



Area Description:

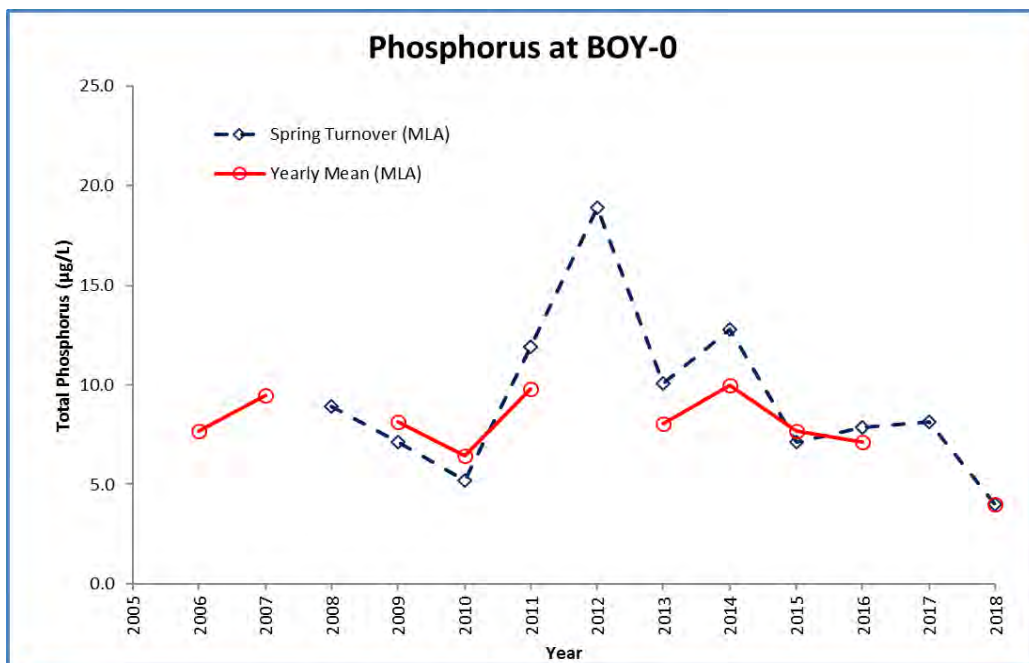
Boyd Bay is a small bay in the central part of eastern Lake Muskoka. The water quality in Boyd Bay is influenced by several natural and man-made features, including a marina in the southeast, a large wetland in the north, Highway 118 to the east and several inflowing creeks. The creeks that drain into the bay are potentially influenced by agricultural areas. Much of the shoreline is developed and many residential properties have manicured lawns along the shoreline. Monitoring started in 2006. All stations shown may not be sampled each year.

Volunteer Recognition: Chris Cragg, Rayma Blaymires, Lynn Langford, Chris Blaymires and Dave Langford.

Boyd Bay (BOY)

2018 Water Quality Results: (Note: Hatched cell signifies not tested for in 2018)

Station	Mean Secchi Disk (m)	Total Phosphorus ($\mu\text{g/L}$)		<i>E. coli</i> Yearly Geometric Mean (cfu/100 ml)	Total Coliform Yearly Geometric Mean (cfu/100 ml)	DOC Yearly Mean
		Spring Turnover	Yearly Mean			
BOY-0	2.9	4.0	4.0			
BOY-3		5	6.5			
BOY-4		8	7.3			



Summary and Recommendations:



Phosphorus was sampled for at the first 2 dates at BOY-0 in 2018 and concentrations were lower than any previous years with a spring and mean value of 4.0 ug/L. The spring phosphorus concentrations at BOY-3 was the lowest recorded value to date while the spring phosphorus at BOY-4 was consistent with the previous 3 years. The phosphorus yearly mean at both BOY-3 and BOY-4 were the lowest recorded in the last 4 years at each station. Secchi measurements remain stable through the sampling years, varying between 1.07 and 4.45. **Beacon recommends sampling continue to monitor long-term trends.**