



Area Description:

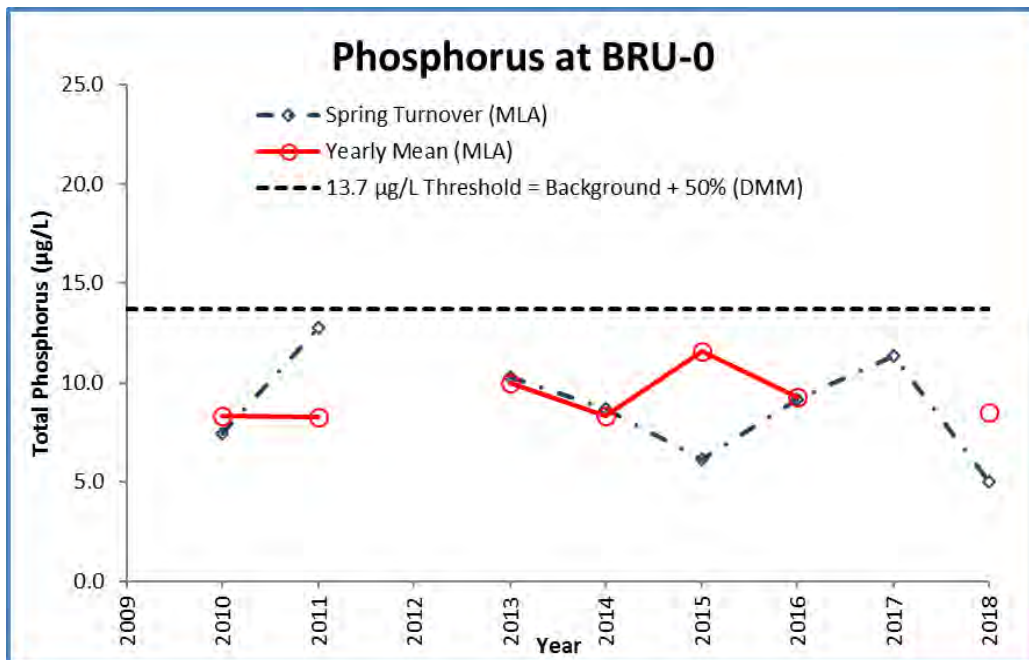
Bruce Lake is located east of Hwy 632, between Lake Joseph and Lake Rosseau. It is relatively small in size at 1.0 km² and has a maximum depth of 6 m. Approximately 25% of the catchment area for this lake is made up of wetlands. The lake is moderately developed and there is a golf course located immediately to the south. Bruce Lake is classified as moderately sensitive by the DMM. Monitoring started in 2010. All stations shown may not be sampled each year.

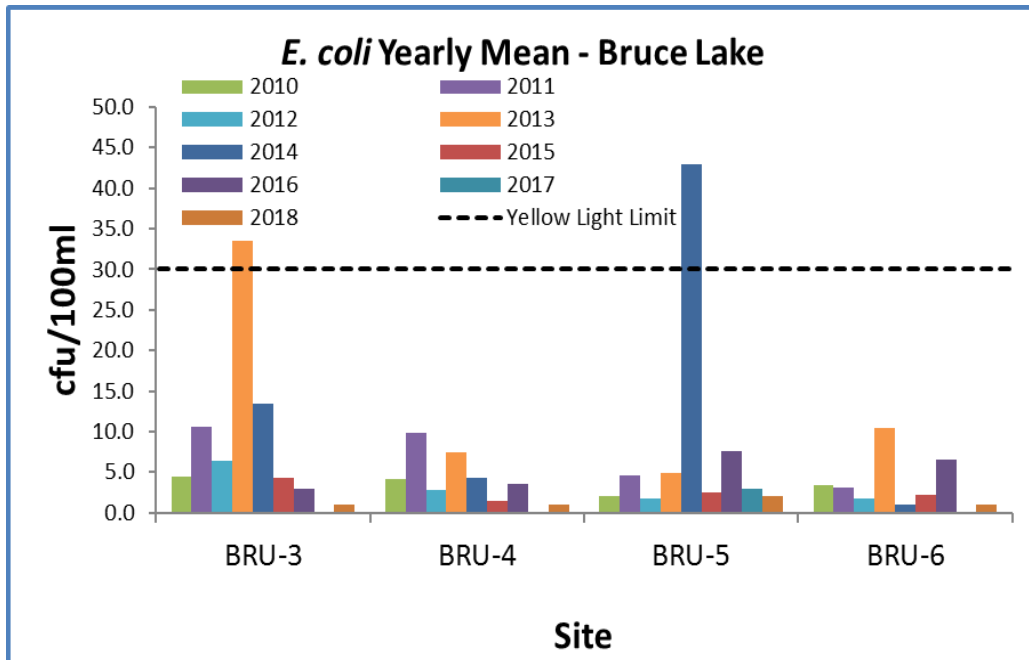
Volunteer Recognition: Brian Beatty, Richard Eaves and Joanna Eaves.

Bruce Lake (BRU)

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		
BRU-0	3.5	5.0	8.5		
BRU-3		3.0	5.0	1	33.5
BRU-4		7.0	4.8	1	21.8
BRU-5		4.0	4.3	2.1	45.4
BRU-6		5.0	5.0	1	28.7





Summary and Recommendations:



Phosphorus concentrations continue to remain consistently below the historic DMM threshold of 13.7 µg/L through all sampling years at BRU-0, with the lowest phosphorus concentration to date (5.0 µg/L) observed in 2018. The 2018 spring phosphorus concentrations at BRU-3, BRU-5 and BRU-6 were the lowest recorded to date. As well, the yearly phosphorus means at BRU-3, BRU-4, BRU-5 and BRU-6 were the lowest recorded at those stations to date. All the 2018 *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. Secchi measurements also remain stable through sampling years, varying between 2.4 and 4.75. **Beacon recommends that sampling continue to monitor long-term trends.**