

# Low Dissolved Oxygen

Less than 5.0 ppm

All data between 5/26/2011 and 6/16/2011

University of Delaware Citizen Monitoring Program

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

## Broadkill River

BR20: Broadkill River at Milton tidal pond  
 6/1/2011 6:10 4.9 62% None Minor

### Old Mill Creek

BR21: Old Mill Creek downstream from Red Mill Pond  
 5/30/2011 8:15 1.9 24% None None  
 6/5/2011 8:20 2.5 30% None None

### Prime Hook Creek

BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters  
 5/31/2011 8:30 1.7 None None  
 6/5/2011 9:00 1.1 None None  
 6/8/2011 11:58 3.3 47% None None  
 6/12/2011 8:30 1.6 None None

## Delaware Bay

### Canary Creek

BR19: Canary Creek at New Road  
 5/26/2011 10:17 2.6 34% None None  
 6/9/2011 14:15 2.8 40% None None  
 BR40: Canary Creek at Pilottown Rd  
 6/8/2011 9:00 3.8 51% None None

## Indian River

### Assawoman Canal

IR50: Assawoman Canal at N end, marina dock  
 6/7/2011 7:59 4.6 None None

### Bethany Loop Canal

IR62: Loop Canal, Pa Ave terminus, Bethany Beach  
 6/6/2011 8:00 2.4 34% None None

### Indian River

IR07: Holt's Landing State Park  
 5/31/2011 7:30 4.5 65% None None  
 IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive  
 5/29/2011 9:00 4.9 69% None None  
 IR20: Bay Colony  
 5/31/2011 8:00 4.8 70% None None  
 6/6/2011 7:55 3.5 47% None None

### Pepper Creek

IR51: Pepper Creek, Creekside  
 5/31/2011 8:00 3.3 49% None None  
 6/6/2011 8:15 4.8 61% None None  
 6/14/2011 8:20 3.9 54% 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?
<b>Indian River</b>								
<u>Salt Pond</u>								
IR73: Western edge of Salt Pond								
			5/29/2011	7:45	4.0	56%	Minor	None
			6/5/2011	7:45	3.1	41%	Minor	None
			6/11/2011	7:45	3.0	43%	None	None
<u>Vines Creek</u>								
IR38: Vines Lane								
			5/30/2011	7:00	4.2	60%	None	None
			6/7/2011	7:05	4.6	63%	None	None
			6/14/2011	8:00	3.8	54%	None	None
<u>White Creek</u>								
IR29: Holly Terrace Acres Canal, White Creek								
			6/1/2011	8:00	3.1	46%	None	None
			6/8/2011	7:30	4.0	56%	None	None
IR32: Holly Terrace Acres Canal Dead End, White Creek								
			5/31/2011	8:20	2.7	40%	None	None
			6/6/2011	9:05	2.9	39%	None	None
			6/13/2011	8:15	3.1	45%	None	None
<b>Little Assawoman Bay</b>								
LA43: Fenwick Island Lagoon								
			6/7/2011	8:50	4.2	59%	None	None
			6/14/2011	8:35	4.1	58%	None	None
LA44: Fenwick Island Cove								
			5/31/2011	7:30	4.2	62%	None	None
			6/7/2011	7:35	4.8	67%	None	None
			6/14/2011	7:35	4.7	67%	None	None
LA45: Fenwick Island Bayside								
			5/31/2011	8:10	4.3	58%	None	None
			6/7/2011	8:15	4.2	58%	None	None
			6/14/2011	8:05	4.6	65%	None	None
LA48: Fenwick Island, W. Georgetown St.								
			5/26/2011	7:10	4.0		None	None
			5/27/2011	8:50	3.8	54%	None	None
<u>Assawoman Canal</u>								
LA10: Assawoman Canal @ Kent Ave Bridge								
			6/6/2011	7:40	3.9	52%	None	None
<u>Dirickson Creek</u>								
LA19B: Mid Dirickson Creek off Swann Keys								
			6/15/2011	7:40	4.8	65%	None	None
<u>Jefferson Creek</u>								
SB01: Anchorage Canal @ Rt 1								
			5/31/2011	7:33	2.3	34%	None	Minor
			6/7/2011	7:34	3.3	46%	Minor	None
			6/14/2011	7:38	1.0	15%	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?
------------	-----------	------	------	------	-------------------------	--------------	---------------------------------	-----------

**Little Assawoman Bay**

Jefferson Creek

SB02: Anchorage Canal near elbow								
			6/7/2011	7:53	4.5	62%	None	None
			6/14/2011	7:45	3.8	52%	None	None
SB04: Petherton canal/rt1								
			5/31/2011	7:28	0.1	1%	Minor	Major
			6/7/2011	7:25	3.3	46%	Minor	Minor
			6/14/2011	7:34	1.3	19%	Minor	Minor
SB05: Petherton canal, between lots 156 and 162								
			6/14/2011	7:20	3.5	50%	None	None
SB07: Layton Canal, South Bethany								
			5/31/2011	7:13	3.1	45%	None	None
			6/7/2011	7:07	4.8	66%	None	None
			6/14/2011	7:11	3.5	51%	None	None
SB09: Carlisle canal								
			5/31/2011	7:00	1.1	16%	Minor	Minor
			6/7/2011	6:52	1.6	22%	None	None
			6/14/2011	7:01	1.1	16%	None	None
SB10E: Russell Canal east dead end								
			5/31/2011	7:54	1.6	24%	None	None
			6/7/2011	7:59	3.1	43%	None	None
			6/14/2011	8:05	0.4	6%	None	None
SB10W: Russell Canal west dead end								
			5/31/2011	8:07	2.0	29%	Minor	Minor
			6/7/2011	8:15	2.6	36%	None	None
			6/14/2011	7:51	0.1	1%	None	None
SB12: Jefferson Canal West side @ tidal gage								
			5/31/2011	8:02	2.8	41%	None	None
			6/14/2011	7:59	3.8	55%	None	None

**Rehoboth Bay**

Bald Eagle Creek

RB64: Torquay Canal, west side of Land's End near UD Site #1								
			5/31/2011	8:38	4.8	70%	None	None
			6/6/2011	8:28	2.3	31%	None	None
			6/13/2011	8:00	3.8	56%	None	None

Guinea Creek

RB05: Mouth of Guinea Creek (Pot Nets Creekside)								
			6/6/2011	11:35	4.9	68%	Minor	Minor
			6/15/2011	6:40	4.1	56%	None	None
RB06: Guinea Creek (Winding Creek Village)								
			5/31/2011	7:30	4.4	64%	None	None
			6/6/2011	8:30	3.5	47%	None	None
			6/14/2011	7:45	3.7	50%	None	None
RB06A: Guinea Creek @ Rd 298 Bridge								
			6/6/2011	9:57	3.4	41%	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?
<b>Rehoboth Bay</b>								
<u>Guinea Creek</u>								
		RB06B: Guinea Creek (Winding Village) by Boat						
			6/16/2011	7:41	4.2	59%	None	None
		RB10: Guinea Creek above golf course						
			6/6/2011	10:08	4.2	44%	None	None
		RB76B: Herring Creek at Rehoboth Bay						
			6/16/2011	7:55	4.2	58%	None	None
<u>Herring Creek</u>								
		RB75B: Junction of Guinea and Herring Creeks						
			6/16/2011	7:51	4.3	59%	None	None
<u>Love Creek</u>								
		RB63: Upper Love Creek near Webb Landing						
			5/31/2011	8:25	3.8	49%	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**