

Summary of Stream total phosphorus data for a 12-month period on the Merrymeeting River

Date	Marsh Pond	Jones Pond	Downing Pond	Wentworth Pond
8/5/19	30.7(ppb)	36.7	6.9	10.4
9/2/19	31.5	28.4	6.7	9.2
10/7/19	19.0	16.2	8.4	8.4
11/6/19	23.3	16.9	8.0	8.4
12/9/19	14.6	11.9	7.3	7.8
1/6/20	8.3	8.5	7.5*	7.5*
2/3/20	11.0	9.1	7.6*	7.6*
3/9/20	13.3	9.7	7.1*	7.6*
4/6/20	13.0	13.1	11.9	9.9*
5/4/20	16.9	17.6	11.5*	9.9*
6/1/20	49.5	41.6	29.6	15.1*
7/6/20	39.7	37.4	31.4	19.2
average	22.56	20.59	11.99**	10.08**
Model	17.7	15.7	15.3	14.3
Difference	+4.86	+4.89	-3.31	-4.22
% change	27.5%	31.1%	21.6%	29.5%

Model=LLRM algorithms flow weighted based on observed and estimated data. Lake Loading Response Model for the Merrymeeting River, 2019, by:Forrest Bell Environmental Associates.

*=mean of two readings; one fresh and the same sample frozen-thawed. All testing by the Laboratory for Freshwater Biology, University of New Hampshire.

**=range based on fresh samples when available vs based on frozen samples when available:

11.99 range=11.3-12.68

10.08 range=8.58-10.20