



Area Description:

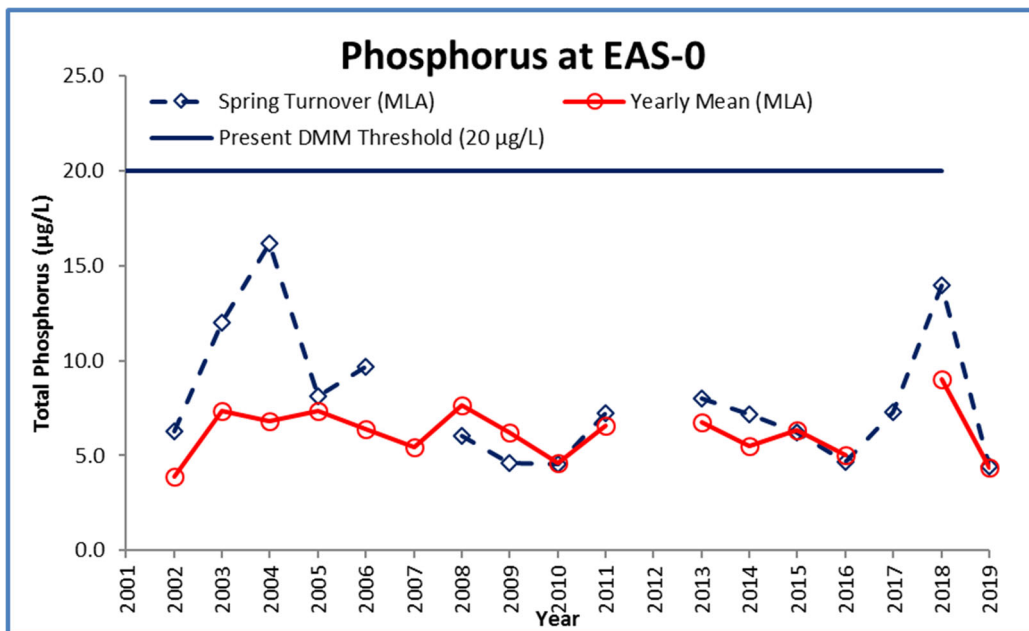
East Bay is in the western portion of Lake Muskoka and is part of Hardy Lake Provincial Park. This is a low development area with very few cottages/residences and few access roads. Several long narrow bays form the drainage area where five creeks outlet into the main bay from the park. These creeks also drain wetland areas into East Bay. Monitoring started in 2002. All stations shown may not be sampled each year.

Volunteer Recognition: Jan Getson, Jeff Hall, and Gary Getson.

East Bay (EAS)

2019 Water Quality Results: (Note: Hatched cell signifies not tested for in 2019)

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)
		Spring Turnover	Yearly Mean		
EAS-0	3.8	4.4	4.4		
EAS-2		17.7	8.9		
EAS-4		5.6	4.4		



Summary and Recommendations:



The spring phosphorus concentration at EAS-0 (4.4 µg/L) was much lower than the previous year, and all readings remain well below the present DMM threshold (20 µg/L). Although the spring phosphorus level at EAS-2 was the highest to date, low concentrations (≤ 7.6 µg/L) in the remainder of 2019 resulted in a yearly phosphorus mean similar to the average of the past 5 years. EAS-4 was a new station in 2017 and should be continued to be monitored to look for trends. The nearshore phosphorus levels at EAS-2 were notably higher than the deep-water levels. Secchi measurements remain stable through sampling years, varying between 2.6 and 5.5 m (2010). **Beacon recommends continued sampling to monitor long-term trends.**