

Bacteria Report - Total Enterococcus

Sampling Period 4/1/18 - 7/19/18

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.

Watershed		Last Sample Date	Time	Last Sample (Colonies per 100 mL)	Geometric mean (Colonies per 100 mL)	Sample Total
<u>Tributary</u>	Site: Name					
Fresh water sites		EPA Fresh Water Standards for Swimming		185	100	
Broadkill River						
<u>Beaverdam Creek</u>	BR55: Beaverdam Creek at Road 88	7/11/2018	10:50	520	120	6
<u>Diamond Pond</u>	BR48: Diamond Pond at Spillway	7/11/2018	6:50	5	14	6
<u>Red Mill Pond</u>	BR54: Red Mill Pond outlet at Rt 1	7/11/2018	11:30	10	19	5
<u>Wagamon's Pond</u>	BR44: Wagamon's Pond on Northern Shoreline, Milton	7/11/2018	9:30	203	873	4
Little Assawoman Bay						
<u>Dirickson Pond</u>	LA38: The Hamlet at Dirickson Pond	7/10/2018	8:00	20	8	6
Rehoboth Bay						
<u>Guinea Creek</u>	RB10: Guinea Creek above golf course	7/10/2018	9:36	189	313	6
Rehoboth Beach						
<u>Lake Gerar</u>	RL10: Lake Gerar bridge	7/18/2018	6:00	485	67	4
<u>Lake Gerar</u>	RL11: Lake Gerar, outlet to ocean	7/18/2018	6:05	1,522	309	4
<u>Silver Lake</u>	RL01: Silver Lake, Lake Drive Bridge	7/18/2018	6:30	369	127	4
<u>Silver Lake</u>	RL04: Silver Lake, outlet to ocean	7/18/2018	6:20	464	210	4
Tidal water sites		EPA Tidal Water Standards for Swimming		104	35	
Broadkill River						
<u>Broadkill River</u>	BR01: Broadkill river @ PEL dock.	7/11/2018	9:19	10	13	6
<u>Broadkill River</u>	BR20: Broadkill River at Milton tidal pond	7/11/2018	7:10	171	60	6
<u>Canary Creek</u>	BR19: Canary Creek at New Road	7/11/2018	12:01	2,282	1053	5
<u>Canary Creek</u>	BR40: Canary Creek at Pilottown Rd	7/11/2018	6:46	10	7	5
<u>Old Mill Creek</u>	BR21: Old Mill Creek downstream from Red Mill Pond	7/11/2018	10:20	638	229	6
Delaware Bay						
<u>Delaware Bay</u>	DB01: End of Cape Shores pier	7/17/2018	7:08	20	8	6
Indian River						
<u>Indian River</u>	IR02a: Rosedale crabbing pier	7/10/2018	11:48	41	98	6
<u>Indian River</u>	IR03: Oak Orchard	7/10/2018	8:00	31	62	6
<u>Indian River</u>	IR11: Pot Nets Seaside Pier	7/10/2018	12:20	5	9	6
<u>Indian River</u>	IR24: Iron Branch - County road 331 at bridge	7/10/2018	11:30	601	829	6
<u>Indian River</u>	IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore	7/10/2018	7:25	41	43	6
<u>Indian River</u>	RWPMVII: Holt's Landing Boat Ramp	6/19/2018	7:20	41	67	3
<u>Indian River</u>	RWPMXII: North IRI Boat Ramp	6/19/2018	6:25	5	8	3
<u>Indian River</u>	RWPMXVI: Rosedale Beach Boat Ramp	6/19/2018	8:00	74	113	3
<u>Indian River</u>	RWPMXXV: Quillens's Point VFW Boat Ramp	6/19/2018	7:00	31	109	3
<u>Pepper Creek</u>	IR51: Pepper Creek, Creekside	7/10/2018	11:00	175	113	6
<u>Vines Creek</u>	IR38: Vines Lane	7/10/2018	8:00	31	58	6
<u>White Creek</u>	IR32: Holly Terrace Acres Canal Dead End, White Creek	7/9/2018	8:42	63	Insufficient data	2
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

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Little Assawoman Bay

<u>Dirickson Creek</u>	LA03: Mulberry Landing	7/9/2018	7:04	10	39	6
<u>Dirickson Creek</u>	LA09: Dirickson Creek at Road 381 bridge.	7/9/2018	7:50	97	395	6
<u>Dirickson Creek</u>	LA29: Upper Dirickson Creek @ Rt20	7/9/2018	6:28	794	704	6
<u>Jefferson Creek</u>	SB01: Anchorage Canal @ Rt 1	7/10/2018	7:45	161	177	6
<u>Jefferson Creek</u>	SB04: Petherton canal/rt1	7/10/2018	8:05	298	142	6
<u>Jefferson Creek</u>	SB06: Brandywine Canal	7/10/2018	8:15	292	152	6
<u>Jefferson Creek</u>	SB07: Layton Canal, South Bethany	7/10/2018	7:25	31	41	6
<u>Little Assawoman Bay</u>	LA46: Fenwick Island Tide Gauge	7/10/2018	8:00	5	14	6
<u>Little Assawoman Bay</u>	LA48: W. Georgetown St. Canal - Fenwick	7/10/2018	9:30	5	17	6
<u>Little Assawoman Bay</u>	RWPMXIV: Fenwick, Coastal Kayak Boat Rental	6/19/2018	6:40	10	40	3

Rehoboth Bay

<u>Guinea Creek</u>	RB06: Guinea Creek (Winding Creek Village)	7/10/2018	9:00	52	229	6
<u>Guinea Creek</u>	RB06A: Guinea Creek @ Rd 298 Bridge	7/10/2018	9:21	609	954	6
<u>Herring Creek</u>	RB90: Burton Prong	7/9/2018	8:40	472	328	6
<u>Lewes-Rehoboth Canal</u>	RB08A: Lewes Canal Front Park - Kayak Launch	7/11/2018	12:13	5	13	5
<u>Love Creek</u>	RB34: Love Creek at Rt 24 Bridge	7/9/2018	8:34	233	149	6
<u>Rehoboth Bay</u>	RB16M: Rusty Rudder Pier Middle	6/19/2018	5:57	97	142	3
<u>Rehoboth Bay</u>	RWPMV: Tower Road Bayside	6/19/2018	6:03	452	320	3
<u>Rehoboth Bay</u>	RWPMX: Savage Ditch Boat Ramp	6/19/2018	6:15	1,233	100	3
<u>Rehoboth Bay</u>	RWPMXV: Massey's Landing Boat Ramp	6/19/2018	8:30	5	12	3

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