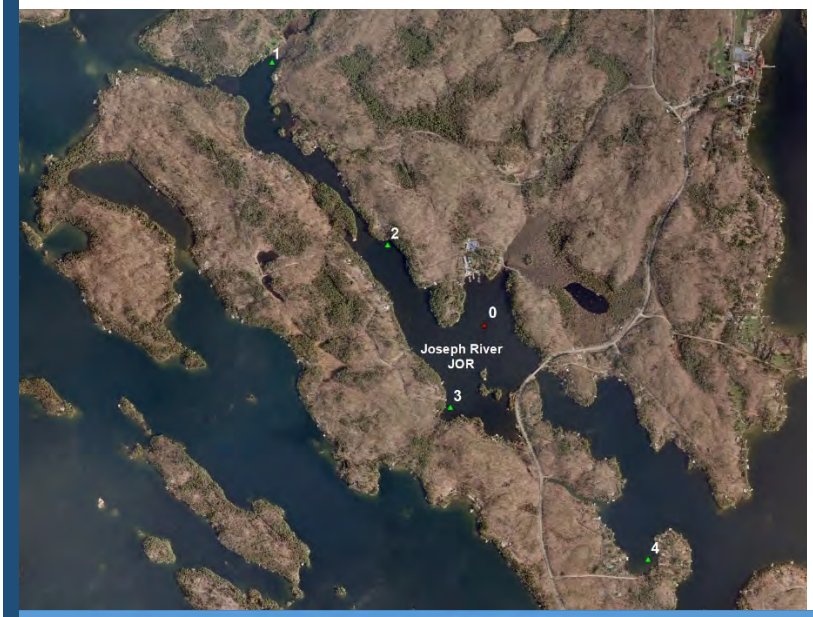


Area Description:

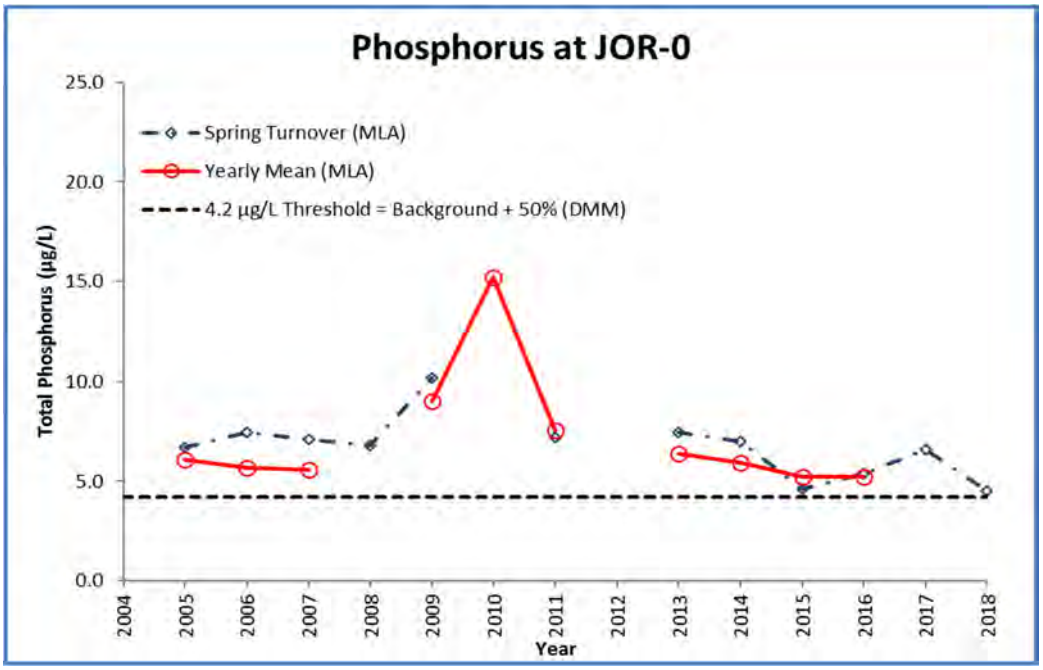
The Joseph River is the water body connecting Lake Joseph and Lake Rosseau. The river is 1.37 km² in size and up to 8 m deep. Direction of flow is from Lake Joseph into Lake Rosseau. A marina, a bridge crossing for Peninsula Road and two wetlands are located adjacent to the channel. This area receives significant boat traffic as the main navigable waterway between the two large lakes. The Joseph River is classified as moderately sensitive by the DMM. Monitoring started in 2005. All stations shown may not be sampled each year.

Volunteer Recognition: **Beth Guy**

Joseph River (JOR)

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		
JOR-0	3.6	4.5			
JOR-1		6.0	3.8		
JOR-2		4.0			



Summary and Recommendations:

Phosphorus results at JOR-0 remain consistent over the sampling years, and slightly above the historic DMM threshold of 4.2 µg/L. Only one spring phosphorus sample was collected at JOR-0 in 2018, therefore no yearly mean could be calculated, and no value is reported for 2018. The spring phosphorus concentration at JOR-1 was the second lowest to date and the yearly phosphorus mean concentration was the lowest to date. Only spring phosphorus was acquired at JOR-2 in 2018 and that result was the second lowest spring phosphorus concentration to date. Secchi measurements also remain stable through sampling years, varying between 2.5 and 5.38. **Beacon recommends sampling continue to monitor long-term trends.**