

# Harmful Algae Report

All data between 7/15/2005 and 7/28/2005

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							
	7/26/2005	8:48	Surfc		No HABs found		
<b>Assawoman Canal</b>							
IR50: Assawoman Canal at N end, marina dock							
	7/26/2005	9:38	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/26/2005	9:38	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/26/2005	9:38	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/26/2005	9:38	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.10
	7/26/2005	9:38	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/26/2005	9:38	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.21
	7/26/2005	9:38	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/26/2005	9:38	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
LA10: Assawoman Canal @ Kent Ave Bridge							
	7/18/2005	8:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/18/2005	8:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/18/2005	8:00	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.36
	7/18/2005	8:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/18/2005	8:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/18/2005	8:00	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/25/2005	8:15	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/25/2005	8:15	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/25/2005	8:15	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.25
	7/25/2005	8:15	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/25/2005	8:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.14
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	7/20/2005	8:16	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/20/2005	8:16	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/20/2005	8:16	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.54
	7/20/2005	8:16	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/20/2005	8:16	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/20/2005	8:16	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Many	1.21
	7/26/2005	10:21	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.20
	7/26/2005	10:21	Surfc	<i>Chattonella subsalsa (T)</i>		Many	1.19
	7/26/2005	10:21	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/26/2005	10:21	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.14
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	7/26/2005	10:06	Surfc	<i>Chattonella cf. verruculosa (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

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.							
	7/26/2005	10:06	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	7/26/2005	10:06	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
<b>Broadkill River</b>							
BR01: Broadkill river @ PEL dock.							
	7/28/2005	13:45	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	7/28/2005	13:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	
BR20: Broadkill River at Milton tidal pond by boat							
	7/28/2005	12:00	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
<u>Old Mill Creek</u>							
BR21: Old Mill Creek downstream from Red Mill Pond							
	7/28/2005	11:10	Surfc	<i>Anabaena</i> (T)		Common	
	7/28/2005	11:10	Surfc	<i>Microcystis</i> (T)		Common	
<b>Delaware Bay</b>							
<u>Canary Creek</u>							
BR19: Canary Creek at New Road							
	7/27/2005	9:32	Surfc	<i>Heterosigma akashiwo</i> . (T)		Abundant	10.12
	7/27/2005	9:32	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Common	0.80
	7/27/2005	9:32	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
BR40: Canary Creek at Pilottown Rd							
	7/27/2005	9:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/27/2005	9:00	Surfc	<i>Kryptoperidinium foliaceum-1</i> (B)		Present	
	7/27/2005	9:00	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
<b>Indian River</b>							
IR04: Warwick Cove							
	7/21/2005	12:44	Surfc	<i>Gyrodinium instriatum</i> (B)		Abundant	
	7/22/2005	8:05	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	7/22/2005	8:05	Surfc	<i>Gyrodinium instriatum</i> (B)		Many	1.50
	7/22/2005	8:05	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	7/24/2005	15:12	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Common	0.20
	7/24/2005	15:12	Surfc	<i>Akashiwo sanguineum</i> (B)		Common	0.20
	7/24/2005	15:12	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/24/2005	15:12	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.31
	7/24/2005	15:12	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	7/24/2005	15:12	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
	7/25/2005	8:45	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	7/25/2005	8:45	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.15
	7/25/2005	8:45	Surfc	<i>Kryptoperidinium foliaceum-1</i> (B)		Present	
IR07: Holt's Landing State Park							
	7/26/2005	9:03	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	7/26/2005	9:03	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/26/2005	9:03	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Indian River</b>							
IR07: Holt's Landing State Park							
	7/26/2005	9:03	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.20
	7/26/2005	9:03	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
IR11: Big Ditch Point							
	7/25/2005	8:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/25/2005	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR20: Bay Colony							
	7/26/2005	8:10	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.51
	7/26/2005	8:10	Surfc	<i>Akashiwo sanguineum (B)</i>		Common	0.63
	7/26/2005	8:10	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.11
	7/26/2005	8:10	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.43
	7/26/2005	8:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR21: Inlet to Boat House Pond							
	7/25/2005	10:40	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/25/2005	10:40	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/25/2005	10:40	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR36B: James Farm, Pasture Point							
	7/26/2005	7:45	Surfc	<i>Akashiwo sanguineum (B)</i>		Common	0.38
	7/26/2005	7:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/26/2005	7:45	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
IR41B: Indian River buoy #1							
	7/19/2005	11:14	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/19/2005	11:14	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
IR42B: Indian River buoy # 26							
	7/19/2005	11:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.10
	7/19/2005	11:00	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/19/2005	11:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.38
	7/19/2005	11:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/19/2005	11:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/19/2005	11:00	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/19/2005	11:00	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
IR43B: Indian River buoy #22							
	7/19/2005	11:08	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.10
	7/19/2005	11:08	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/19/2005	11:08	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/19/2005	11:08	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/19/2005	11:08	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
IR5S: DNREC site, Upper Indian River							
	7/21/2005	12:40	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/28/2005	10:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.30
	7/28/2005	10:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/28/2005	10:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	

