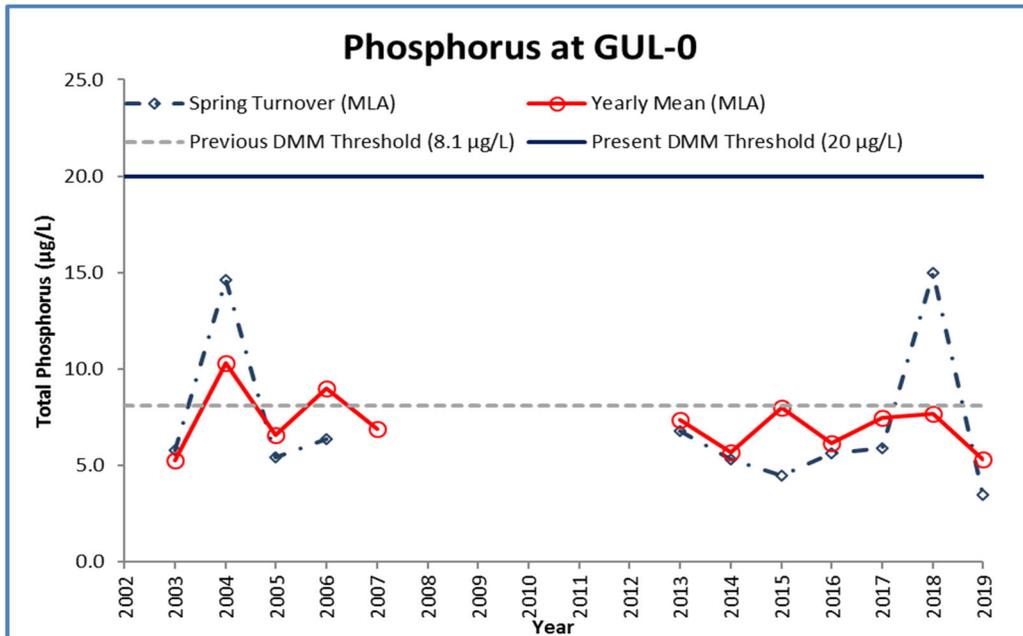## Area Description:

Gull Lake is in the Town of Gravenhurst. Highway 11 crosses Gull Lake at its midpoint. The lake is approximately 1.35 km² in area, with a maximum depth of 7 m. Gull Lake is fed directly from Silver Lake at its south end with an additional nine creeks outletting into the lake. The Gull Lake watershed is approximately 3.6 km² in size. Gull Lake was historically classified as moderately sensitive by the DMM. Monitoring started with the original program in 2003. All stations shown may not be sampled each year.
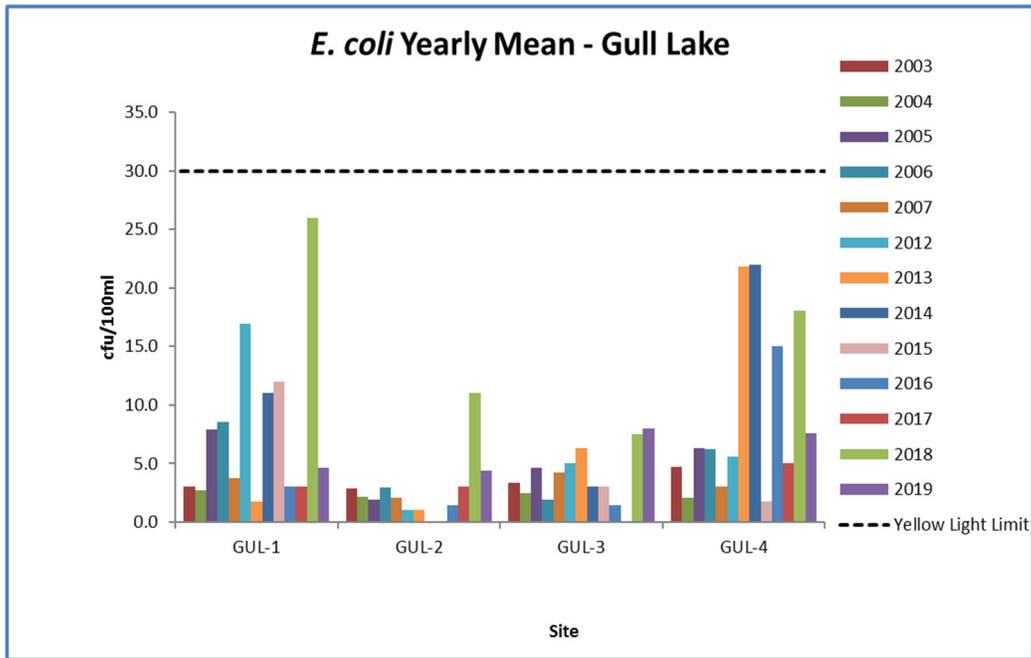
Volunteer Recognition: Bruce Elliott, Dave Stephens, Joanne Smith, Skipper Jim Barwell, and Anne Elliott.

Gull Lake (GUL)

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		
GUL-0	3.8	3.5	5.3		
GUL-1				4.6	77.4
GUL-2				4.4	134.2
GUL-3				8.0	60.1
GUL-4				7.6	52.6

E. coli Yearly Mean - Gull Lake

Summary and Recommendations:

The spring turnover at the deep station (GUL-0) in 2019 was below the historic DMM threshold of 8.1 µg/L and was the lowest recorded to date. All readings at GUL-0 remain below the present DMM threshold (20 µg/L). Although the increasing trend of phosphorus levels at GUL-0 has subsided, the yearly mean phosphorus at GUL-0 was substantially higher than the spring turnover concentration, resulting in Gull Lake being classified as yellow in 2019. *E. coli* counts have continued to be well below the MLA stoplight limits (details in report Section 3), and levels decreased in 2019 from the levels found in 2018 at all four nearshore sites. The Secchi depths remain stable through the years, varying between 2.5 and 4.8 (2016). **Beacon recommends sampling be continued to monitor long-term trends at all sites.**