



Area Description:

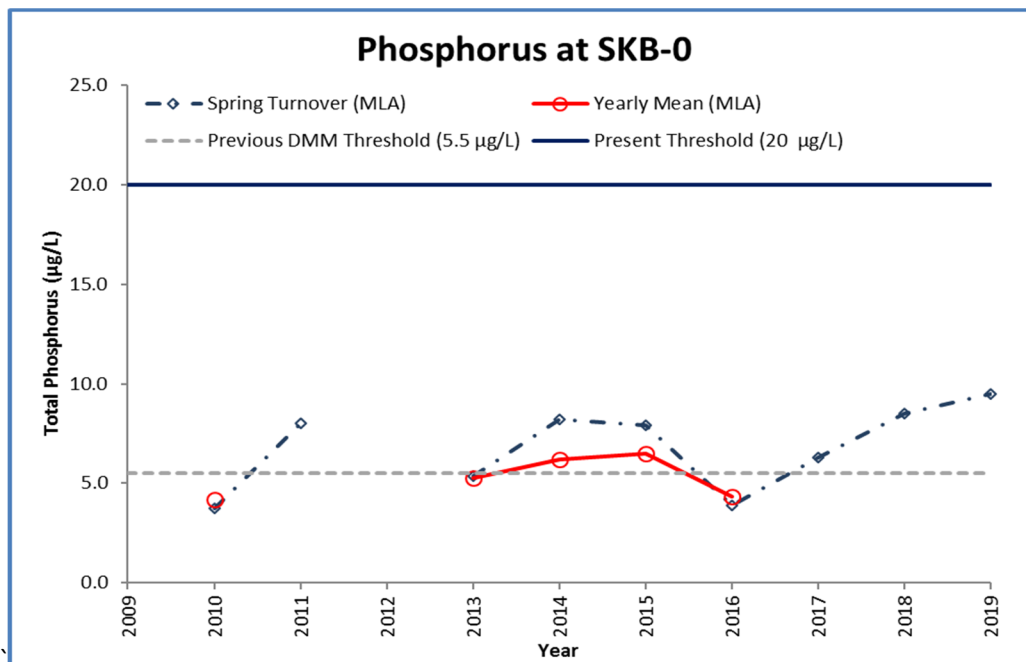
Skeleton Bay is located in the eastern portion of Lake Rosseau's north basin. It is approximately 1.7 km² in size with a maximum depth of 20 m. Highway 141 follows the shoreline in the northeast section of the bay, below a steep, cliffed area. This bay is fed by six watercourses including the Bent River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

Volunteer Recognition: **Jill Lavine**

Skeleton Bay (SKB)

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		
SKB-0	3.3	9.5			
SKB-1		8.6	8.3		



Summary and Recommendations:



The spring turnover phosphorus concentration at the deep station (SKB-0) in 2019 was the highest recorded to date, and once again exceeded the historic DMM threshold of 5.5 $\mu\text{g/L}$. That said, all readings remain well below the present DMM threshold (20 $\mu\text{g/L}$). Only one spring phosphorus sample was collected at SKB-0 in 2019, therefore no yearly mean could be calculated, and no value is reported for 2019. There is a 3-year trend of increasing spring turnover phosphorus at SKB-0, therefore Skeleton Bay changes from a green to a yellow stop light in 2019. Phosphorus concentrations at SKB-1 remain consistent with historic concentrations. Secchi measurements vary greatly through sampling years, ranging between 2.13 and 6.13 m (2010). **Beacon recommends continuing the monitoring program.**