

# Harmful Algae Report

All data between 9/16/2005 and 10/25/2005

Delaware Inland Bays Citizen Monitor Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Assawoman Bay</b>							
<u>Roy Creek</u>							
BA01: Keenwick on Bay, Roy Creek							
	9/26/2005	9:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/26/2005	9:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/18/2005	9:08	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
<b>Assawoman Canal</b>							
IR50: Assawoman Canal at N end, marina dock							
	9/27/2005	8:35	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/27/2005	8:35	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/18/2005	9:07	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	10/18/2005	9:07	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
LA10: Assawoman Canal @ Kent Ave Bridge							
	9/19/2005	8:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/19/2005	8:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/19/2005	8:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/19/2005	8:20	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/26/2005	8:15	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/26/2005	8:15	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/26/2005	8:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/3/2005	8:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	10/3/2005	8:30	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	10/3/2005	8:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	10/3/2005	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/17/2005	8:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	10/17/2005	8:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	9/26/2005	9:10	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/26/2005	9:10	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/26/2005	9:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/26/2005	9:10	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	10/6/2005	8:38	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	10/6/2005	8:38	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	6.03
	10/6/2005	8:38	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.28
	10/6/2005	8:38	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	10/6/2005	8:38	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	10/17/2005	9:14	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	9/27/2005	8:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	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

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Assawoman Canal</b>							
<u>Bethany Loop Canal</u>							
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	9/27/2005	8:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/27/2005	8:20	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/27/2005	8:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/18/2005	10:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
<b>Broadkill River</b>							
BR01: Broadkill river @ PEL dock.							
	9/28/2005	10:40	Net	<i>Chaetoceros sp. (T)</i>		Present	
	9/28/2005	10:40	Net	<i>Ditylum sp. (T)</i>		Present	
	9/28/2005	10:40	Net	<i>Pseudo-nitzschia spp. (T)</i>		Present	
	9/28/2005	10:40	Net	<i>Rhizosolenia spp. (T)</i>		Present	
	9/28/2005	10:40	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/28/2005	10:40	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
	10/2/2005	9:20	Net	<i>Chaetoceros sp. (T)</i>		Present	
	10/2/2005	9:20	Net	<i>Ditylum sp. (T)</i>		Present	
	10/2/2005	9:20	Net	<i>Prorocentrum lima (T)</i>		Present	
	10/2/2005	9:20	Net	<i>Pseudo-nitzschia spp. (T)</i>		Present	
	10/2/2005	9:20	Net	<i>Rhizosolenia spp. (T)</i>		Present	
	10/18/2005	9:55	Surfc		No HABs found		
	10/18/2005	10:00	Net	<i>Ditylum sp. (T)</i>		Present	
	10/18/2005	10:00	Net	<i>Prorocentrum mexicanum (T)</i>		Present	
BR20: Broadkill River at Milton tidal pond							
	9/28/2005	10:48	Surfc		No HABs found		
	10/19/2005	11:04	Surfc		No HABs found		
<u>Old Mill Creek</u>							
BR21: Old Mill Creek downstream from Red Mill Pond							
	9/28/2005	11:48	Surfc	<i>Amphidinium sp. (T)</i>		Present	
	9/28/2005	11:48	Surfc	<i>Anabaena (T)</i>		Many	2.75
	9/28/2005	11:48	Surfc	<i>Chaetoceros sp. (T)</i>		Common	0.11
	9/28/2005	11:48	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/28/2005	11:48	Surfc	<i>Heterosigma akashiwo. (T)</i>		Many	5.50
	9/28/2005	11:48	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/28/2005	11:48	Surfc	<i>Microcystis (T)</i>		Common	0.15
	10/19/2005	11:42	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
<b>Delaware Bay</b>							
<u>Canary Creek</u>							
BR19: Canary Creek at New Road							
	9/28/2005	10:16	Surfc	<i>Chaetoceros sp. (T)</i>		Common	0.17
	9/28/2005	10:16	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/28/2005	10:16	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	10/18/2005	9:35	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
BR40: Canary Creek at Pilottown Rd							

