/L but below Provincial Water Quality Monitoring Objectives for Protection Against Aesthetic Deterioration (10 µg/L) and Nuisance Algal Growth (20 µg/L). Nearshore monitoring of annual and spring phosphorus concentrations at POR-1, 3 and 5 were within the range of variability of previous monitoring. Only a single *E. coli* sample was collected at POR-3 in 2021, therefore a geometric mean could not be compared to the MLA trigger value. Average annual Secchi disk depth (4.0 m) was consistent with previous monitoring (1.45 – 6.5 m). **HESL recommends ongoing sampling to continue to monitor for long-term trends and emerging issues.**