



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 is classified as highly sensitive by the DMM. Monitoring started in 2004. All stations shown may not be sampled each year.

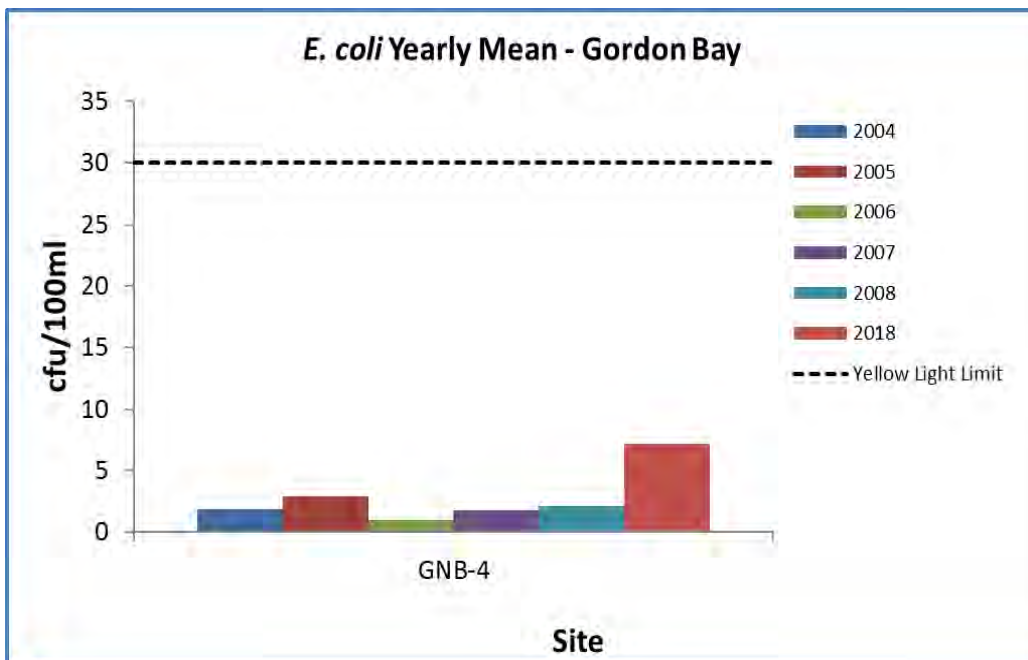
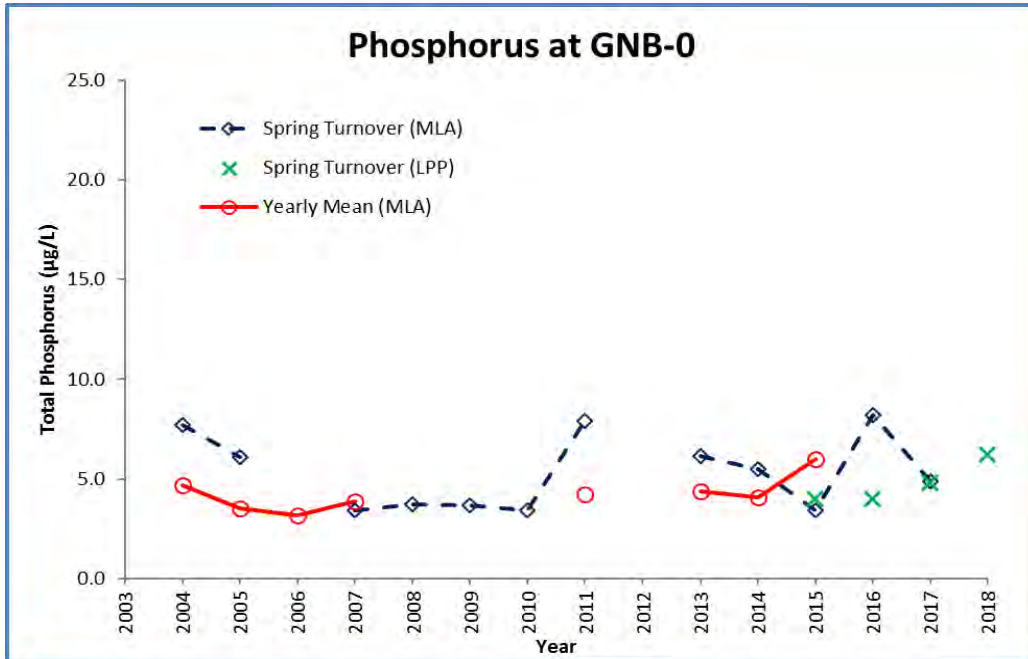
Volunteer Recognition: Alex Magditsch, Cecil Hayhoe, John Offutt, Juliana Magditsch, Lynda McCarthy and the Lake Partnership Program.

Gordon Bay (GNB)


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		
GNB-0	6.3	14.0*	6.0		
GNB-4		11.0		7.2	30.2

*outlier in 2018 data



Summary and Recommendations:


 The Grubb's test identified the spring 2018 data for GNB-0 as an outlier and it has therefore been removed from the data set. Lake Partner Program spring phosphorus data for GNB-0 was available in 2018 and is included in the graph. Although spring phosphorus results remain variable over the sampling years at GNB-0, there is an increasing trend, changing the stoplight colour from green to yellow in 2018. Only one spring phosphorus sample was collected at GNB-4 in 2018, therefore no yearly mean could be calculated, and no value is reported for 2018. *E. coli* sampling was restarted at GNB-4 in 2018 and the concentrations in 2018 continued to be well below the MLA stoplight limits (details in report Section 3). Secchi measurements vary through sampling years, ranging between 3.0 and 7.5. **Beacon recommends sampling continue to monitor long-term trends.**