

# Bacteria Report - Total Enterococcus

Sampling Period: 4/1/21 - 8/28/21

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>            | <u>Site: Name</u>  |   |       |                                   |                                      |              |
| <b>Fresh water sites</b>    |  | <b>EPA Fresh Water Standards for Swimming</b> |       | <b>185</b>                        | <b>100</b>                           |              |
| <b>Broadkill River</b>      |  |   |       |                                   |                                      |              |
| <u>Beaverdam Creek</u>      | BR55: Beaverdam Creek at Road 88   | 8/25/2021                                     | 10:12 | 933                               | 280                                  | 9            |
| <u>Diamond Pond</u>         | BR48: Diamond Pond at Spillway   | 8/25/2021                                     | 8:30  | 5                                 | 10                                   | 9            |
| <u>Red Mill Pond</u>        | BR54: Red Mill Pond outlet at Rt 1   | 8/25/2021                                     | 11:08 | 5                                 | 13                                   | 9            |
| <u>Wagamon's Pond</u>       | BR44: Wagamon's Pond on Northern Shoreline, Milton                         | 8/25/2021                                     | 12:00 | 2,400                             | 3734                                 | 8            |
| <b>Little Assawoman Bay</b> |  |   |       |                                   |                                      |              |
| <u>Dirickson Pond</u>       | LA38: The Hamlet at Dirickson Pond   | 8/24/2021                                     | 8:05  | 5                                 | 7                                    | 9            |
| <b>Rehoboth Bay</b>         |  |   |       |                                   |                                      |              |
| <u>Guinea Creek</u>         | RB10: Guinea Creek above golf course                                       | 8/23/2021                                     | 8:00  | 1,153                             | 536                                  | 8            |
| <b>Rehoboth Beach</b>       |  |   |       |                                   |                                      |              |
| <u>Lake Gerar</u>           | RL10: Lake Gerar bridge  | 8/17/2021                                     | 11:00 | 86                                | 55                                   | 3            |
| <u>Lake Gerar</u>           | RL11: Lake Gerar, outlet to ocean  | 8/17/2021                                     | 10:50 | 120                               | 189                                  | 4            |
| <u>Silver Lake</u>          | RL01: Silver Lake, Lake Drive Bridge                                       | 8/17/2021                                     | 10:27 | 52                                | 22                                   | 3            |
| <u>Silver Lake</u>          | RL04: Silver Lake, outlet to ocean   | 8/17/2021                                     | 10:38 | 52                                | 57                                   | 4            |
| <b>Tidal water sites</b>    |  | <b>EPA Tidal Water Standards for Swimming</b> |       | <b>104</b>                        | <b>35</b>                            |              |
| <b>Broadkill River</b>      |  |   |       |                                   |                                      |              |
| <u>Broadkill River</u>      | BR01: Broadkill river @ PEL dock   | 8/25/2021                                     | 8:45  | 31                                | 10                                   | 10           |
| <u>Broadkill River</u>      | BR20: Broadkill River at Milton tidal pond                                 | 8/25/2021                                     | 6:47  | 135                               | 126                                  | 9            |
| <u>Canary Creek</u>         | BR19: Canary Creek at New Road   | 8/25/2021                                     | 9:55  | 1,376                             | 239                                  | 9            |
| <u>Canary Creek</u>         | BR40: Canary Creek at Pilottown Rd.  | 8/25/2021                                     | 10:13 | 5                                 | 8                                    | 8            |
| <u>Wagamon's Pond</u>       | BR41: Wagamon's Pond Outlet  | 8/25/2021                                     | 10:42 | 10                                | Insufficient data                    | 1            |
| <b>Delaware Bay</b>         |  |   |       |                                   |                                      |              |
| <u>Delaware Bay</u>         | DB01: End of Cape Shores pier  | 7/27/2021                                     | 8:45  | 5                                 | 7                                    | 7            |
| <b>Indian River</b>         |  |   |       |                                   |                                      |              |
| <u>Indian River</u>         | IR02A: Rosedale crabbing pier  | 8/9/2021                                      | 10:20 | 187                               | 32                                   | 8            |
| <u>Indian River</u>         | IR03: Oak Orchard  | 8/23/2021                                     | 9:30  | 187                               | 67                                   | 9            |
| <u>Indian River</u>         | IR11: Pot Nets Seaside Pier  | 8/23/2021                                     | 10:40 | 10                                | 8                                    | 9            |
| <u>Indian River</u>         | IR26a: Peterson's pier, Possum Point                                       | 8/9/2021                                      | 10:50 | 134                               | 150                                  | 8            |
| <u>Indian River</u>         | IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore       | 8/24/2021                                     | 8:44  | 75                                | 26                                   | 9            |
| <u>Indian River</u>         | IR39: North side of Inlet at Wheelchair fishing platform under new bridge. | 4/13/2021                                     | 10:57 | 5                                 | Insufficient data                    | 1            |
| <u>Indian River</u>         | RWPMVII: Holt's Landing Boat Ramp  | 8/18/2021                                     | 6:42  | 74                                | 72                                   | 6            |
| <u>Indian River</u>         | RWPMXII: North IRI Boat Ramp   | 8/18/2021                                     | 6:15  | 52                                | 130                                  | 6            |
| <u>Indian River</u>         | RWPMXVI: Rosedale Beach Boat Ramp  | 8/18/2021                                     | 7:00  | 72                                | 102                                  | 6            |
| <u>Indian River</u>         | RWPMXXV: Quillens's Point VFW Boat Ramp                                    | 6/9/2021                                      | 7:08  | 62                                | Insufficient data                    | 1            |
| <u>Pepper Creek</u>         | IR51: Pepper Creek, Creekside  | 8/24/2021                                     | 8:00  | 173                               | 113                                  | 10           |

