



Area Description:

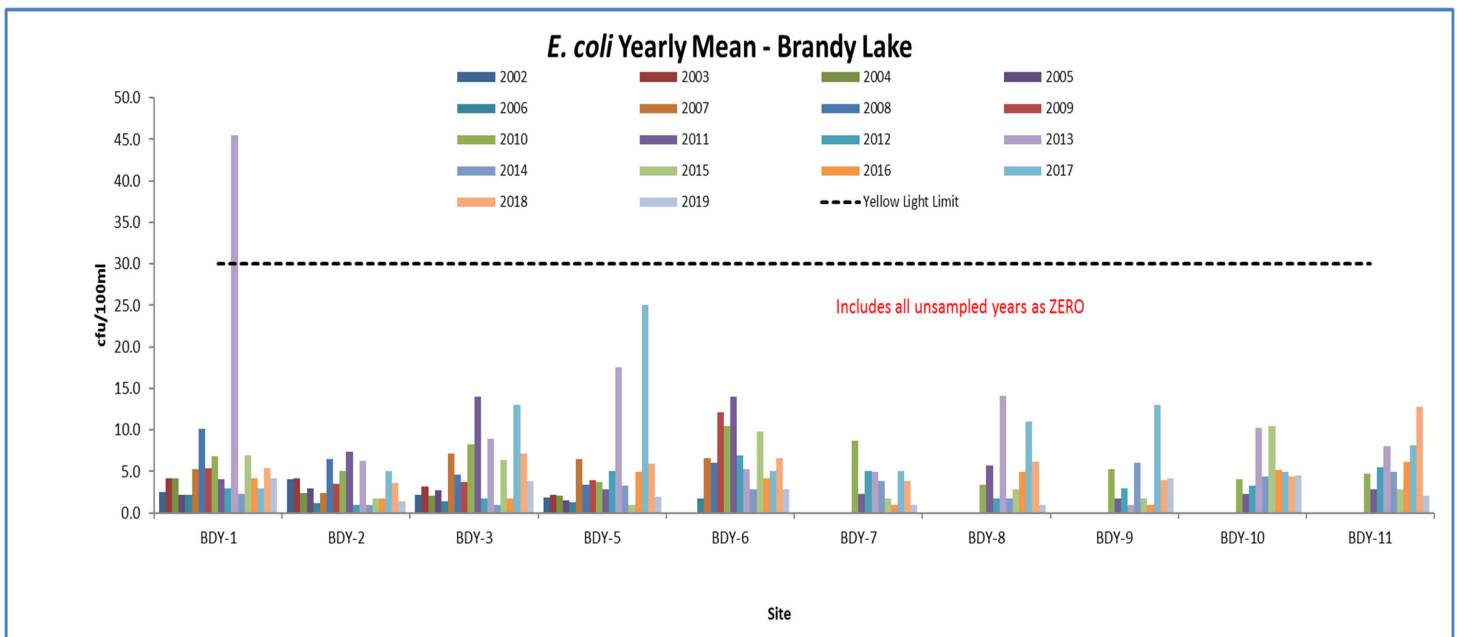
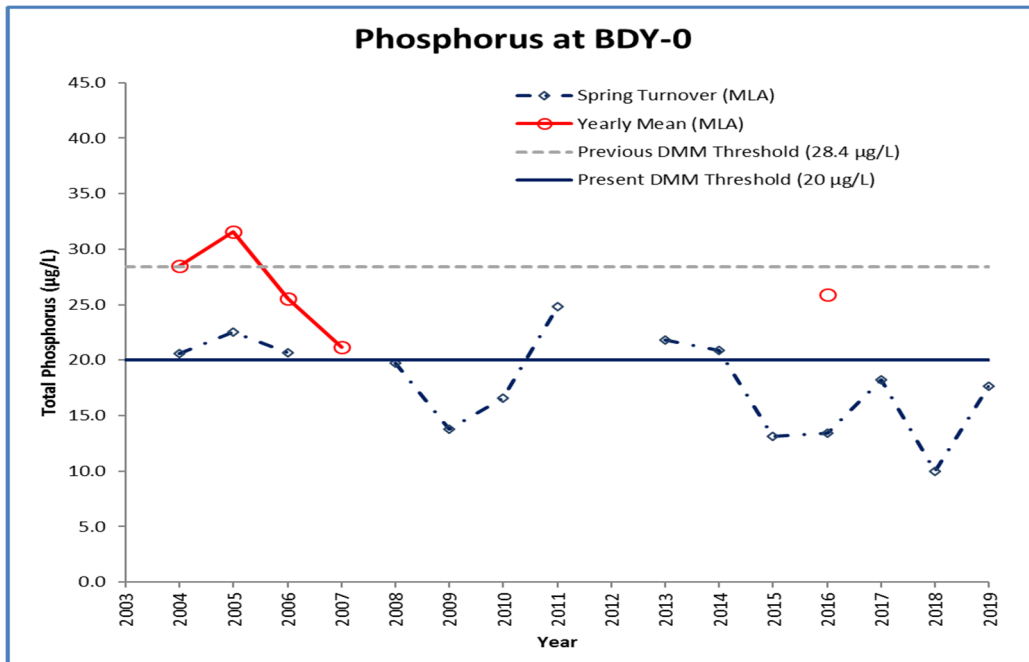
The shoreline of Brandy Lake is moderately developed with many residences and access roads. A large number of the properties maintain a natural shoreline but, there is close to 10% un-buffered lawn. Approximately 40% of the lake shoreline is natural wetland. In the eastern portion of the lake, there is a large wetland with a creek outlet. A second creek is located to the southeast. Brandy Lake is a dystrophic, or “tea-coloured” lake, which is naturally rich in carbon. Monitoring started in 2004. All stations shown may not be sampled each year.

Volunteer Recognition: Don Burn, Kevin Trimble, Andy von Bredow, and Jon Deveith.


Brandy Lake (BDY)

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		
BDY-0	1.0	17.7			
BDY-1	1.0			4.2	10.1
BDY-2	0.9			1.4	21.6
BDY-3	0.8			3.9	8.1
BDY-5	0.9			2	12.4
BDY-6	0.9			2.8	26.9
BDY-7	0.8			1	8.6
BDY-8	1.0			1	6.1
BDY-9	1.0			4.2	17.6
BDY-10	1.0			4.5	16.6
BDY-11	0.9			2.1	13.4



Summary and Recommendations:

 Spring phosphorus concentrations continue to remain consistently below the historic DMM threshold of 28.4 µg/L, and for the last 5 years all readings remain well below the present DMM threshold (20 µg/L). Only one phosphorus sample (spring) was collected at BDY-0 in 2019, therefore no yearly mean could be calculated or reported for 2019. All the 2019 *E. coli* yearly means at each of the nearshore stations were below the MLA stoplight limits (details in report Section 3). No retests for any bacterial counts were required in 2019. Secchi measurements remain stable through sampling years, varying between 0.44 and 3.10 m (2007). A Harmful Algae Bloom was reported in September 2019, resulting in the change to a red stoplight in 2019. **Beacon recommends continued sampling to monitor long-term trends.**