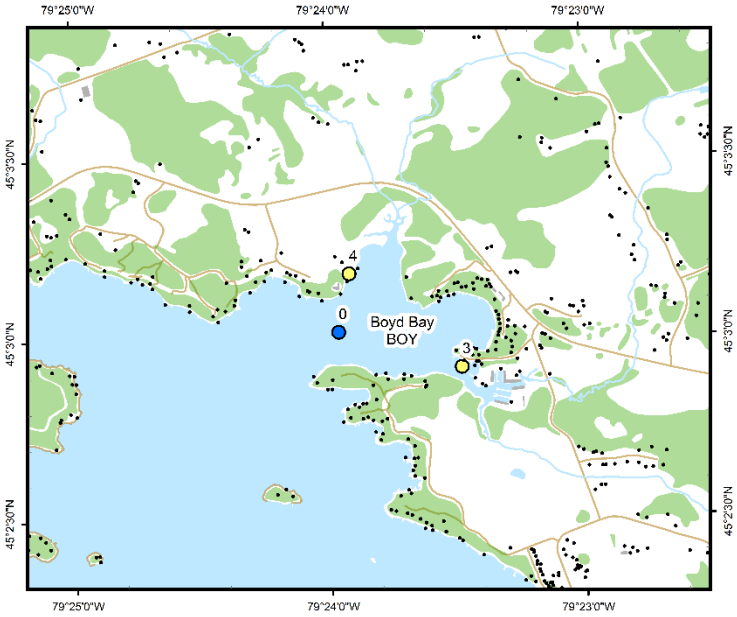
Boyd Bay (BOY)



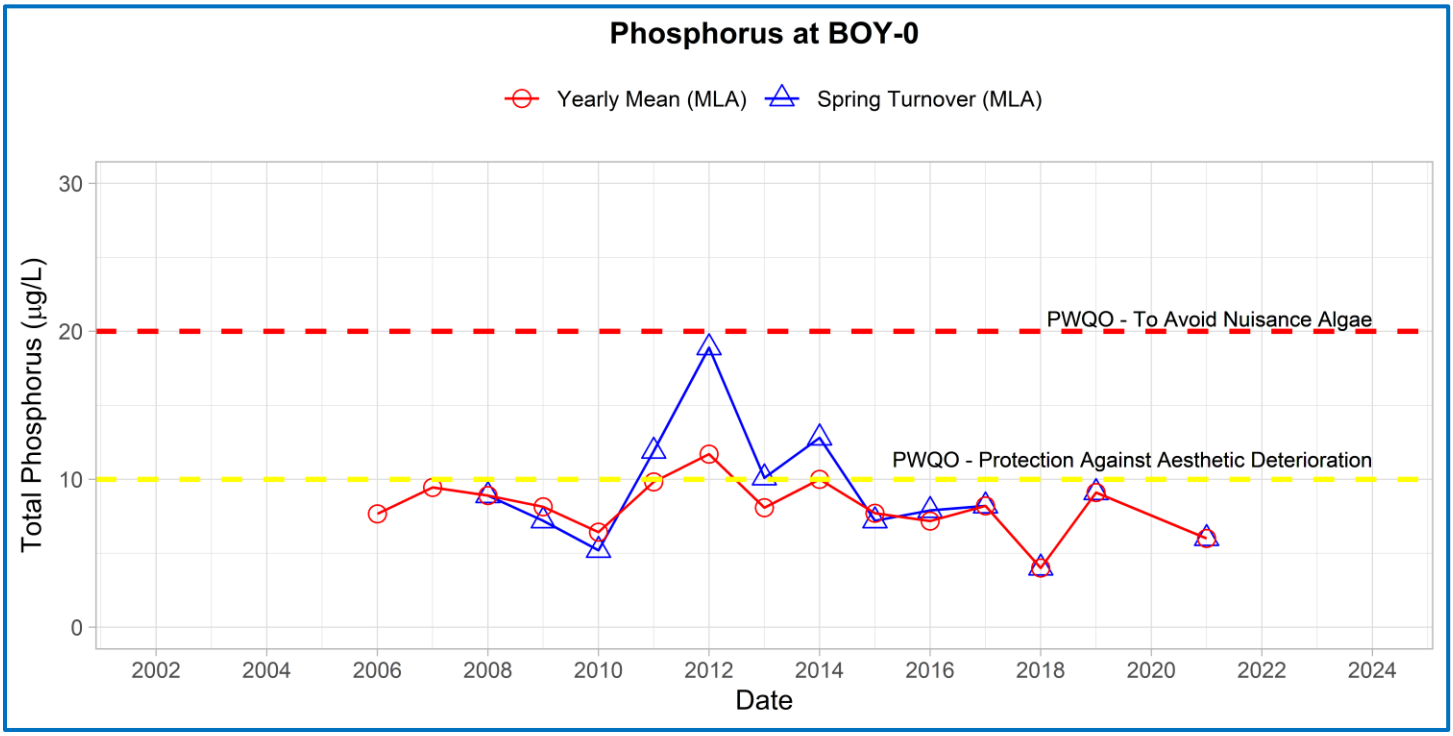
Area Description:

Boyd Bay, in the central part of eastern Lake Muskoka, is a small bay which includes a marina in the southeast, a large wetland in the north, Highway 118 to the east and several inflowing creeks. Inflow from creeks drain agricultural land and therefore may be a source of high nutrient waters. The shoreline of Boyd Bay is highly developed including many residential properties with manicured lawns. MLA monitoring of Boyd Bay began in 2006.

Volunteer Recognition: Bill & Jane Caughey, Paul Follis, Louise Cragg.

2021 Water Quality Results:

	Mean Secchi Disk (m)	Total Phosphorus (µg/L) Spring Turnover	Total Phosphorus (µg/L) Yearly Mean	E. coli Yearly Geometric Mean (cfu/100mL)	Total Coliforms Yearly Geometric Mean (cfu/100 mL)
BOY-0	2.15	6.0			
BOY-3		8.2	9.0		
BOY-4		7.7	8.6		



Note: Grubbs test indicates data collected in 2012 are considered an outlier

Spring phosphorus concentrations at the deep-water station (BOY-0) were lower than in 2019 and 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 average and spring phosphorus concentrations at BOY-3 and were higher than in 2019 but within the range of variability of previous monitoring years. Average annual Secchi disk depth (2.15 m) was consistent with previous monitoring (1.07 – 4.45 m). A Harmful Algae Bloom was reported in 2018 near BOY-3 and BOY will remain yellow until a Causation Study has been completed to inform on the likely cause of that bloom. **HESL recommends ongoing sampling to continue to monitor for long-term trends and emerging issues.**