

# Low Dissolved Oxygen

Less than 5.0 ppm

All data between 7/17/2013 and 7/31/2013

University of Delaware Citizen Monitoring Program

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

## Broadkill River

BR01: Broadkill river @ PEL dock.  
 7/31/2013 8:52 4.4 60% None None

### Deep Hole Creek

BR13: 2707 S. Bayshore Drive  
 7/19/2013 17:00 3.2 47% None None  
 7/27/2013 12:00 3.1 41% None None

### Old Mill Creek

BR21: Old Mill Creek downstream from Red Mill Pond  
 7/20/2013 7:15 1.3 17% None None  
 7/24/2013 12:27 3.0 43% None None  
 7/27/2013 7:30 2.9 34% None None

### Prime Hook Creek

BR02: Prime Hook NWR Petersfield Ditch water control structure, 50m N of Rt 16.  
 7/20/2013 9:00 1.7 23% None None  
 7/27/2013 9:25 2.4 29% Minor None  
 BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters  
 7/17/2013 10:15 4.9 69% None None

## Indian River

### Assawoman Canal

IR50: Assawoman Canal at N end, Ocean View Marina  
 7/18/2013 10:15 3.8 56% None None  
 7/26/2013 8:05 4.0 53% None None

### Bethany Loop Canal

IR62: Loop Canal, Pa Ave terminus, Bethany Beach  
 7/24/2013 7:20 2.3 31% None None

### Indian River

IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive  
 7/29/2013 8:30 4.5 63% None None  
 IR20: Bay Colony  
 7/22/2013 7:55 3.1 44% None None  
 7/29/2013 8:10 3.9 53% None None

### Pepper Creek

IR51: Pepper Creek, Creekside  
 7/23/2013 7:45 4.3 56% None None

### Salt Pond

IR73: Western edge of Salt Pond  
 7/21/2013 8:00 2.5 34% 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>Vines Creek</u>								
		IR38: Vines Lane	7/23/2013	7:15	3.3	46%	None	None
<u>White Creek</u>								
		IR29: Holly Terrace Acres Canal, White Creek	7/23/2013	7:30	3.6	52%	None	None
		IR32: Holly Terrace Acres Canal Dead End, White Creek	7/22/2013	8:55	4.0	58%	None	None
<b>Little Assawoman Bay</b>								
		LA02B: North of Fenwick Island	7/22/2013	7:37	3.8	53%	None	None
		LA15B: Near red channel marker #12	7/22/2013	7:30	4.7	65%	None	None
		LA42B: Narrows, South of state beach at point	7/22/2013	7:20	4.2	57%	None	None
		LA45: Fenwick Island Bayside	7/23/2013	8:55	4.5	64%	None	None
<u>Assawoman Canal</u>								
		LA10: Assawoman Canal S end, Kent Ave Bridge	7/22/2013	7:15	3.5	48%	None	None
<u>Dirickson Creek</u>								
		LA03: Mulberry Landing	7/22/2013	8:10	4.2	58%	None	None
		LA03B: Mulberry Landing by boat at mid channel	7/22/2013	7:45	4.1	56%	None	None
		LA09: Dirickson Creek at Road 381 bridge.	7/22/2013	9:24	3.5	46%	None	None
		LA19B: Mid Dirickson Creek off Swann Keys	7/22/2013	7:50	4.8	65%	None	None
<u>Jefferson Creek</u>								
		SB01: Anchorage Canal @ Rt 1	7/23/2013	7:46	2.9	40%	None	None
			7/30/2013	7:30	3.5	48%	None	None
		SB04: Petherton canal/rt1	7/23/2013	7:34	2.2	31%	None	None
			7/30/2013	7:35	4.4	60%	None	None
		SB06: Brandywine Canal	7/23/2013	7:39	4.7	64%	None	None
			7/30/2013	7:40	4.5	62%	None	None
		SB09: Carlisle canal	7/23/2013	8:04	2.3	31%	None	None
		SB10W: Russell Canal west dead end	7/23/2013	8:31	4.3	60%	None	None

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**Rehoboth Bay**

Bald Eagle Creek

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

7/22/2013	8:00	3.7	48%	None	None
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Guinea Creek

RB06: Guinea Creek (Winding Creek Village)

7/22/2013	8:00	4.1	50%	None	None
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RB06A: Guinea Creek @ Rd 298 Bridge

7/22/2013	7:50	3.7	44%	None	None
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RB06B: Guinea Creek (Winding Village) by Boat

7/18/2013	7:33	3.8	54%	None	None
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RB10: Guinea Creek above golf course

7/22/2013	8:02	1.8	21%	None	None
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RB76B: Herring Creek at Rehoboth Bay

7/18/2013	7:55	5.0	72%	None	None
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