

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 7/2/2024 and 7/15/2024

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							
		7/12/2024	7:40	4.7	68%	Surfc	Minor	None	
Indian River									
		<u>Indian River</u>							
		IR07: Holt's Landing State Park							
		7/5/2024	8:46	4.7	66%	Surfc	None	None	
		7/12/2024	8:30	3.6	53%	Surfc	None	None	
		IR24: Iron Branch - County road 331 at bridge							
		7/3/2024	9:45	4.2	56%	1.0 m	None	None	
		7/3/2024	9:47	2.5	34%	2.0 m	None	None	
		IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore							
		7/9/2024	8:12	4.1	58%	Surfc	None	Minor	
		<u>Vines Creek</u>							
		IR38: Vines Lane							
		7/9/2024	7:30	3.9	58%	Surfc	None	None	
Little Assawoman Bay									
		<u>Dirickson Creek</u>							
		LA03: Mulberry Landing							
		7/8/2024	8:15	4.9	74%	Surfc	None	None	
		LA09: Dirickson Creek at Road 381 bridge							
		7/8/2024	8:52	2.7	39%	Surfc	None	None	
		7/8/2024	8:54	2.5	37%	1.0 m	None	None	
		7/8/2024	8:56	2.8	42%	2.0 m	None	None	
		<u>Jefferson Creek</u>							
		SB01: Anchorage Canal @ Rt 1							
		7/2/2024	7:32	2.3	34%	Surfc	None	None	
		7/9/2024	7:31	1.6	24%	Surfc	None	None	
		SB02: Anchorage Canal near elbow							
		7/2/2024	7:51	3.8	56%	Surfc	None	None	
		7/9/2024	8:34	3.5	52%	Surfc	None	None	
		SB04: Petherton canal at Rt1							
		7/2/2024	7:27	1.7	24%	Surfc	None	None	
		7/9/2024	7:38	1.2	18%	Surfc	None	None	
		SB05: Petherton canal, between lots 156 and 162							
		7/2/2024	7:41	4.5	64%	Surfc	None	None	
		7/9/2024	8:23	3.4	52%	Surfc	None	None	
		SB06: Brandywine Canal							
		7/2/2024	7:21	1.7	25%	Surfc	None	None	
		7/9/2024	8:12	1.5	22%	Surfc	None	None	
		SB07: Layton Canal, South Bethany							
		7/9/2024	7:17	3.8	57%	Surfc	None	None	
		SB09: Carlisle canal							
		7/2/2024	6:57	2.0	28%	Surfc	None	None	
		7/9/2024	7:01	1.0	15%	Surfc	None	None	
		SB10E: Russell Canal east dead end							
		7/2/2024	7:57	1.0	15%	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?
Little Assawoman Bay									
<u>Jefferson Creek</u>									
		SB10E: Russell Canal east dead end	7/9/2024	8:40	1.9	29%	Surfc	None	None
		SB10W: Russell Canal west dead end	7/2/2024	8:15	2.8	42%	Surfc	None	None
			7/9/2024	8:57	1.4	21%	Surfc	None	None
		SB12: Jefferson Canal West side @ tidal gauge	7/9/2024	8:50	4.0	61%	Surfc	None	None
		SB13: South end of York Canal	7/9/2024	7:06	2.8	42%	Surfc	None	None
<u>Little Assawoman Bay</u>									
		LA46: Fenwick Island Tide Gauge	7/9/2024	8:45	4.4	67%	Surfc	None	None
		LA48: W. Georgetown St. Canal - Fenwick	7/9/2024	7:58	3.9	57%	Surfc	None	None
Rehoboth Bay									
<u>Bald Eagle Creek</u>									
		RB64: Torquay Canal, west side of Land's End near UD Site #1	7/8/2024	9:05	2.2	34%	Surfc	None	None
<u>Guinea Creek</u>									
		RB06: Guinea Creek (Winding Creek Village)	7/8/2024	7:50	3.9	58%	Surfc	None	None
		RB06A: Guinea Creek @ Rd 298 Bridge	7/8/2024	8:09	2.4	32%	Surfc	None	None
Rehoboth Beach									
<u>Lake Comegys</u>									
		RL03: Lake Comegys, dock at Lake Comegys Community	7/3/2024	8:16	4.4	54%	Surfc	None	None
			7/10/2024	7:50	3.1	40%	Surfc	None	None
<u>Lake Gerar</u>									
		RL10: Lake Gerar bridge	7/3/2024	9:15	4.8	60%	Surfc	None	None
			7/10/2024	9:10	4.3	57%	Surfc	None	None
		RL11: Lake Gerar, outlet to ocean	7/10/2024	9:18	4.6	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