

Bacteria Report - Total Enterococcus

Sampling Period 04/01/19 - 08/30/19

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>Beaverdam Creek</u> | BR55: Beaverdam Creek at Road 88 | 8/21/2019 | 10:50 | 988 | 379 | 9 |
| <u>Diamond Pond</u> | BR48: Diamond Pond at Spillway | 8/21/2019 | 7:15 | 63 | 11 | 9 |
| <u>Red Mill Pond</u> | BR54: Red Mill Pond outlet at Rt 1 | 8/21/2019 | 11:45 | 110 | 29 | 8 |
| <u>Wagamon's Pond</u> | BR44: Wagamon's Pond on Northern Shoreline, Milton | 8/22/2019 | 10:00 | 496 | 780 | 7 |
| Little Assawoman Bay | | | | | | |
| <u>Dirickson Pond</u> | LA38: The Hamlet at Dirickson Pond | 8/20/2019 | 8:00 | 830 | 29 | 8 |
| Rehoboth Bay | | | | | | |
| <u>Guinea Creek</u> | RB10: Guinea Creek above golf course | 8/19/2019 | 7:53 | 1,850 | 591 | 9 |
| Tidal water sites | | EPA Tidal Water Standards for Swimming | | 104 | 35 | |
| Broadkill River | | | | | | |
| <u>Broadkill River</u> | BR01: Broadkill river @ PEL dock. | 8/21/2019 | 8:45 | 10 | 19 | 9 |
| <u>Broadkill River</u> | BR20: Broadkill River at Milton tidal pond | 8/21/2019 | 6:32 | 109 | 71 | 9 |
| <u>Canary Creek</u> | BR19: Canary Creek at New Road | 8/27/2019 | 10:40 | 161 | 334 | 8 |
| <u>Canary Creek</u> | BR40: Canary Creek at Pilottown Rd | 8/27/2019 | 6:42 | 10 | 32 | 9 |
| <u>Old Mill Creek</u> | BR21: Old Mill Creek downstream from Red Mill Pond | 8/21/2019 | 10:30 | 1,046 | 482 | 9 |
| Delaware Bay | | | | | | |
| <u>Delaware Bay</u> | DB01: End of Cape Shores pier | 8/27/2019 | 9:10 | 5 | 6 | 11 |
| Indian River | | | | | | |
| <u>Indian River</u> | IR02a: Rosedale crabbing pier | 8/19/2019 | 9:05 | 10 | 18 | 9 |
| <u>Indian River</u> | IR03: Oak Orchard | 8/19/2019 | 8:45 | 63 | 91 | 9 |
| <u>Indian River</u> | IR11: Pot Nets Seaside Pier | 8/19/2019 | 9:48 | 5 | 8 | 9 |
| <u>Indian River</u> | IR24: Iron Branch - County road 331 at bridge | 8/19/2019 | 8:38 | 1,989 | 2061 | 7 |
| <u>Indian River</u> | IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore | 8/20/2019 | 7:30 | 426 | 62 | 9 |
| <u>Indian River</u> | RWPMVII: Holt's Landing Boat Ramp | 8/27/2019 | 7:20 | 933 | 59 | 5 |
| <u>Indian River</u> | RWPMXII: North IRI Boat Ramp | 8/27/2019 | 6:35 | 960 | 142 | 5 |
| <u>Indian River</u> | RWPMXVI: Rosedale Beach Boat Ramp | 8/27/2019 | 7:57 | 109 | 50 | 5 |
| <u>Indian River</u> | RWPMXXV: Quillens's Point VFW Boat Ramp | 6/25/2019 | 9:15 | 84 | Insufficient data | 1 |
| <u>Pepper Creek</u> | IR51: Pepper Creek, Creekside | 8/20/2019 | 8:30 | 246 | 170 | 9 |
| <u>Vines Creek</u> | IR38: Vines Lane | 8/20/2019 | 8:00 | 201 | 170 | 10 |
| <u>White Creek</u> | IR32: Holly Terrace Acres Canal Dead End, White Creek | 8/5/2019 | 8:32 | 10 | Insufficient data | 1 |
| Little Assawoman Bay | | | | | | |
| <u>Dirickson Creek</u> | LA03: Mulberry Landing | 8/20/2019 | 6:48 | 2,755 | 41 | 9 |
| <u>Dirickson Creek</u> | LA09: Dirickson Creek at Road 381 bridge. | 8/20/2019 | 7:58 | 25,000 | 1197 | 9 |
| <u>Dirickson Creek</u> | LA29: Upper Dirickson Creek @ Rt20 | 8/20/2019 | 8:20 | 11,199 | 2145 | 9 |
| <u>Jefferson Creek</u> | SB01: Anchorage Canal @ Rt 1 | 8/20/2019 | 7:46 | 556 | 431 | 9 |
| <u>Jefferson Creek</u> | SB04: Petherton canal/rt1 | 8/20/2019 | 7:35 | 233 | 446 | 9 |

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.

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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>Jefferson Creek</u> | SB06: Brandywine Canal | 8/20/2019 | 7:40 | 30 | 181 | 9 |
| <u>Jefferson Creek</u> | SB07: Layton Canal, South Bethany | 8/20/2019 | 7:19 | 10 | 54 | 9 |
| <u>Little Assawoman Bay</u> | LA46: Fenwick Island Tide Gauge | 8/20/2019 | 7:15 | 2,063 | 53 | 9 |
| <u>Little Assawoman Bay</u> | LA48: W. Georgetown St. Canal - Fenwick | 8/20/2019 | 8:25 | 135 | 24 | 9 |
| <u>Little Assawoman Bay</u> | RWPMXIV: Fenwick, Coastal Kayak Boat Rental | 8/6/2019 | 7:18 | 85 | 34 | 4 |
| Rehoboth Bay | | | | | | |
| <u>Guinea Creek</u> | RB06: Guinea Creek (Winding Creek Village) | 8/19/2019 | 7:24 | 448 | 254 | 9 |
| <u>Guinea Creek</u> | RB06A: Guinea Creek @ Rd 298 Bridge | 8/19/2019 | 7:42 | 3,255 | 1959 | 9 |
| <u>Herring Creek</u> | RB90: Burton Prong | 8/19/2019 | 9:30 | 450 | 447 | 9 |
| <u>Lewes-Rehoboth Canal</u> | RB08A: Lewes Canal Front Park - Kayak Launch | 8/27/2019 | 11:20 | 98 | 26 | 7 |
| <u>Love Creek</u> | RB34: Love Creek at Rt 24 Bridge | 8/27/2019 | 10:05 | 231 | 140 | 9 |
| <u>Rehoboth Bay</u> | RB16M: Rusty Rudder Pier Middle | 8/27/2019 | 6:12 | 601 | 331 | 5 |
| <u>Rehoboth Bay</u> | RWPMV: Tower Road Bayside | 8/27/2019 | 6:18 | 305 | 357 | 5 |
| <u>Rehoboth Bay</u> | RWPMX: Savage Ditch Boat Ramp | 8/27/2019 | 6:27 | 712 | 220 | 5 |
| <u>Rehoboth Bay</u> | RWPMXV: Massey's Landing Boat Ramp | 8/27/2019 | 8:14 | 20 | 11 | 5 |

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