

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 9/5/2008 and 10/3/2008

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

| | | | | | |
|-----------|-------|-----|-----|-------|-------|
| 9/10/2008 | 10:47 | 3.2 | 38% | Minor | Major |
|-----------|-------|-----|-----|-------|-------|

Old Mill Creek

BR21: Old Mill Creek downstream from Red Mill Pond

| | | | | | |
|-----------|-------|-----|-----|------|------|
| 9/5/2008 | 7:30 | 0.8 | 10% | None | None |
| 9/10/2008 | 12:37 | 3.7 | 44% | None | None |
| 9/14/2008 | 7:15 | 1.1 | 14% | None | None |
| 9/27/2008 | 8:20 | 1.4 | 18% | None | None |

Prime Hook Creek

BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters

| | | | | | |
|-----------|-------|-----|--|------|------|
| 9/7/2008 | 10:15 | 3.6 | | None | None |
| 9/14/2008 | 10:00 | 4.2 | | None | None |
| 9/28/2008 | 10:30 | 4.6 | | None | None |

Delaware Bay

Canary Creek

BR19: Canary Creek at New Road

| | | | | | |
|-----------|-------|-----|-----|------|------|
| 9/12/2008 | 8:54 | 2.2 | 28% | None | None |
| 9/24/2008 | 10:52 | 3.5 | 44% | None | None |

Indian River

IR03: Yellow Bank

| | | | | | |
|-----------|------|-----|-----|-------|-------|
| 9/7/2008 | 9:02 | 4.1 | 57% | Minor | Major |
| 9/28/2008 | 8:55 | 4.7 | 61% | None | None |

IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive

| | | | | | |
|-----------|-------|-----|-----|------|------|
| 9/29/2008 | 10:01 | 4.5 | 61% | None | None |
|-----------|-------|-----|-----|------|------|

Indian River

IR11: Pot Nets Seaside Pier

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/15/2008 | 9:00 | 4.5 | 66% | None | None |
|-----------|------|-----|-----|------|------|

IR20: Bay Colony

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/8/2008 | 8:30 | 3.0 | 41% | None | None |
| 9/16/2008 | 7:55 | 4.0 | 54% | None | None |

IR21: Entrance to Boat House Pond, Indian River Bay

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/8/2008 | 7:30 | 4.2 | 59% | None | None |
| 9/15/2008 | 7:45 | 4.2 | 61% | None | None |
| 9/22/2008 | 7:10 | 4.6 | 57% | None | None |
| 9/29/2008 | 7:40 | 4.6 | 62% | None | None |

Vines Creek

IR38: Vines Lane

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/30/2008 | 8:00 | 4.1 | 53% | None | None |
|-----------|------|-----|-----|------|------|

The state instantaneous standard for Dissolved Oxygen is: the minimum shall not fall below 4.0 ppm.

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 ppm | % Saturation | Aquatic Vegetation On Shore? | In Water? |
|------------|-----------|------|------|------|-------------------------|--------------|---------------------------------|-----------|
|------------|-----------|------|------|------|-------------------------|--------------|---------------------------------|-----------|

Indian River

White Creek

IR29: Holly Terrace Acres Canal, White Creek

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/10/2008 | 7:30 | 3.7 | 51% | None | None |
| 9/17/2008 | 7:30 | 3.3 | 44% | None | None |

Little Assawoman Bay

LA43: Fenwick Island Lagoon

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/9/2008 | 8:36 | 3.7 | 53% | None | None |
| 9/16/2008 | 8:20 | 4.4 | 64% | None | None |

LA44: Fenwick Island Cove

| | | | | | |
|----------|------|-----|-----|------|------|
| 9/9/2008 | 7:30 | 4.7 | 66% | None | None |
|----------|------|-----|-----|------|------|

LA45: Fenwick Island Bayside

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/9/2008 | 8:03 | 4.3 | 62% | None | None |
| 9/16/2008 | 7:55 | 4.9 | 68% | None | None |

Assawoman Canal

LA10: Assawoman Canal @ Kent Ave Bridge

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/8/2008 | 8:15 | 3.1 | 43% | None | None |
| 9/22/2008 | 8:15 | 4.9 | 64% | None | None |

Dirickson Creek

LA09: Dirickson Creek at Road 381 bridge.

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/8/2008 | 9:26 | 3.4 | 44% | None | None |
| 9/22/2008 | 9:30 | 3.7 | 47% | None | None |

LA20: Swann Keys: boat ramp at S end of Blue Teal Rd

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/9/2008 | 9:24 | 2.6 | 37% | None | None |
| 9/23/2008 | 8:55 | 4.4 | 58% | None | None |

Jefferson Creek

SB01: Anchorage Canal @ Rt 1

| | | | | | |
|-----------|-------|-----|-----|------|------|
| 9/9/2008 | 9:30 | 4.4 | 64% | None | None |
| 9/16/2008 | 11:00 | 4.0 | 56% | None | None |

SB02: Anchorage Canal near elbow

| | | | | | |
|----------|------|-----|-----|------|------|
| 9/9/2008 | 8:00 | 4.0 | 56% | None | None |
|----------|------|-----|-----|------|------|

SB04: Petherton canal/rt1

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/16/2008 | 8:05 | 4.2 | 55% | None | None |
| 9/23/2008 | 7:32 | 4.2 | 56% | None | None |

SB09: Carlisle canal

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/9/2008 | 8:00 | 3.8 | 54% | None | None |
| 9/16/2008 | 7:30 | 2.6 | 35% | None | None |

SB10W: Russell Canal west dead end

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/9/2008 | 9:15 | 3.8 | 55% | None | None |
| 9/16/2008 | 8:45 | 2.4 | 34% | None | None |
| 9/23/2008 | 8:30 | 4.1 | 54% | None | None |

SB12: Jefferson Canal West side @ tidal gage

| | | | | | |
|----------|------|-----|-----|------|------|
| 9/9/2008 | 7:00 | 4.1 | 58% | None | None |
|----------|------|-----|-----|------|------|

Williams Creek

LA21: Williams Creek tributary, bridge on Rd 364a

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/22/2008 | 9:13 | 1.4 | 17% | 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.

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| Water Body | Tributary | Site | Date | Time | Dissolved Oxygen ppm | % Saturation | Aquatic Vegetation On Shore? | In Water? |
|--|-----------|------|-----------|-------|-------------------------|--------------|---------------------------------|-----------|
| Rehoboth Bay | | | | | | | | |
| <u>Guinea Creek</u> | | | | | | | | |
| RB05: Mouth of Guinea Creek (Pot Nets Creekside) | | | | | | | | |
| | | | 9/10/2008 | 9:35 | 4.2 | 56% | None | None |
| RB06: Guinea Creek (Winding Creek Village) | | | | | | | | |
| | | | 9/15/2008 | 7:15 | 4.3 | 57% | None | None |
| <u>Lewes - Rehoboth Canal</u> | | | | | | | | |
| RB02: Lewes - Rehoboth Canal at Lewes | | | | | | | | |
| | | | 9/8/2008 | 8:30 | 4.2 | 59% | None | None |
| RB03: Lewes - Rehoboth Canal at Harbor View Road | | | | | | | | |
| | | | 9/5/2008 | 9:11 | 3.0 | 46% | None | None |
| | | | 9/12/2008 | 10:58 | 4.2 | 61% | None | None |
| | | | 9/19/2008 | 15:40 | 4.9 | 70% | None | None |

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