

# Low Dissolved Oxygen

Less than 5.0 ppm

All data between 8/8/2008 and 8/21/2008

University of Delaware Citizen Monitoring Program

| Water Body | Tributary Site | Date | Time | Dissolved Oxygen |              | Aquatic Vegetation |           |
|------------|----------------|------|------|------------------|--------------|--------------------|-----------|
|            |                |      |      | ppm              | % Saturation | On Shore?          | In Water? |

## Broadkill River

### Diamond Pond

BR48: Diamond Pond

|           |       |     |     |      |       |
|-----------|-------|-----|-----|------|-------|
| 8/13/2008 | 10:48 | 4.4 | 53% | None | Major |
|-----------|-------|-----|-----|------|-------|

### Old Mill Creek

BR21: Old Mill Creek downstream from Red Mill Pond

|           |      |     |     |      |      |
|-----------|------|-----|-----|------|------|
| 8/10/2008 | 8:20 | 1.6 | 20% | None | None |
|-----------|------|-----|-----|------|------|

### Prime Hook Creek

BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters

|           |       |     |     |      |       |
|-----------|-------|-----|-----|------|-------|
| 8/10/2008 | 10:30 | 4.4 |     | None | None  |
| 8/13/2008 | 11:52 | 4.2 | 51% | None | Minor |
| 8/17/2008 | 10:30 | 3.6 |     | None | None  |

## Delaware Bay

### Canary Creek

BR19: Canary Creek at New Road

|           |      |     |     |      |      |
|-----------|------|-----|-----|------|------|
| 8/8/2008  | 8:35 | 1.4 | 21% | None | None |
| 8/13/2008 | 9:00 | 1.8 | 24% | None | None |

## Indian River

IR03: Yellow Bank

|           |      |     |     |       |       |
|-----------|------|-----|-----|-------|-------|
| 8/10/2008 | 7:36 | 4.0 | 57% | Minor | Major |
|-----------|------|-----|-----|-------|-------|

### Assawoman Canal

IR50: Assawoman Canal at N end, marina dock

|           |      |     |     |      |      |
|-----------|------|-----|-----|------|------|
| 8/11/2008 | 9:08 | 3.3 | 46% | None | None |
|-----------|------|-----|-----|------|------|

### Bethany Loop Canal

IR62: Loop Canal, Pa Ave terminus, Bethany Beach

|           |      |     |     |      |      |
|-----------|------|-----|-----|------|------|
| 8/11/2008 | 8:38 | 1.8 | 22% | None | None |
| 8/19/2008 | 8:36 | 1.1 | 14% | None | None |

IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.

|           |      |     |     |      |       |
|-----------|------|-----|-----|------|-------|
| 8/19/2008 | 8:45 | 1.5 | 22% | None | Minor |
|-----------|------|-----|-----|------|-------|

### Indian River

IR20: Bay Colony

|           |      |     |     |      |      |
|-----------|------|-----|-----|------|------|
| 8/11/2008 | 8:15 | 2.9 | 40% | None | None |
| 8/18/2008 | 8:10 | 3.4 | 47% | None | None |

IR21: Entrance to Boat House Pond, Indian River Bay

|           |      |     |     |      |      |
|-----------|------|-----|-----|------|------|
| 8/11/2008 | 7:25 | 3.4 | 47% | None | None |
| 8/18/2008 | 6:30 | 3.2 | 45% | None | None |

### Vines Creek

IR38: Vines Lane

|           |      |     |     |      |      |
|-----------|------|-----|-----|------|------|
| 8/12/2008 | 7:25 | 4.7 | 64% | None | None |
| 8/19/2008 | 8:00 | 4.3 | 59% | None | None |

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Aquatic vegetation comments: "None" - none seen; "Minor" - bands up to 10 feet wide; "Major" - bands greater than 10 ' wide.

### University of Delaware Citizen Monitoring Program

| Water Body | Tributary | Site | Date | Time | Dissolved Oxygen<br>ppm | % Saturation | Aquatic Vegetation<br>On Shore? | In Water? |
|------------|-----------|------|------|------|-------------------------|--------------|---------------------------------|-----------|
|------------|-----------|------|------|------|-------------------------|--------------|---------------------------------|-----------|

**Indian River**

White Creek

|                                                       |           |      |     |     |      |      |
|-------------------------------------------------------|-----------|------|-----|-----|------|------|
| IR29: Holly Terrace Acres Canal, White Creek          | 8/13/2008 | 7:30 | 4.3 | 61% | None | None |
|                                                       | 8/20/2008 | 7:30 | 4.1 | 58% | None | None |
| IR32: Holly Terrace Acres Canal Dead End, White Creek | 8/12/2008 | 9:42 | 4.4 | 63% | None | None |
| IR59: White Creek - west prong near Food Lion         | 8/11/2008 | 9:30 | 4.8 | 61% | None | None |
| IR60A: Ocean View; E Branch of White Creek            | 8/11/2008 | 9:17 | 3.8 | 47% | None | None |

**Little Assawoman Bay**

Assawoman Canal

|                                         |           |      |     |     |      |      |
|-----------------------------------------|-----------|------|-----|-----|------|------|
| LA10: Assawoman Canal @ Kent Ave Bridge | 8/11/2008 | 8:15 | 3.2 | 40% | None | None |
|-----------------------------------------|-----------|------|-----|-----|------|------|

