



Area Description:

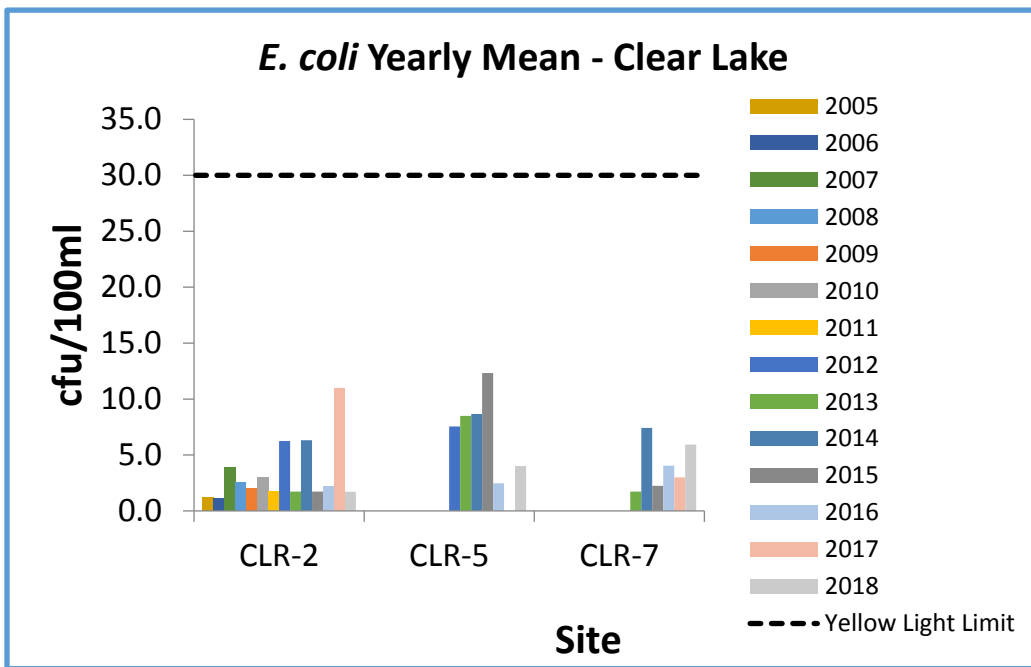
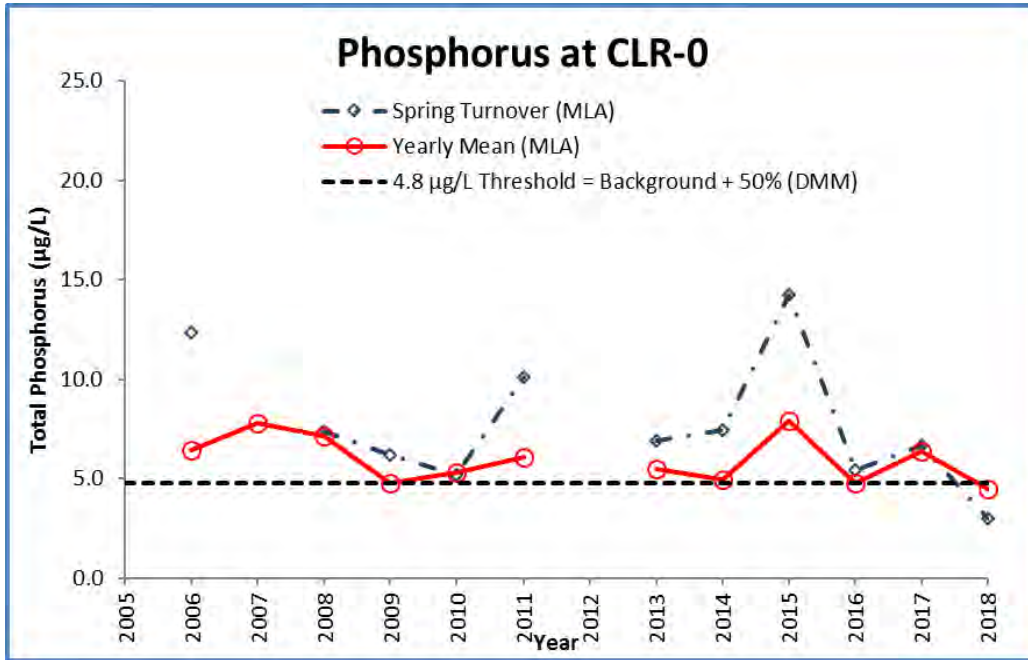
Clear Lake, also called Torrance Lake, is a moderately developed lake with much of the shoreline area converted into residential lots. It is also adjacent to highway 169. This lake is 152 ha in size, has a maximum depth of 16 m and has a very small watershed. There is limited inflow and outflow of water on this lake. Clear Lake has been classified as moderately sensitive and over threshold by the DMM. Monitoring started in 2006. All stations shown may not be sampled each year.

Volunteer Recognition: Bob and Sharon Cleverdon.

Clear Lake (CLR)

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

Station	Mean Secchi Disk (m)	Total Phosphorus (µg/L)		<i>E. coli</i> Yearly Geometric Mean (cfu/100 ml)	Total Coliform Yearly Geometric Mean (cfu/100 ml)
		Spring Turnover	Yearly Mean		
CLR-0	6.4	3.0	4.5		
CLR-2		7.0	3.8	1.7	21.4
CLR-5		2.0	2.3	4.0	37.3
CLR-7				5.9	23.8



Summary and Recommendations:

Yearly mean and spring phosphorus concentrations at the deep station (CLR-0) were below the historic DMM threshold of 4.8 µg/L for 2018, and the lowest recorded to date. The spring phosphorus concentration at CLR-5 and the phosphorus yearly mean at both CLR-2 and CLR-5 were the lowest recorded in the last 5 years at each station. The *E. coli* levels at the three nearshore sites sampled in 2018 were well below the MLA stoplight limits (details in report Section 3). Secchi measurements vary through sampling years, ranging between 3.63 and 9.30. **Beacon recommends that sampling continue to monitor long-term trends.**