

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 8/14/2014 and 8/29/2014

University of Delaware Citizen Monitoring Program

| Water Body | Tributary | Site | Date | Time | Dissolved Oxygen | | Aquatic Vegetation | |
|-----------------------------|-----------|--|-------|------|------------------|--------------|--------------------|-----------|
| | | | | | ppm | % Saturation | On Shore? | In Water? |
| Broadkill River | | | | | | | | |
| | | <u>Deep Hole Creek</u> | | | | | | |
| | | BR13: 2707 S. Bayshore Drive | | | | | | |
| | | 8/22/2014 | 10:00 | 3.1 | 43% | None | None | |
| | | <u>Old Mill Creek</u> | | | | | | |
| | | BR21: Old Mill Creek downstream from Red Mill Pond | | | | | | |
| | | 8/16/2014 | 8:10 | 3.4 | 40% | None | None | |
| | | 8/28/2014 | 8:30 | 2.0 | 25% | None | None | |
| Indian River | | | | | | | | |
| | | <u>Assawoman Canal</u> | | | | | | |
| | | IR50: Assawoman Canal at N end, Ocean View Marina | | | | | | |
| | | 8/19/2014 | 7:30 | 4.6 | 65% | None | None | |
| | | <u>Bethany Loop Canal</u> | | | | | | |
| | | IR62: Loop Canal, Pa Ave terminus, Bethany Beach | | | | | | |
| | | 8/18/2014 | 7:45 | 3.5 | 50% | None | None | |
| | | <u>Indian River</u> | | | | | | |
| | | IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive | | | | | | |
| | | 8/21/2014 | 8:28 | 3.8 | 55% | Minor | None | |
| | | IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore | | | | | | |
| | | 8/18/2014 | 8:04 | 4.8 | 67% | None | None | |
| | | <u>Pepper Creek</u> | | | | | | |
| | | IR51: Pepper Creek, Creekside | | | | | | |
| | | 8/23/2014 | 8:10 | 4.2 | 59% | None | None | |
| | | <u>Salt Pond</u> | | | | | | |
| | | IR73: Western edge of Salt Pond | | | | | | |
| | | 8/17/2014 | 7:45 | 2.0 | 27% | None | None | |
| | | <u>Vines Creek</u> | | | | | | |
| | | IR38: Vines Lane | | | | | | |
| | | 8/19/2014 | 7:50 | 4.0 | 55% | None | None | |
| | | <u>White Creek</u> | | | | | | |
| | | IR29: Holly Terrace Acres Canal, White Creek | | | | | | |
| | | 8/21/2014 | 7:00 | 3.2 | 46% | None | None | |
| | | 8/27/2014 | 7:00 | 4.1 | 57% | None | None | |
| | | IR32: Holly Terrace Acres Canal Dead End, White Creek | | | | | | |
| | | 8/18/2014 | 9:00 | 4.0 | 57% | None | None | |
| | | 8/25/2014 | 8:40 | 3.0 | 42% | None | None | |
| Little Assawoman Bay | | | | | | | | |
| | | LA02B: North of Fenwick Island | | | | | | |
| | | 8/14/2014 | 7:35 | 4.4 | 61% | None | None | |
| | | 8/28/2014 | 7:35 | 4.8 | 68% | 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 | | Aquatic Vegetation | |
|-----------------------------|-----------|---|------|------|------------------|--------------|--------------------|-----------|
| | | | | | ppm | % Saturation | On Shore? | In Water? |
| Little Assawoman Bay | | | | | | | | |
| <u>Assawoman Canal</u> | | | | | | | | |
| | | LA10: Assawoman Canal S end, Kent Ave Bridge | | | | | | |
| | | 8/18/2014 | 7:20 | 2.8 | 38% | None | None | |
| <u>Dirickson Creek</u> | | | | | | | | |
| | | LA03: Mulberry Landing | | | | | | |
| | | 8/18/2014 | 7:33 | 4.9 | 70% | None | None | |
| | | LA09: Dirickson Creek at Road 381 bridge. | | | | | | |
| | | 8/18/2014 | 8:07 | 4.4 | 60% | None | None | |
| | | LA19B: Mid Dirickson Creek off Swann Keys | | | | | | |
| | | 8/14/2014 | 7:45 | 4.5 | 62% | None | None | |
| | | 8/28/2014 | 7:46 | 4.3 | 59% | None | None | |
| <u>Jefferson Creek</u> | | | | | | | | |
| | | JC08B: SB, Jefferson Creek Basin between Assawoman canal extensions, access by boat only. | | | | | | |
| | | 8/14/2014 | 7:00 | 4.3 | 60% | None | None | |
| | | 8/28/2014 | 7:05 | 4.9 | 69% | None | None | |
| | | SB01: Anchorage Canal @ Rt 1 | | | | | | |
| | | 8/19/2014 | 7:49 | 1.3 | 18% | None | None | |
| | | 8/26/2014 | 7:42 | 0.6 | 9% | None | None | |
| | | SB02: Anchorage Canal near elbow | | | | | | |
| | | 8/18/2014 | 7:59 | 3.7 | 52% | None | None | |
| | | 8/26/2014 | 7:49 | 4.4 | 62% | None | None | |
| | | SB04: Petherton canal/rt1 | | | | | | |
| | | 8/19/2014 | 7:44 | 3.1 | 44% | None | None | |
| | | 8/26/2014 | 7:37 | 3.0 | 42% | None | None | |
| | | SB05: Petherton canal, between lots 156 and 162 | | | | | | |
| | | 8/19/2014 | 7:32 | 4.2 | 58% | None | None | |
| | | 8/26/2014 | 7:27 | 4.2 | 57% | None | None | |
| | | SB06: Brandywine Canal | | | | | | |
| | | 8/19/2014 | 7:40 | 2.4 | 33% | None | None | |
| | | 8/26/2014 | 7:34 | 4.0 | 55% | None | None | |
| | | SB07: Layton Canal, South Bethany | | | | | | |
| | | 8/19/2014 | 7:22 | 4.4 | 62% | None | None | |
| | | 8/26/2014 | 7:18 | 4.7 | 63% | None | None | |
| | | SB09: Carlisle canal | | | | | | |
| | | 8/19/2014 | 7:18 | 0.8 | 11% | None | None | |
| | | 8/26/2014 | 7:10 | 1.5 | 21% | None | None | |
| | | SB10E: Russell Canal east dead end | | | | | | |
| | | 8/19/2014 | 8:04 | 0.8 | 11% | None | None | |
| | | 8/26/2014 | 7:53 | 0.0 | 0% | None | None | |
| | | SB10W: Russell Canal west dead end | | | | | | |
| | | 8/19/2014 | 8:19 | 0.6 | 8% | None | None | |
| | | 8/26/2014 | 8:10 | 0.0 | 0% | None | None | |
| | | SB12: Jefferson Canal West side @ tidal gage | | | | | | |
| | | 8/26/2014 | 8:03 | 3.9 | 53% | None | None | |

