



Area Description:

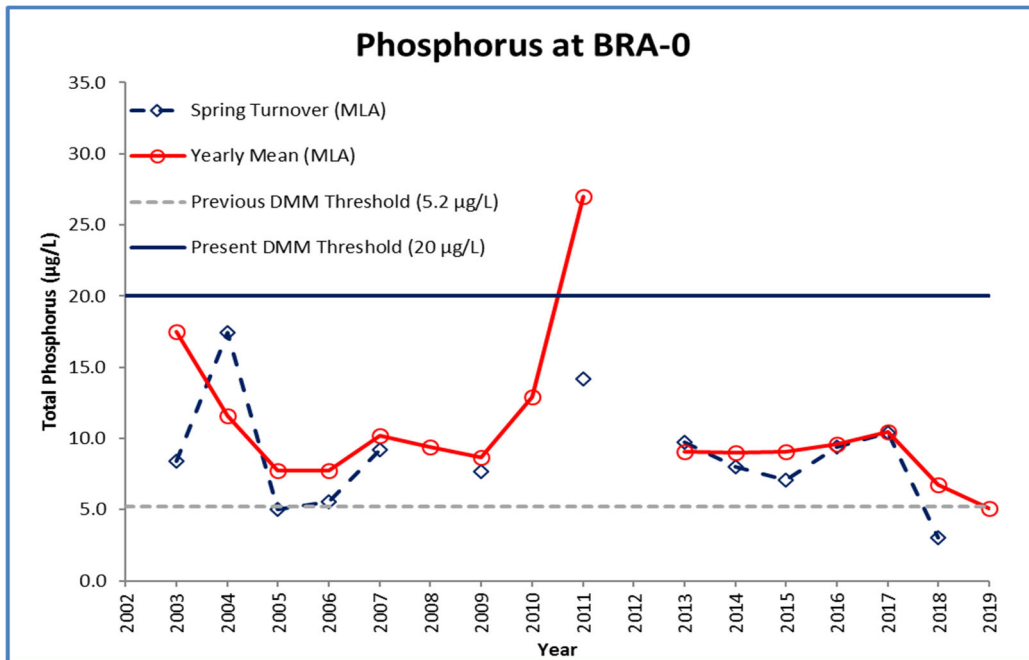
Brackenrig Bay is located in southern Lake Rosseau, is approximately 0.44 km² in area and has a maximum depth of 3 m. This isolated bay is moderately developed with residential properties. Approximately 20% of the immediate shoreline has been altered with over 60% of backlot areas cleared of natural 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 was formerly 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)

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)	DOC Yearly Mean
		Spring Turnover	Yearly Mean			
BRA-0	2.4		5.1			
BRA-1		5.1	5.2			
BRA-3			6.4			
BRA-6		6.3	5.6			



Summary and Recommendations:



BRA-0 was sampled in spring 2019, however a spring phosphorous level could not be obtained due to complications in the lab. Spring phosphorus levels at BRA-1 and BRA-6 were higher than 2018 levels. The phosphorus yearly mean at BRA-1 was the lowest recorded to date, and at BRA-6 was the lowest recorded in the last 4 years. *E. coli* sampling at all stations continued to be suspended in 2019. Secchi measurements vary through sampling years, ranging between 1.45 and 3.10 m (2017). BRA was given a green stoplight in 2018 and remains green in 2019. **Beacon recommends sampling continue to monitor long-term trends.**