

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 7/26/2012 and 8/15/2012

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								
	8/7/2012	8:59	3.6	54%	Minor	Minor		

Broadkill River

BR01: Broadkill river @ PEL dock.								
	7/26/2012	9:30	3.2	48%	None	None		
	8/8/2012	8:55	3.9	58%	None	None		
	8/8/2012	8:55	3.9	58%	None	None		
BR20: Broadkill River at Milton tidal pond								
	8/1/2012	7:00	2.8	35%	None	None		
	8/8/2012	7:15	4.8	59%	Minor	None		

Deep Hole Creek

BR13: 2707 S. Bayshore Drive								
	8/11/2012	9:45	0.0	0%	None	None		

Diamond Pond

BR48: Diamond Pond								
	8/8/2012	10:51	3.4	44%	Minor	Major		

Ingram Branch

BR06: Ingram Ditch at the intersection of Rds 212 and 231.								
	8/8/2012	11:15	0.3	3%	None	None		

Old Mill Creek

BR21: Old Mill Creek downstream from Red Mill Pond								
	7/29/2012	8:00	1.8	24%	None	None		
	8/5/2012	8:10	0.2	3%	None	None		
	8/8/2012	12:35	2.9	42%	None	None		

Prime Hook Creek

BR02: Prime Hook NWR Petersfield Ditch water control structure, 50m N of Rt 16.								
	7/29/2012	6:54	1.9	26%	None	None		
	8/5/2012	7:00	1.4	20%	None	None		
BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters								
	7/28/2012	9:30	1.5	24%	None	None		
	8/4/2012	9:15	0.6	9%	None	None		
	8/12/2012	9:00	1.2	17%	None	None		

Delaware Bay

Canary Creek

BR19: Canary Creek at New Road								
	8/8/2012	10:06	3.8	55%	None	None		
BR40: Canary Creek at Pilottown Rd								
	8/8/2012	7:50	3.0	44%	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.

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Indian River

Assawoman Canal

IR50: Assawoman Canal at N end, Ocean View Marina

8/1/2012	7:50	2.8	41%	None	None
8/7/2012	7:50	3.3	50%	None	None
8/9/2012	8:15	3.8	57%	None	None
8/15/2012	8:15	4.4	64%	None	None

Bethany Loop Canal

IR62: Loop Canal, Pa Ave terminus, Bethany Beach

8/6/2012	7:40	0.3	5%	None	None
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Indian River

IR04: Warwick Cove

8/6/2012	9:40	4.5	66%	None	None
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IR07: Holt's Landing State Park

8/7/2012	7:00	4.8	71%	None	None
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IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive

8/5/2012	8:55	4.7	73%	None	None
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8/12/2012	9:00	3.8	55%	None	None
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IR20: Bay Colony

7/30/2012	7:55	3.4	50%	None	None
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8/6/2012	7:50	2.6	39%	None	None
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IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore

8/7/2012	8:35	4.0	59%	None	None
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Pepper Creek

IR51: Pepper Creek, Creekside

7/31/2012	8:45	4.0	59%	None	None
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Salt Pond

IR73: Western edge of Salt Pond

7/29/2012	7:45	3.8	55%	None	None
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Vines Creek

IR38: Vines Lane

7/31/2012	7:30	3.2	47%	None	None
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8/7/2012	7:30	3.0	42%	None	None
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White Creek

IR28B: White Creek Green #7

8/1/2012	7:49	4.6	68%	None	None
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IR29: Holly Terrace Acres Canal, White Creek

8/1/2012	7:30	2.2	34%	None	None
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8/8/2012	7:45	1.6	24%	None	None
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8/15/2012	7:30	1.9	28%	None	None
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IR32: Holly Terrace Acres Canal Dead End, White Creek

7/30/2012	8:27	1.6	24%	None	None
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8/6/2012	9:15	1.4	21%	None	None
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8/13/2012	8:39	3.0	43%	None	None
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Little Assawoman Bay

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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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Little Assawoman Bay

LA43: Fenwick Island Lagoon								
			7/31/2012	7:55	2.7	40%	None	None
			8/7/2012	8:10	2.2	33%	None	None
			8/14/2012	7:44	2.2	32%	None	None
LA44: Fenwick Island Cove								
			7/31/2012	8:12	3.7	57%	None	None
			8/7/2012	8:34	3.2	47%	None	None
			8/14/2012	8:01	3.7	53%	None	None
LA45: Fenwick Island Bayside								
			7/31/2012	7:40	2.9	43%	None	None
			8/7/2012	7:50	2.1	31%	None	None
			8/14/2012	7:26	3.0	43%	None	None
LA48: W. Georgetown St. Canal - Fenwick								
			8/7/2012	7:40	1.8	27%	None	None
			8/13/2012	8:20	2.1	30%	None	None