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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>                | <u>Site: Name</u>   |                  |       |                                   |                                      |              |
| <b><u>Tidal water sites</u></b> |   |                  |       | <b><u>104</u></b>                 | <b><u>35</u></b>                     |              |
| <b>Indian River</b>             |   |                  |       |                                   |                                      |              |
| <u>Vines Creek</u>              | IR38: Vines Lane  | 8/24/2021        | 8:30  | 84                                | 48                                   | 9            |
| <b>Little Assawoman Bay</b>     |   |                  |       |                                   |                                      |              |
| <u>Assawoman Canal</u>          | LA10: Assawoman Canal S end, Kent Ave Bridge                                      | 8/16/2021        | 9:00  | 98                                | 99                                   | 6            |
| <u>Dirickson Creek</u>          | LA03: Mulberry Landing  | 8/23/2021        | 9:13  | 84                                | 16                                   | 9            |
| <u>Dirickson Creek</u>          | LA09: Dirickson Creek at Road 381 bridge.   | 8/23/2021        | 8:45  | 1,989                             | 516                                  | 9            |
| <u>Jefferson Creek</u>          | SB01: Anchorage Canal @ Rt 1  | 8/24/2021        | 7:38  | 315                               | 94                                   | 9            |
| <u>Jefferson Creek</u>          | SB04: Petherton canal at Rt1  | 8/24/2021        | 7:32  | 185                               | 100                                  | 9            |
| <u>Jefferson Creek</u>          | SB06: Brandywine Canal  | 8/24/2021        | 7:27  | 373                               | 96                                   | 9            |
| <u>Jefferson Creek</u>          | SB07: Layton Canal, South Bethany   | 8/24/2021        | 7:13  | 703                               | 25                                   | 9            |
| <u>Little Assawoman Bay</u>     | LA42: Narrows Beach, off of Rt. 1 south of South Bethany knee deep wading sample. | 8/23/2021        | 7:52  | 63                                | 13                                   | 7            |
| <u>Little Assawoman Bay</u>     | LA46: Fenwick Island Tide Gauge   | 8/24/2021        | 7:30  | 10                                | 11                                   | 9            |
| <u>Little Assawoman Bay</u>     | LA48: W. Georgetown St. Canal - Fenwick   | 8/24/2021        | 9:20  | 5                                 | 7                                    | 9            |
| <u>Little Assawoman Bay</u>     | RWPMXIV: Fenwick, Coastal Kayak Boat Rental                                       | 8/16/2021        | 8:32  | 5                                 | 19                                   | 6            |
| <b>Rehoboth Bay</b>             |   |                  |       |                                   |                                      |              |
| <u>Guinea Creek</u>             | RB06: Guinea Creek (Winding Creek Village)  | 8/23/2021        | 7:30  | 4,611                             | 891                                  | 9            |
| <u>Guinea Creek</u>             | RB06A: Guinea Creek @ Rd 298 Bridge   | 8/23/2021        | 7:47  | 3,873                             | 1592                                 | 9            |
| <u>Herring Creek</u>            | RB90: Burton Prong  | 8/23/2021        | 8:50  | 1,439                             | 415                                  | 9            |
| <u>Lewes - Rehoboth Canal</u>   | RB08: Lewes City Dock   | 8/18/2021        | 10:10 | 109                               | Insufficient data                    | 1            |
| <u>Lewes-Rehoboth Canal</u>     | RB08A: Lewes Canal Front Park - Kayak Launch                                      | 8/18/2021        | 10:05 | 63                                | Insufficient data                    | 1            |
| <u>Lewes-Rehoboth Canal</u>     | RB95: Lewes-Rehob Canal at Freeman Hwy Bridge, south bank                         | 8/18/2021        | 10:20 | 41                                | Insufficient data                    | 1            |
| <u>Lewes-Rehoboth Canal</u>     | RB96: Lewes Rehob Canal at Anglers Marina Boat ramp                               | 8/18/2021        | 10:31 | 52                                | Insufficient data                    | 1            |
| <u>Love Creek</u>               | RB34: Love Creek at Rt 24 Bridge  | 8/10/2021        | 10:05 | 7,701                             | 148                                  | 8            |
| <u>Rehoboth Bay</u>             | RB16E: Rusty Rudder Pier End  | 8/18/2021        | 5:50  | 63                                | 16                                   | 6            |
| <u>Rehoboth Bay</u>             | RB16M: Rusty Rudder Pier Middle   | 8/4/2021         | 9:45  | 63                                | 256                                  | 5            |
| <u>Rehoboth Bay</u>             | RB38: Joy Beach-bay   | 6/15/2021        | 10:40 | 10                                | Insufficient data                    | 1            |
| <u>Rehoboth Bay</u>             | RB44: Camp Arrowhead (camp pier)  | 8/10/2021        | 9:10  | 52                                | 14                                   | 6            |
| <u>Rehoboth Bay</u>             | RWPMV: Tower Road Bayside   | 8/18/2021        | 6:00  | 160                               | 254                                  | 5            |
| <u>Rehoboth Bay</u>             | RWPMX: Savage Ditch Kayak Ramp  | 8/18/2021        | 6:10  | 121                               | 127                                  | 6            |
| <u>Rehoboth Bay</u>             | RWPMXV: Massey's Landing Boat Ramp  | 8/18/2021        | 7:20  | 41                                | 176                                  | 6            |

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