

# Bacteria Report - Total Enterococcus All data 5/04/2009 - 8/7/2009

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.

| <b>Water Body<br/>Tributary<br/>Site</b>  | <b>Last<br/>Sample<br/>Date</b> | <b>Time</b> | <b>Last Sample:<br/>Total Colonies<br/>per 100 mL</b> | <b>May 4 to Present<br/>Geometric mean: Total<br/>Colonies per 100 mL</b> | <b>Sample<br/>Count</b> |
|---|---------------------------------|-------------|---|---|-------------------------|
| <b>Fresh water sites ----- standards for swimming ----- 185 ----- 100 -----</b> |                                 |             |   |   |                         |
| <b>Broadkill River</b>  |                                 |             |   |   |                         |
| <u>Diamond Pond</u>   |                                 |             |   |   |                         |
| BR48: Diamond Pond  | 7/30/2009                       | 11:15       | 10  | 11  | 6                       |
| <u>Ingram Branch</u>  |                                 |             |   |   |                         |
| BR06: Ingram Ditch at the intersection of Rds 212 and 231.                      | 7/30/2009                       | 11:35       | 520   | 282   | 6                       |
| BR10: Ingram Branch at Rt 319   | 7/30/2009                       | 10:00       | 1,119   | 863   | 6                       |
| <u>Prime Hook Creek</u>   |                                 |             |   |   |                         |
| BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters                      | 7/30/2009                       | 11:55       | 288   | 200   | 6                       |
| <b>Wagamon's Pond</b>   |                                 |             |   |   |                         |
| BR44: Wagamon's Pond, Milton  | 7/16/2009                       | 9:45        | 1,153   | 70  | 4                       |
| <b>Tidal water sites----- standards for swimming -----104 ----- 35 -----</b>    |                                 |             |   |   |                         |
| <b>Assawoman Bay</b>  |                                 |             |   |   |                         |
| <u>Roy Creek</u>  |                                 |             |   |   |                         |
| BA01: Keenwick on Bay, Roy Creek  | 7/28/2009                       | 8:30        | 97  | 20  | 6                       |
| <b>Broadkill River</b>  |                                 |             |   |   |                         |
| BR01: Broadkill river @ PEL dock.   | 7/29/2009                       | 9:00        | 63  | 28  | 6                       |
| BR20: Broadkill River at Milton tidal pond                                      | 7/29/2009                       | 10:10       | 41  | 56  | 6                       |
| <u>Old Mill Creek</u>   |                                 |             |   |   |                         |
| BR21: Old Mill Creek downstream from Red Mill Pond                              | 7/30/2009                       | 12:20       | 97  | 126   | 5                       |
| <b>Delaware Bay</b>   |                                 |             |   |   |                         |
| DB01: End of Cape Shores pier   | 7/29/2009                       | 11:02       | 5   | 13  | 6                       |
| <u>Canary Creek</u>   |                                 |             |   |   |                         |
| BR19: Canary Creek at New Road  | 7/29/2009                       | 14:10       | 134   | 272   | 5                       |

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**University of Delaware Citizen Monitoring Program**

| Water Body<br>Tributary<br>Site | Last<br>Sample<br>Date | Time | Last Sample:<br>Total Colonies<br>per 100 mL | May 4 to Present<br>Geometric mean: Total<br>Colonies per 100 mL | Sample<br>Count |
|---------------------------------|------------------------|------|--|--|-----------------|
|---------------------------------|------------------------|------|--|--|-----------------|

Tidal water sites----- standards for swimming -----104 ----- 35 -----

**Delaware Bay**

Canary Creek

|                                    |           |      |    |    |   |
|------------------------------------|-----------|------|----|----|---|
| BR40: Canary Creek at Pilottown Rd | 7/29/2009 | 9:45 | 63 | 15 | 6 |
|------------------------------------|-----------|------|----|----|---|

**Indian River**

Indian River

|                   |           |      |    |                   |   |
|-------------------|-----------|------|----|-------------------|---|
| IR03: Yellow Bank | 7/13/2009 | 6:27 | 41 | Insufficient data | 2 |
|-------------------|-----------|------|----|-------------------|---|

|                    |           |      |    |    |   |
|--------------------|-----------|------|----|----|---|
| IR04: Warwick Cove | 7/27/2009 | 9:30 | 52 | 22 | 6 |
|--------------------|-----------|------|----|----|---|

|                             |           |       |   |   |   |
|-----------------------------|-----------|-------|---|---|---|
| IR11: Pot Nets Seaside Pier | 7/27/2009 | 11:00 | 5 | 6 | 6 |
|-----------------------------|-----------|-------|---|---|---|

|                  |           |      |    |    |   |
|------------------|-----------|------|----|----|---|
| IR20: Bay Colony | 7/28/2009 | 8:15 | 10 | 19 | 5 |
|------------------|-----------|------|----|----|---|

|   |           |      |    |    |   |
|---|-----------|------|----|----|---|
| IR21: Entrance to Boat House Pond, Indian River Bay | 7/27/2009 | 7:50 | 41 | 18 | 6 |
|---|-----------|------|----|----|---|

|                                  |           |      |   |   |   |
|----------------------------------|-----------|------|---|---|---|
| IR36B: James Farm, Pasture Point | 7/28/2009 | 8:45 | 5 | 7 | 5 |
|----------------------------------|-----------|------|---|---|---|