Assawoman Canal

LA10: Assawoman Canal S end, Kent Ave Bridge								
			8/6/2012	7:20	2.8	43%	None	None

Dirickson Creek

LA03: Mulberry Landing								
			8/6/2012	8:02	4.2	63%	None	None
LA09: Dirickson Creek at Road 381 bridge.								
			8/6/2012	8:42	2.6	37%	None	None

Jefferson Creek

SB01: Anchorage Canal @ Rt 1								
			7/31/2012	7:32	1.3	20%	None	None
			8/7/2012	7:58	0.3	5%	None	None
			8/14/2012	8:02	1.7	25%	None	None
SB02: Anchorage Canal near elbow								
			7/31/2012	7:05	2.3	35%	None	None
			8/7/2012	7:22	2.0	29%	None	None
			8/14/2012	7:32	4.7	69%	None	None
SB04: Petherton canal/rt1								
			7/31/2012	7:21	1.9	29%	None	None
			8/7/2012	7:47	1.5	23%	None	None
SB05: Petherton canal, between lots 156 and 162								
			7/31/2012	7:14	2.7	41%	None	None
			8/7/2012	7:32	2.0	31%	None	None
			8/14/2012	7:41	4.4	65%	None	None
SB06: Brandywine Canal								
			7/31/2012	7:25	1.7	26%	None	None
			8/7/2012	7:52	2.2	33%	None	None
SB07: Layton Canal, South Bethany								
			7/31/2012	7:46	2.4	36%	None	None
			8/7/2012	7:12	2.5	37%	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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Little Assawoman Bay

Jefferson Creek

SB09: Carlisle canal

7/31/2012	7:55	1.5	23%	None	None
8/7/2012	7:03	1.1	17%	None	None
8/14/2012	8:28	2.5	36%	None	None

SB10E: Russell Canal east dead end

7/31/2012	8:05	2.1	32%	None	None
8/7/2012	8:09	2.4	36%	None	None
8/14/2012	7:24	3.9	58%	None	None

SB10W: Russell Canal west dead end

7/31/2012	8:20	1.4	21%	None	None
8/7/2012	8:25	1.7	26%	None	None
8/14/2012	7:15	3.0	45%	None	None

SB12: Jefferson Canal West side @ tidal gage

7/31/2012	8:13	2.2	33%	None	None
8/7/2012	8:17	2.5	38%	None	None
8/14/2012	7:07	4.2	61%	None	None

Williams Creek

LA21: Williams Creek tributary, bridge on Rd 364a

8/6/2012	8:30	0.5	7%	None	None
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Rehoboth Bay

ML: Massey's Landing

8/6/2012	11:32	4.9	73%	None	None
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RB07: West Bay Park

8/7/2012	8:30	4.5	66%	None	None
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Bald Eagle Creek

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

7/30/2012	7:45	2.1	32%	None	None
8/6/2012	8:14	2.4	37%	None	None
8/13/2012	7:50	2.3	35%	None	None

Guinea Creek

RB05: Mouth of Guinea Creek (Pot Nets Creekside)

8/6/2012	11:51	4.2	64%	Minor	Minor
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RB06: Guinea Creek (Winding Creek Village)

7/30/2012	9:30	3.9	60%	None	None
8/6/2012	8:32	2.5	37%	None	None
8/6/2012	12:13	3.3	50%	None	None
8/14/2012	7:45	4.7	70%	None	None

RB06A: Guinea Creek @ Rd 298 Bridge

8/6/2012	7:45	1.2	15%	None	None
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RB06B: Guinea Creek (Winding Village) by Boat

7/26/2012	7:28	4.7	67%	None	None
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RB76B: Herring Creek at Rehoboth Bay

7/26/2012	7:43	4.1	59%	None	None
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Herring Creek

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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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Rehoboth Bay								
	<u>Herring Creek</u>	RB75B: Junction of Guinea and Herring Creeks						
			7/26/2012	7:39	4.2	60%	None	None
	<u>Love Creek</u>	RB34: Love Creek at Rt 24 Bridge						
			8/6/2012	8:37	3.8	53%	None	None
Silver Lake								
	<u>Silver Lake</u>	RL01: Silver Lake, Lake Drive Bridge						
			7/31/2012	9:20	3.3	42%	None	None

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