

2022 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 (not to exceed 14 fecal coliform per 100 mL). 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. Starting in 2020, the Salt Pond Coalition tests bacteria every two weeks at select sites to get a better handle on conditions after periods of high bacteria levels in 2019. 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. 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 2022 Fecal Coliform Data

Monitoring Location	5/11	5/25	6/8	6/22	7/6	7/20	8/3	8/17	8/31	9/14	9/28	10/12	GeoMean
	----- Most Probable Number of Fecal coliform per 100 mL -----												
Green Hill Pond - In Pond (center)	-	10	-	20	-	42	-	10	-	1785	-	10	34
Green Hill Pond - Indigo Point	-	<10	-	63	-	42	-	31	-	959	-	<10	21
Green Hill Pond - Sea Lea	-	20	-	20	-	10	-	<10	-	990	-	<10	13
Green Hill Pond - Teal Road	-	87	-	31	-	150	-	10	-	14136	-	20	102
Green Hill Pond - Allen Cove	-	10	-	<10	-	10	-	288	-	1483	-	10	27
Green Hill Trib - Allen Cove Inflow*	-	<2	-	<2	-	23	-	-	-	-	-	10	<2
Ninigret Pond - Crawford Dock	-	<10	-	<10	-	<10	-	10	-	30	-	<10	<10
Ninigret Pond - Eastern Basin	-	<10	-	<10	-	lab erro	-	42	-	1187	-	<10	<10
Ninigret Pond - (Mid) Western Basin	<10	<10	-	<10	<10	723	<10	<10	-	211	20	<10	<10
Ninigret Pond - Potato Point	-	10	-	41	-	-	-	137	-	1246	-	<10	37
Ninigret Pond - Stumpy Point	<10	<10	31	41	885	20	86	20	10	-	<10	-	19
Ninigret Pond - Vigna's Dock	-	<10	-	<10	-	10	-	<10	-	20	-	<10	<10

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/>).

(Next pages for more data, including enterococci values)

2022 Bacteria Data - Salt Pond Sites: Fecal coliform and enterococci

Salt Pond Coalition Sites 2022 Fecal Coliform Data (Continued)

Monitoring Location	5/11	5/25	6/8	6/22	7/6	7/20	8/3	8/17	8/31	9/14	9/28	10/12	GeoMean
	----- Most Probable Number of Fecal coliform per 100 mL -----												
Pt Judith Pond - Billington Cove *	160	-	87	-	134	-	-	241	-	53	-	259	135
Pt Judith Pond - Central Pond	-	<10	-	<10	-	<10	-	<10	-	197	-	<10	<10
Pt Judith Pond - Champlin's Cove	-	<10	-	<10	-	<10	-	<10	-	2755	-	<10	<10
Pt Judith Pond - East Pond	<10	10	10	<10	<10	<10	10	<10	-	226	10	10	<10
Pt Judith Pond - East Pond Site 2	-	10	10	10	<10	<10	<10	<10	1076	422	<10	10	<10
Pt Judith Pond - Gardiner Island	<10	<10	<10	<10	<10	<10	10	<10	10	222	10	<10	<10
Pt Judith Pond - Long Cove	-	121	-	85	-	<10	-	10	-	4106	-	20	18
Pt Judith Pond - Ram Point	-	<10	-	<10	-	160	-	41	-	7270	-	146	44
Pt Judith Trib - Saugatucket River	-	<10	-	12	-	<10	-	132	-	475	-	34	<10
Potter Pond - Mid Pond	<10	10	<10	<10	<10	<10	10	<10	98	42	-	<10	<10
Potter Pond - North	-	<10	-	10	-	75	-	75	-	1616	-	10	31
Potter Pond - Segar Cove	-	<10	-	10	-	10	-	<10	-	306	-	42	10
Quono P - Harmonic Cove Buoy	-	<10	-	<10	-	<10	-	10	-	288	-	<10	<10
Quono P - Harmonic Cove Channel	<10	<10	<10	<10	<10	<10	<10	<10	10	624	<10	<10	<10
Quonochontaug P - Judge's Rock	<10	<10	<10	<10	<10	<10	20	<10	74	238	20	<10	<10
Quonochontaug P - N. of Bill's Is.	-	10	-	10	-	<10	-	<10	-	207	-	31	<10
Winnapaug Pond - East Basin	<10	<10	10	<10	<10	42	10	<10	20	254	<10	<10	<10
Winnapaug Pond - SWest Corner	<10	10	<10	<10	<10	<10	10	<10	31	324	<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.