### White Creek

IR23: Bethany Marina

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<b>Indian River</b>							
<u>White Creek</u>							
IR23: Bethany Marina							
	7/26/2005	8:15	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/26/2005	8:15	Surfc	<i>Akashiwo sanguineum (B)</i>		Many	1.71
	7/26/2005	8:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Abundant	15.18
IR23A: Deadend of North Lagoon							
	7/26/2005	8:45	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/26/2005	8:45	Surfc	<i>Akashiwo sanguineum (B)</i>		Many	1.68
	7/26/2005	8:45	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/26/2005	8:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Abundant	45.25
	7/26/2005	8:45	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/26/2005	8:45	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/26/2005	8:45	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
IR29: Holly Terrace Acres Canal - Stewart							
	7/15/2005	9:55	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/15/2005	9:55	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.73
	7/15/2005	9:55	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.14
	7/15/2005	9:55	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
IR32: Holly Terrace Acres							
	7/15/2005	9:13	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/15/2005	9:13	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.71
	7/15/2005	9:13	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.10
	7/15/2005	9:13	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/21/2005	9:10	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/21/2005	9:10	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/21/2005	9:10	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/21/2005	9:10	Surfc	<i>Chattonella subsalsa (T)</i>		Many	2.95
	7/21/2005	9:10	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/21/2005	9:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/21/2005	9:10	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/21/2005	9:10	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	7/23/2005	17:45	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/23/2005	17:45	Surfc	<i>Chattonella subsalsa (T)</i>		Common	
	7/23/2005	17:45	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	
	7/23/2005	17:45	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/23/2005	17:45	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	
	7/25/2005	10:32	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/25/2005	10:32	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.11
	7/25/2005	10:32	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.15
	7/25/2005	10:32	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/25/2005	10:32	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/25/2005	10:32	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	7/28/2005	9:22	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/28/2005	9:22	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Indian River</b>							
<u>White Creek</u>							
IR32: Holly Terrace Acres							
	7/28/2005	9:22	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/28/2005	9:22	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/28/2005	9:22	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.45
	7/28/2005	9:22	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.65
	7/28/2005	9:22	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/28/2005	9:22	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.30
	7/28/2005	9:22	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
IR59: White Creek - west prong near Food Lion							
	7/26/2005	9:20	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Common	0.15
	7/26/2005	9:20	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
IR60A: 4 Cristy Lane, Ocean View; E Branch of White Creek							
	7/26/2005	9:32	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.16
	7/26/2005	9:32	Surfc	<i>Chattonella subsalsa (T)</i>		Many	2.90
	7/26/2005	9:32	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.16
	7/26/2005	9:32	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/26/2005	9:32	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.20
<b>Lewes - Rehoboth Canal</b>							
RB02: Lewes - Rehoboth Canal at Lewes							
	7/19/2005	8:30	Net	<i>Heterocapsa rotundata (B)</i>		Present	
	7/19/2005	8:30	Net	<i>Prorocentrum minimum (T)</i>		Present	
	7/19/2005	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/26/2005	8:20	Net	<i>Chaetoceros sp. (T)</i>		Present	
	7/26/2005	8:20	Net	<i>Heterocapsa rotundata (B)</i>		Present	
	7/26/2005	8:20	Net	<i>Prorocentrum gracile (B)</i>		Present	
	7/26/2005	8:20	Net	<i>Prorocentrum minimum (T)</i>		Present	
	7/26/2005	8:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/26/2005	8:20	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/26/2005	8:20	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
<b>Little Assawoman Bay</b>							
LA15B: Red channel marker #12							
	7/18/2005	8:38	Surfc	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
	7/18/2005	8:38	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/18/2005	8:38	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/18/2005	8:38	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
LA35B: Red Channel marker #28, across from Miller Creek							
	7/18/2005	8:25	Surfc	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
	7/18/2005	8:25	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/18/2005	8:25	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
LA42B: Narrows, South of state beach at point							
	7/18/2005	8:30	Surfc	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
	7/18/2005	8:30	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/18/2005	8:30	Surfc	<i>Chattonella subsalsa (T)</i>		Present	

