

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 6/11/2012 and 7/5/2012

University of Delaware Citizen Monitoring Program

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

Broadkill River

Deep Hole Creek

BR13: 2707 S. Bayshore Drive

6/15/2012	11:00	3.7	46%	None	None
6/23/2012	10:15	3.3	46%	None	None
6/29/2012	10:00	1.0	15%	None	None

Old Mill Creek

BR21: Old Mill Creek downstream from Red Mill Pond

6/11/2012	7:20	2.2	30%	None	None
6/17/2012	8:40	3.4	44%	None	None
6/24/2012	8:05	1.9	25%	None	None
7/1/2012	8:30	2.2	32%	None	None

Prime Hook Creek

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

6/23/2012	8:25	1.3	17%	None	None
6/30/2012	9:35	3.1	45%	None	None

BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters

6/11/2012	10:00	3.8	54%	None	None
6/17/2012	9:00	2.9	36%	None	None
6/24/2012	10:15	1.3	19%	None	None
7/1/2012	9:00	0.9	13%	None	None

Delaware Bay

Canary Creek

BR40: Canary Creek at Pilottown Rd

6/26/2012	8:29	3.6	48%	None	None
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Indian River

Assawoman Canal

IR50: Assawoman Canal at N end, Ocean View Marina

7/5/2012	8:25	4.7	69%	None	None
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Bethany Loop Canal

IR62: Loop Canal, Pa Ave terminus, Bethany Beach

6/18/2012	7:45	2.1	29%	None	None
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Indian River

IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive

7/2/2012	9:00	3.6	52%	None	None
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IR20: Bay Colony

7/2/2012	7:55	3.4	51%	None	None
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Pepper Creek

IR51: Pepper Creek, Creekside

6/20/2012	8:00	3.0	42%	None	None
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Aquatic vegetation comments: "None" - none seen; "Minor" - bands up to 10 feet wide; "Major" - bands greater than 10 ' wide.

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Indian River

Vines Creek

IR38: Vines Lane

6/12/2012	7:30	4.5	63%	None	None
6/19/2012	7:45	4.7	62%	None	None
7/3/2012	8:00	4.1	62%	None	None

White Creek

IR29: Holly Terrace Acres Canal, White Creek

6/13/2012	7:00	4.2	58%	None	None
7/5/2012	8:00	4.3	65%	None	None

IR32: Holly Terrace Acres Canal Dead End, White Creek

6/18/2012	8:05	3.5	46%	None	None
7/3/2012	7:40	3.8	57%	None	None

Little Assawoman Bay

LA42B: Narrows, South of state beach at point

6/29/2012	7:25	4.6	64%	None	None
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LA43: Fenwick Island Lagoon

6/12/2012	7:56	3.9	56%	None	Major
6/19/2012	8:14	4.0	54%	None	Major
6/26/2012	8:07	2.1	29%	None	None
7/3/2012	8:06	2.7	36%	None	None

LA44: Fenwick Island Cove

6/12/2012	8:33	3.3	46%	None	None
6/26/2012	8:34	4.6	62%	None	None
7/3/2012	8:23	2.8	41%	None	None

LA45: Fenwick Island Bayside

6/12/2012	7:44	4.6	64%	None	None
6/19/2012	7:46	4.6	62%	None	None
6/26/2012	7:47	3.7	50%	None	None
7/3/2012	7:49	3.2	47%	None	None

LA48: W. Georgetown St. Canal - Fenwick

6/12/2012	7:37	4.3	61%	None	None
7/3/2012	7:45	2.8	41%	None	None

Assawoman Canal

LA10: Assawoman Canal S end, Kent Ave Bridge

6/18/2012	7:28	4.4	57%	None	None
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Dirickson Creek

LA09: Dirickson Creek at Road 381 bridge.

6/19/2012	8:25	4.0	50%	None	None
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Jefferson Creek

SB01: Anchorage Canal @ Rt 1

6/19/2012	7:47	2.4	33%	None	Major
6/26/2012	8:03	2.7	31%	None	None
7/3/2012	7:35	0.5	7%	None	None

SB02: Anchorage Canal near elbow

6/19/2012	7:13	4.1	56%	None	None
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Little Assawoman Bay

Jefferson Creek

SB02: Anchorage Canal near elbow								
			6/26/2012	7:26	3.9	52%	None	None
			7/3/2012	7:45	4.1	59%	None	None
SB04: Petherton canal/rt1								
			6/12/2012	7:22	3.7	53%	None	None
			6/19/2012	7:30	3.4	46%	None	None
			7/3/2012	7:25	1.4	20%	None	None
SB05: Petherton canal, between lots 156 and 162								
			6/19/2012	7:23	4.2	57%	None	None
			6/26/2012	7:36	4.8	65%	None	None
			7/3/2012	7:15	4.4	64%	None	None
SB06: Brandywine Canal								
			6/12/2012	7:27	4.4	63%	None	None
			6/19/2012	7:38	3.0	41%	None	None
			7/3/2012	7:30	0.7	10%	None	None
SB07: Layton Canal, South Bethany								
			6/12/2012	7:48	4.9	70%	None	None
			6/19/2012	8:01	4.6	62%	None	None
			6/26/2012	8:20	3.8	52%	None	None
			7/3/2012	7:05	4.4	64%	None	None
SB09: Carlisle canal								
			6/12/2012	7:57	4.9	69%	None	None
			6/19/2012	6:29	3.6	49%	None	None
			6/26/2012	8:30	3.2	43%	None	None
			7/3/2012	7:00	2.6	38%	None	None
SB10E: Russell Canal east dead end								
			6/19/2012	7:05	3.1	42%	None	None
			6/26/2012	7:18	2.7	36%	None	None
			7/3/2012	7:50	0.6	9%	None	None
SB10W: Russell Canal west dead end								
			6/19/2012	6:58	2.3	32%	None	None
			6/26/2012	7:10	4.1	56%	None	None
			7/3/2012	8:05	2.0	29%	None	None
SB12: Jefferson Canal West side @ tidal gage								
			6/12/2012	8:17	4.6	65%	None	None
			6/26/2012	7:02	3.3	44%	None	None
			7/3/2012	8:00	4.1	60%	None	None

Rehoboth Bay

Bald Eagle Creek

RB64: Torquay Canal, west side of Land's End near UD Site #1								
			6/11/2012	7:55	4.7	69%	None	None
			6/18/2012	8:59	3.0	42%	None	None
			6/25/2012	8:45	3.3	50%	None	None

Guinea Creek

The state instantaneous standard for Dissolved Oxygen is: the minimum shall not fall below 4.0 ppm.

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Rehoboth Bay								
<u>Guinea Creek</u>								
RB06: Guinea Creek (Winding Creek Village)								
			6/25/2012	8:30	4.6	66%	None	None
			7/2/2012	8:30	2.9	44%	None	None
RB06A: Guinea Creek @ Rd 298 Bridge								
			6/19/2012	7:47	2.8	34%	None	None
RB06B: Guinea Creek (Winding Village) by Boat								
			6/22/2012	7:30	4.6	70%	None	None
RB10: Guinea Creek above golf course								
			6/19/2012	8:02	3.2	34%	None	None
RB76B: Herring Creek at Rehoboth Bay								
			6/22/2012	7:51	4.0	60%	None	None
<u>Herring Creek</u>								
RB75B: Junction of Guinea and Herring Creeks								
			6/22/2012	7:43	4.3	63%	None	None

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