



### Area Description:

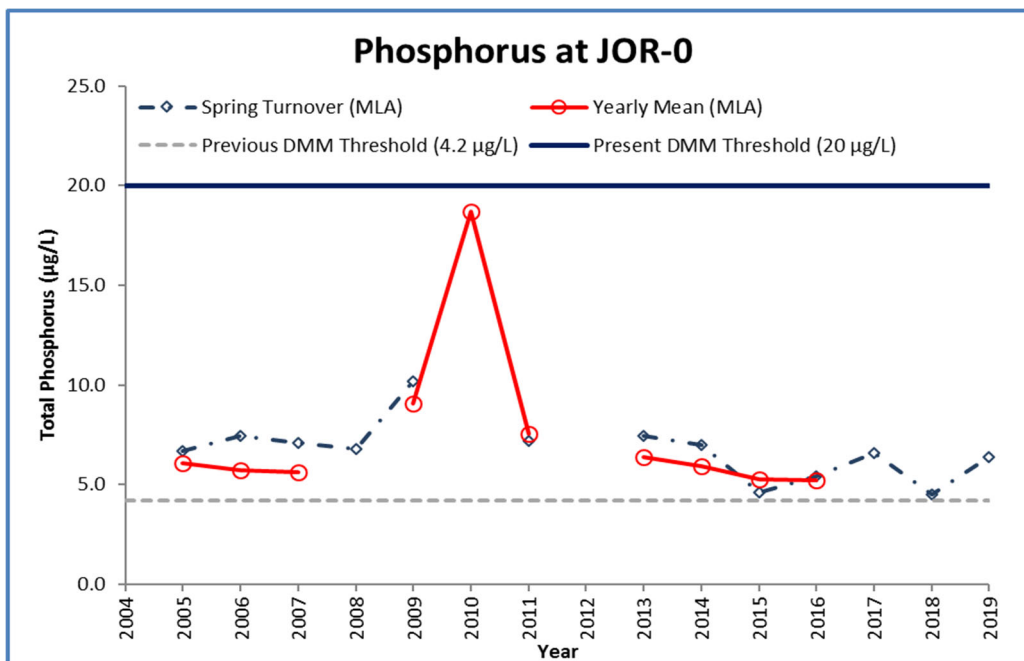
The Joseph River is the water body connecting Lake Joseph and Lake Rosseau. The river is 1.37 km<sup>2</sup> in size and up to 8 m deep. Direction of flow is from Lake Joseph into Lake Rosseau. A marina, a bridge crossing for Peninsula Road and two wetlands are located adjacent to the channel. This area receives significant boat traffic as the main navigable waterway between the two large lakes. The Joseph River was historically classified as moderately sensitive by the DMM. Monitoring started in 2005. All stations shown may not be sampled each year.

**Volunteer Recognition: Beth Guy, Laurie Leiser and James Woodruff.**

## Joseph River (JOR)

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		
JOR-0	3.2	6.4			
JOR-1		7.4	5.7		
JOR-2		4.2			



## Summary and Recommendations:



Phosphorus results at JOR-0 remain consistent over the sampling years, slightly above the historic DMM threshold of 4.2 µg/L, and all readings remain below the present DMM threshold (20 µg/L). Only one spring phosphorus sample was collected at JOR-0 in 2019, therefore no yearly mean could be calculated, and no value is reported for 2019. The spring phosphorus concentration and yearly mean at JOR-1 remains consistent. Only spring phosphorus was acquired at JOR-2 in 2019 and that level also is consistent with historic data. Secchi measurements remain stable through sampling years, varying between 2.4 and 5.38 (2016). **Beacon recommends sampling continue to monitor long-term trends.**