2023 Bacteria Data: Great Salt Pond and its Tributaries - Fecal coliform and enterococci

In Rhode Island two groups of bacteria are monitored to indicate the presense 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.

While URIWW's analytical laboratories are certified by the State, URIWW data is intended for screening purposes only. Our data are very valuable for targeting areas of concerns and for tracking 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 at least for several days after heavy rain.

Monitoring Site	5/26 & 6/8	6/26 & 7/6	8/3 & 8/9	8/17 & 9/6	9/14 & 9/28	10/12 & 10/26	11/9 - tribs only	12/17 - Tribs only	Geo- mean	Max	Min
Most Probable Number of Fecal coliform bacteria per 100 mL											
GSP #1 (Mid harbor)	<10	<10	10	20	10	<10	-	-	<10	20	<10
GSP #2 (Narra. Inn Cove)	<10	10	53	10	<10	<10	-	-	<10	53	<10
GSP #4 (Trimm's)	10	10	41	<10	31	<10	-	-	<10	41	<10
GSP #5 (N of Champlin's)	<10	<10	<10	53	<10	<10	-	-	<10	53	<10
Outside GSP - North	<10	20	<10	<10	<10	<10	-	-	<10	20	<10
BI Trib #1 (Ocean Ave)	341	84	439	10	226	52	4	<10	67	439	4
BI Trib #2 (Bridgegate Sq)	262	1314	6131	2359	72	63	<10	10	301	6131	<10
BI Trib #3 (Cormorant)	75	31	1918	75	20	478	1013	<10	164	1918	<10
BI Trib #4 (Beach Ave.)	238	355	63	Dry	242	20	310	41	118	355	20
BI Trib (Breezy Pt)	85	98	135	211	16	152	43	<10	82	211	<10
BI Trib #11 (Sullivan's)	1844	97	557	73	689	195	39	20	172	1844	20

2023 Data

Rhode Island DEM Shellfishing standards for Great Salt Pond sites: <15 cfu / 100 ml USEPA requires tributaries to meet receiving waters standards at the point where they enter.



URI Watershed Watch Data - https://web.uri.edu/watershedwatch/

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2023 Data

Monitoring Site	5/26 & 6/8	6/26 & 7/6	8/3 & 8/9	8/17 & 9/6	9/14 & 9/28	10/12 & 10/26	11/9 - tribs only	12/17 - Tribs only	Geo- mean	Max	Min	
Most Probable Number of Enterococci bacteria per 100 mL												
GSP #1 (Mid harbor)	<10	<10	<10	10		<10	-	-	<10	10	<10	
GSP #2 (Narra. Inn Cove)	<10	20	10	<10	lo	<10	-	-	<10	20	<10	
GSP #4 (Trimm's)	10	10	20	<10	er	20	-	-	<10	20	<10	
GSP #5 (N of Champlin's)	<10	<10	<10	10	Lat	<10	-	-	<10	10	<10	
Outside GSP - North	<10	<10	<10	<10		<10	-	-	<10	<10	<10	
BI Trib #1 (Ocean Ave)	161	738	1860	2603	213	146	79	20	270	2603	20	
BI Trib #2 (Bridgegate Sq)	63	504	1725	3441	256	98	84	<10	158	3441	<10	
BI Trib #3 (Cormorant)	63	20	496	945	<10	135	99	<10	70	945	<10	
BI Trib #4 (Beach Ave.)	616	364	657	Dry	1816	3784	6212	41	824	6212	41	
BI Trib (Breezy Pt)	20	41	816	1198	8	154	1741	<10	80	1741	8	
BI Trib #11 (Sullivan's)	134	62	110	52	105	16	8	<10	30	134	8	

Rhode Island DOH enterococci swimming standard 60 per 100 mL for beaches RI Department of Environmental Management Enterococci Standards:

on-Beach (Fresh) Waters Geometric Mean Density - Not to exceed 54 enterococci per 100 mL signated Beach (Fresh) Waters Geometric Mean Density - Not to exceed 33 enterococci per 100 r 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://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 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/quality/).



Committee for the Great Salt Pond sponsors and conducts the monitoring. See www.cgspblockisland.org to learn more.

URI Watershed Watch Data - https://web.uri.edu/watershedwatch/