

Mill Creek Enterococci mpn/100ml

Reading down a column gives you an indication of the levels from the Headwaters to the mouth (in the downriver creek flow direction) during a particular sampling period (day or two)
 Reading across a row gives you an indication of the change over the course of weeks at one particular sampling location

		Rainfall (in)												
Meas. Date		0	0	.2+.73	0	.29+.7	0	0	1.22 on 5/11	.03+.01	0.12	0	.24+.22+.01	
Site		3/21 & 3/23	3/30	*4/7 & 4/8	4/11 & 4/12	*4/21 & 4/22	4/28	5/5 & 5/6	*5/12	5/18 & 5/20	*5/26	5/30	*6/1 - 6/3	
Mill Creek Headwaters ↑ ↓ Mouth Magothy River	M8	21	4	23	23	23	93	43	4600	93	430		24000	
	M7	3	23	93	23	43	230	93	24000	430	2400		24000	
	PUMPING STATION													
	M6	23	23	230	93	240	1500	930	24000	230	930		24000	
	M5	43	1100	2400	43	1100	93	750	750	2400	150		11000	
	M4	4	39	230	43	240	750	930	11000	2400	11000		24000	
	M1	23	43	430		1100		930		43			4600	
	M2	11	23	93		2400		230		430			11000	
	HL	13			10								273	450
	DR													33
	M3	2	3	430		460		230		43				2400
	MH	20			10								53	23
	FP	10											13	10

Notes:

indicates ACo Health Monitoring Site. Measurements are average mpn/100ml That data may also be found here: <http://www.ahealth.org/news.asp?id=94>

indicates Bayland / MRA / Volunteer Monitoring site. Single sample measurements

indicates Rain Event

A map of the sites may be found here: http://www.corvetteforum.net/c3/juliet/MillCreek/all_sampling_points-11x17.pdf

Sites are oriented in rough sequence in the downstream direction, from the headwaters to the Mill Creek Mouth (at Magothy River).

All measurements were not done at exactly the same time or day. I've grouped the closest measurement days together

M7 & M8 are upstream of the pumping station and have no sewage from the 12/7/05 failure. They are subject to bacteria from runoff and septic systems in the watershed

M5 is up a different creek branch than are M6, M7 and M8 See the map

M2 and HL are across the river from one another. M2 is off a private dock with 4-5 ft depth. HL is at a bulkhead with 1-2 ft depth.

Rainfall is as reported from BWI Airport

Rainfalls under 0.1 in per day for at least 48 hours before measurement date are not colored as "rain events"

Levels reported as <X (ie less than X) are entered as X since Excel doesn't like to plot <. Levels reported as >Y are entered as Y

Bayland data takes 2 weeks for lab processing. ACo data takes a few days for lab processing.

I manually typed in this data, so there could be some typos. If you see one, please let me know Juliet@JulietPage.com