# 2016 Bacteria Data - Shellfish Tributary and Narrow River Sites: Fecal coliform

A number of groups of bacteria species are used to indicate the presense 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 Code | MONITORING LOCATION | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | GEOMEAN |
|---|---|---|---|---|---|---|---|---|
| | | - - - - | Most Probable Number of Fecal coliform per 100 mL | | | | | - - - - |
| NA | Buckeye Brook @ Novelty Rd | <10 | 213 | 9222 | 270 | 9804 | 436 | 362 |
| NA | Buckeye Brook @ Lockwood Brk | - | 684 | 882 | 1187 | - | - | 895 |
| NA | Buckeye Brook @ Warner Rd | 318 | 759 | 9768 | 31 | 299 | - | 465 |
| NA | Buckeye Brook @ Mill Cove | <10 | 780 | 28272 | 1650 | 1043 | - | 520 |
| GB | GB #2 - Burger King | - | - | - | - | - | - | - |
| GB | GB #4 - Mill Creek | 138 | 62 | 455 | 404 | 30 | 1187 | 196 |
| GB | GB #5 - Hardig Upstream | 147 | 10 | 1935 | 1354 | 488 | 1071 | 355 |
| GB | GB #6 - Tuscatucket Br | 9 | 10 | 7701 | 98 | 472 | 2098 | 203 |
| GB | GB #7 - Southern Creek | 105 | 30 | 1145 | 738 | 602 | 1789 | 377 |
| H | HW #5 - Sandhill Brook (Saw Mill Inlet) | 50 | 2747 | 4569 | 1162 | 2481 | 860 | 1078 |
| H | HW #6 - Hunt River @ Forge Rd. | 2 | 163 | 1607 | - | 164 | 591 | 142 |
| WD | Pawcatuck River - North of WWTP | <10 | - | 305 | 809 | 457 | 199 | 118 |
| WD | Pawcatuck River - South of WWTP | 31 | - | 52 | 74 | 305 | 108 | 83 |
| WD | Pawcatuck River - Mouth | 10 | - | <10 | <10 | 52 | <10 | **<10** |
| NA | Wickford Cove - West of Loop Dr | 178 | <10 | 344 | 10 | 42 | 63 | 34 |
| NA | Wickford Cove - East of Loop Dr | 20 | 10 | 75 | 10 | 42 | 63 | 27 |
| NA | Wickford Harbor - Brown St Dock | 20 | - | 25 | 20 | 31 | 109 | 32 |
| NA | Wickford Harbor - Main St Dock | 10 | 10 | <10 | 42 | 10 | 173 | **14** |
| NA | Woonas. R @ Waterplace Park | 487 | 259 | 6896 | 2481 | >24196 | 2034 | >2176 |

*Next page for Narrow River Sites*

*Click here for Clean Up Sound & Harbors, Napatree Point, and Little Narragansett Bay Sites Data*

*Click here for Salt Ponds Bacteria Data*

*Click here for Bristol Harbor and Tiverton Bacteria Data*

*Click here for Block Island Bacteria*

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

| Watershed Code | MONITORING LOCATION | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | GEOMEAN |
|---|---|---|---|---|---|---|---|---|
| | | - - - - | Most Probable Number of Fecal coliform per 100 mL | | | | | - - - - |
| PE | NR 01- Gilbert Stuart | 5.2 | <1 | NA | 288 | 31 | - | 5 |
| PE | NR 02 - Upper Pond | <10 | 10 | 364 | 31 | <10 | <10 | <10 |
| PE | NR 03 - Lower Pond A | <10 | <10 | 20 | 20 | 10 | - | <10 |
| PE | NR 04 - Lower Pond B | 10 | 10 | <10 | 10 | <10 | - | <10 |
| PE | NR 13 - Near Lakeside Rd. | <10 | <10 | 10 | 10 | 31 | 10 | <10 |
| PE | NR 14 - Lakeside Outfall | 474 | Dry | Dry | Dry | Dry | Dry | - |
| PE | NR 05 - Lacey Bridge | <10 | 10 | <10 | 20 | <10 | - | <10 |
| PE | NR 06 - Mettatuxet Beach | <10 | 52 | 75 | 10 | 53 | - | 14 |
| PE | NR 11 - Mettatuxet Brook | <10 | 1054 | Dry | Dry | Dry | - | 32 |
| PE | NR 07 - End of Narrows | 10 | 31 | 63 | 10 | 53 | - | 25 |
| PE | NR 08 - Middlebridge | <10 | 20 | 207 | 10 | <10 | - | 14 |
| PE | NR 12 - Mumford Brook | 379 | - | 5247 | 48392 | 20924 | - | >6699 |
| PE | NR 09 - Pettaquamscutt | - | - | 885 | 41 | 30 | - | 103 |
| PE | NR 10 - Sprague Bridge | <10 | 20 | 53 | 31 | 20 | - | 15 |

NA = Not available

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)