

Harmful Algae Report

All data from 6/23/2004

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							
	7/7/2004	9:55	Surfc	<i>"Gymnodinioid" sp. (S)</i>	10-15 um Grn	Present	
	7/7/2004	9:55	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	
	7/7/2004	9:55	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/7/2004	9:55	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
BA02: Keenwick Sound, entrance to canal system							
	7/7/2004	9:40	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/7/2004	9:40	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.57
	7/7/2004	9:40	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/7/2004	9:40	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/7/2004	9:40	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
Assawoman Canal							
IR50: Assawoman Canal at N end, marina dock							
	6/29/2004	9:24	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/29/2004	9:24	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
LA10: BB: Assawoman Canal @ Kent Ave Bridge							
	6/28/2004	7:50	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/5/2004	8:10	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	6/29/2004	9:03	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.13
	6/29/2004	9:03	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	
	6/29/2004	9:03	Surfc	<i>Chattonella subsalsa (T)</i>		Abundant	24.50
	6/29/2004	9:03	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	6/29/2004	9:03	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/29/2004	9:03	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/29/2004	9:03	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	6/29/2004	9:03	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	6/29/2004	9:03	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/6/2004	8:58	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/6/2004	8:58	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.52
	7/6/2004	8:58	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.65
	7/6/2004	8:58	Surfc	<i>Fibrocapsa japonica (T)</i>		Common	0.39
	7/6/2004	8:58	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/6/2004	8:58	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Common	
	7/6/2004	8:58	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/6/2004	8:58	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.78
	7/6/2004	8:58	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

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
Assawoman Canal							
<u>Bethany Loop Canal</u>							
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	6/29/2004	9:12	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	6/29/2004	9:12	Surfc	Chattonella cf. verruculosa (T)		Common	0.13
	6/29/2004	9:12	Surfc	Chattonella subsalsa (T)		Common	0.10
	6/29/2004	9:12	Surfc	Heterocapsa rotundata (B)		Present	
	6/29/2004	9:12	Surfc	Heterosigma akashiwo. (T)		Present	
	6/29/2004	9:12	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
	6/29/2004	9:12	Surfc	Prorocentrum minimum (T)		Common	0.22
	6/29/2004	9:12	Surfc	Proto-peridinium quinquecorne (B)		Present	
	7/6/2004	9:07	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/6/2004	9:07	Surfc	Ceratium spp. (T)		Present	
	7/6/2004	9:07	Surfc	Chattonella cf. verruculosa (T)		Many	1.56
	7/6/2004	9:07	Surfc	Chattonella subsalsa (T)		Present	
	7/6/2004	9:07	Surfc	Fibrocapsa japonica (T)		Present	
	7/6/2004	9:07	Surfc	Gyrodinium instriatum (B)		Present	
	7/6/2004	9:07	Surfc	Heterocapsa rotundata (B)		Present	
	7/6/2004	9:07	Surfc	Prorocentrum gracile (B)		Present	
	7/6/2004	9:07	Surfc	Prorocentrum minimum (T)		Present	
Delaware Bay							
RWPM7a: Lewes North (2)							
	6/30/2004	3:25	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	6/30/2004	3:25	Surfc	Chaetoceros sp. (T)		Common	
	6/30/2004	3:25	Surfc	Heterocapsa rotundata (B)		Present	
	6/30/2004	3:25	Surfc	Prorocentrum gracile (B)		Present	
Indian River							
IR04: Warwick Cove							
	7/6/2004	9:25	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.31
	7/6/2004	9:25	Surfc	Heterocapsa rotundata (B)		Present	
	7/6/2004	9:25	Surfc	Prorocentrum gracile (B)		Present	
IR07: Holt's Landing State Park							
	6/29/2004	10:00	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	6/29/2004	10:00	Surfc	Heterocapsa rotundata (B)		Present	
IR11: Big Ditch Point							
	7/6/2004	8:30	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/6/2004	8:30	Surfc	Heterocapsa rotundata (B)		Present	
IR20: Bay Colony							
	7/6/2004	8:25	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/6/2004	8:25	Surfc	Prorocentrum gracile (B)		Present	
	7/6/2004	8:25	Surfc	Scrippsiella sp. (B)		Present	
IR36B: James Farm, Pasture Point							
	7/6/2004	9:30	Surfc	Heterocapsa rotundata (B)		Present	
	7/6/2004	9:30	Surfc	Proto-peridinium quinquecorne (B)		Present	
<u>White Creek</u>							

