

Harmful Algae Report

All data between 8/26/2005 and 9/15/2005

Delaware Inland Bays Citizen Monitor Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
Assawoman Bay							
<u>Roy Creek</u>							
BA01: Keenwick on Bay, Roy Creek							
	9/13/2005	9:25	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/13/2005	9:25	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
Assawoman Canal							
IR50: Assawoman Canal at N end, marina dock							
	9/14/2005	8:25	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/14/2005	8:25	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/14/2005	8:25	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/14/2005	8:25	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
LA10: Assawoman Canal @ Kent Ave Bridge							
	8/29/2005	8:00	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/6/2005	8:05	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/6/2005	8:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.11
	9/6/2005	8:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/12/2005	8:25	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/12/2005	8:25	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/12/2005	8:25	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	9/13/2005	9:33	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/13/2005	9:33	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.22
	9/13/2005	9:33	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.14
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	9/14/2005	8:10	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	9/14/2005	8:10	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	1.00
	9/14/2005	8:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
Broadkill River							
BR01: Broadkill river @ PEL dock.							
	9/2/2005	9:58	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/2/2005	9:58	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/2/2005	10:05	Net	<i>Akashiwo sanguineum (B)</i>		Present	
	9/2/2005	10:05	Net	<i>Chaetoceros sp. (T)</i>		Present	
	9/2/2005	10:05	Net	<i>Ditylum sp. (T)</i>		Present	
	9/2/2005	10:05	Net	<i>Prorocentrum lima (T)</i>		Present	
	9/2/2005	10:05	Net	<i>Pseudo-nitzschia spp. (T)</i>		Present	
	9/2/2005	10:05	Net	<i>Rhizosolenia spp. (T)</i>		Present	
	9/14/2005	9:55	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/14/2005	9:55	Surfc	<i>Ditylum sp. (T)</i>		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
Broadkill River							
BR01: Broadkill river @ PEL dock.							
	9/14/2005	9:55	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/14/2005	9:55	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	9/14/2005	10:00	Net	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	9/14/2005	10:00	Net	<i>Chaetoceros</i> sp. (T)		Present	
	9/14/2005	10:00	Net	<i>Dinophysis acuminata</i> (T)		Present	
	9/14/2005	10:00	Net	<i>Ditylum</i> sp. (T)		Present	
	9/14/2005	10:00	Net	<i>Prorocentrum gracile</i> (B)		Present	
	9/14/2005	10:00	Net	<i>Prorocentrum lima</i> (T)		Present	
	9/14/2005	10:00	Net	<i>Pseudo-nitzschia</i> spp. (T)		Present	
	9/14/2005	10:00	Net	<i>Rhizosolenia</i> spp. (T)		Present	
BR20: Broadkill River at Milton tidal pond							
	9/14/2005	10:48	Surfc	<i>Kryptoperidinium foliaceum</i> -2 (B)		Present	
Old Mill Creek							
BR21: Old Mill Creek downstream from Red Mill Pond							
	9/14/2005	12:05	Surfc	<i>Anabaena</i> (T)		Many	3.00
	9/14/2005	12:05	Surfc	<i>Chaetoceros</i> sp. (T)		Common	0.15
	9/14/2005	12:05	Surfc	<i>Kryptoperidinium foliaceum</i> -2 (B)		Common	0.10
	9/14/2005	12:05	Surfc	<i>Microcystis</i> (T)		Present	
Delaware Bay							
Canary Creek							
BR19: Canary Creek at New Road							
	9/14/2005	9:42	Surfc	<i>Chaetoceros</i> sp. (T)		Common	0.30
	9/14/2005	9:42	Surfc	<i>Ditylum</i> sp. (T)		Present	
	9/14/2005	9:42	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/14/2005	9:42	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/14/2005	9:42	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
BR40: Canary Creek at Pilottown Rd							
	9/14/2005	9:40	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
Indian River							
IR04: Warwick Cove							
	9/12/2005	9:11	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
IR07: Holt's Landing State Park							
	9/13/2005	9:14	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
IR11: Big Ditch Point							
	9/12/2005	11:20	Surfc		No HABs found		
IR20: Bay Colony							
	9/12/2005	8:10	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
IR21: Inlet to Boat House Pond							
	9/12/2005	7:40	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
IR41B: Indian River buoy #1							
	9/1/2005	9:30	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	9/1/2005	9:30	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
	9/1/2005	9:30	Surfc	<i>Ditylum</i> sp. (T)		Present	

