



Area Description:

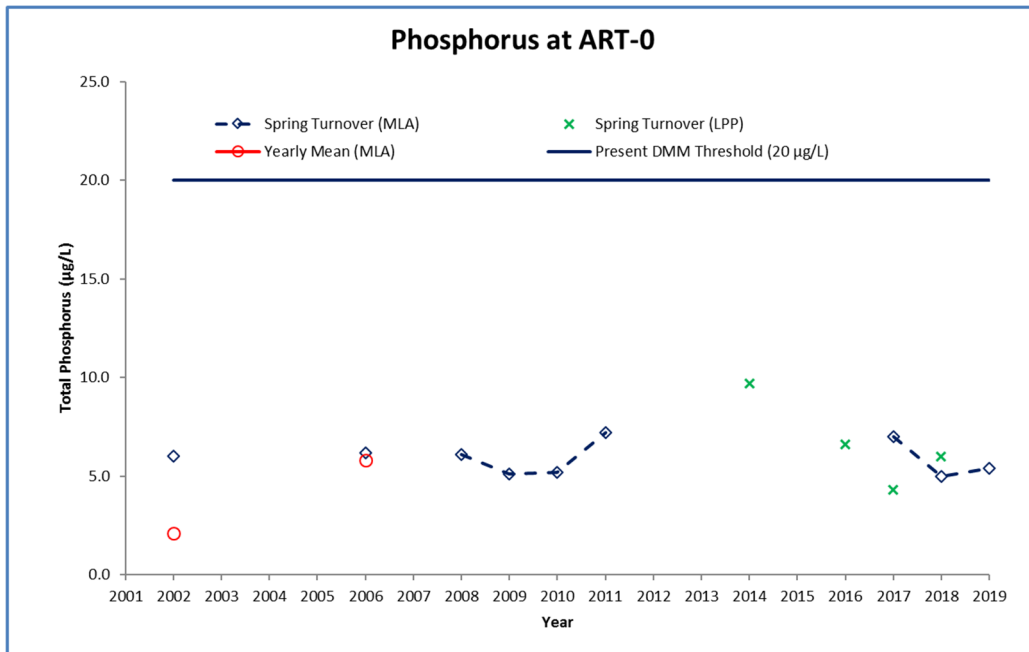
Arthurlie Bay is in the southern basin of Lake Rosseau. The bay is quite shallow in the southern end. Development intensity is considered moderate to high, with some shoreline properties having extensive cleared areas. This bay has several lacustrine wetlands, some of which appear to be partially filled. One creek drains into the bay, flowing through agricultural land prior to entering the lake. Monitoring started in 2002.

Volunteer Recognition: Katherine Seybold, and Peter Seybold


Arthurlie Bay (ART)

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

Station	Mean Secchi Disk (m)	Total Phosphorus ($\mu\text{g/L}$)		<i>E. coli</i> Yearly Geometric Mean (cfu/100 ml)	Total Coliform Yearly Geometric Mean (cfu/100 ml)
		Spring Turnover	Yearly Mean		
ART-0	3.8	5.4			



Summary and Recommendations:



Phosphorus results remain generally low throughout the sampling years, and all readings remain well below the present DMM threshold (20 µg/L). Lake Partner Program spring phosphorus data was available in 2013, and 2015-2018. Generally, Secchi measurements remain stable through sampling years, varying between 3.0 and 3.9 m (2011). **Beacon continues to recommend that the MLA rely on the Lake Partner Program data when it available, otherwise because of the increasing development pressure in the south end of the bay, the MLA should continue to monitor this location to analyse long-term trends.**