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

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
Indian River							
<u>White Creek</u>							
IR23: Bethany Marina							
	7/6/2004	8:30	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	7/6/2004	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/6/2004	8:30	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
IR32: Holly Terrace Acres							
	6/23/2004	15:55	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	
	6/23/2004	15:55	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	6/23/2004	15:55	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/23/2004	15:55	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.10
	6/23/2004	15:55	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/23/2004	15:55	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	
	6/23/2004	15:55	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	6/23/2004	15:55	Surfc	<i>Prorocentrum gracile</i> (B)		Present	0.05
	6/23/2004	15:55	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.65
	6/23/2004	15:55	Surfc	<i>Scrippsiella</i> sp. (B)		Common	
	6/29/2004	10:30	SbSrf	"Gymnodinioid" sp. (S)	15-25 um Grn	Abundant	13.20
	6/29/2004	10:30	SbSrf	<i>Chattonella cf. verruculosa</i> (T)		Many	8.80
	6/29/2004	10:30	SbSrf	<i>Chattonella subsalsa</i> (T)		Present	
	6/29/2004	10:30	SbSrf	<i>Gyrodinium instriatum</i> (B)		Present	
	6/29/2004	10:30	SbSrf	<i>Prorocentrum gracile</i> (B)		Present	
	6/29/2004	10:30	SbSrf	<i>Prorocentrum minimum</i> (T)		Present	
	6/29/2004	10:30	SbSrf	<i>Protoperidinium quinquecorne</i> (B)		Present	
	6/29/2004	10:30	SbSrf	<i>Scrippsiella</i> sp. (B)		Common	
	6/30/2004	9:00	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Many	1.00
	6/30/2004	9:00	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	1.13
	6/30/2004	9:00	Surfc	<i>Chattonella subsalsa</i> (T)		Common	
	6/30/2004	9:00	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	6/30/2004	9:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/30/2004	9:00	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	6/30/2004	9:00	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	6/30/2004	9:00	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	6/30/2004	9:00	Surfc	<i>Scrippsiella</i> sp. (B)		Common	
	6/30/2004	9:05	50 cm	"Gymnodinioid" sp. (S)	15-25 um Grn	Many	2.20
	6/30/2004	9:05	50 cm	<i>Chattonella cf. verruculosa</i> (T)		Many	7.14
	6/30/2004	9:05	50 cm	<i>Chattonella subsalsa</i> (T)		Common	
	6/30/2004	9:05	50 cm	<i>Gyrodinium instriatum</i> (B)		Common	
	6/30/2004	9:05	50 cm	<i>Heterocapsa rotundata</i> (B)		Present	
	6/30/2004	9:05	50 cm	<i>Heterosigma akashiwo</i> . (T)		Present	
	6/30/2004	9:05	50 cm	<i>Prorocentrum gracile</i> (B)		Common	
	6/30/2004	9:05	50 cm	<i>Prorocentrum minimum</i> (T)		Present	
	6/30/2004	9:05	50 cm	<i>Protoperidinium quinquecorne</i> (B)		Common	
	6/30/2004	9:05	50 cm	<i>Scrippsiella</i> sp. (B)		Common	

