

Harmful Algae Report

All data between 6/15/2016 and 7/7/2016

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.

	6/29/2016	8:55	Net	<i>Gyrodinium instriatum</i> (B)			
				<i>Heterocapsa rotundata</i> (B)			
				<i>Heterocapsa triquetra</i> (B)			
				<i>Kryptoperidinium foliaceum</i> (B)			
				<i>Prorocentrum minimum</i> (T)			
				<i>Prorocentrum triestinum</i> (B)			
			Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.013
				<i>Gyrodinium instriatum</i> (B)		Present	
				<i>Heterocapsa rotundata</i> (B)		Present	
				<i>Heterocapsa triquetra</i> (B)		Present	
				<i>Prorocentrum micans</i> (B)		Present	
				<i>Prorocentrum minimum</i> (T)		Present	
	7/6/2016	8:45	Net	<i>Chaetoceros spp.</i> (T)			
				<i>Gyrodinium instriatum</i> (B)			
				<i>Heterocapsa rotundata</i> (B)			
				<i>Heterocapsa triquetra</i> (B)			
				<i>Kryptoperidinium foliaceum</i> (B)			
				<i>Prorocentrum micans</i> (B)			
				<i>Prorocentrum minimum</i> (T)			
				<i>Protoperidinium quinquecorne</i> (B)			
				<i>Scrippsiella sp.</i> (B)			
			Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.113
				<i>Heterocapsa rotundata</i> (B)		Common	0.238
				<i>Heterocapsa triquetra</i> (B)		Present	
				<i>Prorocentrum minimum</i> (T)		Present	
				<i>Prorocentrum triestinum</i> (B)		Common	0.400
				<i>Scrippsiella sp.</i> (B)		Present	

Delaware Bay

Delaware Bay

DB01: End of Cape Shores pier

	6/28/2016	8:14	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
				<i>Heterocapsa rotundata</i> (B)		Common	0.300
				<i>Heterocapsa triquetra</i> (B)		Present	
				<i>Kryptoperidinium foliaceum</i> (B)		Common	0.175
				<i>Prorocentrum gracile</i> (B)		Present	
				<i>Prorocentrum minimum</i> (T)		Present	

Indian River

Indian River

IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore

	6/21/2016	7:25	Surfc		No HABs found		
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Little Assawoman Bay

Little Assawoman Bay

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.

University of Delaware Citizen Monitoring Program

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

Little Assawoman Bay

Little Assawoman Bay

LA46: Fenwick Island Tide Gauge

6/21/2016	10:13	Surfc	<i>Gyrodinium instriatum (B)</i>		Present		
			<i>Heterocapsa rotundata (B)</i>		Common	0.163	
			<i>Prorocentrum triestinum (B)</i>		Present		

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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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