

# Low Dissolved Oxygen

Less than 5.0 ppm

All data between 8/29/2020 and 9/30/2020

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							
			9/5/2020	8:05	4.1	58%	Surfc	None	None
<b>Broadkill River</b>									
		<u>Broadkill River</u>							
		BR20: Broadkill River at Milton tidal pond							
			9/2/2020	7:35	4.4	54%	Surfc	Minor	Minor
			9/9/2020	7:45	4.6	55%	Surfc	Minor	Minor
		<u>Canary Creek</u>							
		BR19: Canary Creek at New Road							
			9/16/2020	11:40	4.3	53%	Surfc	None	None
		BR40: Canary Creek at Pilottown Rd.							
			9/8/2020	6:33	3.8	50%	Surfc	None	None
		<u>Turkle Pond</u>							
		BR50: Turkle Pond, PHNWR							
			9/2/2020	8:00	3.5	43%	Surfc	None	None
<b>Indian River</b>									
		<u>Indian River</u>							
		IR03: Oak Orchard							
			9/8/2020	9:00	3.1	44%	Surfc	None	None
			9/28/2020	9:05	3.2	41%	Surfc	None	None
			9/29/2020	9:05	4.1		Surfc	None	None
		IR12: Broken marshes, 1/4 mile SE of Quillens Point - 300 Bayfront Drive							
			8/29/2020	8:00	3.4	50%	Surfc	None	None
			9/28/2020	8:00	4.5	60%	Surfc	None	None
		<u>Pepper Creek</u>							
		IR51: Pepper Creek, Creekside							
			9/1/2020	7:45	4.5	62%	Surfc	None	None
		<u>Vines Creek</u>							
		IR38: Vines Lane							
			9/1/2020	8:15	4.0	55%	Surfc	None	None
			9/22/2020	9:00	4.9	56%	Surfc	None	None
			9/29/2020	8:30	4.5	60%	Surfc	None	None
<b>Little Assawoman Bay</b>									
		<u>Jefferson Creek</u>							
		SB01: Anchorage Canal @ Rt 1							
			9/1/2020	7:21	1.1	16%	Surfc	None	None
			9/8/2020	7:29	0.9	12%	Surfc	None	None
			9/15/2020	7:30	1.8	24%	Surfc	None	None
			9/22/2020	7:29	4.0	49%	Surfc	None	None
		SB02: Anchorage Canal near elbow							
			9/1/2020	7:54	3.0	42%	Surfc	None	None
			9/8/2020	7:57	3.3	48%	Surfc	None	None
			9/15/2020	8:06	3.5	48%	Surfc	None	None
		SB04: Petherton canal at Rt1							
			9/1/2020	7:26	2.4	34%	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?
<b>Little Assawoman Bay</b>									
<u>Jefferson Creek</u>									
		SB04: Petherton canal at Rt1							
		9/8/2020	7:33	0.9	13%	Surfc	None	None	
		9/15/2020	7:54	1.7	22%	Surfc	None	None	
		9/22/2020	7:36	4.7	56%	Surfc	None	None	
		SB05: Petherton canal, between lots 156 and 162							
		9/1/2020	7:46	4.7	67%	Surfc	None	None	
		9/8/2020	7:47	3.4	49%	Surfc	None	None	
		9/15/2020	7:38	3.4	45%	Surfc	None	None	
		SB06: Brandywine Canal							
		9/1/2020	7:34	1.1	16%	Surfc	None	None	
		9/8/2020	7:39	1.3	18%	Surfc	None	None	
		9/15/2020	7:48	1.5	20%	Surfc	None	None	
		9/22/2020	7:41	4.6	56%	Surfc	None	None	
		SB07: Layton Canal, South Bethany							
		9/1/2020	7:14	3.9	55%	Surfc	None	None	
		9/8/2020	7:20	4.3	61%	Surfc	None	None	
		9/15/2020	7:19	3.8	51%	Surfc	None	None	
		SB09: Carlisle canal							
		9/1/2020	7:02	1.0	14%	Surfc	None	None	
		9/8/2020	7:05	0.8	11%	Surfc	None	None	
		9/15/2020	7:10	3.7	50%	Surfc	None	None	
		9/22/2020	7:01	3.7	47%	Surfc	None	None	
		SB10E: Russell Canal east dead end							
		9/1/2020	8:00	1.4	19%	Surfc	None	None	
		9/8/2020	8:04	0.5	7%	Surfc	None	None	
		9/15/2020	8:14	0.2	3%	Surfc	None	None	
		9/22/2020	8:10	3.6	44%	Surfc	None	None	
		SB10W: Russell Canal west dead end							
		9/1/2020	8:12	1.4	20%	Surfc	None	None	
		9/8/2020	8:19	0.5	7%	Surfc	None	None	
		9/15/2020	8:30	0.2	2%	Surfc	None	None	
		9/22/2020	8:27	4.2	52%	Surfc	None	None	
		SB12: Jefferson Canal West side @ tidal gauge							
		9/1/2020	8:06	3.8	54%	Surfc	None	None	
		9/8/2020	8:12	4.0	58%	Surfc	None	None	
		9/15/2020	8:23	4.1	55%	Surfc	None	None	
		SB13: South end of York Canal							
		9/1/2020	7:07	2.7	39%	Surfc	None	None	
		9/8/2020	7:11	4.9	70%	Surfc	None	None	
<u>Little Assawoman Bay</u>									
		LA42: Narrows Beach, off of Rt. 1 south of South Bethany knee deep wading sample.							
		8/31/2020	8:45	3.7	51%	Surfc	None	None	
		LA46: Fenwick Island Tide Gauge							
		9/1/2020	7:30	3.6	50%	Surfc	None	None	
		9/8/2020	7:30	3.5	49%	Surfc	None	None	
		9/15/2020	7:00	4.4	55%	Surfc	None	None	
		9/29/2020	8:00	4.8	65%	Surfc	None	None	
		LA48: W. Georgetown St. Canal - Fenwick							
		9/8/2020	9:34	3.4	49%	Surfc	None	None	
		9/29/2020	9:34	4.5	61%	Surfc	None	None	

**Nanticoke River**

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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					ppm	% Saturation	Depth	On Shore?	In Water?
<b>Nanticoke River</b>									
		PREC: Record's Pond	9/3/2020	9:23	3.5	43%	Surfc	None	None
	<u>Broad Creek</u>	PTR: Trap Pond	9/3/2020	9:01	3.1	39%	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	9/14/2020	10:39	2.1	29%	Surfc	None	None
<b>Rehoboth Beach</b>									
	<u>Lake Gerar</u>	RL10: Lake Gerar bridge	9/10/2020	9:53	2.3	29%	Surfc	None	None
		RL11: Lake Gerar, outlet to ocean	9/10/2020	10:01	5.0	61%	Surfc	None	None

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