

2004 Bacteria Data - Lakes, Ponds and Reservoirs

URI Watershed Watch uses the USEPA approved membrane filtration method with mTEC media for analyzing fecal coliform bacteria, species that can indicate the presence of human sewage and associated pathogens, or disease causing organisms. For the past several years URI Watershed Watch has been splitting primarily marine site samples to analyze enterococci values using the USEPA approved membrane filtration method with mE media. Enterococci are a different group of bacteria species which have been identified as better indicators of increased risks of contracting gastrointestinal illnesses than the fecal coliforms as a group.

As of 2004, the Rhode Island Department of Health adopted standards for licensed swimming beaches based on enterococci. Rhode Island Department of Environmental Management water quality standards still consider fecal coliform as indicators of overall water quality. Watershed Watch currently analyzes enterococci using the USEPA membrane filtration method.

Watershed Watch data is intended for screening purposes only, but is 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 sample event, so may reflect dry versus wet weather or rain event values. Please contact Watershed Watch for specific sample dates.

RI Department of Environmental Management fresh water standards for recreational contact:

Fresh water - Not to exceed 200 fecal coliform per 100 mL.

RI Department of Health Enterococci Standards:

Fresh Waters - Not to exceed 61 enterococci per 100 mL.

| Watershed code | MONITORING LOCATION | MAY | JUNE | JULY | AUG. | SEPT. | OCT. | GEOMEAN |
|--|------------------------|-----|------|------|------|-------|------|---------|
| - - - Number of Fecal coliform colony forming units per 100 mL - - - | | | | | | | | |
| CE | Almy Pond | < 2 | - | < 10 | - | - | 20 | < 1 |
| WD | Alton Pond | 35 | - | 20 | - | - | 76 | 38 |
| TH | Arnold Pond | <1 | - | 5 | - | - | 3 | 1 |
| WD | Barber Pond | 1 | - | 6 | - | - | 1 | 2 |
| A | Belleville Pond- Lower | <1 | - | < 2 | - | - | 2 | < 1 |
| A | Belleville Pond- upper | < 1 | - | 26 | - | - | 5 | 1 |
| PA | Blackamore Pond | 30 | - | 11 | - | - | 80 | 30 |
| TH | Bowdish Reservoir | < 1 | - | 3 | - | - | 5 | 1 |
| WD | Breakheart Pond | < 1 | - | 2 | - | - | < 1 | < 1 |
| NA | Brickyard Pond | 10 | - | 4 | - | - | - | 6 |
| WD | Browning Mill Pond | 6 | - | 1 | - | - | 7 | 3 |
| TH | Carbuncle Pond | < 1 | - | 1 | - | - | 4 | 0 |
| PE | Carr Pond (NK) | - | - | < 2 | - | - | < 2 | < 2 |
| PA | Carr Pond (WG) | <1 | - | < 1 | - | - | < 1 | < 1 |
| WD | Chapman Pond | 26 | - | 9 | - | - | - | 15 |
| CW | Deep Pond | <1 | - | <1 | - | - | 21 | <1 |
| PA | Fenner Pond | 14 | - | 6 | - | - | 21 | 12 |
| PA | Flat River Reservoir | 10 | - | 4 | - | - | 3 | 5 |
| WO | Georgiaville Pond | 31 | - | 38 | - | - | 2 | 13 |
| B | Handy Pond | 46 | - | 6 | - | - | 252 | 41 |
| WO | Hawkins Pond | 16 | - | 17 | - | - | 11 | 14 |
| WD | Hundred Acre Pond | 4 | - | < 2 | - | - | 10 | 1 |

