

2017 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 |
|----------------|--|-------|---|------|------|-------|------|---------|
| | | ---- | Most Probable Number of Enterococci per 100 mL | | | | | ---- |
| A | Annaquatket - Belleville @ RR Xing | 21.3 | 529 | 479 | 71 | - | - | 140 |
| WD | Beaver River @ Rte 138 | 4.1 | 171 | - | 58 | - | - | 34 |
| NA | Buckeye Trib - Spring Green Outflow | 44.1 | 229 | 294 | 536 | - | - | 200 |
| NA | Buckeye Trib - Betwn Commerce & Loveday | 5.2 | 125 | 414 | 327 | - | - | 97 |
| NA | Buckeye Trib - Upstream of airport channel | - | - | 278 | 43 | - | - | 110 |
| NA | Buckeye Trib - Airport channel | - | - | 98 | 4 | - | - | 20 |
| NA | Buckeye Trib @ Lakeshore Dr (culvert) | - | - | 169 | 84 | - | - | 119 |
| NA | Buckeye Brook @ Rodney Rd | 58.4 | 228 | 2924 | 374 | - | - | 347 |
| NA | Buckeye Brook @ Lockwood Brk | - | 3255 | 521 | 2014 | - | - | 1506 |
| NA | Buckeye Brook @ Warner Rd | 556 | 4352 | 259 | 504 | - | - | 750 |
| WD | Buckeye Brook @ Mill Cove | 110 | 588 | 670 | 1160 | - | - | 474 |
| GB | GB #4 - Mill Creek | 24.2 | 657 | 369 | 198 | - | - | 185 |
| GB | GB #5 - Hardig Upstream | 224.2 | 5172 | 743 | 302 | - | - | 714 |
| GB | GB #6 - Tuscatucket Br | 24.4 | 408 | 573 | 24 | - | - | 109 |
| GB | GB #7 - Southern Creek | 68.4 | 3255 | 479 | 534 | - | - | 488 |
| A | Himes River (@ Hideaway Ln) | 13.2 | 187 | 650 | 53.6 | - | - | 96 |
| H | HW #1A - Scrabbletown Brk @ Falls | 1 | 875 | 198 | 76 | - | - | 60 |
| H | HW #1B - Scrabbletown Brk @ Rte 4 Bridge | <1 | 576 | 258 | 50 | - | - | 195 |
| H | HW #4 - Davis Memorial | 10.6 | - | - | - | - | - | - |
| H | HW #5 - Sandhill Brook (Saw Mill Inlet) | 4 | 6488 | 591 | 312 | - | - | 263 |
| H | HW #6 - Hunt River @ Forge Rd. | - | 3654 | 1153 | 85 | - | - | 711 |
| TH | Moosup Upstream | 4 | 910 | 355 | 21 | - | - | 72 |
| TH | Moosup A - Fairbanks | 5.2 | 643 | 1842 | 58 | - | - | 138 |

