

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 7/28/2017 and 8/11/2017

University of Delaware Citizen Monitoring Program

Water Body	Tributary Site	Date	Time	Dissolved Oxygen			Aquatic Vegetation	
				ppm	% Saturation	Depth	On Shore?	In Water?
Broadkill River								
	<u>Broadkill River</u>							
	BR01: Broadkill river @ PEL dock.							
		8/2/2017	9:25	4.8	66%	Surfc	None	None
	BR20: Broadkill River at Milton tidal pond							
		8/2/2017	6:38	4.6	56%	Surfc	None	Minor
	<u>Old Mill Creek</u>							
	BR21: Old Mill Creek downstream from Red Mill Pond							
		8/9/2017	9:47	2.5	30%	Surfc	None	None
Delaware Bay								
	<u>Canary Creek</u>							
	BR19: Canary Creek at New Road							
		8/6/2017	7:45	1.1	14%	Surfc	None	None
		8/8/2017	9:20	1.1	13%	Surfc	None	None
Indian River								
	<u>Assawoman Canal</u>							
	IR50: Assawoman Canal at N end, Ocean View Marina							
		7/28/2017	7:25	3.3	48%	Surfc	None	None
		8/3/2017	7:40	4.4	63%	Surfc	None	None
		8/10/2017	7:25	3.0	41%	Surfc	None	None
	<u>Indian River</u>							
	IR03: Oak Orchard							
		8/1/2017	8:25	4.3	63%	Surfc	None	None
	IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive							
		8/4/2017	7:58	4.6	67%	Surfc	None	None
	IR26: Possum Point							
		7/30/2017	11:45	4.7	56%	Surfc	None	None
	IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore							
		8/8/2017	7:25	4.3	59%	Surfc	Minor	Minor
	<u>Salt Pond</u>							
	IR73: Western edge of Salt Pond							
		7/30/2017	7:15	4.1	54%	Surfc	None	None
	<u>Vines Creek</u>							
	IR38: Vines Lane							
		8/8/2017	7:45	2.1	26%	Surfc	None	None
	<u>White Creek</u>							
	IR32: Holly Terrace Acres Canal Dead End, White Creek							
		7/31/2017	8:40	4.7	62%	Surfc	None	None
		8/7/2017	8:49	3.8	55%	Surfc	None	None
Little Assawoman Bay								
	<u>Dirickson Creek</u>							
	LA03: Mulberry Landing							
		8/8/2017	7:03	4.2	56%	Surfc	None	None
	LA09: Dirickson Creek at Road 381 bridge.							
		7/31/2017	8:19	4.7	56%	Surfc	None	None
		7/31/2017	8:20	3.6	44%	0.9 m	None	None
		8/8/2017	7:47	3.4	39%	Surfc	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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Water Body	Tributary	Site	Date	Time	Dissolved Oxygen			Aquatic Vegetation	
					ppm	% Saturation	Depth	On Shore?	In Water?
Little Assawoman Bay									
<u>Jefferson Creek</u>									
		SB01: Anchorage Canal @ Rt 1	8/8/2017	7:15	1.9	24%	Surfc	None	None
		SB02: Anchorage Canal near elbow	8/8/2017	7:05	2.0	26%	Surfc	None	None
		SB04: Petherton canal/rt1	8/8/2017	7:25	3.4	42%	Surfc	None	None
		SB05: Petherton canal, between lots 156 and 162	8/8/2017	7:20	2.9	36%	Surfc	None	None
		SB06: Brandywine Canal	8/8/2017	7:30	4.7	55%	Surfc	None	None
		SB07: Layton Canal, South Bethany	8/8/2017	7:35	4.2	52%	Surfc	None	None
		SB09: Carlisle canal	8/8/2017	7:45	1.7	20%	Surfc	None	None
		SB10E: Russell Canal east dead end	8/8/2017	7:00	4.8	61%	Surfc	None	None
		SB10W: Russell Canal west dead end	8/8/2017	6:55	4.3	55%	Surfc	None	None
		SB12: Jefferson Canal West side @ tidal gage	8/8/2017	6:45	3.2	41%	Surfc	None	None
<u>Little Assawoman Bay</u>									
		LA46: Fenwick Island Tide Gauge	8/8/2017	10:16	4.9	66%	Surfc	None	None
Rehoboth Bay									
<u>Bald Eagle Creek</u>									
		RB64: Torquay Canal, west side of Land's End near UD Site #1	7/31/2017	12:17	1.4	21%	Surfc	None	None
			8/7/2017	10:20	1.7	25%	Surfc	None	None
<u>Guinea Creek</u>									
		RB06: Guinea Creek (Winding Creek Village)	7/31/2017	7:33	4.5	56%	Surfc	None	None
			8/7/2017	7:27	3.7	50%	Surfc	None	None
		RB06A: Guinea Creek @ Rd 298 Bridge	8/7/2017	7:46	2.4	30%	Surfc	None	None
<u>Herring Creek</u>									
		RB90: Burton Prong	8/7/2017	7:45	3.6	47%	Surfc	None	None
<u>Lewes-Rehoboth Canal</u>									
		RB08A: Lewes Canal Front Park - Kayak Launch	8/8/2017	9:35	4.9	68%	Surfc	None	None
<u>Love Creek</u>									
		RB34: Love Creek at Rt 24 Bridge	8/7/2017	10:00	4.4	60%	Surfc	None	None

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