Vines Creek

|                  |           |      |     |    |   |
|------------------|-----------|------|-----|----|---|
| IR38: Vines Lane | 7/28/2009 | 7:30 | 109 | 47 | 6 |
|------------------|-----------|------|-----|----|---|

White Creek

|   |           |       |    |     |   |
|---|-----------|-------|----|-----|---|
| IR32: Holly Terrace Acres Canal Dead End, White Creek | 7/28/2009 | 10:25 | 20 | 251 | 5 |
|---|-----------|-------|----|-----|---|

**Little Assawoman Bay**

|                              |           |      |    |     |   |
|------------------------------|-----------|------|----|-----|---|
| LA45: Fenwick Island Bayside | 7/28/2009 | 8:05 | 97 | 124 | 5 |
|------------------------------|-----------|------|----|-----|---|

Assawoman Canal

|   |           |      |       |     |   |
|---|-----------|------|-------|-----|---|
| LA10: Assawoman Canal @ Kent Ave Bridge | 7/27/2009 | 7:15 | 2,247 | 489 | 6 |
|---|-----------|------|-------|-----|---|

Dirickson Creek

|                        |           |      |    |    |   |
|------------------------|-----------|------|----|----|---|
| LA03: Mulberry Landing | 7/27/2009 | 8:35 | 20 | 21 | 5 |
|------------------------|-----------|------|----|----|---|

|   |           |      |     |     |   |
|---|-----------|------|-----|-----|---|
| LA09: Dirickson Creek at Road 381 bridge. | 7/27/2009 | 9:10 | 455 | 328 | 6 |
|---|-----------|------|-----|-----|---|

Jefferson Creek

|                              |           |      |     |     |   |
|------------------------------|-----------|------|-----|-----|---|
| SB01: Anchorage Canal @ Rt 1 | 7/28/2009 | 7:45 | 812 | 418 | 6 |
|------------------------------|-----------|------|-----|-----|---|

|                           |           |      |     |     |   |
|---------------------------|-----------|------|-----|-----|---|
| SB04: Petherton canal/rt1 | 7/28/2009 | 7:36 | 974 | 218 | 6 |
|---------------------------|-----------|------|-----|-----|---|

|                                   |           |      |     |    |   |
|-----------------------------------|-----------|------|-----|----|---|
| SB07: Layton Canal, South Bethany | 7/28/2009 | 7:09 | 678 | 37 | 6 |
|-----------------------------------|-----------|------|-----|----|---|

**Rehoboth Bay**

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|---------------------------------|------------------------|------|--|--|-----------------|
|---------------------------------|------------------------|------|--|--|-----------------|

Tidal water sites----- standards for swimming -----104 ----- 35 -----

**Rehoboth Bay**

|                      |           |       |    |    |   |
|----------------------|-----------|-------|----|----|---|
| ML: Massey's Landing | 7/27/2009 | 11:20 | 5  | 6  | 6 |
| RB07: West Bay Park  | 7/28/2009 | 8:30  | 20 | 20 | 6 |

Guinea Creek

|  |           |       |       |     |   |
|--|-----------|-------|-------|-----|---|
| RB05: Mouth of Guinea Creek (Pot Nets Creekside) | 7/27/2009 | 11:43 | 62    | 28  | 6 |
| RB06: Guinea Creek (Winding Creek Village)       | 7/27/2009 | 7:30  | 1,236 | 203 | 6 |

Herring Creek

|                                  |           |      |     |     |   |
|----------------------------------|-----------|------|-----|-----|---|
| RB04: Herring Creek, Mid-Section | 7/28/2009 | 7:45 | 158 | 195 | 3 |
|----------------------------------|-----------|------|-----|-----|---|

Lewes - Rehoboth Canal

|                                       |           |      |    |                   |   |
|---------------------------------------|-----------|------|----|-------------------|---|
| RB02: Lewes - Rehoboth Canal at Lewes | 7/14/2009 | 8:35 | 10 | 17                | 5 |
| RB08: Lewes City Dock                 | 7/29/2009 | 7:22 | 31 | Insufficient data | 1 |

Love Creek

|                                  |           |      |     |     |   |
|----------------------------------|-----------|------|-----|-----|---|
| RB34: Love Creek at Rt 24 Bridge | 7/27/2009 | 8:40 | 209 | 138 | 6 |
|----------------------------------|-----------|------|-----|-----|---|

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