Dirickson Creek

|                                                      |           |      |     |     |      |      |
|------------------------------------------------------|-----------|------|-----|-----|------|------|
| LA03: Mulberry Landing                               | 8/11/2008 | 8:27 | 3.7 | 50% | None | None |
| LA09: Dirickson Creek at Road 381 bridge.            | 8/19/2008 | 8:39 | 3.9 | 53% | None | None |
| LA20: Swann Keys: boat ramp at S end of Blue Teal Rd | 8/12/2008 | 8:45 | 2.3 | 31% | None | None |

Jefferson Creek

|                                              |           |      |     |     |      |      |
|----------------------------------------------|-----------|------|-----|-----|------|------|
| SB01: Anchorage Canal @ Rt 1                 | 8/19/2008 | 9:50 | 4.4 | 61% | None | None |
| SB02: Anchorage Canal near elbow             | 8/12/2008 | 8:00 | 4.1 | 57% | None | None |
|                                              | 8/19/2008 | 8:00 | 4.5 | 63% | None | None |
| SB04: Petherton canal/rt1                    | 8/12/2008 | 7:34 | 2.2 | 27% | None | None |
| SB07: Layton Canal, South Bethany            | 8/11/2008 | 6:12 | 2.7 | 37% | None | None |
|                                              | 8/18/2008 | 6:45 | 4.4 | 61% | None | None |
| SB09: Carlisle canal                         | 8/12/2008 | 8:16 | 3.0 | 41% | None | None |
| SB10W: Russell Canal west dead end           | 8/12/2008 | 9:08 | 3.3 | 46% | None | None |
| SB12: Jefferson Canal West side @ tidal gage | 8/12/2008 | 8:00 | 4.6 | 65% | None | None |
|                                              | 8/20/2008 | 7:50 | 4.7 | 66% | None | None |

Miller Creek

|                                                     |           |      |     |     |      |      |
|-----------------------------------------------------|-----------|------|-----|-----|------|------|
| LA31: Double Bridges road bridge at Plantation Park | 8/12/2008 | 8:30 | 2.3 | 30% | None | None |
|-----------------------------------------------------|-----------|------|-----|-----|------|------|

Williams Creek

|                                                   |           |      |     |     |      |      |
|---------------------------------------------------|-----------|------|-----|-----|------|------|
| LA21: Williams Creek tributary, bridge on Rd 364a | 8/11/2008 | 8:52 | 1.8 | 23% | None | None |
|---------------------------------------------------|-----------|------|-----|-----|------|------|

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| Water Body                  | Tributary                     | Site                                              | Date      | Time | Dissolved Oxygen<br>ppm | % Saturation | Aquatic Vegetation<br>On Shore? | In Water? |      |      |
|-----------------------------|-------------------------------|---------------------------------------------------|-----------|------|-------------------------|--------------|---------------------------------|-----------|------|------|
| <b>Little Assawoman Bay</b> |                               |                                                   |           |      |                         |              |                                 |           |      |      |
|                             | <u>Williams Creek</u>         |                                                   |           |      |                         |              |                                 |           |      |      |
|                             |                               | LA21: Williams Creek tributary, bridge on Rd 364a |           |      |                         |              |                                 |           |      |      |
|                             |                               |                                                   | 8/19/2008 | 8:17 | 1.4                     | Surfc        | 18%                             | None      | None |      |
|                             |                               |                                                   | 8/19/2008 | 8:20 | 0.2                     | 0.4 m        | 3%                              | None      | None |      |
| <b>Rehoboth Bay</b>         |                               |                                                   |           |      |                         |              |                                 |           |      |      |
|                             |                               | RB07: West Bay Park                               |           |      |                         |              |                                 |           |      |      |
|                             |                               |                                                   | 8/12/2008 | 8:30 |                         |              | 4.2                             | 57%       | None | None |
|                             |                               |                                                   | 8/19/2008 | 7:45 |                         |              | 3.9                             | 57%       | None | None |
|                             | <u>Arnell Creek</u>           |                                                   |           |      |                         |              |                                 |           |      |      |
|                             |                               | AC2S: DNREC Site, Arnell Creek, surface sample    |           |      |                         |              |                                 |           |      |      |
|                             |                               |                                                   | 8/21/2008 | 9:55 |                         |              | 3.6                             | 49%       | None | None |
|                             | <u>Bald Eagle Creek</u>       |                                                   |           |      |                         |              |                                 |           |      |      |
|                             |                               | RB69: Torquay Canal DNREC site. TC1               |           |      |                         |              |                                 |           |      |      |
|                             |                               |                                                   | 8/21/2008 | 9:20 |                         |              | 4.3                             | 62%       | None | None |
|                             | <u>Guinea Creek</u>           |                                                   |           |      |                         |              |                                 |           |      |      |
|                             |                               | RB06: Guinea Creek (Winding Creek Village)        |           |      |                         |              |                                 |           |      |      |
|                             |                               |                                                   | 8/11/2008 | 9:00 |                         |              | 4.7                             | 66%       | None | None |
|                             |                               |                                                   | 8/18/2008 | 7:30 |                         |              | 3.6                             | 49%       | None | None |
|                             | <u>Lewes - Rehoboth Canal</u> |                                                   |           |      |                         |              |                                 |           |      |      |
|                             |                               | RB02: Lewes - Rehoboth Canal at Lewes             |           |      |                         |              |                                 |           |      |      |
|                             |                               |                                                   | 8/19/2008 | 8:25 |                         |              | 4.7                             | 66%       | None | None |

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