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|---|--|--|------|------|------|-------|------|---------|--|
| | | - - - - Most Probable Number of Enterococci per 100 mL - - - - | | | | | | | |
| <i>Click HERE for Narrow River enterococci and HERE for Narrow River fecal coliform data.</i> | | | | | | | | | |
| M | Moshassuck - Sheridan Nature Sanctua | 88.4 | 211 | 1842 | 102 | - | - | 244 | |
| M | Moshassuck – Collyer Field FOTM tree l | 71 | 218 | 2908 | 155 | - | - | 289 | |
| M | Moshassuck – West River | 101.2 | 359 | 1067 | 496 | - | - | 372 | |
| WD | Pawcatuck River @ Rte 91 | 4 | 66 | 1137 | 96 | - | - | 73 | |
| WD | Pawcatuck River - Bradford | 5.2 | - | 1376 | 4 | - | - | 31 | |
| WD | Pawcatuck River - Upstream of Boombri | <1 | 68 | 2452 | 10 | - | - | 20 | |
| PA | Pawtuxet River upstream of Rhodes | 120.4 | 87 | 1467 | 6 | - | - | 99 | |
| WD | Queen River @ Mail Rd | 12 | 64 | 183 | 34.6 | - | - | 47 | |
| WD | Shickasheen @ Rte 2 | 121 | 34 | 173 | DRY | - | - | 89 | |
| WD | Shick. @ Miskiania Road | <10 | 52 | 63 | 977 | - | - | 42 | |
| WD | Shick. @ Barber Pond outlet | 1 | 2 | 41 | 8.7 | - | - | 5 | |
| WD | Shick. @ Rte 138 | 20 | 95 | 3 | 177 | - | - | 32 | |
| WD | Shick. @ Liberty Lane | 10 | 66 | 399 | 197 | - | - | 85 | |
| WD | Shunock River @ Hewitt | 17.3 | 3654 | 169 | 107 | - | - | 184 | |
| TE | Ten Mile River - Hunt's Mill | - | 52 | 657 | 4 | - | - | 52 | |
| TE | Ten Mile River - Upstream of Omega Po | 52 | 544 | 86 | 111 | - | - | 128 | |
| WD | White Horn Brk – Ministerial | 17.5 | - | 269 | 259 | - | - | 107 | |
| WD | TU - Falls River C - Austin Farms Rd | 14.4 | 651 | 253 | 77 | - | - | 116 | |
| WD | TU - Flat River @ Midway RR | 8.2 | 15 | 1379 | 83 | - | - | 61 | |
| WD | TU - Wood River @ Rte 165 | 4 | 182 | 1842 | 37 | - | - | 84 | |
| WD | Wood River @ Switch Rd | 4 | 55 | 2452 | 201 | - | - | 102 | |
| WO | Woonasquatucket R. @ Whipple Field | 3 | 1313 | 462 | 118 | - | - | 121 | |
| WO | Woonasquatucket R. @ Greystone Ponc | 5.2 | 2190 | 34 | 15 | - | - | 49 | |
| WO | Woonasquatucket River @ Donigian | 16 | 3448 | 146 | 149 | - | - | 186 | |
| WO | Woonasquatucket River @ Waterplace F | 173 | 7270 | 309 | 233 | - | - | 549 | |

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|---|---|--|------|------|-------|-------|------|---------|--|
| | | - - - - Most Probable Number of Enterococci per 100 mL - - - - | | | | | | | |
| WPWA RIVER & TRIBUTARY SITES | | | | | | | | | |
| WD | WPWA- Ashaway River @ Rte 216 | 26.4 | 57 | 6867 | 34 | - | - | 137 | |
| WD | WPWA- Green Falls R @ Rte 184 (Exit 93) | 8.2 | 136 | 3873 | 134 | - | - | 155 | |
| WD | WPWA - Pendelton Hill Brk @ Grindstone Rc | - | 88.2 | 9208 | 131.4 | - | - | 474 | |
| WD | WPWA - Shunock River @ Rte 184 | - | 44 | 6488 | 26 | - | - | 196 | |
| WD | WPWA- Tomaquag Brk @ Chase Hill | 37 | 138 | 1741 | 182 | - | - | 200 | |
| WD | WPWA - Chipuxet @ Rte 138 | 10.4 | 125 | 744 | 67 | - | - | 90 | |
| WD | WPWA - P'tuck @ Biscuit City Rd | <2 | 34 | 1302 | 61 | - | - | 27 | |
| WD | WPWA - P'tuck below Kenyon Ind. | 8.2 | 310 | 643 | 33.6 | - | - | 86 | |
| WD | WPWA - P'tuck @ Burdickville Rd | 2 | 57 | 188 | 20 | - | - | 25 | |
| WD | WPWA - Usquepaugh @ Rte 2 | 6.2 | 48 | 1274 | 37 | - | - | 61 | |

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