



### Area Description:

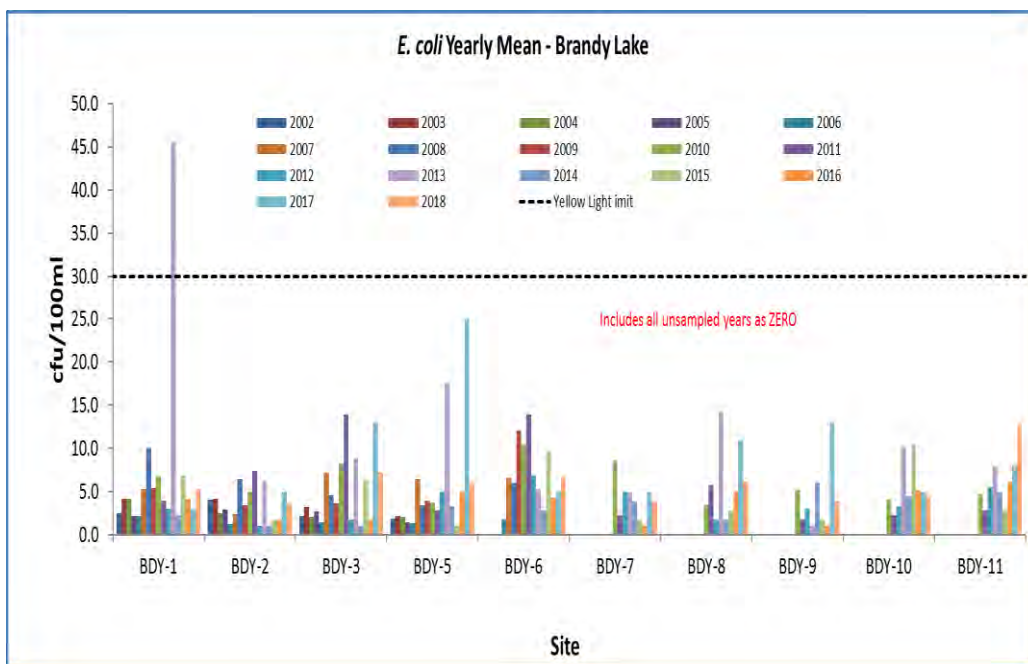
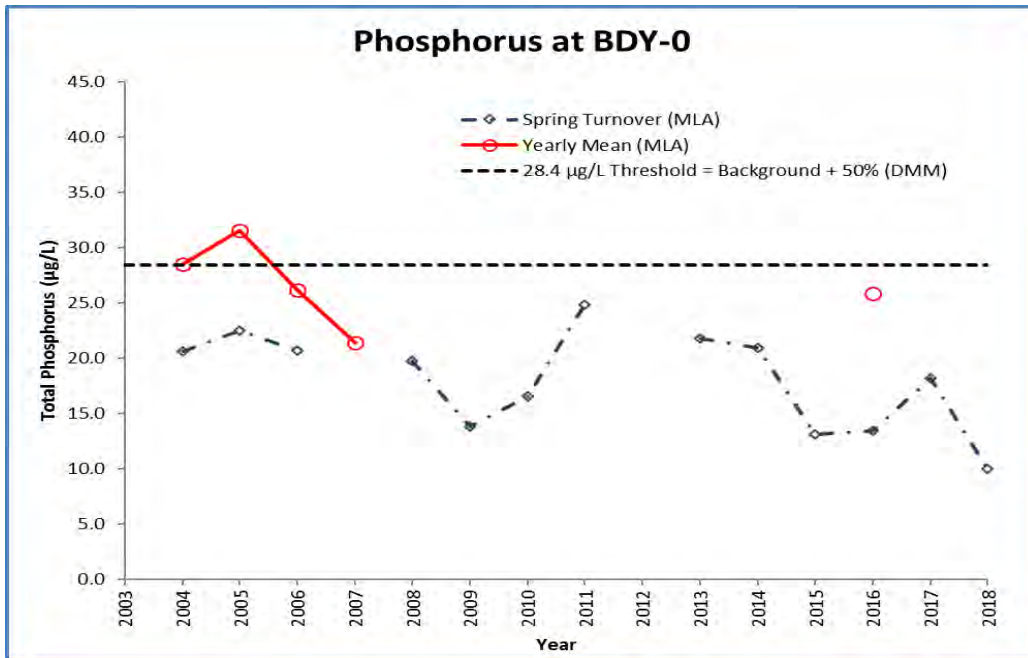
The shoreline of Brandy Lake is moderately developed with many residences and access roads. A large number of the properties maintain a natural shoreline but, there is close to 10% un-buffered lawn. Approximately 40% of the lake shoreline is natural wetland. In the eastern portion of the lake, there 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: Kevin Trimble, D.Burn, A. von Bredow and Moreen Miller.**


## Brandy Lake (BDY)

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		
BDY-0	1.2	10.0			
BDY-1	1.3			5.4	26.6
BDY-2	1.2			3.6	20.0
BDY-3	1.2			7.1	29.6
BDY-5	1.2			5.9	19.1
BDY-6	1.2			6.6	41.7
BDY-7	1.2			3.9	53.1
BDY-8	1.2			6.2	22.2
BDY-9	1.4			4.0	34.7
BDY-10	1.3			4.4	37.9
BDY-11	1.3			12.8	58.5



## Summary and Recommendations:


 Spring phosphorus concentrations continue to remain consistently below the historic DMM threshold of 28.4 µg/L, with the lowest phosphorus value observed in 2018 of 10.0 ug/L. Only one spring phosphorus sample was collected in 2018, therefore no yearly mean could be calculated, and no value is reported for 2018. All the 2018 *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 2018. Secchi measurements remain stable through sampling years, varying between 0.44 and 3.1. **Beacon recommends continued sampling to monitor long-term trends.**