

## 2017 Bacteria Data - Lakes, Ponds and Reservoirs 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, Watershed Watch data is intended for screening purposes only. However our data are very valuable for targeting areas of concerns and for tracking potential sources of bacterial contamination. 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 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 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 ---						
WD	Alton Pond	4.1	-	1413.6	-	-	-	76
A	Annaquatucket Mill Pond	5.1	167	30	26	-	-	28
S	Asa Pond	<1	-	<2	-	-	-	<2
WD	Barber Pond	2	3.1	1	<1	-	-	1
WD	Beach Pond	1	-	16.4	-	-	-	4
A	Belleville Pond - Lower	2	-	6	<1	-	-	3
A	Belleville Pond - Upper	<1	1	-	83.6	-	-	<1
PA	Blackamore Pond	-	-	<4	-	-	-	-
TH	Blue Lake (CT)	<1	-	32.4	-	-	-	2
WD	Boone Lake	7.5	-	19.2	-	-	-	12
TH	Bowdish Lake	2	-	53.1	-	-	-	2
CE	Briggs Marsh	-	-	<10	-	-	-	-
PE	Carr Pond (NK)	1	-	3.1	-	-	-	1
PA	Carr Pond (WG)	<1	-	62.4	-	-	-	2
TE	Central Pond (Turner North)	8.4	-	471	-	-	-	7
WD	Chapman Pond	1	-	4.1	-	-	-	1
CW	Deep Pond	1	-	-	-	-	-	-
PA	Flat River Reservoir	-	-	6.2	-	-	-	-
WO	Georgiaville Pond	<1	-	129.8	-	-	-	4
NA	Gorton Pond	1	-	Lab problem	-	-	-	-
WO	Hawkins Pond	1	-	-	1	-	-	1

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		- - - Most Probable Number of Enterococci per 100 mL - - -						
WD	Hundred Acre Pond	-	-	-	-	-	-	-
S	Indian Lake	5.3	-	25.4	-	-	-	2
PA	JL Curran Reservoir	12	5.3	2	-	-	-	5
B	Keech Pond	<1	-	12.1	-	-	-	1
WD	Locustville Pond	1	-	>200.5	-	-	-	>14
S	Long Pond (SK)	<1	-	1	-	-	-	<1
PA	Mashapaug Pond	NA	37.4	4	-	-	-	12
WD	Meadowbrook Pond	<1	-	48.6	-	-	-	2
NA	Melville Pond - Upper	<2	-	10.6	-	-	-	1
PA	Mishnock Lake	3.1	-	34.4	-	-	-	10
B	Pascoag Reservoir	-	-	4.1	-	-	-	-
WD	Pasquisett Pond	3.1	-	32.4	-	-	-	10
S	Peacedale Res. (CA Jim's Pond)	<1	-	-	-	-	-	-
PA	Posnegansett Pond	1	-	14.6	-	-	-	4
NA	Prince's Pond	<1	-	53	-	-	-	7
WD	Queen Usquepaugh	6.3	-	214	-	-	-	37
PA	Quidnick Reservoir	<1	-	1	-	-	-	<1
PA	Randall Pond	3	-	<1	-	-	-	<1
PA	RWP #4 - Willow/Pleasure Bridge	13.2	-	208	-	-	-	52
PA	Sand Pond	1	-	5.3	-	-	-	2
CW	Schoolhouse Pond - Lower	1	-	-	-	-	-	-
CW	Schoolhouse Pond - Upper	1	-	-	-	-	-	-
A	Secret Lake	4.1	-	192	-	-	-	28
S	Silver Lake	-	4.1	-	-	-	-	-
PE	Silver Spring Lake	<1	10.9	8	-	-	-	2
WO	Slack's Reservoir	-	-	5.3	-	-	-	-
B	Smith & Sayles Reservoir	-	-	19.2	-	-	-	-
WD	Spaulding Pond	3.1	-	36.8	-	-	-	11
PA	Spectacle Pond	<2	1	<10	-	-	-	1
B	Spring Grove Pond	<1	-	9.9	-	-	-	1
B	Spring Lake	1	-	8.7	-	-	-	3
TA	Stafford Pond	-	3.1	1	-	-	-	2
PA	Tiogue Lake	6.3	-	144.5	-	-	-	30

NA = Not available. Typically means sample was delivered well past acceptable holding time.

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

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RI Department of Environmental Management Enterococci Standards:

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B	Wallum Lake	-	-	-	-	-	-	-
NA	Warwick Pond	5.1	6	3	1	-	-	3
S	Wash Pond	-	1	<1	-	-	-	<1
WD	Watchaug Pond	4.1	<1	1	-	-	-	2
WO	Waterman Reservoir	2	-	5.3	-	-	-	3
NA	Wesquage Pond	<1	-	10	<10	-	-	<10
S	White Pond	<1	-	-	<1	-	-	<1
WD	Worden Pond	9.8	-	3.1	-	-	-	6
WD	Wyassup Lake	14.6	-	<b>62.4</b>	-	-	-	30
WD	Yawgoo Pond	3	<1	21.6	<1	-	-	<1

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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 Rhode Island Department of Health beach monitoring website (<http://www.health.ri.gov/beaches/>) 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/water/>).



Spauling Lake photo from  
<http://aroundguides.com/22032>  
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