

Bacteria Report - Total Enterococcus

Sampling Period 04/01/17 - 06/30/17

University of Delaware Citizen Monitoring Program

Total Enterococcus (TE) are a group of bacteria that are normally found in the guts and feces of warm-blooded animals (mammals and birds). The EPA and the State of Delaware use TE as the best, easily-measured bacterial indicator of the risk of acquiring gastroenteritis from swimming in fecal contaminated water.

<u>Watershed</u>	<u>Site: Name</u>	<u>Last Sample Date</u>	<u>Time</u>	<u>Last Sample (Colonies per 100 mL)</u>	<u>Geometric mean (Colonies per 100 mL)</u>	<u>Sample Total</u>
Fresh water sites		EPA Fresh Water Standards for Swimming		185	100	
Broadkill River						
<u>Beaverdam Creek</u>	BR55: Beaverdam Creek at Road 88	6/28/2017	11:00	265	98	5
<u>Diamond Pond</u>	BR48: Diamond Pond at Spillway	6/28/2017	7:45	5	13	5
<u>Red Mill Pond</u>	BR54: Red Mill Pond outlet at Rt 1	6/28/2017	11:58	10	Insufficient data	2
<u>Wagamon's Pond</u>	BR44: Wagamon's Pond on Northern Shoreline, Milton	6/14/2017	9:30	31	157	4
Little Assawoman Bay						
<u>Dirickson Pond</u>	LA38: The Hamlet at Dirickson Pond	6/27/2017	7:45	5	8	5
Rehoboth Bay						
<u>Guinea Creek</u>	RB10: Guinea Creek above golf course	6/26/2017	8:09	213	157	5
Rehoboth Beach						
<u>Lake Gerar</u>	RL10: Lake Gerar bridge	6/26/2017	14:25	5	79	8
<u>Lake Gerar</u>	RL11: Lake Gerar, outlet to ocean	6/26/2017	14:35	20	51	8
<u>Silver Lake</u>	RL01: Silver Lake, Lake Drive Bridge	6/26/2017	15:00	20	63	8
<u>Silver Lake</u>	RL04: Silver Lake, outlet to ocean	6/26/2017	15:15	52	137	8
Tidal water sites		EPA Tidal Water Standards for Swimming		104	35	
Broadkill River						
<u>Broadkill River</u>	BR01: Broadkill river @ PEL dock.	6/28/2017	8:50	10	7	5
<u>Broadkill River</u>	BR20: Broadkill River at Milton tidal pond	6/28/2017	11:32	41	33	5
<u>Old Mill Creek</u>	BR21: Old Mill Creek downstream from Red Mill Pond	6/28/2017	10:21	410	220	4
<u>Wagamon's Pond</u>	BR41: Wagamon's Pond Outlet	6/14/2017	7:50	41	Insufficient data	1
Delaware Bay						
<u>Canary Creek</u>	BR19: Canary Creek at New Road	6/27/2017	9:20	537	458	3
<u>Canary Creek</u>	BR40: Canary Creek at Pilottown Rd	6/28/2017	8:24	51	16	4
<u>Delaware Bay</u>	DB01: End of Cape Shores pier	6/12/2017	8:43	5	5	7
Indian River						
<u>Indian River</u>	IR02a: Rosedale crabbing pier	6/26/2017	9:48	5	Insufficient data	2
<u>Indian River</u>	IR03: Oak Orchard	6/26/2017	8:40	780	142	3
<u>Indian River</u>	IR11: Pot Nets Seaside Pier	6/26/2017	10:27	10	6	5
<u>Indian River</u>	IR24: Iron Branch - County road 331 at bridge	6/26/2017	9:17	1,178	304	5
<u>Indian River</u>	IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore	6/27/2017	7:10	30	15	5
<u>Indian River</u>	RWPMVII: Holt's Landing Boat Ramp	6/21/2017	10:40	292	37	4
<u>Indian River</u>	RWPMXII: North IRI Boat Ramp	6/21/2017	9:30	20	16	4
<u>Indian River</u>	RWPMXVI: Rosedale Beach Boat Ramp	6/21/2017	11:10	20	10	4
<u>Indian River</u>	RWPMXXV: Quillens's Point VFW Boat Ramp	6/21/2017	10:15	63	27	4
<u>Pepper Creek</u>	IR51: Pepper Creek, Creekside	6/27/2017	10:20	63	19	5
<u>Vines Creek</u>	IR38: Vines Lane	6/27/2017	8:15	120	19	5
Little Assawoman Bay						

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Watershed		Last Sample Date	Time	Last Sample (Colonies per 100 mL)	Geometric mean (Colonies per 100 mL)	Sample Total
<u>Tributary</u>	Site: Name					
Tidal water sites				EPA Tidal Water Standards for Swimming	104	35
Little Assawoman Bay						
<u>Dirickson Creek</u>	LA03: Mulberry Landing	6/27/2017	6:34	5	7	5
<u>Dirickson Creek</u>	LA09: Dirickson Creek at Road 381 bridge.	6/27/2017	7:20	132	71	5
<u>Dirickson Creek</u>	LA29: Upper Dirickson Creek @ Rt20	6/27/2017	5:58	657	171	5
<u>Jefferson Creek</u>	SB01: Anchorage Canal @ Rt 1	6/27/2017	7:51	173	125	5
<u>Jefferson Creek</u>	SB04: Petherton canal/rt1	6/27/2017	7:44	98	133	5
<u>Jefferson Creek</u>	SB06: Brandywine Canal	6/27/2017	7:39	187	52	5
<u>Jefferson Creek</u>	SB07: Layton Canal, South Bethany	6/27/2017	8:00	10	17	5
<u>Little Assawoman Bay</u>	LA46: Fenwick Island Tide Gauge	6/27/2017	10:49	10	16	5
<u>Little Assawoman Bay</u>	LA48: W. Georgetown St. Canal - Fenwick	6/27/2017	8:24	10	12	5
<u>Little Assawoman Bay</u>	RWPMXIV: Fenwick, Coastal Kayak Boat Rental	6/21/2017	9:55	85	25	4
Rehoboth Bay						
<u>Guinea Creek</u>	RB06: Guinea Creek (Winding Creek Village)	6/26/2017	7:33	933	579	5
<u>Guinea Creek</u>	RB06A: Guinea Creek @ Rd 298 Bridge	6/26/2017	7:59	2,755	688	4
<u>Herring Creek</u>	RB90: Burton Prong	6/26/2017	8:55	631	175	5
<u>Lewes-Rehoboth Canal</u>	RB08A: Lewes Canal Front Park - Kayak Launch	6/27/2017	9:40	63	Insufficient data	2
<u>Love Creek</u>	RB34: Love Creek at Rt 24 Bridge	6/27/2017	11:13	63	44	5
<u>Love Creek</u>	RB80: Upper Love Creek at Webb Landing	6/12/2017	7:10	110	47	3
<u>Rehoboth Bay</u>	RB16M: Rusty Rudder Pier Middle	6/21/2017	9:00	75	12	4
<u>Rehoboth Bay</u>	RWPMV: Tower Road Bayside	6/21/2017	9:10	722	39	4
<u>Rehoboth Bay</u>	RWPMX: Savage Ditch Boat Ramp	6/21/2017	9:25	121	29	4
<u>Rehoboth Bay</u>	RWPMXV: Massey's Landing Boat Ramp	6/21/2017	11:30	5	7	4

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