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Indian River							
IR42B: Indian River buoy # 26							
	9/1/2005	9:15	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	9/1/2005	9:15	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/1/2005	9:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR43B: Indian River buoy #22							
	9/1/2005	9:25	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/1/2005	9:25	Surfc	<i>Pseudo-nitzschia spp. (T)</i>		Common	0.20
IR5S: DNREC site, Upper Indian River							
	9/1/2005	12:05	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/1/2005	12:05	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/1/2005	12:05	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/8/2005	14:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/8/2005	14:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/15/2005	11:45	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/15/2005	11:45	Surfc	<i>"Gymnodinioid" sp. (S)</i>	10-15 um Grn	Present	
White Creek							
IR32: Holly Terrace Acres							
	8/29/2005	10:47	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	8/29/2005	10:47	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/1/2005	8:44	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.16
	9/1/2005	8:44	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.22
	9/1/2005	8:44	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/8/2005	9:28	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/8/2005	9:28	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/8/2005	9:28	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	9/8/2005	9:28	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/8/2005	9:28	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/8/2005	9:28	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/12/2005	9:02	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/12/2005	9:02	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	1.17
	9/12/2005	9:02	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/12/2005	9:02	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/12/2005	9:02	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/13/2005	10:10	.2 m	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/13/2005	10:10	.2 m	<i>Chattonella cf. verruculosa (T)</i>		Many	2.25
	9/13/2005	10:10	.2 m	<i>Heterocapsa rotundata (B)</i>		Present	
	9/13/2005	10:10	.2 m	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/13/2005	10:10	.2 m	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/15/2005	9:38	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/15/2005	9:38	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/15/2005	9:38	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
IR59: White Creek - west prong near Food Lion							
	9/13/2005	9:00	Surfc		No HABs found		
IR60A: 4 Cristy Lane, Ocean View; E Branch of White Creek							

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Indian River							
<u>White Creek</u>							
IR60A: 4 Cristy Lane, Ocean View; E Branch of White Creek							
	9/14/2005	8:35	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.10
	9/14/2005	8:35	Surfc	Chattonella cf. verruculosa (T)		Many	1.31
	9/14/2005	8:35	Surfc	Heterocapsa rotundata (B)		Present	
	9/14/2005	8:35	Surfc	Heterosigma akashiwo. (T)		Present	
	9/14/2005	8:35	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
Lewes - Rehoboth Canal							
RB02: Lewes - Rehoboth Canal at Lewes							
	8/29/2005	8:35	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	8/29/2005	8:35	Surfc	Chaetoceros sp. (T)		Common	0.13
	8/29/2005	8:35	Surfc	Heterocapsa rotundata (B)		Present	
	8/29/2005	8:35	Surfc	Prorocentrum lima (T)		Present	
	8/29/2005	8:40	Net	Chaetoceros sp. (T)		Present	
	8/29/2005	8:40	Net	Ditylum sp. (T)		Present	
	8/29/2005	8:40	Net	Prorocentrum lima (T)		Present	
	8/29/2005	8:40	Net	Pseudo-nitzschia spp. (T)		Present	
	8/29/2005	8:40	Net	Rhizosolenia spp. (T)		Present	
	9/6/2005	8:30	Surfc	Heterosigma akashiwo. (T)		Present	
	9/6/2005	8:30	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
	9/6/2005	8:30	Surfc	Pseudo-nitzschia spp. (T)		Present	
	9/6/2005	8:30	Surfc	Rhizosolenia spp. (T)		Present	
	9/6/2005	8:40	Net	Chaetoceros sp. (T)		Present	
	9/6/2005	8:40	Net	Ditylum sp. (T)		Present	
	9/6/2005	8:40	Net	Prorocentrum lima (T)		Present	
	9/12/2005	8:00	Surfc		No HABs found		
	9/12/2005	8:05	Net	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/12/2005	8:05	Net	Chaetoceros sp. (T)		Present	
	9/12/2005	8:05	Net	Rhizosolenia spp. (T)		Present	
Little Assawoman Bay							
LA15B: Red channel marker #12							
	8/29/2005	8:05	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	8/29/2005	8:05	Surfc	Heterocapsa rotundata (B)		Present	
LA35B: Red Channel marker #28, across from Miller Creek							
	8/29/2005	7:53	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	8/29/2005	7:53	Surfc	Chattonella cf. verruculosa (T)		Present	
	8/29/2005	7:53	Surfc	Heterocapsa rotundata (B)		Present	
LA42B: Narrows, South of state beach at point							
	8/29/2005	7:58	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.10
	8/29/2005	7:58	Surfc	Akashiwo sanguineum (B)		Present	
	8/29/2005	7:58	Surfc	Heterocapsa rotundata (B)		Present	
	8/29/2005	7:58	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
LA45: Fenwick Island Bayside							
	9/13/2005	8:00	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	

