

# Low Dissolved Oxygen

Less than 5.0 ppm

All data between 6/27/2021 and 7/17/2021

University of Delaware Citizen Monitoring Program

Water Body	Tributary	Site	Date	Time	Dissolved Oxygen			Aquatic Vegetation	
					ppm	% Saturation	Depth	On Shore?	In Water?
<b>Assawoman Bay</b>									
		<u>Assawoman Bay</u>							
		AB01: Bayside Point Pier							
		6/28/2021	7:00	4.1	59%	Surfc	None	None	
		7/9/2021	8:40	4.8	69%	Surfc	None	None	
		7/17/2021	7:35	3.5	53%	Surfc	None	None	
<b>Broadkill River</b>									
		<u>Broadkill River</u>							
		BR01: Broadkill river @ PEL dock							
		6/29/2021	8:45	4.0	56%	Surfc	None	None	
		7/14/2021	9:00	4.8	70%	Surfc	None	None	
		<u>Canary Creek</u>							
		BR19: Canary Creek at New Road							
		7/14/2021	11:59	3.4	49%	Surfc	None	None	
<b>Indian River</b>									
		<u>Indian River</u>							
		IR03: Oak Orchard							
		7/12/2021	9:05	3.5	52%	Surfc	None	None	
		IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive							
		7/5/2021	8:00	4.4	62%	Surfc	None	None	
		IR26a: Peterson's pier, Possum Point							
		7/12/2021	10:35	4.4	62%	Surfc	None	None	
		IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore							
		7/13/2021	8:00	4.4	61%	Surfc	Minor	Minor	
		<u>Vines Creek</u>							
		IR38: Vines Lane							
		7/6/2021	9:15	4.9	70%	Surfc	None	None	
<b>Little Assawoman Bay</b>									
		<u>Assawoman Canal</u>							
		LA10: Assawoman Canal S end, Kent Ave Bridge							
		7/6/2021	9:05	2.3	32%	Surfc	None	None	
		<u>Dirickson Creek</u>							
		LA09: Dirickson Creek at Road 381 bridge.							
		7/12/2021	8:24	3.5	45%	Surfc	None	None	
		<u>Jefferson Creek</u>							
		SB01: Anchorage Canal @ Rt 1							
		6/29/2021	7:22	1.7	25%	Surfc	None	None	
		7/6/2021	7:29	1.4	21%	Surfc	None	None	
		7/13/2021	6:39	0.1	2%	Surfc	None	None	
		SB02: Anchorage Canal near elbow							
		6/29/2021	7:55	4.2	60%	Surfc	None	None	
		SB04: Petherton canal at Rt1							
		6/29/2021	7:25	2.2	32%	Surfc	None	None	
		7/6/2021	7:24	3.7	54%	Surfc	None	None	
		7/13/2021	6:45	1.0	14%	Surfc	None	None	
		SB06: Brandywine Canal							
		6/29/2021	7:30	3.0	44%	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.

University of Delaware Citizen Monitoring Program

Water Body	Tributary	Site	Date	Time	Dissolved Oxygen			Aquatic Vegetation	
					ppm	% Saturation	Depth	On Shore?	In Water?
<b>Little Assawoman Bay</b>									
<u>Jefferson Creek</u>									
		SB06: Brandywine Canal							
			7/6/2021	7:20	4.2	61%	Surfc	None	None
			7/13/2021	6:50	3.5	51%	Surfc	None	None
		SB09: Carlisle canal							
			6/29/2021	7:00	3.4	49%	Surfc	None	None
			7/6/2021	6:56	2.7	38%	Surfc	None	None
			7/13/2021	7:08	0.4	6%	Surfc	None	None
		SB10E: Russell Canal east dead end							
			6/29/2021	8:00	3.0	44%	Surfc	None	None
			7/6/2021	7:53	3.5	50%	Surfc	None	None
			7/13/2021	6:23	3.5	51%	Surfc	Minor	None
		SB10W: Russell Canal west dead end							
			6/29/2021	8:12	3.6	53%	Surfc	Minor	None
			7/6/2021	8:10	4.1	59%	Surfc	None	None
			7/13/2021	6:33	4.7	69%	Surfc	None	None
		SB12: Jefferson Canal West side @ tidal gauge							
			6/29/2021	8:07	4.6	67%	Surfc	None	None
<u>Little Assawoman Bay</u>									
		LA42: Narrows Beach, off of Rt. 1 south of South Bethany knee deep wading sample.							
			7/12/2021	8:24	4.8	69%	Surfc	None	None
		LA46: Fenwick Island Tide Gauge							
			6/29/2021	8:00	3.2	48%	Surfc	None	None
			7/6/2021	7:00	3.9	55%	Surfc	None	None
			7/13/2021	7:30	3.4	49%	Surfc	None	None
		LA48: W. Georgetown St. Canal - Fenwick							
			7/13/2021	8:55	3.0	44%	Surfc	None	None
<b>Nanticoke River</b>									
<u>Broad Creek</u>									
		PREC: Record's Pond							
			7/7/2021	10:20	4.4		Surfc	None	None
<b>Rehoboth Bay</b>									
<u>Bald Eagle Creek</u>									
		RB64: Torquay Canal, west side of Land's End near UD Site #1							
			6/28/2021	9:12	3.0	44%	Surfc	None	None
			7/12/2021	9:07	4.4	68%	Surfc	None	None
<u>Guinea Creek</u>									
		RB06A: Guinea Creek @ Rd 298 Bridge							
			7/12/2021	8:04	3.6	44%	Surfc	None	None
<u>Rehoboth Bay</u>									
		RB38: Joy Beach-bay							
			6/29/2021	10:10	3.2	49%	Surfc	None	None
			7/13/2021	11:15	4.0	61%	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.

**University of Delaware Citizen Monitoring Program**