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

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<b>Delaware Bay</b>							
<u>Canary Creek</u>							
BR40: Canary Creek at Pilottown Rd							
	9/28/2005	10:25	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
	10/18/2005	9:42	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/19/2005	9:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	10/19/2005	9:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
<b>Indian River</b>							
IR04: Warwick Cove							
	9/26/2005	10:22	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	10/17/2005	10:08	Surfc		No HABs found		
IR07: Holt's Landing State Park							
	9/27/2005	9:10	Surfc		No HABs found		
	10/18/2005	9:39	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR11: Big Ditch Point							
	9/26/2005	8:15	Surfc		No HABs found		
	10/17/2005	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR20: Bay Colony							
	9/26/2005	8:20	Surfc		No HABs found		
	10/17/2005	8:15	Surfc		No HABs found		
IR21: Inlet to Boat House Pond							
	9/26/2005	8:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	10/17/2005	8:00	Surfc		No HABs found		
IR36B: James Farm, Pasture Point							
	9/20/2005	7:30	Surfc		No HABs found		
	10/5/2005	8:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	10/19/2005	9:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR41B: Indian River buoy #1							
	9/22/2005	11:37	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/22/2005	11:37	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR42B: Indian River buoy # 26							
	9/22/2005	11:20	Surfc		No HABs found		
IR43B: Indian River buoy #22							
	9/22/2005	11:30	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
IR5S: DNREC site, Upper Indian River							
	9/22/2005	11:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	10-15 um Grn	Present	
	9/22/2005	11:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/22/2005	11:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/22/2005	11:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/22/2005	11:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/22/2005	11:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
<u>Pot Nets Bayside</u>							
IR22: Crab Alley Marina #1							
**Day of fish kill**	10/6/2005	13:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	10/6/2005	13:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	10-15 um Grn	Present	

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<b>Indian River</b>							
<u>Pot Nets Bayside</u>							
IR22: Crab Alley Marina #1							
	10/6/2005	13:00	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	10/6/2005	13:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Many	2.40
	10/6/2005	13:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.11
	10/6/2005	13:00	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
<u>White Creek</u>							
IR23: Bethany Marina							
	9/20/2005	8:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.10
	9/20/2005	8:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/20/2005	8:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/20/2005	8:00	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	10/5/2005	7:15	Surfc	<i>Amphidinium sp. (T)</i>		Present	
	10/5/2005	7:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/19/2005	8:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	10/19/2005	8:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
IR23A: Deadend of North Lagoon							
	9/20/2005	8:35	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/20/2005	8:35	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/5/2005	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.11
	10/5/2005	8:30	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.14
IR32: Holly Terrace Acres							
	9/22/2005	8:42	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.15
	9/22/2005	8:42	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/22/2005	8:42	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/26/2005	9:37	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/26/2005	9:37	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/26/2005	9:37	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/18/2005	9:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR59: White Creek - west prong near Food Lion							
	9/27/2005	8:55	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/18/2005	9:24	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	10/18/2005	9:24	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	1.99
	10/18/2005	9:24	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR60A: 4 Cristy Lane, Ocean View; E Branch of White Creek							
	9/27/2005	8:46	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/27/2005	8:46	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/27/2005	8:46	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/27/2005	8:46	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	10/18/2005	9:15	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	10/18/2005	9:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	

**Lewes - Rehoboth Canal**

RB02: Lewes - Rehoboth Canal at Lewes

9/19/2005 8:30 Net *"Gymnodinioid" sp. (S)* 15-25 um Grn Present

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
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**Lewes - Rehoboth Canal**

