



Area Description:

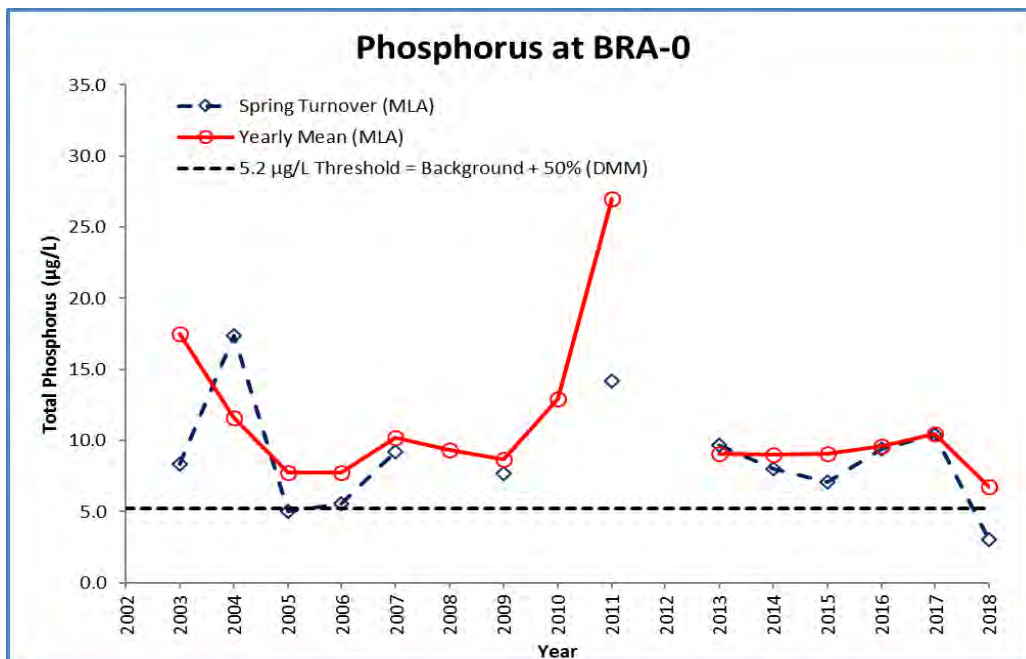
Brackenrig Bay is located in southern Lake Rosseau, is approximately 0.44 km² in area and has a maximum depth of 3 m. This isolated bay is moderately developed with residential properties. Approximately 20% of the immediate shoreline has been altered with over 60% of backlot areas cleared of natural forest. Four creeks drain into the bay, one of which flows through an agricultural area adjacent to a garden center before entering the lake. Brackenrig Road is in close proximity. Brackenrig Bay has been classified as moderately sensitive and over-threshold by the DMM. Monitoring started in 2003. All stations shown may not be sampled each year.

Volunteer Recognition: Judy Stephens-Wells, Ross Wells and Val Fleck.

Brackenrig Bay (BRA)

2018 Water Quality Results: (Note: Hatched cell signifies not tested for in 2018)

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)	DOC Yearly Mean
		Spring Turnover	Yearly Mean			
BRA-0	2.3	3.0	6.8			
BRA-1		4.0	7.5			
BRA-3		3.0	8.3			
BRA-6		4.0	7.0			



Summary and Recommendations:



The 2018 spring phosphorus was below the historic DMM threshold of 5.2 µg/L and the lowest recorded to date. Similarly, the yearly mean phosphorus result in 2018 was also the lowest to date. Spring phosphorus levels at each of BRA-1 (last sampled in 2010), BRA-3 and BRA-6 were the lowest recorded to date. The phosphorus yearly mean at both BRA-3 and BRA-6 were the lowest recorded in the last 3 years at each station. *E. coli* sampling at all stations continued to be suspended in 2018. Secchi measurements vary through sampling years, ranging between 1.45 and 3.10. BRA was given a green stoplight in 2018, changed from a yellow stoplight in 2017. **Beacon recommends sampling continue to monitor long-term trends.**