

June 22, 2020

SITE LOCATION	SITE #	Time Sampled (24 hour time)	Water Temp. °F	<i>E.coli</i> per 100ml *
Blueberry Lake	BBL	7:30	75	1.0
Warren Falls (Mad River)	1	8:00	61	3.0
Warren Store (Freeman Brook)	4	8:35	60.5	69.1
Warren Riverside Park (Mad River)	7	7:07	64	2.0
Lareau Swimhole (Mad River)	19	7:18	67	19.8
Couples Club Field (Mad River)	19.2	7:30	67	38.1
Waitsfield Covered Bridge (Mad River)	20	8:14	64	151.5
Meadow Road Bridge (Mad River)	23	8:34	67	148.3
Moretown Village Swim Access (Mad River)	27	7:34	71	161.6
Ward Swimhole (Mad River)	29	6:54	73	71.2

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

Data, Weather, and Flow Analysis

Sampling results from the second round of Friends of the Mad River's 2020 Mad River Watch water quality monitoring show no sites with unfavorable *E. coli* levels as of Monday morning, but with higher results towards Moretown. Thunderstorms over the weekend were strong, but scattered, and the 1+ inch of rain that fell in Moretown on Sunday only caused minor "blips" to the water level and discharge (volume per second) measured at the nearby US Geological Service gage station in Moretown. During the recent drought, the river has been slowly declining since cresting at 192 cubic feet per second (cfs) just before midnight on June 11 to a low on Monday morning at the time of sampling of 49 cfs. Monday evening, after sampling, more wide-ranging storms caused the gage to rise to 145 cfs and flushed pollutants from the land into the water and downstream, uncaptured by this week's sampling. The mean flow for this date over the last 90 years is 100 cfs; the water level is very 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, Annie and Julia Fender

Lab Coordinator - Lisa Koitzsch

Posting Results - Sally Boudreau

Training and Support - Paula & Charlie Baldwin