

## 2017 Bacteria Data - Shellfish Tributary and Narrow River Sites: Fecal coliform

A number of groups of bacteria species are used to indicate the presence of human sewage and associated pathogens, or disease causing organisms in water. Fecal coliform are one group, and its monitoring is required under the National Shellfish Sanitation Program for shellfish waters and as an indicator of overall water quality. Thus RIDEM assesses fecal coliform levels in marine waters or waters that discharge directly to marine waters.

While URIWW's Analytical Laboratories are State certified, Watershed Watch data is intended for screening purposes only. Our data are very valuable for targeting areas of concerns and for tracking potential sources of bacterial contamination. Samples 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 Watershed Watch for specific sample dates.

Any result above the state standard is considered unsafe, and swimmers should refrain from swimming until results return to acceptable levels, or at least for several days after heavy rain.

RI Department of Environmental Management fecal coliform standards:

Shellfish Waters - Geometric mean not to exceed 14 fecal coliform per 100 mL.

USEPA regulations require tributaries to meet receiving waters standards at the point where they enter.

### Shellfish Waters Tributaries Fecal Coliform Data (see "Rivers" data for enterococci data)

Watershed	MONITORING LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	GEOMEAN
Code		----	Most Probable Number of Fecal coliform per 100 mL					----
NA	Buckeye Trib - Spring Green Outflow	198.9	643	355	108	-	-	265
NA	Buckeye Trib Betwn Commerce & Lov	53.8	287	1274	594	-	-	329
NA	Buckeye Trib - Upstream of airport channel	-	-	512	44	-	-	149
NA	Buckeye Trib - Airport channel	-	-	183	<4	-	-	9
NA	Buckeye Trib @ Lakeshore Dr (culvert)	-	-	345	10	-	-	59
NA	Buckeye Brook @ Rodney Rd	147.6	228	1250	992	-	-	452
NA	Buckeye Brook @ Lockwood Brk	-	8164	1210	2495	-	-	2910
NA	Buckeye Brook @ Warner Rd	1597	10462	552	288	-	-	1277
NA	Buckeye Brook @ Mill Cove	435	631	471	882	-	-	581
GB	GB #4 - Mill Creek	134	759	471	93	-	-	258
GB	GB #5 - Hardig Upstream	428.4	272	857	108	-	-	322
GB	GB #6 - Tuscatucket Br	140.6	450	269	73	-	-	188
GB	GB #7 - Southern Creek	102.4	2909	20	510	-	-	235
H	HW #5 - Sandhill Brook	57.6	lab error	565	136	-	-	164
H	HW #6 - Hunt River @ Forge Rd.	-	7270	495	34	-	-	496
WD	Pawcatuck River - North of WWTP	97	124	148	691	-	-	187
WD	Pawcatuck River - South of WWTP	73	344	218	886	-	-	264
WD	Pawcatuck River - Mastuxet Brook	160	271	121	64	-	-	135
WD	Pawcatuck River - Mouth	75	111	31	<10	-	-	23
NA	Wickford Cove - West of Loop Dr	64	560	53	42	-	-	95
NA	Wickford Cove - East of Loop Dr	75	271	64	20	-	-	71
NA	Wickford Harbor - Brown St Dock	<10	20	531	<10	-	-	10
NA	Wickford Harbor - Main St Dock	42	192	<10	<10	-	-	<10
NA	Woonas. R @ Waterplace Park	211	5012	1198	231	-	-	736

[Click here for Clean Up Sound & Harbors, Napatree Point, and Little Narragansett Bay Sites Data](#)

[Click here for Salt Ponds, Here for Bristol Harbor and Tiverton and Here for Block Island Bacteria Data](#)

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**Narrow River Watch Sites (click here for NR enterococci data)**

Watershed	MONITORING LOCATION	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	GEOMEAN
Code		----	Most Probable Number of Fecal coliform per 100 mL					----
PE	NR 01- Gilbert Stuart	35	NA	-	46.7	-	-	-
PE	NR 02 - Upper Pond	<10	51	<10	53	-	-	<10
PE	NR 03 - Lower Pond A	<10	31	10	20	-	-	<10
PE	NR 04 - Lower Pond B	<10	10	10	<10	-	-	10
PE	NR 13 - Near Lakeside Rd.	31	31	31	53	-	-	35.447878
PE	NR 14 - Lakeside Outfall	4	1483	Dry	Dry	-	-	77
PE	NR 05 - Lacey Bridge	10	64	124	10	-	-	30
PE	NR 06 - Mettatuxet Beach	31	99	10	10	-	-	24
PE	NR 11 - Mettatuxet Brook	2489	<10	1333	175	-	-	149
PE	NR 07 - End of Narrows	31	87	10	20	-	-	27
PE	NR 08 - Middlebridge	<10	254	-	-	-	-	16
PE	NR 12 - Mumford Brook	1034	1483	115	15531	-	-	1287
PE	NR 09 - Pettaquamscutt	53	<10	63	<10	-	-	15
PE	NR 10 - Sprague Bridge	-	87	10	10	-	-	21

RI Department of Environmental Management Shellfish Standards: Not to exceed 14 fecal coliform per 100 mL.

See our factsheet on bacteria to learn more about monitoring bacteria and how we can all help to reduce bacterial input into our local water resources is available at <http://cels.uri.edu/docslink/ww/water-quality-factsheets/Bacteria.pdf>. See the RI Department of Health (<http://www.health.ri.gov/beaches/>) for additional information about beach monitoring and state standards. RIDEM has information on state efforts to restore waters impaired by bacteria and other pollutants at <http://www.dem.ri.gov/programs/water/quality/>.

Narrow River Turnaround Swim (Photo from narrowriver.org)

