

Mad River Watch (MRW) Results - June 29, 2015

SITE LOCATION	SITE #	Water Temp. °F	<i>E.coli</i> per 100ml *
Blueberry Lake	BBL	67.0	20.1
Warren Falls (Mad River)	1	54.0	12.1
Bobbin Mill (Lincoln Brook)	2	54.0	22.8
Warren Covered Bridge (Mad River)	3	54.0	20.3
Warren Store (Freeman Brook)	4	55.0	66.3
Brook Road above Village (Freeman Brook)	4.5	55.0	45.5
North End Warren Village (Mad River)	5	55.0	24.3
Bridge on West Hill Road (Bradley Brook)	6	55.0	12.2
Seasons (Mad River)	6.5	53.0	30.1
Warren Riverside Park (Mad River)	7	53.0	36.8
Bottom of Sugarbush Access Rd (Clay Brk)	8	52.0	81.6
Route 100 crossing (Folsom Brook)	10	53.0	83.3
"Dip" on East Warren Rd. (S. Folsom Brook)	10.6	53.0	111.9
Sugarbush Health Club (Rice Brook)	11	50.0	12.1
Inferno Road Crossing (Clay Brook)	12	49.0	4.1
Fayston Elementary School (Slide Brk)	13.1	50.0	4.1
German Flats, Rt 17 (Chase Brk)	16	50.0	22.8
German Flats, Rt 17 (Mill Brk)	17	50.0	24.9
Mill Brook east of MRG	17.1	50.0	20.1
Mill Brook	18.1	50.0	38.9
Lareau Swimhole (Mad River)	19	54.0	42.0
Couples Club Field (Mad River)	19.2	54.0	18.3
Waitsfield Covered Bridge (Mad River)	20	54.0	21.1
Joslin Hill Road Culvert (High Bridge Brook)	20.1	56.0	88.0
Tremblay Road (Mad River)	21.5	54.0	58.3
North Road Covered Bridge (Pine Brook)	22	55.0	86.0
Meadow Road Bridge (Mad River)	23	55.0	51.9
Route 100 Bridge (Shepard Brook)	24	54.0	71.7
Route 100 Bridge (Dowsville Brook)	25	55.0	23.0
North Road near Moretown (Mad River)	26	54.0	72.3
Moretown Village Swim Access (Mad River)	27	56.0	62.7
Route 100B crossing (Doctors Brook)	27.1	55.0	111.9
Ward Clapboard Mill (Mad River)	28	54.0	95.9
Near Stevens Brook Road (Welder Brook)	28.05	55.0	107.6
Ward Swimhole (Mad River)	29	55.0	46.0
Lover's Lane Bridge (Mad River)	31	56.0	26.6

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

Flow and Weather Analysis

The flow condition of the Mad River at the time of sampling Monday morning was high and declining (HD), measuring approximately 752 cubic feet per second (cfs) at the USGS flow gage in Moretown, down from about 2020 cfs on Sunday, June 28th, after a night and day of rain. The median flow for this date is 93 cfs. No sites tested above DOH/EPA safe *E. coli* level of 235 colonies per 100 mL of water.

River Flow

HD - high and declining: After reaching a peak flow, dry weather has returned and the flow is falling.

Thanks to this week's volunteers!

Samplers - Paula & Charlie Baldwin, Susy Deane, Chase Fortier, Fran & Gary Plewak, and Michael Ware

E. coli Lab Coordinator - Maryellen Kinhan

Posting Results - Sally Boudreau

Transporting Samples - Susanne & George Schaefer

Friends of the Mad River



-- FOR IMMEDIATE RELEASE --
6/30/2014

Contact: Corrie Miller, Director, (802) 496-9127

This June is Wettest on Record

Sampling results from the second round of *Friends of the Mad River's* 2015 Mad River Watch (MRW) volunteer water quality program show no sites with unfavorable swimming conditions Monday morning. It rained overnight Saturday and the earlier part of Sunday, washing sediments and pollutants from the land into the river and streams. By the time of sampling Monday morning, the system seems to have cleared.

The flow condition of the Mad River at the time of sampling Monday morning was high and declining (HD), measuring approximately 752 cubic feet per second (cfs) at the USGS flow gage in Moretown, down from about 2020 cfs at 1:15 pm on Sunday, June 28th. The median flow for this date is 93 cfs. None of the 36 sampling sites tested above DOH/EPA safe *E. coli* level of 235 colonies per 100 mL of water.

Montpelier had the wettest June on record (previous record-breaker was 2013) with roughly 9 inches of rain! In the Mad River watershed, the USGS gage in Moretown rose to over 5 feet high on five occasions in June, including on June 1st when the gage nearly reached National Weather Service Flood Stage of 9 feet.

Remember that rains can cause *E. coli* levels to fluctuate, even on a daily basis, as water carrying pathogens moves down the watershed. FMR's *E. coli* sampling results are intended to give you a sense of the conditions that lead to high pathogen levels in the water so you can be informed. **You** are your best protector - use common sense and don't swim for at least a full day after a rain.

E. coli is a type of coliform bacteria and is used as an indicator of pollution from human or animal waste and the potential presence of disease causing organisms. It is estimated that at the level of 235 colonies *E. coli* per 100 mL water, approximately 8 out of every 1,000 swimmers are likely to contract a water borne illness related to fecal contamination.

Many thanks to this week's Mad River Watch volunteers: Paula & Charlie Baldwin, Susy Deane, Chase Fortier, Fran & Gary Plewak, and Michael Ware. Thanks to Susanne and George Schaefer who drove water samples to the DEC's lab in Burlington for phosphorus and turbidity analysis, to Sally Boudreau for posting data at ten swimholes across the watershed, and to Maryellen Kinhan for completing the Wait House *E. coli* lab analysis. The Mad River Watch Program would not be possible without these dedicated volunteers!

For more information about *E. coli* and the Mad River Watch program and to view our most recent complete data report please visit the *Friends of the Mad River* website at www.FriendsoftheMadRiver.org. Results are also available on Facebook ("Friends of the Mad

River”) and on sign posts at swimholes across the Valley. *Friends* is a community-supported organization, and depends on the generous contributions of its members to continue the Mad River Watch and other important programs; learn how to become a member and donate securely online at our website.

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