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<b>Little Assawoman Bay</b>							
LA45: Fenwick Island Bayside							
	7/26/2005	6:55	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/26/2005	6:55	Surfc	Akashiwo sanguineum (B)		Present	
	7/26/2005	6:55	Surfc	Chattonella cf. verruculosa (T)		Present	
	7/26/2005	6:55	Surfc	Heterocapsa rotundata (B)		Present	
	7/26/2005	6:55	Surfc	Heterosigma akashiwo. (T)		Present	
<b>Dirickson Creek</b>							
LA03: Mulberry Landing							
	7/25/2005	8:33	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/25/2005	8:33	Surfc	Akashiwo sanguineum (B)		Present	
	7/25/2005	8:33	Surfc	Chattonella cf. verruculosa (T)		Present	
	7/25/2005	8:33	Surfc	Gyrodinium instriatum (B)		Present	
	7/25/2005	8:33	Surfc	Heterocapsa rotundata (B)		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	7/25/2005	9:58	Surfc	Gyrodinium instriatum (B)		Common	0.31
	7/25/2005	9:58	Surfc	Heterocapsa rotundata (B)		Common	0.10
	7/25/2005	9:58	Surfc	Heterosigma akashiwo. (T)		Present	
	7/25/2005	9:58	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
	7/25/2005	9:58	Surfc	Protopteridinium quinquecorne (B)		Common	0.15
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	7/26/2005	8:26	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.39
	7/26/2005	8:26	Surfc	Chattonella subsalsa (T)		Common	
	7/26/2005	8:26	Surfc	Gyrodinium instriatum (B)		Present	
	7/26/2005	8:26	Surfc	Heterocapsa rotundata (B)		Present	
	7/26/2005	8:26	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
	7/26/2005	8:26	Surfc	Protopteridinium quinquecorne (B)		Common	0.10
LA22B: Dirickson Creek upper section between Williams Creek and the LA09, mid channel near duck blind.							
	7/18/2005	8:52	Surfc	Gyrodinium instriatum (B)		Common	0.14
	7/18/2005	8:52	Surfc	Heterocapsa rotundata (B)		Common	0.11
	7/18/2005	8:52	Surfc	Heterosigma akashiwo. (T)		Common	0.16
	7/18/2005	8:52	Surfc	Protopteridinium quinquecorne (B)		Common	0.10
<b>Jefferson Creek</b>							
SB10E: SB: Russell Canal east dead end							
	7/20/2005	8:00	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/20/2005	8:00	Surfc	Akashiwo sanguineum (B)		Present	
	7/20/2005	8:00	Surfc	Chattonella cf. verruculosa (T)		Present	
	7/20/2005	8:00	Surfc	Chattonella subsalsa (T)		Common	0.11
	7/20/2005	8:00	Surfc	Gyrodinium instriatum (B)		Present	
	7/20/2005	8:00	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
	7/20/2005	8:00	Surfc	Protopteridinium quinquecorne (B)		Common	0.15
	7/20/2005	8:00	Surfc	Scrippsiella sp. (B)		Present	
	7/25/2005	8:56	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/25/2005	8:56	Surfc	Chattonella cf. verruculosa (T)		Common	0.57
	7/25/2005	8:56	Surfc	Chattonella subsalsa (T)		Present	

Name subscripts: (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
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**Little Assawoman Bay**

