

Bacteria Report - Total Enterococcus

Sampling Period 4/1/16 - 7/7/16

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	Site: Name	Last Sample Date	Time	Last Sample (Colonies per 100 mL)	Geometric mean (Colonies per 100 mL)	Sample Total
Fresh water sites				EPA Fresh Water Standards for Swimming	185	100
Broadkill River						
<u>Diamond Pond</u>	BR48: Diamond Pond at Spillway	6/22/2016	7:05	175	127	5
<u>Red Mill Pond</u>	BR54: Red Mill Pond outlet at Rt 1	6/22/2016	12:05	95	Insufficient data	2
Dirickson Pond						
<u>Dirickson Pond</u>	LA38: The Hamlet at Dirickson Pond	6/21/2016	9:40	5	13	4
Rehoboth Bay						
<u>Guinea Creek</u>	RB10: Guinea Creek above golf course	6/21/2016	8:10	4,160	429	5
Tidal water sites				EPA Tidal Water Standards for Swimming	104	35
Broadkill River						
<u>Broadkill River</u>	BR01: Broadkill river @ PEL dock.	6/22/2016	8:55	20	18	5
<u>Broadkill River</u>	BR20: Broadkill River at Milton tidal pond	6/22/2016	6:45	331	276	5
<u>Old Mill Creek</u>	BR21: Old Mill Creek downstream from Red Mill Pond	6/22/2016	11:45	1,223	150	5
<u>Prime Hook Creek</u>	BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters	6/22/2016	11:15	691	98	5
Delaware Bay						
<u>Canary Creek</u>	BR40: Canary Creek at Pilottown Rd	6/22/2016	6:56	3,255	68	5
<u>Delaware Bay</u>	DB01: End of Cape Shores pier	6/28/2016	8:14	20	7	4
Indian River						
<u>Indian River</u>	IR11: Pot Nets Seaside Pier	6/21/2016	9:50	5	6	5
<u>Indian River</u>	IR24: Iron Branch - County road 331 at bridge	6/21/2016	10:40	98	175	5
<u>Indian River</u>	IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore	6/21/2016	7:25	5	15	5
<u>Pepper Creek</u>	IR51: Pepper Creek, Creekside	6/21/2016	6:55	63	Insufficient data	2
<u>Vines Creek</u>	IR38: Vines Lane	6/21/2016	8:30	41	89	5
Little Assawoman Bay						
<u>Dirickson Creek</u>	LA03: Mulberry Landing	6/6/2016	7:17	52	13	4
<u>Dirickson Creek</u>	LA09: Dirickson Creek at Road 381 bridge.	6/22/2016	7:23	2,142	472	5
<u>Dirickson Creek</u>	LA29: Upper Dirickson Creek @ Rt20	6/22/2016	6:31	5,172	252	5
<u>Jefferson Creek</u>	SB01: Anchorage Canal @ Rt 1	6/21/2016	7:44	148	99	5
<u>Jefferson Creek</u>	SB04: Petherton canal/rt1	6/21/2016	7:38	156	82	5
<u>Jefferson Creek</u>	SB06: Brandywine Canal	6/21/2016	7:34	98	109	5
<u>Jefferson Creek</u>	SB07: Layton Canal, South Bethany	6/21/2016	7:16	20	14	5
<u>Little Assawoman Bay</u>	LA46: Fenwick Island Tide Gauge	6/21/2016	10:13	10	9	5
<u>Little Assawoman Bay</u>	LA48: W. Georgetown St. Canal - Fenwick	6/21/2016	10:33	10	15	5
Rehoboth Bay						
<u>Guinea Creek</u>	RB06: Guinea Creek (Winding Creek Village)	6/21/2016	7:39	1,467	779	5
<u>Guinea Creek</u>	RB06A: Guinea Creek @ Rd 298 Bridge	6/21/2016	8:00	2,282	901	5

Please note that this report is for general information only. The Inland Bays and Broadkill River are under a permanent advisory for recreational contact, in particular after heavy rains.

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	
Rehoboth Bay								
<u>Herring Creek</u>	RB90: Burton Prong			6/21/2016	8:30	1,153	416	5
<u>Love Creek</u>	RB34: Love Creek at Rt 24 Bridge			6/21/2016	9:00	481	50	5

Please note that this report is for general information only. The Inland Bays and Broadkill River are under a permanent advisory for recreational contact, in particular after heavy rains.