

# Low Dissolved Oxygen

Less than 5.0 ppm

All data between 8/5/2015 and 8/20/2015

University of Delaware Citizen Monitoring Program

Water Body	Tributary	Site	Date	Time	Dissolved Oxygen ppm	% Saturation	Aquatic Vegetation On Shore?	In Water?
<b>Broadkill River</b>								
<u>Broadkill River</u>								
		BR01: Broadkill river @ PEL dock.	8/5/2015	8:50	3.2	46%	None	None
<u>Deep Hole Creek</u>								
		BR13: 2707 S. Bayshore Drive	8/7/2015	7:30	2.6	35%	None	None
<u>Old Mill Creek</u>								
		BR21: Old Mill Creek downstream from Red Mill Pond	8/12/2015	11:20	2.6	34%	None	None
<u>Prime Hook Creek</u>								
		BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters	8/16/2015	11:20	4.3	55%	None	None
<b>Delaware Bay</b>								
<u>Canary Creek</u>								
		BR40: Canary Creek at Pilottown Rd	8/5/2015	9:09	3.2	46%	None	None
<b>Indian River</b>								
<u>Assawoman Canal</u>								
		IR50: Assawoman Canal at N end, Ocean View Marina	8/6/2015	8:55	2.5	37%	None	None
			8/14/2015	8:40	4.0	57%	None	None
<u>Indian River</u>								
		IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive	8/5/2015	8:30	3.0	43%	None	None
			8/19/2015	8:00	3.5	52%	Minor	None
		IR24: Iron Branch - County road 331 at bridge	8/10/2015	9:25	2.8	36%	None	None
			8/12/2015	11:50	3.3	44%	None	None
		IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore	8/11/2015	7:40	3.0	41%	None	None
<u>Salt Pond</u>								
		IR73: Western edge of Salt Pond	8/5/2015	7:45	1.5	22%	None	None
			8/16/2015	7:45	2.5	36%	None	None
<u>Vines Creek</u>								
		IR38: Vines Lane	8/18/2015	7:30	4.4	59%	None	None
<u>White Creek</u>								
		IR29: Holly Terrace Acres Canal, White Creek	8/10/2015	7:05	2.9	42%	None	None
			8/17/2015	7:05	1.3	19%	None	None
		IR32: Holly Terrace Acres Canal Dead End, White Creek	8/10/2015	7:00	2.8	40%	None	None
			8/17/2015	7:00	0.6	9%	None	None
<b>Little Assawoman Bay</b>								
<u>Dirickson Creek</u>								
		LA03: Mulberry Landing	8/17/2015	7:01	4.5	63%	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.

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

**Little Assawoman Bay**

Dirickson Creek

LA09: Dirickson Creek at Road 381 bridge.

8/17/2015 7:32 3.0 40% None None

LA29: Upper Dirickson Creek @ Rt20

8/10/2015 6:20 4.9 56% None None

8/17/2015 6:12 4.9 56% None None

Jefferson Creek

SB01: Anchorage Canal @ Rt 1

8/11/2015 7:45 2.0 27% None None

8/18/2015 7:48 2.8 40% None None

SB02: Anchorage Canal near elbow

8/11/2015 7:54 4.8 65% None None

8/18/2015 7:22 4.3 62% None None

SB04: Petheron canal/rt1

8/18/2015 7:44 2.8 40% None None

SB05: Petheron canal, between lots 156 and 162

8/11/2015 7:28 4.6 65% None None

8/18/2015 7:30 5.0 72% None None

SB06: Brandywine Canal

8/18/2015 7:40 2.7 38% None None

SB07: Layton Canal, South Bethany

8/18/2015 7:57 4.5 65% None None

SB09: Carlisle canal

8/11/2015 7:03 2.1 30% None None

8/18/2015 8:04 2.6 37% None None

SB10E: Russell Canal east dead end

8/18/2015 7:18 4.4 65% None None

SB10W: Russell Canal west dead end

8/11/2015 8:16 4.6 64% None None

SB12: Jefferson Canal West side @ tidal gage

8/11/2015 8:08 4.8 67% None None

8/18/2015 7:03 3.9 56% None None

Little Assawoman Bay

LA46: Fenwick Island Tide Gauge

8/11/2015 8:55 4.9 69% None None

LA48: W. Georgetown St. Canal - Fenwick

8/11/2015 7:50 4.9 68% None None

8/18/2015 7:50 3.1 44% None None

**Rehoboth Bay**

Bald Eagle Creek

RB64: Torquay Canal, west side of Land's End near UD Site #1

8/10/2015 9:15 1.6 24% None None

8/17/2015 9:25 2.7 40% None None

Guinea Creek

RB06: Guinea Creek (Winding Creek Village)

8/17/2015 8:00 3.2 43% None None

Herring Creek

RB90: Burton Prong

8/10/2015 9:10 4.2 59% None None

Love Creek

RB34: Love Creek at Rt 24 Bridge

8/11/2015 10:30 4.7 62% None None

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