



Area Description:

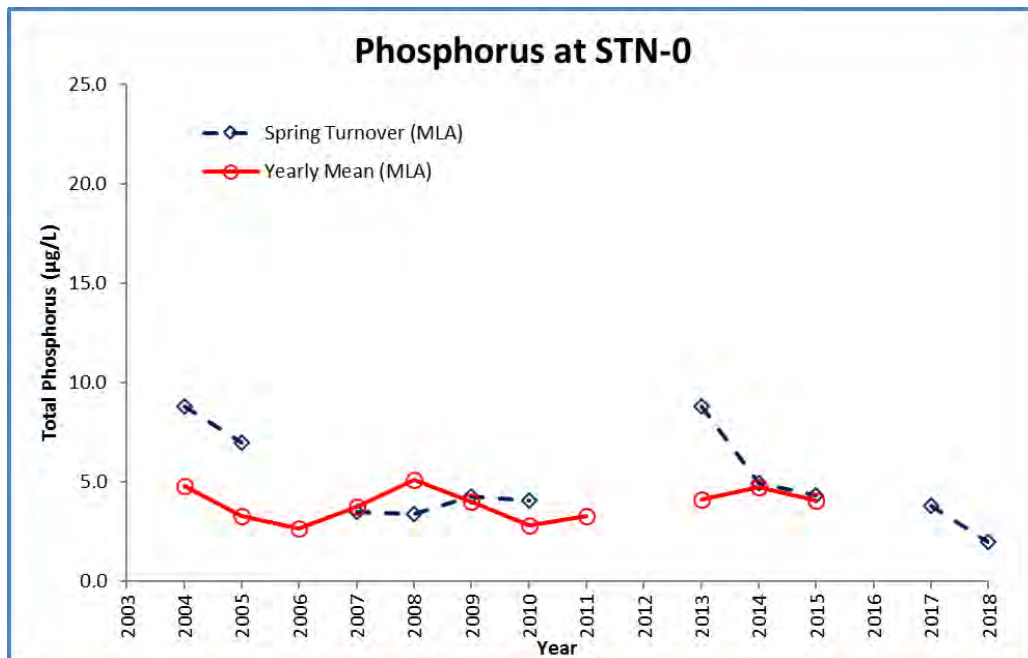
Stanley Bay is located on the north-east side of Lake Joseph. This deepwater bay has evenly distributed development with largely intact forest cover along the shoreline. STN-3 is located in a shallow, sandy area at the end of a small bay where a creek outlets. There are several roads around this bay and a moderate level of residential development, but no marinas, large resorts, commercial development, or agricultural development which could negatively impact water quality. All stations shown may not be sampled each year.

Volunteer Recognition: Alex Magditsch, Cecil Hayhoe, John Offutt, Juliana Magditsch and Lynda McCarthy.

Stanley Bay (STN)

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		
STN-0	6.4	2.0			
STN-2		2.0			



Summary and Recommendations:



The 2018 spring phosphorus concentration at STN-0 was the lowest to date. Using Grubb's Test for outliers, the spring 2011 phosphorus sample was identified as an outlier in 2013 and remains out of the dataset in 2018. Only one spring phosphorus sample was collected in 2018, therefore no yearly mean could be calculated, and no value is reported for 2018. The spring phosphorus value at STN-2 was also the lowest recorded to date. Secchi measurements vary through sampling years, ranging between 3.75 to 8. **Beacon recommends sampling continue to monitor long-term trends.**