

Harmful Algae Report

All data between 7/6/2016 and 7/21/2016

University of Delaware Citizen Monitoring Program

Water Body <u>Tributary</u> Site	Date	Time	Sample Depth	Name	Comment if ID uncertain	Abundance	MC/L
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Broadkill River

Broadkill River

BR01: Broadkill river @ PEL dock.

7/6/2016	8:45	Net		<i>Chaetoceros spp. (T)</i>			
				<i>Gyrodinium instriatum (B)</i>			
				<i>Heterocapsa rotundata (B)</i>			
				<i>Heterocapsa triquetra (B)</i>			
				<i>Kryptoperidinium foliaceum (B)</i>			
				<i>Prorocentrum micans (B)</i>			
				<i>Prorocentrum minimum (T)</i>			
				<i>Protoperidinium quinquecorne (B)</i>			
				<i>Scrippsiella sp. (B)</i>			
		Surfc		<i>Gyrodinium instriatum (B)</i>		Common	0.113
				<i>Heterocapsa rotundata (B)</i>		Common	0.238
				<i>Heterocapsa triquetra (B)</i>		Present	
				<i>Prorocentrum minimum (T)</i>		Present	
				<i>Prorocentrum triestinum (B)</i>		Common	0.400
				<i>Scrippsiella sp. (B)</i>		Present	
7/13/2016		Net		<i>Heterocapsa rotundata (B)</i>			
				<i>Prorocentrum minimum (T)</i>			
				<i>Prorocentrum scutellum (B)</i>			
				<i>Prorocentrum triestinum (B)</i>			
				<i>Scrippsiella sp. (B)</i>			

Delaware Bay

Delaware Bay

DB01: End of Cape Shores pier

7/19/2016	8:12	Surfc		<i>Gyrodinium instriatum (B)</i>		Present	
				<i>Heterocapsa rotundata (B)</i>		Common	0.250
				<i>Heterocapsa triquetra (B)</i>		Present	
				<i>Prorocentrum minimum (T)</i>		Common	0.100
				<i>Prorocentrum triestinum (B)</i>		Common	0.163

Indian River

Pepper Creek

IR51: Pepper Creek, Creekside

7/12/2016	8:55	Surfc		<i>Gyrodinium instriatum (B)</i>		Present	
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Vines Creek

IR38: Vines Lane

7/12/2016	7:00	Surfc		<i>Heterocapsa rotundata (B)</i>		Common	0.125
				<i>Heterocapsa triquetra (B)</i>		Present	
				<i>Prorocentrum minimum (T)</i>		Common	0.113
				<i>Prorocentrum triestinum (B)</i>		Common	0.150

Little Assawoman Bay

Little Assawoman Bay

LA46: Fenwick Island Tide Gauge

7/12/2016	10:08	Surfc		<i>Heterocapsa rotundata (B)</i>		Common	0.188
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Name subsripts: (B) - nontoxic bloom former; (B*) - nontoxic bloom former reported only at levels > 10 MC/L; (S) - cell similar to a known toxic cell; (T) - potentially toxic cell. MC/L - Million Cells per Liter.

Abundance Levels: Not Found: Looked for, but no cells found; Very Rare: < 0.001 MC/L; Rare 0.001 - 0.01 MC/L; Present: 0.01 - 0.1 MC/L; Common: 0.1 - 1 MC/L; Many: 1 - 10 MC/L; Abundant: 10 - 100 MC/L; Very Abundant: > 100 MC/L.

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Little Assawoman Bay							
<u>Little Assawoman Bay</u>							
LA46: Fenwick Island Tide Gauge							
	7/12/2016	10:08	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.113
				<i>Prorocentrum micans (B)</i>		Present	
				<i>Prorocentrum minimum (T)</i>		Present	
				<i>Prorocentrum triestinum (B)</i>		Common	0.188
Rehoboth Bay							
<u>Guinea Creek</u>							
RB06: Guinea Creek (Winding Creek Village)							
	7/12/2016	7:14	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
				<i>Heterocapsa rotundata (B)</i>		Common	0.163
				<i>Kryptoperidinium foliaceum (B)</i>		Common	0.125
				<i>Prorocentrum minimum (T)</i>		Common	0.475
				<i>Prorocentrum triestinum (B)</i>		Common	0.165
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	7/12/2016	9:00	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
				<i>Chloromorom toxicum (T)</i>		Present	
				<i>Gyrodinium instriatum (B)</i>		Present	
				<i>Heterocapsa rotundata (B)</i>		Present	

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