Jefferson Creek

SB10E: SB: Russell Canal east dead end

7/25/2005	8:56	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
7/25/2005	8:56	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
7/25/2005	8:56	Surfc		<i>Heterosigma akashiwo</i> . (T)		Present	
7/25/2005	8:56	Surfc		<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
7/25/2005	8:56	Surfc		<i>Proto-peridinium quinquecorne</i> (B)		Present	
7/28/2005	9:38	Surfc		" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
7/28/2005	9:38	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Common	0.52
7/28/2005	9:38	Surfc		<i>Chattonella subsalsa</i> (T)		Common	0.25
7/28/2005	9:38	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
7/28/2005	9:38	Surfc		<i>Heterocapsa rotundata</i> (B)		Common	0.31
7/28/2005	9:38	Surfc		<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
7/28/2005	9:38	Surfc		<i>Proto-peridinium quinquecorne</i> (B)		Present	
7/28/2005	9:38	Surfc		<i>Scrippsiella</i> sp. (B)		Present	

SB10W: SB: Russell Canal west dead end

7/20/2005	8:07	Surfc		" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
7/20/2005	8:07	Surfc		<i>Chattonella subsalsa</i> (T)		Present	
7/20/2005	8:07	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
7/20/2005	8:07	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
7/20/2005	8:07	Surfc		<i>Heterosigma akashiwo</i> . (T)		Present	
7/20/2005	8:07	Surfc		<i>Proto-peridinium quinquecorne</i> (B)		Present	
7/25/2005	9:03	Surfc		" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
7/25/2005	9:03	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Present	
7/25/2005	9:03	Surfc		<i>Heterocapsa rotundata</i> (B)		Common	0.13
7/25/2005	9:03	Surfc		<i>Proto-peridinium quinquecorne</i> (B)		Present	
7/26/2005	10:00	Surfc		" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
7/26/2005	10:00	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Common	0.40
7/26/2005	10:00	Surfc		<i>Chattonella subsalsa</i> (T)		Present	
7/26/2005	10:00	Surfc		<i>Heterocapsa rotundata</i> (B)		Many	1.01
7/26/2005	10:00	Surfc		<i>Proto-peridinium quinquecorne</i> (B)		Present	
7/28/2005	9:42	Surfc		" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
7/28/2005	9:42	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Common	0.34
7/28/2005	9:42	Surfc		<i>Chattonella subsalsa</i> (T)		Common	0.11
7/28/2005	9:42	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
7/28/2005	9:42	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
7/28/2005	9:42	Surfc		<i>Kryptoperidinium foliaceum-2</i> (B)		Present	

Miller Creek

LA31: Double Bridges road bridge at Plantation Park

7/25/2005	10:15	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
7/25/2005	10:15	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
7/25/2005	10:15	Surfc		<i>Kryptoperidinium foliaceum-2</i> (B)		Present	

LA33B: Camp Barnes dock - by boat

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

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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>Little Assawoman Bay</b>							
<u>Miller Creek</u>							
LA33B: Camp Barnes dock - by boat	7/18/2005	8:17	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
LA36: Sassafras Landing	7/25/2005	9:05	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/25/2005	9:05	Surfc	Chattonella cf. verruculosa (T)		Present	
	7/25/2005	9:05	Surfc	Chattonella subsalsa (T)		Present	
	7/25/2005	9:05	Surfc	Heterocapsa rotundata (B)		Common	0.14
	7/25/2005	9:05	Surfc	Heterosigma akashiwo. (T)		Present	
	7/25/2005	9:05	Surfc	Protoperidinium quinquecorne (B)		Present	
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a	7/25/2005	9:13	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/25/2005	9:13	Surfc	Gyrodinium instriatum (B)		Present	
	7/25/2005	9:13	Surfc	Heterosigma akashiwo. (T)		Many	4.50
	7/25/2005	9:13	Surfc	Kryptoperidinium foliaceum-2 (B)		Many	
	7/25/2005	9:13	Surfc	Protoperidinium quinquecorne (B)		Present	
	7/25/2005	9:13	Surfc	Scrippsiella sp. (B)		Present	
<b>Pepper Creek</b>							
<u>Indian River</u>							
IR46B: Pepper Creek Buoy #1	7/19/2005	10:54	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/19/2005	10:54	Surfc	Akashiwo sanguineum (B)		Present	
	7/19/2005	10:54	Surfc	Gyrodinium instriatum (B)		Common	0.31
	7/19/2005	10:54	Surfc	Heterocapsa rotundata (B)		Present	
	7/19/2005	10:54	Surfc	Heterosigma akashiwo. (T)		Present	
<b>Rehoboth Bay</b>							
ML: Massey's Landing	7/25/2005	11:00	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/25/2005	11:00	Surfc	Dinophysis acuminata (T)		Present	
	7/25/2005	11:00	Surfc	Heterocapsa rotundata (B)		Present	
	7/25/2005	11:00	Surfc	Heterosigma akashiwo. (T)		Present	
	7/25/2005	11:00	Surfc	Prorocentrum lima (T)		Present	
RB07: West Bay Park	7/26/2005	8:35	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/26/2005	8:35	Surfc	Chattonella cf. verruculosa (T)		Present	
	7/26/2005	8:35	Surfc	Chattonella subsalsa (T)		Present	
	7/26/2005	8:35	Surfc	Heterocapsa rotundata (B)		Present	
	7/26/2005	8:35	Surfc	Heterosigma akashiwo. (T)		Present	
	7/26/2005	8:35	Surfc	Scrippsiella sp. (B)		Present	
	7/26/2005	11:00	Surfc	Akashiwo sanguineum (B)		Present	
	7/26/2005	11:00	Surfc	Gyrodinium instriatum (B)		Present	
	7/26/2005	11:00	Surfc	Heterocapsa rotundata (B)		Present	