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Little Assawoman Bay							
LA45: Fenwick Island Bayside							
	9/13/2005	8:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	9/13/2005	8:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/13/2005	8:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/13/2005	8:20	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/13/2005	8:20	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	9/13/2005	8:58	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/13/2005	8:58	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/13/2005	8:58	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	9/13/2005	8:58	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/13/2005	8:58	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/13/2005	8:58	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/13/2005	8:58	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/13/2005	8:58	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	9/13/2005	8:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/13/2005	8:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.83
	9/13/2005	8:20	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
LA22B: Dirickson Creek upper section between Williams Creek and the LA09, mid channel near duck blind.							
	8/29/2005	8:18	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	8/29/2005	8:18	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.13
	8/29/2005	8:18	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
<u>Jefferson Creek</u>							
SB10E: SB: Russell Canal east dead end							
	8/29/2005	11:09	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	8/29/2005	11:09	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.21
	8/29/2005	11:09	Surfc	<i>Fibrocapsa japonica (T)</i>		Common	0.14
	8/29/2005	11:09	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/29/2005	11:09	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/1/2005	9:24	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.13
	9/1/2005	9:24	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	9/1/2005	9:24	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Abundant	19.40
	9/1/2005	9:24	Surfc	<i>Fibrocapsa japonica (T)</i>		Many	2.50
	9/1/2005	9:24	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/1/2005	9:24	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	9/1/2005	12:25	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/1/2005	12:25	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Very Abundant	285.00
	9/1/2005	12:25	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	9/1/2005	12:25	Surfc	<i>Fibrocapsa japonica (T)</i>		Abundant	20.00
	9/1/2005	12:25	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/1/2005	12:25	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	

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Little Assawoman Bay							
<u>Jefferson Creek</u>							
SB10E: SB: Russell Canal east dead end							
	9/2/2005	8:08	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.66
	9/2/2005	8:08	Surfc	Chattonella cf. verruculosa (T)		Many	5.10
	9/2/2005	8:08	Surfc	Fibrocapsa japonica (T)		Common	0.44
	9/2/2005	13:30	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.13
	9/2/2005	13:30	Surfc	Chattonella cf. verruculosa (T)		Common	0.85
	9/2/2005	13:30	Surfc	Fibrocapsa japonica (T)		Common	0.14
	9/2/2005	13:30	Surfc	Heterocapsa rotundata (B)		Present	
	9/2/2005	13:30	Surfc	Heterosigma akashiwo. (T)		Present	
	9/6/2005	8:45	Surfc	Chattonella cf. verruculosa (T)		Present	
	9/6/2005	8:45	Surfc	Heterocapsa rotundata (B)		Present	
	9/8/2005	9:11	Surfc		No HABs found		
	9/12/2005	9:26	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.11
	9/12/2005	9:26	Surfc	Heterosigma akashiwo. (T)		Present	
	9/15/2005	9:22	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.10
	9/15/2005	9:22	Surfc	Akashiwo sanguineum (B)		Present	
	9/15/2005	9:22	Surfc	Chattonella subsalsa (T)		Present	
	9/15/2005	9:22	Surfc	Fibrocapsa japonica (T)		Present	
	9/15/2005	9:22	Surfc	Heterocapsa rotundata (B)		Common	0.21
	9/15/2005	9:22	Surfc	Heterosigma akashiwo. (T)		Present	
SB10W: SB: Russell Canal west dead end							
	8/29/2005	11:03	Surfc	Chattonella cf. verruculosa (T)		Present	
	8/29/2005	11:03	Surfc	Fibrocapsa japonica (T)		Present	
	8/29/2005	11:03	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
	8/29/2005	11:03	Surfc	Protoperidinium quinquecorne (B)		Present	
	9/1/2005	9:18	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.10
	9/1/2005	9:18	Surfc	Chattonella cf. verruculosa (T)		Present	
	9/1/2005	9:18	Surfc	Fibrocapsa japonica (T)		Present	
	9/1/2005	9:18	Surfc	Heterocapsa rotundata (B)		Present	
	9/2/2005	8:18	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.44
	9/2/2005	8:18	Surfc	Chattonella cf. verruculosa (T)		Common	0.44
	9/6/2005	8:37	Surfc	Gyrodinium instriatum (B)		Present	
	9/8/2005	9:05	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/12/2005	9:20	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/15/2005	9:16	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.16
	9/15/2005	9:16	Surfc	Heterocapsa rotundata (B)		Common	0.15
	9/15/2005	9:16	Surfc	Heterosigma akashiwo. (T)		Present	
SB14E: SB: Peterson Canal east dead end							
	9/2/2005	8:14	Surfc	Fibrocapsa japonica (T)		Common	0.22
SB14W: SB: Peterson Canal west dead end							
	9/2/2005	8:21	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.44
	9/2/2005	8:21	Surfc	Chattonella cf. verruculosa (T)		Many	1.98
	9/2/2005	8:21	Surfc	Fibrocapsa japonica (T)		Common	0.44