Salt Pond Coalition Sites 2022 Enterococci Data

Monitoring Location	5/11	5/25	6/8	6/22	7/6	7/20	8/3	8/17	8/31	9/14	9/28	10/12	GeoMean
	----- Most Probable Number of Enterococci per 100 mL -----												
Green Hill Pond - In Pond (center)	-	10	-	10	-	10	-	10	-	934	-	<10	25
Green Hill Pond - Indigo Point	-	<10	-	<10	-	<10	-	<10	-	377	-	<10	<10
Green Hill Pond - Sea Lea	-	<10	-	<10	-	<10	-	98	-	455	-	<10	<10
Green Hill Pond - Teal Road	-	53	-	10	-	288	-	<10	-	6867	-	10	47
Green Hill Pond - Allen Cove	-	<10	-	64	-	344	-	87	-	1223	-	238	91
Green Hill Trib - Allen Cove Inflow*	-	<2	-	<2	-	415	-	-	-	-	-	<10	2

2022 Bacteria Data - Salt Pond Sites: Fecal coliform and enterococci

Salt Pond Coalition Sites 2022 Enterococci Data (Continued)

Monitoring Location	5/11	5/25	6/8	6/22	7/6	7/20	8/3	8/17	8/31	9/14	9/28	10/12	GeoMean
	- - - - Most Probable Number of Enterococci per 100 mL - - - -												
Ninigret Pond - Crawford Dock	-	<10	-	<10	-	<10	-	10	-	10	-	<10	<10
Ninigret Pond - Eastern Basin	-	<10	-	20	-	<10	-	31	-	613	-	<10	<10
Ninigret Pond - (Mid) Western Basin	<10	<10	-	99	<10	52	<10	20	-	41	<10	<10	<10
Ninigret Pond - Potato Point	-	<10	-	85	-	-	-	178	-	1014	-	<10	27
Ninigret Pond - Stumpy Point	<10	10	41	63	254	41	30	<10	20	-	10	-	17
Ninigret Pond - Vigna's Dock	-	<10	-	<10	-	<10	-	<10	-	20	-	<10	<10
Pt Judith Pond - Billington Cove *	132	-	64	-	132	-	-	10	-	10	-	87	46
Pt Judith Pond - Central Pond	-	<10	-	<10	-	<10	-	<10	-	52	-	<10	<10
Pt Judith Pond - Champlin's Cove	-	20	-	42	-	10	-	<10	-	2064	-	<10	16
Pt Judith Pond - East Pond	<10	<10	10	10	<10	<10	<10	<10	-	85	<10	<10	<10
Pt Judith Pond - East Pond Site 2	-	20	<10	20	10	<10	<10	10	663	336	<10	<10	<10
Pt Judith Pond - Gardiner Island	<10	10	<10	<10	-	<10	<10	<10	10	64	20	42	<10
Pt Judith Pond - Long Cove	-	31	-	20	-	10	-	10	-	8164	-	10	41
Pt Judith Pond - Ram Point	-	<10	-	10	-	41	-	20	-	3448	-	10	26
Pt Judith Trib - Saugatucket River	-	109	-	215	-	30	-	52	-	2142	-	34	118
Potter Pond - Mid Pond	<10	<10	<10	<10	10	<10	<10	<10	10	10	-	<10	<10
Potter Pond - North	-	<10	-	<10	-	<10	-	64	-	882	-	<10	<10
Potter Pond - Segar Cove	-	<10	-	10	-	<10	-	<10	-	271	-	<10	<10
Quono P - Harmonic Cove Buoy	-	<10	-	<10	-	<10	-	10	-	124	-	<10	<10
Quono P - Harmonic Cove Channel	<10	<10	<10	<10	<10	<10	10	<10	<10	271	<10	<10	<10
Quonochontaug P - Judge's Rock	<10	<10	<10	<10	<10	31	10	<10	10	124	<10	<10	<10
Quonochontaug P - N. of Bill's Is.	-	<10	-	<10	-	<10	-	<10	-	53	-	<10	<10
Winnapaug Pond - East Basin	<10	<10	<10	<10	<10	10	<10	<10	<10	111	<10	<10	<10
Winnapaug Pond - SWest Corner	10	10	<10	<10	<10	<10	<10	10	10	31	<10	<10	<10

[* means the site is monitored with the Rivers - rather than on the SPC schedule]