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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							
	7/26/2005	11:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
<u>Bald Eagle Creek</u>							
RB46: Torquay Canal at East bulkhead on Land's End.							
	7/21/2005	9:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/21/2005	9:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.11
	7/21/2005	9:20	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.76
	7/25/2005	11:27	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.14
	7/25/2005	11:27	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/25/2005	11:27	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/25/2005	11:27	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
RB64: Torquay Canal, west side of Land's End near UD Site #1							
	7/21/2005	9:23	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/21/2005	9:23	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	9.49
	7/21/2005	9:23	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.89
	7/21/2005	9:23	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/21/2005	9:23	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Present	
	7/25/2005	11:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/25/2005	11:30	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/25/2005	11:30	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Present	
RB69: Torquay Canal DNREC site. TC1							
	7/21/2005	14:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.41
	7/21/2005	14:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.93
	7/21/2005	14:30	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.32
	7/21/2005	14:30	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/21/2005	14:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/21/2005	14:30	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	7/28/2005	12:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.15
	7/28/2005	12:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	1.55
	7/28/2005	12:30	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.30
	7/28/2005	12:30	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/28/2005	12:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/28/2005	12:30	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/28/2005	12:30	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Present	
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	7/25/2005	11:15	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/25/2005	11:15	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/25/2005	11:15	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.22
	7/25/2005	11:15	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/25/2005	11:15	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/25/2005	11:15	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
RB06: Guinea Creek (Winding Creek Village)							
	7/25/2005	8:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	

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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>							
<u>Guinea Creek</u>							
RB06A: Guinea Creek @ Rd 298 Bridge							
	7/25/2005	11:55	Surfc		No HABs found		
RB60: Community Dock at Creek's End							
	7/18/2005	10:53	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/18/2005	10:53	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/18/2005	10:53	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/25/2005	10:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/25/2005	10:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/25/2005	10:00	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/25/2005	10:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/25/2005	10:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/25/2005	10:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	7/25/2005	8:30	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/25/2005	8:30	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/25/2005	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	7/21/2005	9:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/21/2005	9:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/21/2005	9:00	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/21/2005	9:00	Surfc	<i>Euglenales (An Order) spp. (B)</i>		Abundant	
	7/21/2005	9:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Many	6.79
	7/21/2005	9:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Many	7.85
	7/21/2005	9:00	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/21/2005	9:00	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/25/2005	12:33	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/25/2005	12:33	Surfc	<i>Gyrodinium instriatum (B)</i>		Many	1.59
	7/25/2005	12:33	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/25/2005	12:33	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.11
RLC2S: DNREC site, upper Love Creek							
	7/21/2005	13:15	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/21/2005	13:15	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.10
	7/21/2005	13:15	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.38
	7/21/2005	13:15	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.39
	7/21/2005	13:15	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/21/2005	13:15	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/21/2005	13:15	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.14
	7/21/2005	13:15	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	7/28/2005	11:15	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/28/2005	11:15	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.24

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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>							
RLC2S: DNREC site, upper Love Creek							
	7/28/2005	11:15	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.39
	7/28/2005	11:15	Surfc	<i>Heterosigma akashiwo. (T)</i>		Many	1.28
	7/28/2005	11:15	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/28/2005	11:15	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.13
	7/28/2005	11:15	Surfc	<i>Scrippsiella sp. (B)</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**