



Area Description:

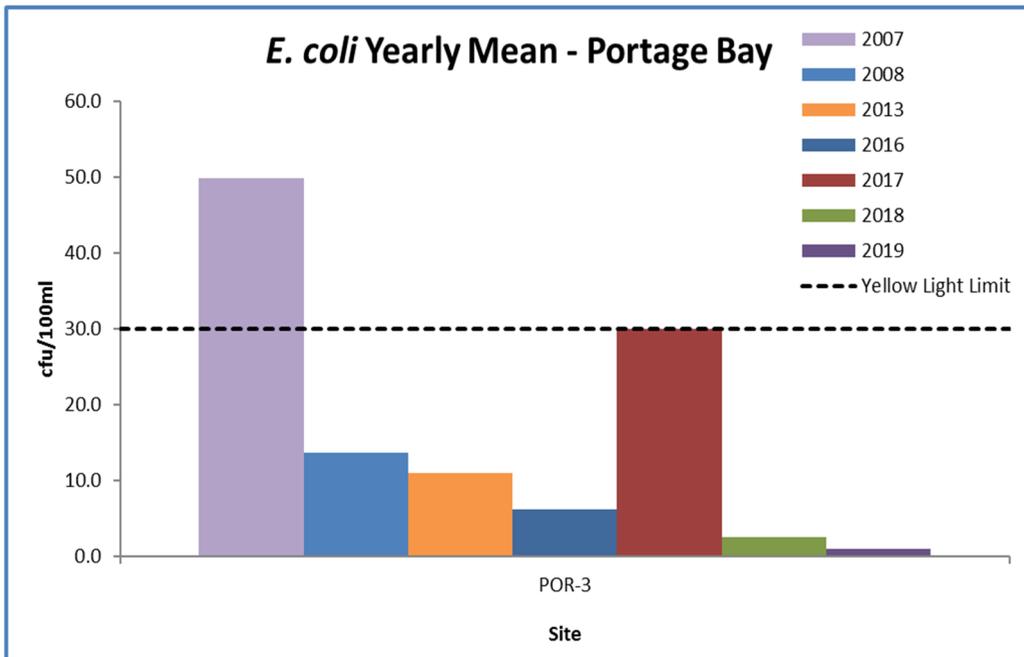
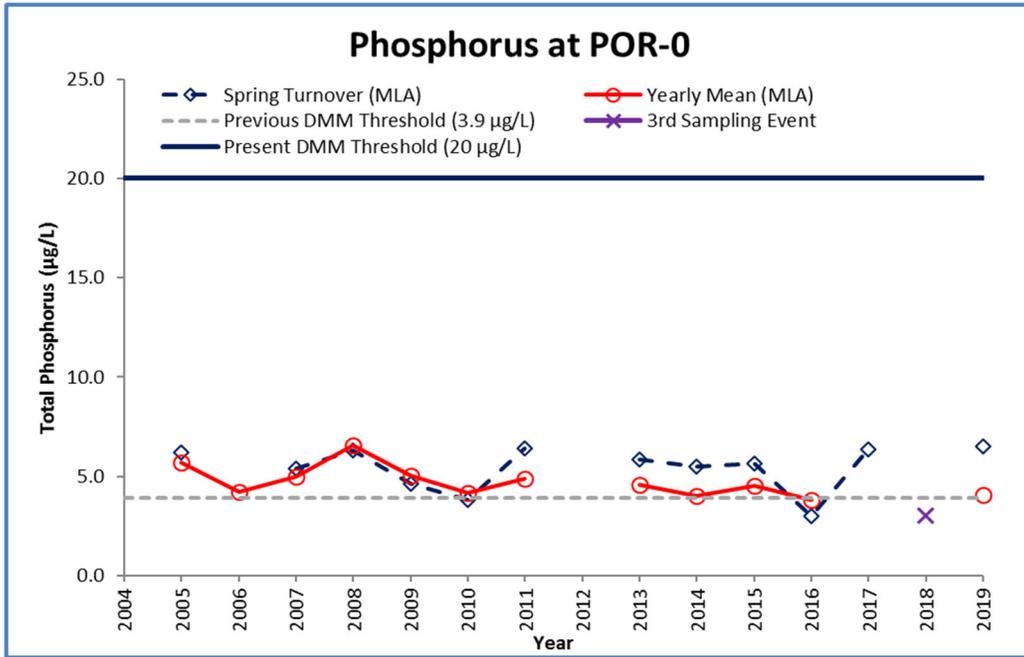
East Portage Bay is located in eastern Lake Rosseau, has an area of approximately 1.33 km², and reaches a maximum depth of 12 m. This moderately developed bay has many roads, with several areas directly adjacent to the shoreline. There is also a large agricultural area adjacent to the northern shoreline of the bay. No creeks outlet into the bay and there are no wetlands draining from the upper watershed. East Portage Bay was historically classified as highly sensitive and over threshold by the DMM. Monitoring started in 2005. All stations shown may not be sampled each year.

Volunteer Recognition: Mike Robinson, Jill Robinson, Marje Henke and Laura Rice.

East Portage Bay (POR)

2019 Water Quality Results: (Note: Hatched cell signifies not tested for in 2019)

Station	Mean Secchi Disk (m)	Total Phosphorus (µg/L)		E. coli Yearly Geometric Mean (cfu/100 ml)	Total Coliform Yearly Geometric Mean (cfu/100 ml)
		Spring Turnover	Yearly Mean		
POR-0	3.9	6.5	4.1		
POR-1		4.9	3.6		
POR-3		7.3	4.1	1.0	27.0
POR-5		6.6	4.2		



Summary and Recommendations:



The 2018 spring phosphorus concentration (13 µg/L) at the deep station (POR-0) was identified in 2018 and 2019 as an outlier in the Grubb's test and removed from the data sets. The 2019 spring phosphorus concentration at POR-0 was the highest recorded to date. That said, all readings remain well below the present DMM threshold (20 µg/L). The spring phosphorous concentration at POR-1 were the second lowest recorded to date and the yearly mean phosphorus level at POR-3 was the lowest to date. *E. coli* sampling continued at only POR-3 in 2019 and the yearly mean value was well below the MLA stoplight limits (details in report **Section 3**). Secchi measurements vary through sampling years, ranging between 1.45 and 6.5 m (2008). **Beacon recommends sampling continue to monitor long-term trends.**