

# Harmful Algae Report

Delaware Inland Bays Citizen Monitor Program

All data from 5/1/03

Water Body	Tributary	Site	Date	Name	Comment if ID uncertain	Abundance	MCL
<b>Assawoman Bay</b>							
	<u>Roy Creek</u>						
		BA02: Keenwick Sound, entrance to canal system					
			5/ 5/03	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Many	2.0
			5/ 5/03	<i>Amphidinium sp. (T)</i>	Arrowhead	Present	
			5/ 5/03	<i>Gyrodinium instriatum (B)</i>		Present	
			5/21/03	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Many	4.0
			5/21/03	<i>Gyrodinium instriatum (B)</i>		Present	
			5/21/03	<i>Prorocentrum minimum (T)</i>		Present	0.1
<b>Assawoman Canal</b>							
		LA10: BB: Assawoman Canal @ Kent Ave Bridge					
			5/ 4/03	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
			5/ 4/03	<i>Heterocapsa rotundatum (B)</i>		Present	
			5/18/03	<i>Heterocapsa rotundatum (B)</i>		Present	
			5/25/03	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
<b>Indian River</b>							
		IR04: Warwick Cove					
			5/ 5/03	<i>Heterocapsa rotundatum (B)</i>		Present	
			5/19/03	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
			5/19/03	<i>Heterocapsa rotundatum (B)</i>		Present	
		IR11: Big Ditch Point					
			5/ 5/03	<i>"Gymnodinoid" sp. (S)</i>	10-15 um Grn	Present	
			5/19/03	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
			5/19/03	<i>Prorocentrum minimum (T)</i>		Present	
		IR20: Bay Colony					
			5/ 5/03	<i>Heterocapsa rotundatum (B)</i>		Present	
	<u>White Creek</u>						
		IR32: Holly Terrace Acres					
			5/19/03	<i>Dinophysis sp. (T)</i>		Present	
<b>Lewes - Rehoboth Canal</b>							
		RB02: Lewes - Rehoboth Canal at Lewes					
			5/ 7/03	<i>Heterocapsa rotundatum (B)</i>		Present	
			5/12/03	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
			5/20/03	<i>"Gymnodinoid" sp. (S)</i>	25-30 um Grn Rnd	Present	
			5/20/03	<i>Heterocapsa rotundatum (B)</i>		Present	
			5/27/03	<i>Heterocapsa rotundatum (B)</i>		Present	
		RB45: Lewes-Rehoboth Canal - Rehoboth					
			5/18/03	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
			5/18/03	<i>"Gymnodinoid" sp. (S)</i>	20 um Clr	Present	
			5/18/03	<i>Heterosigma akashiwo. (T)</i>		Present	
			5/18/03	<i>Prorocentrum minimum (T)</i>		Present	

Name subsripts: (B) - nontoxic bloom former; (S) - cell similar to a known toxic cell; (T) - potentially toxic cell.

MCL - Million Cells per Liter. Abundance Levels: Not Found: Looked for, but no cells found; Present: < 0.1 MCL; Common: 0.1 - 1 MCL; Many: 1 - 10 MCL; Abundant: 10 - 100 MCL; Very Abundant: > 100 MCL.