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|--|-----------|------|-----------|------|------------------|--------------|--------------------|-----------|
| | | | | | ppm | % Saturation | On Shore? | In Water? |
| Rehoboth Bay | | | | | | | | |
| <u>Bald Eagle Creek</u> | | | | | | | | |
| RB64: Torquay Canal, west side of Land's End near UD Site #1 | | | | | | | | |
| | | | 8/18/2014 | 8:10 | 3.4 | 48% | None | None |
| | | | 8/25/2014 | 7:30 | 0.8 | 11% | None | None |
| <u>Guinea Creek</u> | | | | | | | | |
| RB06: Guinea Creek (Winding Creek Village) | | | | | | | | |
| | | | 8/18/2014 | 8:30 | 4.8 | 65% | None | None |
| RB06B: Guinea Creek (Winding Village) by Boat | | | | | | | | |
| | | | 8/14/2014 | 7:36 | 2.7 | 38% | None | None |
| RB76B: Herring Creek at Rehoboth Bay | | | | | | | | |
| | | | 8/14/2014 | 8:30 | 4.1 | 57% | None | None |
| <u>Herring Creek</u> | | | | | | | | |
| RB75B: Junction of Guinea and Herring Creeks | | | | | | | | |
| | | | 8/14/2014 | 7:46 | 4.3 | 59% | None | None |
| RB90: Burton Prong | | | | | | | | |
| | | | 8/18/2014 | 8:50 | 4.6 | 58% | None | None |
| | | | 8/24/2014 | 9:30 | 4.6 | 54% | None | None |
| <u>Love Creek</u> | | | | | | | | |
| RB34: Love Creek at Rt 24 Bridge | | | | | | | | |
| | | | 8/18/2014 | 8:33 | 4.8 | 63% | None | None |
| RB80B: Upper Love Creek at Webb Landing by boat | | | | | | | | |
| | | | 8/18/2014 | 9:15 | 4.8 | 62% | None | None |
| RB87B: Upper Love Creek, Upstream of Webb Landing | | | | | | | | |
| | | | 8/18/2014 | 9:06 | 4.9 | 63% | None | None |
| RLC1W: shellfish site, mouth of Love Creek. | | | | | | | | |
| | | | 8/14/2014 | 8:23 | 3.9 | 54% | None | None |

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