

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 6/18/2020 and 7/2/2020

University of Delaware Citizen Monitoring Program

Water Body	Tributary	Site	Date	Time	Dissolved Oxygen			Aquatic Vegetation	
					ppm	% Saturation	Depth	On Shore?	In Water?
Assawoman Bay									
		<u>Assawoman Bay</u>							
		AB01: Bayside Point Pier							
		6/19/2020	7:35	4.7	64%	Surfc	None	None	
		6/25/2020	8:10	4.0	59%	Surfc	None	None	
		7/1/2020	7:25	3.9	58%	Surfc	None	None	
Broadkill River									
		<u>Broadkill River</u>							
		BR20: Broadkill River at Milton tidal pond							
		7/1/2020	6:45	4.2	52%	Surfc	None	None	
		<u>Canary Creek</u>							
		BR19: Canary Creek at New Road							
		6/27/2020	18:20	3.7	54%	Surfc	None	None	
		BR40: Canary Creek at Pilottown Rd.							
		6/23/2020	7:33	3.9	54%	Surfc	None	None	
		<u>Prime Hook Creek</u>							
		BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters							
		6/21/2020	8:45	4.6	60%	Surfc	None	None	
		BR53: Foord's Landing, PHNWR							
		6/21/2020	8:30	3.1	38%	Surfc	None	None	
Indian River									
		<u>Assawoman Canal</u>							
		IR50: Assawoman Canal at N end, Ocean View Marina							
		6/19/2020	7:35	3.6	48%	Surfc	None	None	
		6/25/2020	7:35	3.5	51%	Surfc	None	None	
		<u>Indian River</u>							
		IR03: Oak Orchard							
		6/24/2020	8:50	3.4	49%	Surfc	None	None	
		IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive							
		6/26/2020	8:00	4.5	63%	Surfc	None	None	
		IR24: Iron Branch - County road 331 at bridge							
		6/29/2020	8:55	3.6	48%	Surfc	None	None	
		IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore							
		6/23/2020	7:55	2.8	39%	Surfc	Minor	Minor	
		<u>Pepper Creek</u>							
		IR51: Pepper Creek, Creekside							
		6/30/2020	8:30	4.9	63%	Surfc	None	None	
		<u>Vines Creek</u>							
		IR38: Vines Lane							
		6/30/2020	8:30	4.3	62%	Surfc	None	None	
		<u>White Creek</u>							
		IR32: Holly Terrace Acres Canal Dead End, White Creek							
		7/2/2020	8:40	2.2	33%	Surfc	None	None	
Little Assawoman Bay									
		<u>Dirickson Creek</u>							
		LA09: Dirickson Creek at Road 381 bridge.							
		6/22/2020	8:35	2.3	30%	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							
		6/23/2020	7:28	3.8	55%	Surfc	Major	None	
		6/30/2020	7:46	1.8	27%	Surfc	Major	Major	
		SB04: Petherton canal at Rt1							
		6/23/2020	7:35	3.1	43%	Surfc	Major	None	
		SB06: Brandywine Canal							
		6/23/2020	7:46	2.3	34%	Surfc	Major	Minor	
		6/30/2020	7:38	4.4	66%	Surfc	Minor	Minor	
		SB07: Layton Canal, South Bethany							
		6/23/2020	7:18	4.5	65%	Surfc	None	Minor	
		SB09: Carlisle canal							
		6/23/2020	7:04	4.0	58%	Surfc	None	None	
		6/30/2020	6:55	0.5	8%	Surfc	None	None	
		SB10E: Russell Canal east dead end							
		6/30/2020	8:03	3.4	50%	Surfc	Major	Major	
		SB10W: Russell Canal west dead end							
		6/30/2020	8:17	3.2	47%	Surfc	None	Minor	
		SB12: Jefferson Canal West side @ tidal gauge							
		6/23/2020	8:19	4.0	59%	Surfc	None	None	
		6/30/2020	8:09	4.6	69%	Surfc	None	None	
<u>Little Assawoman Bay</u>									
		LA46: Fenwick Island Tide Gauge							
		6/23/2020	8:00	3.6	52%	Surfc	None	None	
		6/30/2020	7:45	3.2	45%	Surfc	None	None	
		LA48: W. Georgetown St. Canal - Fenwick							
		6/23/2020	8:31	3.7	52%	Surfc	None	None	
Rehoboth Bay									
<u>Guinea Creek</u>									
		RB06: Guinea Creek (Winding Creek Village)							
		6/22/2020	8:12	4.0	52%	Surfc	None	None	
		RB06A: Guinea Creek @ Rd 298 Bridge							
		6/22/2020	8:34	2.8	36%	Surfc	None	None	

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