

Area Description:

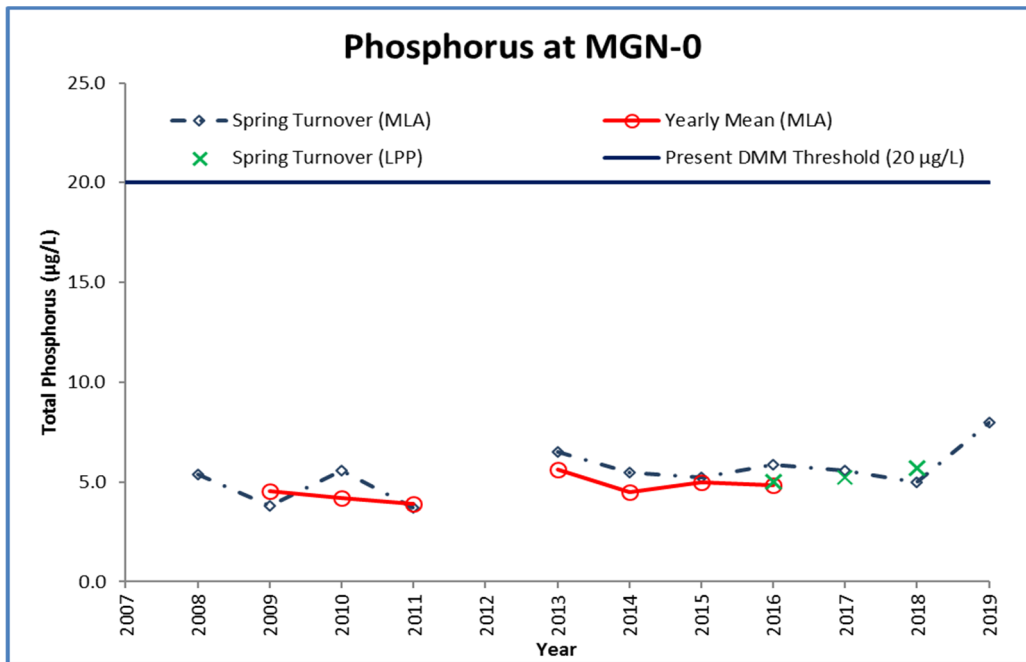
Morgan Bay is in the northernmost part of Lake Rosseau, and a series of small bays make up this large sampling area. Several creeks outlet into this bay close to the nearshore sampling sites and there is a wetland adjacent to the lake at MGN-3. Most of the shoreline area is developed with residential properties, but many retain natural riparian vegetation. Nearly the entire area has road access and several of these roadways come very close to the water. Monitoring started in 2008. All stations shown may not be sampled each year.

Volunteer Recognition: Sue Wessenger, Carol Ann Ballantyne, Jill Lavine, John Wessenger, and the Lake Partner Program.

Morgan Bay (MGN)

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		
MGN-0	1.9	8.0			
MGN-2		4.6	3.8		



Summary and Recommendations:



The spring phosphorus result at MGN-0 in 2019 was the highest recorded to date, and all readings remain well below the present DMM threshold (20 $\mu\text{g/L}$). Only one phosphorus sample (spring) was collected in 2019, therefore no yearly mean could be calculated, and no value is reported for 2019. Lake Partner Program spring phosphorus data was available in 2016, 2017 and 2018, and is included in the graph. Secchi measurements vary through the sampling years between 1.9 (2019) and 5.25 m (2011). **Beacon recommends that the MLA rely on the Lake Partner Program data when it is available, and sampling continue to monitor long-term trends.**