

### Area Description:

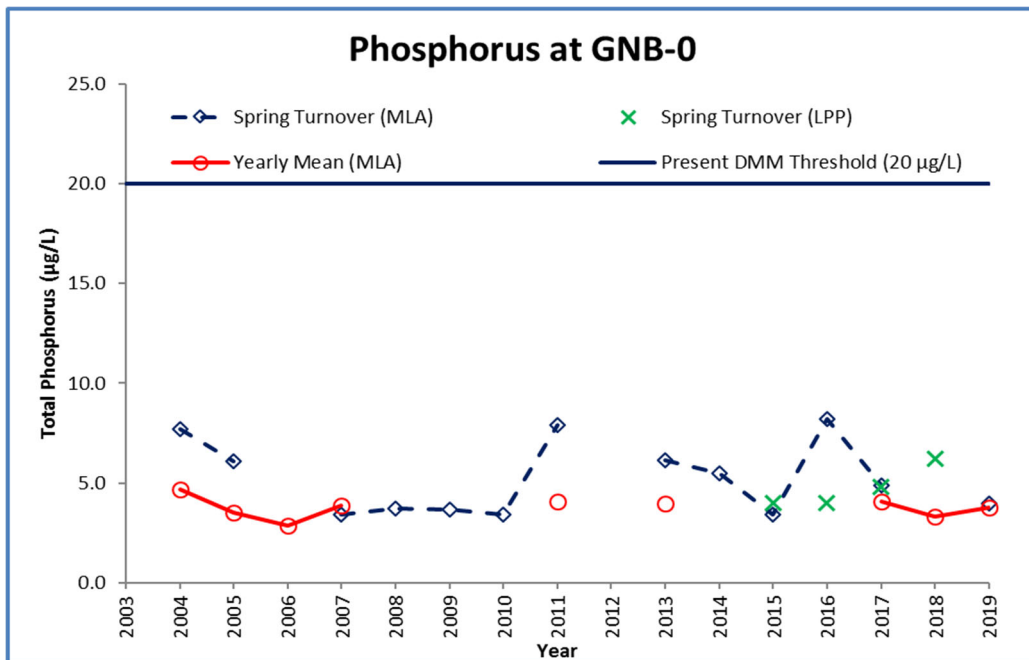
Gordon Bay is in the northwestern part of Lake Joseph. This bay is moderately developed and Highway 169 follows along the shoreline for a large portion of the bay. There is a large marina in the northern part of the bay where one of three creeks discharges into the bay. The main basin of Lake Joseph was historically classified as highly sensitive by the DMM. Monitoring started in 2004. All stations shown may not be sampled each year.

**Volunteer Recognition: Alex Magditsch, Cecil Hayhoe, John Offutt, Juliana Magditsch, Lynda McCarthy, Tom Lundy, Paul Tyers, Barb Butler and the Lake Partnership Program.**

## Gordon Bay (GNB)

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		
GNB-0	5.5	4.0	3.8		
GNB-4		3.4	4.7		



## Summary and Recommendations:



The Grubb's test identified the spring 2018 data for GNB-0 as an outlier and it has again been removed from the data set in 2019. Lake Partner Program spring phosphorus data was available in 2015-2018. Spring phosphorus results remain variable over the sampling years at GNB-0. The MLA spring phosphorus value is lower than 2016 and 2017, and the increasing trend of phosphorus levels at FTB-0 has subsided, changing the stoplight from yellow to green. *E. coli* sampling was discontinued at GNB-4 in 2019. Secchi measurements vary through sampling years, ranging between 3.0 and 7.5 (2013). **Beacon recommends sampling continue to monitor long-term trends.**