## Delaware Inland Bays Citizen Monitoring Program

30-May-03

University of Delaware SGMAS, 700 Pilottown Rd, Lewes, DE 19958 (302) 645-4252

Page 1 of 3

Water Body	Tributary	Site	Date	Name	Comment if ID uncertain	Abundance	MCL
<b>Lewes - Rehoboth Canal</b>							
		RB45: Lewes-Rehoboth Canal - Rehoboth					
			5/18/03	<i>Prorocentrum minimum</i> (T)		Present	
			5/19/03	" <i>Gymnodinioid</i> " sp. (S)	10 um Clear	Present	
			5/19/03	<i>Heterocapsa rotundatum</i> (B)		Present	
			5/19/03	<i>Heterocapsa triquetra</i> (B)		Present	
			5/19/03	<i>Heterosigma akashiwo</i> . (T)		Present	
			5/19/03	<i>Prorocentrum minimum</i> (T)		Present	
<b>Little Assawoman Bay</b>							
	<u>Dirickson Creek</u>						
		LA03: Mulberry Landing					
			5/ 5/03	" <i>Gymnodinioid</i> " sp. (S)	20 um Lt Grn	Present	
			5/19/03	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	<u>Jefferson Creek</u>						
		SB10E: SB: Russell Canal east dead end					
			5/ 4/03	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Common	0.2
			5/ 4/03	<i>Heterocapsa rotundatum</i> (B)		Present	
			5/ 4/03	<i>Prorocentrum minimum</i> (T)		Common	0.3
			5/10/03	" <i>Gymnodinioid</i> " sp. (S)	20 um Clr	Present	
			5/10/03	<i>Prorocentrum minimum</i> (T)		Common	0.1
			5/18/03	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Common	0.5
			5/18/03	<i>Amphidinium</i> sp. (T)	Arrowhead	Present	
			5/18/03	<i>Heterocapsa rotundatum</i> (B)		Present	
			5/18/03	<i>Heterosigma akashiwo</i> . (T)		Present	
			5/18/03	<i>Prorocentrum minimum</i> (T)		Common	0.1
			5/25/03	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
			5/25/03	<i>Prorocentrum minimum</i> (T)		Present	
		SB10W: SB: Russell Canal west dead end					
			5/ 4/03	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
			5/ 4/03	<i>Prorocentrum minimum</i> (T)		Common	0.1
			5/10/03	<i>Prorocentrum minimum</i> (T)		Common	0.1
			5/18/03	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
			5/18/03	<i>Heterosigma akashiwo</i> . (T)		Present	
			5/18/03	<i>Prorocentrum minimum</i> (T)		Present	
			5/25/03	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Common	0.1
			5/25/03	<i>Heterosigma akashiwo</i> . (T)		Present	
<b>Rehoboth Bay</b>							
		RB07: West Bay Park					
			5/ 5/03	" <i>Gymnodinioid</i> " sp. (S)	10-15 um Grn	Present	
			5/ 5/03	<i>Heterocapsa rotundatum</i> (B)		Common	
			5/ 5/03	<i>Heterocapsa triquetra</i> (B)		Present	
			5/ 5/03	<i>Heterosigma akashiwo</i> . (T)		Present	
			5/19/03	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
			5/19/03	<i>Heterocapsa triquetra</i> (B)		Present	
	<u>Guinea Creek</u>						
		RB05: Mouth of Guinea Creek (Pot Nets Creekside)					

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<b>Rehoboth Bay</b>							
<u>Guinea Creek</u>							
		RB05: Mouth of Guinea Creek (Pot Nets Creekside)					
			5/ 5/03	<i>Prorocentrum minimum (T)</i>		Common	0.8
			5/19/03	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
			5/19/03	<i>Prorocentrum minimum (T)</i>		Common	0.3
		RB06: Guinea Creek (Winding Creek Village)					
			5/ 5/03	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
			5/ 5/03	<i>Prorocentrum minimum (T)</i>		Present	
			5/ 5/03	<i>Prorocentrum minimum (T)</i>		Common	0.1
		RB06A: Guinea Creek @ Rd 298 Bridge					
			5/19/03	<i>Prorocentrum minimum (T)</i>		Present	
<u>Herring Creek</u>							
		RB04: Herring Creek, Mid-Section					
			5/ 4/03	<i>"Gymnodinioid" sp. (S)</i>	10-15 um Grn	Common	0.5
			5/ 4/03	<i>Prorocentrum minimum (T)</i>		Many	1.3
			5/18/03	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
			5/18/03	<i>Prorocentrum minimum (T)</i>		Common	
		RB40: Burton Prong					
			5/ 5/03	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
			5/ 5/03	<i>Prorocentrum minimum (T)</i>		Common	0.1
			5/19/03	<i>Prorocentrum minimum (T)</i>		Present	
<u>Love Creek</u>							
		RB34: Love Creek at Rt 24 Bridge					
			5/ 5/03	<i>"Gymnodinioid" sp. (S)</i>	10-15 um Grn	Present	
			5/ 5/03	<i>Heterocapsa rotundatum (B)</i>		Present	
			5/ 5/03	<i>Heterocapsa triquetra (B)</i>		Present	
			5/ 5/03	<i>Heterosigma akashiwo. (T)</i>		Common	0.6
			5/ 5/03	<i>Prorocentrum minimum (T)</i>		Present	
<u>Torquay Canal</u>							
		RB46: Torquay Canal at bulkhead					
			5/21/03	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
			5/21/03	<i>Amphidinium sp. (T)</i>	Arrowhead	Common	0.1
			5/21/03	<i>Dinophysis sp. (T)</i>		Present	0.0
			5/21/03	<i>Heterocapsa rotundatum (B)</i>		Common	0.2
			5/21/03	<i>Heterosigma akashiwo. (T)</i>		Many	4.4
			5/21/03	<i>Prorocentrum minimum (T)</i>		Present	0.1

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