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
Little Assawoman Bay							
<u>Miller Creek</u>							
LA31: Double Bridges road bridge at Plantation Park							
	9/13/2005	8:47	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/13/2005	8:47	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/13/2005	8:47	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/13/2005	8:47	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/13/2005	8:47	Surfc	<i>Proto-peridinium quinquecorne (B)</i>		Present	
LA33B: Camp Barnes dock - by boat							
	8/29/2005	7:46	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	9/13/2005	8:38	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/13/2005	8:38	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Abundant	25.00
	9/13/2005	8:38	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	9/13/2005	8:38	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/13/2005	8:38	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/13/2005	8:38	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/13/2005	8:38	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/13/2005	8:38	Surfc	<i>Proto-peridinium quinquecorne (B)</i>		Present	
Pepper Creek							
<u>Indian River</u>							
IR46B: Pepper Creek Buoy #1							
	9/1/2005	9:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.17
Rehoboth Bay							
ML: Massey's Landing							
	9/12/2005	11:05	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/12/2005	11:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/12/2005	11:05	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
RB07: West Bay Park							
	9/13/2005	7:50	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/13/2005	7:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
<u>Bald Eagle Creek</u>							
RB46: Torquay Canal at East bulkhead on Land's End.							
Day of fish kill	9/8/2005	17:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/8/2005	17:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Many	7.26
	9/8/2005	17:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.13
	9/13/2005	9:58	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/13/2005	9:58	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.13
	9/13/2005	9:58	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/13/2005	9:58	Surfc	<i>Heterocapsa rotundata (B)</i>		Many	7.50
	9/13/2005	9:58	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.31
	9/13/2005	9:58	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
RB64: Torquay Canal, west side of Land's End near UD Site #1							

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
Rehoboth Bay							
<u>Bald Eagle Creek</u>							
RB64: Torquay Canal, west side of Land's End near UD Site #1							
Day of fish kill*	9/8/2005	17:20	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.17
	9/8/2005	17:20	Surfc	Chattonella cf. verruculosa (T)		Present	
	9/8/2005	17:20	Surfc	Heterocapsa rotundata (B)		Many	4.40
	9/8/2005	17:20	Surfc	Heterosigma akashiwo. (T)		Present	
RB69: Torquay Canal DNREC site. TC1							
	9/1/2005	14:10	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.80
	9/1/2005	14:10	Surfc	Chattonella cf. verruculosa (T)		Present	
	9/1/2005	14:10	Surfc	Heterocapsa rotundata (B)		Many	5.50
	9/1/2005	14:10	Surfc	Kryptoperidinium foliaceum-1 (B)		Present	
Day of fish kill*	9/8/2005	16:45	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.15
	9/8/2005	16:45	Surfc	Chattonella cf. verruculosa (T)		Common	0.10
	9/8/2005	16:45	Surfc	Gyrodinium instriatum (B)		Present	
	9/8/2005	16:45	Surfc	Heterocapsa rotundata (B)		Abundant	20.30
	9/8/2005	16:45	Surfc	Heterosigma akashiwo. (T)		Present	
	9/15/2005	13:45	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/15/2005	13:45	Surfc	Chattonella cf. verruculosa (T)		Common	0.15
	9/15/2005	13:45	Surfc	Gyrodinium instriatum (B)		Present	
	9/15/2005	13:45	Surfc	Heterocapsa rotundata (B)		Very Abundant	324.00
	9/15/2005	13:45	Surfc	Heterosigma akashiwo. (T)		Many	24.90
RB70: Torquay Canal from where West of UD site #1							
Day of fish kill*	9/8/2005	17:40	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/8/2005	17:40	Surfc	Gyrodinium instriatum (B)		Present	
	9/8/2005	17:40	Surfc	Heterocapsa rotundata (B)		Abundant	11.40
	9/8/2005	17:40	Surfc	Heterosigma akashiwo. (T)		Present	
RB71: Torquay Canal from the shore East of UD site #2							
Day of fish kill*	9/8/2005	18:00	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.15
	9/8/2005	18:00	Surfc	Heterocapsa rotundata (B)		Many	1.62
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	9/12/2005	11:40	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/12/2005	11:40	Surfc	Chattonella cf. verruculosa (T)		Present	
	9/12/2005	11:40	Surfc	Heterocapsa rotundata (B)		Present	
	9/12/2005	11:40	Surfc	Heterosigma akashiwo. (T)		Present	
	9/12/2005	11:40	Surfc	Prorocentrum gracile (B)		Present	
RB06: Guinea Creek (Winding Creek Village)							
	9/12/2005	7:30	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/12/2005	7:30	Surfc	Chattonella cf. verruculosa (T)		Present	
	9/12/2005	7:30	Surfc	Heterocapsa rotundata (B)		Present	
	9/12/2005	7:30	Surfc	Heterosigma akashiwo. (T)		Present	
RB06A: Guinea Creek @ Rd 298 Bridge							
	9/12/2005	12:35	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	9/12/2005	12:35	Surfc	Chattonella cf. verruculosa (T)		Common	0.12

