Area Description:

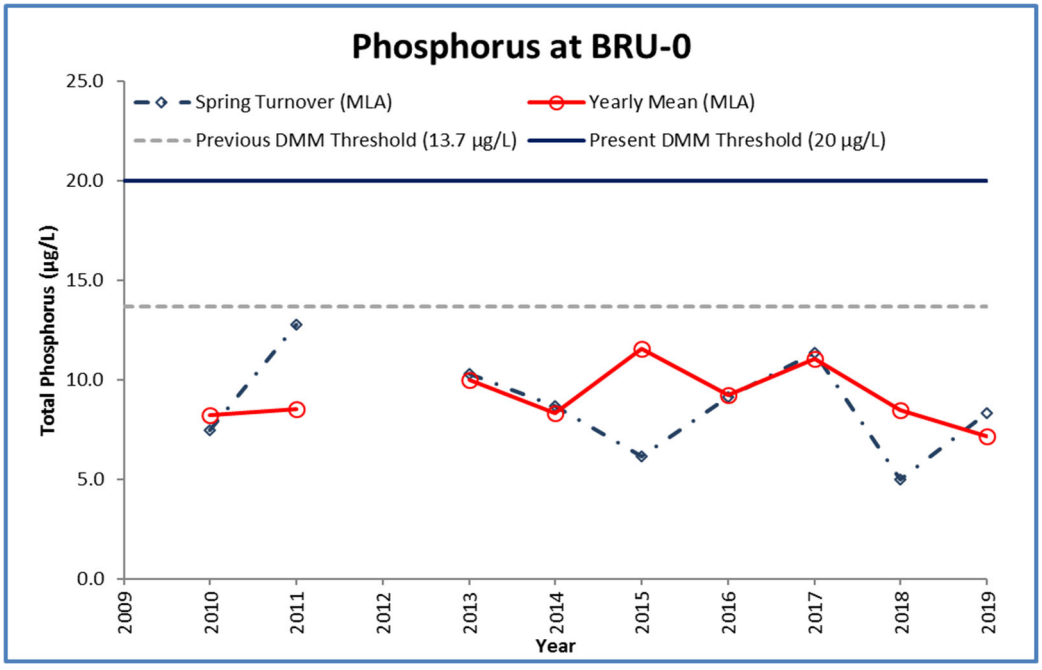
Bruce Lake is located east of Hwy 632, between Lake Joseph and Lake Rosseau. It is relatively small in size at 1.0 km^2 and has a maximum depth of 6 m. Approximately 25% of the catchment area for this lake is made up of wetlands. The lake is moderately developed and there is a golf course located immediately to the south. Bruce Lake was formerly classified as moderately sensitive by the DMM. Monitoring started in 2010. All stations shown may not be sampled each year.

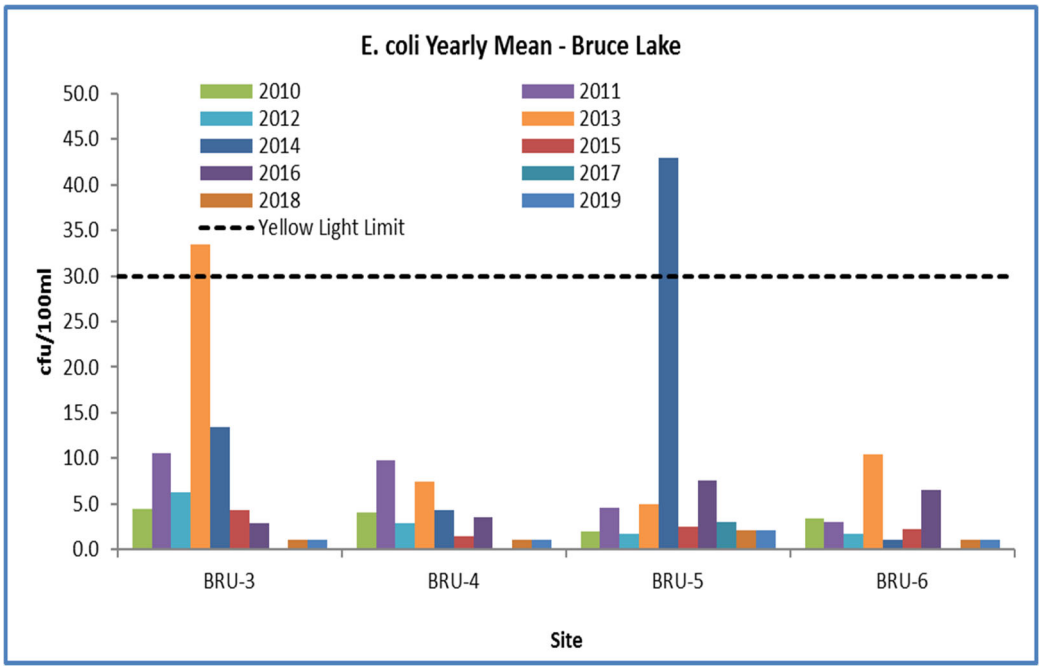
Volunteer Recognition: **Brian Beatty**, and Marlee Brown.

Bruce Lake (BRU)

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		
BRU-0	5.4	8.3	7.2	1	16
BRU-3		6.0	7.9	1	28.0
BRU-4		9.0	7.1	1	21.1
BRU-5		6.3	7.4	2.1	32.9
BRU-6		6.2	19.2	1	29.0





Summary and Recommendations:

Phosphorus concentrations continue to remain consistently below the historic DMM threshold of 13.7 µg/L, and all readings remain well below the present DMM threshold (20 µg/L). The 2019 spring phosphorus concentrations and yearly means at BRU-5 and BRU-6 were the second lowest recorded in 8 years. The nearshore phosphorus levels at BRU-3 were substantially higher than the deep-water levels. All 2019 *E. coli* yearly means at each of the nearshore stations were well below the MLA stoplight limits (details in report Section 3) and did not exceed 30 cfu/ml. The average Secchi measurement in 2019 was the deepest recorded to date and Secchi measurements remain stable through sampling years, varying between 2.4 and 6.5 m (2019). **Beacon recommends that sampling continue to monitor long-term trends.**