

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 7/30/2013 and 8/22/2013

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
8/14/2013	8:55	4.1	56%	None	None

Old Mill Creek

BR21: Old Mill Creek downstream from Red Mill Pond

8/4/2013	8:35	2.3	28%	None	None
8/11/2013	7:50	3.6	43%	None	None
8/21/2013	12:15	2.9	39%	None	None

Prime Hook Creek

BR02: Prime Hook NWR Petersfield Ditch water control structure, 50m N of Rt 16.

8/3/2013	8:35	3.1	39%	Minor	None
8/10/2013	8:35	1.6	20%	None	None
8/17/2013	9:00	3.4	39%	None	None

BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters

8/3/2013	10:50	3.9	51%	None	None
8/10/2013	10:15	2.8	37%	None	None

Delaware Bay

Canary Creek

BR40: Canary Creek at Pilottown Rd

8/13/2013	6:50	3.0	41%	None	None
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Indian River

Assawoman Canal

IR50: Assawoman Canal at N end, Ocean View Marina

8/2/2013	8:30	3.3	43%	None	None
8/6/2013	7:25	4.3	58%	None	None
8/8/2013	8:20	3.5	46%	None	None
8/15/2013	8:20	4.3	58%	None	None
8/20/2013	7:25	3.5	46%	None	None

Bethany Loop Canal

IR62: Loop Canal, Pa Ave terminus, Bethany Beach

8/19/2013	7:30	1.7	20%	None	None
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Indian River

IR20: Bay Colony

8/5/2013	8:00	4.0	53%	None	None
8/12/2013	7:45	4.1	55%	None	None
8/19/2013	8:00	4.7	60%	None	None

IR42B: Indian River buoy #R26, N of Grey's Pt

8/20/2013	7:54	4.9	66%	None	None
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Salt Pond

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 ppm	% Saturation	Aquatic Vegetation On Shore?	In Water?
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Indian River

Salt Pond

IR73: Western edge of Salt Pond								
			8/11/2013	7:45	3.0	40%	None	None
			8/17/2013	6:45	4.5	58%	None	None

Vines Creek

IR38: Vines Lane								
			8/6/2013	7:15	3.9	49%	None	None
			8/13/2013	7:30	4.1	57%	None	None
			8/20/2013	7:00	4.3	55%	None	None

White Creek

IR29: Holly Terrace Acres Canal, White Creek								
			8/8/2013	7:30	2.8	38%	None	None
			8/13/2013	7:00	2.9	41%	None	None
			8/21/2013	7:30	4.0	55%	None	None
IR32: Holly Terrace Acres Canal Dead End, White Creek								
			8/5/2013	9:00	4.4	60%	None	None
			8/19/2013	9:05	3.1	42%	None	None

Little Assawoman Bay

LA02B: North of Fenwick Island								
			8/1/2013	7:38	4.7	65%	None	None
LA15B: Near red channel marker #12								
			8/1/2013	7:32	4.1	56%	None	None
LA42B: Narrows, South of state beach at point								
			8/1/2013	7:17	4.7	63%	None	None
LA48: W. Georgetown St. Canal - Fenwick								
			8/14/2013	9:30	3.3	45%	None	None
			8/20/2013	7:38	4.1	52%	None	None

Assawoman Canal

LA10: Assawoman Canal S end, Kent Ave Bridge								
			8/19/2013	7:15	3.5	45%	None	None

Dirickson Creek

LA03: Mulberry Landing								
			8/6/2013	8:15	4.4	57%	None	None
LA03B: Mulberry Landing by boat at mid channel								
			8/1/2013	7:51	4.8	65%	None	None
LA19B: Mid Dirickson Creek off Swann Keys								
			8/1/2013	8:00	3.7	49%	None	None

Jefferson Creek

JC08B: SB, Jefferson Creek Basin between Assawoman canal extensions, access by boat only.								
			8/1/2013	7:07	4.5	61%	None	None
SB01: Anchorage Canal @ Rt 1								
			7/30/2013	7:30	3.5	48%	None	None
			8/6/2013	7:44	0.9	12%	None	None
			8/13/2013	7:40	2.4	33%	None	None

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Little Assawoman Bay

Jefferson Creek

SB01: Anchorage Canal @ Rt 1								
			8/20/2013	7:31	0.3	4%	None	None
SB02: Anchorage Canal near elbow								
			8/6/2013	7:59	4.9	65%	None	None
			8/20/2013	7:47	3.5	46%	None	None
SB04: Petherton canal/rt1								
			7/30/2013	7:35	4.4	60%	None	None
			8/6/2013	7:39	3.3	44%	None	None
			8/13/2013	7:45	2.4	33%	None	None
			8/20/2013	7:22	1.2	16%	None	None
SB05: Petherton canal, between lots 156 and 162								
			8/6/2013	7:26	4.5	59%	None	None
			8/20/2013	7:15	4.3	56%	None	None
SB06: Brandywine Canal								
			7/30/2013	7:40	4.5	62%	None	None
			8/6/2013	7:35	4.7	62%	None	None
			8/13/2013	7:47	2.5	34%	None	None
			8/20/2013	7:27	1.5	20%	None	None
SB07: Layton Canal, South Bethany								
			8/20/2013	7:04	4.1	53%	None	None
SB09: Carlisle canal								
			8/13/2013	8:20	2.5	34%	None	None
			8/20/2013	6:46	2.2	29%	None	None
SB10E: Russell Canal east dead end								
			8/6/2013	8:05	3.1	41%	None	None
			8/13/2013	7:05	3.0	41%	None	None
			8/20/2013	7:53	0.4	5%	None	None
SB10W: Russell Canal west dead end								
			8/6/2013	8:22	2.6	34%	None	None
			8/13/2013	7:25	2.9	40%	None	None
			8/20/2013	8:08	2.1	27%	None	None
SB12: Jefferson Canal West side @ tidal gage								
			8/6/2013	8:14	5.0	65%	None	None
			8/13/2013	7:16	4.5	62%	None	None
			8/20/2013	8:01	4.3	56%	None	None

Rehoboth Bay

RB07: West Bay Park								
			8/20/2013	8:55	3.2	44%	None	None
RB16E: Rusty Rudder Pier End								
			8/19/2013	8:00	4.6	61%	None	None
RB16N: Rusty Rudder Pier Near								
			8/12/2013	7:46	4.5	63%	None	None

Bald Eagle Creek

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

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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Rehoboth Bay

Bald Eagle Creek

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

8/12/2013	8:35	0.2	2%	None	None
8/19/2013	8:00	1.5	20%	None	None

Guinea Creek

RB06: Guinea Creek (Winding Creek Village)

8/12/2013	8:00	4.6	58%	None	None
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RB10: Guinea Creek above golf course

8/5/2013	8:10	3.7	40%	None	None
8/19/2013	8:16	4.8	50%	None	None

RB76B: Herring Creek at Rehoboth Bay

8/15/2013	7:57	4.9	67%	None	None
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