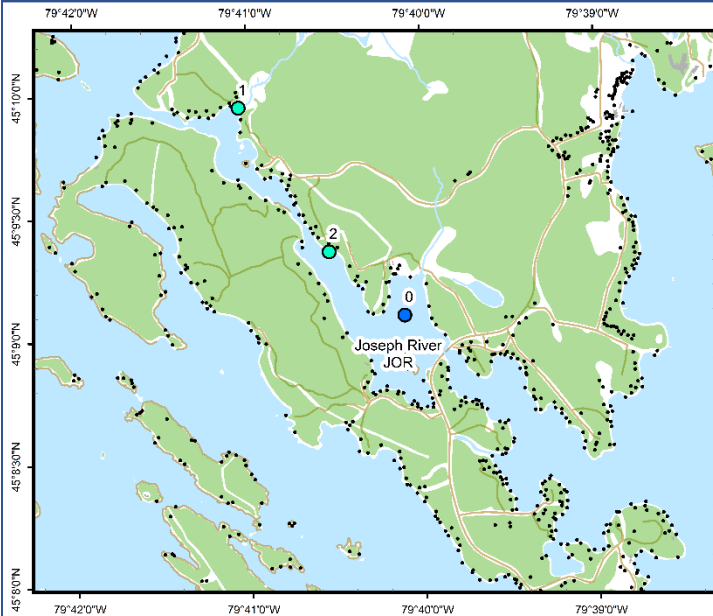


# Joseph River (JOR)



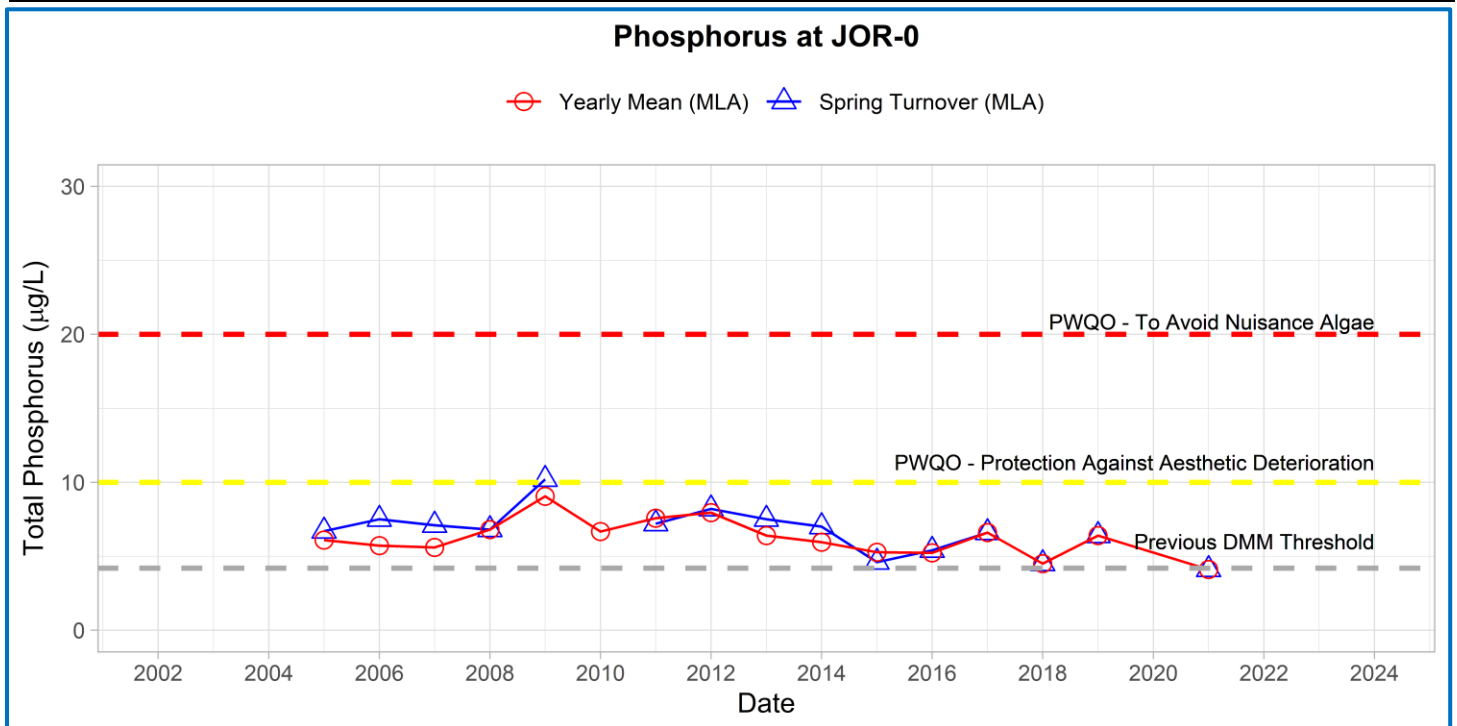
## Area Description:

The Joseph River is heavily developed watercourse which flows from Lake Joseph to Lake Rosseau. The river is 1.37 km<sup>2</sup> in surface area and has a maximum depth of 8 m. Development in the watershed includes a marina, and a bridge crossing for Peninsula Road. The river is the primary waterway between Lake Joseph and Lake Rosseau and therefore receives a high level of boat traffic. The Joseph River was historically classified as moderately sensitive by the DMM. MLA monitoring of the Joseph River began in 2005.

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

## 2021 Water Quality Results:

	Mean Secchi Disk (m)	Total Phosphorus (µg/L)		E. coli Yearly Geometric Mean (cfu/100mL)	Total Coliforms Yearly Geometric Mean (cfu/100 mL)
		Spring Turnover	Yearly Mean		
JOR-0	4.3	4.1			
JOR-1		6.6	6.4		
JOR-2		4.7			



Note: Grubbs test indicated annual average phosphorus data collected in 2010 are considered an outlier as a result of a single measurement which has been removed from the dataset as suspected contamination.



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Annual average and spring phosphorus concentrations at the deep-water station (JOR-0) were below the historic DMM threshold of 4.2 µg/L and Provincial Water Quality Monitoring Objectives for Protection Against Aesthetic Deterioration (10 µg/L) and Nuisance Algal Growth (20 µg/L). Nearshore monitoring of spring phosphorus concentrations at JOR-1 and 2 were within the range of variability of previous monitoring, as was the annual average phosphorus concentration at JOR-2. Average annual Secchi disk depth (4.3 m) was consistent with previous monitoring (2.4 and 5.38 m). **HESL recommends ongoing sampling to continue to monitor for long-term trends and emerging issues.**