

July 20, 2020

SITE LOCATION	SITE #	Time Sampled	Water Temp. °F	<i>E.coli</i> per 100ml *
Blueberry Lake	BBL	7:30	75	38.9
Warren Falls (Mad River)	1	8:00	67.5	34.5
Warren Store (Freeman Brook)	4	8:30	66.5	63.8
Warren Riverside Park (Mad River)	7	7:24	70	14.2
Lareau Swimhole (Mad River)	19	7:36	72	55.4
Couples Club Field (Mad River)	19.2	7:47	72	165.8
Waitsfield Covered Bridge (Mad River)	20	8:28	70	115.3
Meadow Road Bridge (Mad River)	23	8:48	70	107.6
Moretown Village Swim Access (Mad River)	27	8:07	74	248.1
Ward Swimhole (Mad River)	29	7:51	76	31.4

* > 235 *E.coli* /100ml = Not suitable for recreation, according VT Department of Health and EPA

Data, Weather, and Flow Analysis

Sampling results from this 4th round of Friends of the Mad River's 2020 Mad River Watch water quality monitoring show one site with unfavorable *E. coli* levels as of Monday morning. The Moretown Village Swim Access had an *E. coli* level of 248.1 colonies per 100 mL of water. A sample showing greater than 235 colonies/100 mL is considered not suitable for recreation, according to the VT Department of Health. The lower-than-expected result for the Ward Swimhole, downstream from Moretown Village, could be due to sampling or analysis error or due to less rainfall in its immediate drainage area. After a July 17th rain event, when the river crested at 130 cubic feet per second (cfs) around 1:15 PM, the river has been slowly declining to a low on Monday morning at the time of sampling of 49 cfs, measured at the US Geological Service gage station in Moretown. A brief rain storm on Sunday night did not have any significant effect on the gage data but did slightly elevate *E. coli* values at the time of sampling in the lower watershed as pollutants washed off the land into the water. The mean flow for this date over the last 90 years is 106 cfs at the Moretown gage; the water level is low for this time of year.

River Flow

LS - low and steady: It has not rained in several days and the water is low.

Thanks to this week's volunteers!

Samplers - Rick Hungerford, Michael Ware, Julie and Ingrid Westervelt, and Annie and Jula Fender

Lab Coordinator - Lisa Koitzsch

Posting Results - Sally Boudreau

Training and Support - Paula & Charlie Baldwin