RB02: Lewes - Rehoboth Canal at Lewes

9/19/2005	8:30	Net		<i>Chaetoceros sp. (T)</i>		Present	
9/19/2005	8:30	Net		<i>Rhizosolenia spp. (T)</i>		Present	
9/19/2005	8:30	Surfc		<i>Heterocapsa rotundata (B)</i>		Present	
9/19/2005	8:30	Surfc		<i>Prorocentrum gracile (B)</i>		Present	
9/28/2005	7:45	Net			No HABs found		
9/28/2005	7:45	Surfc		<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
9/28/2005	7:45	Surfc		<i>Heterocapsa rotundata (B)</i>		Present	
10/3/2005	8:30	Net		<i>Amphidinium sp. (T)</i>		Present	
10/3/2005	8:30	Surfc			No HABs found		
10/10/2005	8:30	Net		<i>Heterocapsa rotundata (B)</i>		Present	
10/10/2005	8:30	Surfc		<i>Prorocentrum mexicanum (T)</i>		Present	
10/17/2005	8:30	Net			No HABs found		
10/17/2005	8:30	Surfc			No HABs found		

**Little Assawoman Bay**

LA15B: Red channel marker #12

9/19/2005	7:59	Surfc			No HABs found		
10/3/2005	8:15	Surfc			No HABs found		

LA35B: Red Channel marker #28, across from Miller Creek

9/19/2005	7:49	Surfc		<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
10/3/2005	8:02	Surfc		<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
10/3/2005	8:02	Surfc		<i>Heterocapsa rotundata (B)</i>		Present	

LA42B: Narrows, South of state beach at point

9/19/2005	7:53	Surfc		<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
10/3/2005	8:07	Surfc		<i>Heterocapsa rotundata (B)</i>		Present	

LA45: Fenwick Island Bayside

9/26/2005	7:55	Surfc		<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
9/26/2005	7:55	Surfc		<i>Heterocapsa rotundata (B)</i>		Present	
9/26/2005	7:55	Surfc		<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
10/18/2005	8:10	Surfc		<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	

Dirickson Creek

LA09: Dirickson Creek at Road 381 bridge.

9/27/2005	8:45	Surfc		<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
9/27/2005	8:45	Surfc		<i>Chattonella cf. verruculosa (T)</i>		Common	0.19
9/27/2005	8:45	Surfc		<i>Chattonella subsalsa (T)</i>		Present	
9/27/2005	8:45	Surfc		<i>Gyrodinium instriatum (B)</i>		Present	
9/27/2005	8:45	Surfc		<i>Heterocapsa rotundata (B)</i>		Common	0.14
9/27/2005	8:45	Surfc		<i>Heterosigma akashiwo. (T)</i>		Common	0.16
10/17/2005	8:47	Surfc		<i>Chattonella cf. verruculosa (T)</i>		Present	
10/17/2005	8:47	Surfc		<i>Gyrodinium instriatum (B)</i>		Present	
10/17/2005	8:47	Surfc		<i>Heterocapsa rotundata (B)</i>		Common	0.10

LA20: Swann Keys: boat ramp at S end of Blue Teal Rd

9/27/2005	9:40	Surfc		<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.14
9/27/2005	9:40	Surfc		<i>Heterocapsa rotundata (B)</i>		Present	

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<b>Little Assawoman Bay</b>							
<u>Dirickson Creek</u>							
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	10/18/2005	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
LA22B: Dirickson Creek upper section between Williams Creek and the LA09, mid channel near duck blind.							
	9/19/2005	8:10	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/19/2005	8:10	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	9/19/2005	8:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/3/2005	8:27	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	10/3/2005	8:27	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
<u>Jefferson Creek</u>							
SB10E: SB: Russell Canal east dead end							
	9/22/2005	8:18	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.10
	9/22/2005	8:18	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	1.04
	9/22/2005	8:18	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	9/22/2005	8:18	Surfc	<i>Fibrocapsa japonica</i> (T)		Common	0.11
	9/22/2005	8:18	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/22/2005	8:18	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	9/26/2005	8:46	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/26/2005	8:46	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	2.24
	9/26/2005	8:46	Surfc	<i>Fibrocapsa japonica</i> (T)		Common	0.16
	10/6/2005	8:20	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.17
	10/6/2005	8:20	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.81
	10/6/2005	8:20	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.13
	10/6/2005	8:20	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	10/17/2005	9:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	10/17/2005	9:05	Surfc	<i>Heterosigma akashiwo</i> . (T)		Many	1.23
	10/17/2005	9:05	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
SB10W: SB: Russell Canal west dead end							
	9/22/2005	8:14	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/22/2005	8:14	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.89
	9/22/2005	8:14	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	9/22/2005	8:14	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/26/2005	8:40	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/26/2005	8:40	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	1.52
	9/26/2005	8:40	Surfc	<i>Fibrocapsa japonica</i> (T)		Common	0.13
	9/26/2005	8:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/26/2005	8:40	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	10/6/2005	8:15	Surfc		No HABs found		
	10/17/2005	9:00	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.38
<u>Miller Creek</u>							
LA31: Double Bridges road bridge at Plantation Park							
	9/27/2005	9:03	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	2.82
	9/27/2005	9:03	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.24