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
Indian River							
<u>White Creek</u>							
IR32: Holly Terrace Acres							
	6/30/2004	9:10	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Many	9.13
	6/30/2004	9:10	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	7.00
	6/30/2004	9:10	Surfc	<i>Chattonella subsalsa</i> (T)		Common	
	6/30/2004	9:10	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	
	6/30/2004	9:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/30/2004	9:10	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	6/30/2004	9:10	Surfc	<i>Scrippsiella</i> sp. (B)		Common	
	6/30/2004	9:15	Bttm	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	
	6/30/2004	9:15	Bttm	<i>Chattonella cf. verruculosa</i> (T)		Common	
	6/30/2004	9:15	Bttm	<i>Chattonella subsalsa</i> (T)		Present	
	6/30/2004	9:15	Bttm	<i>Gyrodinium instriatum</i> (B)		Present	
	6/30/2004	9:15	Bttm	<i>Heterocapsa rotundata</i> (B)		Present	
	6/30/2004	9:15	Bttm	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	6/30/2004	9:15	Bttm	<i>Prorocentrum gracile</i> (B)		Present	
	6/30/2004	9:15	Bttm	<i>Prorocentrum minimum</i> (T)		Present	
	6/30/2004	9:15	Bttm	<i>Scrippsiella</i> sp. (B)		Present	
	7/1/2004	9:00	20 cm	"Gymnodinioid" sp. (S)	10-15 um Grn	Present	
	7/1/2004	9:00	20 cm	"Gymnodinioid" sp. (S)	15-25 um Grn	Many	4.50
	7/1/2004	9:00	20 cm	<i>Chattonella cf. verruculosa</i> (T)		Many	6.75
	7/1/2004	9:00	20 cm	<i>Chattonella subsalsa</i> (T)		Common	
	7/1/2004	9:00	20 cm	<i>Gyrodinium instriatum</i> (B)		Common	0.10
	7/1/2004	9:00	20 cm	<i>Heterocapsa rotundata</i> (B)		Many	1.13
	7/1/2004	9:00	20 cm	<i>Prorocentrum gracile</i> (B)		Present	
	7/1/2004	9:00	20 cm	<i>Prorocentrum minimum</i> (T)		Common	
	7/1/2004	9:00	20 cm	<i>Protoperidinium quinquecorne</i> (B)		Present	
	7/1/2004	9:00	20 cm	<i>Scrippsiella</i> sp. (B)		Common	
	7/1/2004	9:05	60 cm	"Gymnodinioid" sp. (S)	15-25 um Grn	Many	1.10
	7/1/2004	9:05	60 cm	"Gymnodinioid" sp. (S)	10-15 um Grn	Present	
	7/1/2004	9:05	60 cm	<i>Akashiwo sanguineum</i> (B)		Present	
	7/1/2004	9:05	60 cm	<i>Chattonella cf. verruculosa</i> (T)		Many	7.70
	7/1/2004	9:05	60 cm	<i>Chattonella subsalsa</i> (T)		Present	
	7/1/2004	9:05	60 cm	<i>Gyrodinium instriatum</i> (B)		Common	
	7/1/2004	9:05	60 cm	<i>Heterocapsa rotundata</i> (B)		Many	2.20
	7/1/2004	9:05	60 cm	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/1/2004	9:05	60 cm	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	7/1/2004	9:05	60 cm	<i>Prorocentrum gracile</i> (B)		Present	
	7/1/2004	9:05	60 cm	<i>Prorocentrum minimum</i> (T)		Present	
	7/1/2004	9:05	60 cm	<i>Protoperidinium quinquecorne</i> (B)		Present	
	7/6/2004	9:10	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.17
	7/6/2004	9:10	Surfc	<i>Chaetoceros</i> sp. (T)		Common	0.10
	7/6/2004	9:10	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.25

