

## 2016 Bacteria Data - Rivers and Streams Enterococci Data

Two groups of bacteria are monitored to indicate the presence of human sewage and associated pathogens, or disease causing organisms - fecal coliforms and enterococci. The Rhode Island Department of Health (RIHealth) uses a single-value enterococci standard for licensed swimming beaches. The Rhode Island Department of Environmental Management (RIDEM) uses a geometric mean approach for contact recreation standards on all other waters (fresh and salt). In addition, as required by the National Shellfish Sanitation Program for shellfish waters and their tributaries and as an indicator of overall water quality, RIDEM assesses fecal coliform levels. (Fecal coliform data is available for marine waters and shellfish area tributaries in the "Tidal Rivers Bacteria" file).

While URIWW's Analytical Laboratories are State certified, URIWW data are intended for screening purposes only. Samples from various sites may have been collected over a period of days for each collection period, so may reflect dry versus wet weather or rain event values. Please contact URIWW for specific sample dates. Our data are very valuable for targeting areas of concerns and for tracking potential sources of bacterial contamination. Results above the state standard could be unsafe, and you should refrain from swimming until results return to acceptable levels, or at least for several days after heavy rain.

RI Department of Health standards for recreational contact (i.e. swimming):

Single sample not to exceed 60 enterococci per 100 mL.

RI Department of Environmental Management Enterococci Standards:

Non-designated Bathing Beach (Fresh) Waters Geometric Mean Density - Not to exceed 54 enterococci per 100 mL.

Designated Bathing Beach (Fresh) Waters Geometric Mean Density - Not to exceed 33 enterococci per 100 mL.

Watershed code	MONITORING LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	GEOMEAN
		----	<b>Most Probable Number of Enterococci per 100 mL</b>					----
A	Annaquatucket - Belleville @ RR Xing	148.3	189	99	71	42	<10	96
WD	Ashaway River @ Rte 216	71.2	8	198	85	16	6.3	32
WD	Beaver River @ Rte 138	10	19	472	172	52	201	74
NA	Buckeye Brook @ Novelty Rd	63	393	9222	1542	2589	264	789
NA	Buckeye Brook @ Lockwood Brk	-	176	552	763	-	-	420
NA	Buckeye Brook @ Warner Rd	1081	48	11588	98	31	-	283
NA	Buckeye Brook @ Mill Cove	1291	74	15402	728	359	-	825
WD	Falls River D - Step Stone	30	24	93.4	43	183.5	45	54
WD	Falls River C - Austin Farm	19	83	435.2	90	29.1	83	73
WD	Falls River A - Twin Bridges	13	138	613.1	107	48	37	77
GB	GB #4 - Mill Creek	131	148	107.6	253	41	-	117
GB	GB #5 - Hardig Upstream	398	386	4813.2	199	223	616	522
GB	GB #6 - Tuscatucket Br	651	<10	5172	41	21.4	1187	123
GB	GB #7 - Southern Creek	471	228	379	1187	158	1391	469
WD	Green Falls River @ Rte 184 (Exit 93)	25	69	48	49	25.2	1483	73
A	Himes River	85	-	1252	97.4	42.6	63.1	123
H	HW #1A - Scrabbletown Brk @ Falls	12	358	1379.2	210.5	15.5	15.3	82
H	HW #1B - Scrabbletown @ Rte 4 Bridge	24	146	1045.2	231	61.8	16.4	98
H	HW #4 - Davis Memorial	9	-	12.2	-	-	-	10
H	HW #5 - Sandhill Brook (Saw Mill Inlet)	3683	518	>24196	794	295	738	>1413
H	HW #6 - Hunt River @ Forge Rd.	34	120	2045	-	20.8	109	113
TH	Moosup Upstream	6	30	6212.4	180	10.4	12976	174
TH	Moosup A - Fairbanks Bridge	17	48	150	33	69.5	109	56

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		- - - - Most Probable Number of Enterococci per 100 mL - - - -						
<i>Click <a href="#">HERE</a> for Narrow River enterococci and <a href="#">HERE</a> for Narrow River fecal coliform data.</i>								
WD	Pasquissett Brook @ Rte 2	10.9	-	789	63	2661	36	139
WD	Pawcatuck River @ Rte 91	11	40	161	40	16.9	16	30
WD	Pawcatuck River @ Bradford	13	29	8	6	11.9	62	15
WD	Pawcatuck R - Upstream of Boombridge	56	16	39	8	<2	110	31
PA	Pawtuxet River - near Rhodes	30	66	784	25	12.6	15	44
WD	Pendelton Hill Brook @ Grindstone Rd	35	39	143	89	-	42.2	59
WD	Queen River @ Mail Road	20	99	60	77	20.4	110	52
WD	Queen R Tributary @ Sherman Brk	17.1	10	1291	279	52.9	119	86
WD	Shickasheen Brook @ Rte 2	240	63	Dry	Dry	Dry	Dry	123
WD	Shickasheen @ Miskiania Road	<2	287	170	>9678	499	40	>136
WD	Shickasheen @ Barber Pond Outlet	<2	2	10	2	<1	1	1
WD	Shickasheen Brook @ Rte 138	72	500	373	9208	-	191	473
WD	Shickasheen Brook @ Liberty Lane	10	216	98	561	14.8	10	51
WD	Shunock River @ Hewitt	20	124	12	15	58.4	753	52
WD	White Horn Brook @ Ministerial Rd.	57	138	1954	58	40	272	146
WD	Wood River @ Rte 165 Check Station	-	-	-	365.4	48	46	93
WD	Wood River @ Switch Rd	28	68	234	2	33	8	25
WO	Woonasquatucket R. @ Greystone Pnd	62	85	41	8	14	4884	70
WO	Woonasquatucket River @ Donigian	58	68	231	54	227	1396	158
WO	Woonasquatucket River @ Waterplace	98	98	172	97	2098	1008	264

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<b>WPWA RIVER &amp; TRIBUTARY SITES</b>								
WD	WPWA - Chipuxet River @ Rte 138	25.6	106	17.3	43	17.7	75	37
WD	WPWA - P'tuck @ Biscuit City Rd	14.5	46	323	53	38.6	97	59
WD	WPWA - P'tuck below Kenyon Ind.	34	56	37.3	118	26.4	208	60
WD	WPWA - P'tuck @ Burdickville Rd	12.8	-	65	29	25	414	48
WD	WPWA - P'tuck @ Potter Hill	17.5	2	8	129	20.6	7.5	13
WD	WPWA - Pendelton Hill Brk Rtes 49/216	19.9	80	576	146	173	65	107
WD	WPWA - Shunock River @ Rte 49	125.9	82	119	29	-	10	52
WD	WPWA - Shunock River @ Rte 184	66.3	13	100	16	75	21.6	36
WD	WPWA - Usquepaugh @ Rte 2	48	43	80	22	44	98	50
WD	WPWA - White Brook inlet @ Pine Hill Rd	28.8	6	82	58	7.3	288	35

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