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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
Rehoboth Bay							
<u>Guinea Creek</u>							
RB06A: Guinea Creek @ Rd 298 Bridge							
	9/12/2005	12:35	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	9/12/2005	12:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/12/2005	12:35	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/12/2005	12:35	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Common	0.13
RB60: Community Dock at Creek's End							
	9/12/2005	7:45	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Common	0.16
	9/12/2005	7:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.14
	9/12/2005	7:45	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	9/12/2005	12:50	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
<u>Lee Joseph Creek</u>							
RB09: Mariner's Cove Lagoon							
Day of fish kill	9/8/2005	8:00	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	8.80
	9/8/2005	8:00	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	9/8/2005	8:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/8/2005	16:12	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	9/8/2005	16:12	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.65
	9/8/2005	16:12	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/8/2005	16:12	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.11
	9/8/2005	16:12	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
Day after fish kill	9/9/2005	7:57	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	1.00
	9/9/2005	7:57	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	9/9/2005	7:57	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/9/2005	7:57	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/9/2005	7:57	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	8/29/2005	11:55	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	8/29/2005	11:55	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	6.60
	8/29/2005	11:55	Surfc	<i>Chattonella subsalsa</i> (T)		Many	2.60
	8/29/2005	11:55	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.44
	8/29/2005	11:55	Surfc	<i>Heterosigma akashiwo</i> . (T)		Many	1.12
	8/29/2005	11:55	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	8/29/2005	11:55	Surfc	<i>Protopteridinium quinquecorne</i> (B)		Present	
	9/9/2005	12:40	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	8.14
	9/9/2005	12:40	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.15
	9/9/2005	12:40	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/9/2005	12:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/9/2005	12:40	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.28
	9/12/2005	13:08	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	1.00

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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
Rehoboth Bay							
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	9/12/2005	13:08	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/15/2005	8:52	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/15/2005	8:52	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	5.00
	9/15/2005	8:52	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/15/2005	8:52	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/15/2005	8:52	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/15/2005	8:52	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/15/2005	8:52	Surfc	<i>Protooperidinium quinquecorne (B)</i>		Present	
RLC2S: DNREC site, upper Love Creek							
	9/1/2005	13:05	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/1/2005	13:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	1.25
	9/1/2005	13:05	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.54
	9/1/2005	13:05	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.46
	9/1/2005	13:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/1/2005	13:05	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.17
	9/1/2005	13:05	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	9/1/2005	13:05	Surfc	<i>Protooperidinium quinquecorne (B)</i>		Present	
	9/8/2005	15:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/8/2005	15:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.84
	9/8/2005	15:00	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	9/8/2005	15:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.55
	9/8/2005	15:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/15/2005	12:45	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	9/15/2005	12:45	Surfc	<i>(Unknown) sp. (B)</i>	10-15 um Grn trdrp	Abundant	22.00
	9/15/2005	12:45	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	7.70
	9/15/2005	12:45	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/15/2005	12:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/15/2005	12:45	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.13
Swan Pond							
LA39: Freshwater swan pond at phase 6 in Sea Colony							
	9/1/2005	8:30	Surfc		No HABs found		

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Delaware Inland Bays Citizen Monitoring Program