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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
Indian River							
<u>White Creek</u>							
IR32: Holly Terrace Acres							
	7/6/2004	9:10	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/6/2004	9:10	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	7/6/2004	9:10	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	7/6/2004	9:10	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	7/6/2004	9:10	Surfc	<i>Scrippsiella sp.</i> (B)		Common	0.13
IR60: Rt 26 at Lord Baltimore School							
	6/29/2004	9:33	Surfc	" <i>Gymnodinioid</i> " <i>sp.</i> (S)	15-25 um Grn	Present	
	6/29/2004	9:33	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
WC-12: 75 yds. North of IR32							
	7/1/2004	12:30	Surfc	" <i>Gymnodinioid</i> " <i>sp.</i> (S)	15-25 um Grn	Common	0.54
	7/1/2004	12:30	Surfc	<i>Chaetoceros sp.</i> (T)		Present	
	7/1/2004	12:30	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.38
	7/1/2004	12:30	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	7/1/2004	12:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/1/2004	12:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.38
	7/1/2004	12:30	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	7/1/2004	12:30	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	7/1/2004	12:30	Surfc	<i>Scrippsiella sp.</i> (B)		Common	0.50
WC15: White Creek - west prong near Food Lion							
	6/29/2004	9:40	Surfc	" <i>Gymnodinioid</i> " <i>sp.</i> (S)	15-25 um Grn	Common	
	6/29/2004	9:40	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.14
	6/29/2004	9:40	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.44
	6/29/2004	9:40	Surfc	<i>Fibrocapsa japonica</i> (T)		Common	0.14
	6/29/2004	9:40	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.10
	6/29/2004	9:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/29/2004	9:40	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	6/29/2004	9:40	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	
	6/29/2004	9:40	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	6/29/2004	9:40	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	
	7/6/2004	9:24	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.21
	7/6/2004	9:24	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.14
	7/6/2004	9:24	Surfc	<i>Fibrocapsa japonica</i> (T)		Common	0.46
	7/6/2004	9:24	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/6/2004	9:24	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Abundant	13.65
Lewes - Rehoboth Canal							
RB02: Lewes - Rehoboth Canal at Lewes							
	6/29/2004	8:50	Surfc	" <i>Gymnodinioid</i> " <i>sp.</i> (S)	15-25 um Grn	Present	
	6/29/2004	8:50	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	7/6/2004	8:35	Surfc		No HABs found		
Little Assawoman Bay							
LA41: Coastal Kayaks, knee deep wading sample							
	6/29/2004	8:46	Surfc	" <i>Gymnodinioid</i> " <i>sp.</i> (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
Little Assawoman Bay							
LA41: Coastal Kayaks, knee deep wading sample							
	6/29/2004	8:46	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/29/2004	8:46	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.52
LA42: Narrows Beach, off of Rt. 1 south of South Bethany knee deep wading sample.							
	6/29/2004	8:33	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/29/2004	8:33	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.36
	6/29/2004	8:33	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
LA-8: Fenwick Dock @ Harpoon Hannah's							
	7/1/2004	10:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/1/2004	10:30	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.17
	7/1/2004	10:30	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
Dirickson Creek							
LA03: Mulberry Landing							
	7/7/2004	8:45	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	
	7/7/2004	8:45	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	7/7/2004	8:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.13
	7/7/2004	8:45	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	7/7/2004	8:45	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	7/7/2004	9:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	10-15 um Grn	Present	
	7/7/2004	9:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/7/2004	9:20	Surfc	<i>(Unknown) sp. (B)</i>	10-15 um Grn trdrp	Abundant	50.50
	7/7/2004	9:20	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/7/2004	9:20	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/7/2004	9:20	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	
	7/7/2004	9:20	Surfc	<i>Heterosigma akashiwo</i> (T)		Common	
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	6/28/2004	9:13	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.22
	6/28/2004	9:13	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	6/28/2004	9:13	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/28/2004	9:13	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	7/4/2004	11:54	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/4/2004	11:54	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/4/2004	11:54	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/4/2004	11:54	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
Jefferson Creek							
JC08B: SB, Jefferson Creek Basin between Assawoman canal extensions, access by boat only.							
	6/28/2004	10:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/5/2004	9:15	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/5/2004	9:15	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.38
	7/5/2004	9:15	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
SB03B: Anchorage Canal at elbow							
	6/28/2004	10:40	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/28/2004	10:40	Surfc	<i>Kryptoperidinium foliaceum-2</i> (B)		Present	

