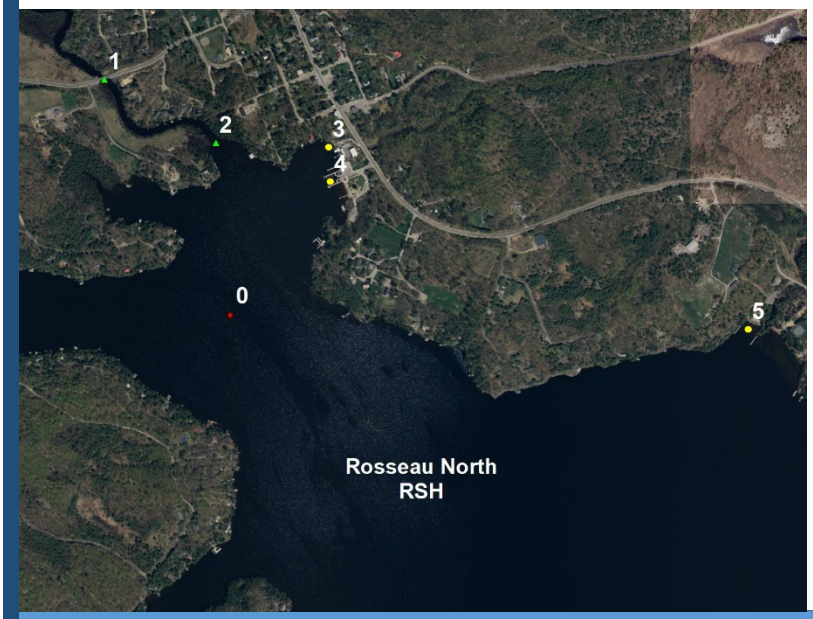


Area Description:

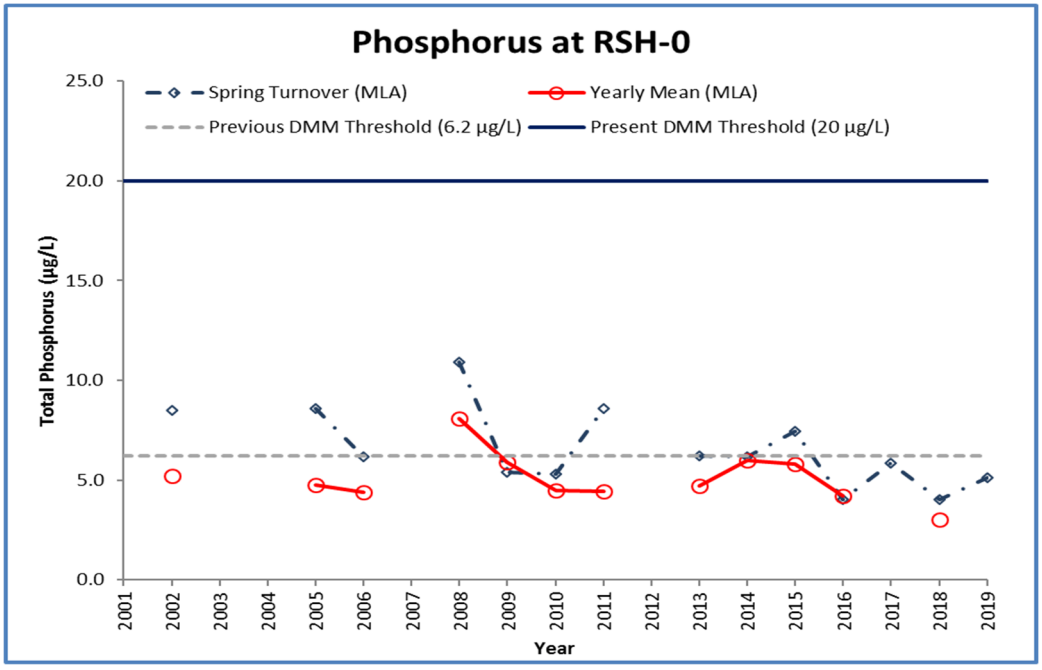
The Rosseau North sampling area is within the limits of the village of Rosseau, at the northern end of Lake Rosseau. Drainage from the village enters the lake at the sampling sites, as well as at the mouth of the Shadow River. Two creeks drain into the bay, one through a lacustrine wetland along the 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: **Sue Wessenger, Jill Lavine, Carol Ann Ballantyne**, and John Wessenger.

Rosseau North (RSH)

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		
RSH-0	2.6	5.1			
RSH-2		16.1	7.5		
RSH-4		13.4			
RSH-5		7.4			



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 2019, and all readings remain well below the present DMM threshold (20 µg/L). Only one spring phosphorus sample was collected at RSH-0, RSH-4 and RSH-5 in 2019, therefore no yearly mean could be calculated, and no value is reported for 2019. The 2019 spring phosphorus concentration at RSH-4 was the highest recorded to date. *E. coli* sampling was discontinued in 2019 at RSH-5. Secchi measurements vary through the sampling years between 1.9 and 5.1 m (2011). **Beacon recommends that sampling continue to monitor long-term trends.**