

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 8/11/2017 and 9/1/2017

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.							
			8/16/2017	8:50	4.3	61%	Surfc	None	None
		BR20: Broadkill River at Milton tidal pond							
			8/23/2017	6:30	4.7	59%	Surfc	Minor	Minor
		<u>Old Mill Creek</u>							
		BR21: Old Mill Creek downstream from Red Mill Pond							
			8/23/2017	10:07	1.9	25%	Surfc	None	None
Delaware Bay									
		<u>Canary Creek</u>							
		BR19: Canary Creek at New Road							
			8/22/2017	9:15	4.7	63%	Surfc	None	None
		BR40: Canary Creek at Pilottown Rd							
			8/15/2017	6:44	4.5	64%	Surfc	None	None
			8/22/2017	6:40	3.9	55%	Surfc	None	None
Indian River									
		<u>Assawoman Canal</u>							
		IR50: Assawoman Canal at N end, Ocean View Marina							
			8/18/2017	7:40	2.9	40%	Surfc	None	None
			8/24/2017	7:45	3.0	41%	Surfc	None	None
			8/31/2017	7:35	4.4	56%	Surfc	None	None
		<u>Indian River</u>							
		IR03: Oak Orchard							
			8/12/2017	10:10	4.7	60%	Surfc	None	None
			8/18/2017	8:20	3.8	54%	Surfc	None	None
			8/28/2017	10:15	3.5	46%	Surfc	None	None
		IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore							
			8/22/2017	7:35	4.1	59%	Surfc	Minor	Minor
		<u>Pepper Creek</u>							
		IR51: Pepper Creek, Creekside							
			8/15/2017	8:20	2.8	35%	Surfc	None	None
			8/22/2017	7:30	1.8	25%	Surfc	None	None
			8/29/2017	8:40	4.6	59%	Surfc	None	None
		<u>Salt Pond</u>							
		IR73: Western edge of Salt Pond							
			8/14/2017	7:15	3.2	40%	Surfc	None	None
			8/28/2017	7:15	4.6	57%	Surfc	None	None
		<u>Vines Creek</u>							
		IR38: Vines Lane							
			8/22/2017	9:49	2.4	34%	Surfc	None	None
		<u>White Creek</u>							
		IR32: Holly Terrace Acres Canal Dead End, White Creek							
			8/14/2017	8:30	0.5	7%	Surfc	None	None
			8/21/2017	9:15	1.9	28%	Surfc	None	None
			8/28/2017	8:38	3.8	51%	Surfc	None	None

Little Assawoman Bay

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>Dirickson Creek</u>									
		LA03: Mulberry Landing	8/21/2017	7:07	4.6	64%	Surfc	None	None
		LA09: Dirickson Creek at Road 381 bridge.	8/15/2017	8:18	4.6	55%	Surfc	None	None
			8/15/2017	8:20	3.8		0.9 m	None	None
			8/21/2017	7:43	4.6	58%	Surfc	None	None
<u>Jefferson Creek</u>									
		SB01: Anchorage Canal @ Rt 1	8/22/2017	7:42	0.3	4%	Surfc	None	None
			8/29/2017	7:11	0.1	1%	Surfc	None	None
		SB02: Anchorage Canal near elbow	8/29/2017	7:40	2.8	37%	Surfc	None	None
		SB04: Petherton canal/rt1	8/15/2017	7:30	4.6	61%	Surfc	None	None
			8/29/2017	7:22	0.1	2%	Surfc	None	None
		SB05: Petherton canal, between lots 156 and 162	8/29/2017	7:16	4.5	59%	Surfc	None	None
		SB06: Brandywine Canal	8/22/2017	7:30	4.6	64%	Surfc	None	None
			8/29/2017	7:26	0.0	0%	Surfc	None	None
		SB07: Layton Canal, South Bethany	8/15/2017	7:55	4.1	54%	Surfc	None	None
			8/29/2017	7:31	5.0	65%	Surfc	None	None
		SB09: Carlisle canal	8/15/2017	8:03	3.4	45%	Surfc	None	None
			8/22/2017	7:05	0.4	5%	Surfc	None	None
			8/29/2017	7:04	0.1	2%	Surfc	None	None
		SB10E: Russell Canal east dead end	8/22/2017	7:56	2.8	39%	Surfc	None	None
			8/29/2017	7:44	0.1	1%	Surfc	None	None
		SB10W: Russell Canal west dead end	8/29/2017	7:49	3.7	49%	Surfc	None	None
<u>Little Assawoman Bay</u>									
		LA46: Fenwick Island Tide Gauge	8/22/2017	10:17	4.9	70%	Surfc	None	None
		LA48: W. Georgetown St. Canal - Fenwick	8/22/2017	7:40	4.3	60%	Surfc	None	None
Rehoboth Bay									
<u>Bald Eagle Creek</u>									
		RB64: Torquay Canal, west side of Land's End near UD Site #1	8/21/2017	10:48	0.3	5%	Surfc	None	None
			8/28/2017	13:30	3.9	56%	Surfc	None	None
<u>Guinea Creek</u>									
		RB06: Guinea Creek (Winding Creek Village)	8/14/2017	8:18	4.2	56%	Surfc	None	None
			8/21/2017	7:40	3.6	50%	Surfc	None	None
			8/31/2017	8:25	4.8	60%	Surfc	None	None
		RB06A: Guinea Creek @ Rd 298 Bridge	8/21/2017	7:55	3.8	45%	Surfc	None	None
<u>Herring Creek</u>									
		RB90: Burton Prong							

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Rehoboth Bay									
		<u>Herring Creek</u>							
		RB90: Burton Prong							
			8/21/2017	8:20	3.0	41%	Surfc	None	None
		<u>Love Creek</u>							
		RB34: Love Creek at Rt 24 Bridge							
			8/21/2017	10:24	4.2	61%	Surfc	None	None
		RB80: Upper Love Creek at Webb Landing							
			8/14/2017	7:02	4.2	55%	0.6 m	None	None

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