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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
Little Assawoman Bay							
<u>Jefferson Creek</u>							
SB03B: Anchorage Canal at elbow							
	6/28/2004	10:40	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	7/5/2004	9:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/5/2004	9:30	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.24
	7/5/2004	9:30	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/5/2004	9:30	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
SB10E: SB: Russell Canal east dead end							
	6/28/2004	8:19	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/28/2004	8:19	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/28/2004	8:19	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/4/2004	11:25	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/4/2004	11:25	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.17
	7/4/2004	11:25	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/4/2004	11:25	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/4/2004	11:25	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
SB10W: SB: Russell Canal west dead end							
	6/28/2004	8:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/28/2004	8:30	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	6/29/2004	11:00	SbSrf	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Abundant	11.00
	6/29/2004	11:00	SbSrf	<i>Chattonella cf. verruculosa (T)</i>		Many	6.60
	6/29/2004	11:00	SbSrf	<i>Prorocentrum minimum (T)</i>		Present	
	6/29/2004	11:00	SbSrf	<i>Protoperidinium quinquecorne (B)</i>		Present	
	6/29/2004	11:00	SbSrf	<i>Scrippsiella sp. (B)</i>		Common	
	7/4/2004	11:31	Surfc		No HABs found		
<u>Miller Creek</u>							
LA31: Double Bridges road bridge at Plantation Park							
	6/28/2004	8:43	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.15
	6/28/2004	8:43	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/28/2004	8:43	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.14
	6/28/2004	8:43	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/28/2004	8:43	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	6/28/2004	8:43	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Common	0.13
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	6/28/2004	8:54	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/28/2004	8:54	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/28/2004	8:54	Surfc	<i>Heterosigma akashiwo. (T)</i>		Many	6.70
	6/28/2004	8:54	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	6/29/2004	11:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	
	6/29/2004	11:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	2.20
	6/29/2004	11:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Abundant	30.80
	6/29/2004	11:00	Surfc	<i>Kryptoperidinium foliaceum-2 (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
Rehoboth Bay							
ML: Massey's Landing							
	7/6/2004	8:15	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/6/2004	8:15	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
RB50: Delaware Seashore State Park at New Road; knee deep wading sample.							
	7/6/2004	10:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/6/2004	10:50	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/6/2004	10:50	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
RB54: Savage Ditch, knee deep wading sample.							
	7/6/2004	11:08	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
	7/6/2004	11:08	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/6/2004	11:08	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
Bald Eagle Creek							
RB46: Torquay Canal at East bulkhead on Land's End.							
	7/7/2004	11:10	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/7/2004	11:10	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/7/2004	11:10	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/7/2004	11:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	
	7/7/2004	11:10	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	
	7/7/2004	11:10	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
RB46B: Torquay Canal by boat							
	6/24/2004	9:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.13
	6/24/2004	9:20	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/24/2004	9:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/24/2004	9:20	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	6/24/2004	9:20	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	6/24/2004	9:25	2.0 M	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/24/2004	9:25	2.0 M	<i>"Gymnodinioid" sp. (S)</i>	10-15 um Grn	Present	
	6/24/2004	9:25	2.0 M	<i>Heterosigma akashiwo. (T)</i>		Common	0.73
	6/24/2004	9:30	4.0 M	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/24/2004	9:30	4.0 M	<i>Heterosigma akashiwo. (T)</i>		Present	
RB47: Bald Eagle Creek							
	7/6/2004	13:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.30
	7/6/2004	13:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/6/2004	13:20	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/6/2004	13:20	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/6/2004	13:20	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
RB61B: Bald Eagle Creek UD Site #6 upstream from the entrance to Torquay Canal.							
	6/24/2004	10:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/24/2004	10:00	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	6/24/2004	10:00	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	6/24/2004	10:05	2.0 M	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Many	1.70
	6/24/2004	10:05	2.0 M	<i>Heterocapsa rotundata (B)</i>		Present	
	6/24/2004	10:05	2.0 M	<i>Heterosigma akashiwo. (T)</i>		Many	4.15
	6/24/2004	10:10	4.0 M	<i>Heterosigma akashiwo. (T)</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
Rehoboth Bay							
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	7/7/2004	10:07	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	7/7/2004	10:07	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/7/2004	10:07	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
RB06: Guinea Creek (Winding Creek Village)							
	7/6/2004	7:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.28
	7/6/2004	7:00	Surfc	<i>(Unknown) sp. (B)</i>	10-15 um Grn trdrp	Abundant	88.00
	7/6/2004	7:00	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/6/2004	7:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
RB06A: Guinea Creek @ Rd 298 Bridge							
	7/7/2004	10:33	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	7/6/2004	8:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.13
	7/6/2004	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/6/2004	8:30	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
RB40: Burton Prong							
	7/6/2004	7:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	
	7/6/2004	7:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/6/2004	7:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/6/2004	7:30	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	6/28/2004	10:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/28/2004	10:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Many	1.10
	6/28/2004	10:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Abundant	15.40
	6/28/2004	10:00	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	6/28/2004	10:05	SbSrf	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	
	6/28/2004	10:05	SbSrf	<i>Gyrodinium instriatum (B)</i>		Many	2.80
	6/28/2004	10:05	SbSrf	<i>Heterosigma akashiwo. (T)</i>		Abundant	29.40
	6/28/2004	10:05	SbSrf	<i>Kryptoperidinium foliaceum-2 (B)</i>		Common	
	7/6/2004	14:10	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.16
	7/6/2004	14:10	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.11
	7/6/2004	14:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/6/2004	14:10	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/6/2004	14:10	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	7/6/2004	14:10	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/6/2004	14:10	Surfc	<i>Prorocentrum minimum (T)</i>		Present	

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