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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**

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Little Assawoman Bay</b>							
<u>Miller Creek</u>							
LA31: Double Bridges road bridge at Plantation Park							
	9/27/2005	9:03	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.25
	9/27/2005	9:03	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	9/27/2005	9:03	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.30
	10/5/2005	9:06	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.13
	10/18/2005	8:58	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
LA33B: Camp Barnes dock - by boat							
	9/19/2005	7:40	Surfc	" <i>Gymnodinoid</i> " sp. (S)	15-25 um Grn	Present	
	9/19/2005	7:40	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/19/2005	7:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.11
	9/19/2005	7:40	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	10/3/2005	7:53	Surfc	" <i>Gymnodinoid</i> " sp. (S)	10-15 um Grn	Present	
	10/3/2005	7:53	Surfc	" <i>Gymnodinoid</i> " sp. (S)	15-25 um Grn	Present	
	10/3/2005	7:53	Surfc	<i>Anabaena</i> (T)		Present	
	10/3/2005	7:53	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	10/3/2005	7:53	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	9/27/2005	8:32	Surfc	" <i>Gymnodinoid</i> " sp. (S)	15-25 um Grn	Present	
	9/27/2005	8:32	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	8.80
	9/27/2005	8:32	Surfc	<i>Chattonella subsalsa</i> (T)		Many	1.25
	9/27/2005	8:32	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/27/2005	8:32	Surfc	<i>Heterosigma akashiwo</i> . (T)		Many	1.58
	9/27/2005	8:32	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	9/27/2005	8:32	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	10/5/2005	8:55	Surfc	" <i>Gymnodinoid</i> " sp. (S)	15-25 um Grn	Present	
	10/5/2005	8:55	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.11
	10/5/2005	8:55	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	10/5/2005	8:55	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	10/5/2005	8:55	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.35
	10/5/2005	8:55	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Common	0.19
	10/5/2005	8:55	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.11
	10/18/2005	8:45	Surfc		No HABs found		
<b>Pepper Creek</b>							
<u>Indian River</u>							
IR46B: Pepper Creek Buoy #1							
	9/22/2005	11:10	Surfc	" <i>Gymnodinoid</i> " sp. (S)	15-25 um Grn	Present	
	9/22/2005	11:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
<b>Rehoboth Bay</b>							
ML: Massey's Landing							
	9/26/2005	11:22	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/17/2005	11:15	Surfc		No HABs found		

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**Delaware Inland Bays Citizen Monitoring Program**

