

Mad River Watch (MRW) Results - June 15, 2015

SITE LOCATION	SITE #	Water Temp. °F	<i>E.coli</i> per 100ml *
Blueberry Lake	BBL	72.0	69.7
Warren Falls (Mad River)	1	57.0	44.1
Bobbin Mill (Lincoln Brook)	2	57.0	22.8
Warren Covered Bridge (Mad River)	3	57.0	54.5
Warren Store (Freeman Brook)	4	58.0	461.1
Brook Road above Village (Freeman Brook)	4.5	58.0	1046.2
North End Warren Village (Mad River)	5	58.0	166.4
Bridge on West Hill Road (Bradley Brook)	6	56.0	31.3
Seasons (Mad River)	6.5	56.0	34.1
Warren Riverside Park (Mad River)	7	56.0	53.7
Bottom of Sugarbush Access Rd (Clay Brk)	8	55.0	52.1
Route 100 crossing (Folsom Brook)	10	57.0	1986.3
"Dip" on East Warren Rd. (S. Folsom Brook)	10.6	56.0	920.8
Sugarbush Health Club (Rice Brook)	11	52.0	20.9
Inferno Road Crossing (Clay Brook)	12	51.0	143.9
Fayston Elementary School (Slide Brk)	13.1	53.0	20.3
German Flats, Rt 17 (Chase Brk)	16	53.0	61.3
German Flats, Rt 17 (Mill Brk)	17	54.0	43.5
Mill Brook east of MRG	17.1	54.0	47.5
Mill Brook	18.1	58.0	95.9
Lareau Swimhole (Mad River)	19	56.0	79.4
Couples Club Field (Mad River)	19.2	56.0	198.9
Waitsfield Covered Bridge (Mad River)	20	56.0	166.4
Joslin Hill Road Culvert (High Bridge Brook)	20.1	59.0	1553.1
Tremblay Road (Mad River)	21.5	55.0	209.8
North Road Covered Bridge (Pine Brook)	22	56.0	547.5
Meadow Road Bridge (Mad River)	23	57.0	198.9
Route 100 Bridge (Shepard Brook)	24	55.0	146.7
Route 100 Bridge (Dowsville Brook)	25	55.0	204.6
North Road near Moretown (Mad River)	26	60.0	344.8
Moretown Village Swim Access (Mad River)	27	59.0	224.7
Route 100B crossing (Doctors Brook)	27.1	58.0	920.8
Ward Clapboard Mill (Mad River)	28	58.0	727.0
Near Stevens Brook Road (Welder Brook)	28.05	58.0	1299.7
Ward Swimhole (Mad River)	29	60.0	184.2
Lover's Lane Bridge (Mad River)	31	61.0	124.6

* > 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 low and rising (LR), measuring approximately 431 cubic feet per second (cfs) at the USGS flow gage in Moretown. The flow was down from about 1080 cfs in the early hours of Saturday, June 13th, after heavy rain. Monday morning sampling caught the river rising again after rain overnight Sunday. The median flow for this date is 129 cfs. Ten sites tested above DOH/EPA "suitable for recreation" *E. coli* threshold of 235 colonies per 100 mL of water.

River Flow

LR - low and rising: A recent rainfall has caused the low flowing river to rise.

Thanks to this week's volunteers!

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

E. coli Lab Coordinator - Maryellen Kinhan & Cyndee Button

Posting Results - Sally Boudreau

Transporting Samples - Susanne & George Schaefer

Friends of the Mad River



-- FOR IMMEDIATE RELEASE --
6/16/2014

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

Mad River Watch's 31st Summer of Sampling Begins with a Bang.

Sampling results from the first round of *Friends of the Mad River's* 2015 Mad River Watch (MRW) volunteer water quality program show ten sites with unfavorable swimming conditions Monday morning. It rained overnight Sunday and carried sediments and pollutants from the land into the river and streams.

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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 several days 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.

To reduce contaminants entering our waterways, do what you can to keep water local! The more your property can soak up stormwater like sponge, instead of allowing it to run off to a neighbor's property or the closest stream, the cleaner our waterways will be!

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 and to Sally Boudreau for posting data at ten swimholes across the watershed. The Mad River Watch Program would not be possible without these dedicated volunteers! This week was a special one in the FMR lab as outgoing and longtime volunteer Lab Coordinator, Cyndee Button, trained Maryellen Kinhan, a Warren resident, to fill her shoes. Welcome Maryellen! It was also a special week for seasoned (and dedicated) MRW sampler, Chase Fortier, who helped collect water samples a mere two days after her graduation from Harwood – congratulations, Chase!

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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