

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 7/21/2010 and 8/6/2010

University of Delaware Citizen Monitoring Program

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

Assawoman Bay

Roy Creek

BA01: Keenwick on Bay, Roy Creek	7/27/2010	8:08	3.2	47%	Minor	Minor
----------------------------------	-----------	------	-----	-----	-------	-------

Broadkill River

BR20: Broadkill River at Milton tidal pond	7/31/2010	7:15	4.7	60%	Minor	Minor
--------------------------------------------	-----------	------	-----	-----	-------	-------

Old Mill Creek

BR21: Old Mill Creek downstream from Red Mill Pond	7/25/2010	8:00	1.0	14%	None	None
	7/28/2010	12:30	4.1	57%	None	None

Prime Hook Creek

BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters	7/28/2010	9:30	2.0		None	None
------------------------------------------------------------	-----------	------	-----	--	------	------

Delaware Bay

Canary Creek

BR19: Canary Creek at New Road	7/27/2010	14:45	3.0	44%	None	None
BR40: Canary Creek at Pilottown Rd	7/21/2010	9:30	4.9	72%	None	None
	8/4/2010	9:35	3.5	51%	None	None

Indian River

Assawoman Canal

IR50: Assawoman Canal at N end, marina dock	7/27/2010	8:16	4.7	70%	None	None
---------------------------------------------	-----------	------	-----	-----	------	------

Bethany Loop Canal

IR62: Loop Canal, Pa Ave terminus, Bethany Beach	7/26/2010	8:10	0.2	3%	None	None
--------------------------------------------------	-----------	------	-----	----	------	------

Indian River

IR07: Holt's Landing State Park	7/27/2010	7:30	3.4	50%	None	None
	8/3/2010	7:15	4.7	68%	None	Minor
IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive	7/25/2010	9:00	3.7	55%	None	None
	7/30/2010	9:00	3.8	55%	None	None
IR20: Bay Colony	7/26/2010	7:50	4.0	58%	None	None
	8/2/2010	8:20	3.5	50%	None	None
IR42B: Indian River buoy #R26, N of Grey's Pt	7/28/2010	8:16	4.9	73%	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

Indian River

IR48B: Indian River green buoy #G5 west of White Creek
7/28/2010 7:58 4.9 70% None None

Pepper Creek

IR51: Pepper Creek, Creekside
7/26/2010 8:00 4.4 64% None None

Salt Pond

IR73: Western edge of Salt Pond
7/31/2010 7:45 3.5 47% None None

Vines Creek

IR38: Vines Lane
7/27/2010 8:00 4.4 63% None None
8/3/2010 7:30 3.0 43% None None

White Creek

IR29: Holly Terrace Acres Canal, White Creek
7/21/2010 7:30 4.3 66% None None
7/28/2010 7:30 1.6 24% None None
8/4/2010 7:30 1.9 28% None None
IR32: Holly Terrace Acres Canal Dead End, White Creek
7/26/2010 8:58 1.2 19% None None
7/26/2010 9:03 1.1 17% None None
8/2/2010 8:15 1.5 22% None None

Little Assawoman Bay

LA42B: Narrows, South of state beach at point
7/28/2010 7:20 4.1 60% None None
LA43: Fenwick Island Lagoon
7/27/2010 8:57 4.5 67% None None
8/3/2010 8:30 4.4 66% None None
LA44: Fenwick Island Cove
7/27/2010 7:30 3.8 57% None None
8/3/2010 7:28 4.6 67% None None
LA45: Fenwick Island Bayside
7/27/2010 8:04 3.8 56% None None
8/3/2010 8:00 3.8 55% None None
LA46: Fenwick Island Tide Gauge
7/27/2010 8:29 4.0 59% None None
LA47: Fenwick Island, Dagsboro Street, South Side
7/27/2010 8:45 3.3 49% Minor Minor

Assawoman Canal

LA10: Assawoman Canal @ Kent Ave Bridge
7/26/2010 7:45 3.0 44% None None

Dirickson Creek

LA03: Mulberry Landing
7/26/2010 8:02 3.5 52% None None
LA09: Dirickson Creek at Road 381 bridge.

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

Dirickson Creek

LA09: Dirickson Creek at Road 381 bridge.								
			7/26/2010	8:35	1.0	14%	None	None
LA19B: Mid Dirickson Creek off Swann Keys								
			7/28/2010	7:38	3.6	52%	None	None

Jefferson Creek

JC08B: SB, Jefferson Creek Basin between Assawoman canal extensions, access by boat only.								
			7/28/2010	7:08	4.4	65%	None	None
SB01: Anchorage Canal @ Rt 1								
			7/27/2010	7:32	0.2	3%	None	None
			8/3/2010	7:34	3.6	53%	None	None
SB02: Anchorage Canal near elbow								
			7/27/2010	7:07	1.6	24%	None	None
			8/3/2010	7:47	3.6	53%	None	None
SB04: Petherton canal/rt1								
			7/27/2010	7:25	0.9	13%	None	None
			8/3/2010	7:29	3.4	50%	None	None
SB05: Petherton canal, between lots 156 and 162								
			7/27/2010	7:18	3.4	51%	None	None
			8/3/2010	7:22	3.7	55%	None	None
SB07: Layton Canal, South Bethany								
			7/27/2010	7:49	4.1	61%	None	None
			8/3/2010	7:14	3.8	56%	None	None
SB09: Carlisle canal								
			7/27/2010	6:50	1.9	29%	None	None
			8/3/2010	7:04	2.0	29%	None	None
SB10E: Russell Canal east dead end								
			7/27/2010	8:16	0.0	0%	None	None
			8/3/2010	7:54	4.5	66%	None	None
			8/3/2010	8:48	4.3	64%	None	None
SB10W: Russell Canal west dead end								
			7/27/2010	8:10	0.0	1%	None	None
			8/3/2010	8:07	2.0	30%	None	None
			8/3/2010	8:39	1.7	25%	None	None
SB12: Jefferson Canal West side @ tidal gage								
			7/27/2010	8:01	3.5	53%	None	None
			8/3/2010	8:01	4.7	69%	None	None

Rehoboth Bay

Bald Eagle Creek

RB46: Torquay Canal at East bulkhead on Land's End.								
			7/26/2010	8:32	0.9	14%	None	None
RB64: Torquay Canal, west side of Land's End near UD Site #1								
			7/26/2010	8:45	1.8	28%	None	None
			8/2/2010	8:53	0.1	1%	None	None

Guinea Creek

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?
Rehoboth Bay								
<u>Guinea Creek</u>								
RB05: Mouth of Guinea Creek (Pot Nets Creekside)								
			7/21/2010	8:10	2.3	34%	None	None
			8/4/2010	8:00	3.7	55%	None	None
RB06: Guinea Creek (Winding Creek Village)								
			7/26/2010	8:45	4.6	58%	None	None
RB06B: Guinea Creek (Winding Village) by Boat								
			7/28/2010	7:02	4.4	65%	None	None
RB76B: Herring Creek at Rehoboth Bay								
			7/28/2010	7:15	2.8	41%	None	None
<u>Herring Creek</u>								
RB75B: Junction of Guinea and Herring Creeks								
			7/28/2010	7:11	3.0	45%	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