



### Area Description:

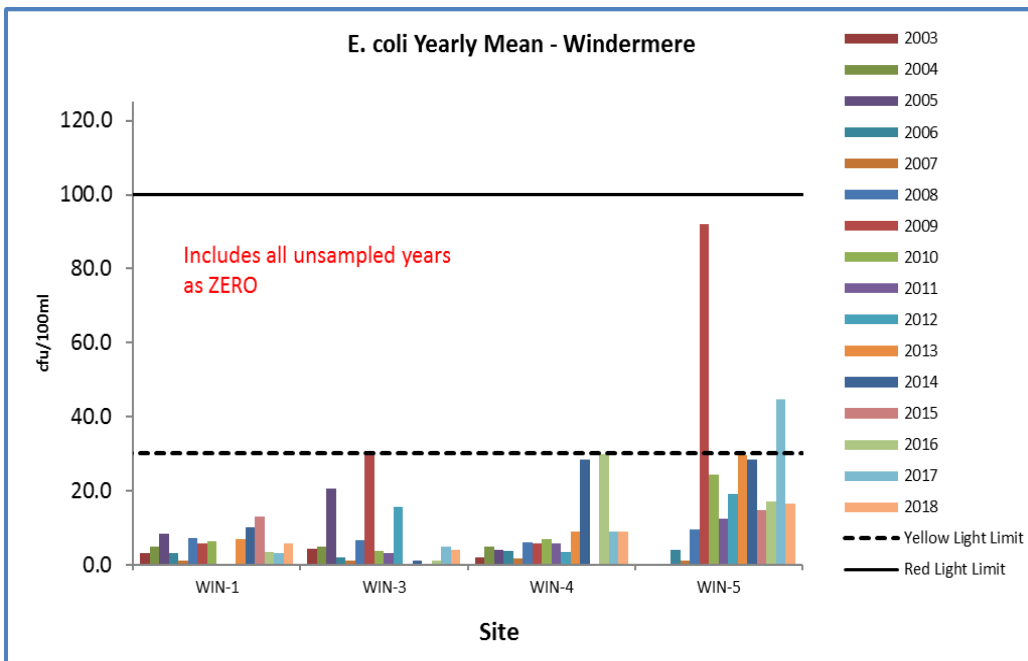
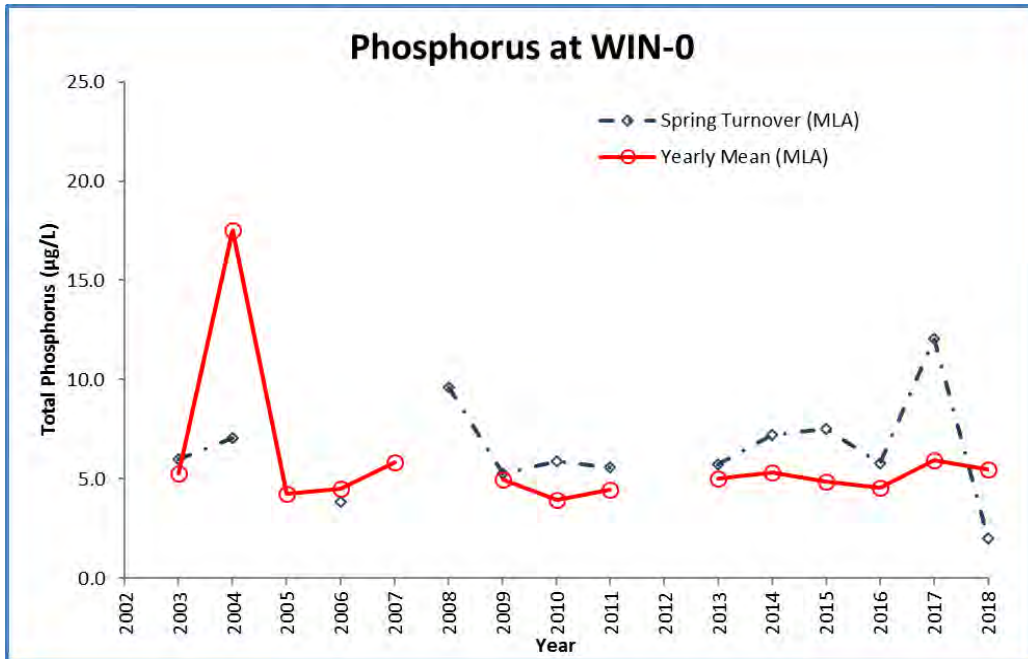
The Windermere village area in northern Lake Rosseau is a highly developed resort and residential area. There is a large resort complex, golf course, marina, and many residential properties. In addition, there is a significant amount of agricultural land nearby. Several creeks outlet into this area, one of which flows through farms fields and wetlands and enters the lake at the marina. Monitoring started with the original program in 2003. All stations shown may not be sampled each year.

**Volunteer Recognition: Katherine Seybold, Jayne Schipper, Jeremy Schipper, Stuart Schipper and Peter Seybold.**

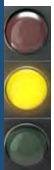
## Windermere (WIN)

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)	DOC Yearly Mean
		Spring Turnover	Yearly Mean			
WIN-0	4.2	2.0	5.5			
WIN-1		14.0	18.3	5.8	276.7	
WIN-3		3.0	10.5	4.0	81.2	
WIN-4		5.0	4.0	8.9	172.2	
WIN-5		9.0	12.0	16.6	173.3	
WIN-7		19.0	31.3			
WIN-8		14.0	20.5			



### Summary and Recommendations:



The 2018 spring phosphorus concentration at the deep station (WIN-0) was the lowest recorded to date. The 2018 spring phosphorus concentrations at WIN-3, WIN-7 and WIN-8 were the lowest recorded to date. In 2018, elevated phosphorus concentrations were recorded at WIN-7 in July (42.0 µg/L) and August (37.0 µg/L). Values recorded on the same dates at WIN-8, which is downstream of WIN-7 were much lower in July (22.0 µg/L) and August (26.0 µg/L). The phosphorus concentrations >20µg/L cause WIN to be classified as yellow in 2018. *E. coli* yearly mean counts were below the MLA Yellow Light Limit (details in report Section 3) at all stations in 2018. A re-test was required at WIN-5, however the sample was not collected. Secchi measurements vary through sampling years, ranging between 2.75 and 5.70. **Beacon recommends that all sampling be continued to monitor long-term trends.**