

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 8/22/2013 and 9/19/2013

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.

8/28/2013	8:52	4.5	62%	None	None
9/11/2013	8:50	3.6	48%	None	None

Deep Hole Creek

BR13: 2707 S. Bayshore Drive

9/1/2013	9:00	2.7	36%	None	None
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Old Mill Creek

BR21: Old Mill Creek downstream from Red Mill Pond

8/24/2013	7:40	3.6	41%	None	None
9/2/2013	7:50	1.4	18%	None	None
9/8/2013	8:40	2.6	30%	None	None
9/11/2013	12:35	3.7	47%	None	None
9/14/2013	8:30	2.0	23%	None	None

Prime Hook Creek

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

8/24/2013	9:05	2.3	27%	None	None
8/31/2013	9:00	3.8	46%	None	None

BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters

8/24/2013	10:10	4.2	52%	None	None
9/2/2013	10:20	2.6	34%	None	None

Delaware Bay

Canary Creek

BR40: Canary Creek at Pilottown Rd

8/27/2013	7:08	4.1	54%	None	None
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Indian River

IR24: Iron Branch - County road 331 at bridge

8/30/2013	9:45	4.9	57%	None	None
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Assawoman Canal

IR50: Assawoman Canal at N end, Ocean View Marina

9/10/2013	7:20	4.1	56%	None	None
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Bethany Loop Canal

IR62: Loop Canal, Pa Ave terminus, Bethany Beach

9/9/2013	7:30	0.8	11%	None	None
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Indian River

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

9/2/2013	8:25	4.2	60%	Minor	None
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IR20: Bay Colony

9/9/2013	7:55	4.4	58%	None	None
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IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore

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

Indian River

IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore	9/9/2013	7:33	4.7	62%	None	None
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Salt Pond

IR73: Western edge of Salt Pond	8/25/2013	7:15	3.5	45%	None	None
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Vines Creek

IR38: Vines Lane	9/2/2013	7:30	4.1	57%	None	None
	9/10/2013	7:45	4.4	55%	None	None

White Creek

IR29: Holly Terrace Acres Canal, White Creek	9/4/2013	7:00	3.1	44%	None	None
	9/11/2013	7:00	2.7	37%	None	None
	9/18/2013	7:30	4.8	62%	None	None
IR32: Holly Terrace Acres Canal Dead End, White Creek	9/4/2013	7:50	2.9	40%	None	None
	9/9/2013	9:15	4.3	59%	None	None
	9/16/2013	8:55	4.2	57%	None	None

Little Assawoman Bay

LA48: W. Georgetown St. Canal - Fenwick	9/3/2013	7:56	4.0	56%	None	None
	9/10/2013	7:53	4.3	58%	None	None
	9/17/2013	8:17	4.9	61%	None	None

Assawoman Canal

LA10: Assawoman Canal S end, Kent Ave Bridge	9/9/2013	7:10	2.2	29%	None	None
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Dirickson Creek

LA09: Dirickson Creek at Road 381 bridge.	9/9/2013	8:33	2.7	34%	None	None
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Jefferson Creek

SB01: Anchorage Canal @ Rt 1	8/27/2013	7:25	2.1	29%	None	None
	9/3/2013	7:40	0.1	1%	None	None
	9/10/2013	8:06	1.9	25%	None	None
	9/17/2013	7:32	2.5	31%	None	None
SB02: Anchorage Canal near elbow	9/3/2013	8:08	4.2	60%	None	None
	9/10/2013	7:36	2.5	34%	None	None
	9/17/2013	7:56	2.9	38%	None	None
SB04: Petherton canal/rt1	8/27/2013	7:28	3.1	42%	None	None
	9/3/2013	7:28	4.3	61%	None	None
	9/10/2013	7:53	2.5	33%	None	None

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Little Assawoman Bay

Jefferson Creek

		SB04: Petherton canal/rt1						
			9/17/2013	7:35	2.9	37%	None	None
		SB05: Petherton canal, between lots 156 and 162						
			9/10/2013	7:46	3.9	48%	None	None
			9/17/2013	7:24	3.6	47%	None	None
		SB06: Brandywine Canal						
			8/27/2013	7:33	4.1	55%	None	None
			9/10/2013	8:00	3.2	43%	None	None
			9/17/2013	7:40	2.6	34%	None	None
		SB07: Layton Canal, South Bethany						
			9/3/2013	7:11	5.0	70%	None	None
			9/10/2013	8:24	4.3	58%	None	None
			9/17/2013	7:13	4.6	59%	None	None
		SB09: Carlisle canal						
			8/27/2013	7:00	4.1	56%	None	None
			9/3/2013	7:01	2.2	31%	None	None
			9/10/2013	6:53	2.7	37%	None	None
			9/17/2013	7:03	3.8	49%	None	None
		SB10E: Russell Canal east dead end						
			8/27/2013	7:55	4.2	57%	None	None
			9/3/2013	8:13	4.7	67%	None	None
			9/10/2013	7:27	0.1	1%	None	None
			9/17/2013	8:02	0.1	1%	None	None
		SB10W: Russell Canal west dead end						
			9/10/2013	7:16	0.1	1%	None	None
			9/17/2013	8:20	0.1	2%	None	None
		SB12: Jefferson Canal West side @ tidal gage						
			9/3/2013	8:23	4.7	66%	None	None
			9/17/2013	8:12	4.1	52%	None	None

fish kill

fish kill

Rehoboth Bay

Bald Eagle Creek

		RB64: Torquay Canal, west side of Land's End near UD Site #1						
			8/26/2013	7:40	0.2	3%	None	None
			9/3/2013	9:10	4.8	69%	None	None
			9/9/2013	8:10	0.5	7%	None	None
			9/16/2013	7:20	1.5	21%	None	None

Guinea Creek

		RB06: Guinea Creek (Winding Creek Village)						
			9/2/2013	8:00	4.1	51%	None	None

Herring Creek

		RB04: Herring Creek, Mid-Section						
			9/10/2013	7:15	4.9	65%	None	None

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