

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 6/30/2017 and 7/14/2017

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>							
		BR20: Broadkill River at Milton tidal pond							
		7/12/2017	6:35	4.8	62%	Surfc	Minor	Minor	
		<u>Old Mill Creek</u>							
		BR21: Old Mill Creek downstream from Red Mill Pond							
		7/12/2017	9:22	1.0	14%	Surfc	None	None	
Delaware Bay									
		<u>Canary Creek</u>							
		BR19: Canary Creek at New Road							
		7/11/2017	9:20	2.9	41%	Surfc	None	None	
		BR40: Canary Creek at Pilottown Rd							
		7/11/2017	6:44	3.0	42%	Surfc	None	None	
Indian River									
		<u>Assawoman Canal</u>							
		IR50: Assawoman Canal at N end, Ocean View Marina							
		7/1/2017	8:15	2.9	41%	Surfc	None	None	
		7/6/2017	7:45	4.2	61%	Surfc	None	None	
		7/13/2017	7:40	3.4	50%	Surfc	None	None	
		<u>Indian River</u>							
		IR03: Oak Orchard							
		7/13/2017	8:45	3.8	53%	Surfc	None	None	
		IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive							
		7/8/2017	8:00	4.7	67%	Surfc	None	None	
		<u>Pepper Creek</u>							
		IR51: Pepper Creek, Creekside							
		7/11/2017	8:15	1.8	26%	Surfc	None	None	
		<u>Vines Creek</u>							
		IR38: Vines Lane							
		7/4/2017	8:30	2.6	38%	Surfc	None	None	
		7/11/2017	8:10	4.0	57%	Surfc	None	None	
		<u>White Creek</u>							
		IR32: Holly Terrace Acres Canal Dead End, White Creek							
		7/6/2017	8:37	3.4	50%	Surfc	None	None	
		7/10/2017	9:12	3.2	47%	Surfc	None	None	
Little Assawoman Bay									
		<u>Dirickson Creek</u>							
		LA03: Mulberry Landing							
		7/3/2017	6:54	3.5	51%	Surfc	None	None	
		7/10/2017	7:15	4.4	65%	Surfc	None	None	
		LA09: Dirickson Creek at Road 381 bridge.							
		7/3/2017	7:40	1.9	26%	Surfc	None	None	
		7/3/2017	7:41	0.0	0%	Mid	None	None	
		7/10/2017	8:01	2.8	39%	Surfc	None	None	
		LA29: Upper Dirickson Creek @ Rt20							
		7/3/2017	6:31	2.5	30%	Surfc	None	None	
		7/10/2017	6:23	4.1	47%	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							
			7/5/2017	7:38	1.0	15%	Surfc	None	None
			7/11/2017	7:25	3.5	52%	Surfc	None	None
		SB02: Anchorage Canal near elbow							
			7/5/2017	7:55	4.1	61%	Surfc	None	None
		SB04: Petherton canal/rtl							
			7/5/2017	7:34	0.1	1%	Surfc	None	None
			7/11/2017	7:40	3.6	53%	Surfc	None	None
		SB05: Petherton canal, between lots 156 and 162							
			7/5/2017	7:28	4.7	69%	Surfc	None	None
		SB06: Brandywine Canal							
			7/5/2017	7:37	1.2	18%	Surfc	None	None
			7/11/2017	7:45	3.1	46%	Surfc	None	None
		SB07: Layton Canal, South Bethany							
			7/5/2017	7:20	4.4	65%	Surfc	None	None
		SB09: Carlisle canal							
			7/5/2017	7:05	0.6	9%	Surfc	None	None
			7/11/2017	7:10	1.4	21%	Surfc	None	None
		SB10E: Russell Canal east dead end							
			7/5/2017	7:59	1.0	15%	Surfc	Major	Minor
			7/11/2017	8:00	4.5	67%	Surfc	Major	Major
		SB10W: Russell Canal west dead end							
			7/5/2017	8:18	1.3	19%	Surfc	None	None
		SB12: Jefferson Canal West side @ tidal gage							
			7/5/2017	8:09	3.5	52%	Surfc	None	None
<u>Little Assawoman Bay</u>									
		LA48: W. Georgetown St. Canal - Fenwick							
			7/11/2017	8:51	3.5	53%	Surfc	None	None
Rehoboth Bay									
<u>Bald Eagle Creek</u>									
		RB64: Torquay Canal, west side of Land's End near UD Site #1							
			7/10/2017	10:08	2.1	31%	Surfc	None	None
<u>Guinea Creek</u>									
		RB06: Guinea Creek (Winding Creek Village)							
			7/3/2017	7:28	4.6	70%	Surfc	None	None
			7/10/2017	7:17	4.2	59%	Surfc	None	None
		RB06A: Guinea Creek @ Rd 298 Bridge							
			7/10/2017	6:44	3.7	45%	Surfc	None	None
<u>Lewes-Rehoboth Canal</u>									
		RB08A: Lewes Canal Front Park - Kayak Launch							
			7/11/2017	9:37	3.8	53%	Surfc	None	None
<u>Love Creek</u>									
		RB80: Upper Love Creek at Webb Landing							
			7/11/2017	7:40	4.5	59%	Surfc	None	None

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