

2017 Bacteria Data - Salt Pond Sites: Fecal coliform and enterococci

Fecal coliform and enterococci bacteria are monitored to indicate the presence of human sewage and associated pathogens, or disease causing organisms. The Department of Health (RIHealth) uses a single-sample value enterococci standard for licensed swimming beaches. The RI Department of Environmental Management (RIDEM) uses a geometric mean approach for contact recreation (i.e. swimming) standards on all other waters (fresh and salt). For the National Shellfish Sanitation Program, RIDEM also assesses fecal coliform levels for shellfish waters and their tributaries. While URIWW's analytical laboratories are certified by the State, URIWW bacteria data are intended for screening purposes only. Our data help target areas of concerns and track potential sources of bacterial contamination. Any result above the state standard is considered unsafe, and swimmers should refrain from swimming until results return to acceptable levels, or for at least several days after heavy rain. [* means the site is monitored with the Rivers - rather than on the SPC schedule.] Check out our bacteria factsheet at <http://cels.uri.edu/docslink/ww/water-quality-factsheets/Bacteria.pdf> to learn more about how bacteria are monitored, where they come from, what bacterial indicators are, and how we can all help to reduce bacterial input into our local water resources.

Salt Pond Coalition Sites 2017 Fecal Coliform Data

Monitoring Location	5/31	6/28	7/26	8/23	9/18 - 9/28	10/18	GeoMean
	----- Most Probable Number of Fecal coliform per 100 mL -----						
Green Hill Pond - In Pond (center)	10	10	31	10	52	-	17
Green Hill Pond - Indigo Point	20	53	<10	158	135	-	30
Green Hill Pond - Sea Lea	10	<10	53	10	233	-	17
Green Hill Pond - Teal Road	41	75	98	185	410	-	118
Green Hill Pond - Allen Cove	41	<10	10	20	213	-	18
Green Hill Trib - Allen Cove Inflow	4	7	Dry	Dry	-	-	5
Ninigret Pond - Crawford Dock	<10	<10	<10	<10	359	-	<10
Ninigret Pond - Eastern Basin	10	<10	64	75	41	-	18
Ninigret Pond - (Mid) Western Basin	<10	<10	<10	<10	<10	-	<10
Ninigret Pond - Potato Point	<10	31	20	20	10	-	10
Ninigret Pond - Stumpy Point	30	31	87	187	-	-	62
Ninigret Pond - Vigna's Dock	98	20	<10	74	63	-	25
Pt Judith Pond - Billington Cove *	10	64	<10	53	<10	-	<10
Pt Judith Pond - Central Pond	no sample	<10	20	31	-	-	<10
Pt Judith Pond - Champlin's Cove	20	41	10	<10	10	-	10
Pt Judith Pond - East Pond	10	10	20	20	<10	-	<10
Pt Judith Pond - Gardiner Island	20	31	10	<10	-	-	<10
Pt Judith Pond - Ram Point	63	111	246	110	121	-	118
Pt Judith Trib - Saugatucket River	154	394	75	441	988	-	288
Potter Pond - Mid Pond	<10	<10	10	10	41	-	<10
Potter Pond - North	<10	10	53	171	52	-	22
Quonochontaug P - Harmonic Cove Buoy	<10	<10	<10	10	<10	-	<10
Quonochontaug P - Harmonic Cove Channel	<10	<10	<10	10	10	-	<10
Quonochontaug Pond - Judge's Rock	<10	<10	10	<10	207	-	<10
Quonochontaug Pond - N. of Bill's Is.	<10	<10	<10	10	782	-	<10
Winnapaug Pond - East Basin	<10	<10	10	<10	120	-	<10
Winnapaug Pond - SWest Corner	<10	20	10	<10	10	-	<10

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

2017 Bacteria Data - Salt Pond Sites: Fecal coliform and enterococci

Salt Pond Coalition Sites 2017 Enterococci Data

Monitoring Location	5/31	6/28	7/26	8/23	9/18 - 9/28	10/18	GeoMean
	Most Probable Number of Enterococci per 100 mL						
Green Hill Pond - In Pond (center)	<10	<10	42	10	10	-	<10
Green Hill Pond - Indigo Point	10	10	10	98	20	-	18
Green Hill Pond - Sea Lea	<10	<10	20	<10	31	-	<10
Green Hill Pond - Teal Road	<10	42	97	52	299	-	36
Green Hill Pond - Allen Cove	30	<10	10	10	161	-	14
Green Hill Trib - Allen Cove Inflow	2	2	Dry	Dry	-	-	2
Ninigret Pond - Crawford Dock	<10	42	<10	<10	121	-	<10
Ninigret Pond - Eastern Basin	<10	<10	<10	62	10	-	<10
Ninigret Pond - (Mid) Western Basin	10	<10	<10	<10	<10	-	<10
Ninigret Pond - Potato Point	<10	<10	10	<10	<10	-	<10
Ninigret Pond - Stumpy Point	41	10	137	63	-	-	43
Ninigret Pond - Vigna's Dock	20	160	<10	41	20	-	19
Pt Judith Pond - Billington Cove *	<10	10	<10	53	<10	-	<10
Pt Judith Pond - Central Pond	no sample	<10	<10	<10	-	-	<10
Pt Judith Pond - Champlin's Cove	<10	<10	10	10	<10	-	<10
Pt Judith Pond - East Pond	10	<10	20	10	<10	-	<10
Pt Judith Pond - Gardiner Island	10	<10	<10	<10	-	-	<10
Pt Judith Pond - Ram Point	<10	<10	42	52	52	-	10
Pt Judith Trib - Saugatucket River	110	271	<10	368	97	-	64
Potter Pond - Mid Pond	<10	<10	<10	10	20	-	<10
Potter Pond - North	<10	<10	<10	110	20	-	<10
Quonochontaug P - Harmonic Cove Buoy	<10	<10	<10	<10	20	-	<10
Quonochontaug P - Harmonic Cove Channel	<10	<10	<10	10	10	-	<10
Quonochontaug Pond - Judge's Rock	<10	<10	<10	<10	124	-	<10
Quonochontaug Pond - N. of Bill's Is.	<10	<10	<10	<10	254	-	<10
Winnapaug Pond - East Basin	<10	<10	<10	<10	20	-	<10
Winnapaug Pond - SWest Corner	<10	<10	<10	<10	<10	-	<10

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.

Marine Waters Geometric Mean Density - Not to exceed 35 enterococci per 100 mL.

Please see the Salt Ponds Coalition website for information about the ponds and specific monitoring sites, as well as what you can do to help protect these unique Rhode Island resources (<http://www.saltpondscoalition.org/>).

