



Area Description:

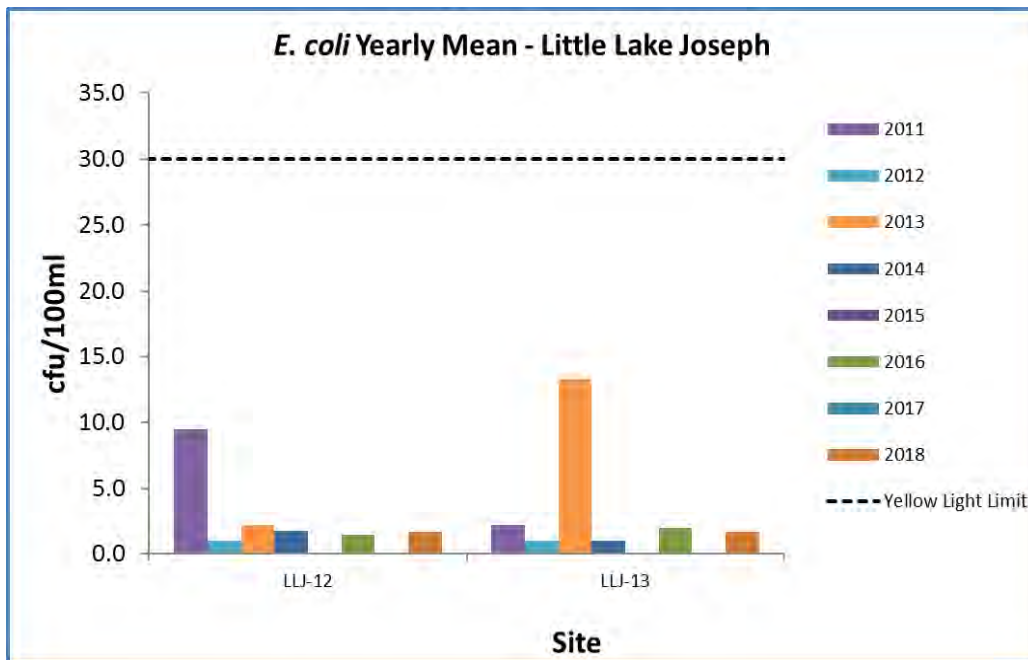
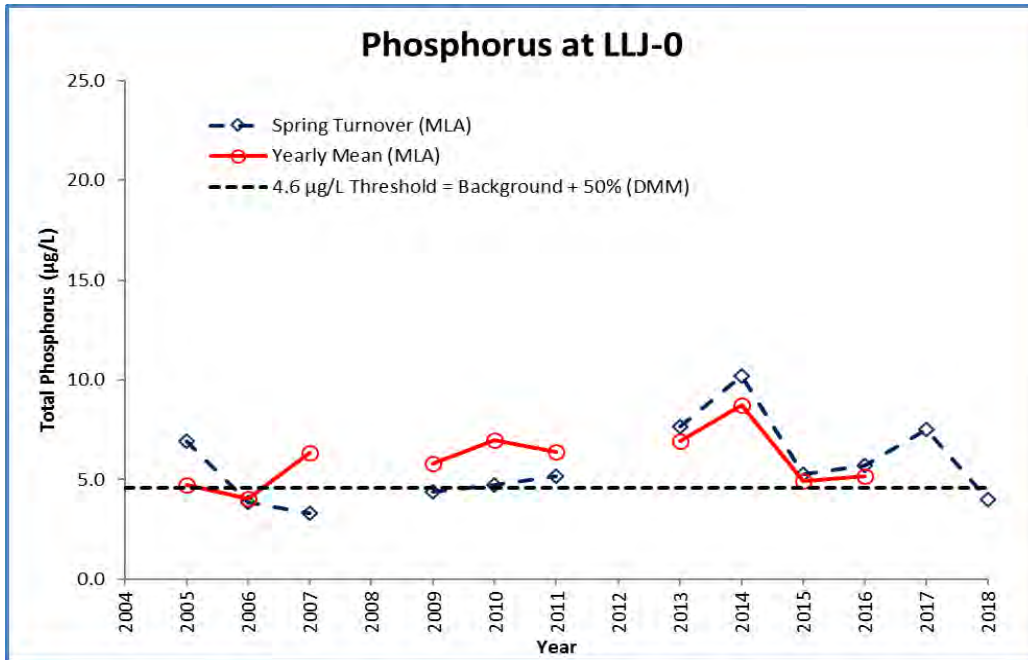
Little Lake Joseph is an isolated arm 2.8 km² in size off the eastern side of Lake Joseph. This is a deep bay with depths of up to 40 m. Most of the shoreline is in a natural state despite many cottages. Three small wetlands outlet into the bay and the DMM has classified Little Lake Joseph as moderately sensitive. Monitoring started in 2005. All stations shown may not be sampled each year.

Volunteer Recognition: **Dirk Soutendijk** and **Westley Begg**.

Little Lake Joseph (LLJ)

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		
LLJ-0	5.5	4.0			
LLJ-6		10.0	4.3		
LLJ-7		4.0	2.5		
LLJ-12				1.7	41.6
LLJ-13				1.7	36.2



Summary and Recommendations:



The spring phosphorus concentration at LLJ-0 was the third lowest recorded to date and was below the historic DMM threshold of 4.6 µg/L. Only one spring phosphorus sample was collected at LLJ-0 in 2018, therefore no yearly mean could be calculated, and no value is reported for 2018. The yearly phosphorus mean values at LLJ-6 and LLJ-7 were the lowest recorded to date. The *E. coli* yearly mean at LLJ-12 and LLJ-13 remained below the MLA stoplight limits. The mean Secchi depth in 2018 was the 2nd deepest to date and measurements have varied between 2.5 and 6.5 (recorded in 2007). LLJ was given a green stoplight in 2018, changed from a yellow stoplight in 2017. **Beacon recommends continued sampling to monitor long-term trends.**