Area Description:

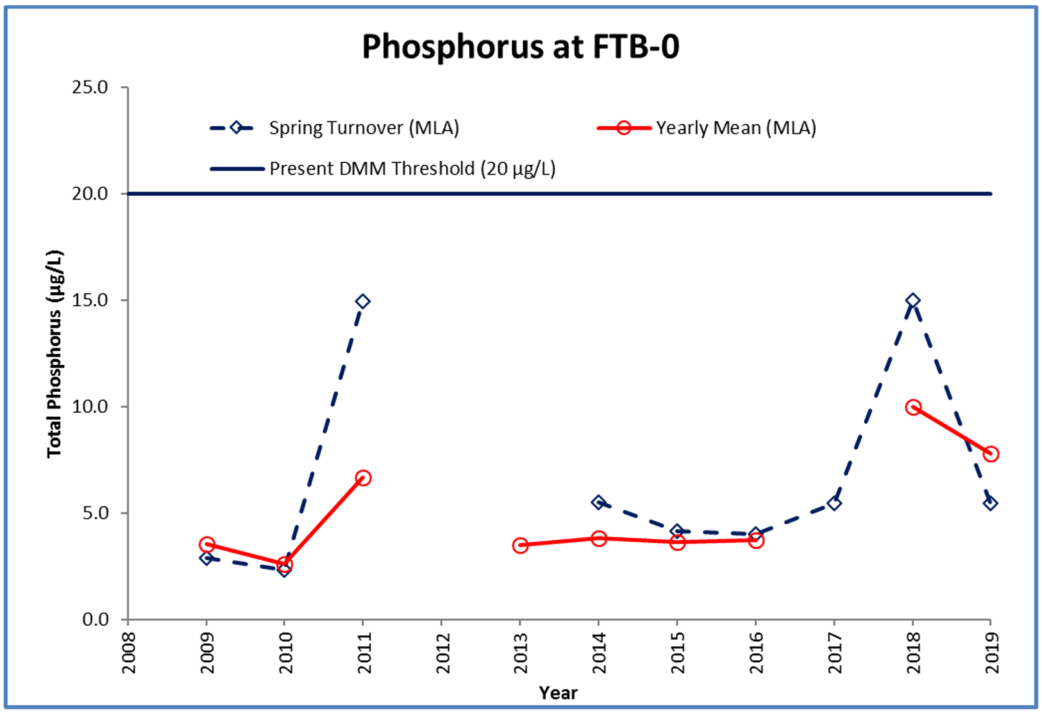
Foot's Bay is in the south-eastern portion of Lake Joseph. Foot's Bay has a higher intensity of development in the southern section, with areas that are adjacent to the highway and a marina. There are still large areas of shoreline with mostly intact forests. The main basin of Lake Joseph was historically classified as highly sensitive by the DMM. Monitoring started in 2009.

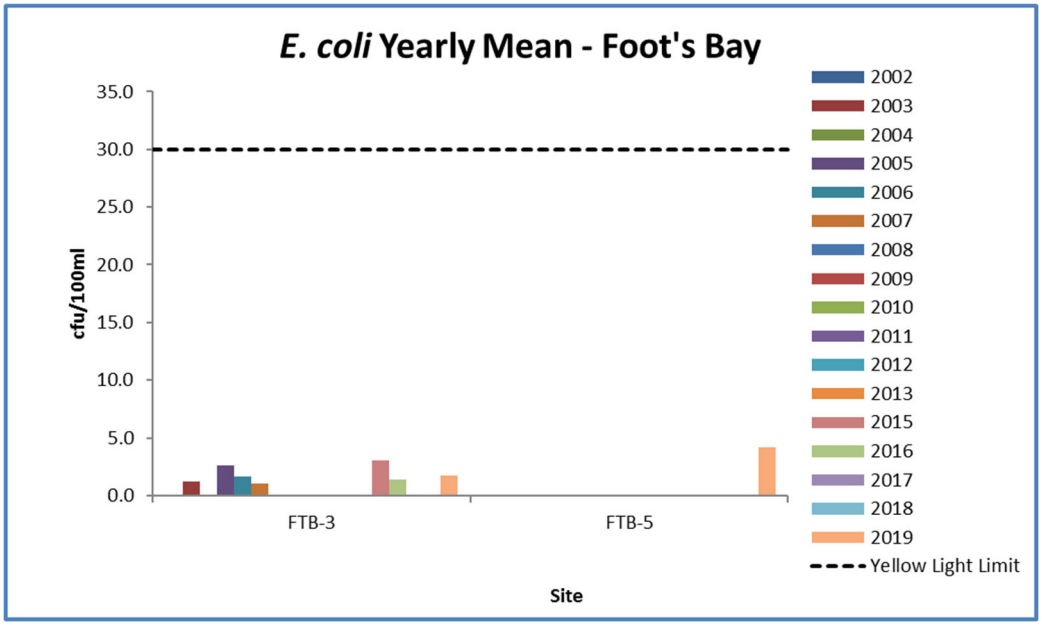
Volunteer Recognition: **Joey Brown, Dave Clark, Andy Benyei, Tom and Sharon Laviolette, Penny Middleton, Andy Benyei** and Joe Quinn.

Foot's Bay (FTB)

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

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		
FTB-0	5.8	5.5	7.8		
FTB-3		4.1	4.6	1.7	24.7
FTB-4		6.9			
FTB-5		3.9		4.2	76.5





Summary and Recommendations:

The 2019 spring phosphorus concentration at FTB-0 decreased considerably from 2018, and all readings at FTB-0 remain below the present DMM threshold (20 µg/L). The increasing trend of phosphorus levels at FTB-0 has subsided, changing the stoplight from yellow to green. Stations FTB-4 and FTB-5 are new in 2019 and should be continued to be monitored to look for trends. Secchi measurements vary through sampling years, ranging between 2.5 and 7.2 m (2016). **Beacon recommends sampling continue to monitor long-term trends.**