



Area Description:

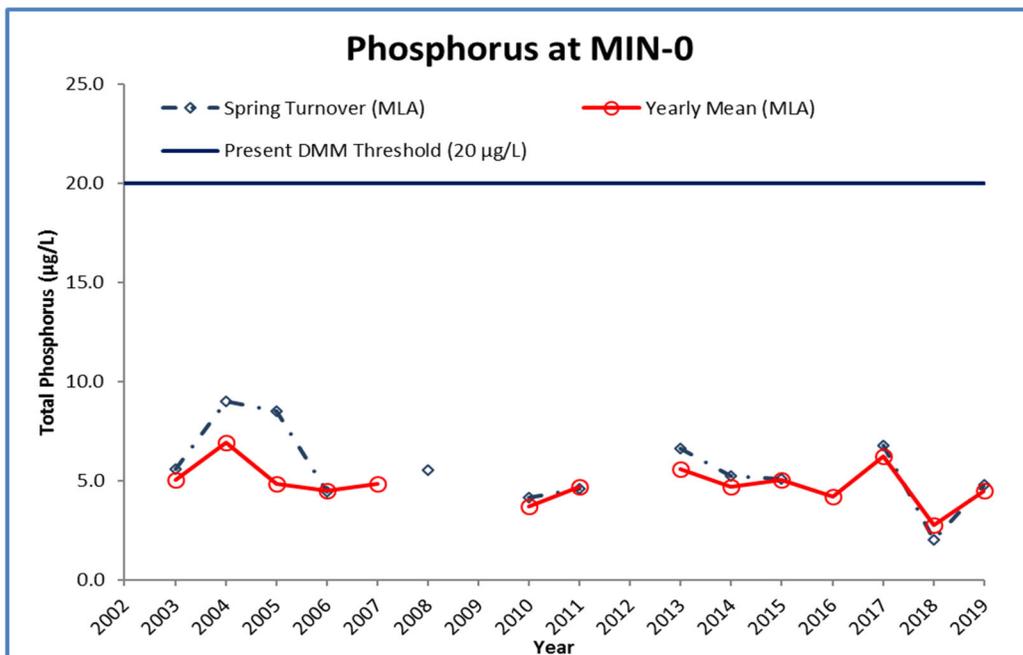
The village of Minett is located in western Lake Rosseau, and has seven sampling sites. Sampling sites were selected with the intention of monitoring the potential effects of high intensity development in this bay. The area contains two large resorts with golf courses, several roads, a marina, and many private residential properties. There is one wetland adjacent to the lake and several other small ones in the area of the bay. Monitoring started with the original program in 2003. All stations shown may not be sampled each year.

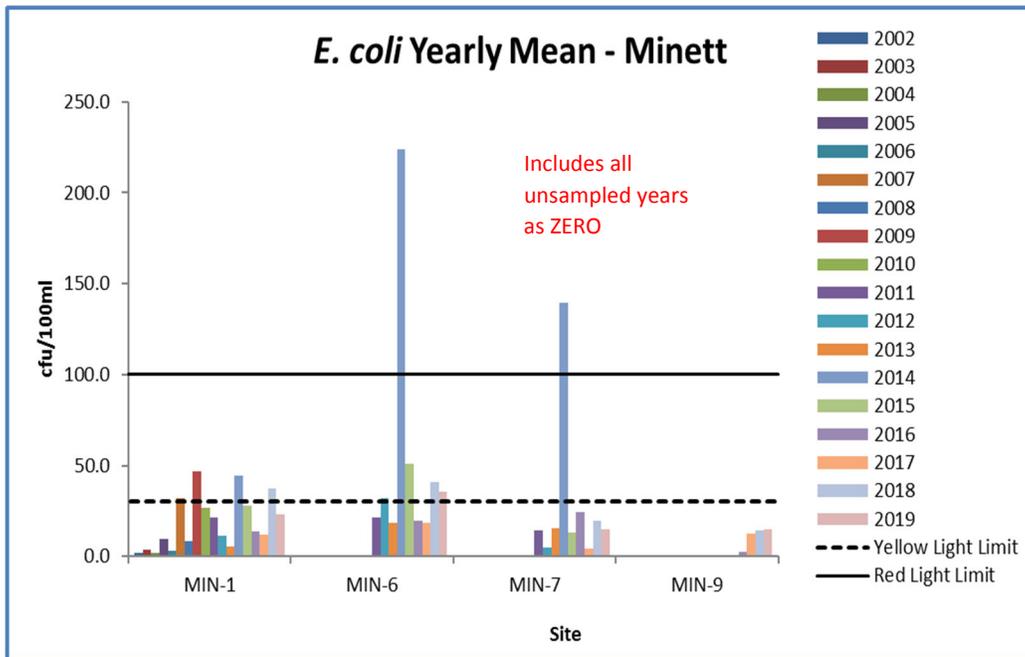
Volunteer Recognition: Laurie Thomson and Greg Thomson.

Minett (MIN)

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

Station	Mean Secchi Disk (m)	Total Phosphorus ($\mu\text{g/L}$)		<i>E. coli</i> Yearly Geometric Mean (cfu/100 ml)	Total Coliform Yearly Geometric Mean (cfu/100 ml)	DOC Yearly Mean
		Spring Turnover	Yearly Mean			
MIN-0	4.0	4.8	4.5			
MIN-1		4.8	4.6	23.4	445	
MIN-6		14.3	12.9	35.7	394.6	
MIN-7		6.6	4.8	15.0	237.3	
MIN-9		3.7	4.2	14.8	157.0	





Summary and Recommendations:



The spring phosphorus level at MIN-0 remains consistent, and all readings are well below the present DMM threshold (20 µg/L). The yearly phosphorus mean at MIN-0 has also remained consistent through the sampling years. Using Grubb's Test for outliers, the spring 2016 phosphorus sample at MIN-0 continues to be an outlier in 2019. Phosphorus sampling results at MIN-1 are consistent with previous years. MIN-7 recorded the lowest yearly mean phosphorus level of 8 years of sampling and MIN-9 showed the lowest spring phosphorus and yearly average of the last 4 years. Although MIN-6 had the lowest recorded phosphorus level (5.0 µg/L) at that station to date in August 2019, the threshold of nearshore measurements being substantially higher than the deep-water value was reached, therefore Minett remains classified as yellow in 2019. The yearly mean *E. coli* results at stations MIN-1, MIN-7 and MIN-9 were below the MLA stoplight limits (details in report Section 3), however station MIN-6 was once again above the MLA yellow light limit, maintaining a yellow stop light for Minett. Retesting was required for MIN-1, MIN-6, MIN-7, and MIN-9. Secchi measurements vary through the sampling years between 13.1 and 5.7 m (2017). **Beacon recommends sampling continue to monitor long-term trends.**