



Area Description:

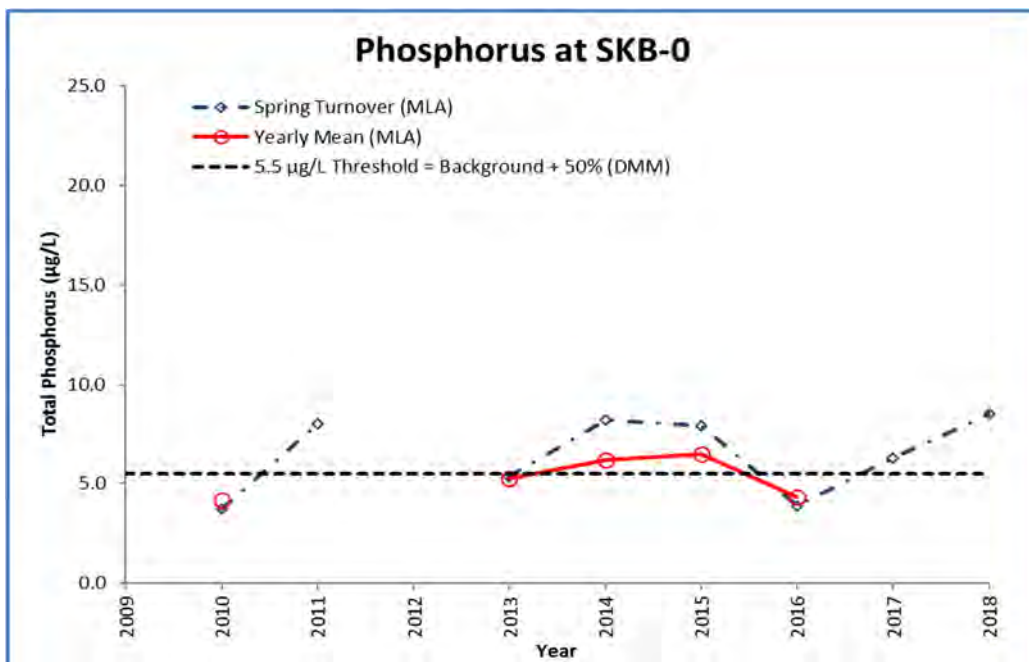
Skeleton Bay is located in the eastern portion of Lake Rosseau's north basin. It is approximately 1.7 km² in size with a maximum depth of 20 m. Highway 141 follows the shoreline in the northeast section of the bay, below a steep, cliffed area. This bay is fed by six watercourses including the Bent River which drains agricultural lands. Skeleton Bay is classified as moderately sensitive by the DMM. Monitoring started in 2010. All stations shown may not be sampled each year.

Volunteer Recognition: Jill Lavine and Jordan Lavine.

Skeleton Bay (SKB)

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		
SKB-0	3.5	8.5			
SKB-1		7.0	6.3		



Summary and Recommendations:



As indicated in the graph, the spring turnover phosphorus concentration at the deep station (SKB-0) in 2018 once again exceeded the DMM threshold of 5.5 µg/L, and was the highest recorded to date. Spring phosphorus levels show an increasing trend in the last 3 years, changing the stoplight from green to yellow. Only one spring phosphorus sample was collected at SKB-0 in 2018, therefore no yearly mean could be calculated, and no value is reported for 2018. Phosphorus concentrations at SKB-1 remain consistent with historic concentrations. Secchi measurements vary greatly through sampling years, ranging between 2.13 and 9.50. **Beacon recommends continuing the monitoring program.**