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| --- Number of Fecal coliform colony forming units per 100 mL --- | | | | | | | | |
| S | Indian Lake | 3 | - | 2 | - | - | 9 | 4 |
| B | Keech Pond | 3 | - | 49 | - | - | 9 | 11 |
| TH | Lake Washington | 6 | - | < 2 | - | 15 | - | 2 |
| CE | Lily Pond | 16 | - | 4 | - | - | 26 | 12 |
| PA | Little Pond | 3 | - | 4 | - | 35 | 258 | 18 |
| WD | Locustville Pond | 1 | - | - | - | - | - | 1 |
| S | Long Pond (SK) | - | < 1 | 2 | - | - | 5 | 1 |
| PA | Mashapaug Pond | 50 | - | 66 | - | - | 270 | 96 |
| WD | Meadowbrook Pond | 53 | - | 2 | - | - | 24 | 14 |
| NA | Melville Pond - Upper | < 2 | - | 40 | - | - | 9 | 2 |
| PA | Mishnock Lake | < 1 | - | 7 | - | - | 2 | 1 |
| SK | Nanaquaket Pond | 2 | - | 2 | - | - | 344 | 11 |
| PA | Oak Swamp Reservoir | 1 | - | 6 | - | - | < 1 | <1 |
| B | Pascoag Reservoir | <1 | - | 6 | - | - | 4 | 1 |
| WD | Pasquissett Pond | 11 | - | - | - | - | 15 | 13 |
| NA | Prince's Pond | 76 | - | 20 | - | 10 | 76 | 33 |
| WD | Queen Usquepaugh | 12 | - | 68 | - | - | ~1200 | 99 |
| PA | Randall Pond | 1 | - | < 2 | - | - | 62 | 1 |
| CE | Round Pond | 1 | - | < 1 | - | - | - | <1 |
| PA | Sand Pond | 6 | - | 5 | < 2 | 333 | 4 | 3 |
| S | Saugatucket Pond | 60 | - | - | - | - | - | - |
| CW | Schoolhouse Pond - Lower | - | - | 44 | - | - | < 1 | 1 |
| CW | Schoolhouse Pond - Upper | - | - | < 1 | - | - | 1 | <1 |
| A | Secret Lake | 6 | - | 7 | - | - | 21 | 10 |
| S | Silver Lake | 4 | - | < 1 | - | - | 1 | <1 |
| PE | Silver Spring Lake | 542 | - | 460 | - | - | 86 | 278 |
| CE | Simmons Mill Pond | 12 | - | 6 | - | - | 4 | 7 |
| TH | Sisson Pond | 11 | - | 4 | - | - | 77 | 15 |
| WO | Slack's Reservoir | 12 | 35 | 34 | 66 | 92 | 4 | 27 |
| TE | Slater Pond | 44 | - | 26 | - | - | ~400 | 77 |
| B | Slatersville Reservoir - Upper | 47 | - | 1 | 2 | - | 13 | 6 |
| B | Smith & Sayles Reservoir | 1 | - | 2 | - | - | 6 | 2 |
| WD | Spalding Pond | 10 | - | 98 | - | - | 36 | 33 |
| PA | Spectacle Pond | 14 | - | - | 46 | - | 16 | 22 |
| B | Spring Grove Pond | 2 | - | 13 | - | - | 5 | 5 |
| B | Spring Lake | 1 | - | 69 | - | - | 5 | 7 |
| TA | Stafford Pond | < 1 | - | 1 | - | - | 2 | <1 |
| PA | Tarbox Pond | 2 | - | < 2 | - | - | < 2 | <2 |

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| PA | Tiogue Lake | 1 | - | 12 | - | - | 153 | 12 |
| WD | Tucker Pond | <1 | - | - | 3 | - | < 1 | <1 |
| PA | Upper Dam Pond | 10 | - | 6 | - | - | 41 | 13 |
| B | Valley Falls Pond | 56 | - | 3 | - | - | 22 | 15 |
| B | Wallum Lake | <1 | - | - | - | - | < 1 | <1 |
| NA | Warwick Pond | 6 | - | 2 | 22 | 4 | 44 | 9 |
| WD | Watchaug Pond | - | - | 2 | - | - | 5 | 3 |
| WO | Waterman Reservoir | 3 | - | 16 | - | - | 136 | 19 |
| NA | Wesquage Pond | 17 | - | 66 | - | - | 30 | 32 |
| WD | White Brook Pond | <1 | - | 29 | - | - | 5 | 1 |
| WD | Wickaboxet Pond | 1 | - | 16 | - | - | - | 4 |
| WD | Wincheck Pond | 1 | - | - | - | - | 2 | 1 |
| WO | Woonasquatucket Res. - Stump Pond | 22 | - | 3 | - | - | 344 | 28 |
| WD | Worden Pond | < 1 | - | < 1 | - | - | 4 | <1 |
| WD | Wyassup Lake | 3 | - | 2 | - | - | 6 | 3 |
| WD | Wyoming Pond | 28 | - | 24 | - | - | 107 | 42 |
| WD | Yawgoo Pond | 2 | - | < 1 | 2 | - | 8 | 1 |

A factsheet describing how bacteria are monitored, what bacterial indicators are, where bacteria come from and how we can all help to reduce bacterial input into our local water resources is available at <http://www.uri.edu/ce/wq/ww/resources/Bacteria.pdf>

See the Rhode Island Department of Health beach monitoring website (<http://www.ribeaches.org/>) for additional information about beach monitoring and state standards.

The Rhode Island Department of Environmental Management website has information on State efforts to restore waters impaired by bacteria and other pollutants (<http://www.dem.ri.gov/programs/benviron/water/quality/index.htm>).