



Area Description:

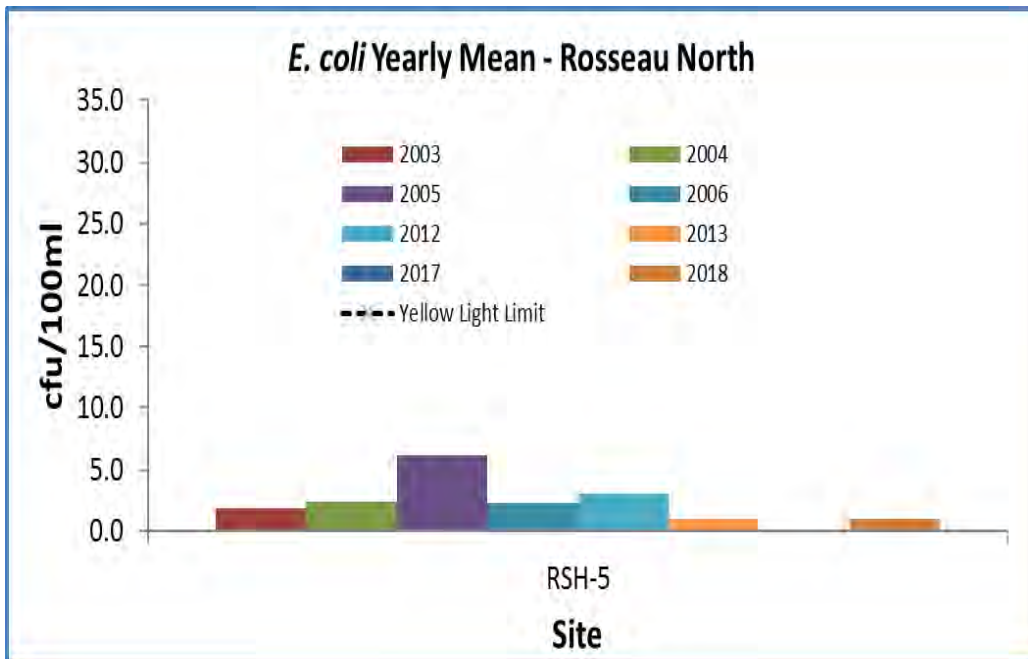
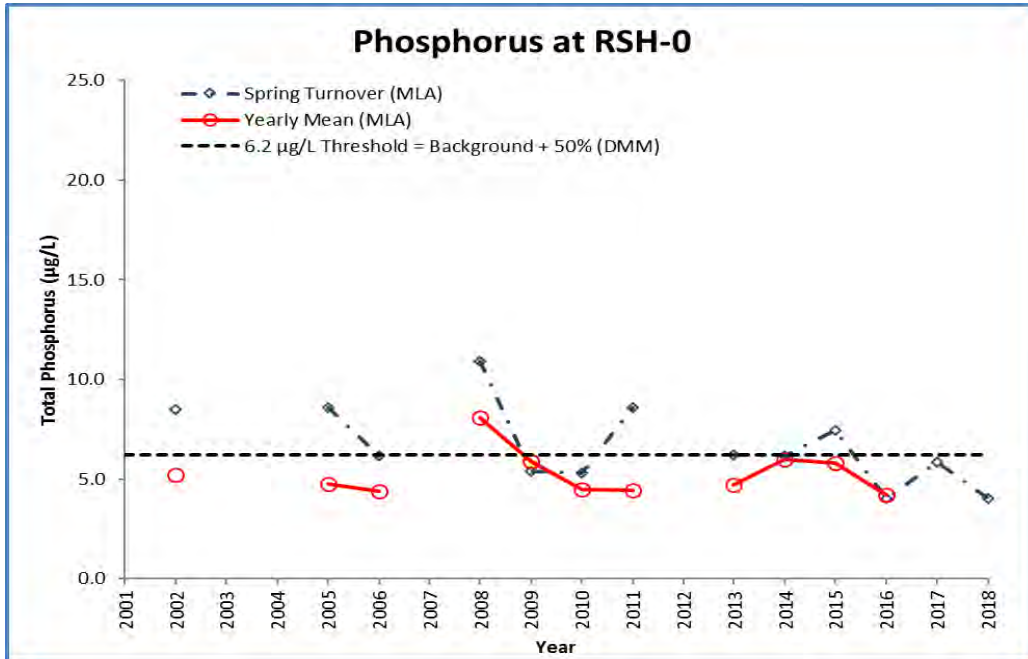
The Rosseau North sampling area is within the limits of the village of Rosseau, at the northern end of Lake Rosseau. Drainage from the village enters the lake at the sampling sites, as well as at the mouth of the Shadow River. Two creeks drain into the bay, one through a lacustrine wetland along the western shoreline and the other near Highway 141 to the east. There is a high level of development not only along the shoreline of the lake and Shadow River, but in much of the watershed area in the form of residential and agricultural properties. Monitoring started in 2002. All stations shown may not be sampled each year. **Volunteer Recognition:**

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Rosseau North (RSH)

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)
		Spring Turnover	Yearly Mean		
RSH-0	3.5	4.0	3.0		
RSH-2	3.3	10.0	5.8		
RSH-4	4.3	5.0	3.0		
RSH-5	3.8	8.0		1	15.6



Summary and Recommendations:



The spring phosphorus concentration at the deep station (RSH-0) was below the historic DMM threshold of 6.2 µg/L in 2018, and the lowest recorded to date. Only one spring phosphorus sample was collected at RSH-5 in 2018, therefore no yearly mean could be calculated, and no value is reported for 2018. The yearly phosphorus mean at RSH-4 was the lowest recorded to date. *E. coli* sampling restarted in 2018 at RSH-5 and values were well below the MLA stoplight limits (details in report **Section 3**). Secchi measurements somewhat remain stable through sampling years, varying between 2.25 and 5.10. **Beacon recommends that sampling continue to monitor long-term trends.**