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Rehoboth Bay</b>							
RB07: West Bay Park							
	9/27/2005	8:40	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/27/2005	8:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/27/2005	8:40	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	10/18/2005	8:35	Surfc		No HABs found		
RB67B: Rehoboth Bay, Buoy #7A							
	9/28/2005	8:30	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/28/2005	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
RB68B: Rehoboth Bay, Buoy # 3							
	9/28/2005	8:30	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/28/2005	8:30	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/28/2005	8:30	Surfc	<i>Amphidinium</i> sp. (T)		Present	
	9/28/2005	8:30	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
<b>Bald Eagle Creek</b>							
RB46: Torquay Canal at East bulkhead on Land's End.							
	9/22/2005	9:44	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.19
	9/22/2005	9:44	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.22
	9/22/2005	9:44	Surfc	<i>Gyrodinium striatum</i> (B)		Present	
	9/22/2005	9:44	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/22/2005	9:44	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/27/2005	10:30	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	9/27/2005	10:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/27/2005	10:30	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	10/17/2005	9:37	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/17/2005	9:37	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
RB69: Torquay Canal DNREC site. TC1							
	9/22/2005	13:30	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.24
	9/22/2005	13:30	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	6.20
	9/22/2005	13:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.35
<b>Guinea Creek</b>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	9/26/2005	11:50	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	10/17/2005	11:42	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
RB06: Guinea Creek (Winding Creek Village)							
	9/26/2005	12:22	Surfc	"Gymnodinioid" sp. (S)	10-15 um Grn	Present	
	9/26/2005	12:22	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/26/2005	12:22	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	9/26/2005	12:22	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/26/2005	12:22	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/26/2005	12:22	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	10/18/2005	9:05	Surfc	<i>Amphidinium</i> sp. (T)		Present	
	10/18/2005	9:05	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
RB06A: Guinea Creek @ Rd 298 Bridge							
	9/26/2005	12:30	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	

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MCL; Many: 1 - 10 MCL; Abundant: 10 - 100 MCL; Very Abundant: > 100 MCL.

### Delaware Inland Bays Citizen Monitoring Program



Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Rehoboth Bay</b>							
<u>Guinea Creek</u>							
RB06A: Guinea Creek @ Rd 298 Bridge							
	10/17/2005	12:17	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
RB60: Community Dock at Creek's End							
	9/26/2005	9:00	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/26/2005	9:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.13
	9/26/2005	9:00	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/26/2005	9:00	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	10/17/2005	9:02	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.21
	10/17/2005	9:02	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	9/26/2005	12:45	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/26/2005	12:45	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/26/2005	12:45	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	9/26/2005	12:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/17/2005	12:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	9/22/2005	9:25	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.24
	9/22/2005	9:25	Surfc	"Gymnodinioid" sp. (S)	10-15 um Grn	Common	0.19
	9/22/2005	9:25	Surfc	(Unknown) sp. (B)	10-15 um Grn trdrp	Abundant	13.20
	9/22/2005	9:25	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.17
	9/22/2005	9:25	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/22/2005	9:25	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/22/2005	9:25	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.24
	9/26/2005	13:05	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.24
	9/26/2005	13:05	Surfc	(Unknown) sp. (B)	10-15 um Grn trdrp	Abundant	94.00
	9/26/2005	13:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	2.40
	9/26/2005	13:05	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/26/2005	13:05	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/26/2005	13:05	Surfc	<i>Heterosigma akashiwo</i> . (T)		Many	2.95
	9/26/2005	13:05	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	9/26/2005	13:05	Surfc	<i>Pseudopedinella spp.</i> (B)		Abundant	13.20
	9/28/2005	10:34	Surfc	(Unknown) sp. (B)	10-15 um Grn trdrp	Abundant	16.00
	9/28/2005	10:34	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.14
	9/28/2005	10:34	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/28/2005	10:34	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.50
	10/17/2005	12:53	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	10/17/2005	12:53	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/17/2005	12:53	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.24
	10/17/2005	12:53	Surfc	<i>Pseudopedinella spp.</i> (B)		Abundant	11.00
RLC1W: shellfish site, mouth of Love Creek.							

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MCL; Many: 1 - 10 MCL; Abundant: 10 - 100 MCL; Very Abundant: > 100 MCL.

**Delaware Inland Bays Citizen Monitoring Program**

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Rehoboth Bay</b>							
<u>Love Creek</u>							
RLC1W: shellfish site, mouth of Love Creek.							
	9/28/2005	8:30	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	9/28/2005	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/28/2005	8:30	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
RLC2S: DNREC site, upper Love Creek							
	9/22/2005	12:00	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.34
	9/22/2005	12:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	1.10
	9/22/2005	12:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/22/2005	12:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/22/2005	12:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.51

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MCL; Many: 1 - 10 MCL; Abundant: 10 - 100 MCL; Very Abundant: > 100 MCL.

**Delaware Inland Bays Citizen Monitoring Program**