

Harmful Algae Report

All data from 4/1/2004

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							
	4/12/2004	9:07	Surfc	<i>Amphidinium sp. (T)</i>		Present	
	5/10/2004	9:10	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.11
	5/10/2004	9:10	Surfc	<i>Amphidinium sp. (T)</i>		Present	
	5/10/2004	9:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	5/10/2004	9:10	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/24/2004	8:50	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.18
	5/24/2004	8:50	Surfc	<i>Chaetoceros sp. (T)</i>		Common	0.35
	5/24/2004	8:50	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
Assawoman Canal							
IR50: Assawoman Canal at N end, marina dock							
	4/12/2004	12:07	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	4/12/2004	12:07	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	5/3/2004	11:08	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	5/3/2004	11:08	Surfc	<i>Dinophysis acuminata (T)</i>		Present	0.03
	5/3/2004	11:08	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	5/3/2004	11:08	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	5/24/2004	10:37	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	5/24/2004	10:37	Surfc	<i>Chaetoceros sp. (T)</i>		Common	0.22
	5/24/2004	10:37	Surfc	<i>Dinophysis acuminata (T)</i>		Present	0.03
	5/24/2004	10:37	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	5/24/2004	10:37	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
LA10: BB: Assawoman Canal @ Kent Ave Bridge							
	4/11/2004	7:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	4/11/2004	7:50	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	4/25/2004	7:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	4/25/2004	7:45	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/2/2004	8:10	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.12
	5/2/2004	8:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	5/2/2004	8:10	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	5/2/2004	8:10	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/10/2004	8:00	Surfc	<i>Dinophysis acuminata (T)</i>		Present	0.01
	5/10/2004	8:00	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/17/2004	8:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	5/24/2004	8:15	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	5/24/2004	8:15	Surfc	<i>Chaetoceros sp. (T)</i>		Common	0.13
	5/24/2004	8:15	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
<u>Bethany Loop Canal</u>							

Name subscripts: (B) - nontoxic bloom former; (S) - cell similar to a known toxic cell; (T) - potentially
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>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	4/12/2004	12:28	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	5/3/2004	11:37	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	5/3/2004	11:37	Surfc	<i>Amphidinium</i> sp. (T)		Present	
	5/3/2004	11:37	Surfc	<i>Dinophysis acuminata (T)</i>		Present	0.03
	5/3/2004	11:37	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	5/3/2004	11:37	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	5/3/2004	11:37	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	5/24/2004	11:15	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	5/24/2004	11:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	5/24/2004	11:15	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	4/12/2004	12:20	Surfc		No HABs found		
	5/3/2004	11:22	Surfc	<i>Amphidinium</i> sp. (T)		Present	
	5/3/2004	11:22	Surfc	<i>Dinophysis acuminata (T)</i>		Present	0.06
	5/3/2004	11:22	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	5/24/2004	11:05	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	5/24/2004	11:05	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
	5/24/2004	11:05	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	5/24/2004	11:05	Surfc	<i>Dinophysis acuminata (T)</i>		Present	0.01
	5/24/2004	11:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	5/24/2004	11:05	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
Indian River							
IR04: Warwick Cove							
	4/12/2004	10:46	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	4/12/2004	10:46	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	
	4/12/2004	10:46	Surfc	<i>Heterocapsa triquetra (B)</i>		Common	
	5/10/2004	9:32	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	5/24/2004	10:16	Surfc		No HABs found		
IR07: Holt's Landing State Park							
	4/12/2004	11:45	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	4/26/2004	9:22	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	4/26/2004	9:22	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	5/17/2004	9:25	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	5/17/2004	9:25	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	5/24/2004	10:15	Surfc		No HABs found		
IR11: Big Ditch Point							
	4/12/2004	8:00	Surfc	" <i>Gymnodinioid</i> " sp. (S)	15-25 um Grn	Present	
	4/12/2004	8:00	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
	4/12/2004	8:00	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	4/26/2004	11:55	Surfc		No HABs found		
	5/10/2004	7:45	Surfc		No HABs found		
	5/24/2004	7:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	

Name subsripts: (B) - nontoxic bloom former; (S) - cell similar to a known toxic cell; (T) - potentially
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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
Indian River							
IR20: Bay Colony							
	4/12/2004	8:10	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	4/26/2004	8:10	Surfc		No HABs found		
	5/10/2004	8:10	Surfc		No HABs found		
	5/24/2004	8:10	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
IR36B: James Farm, Pasture Point							
	5/23/2004	10:15	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
White Creek							
IR32: Holly Terrace Acres							
	4/12/2004	10:45	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
	4/12/2004	10:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.20
	4/12/2004	10:45	Surfc	<i>Heterocapsa triquetra</i> (B)		Common	
	4/26/2004	10:15	Surfc	<i>Chaetoceros</i> sp. (T)		Common	0.13
	4/26/2004	10:15	Surfc	<i>Dinophysis acuminata</i> (T)		Common	0.13
	4/26/2004	10:15	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.28
	5/8/2004	9:10	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
	5/8/2004	9:10	Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.08
	5/8/2004	9:10	Surfc	<i>Prorocentrum minimum</i> (T)		Abundant	27.30
	5/8/2004	9:15	50 cm	"Gymnodinoid" sp. (S)	15-25 um Grn	Present	
	5/8/2004	9:15	50 cm	<i>Dinophysis acuminata</i> (T)		Common	0.19
	5/8/2004	9:15	50 cm	<i>Prorocentrum minimum</i> (T)		Abundant	65.00
	5/8/2004	9:20	Surfc	<i>Dinophysis acuminata</i> (T)		Common	0.22
	5/8/2004	9:20	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	5/8/2004	9:20	Surfc	<i>Prorocentrum minimum</i> (T)		Very Abundant	390.00
	5/10/2004	10:20	Surfc	"Gymnodinoid" sp. (S)	15-25 um Grn	Common	0.14
	5/10/2004	10:20	Surfc	<i>Chaetoceros</i> sp. (T)		Common	0.33
	5/10/2004	10:20	Surfc	<i>Dinophysis acuminata</i> (T)		Common	0.29
	5/10/2004	10:20	Surfc	<i>Heterosigma akashiwo</i> . (T)		Many	2.30
	5/10/2004	10:20	Surfc	<i>Prorocentrum minimum</i> (T)		Abundant	82.40
	5/12/2004	9:30	60 cm	"Gymnodinoid" sp. (S)	15-25 um Grn	Common	0.50
	5/12/2004	9:30	60 cm	<i>Chaetoceros</i> sp. (T)		Abundant	17.60
	5/12/2004	9:30	60 cm	<i>Dinophysis</i> sp. (T)		Common	0.22
	5/12/2004	9:30	60 cm	<i>Heterosigma akashiwo</i> . (T)		Common	0.75
	5/12/2004	9:30	60 cm	<i>Prorocentrum minimum</i> (T)		Very Abundant	176.00
	5/18/2004	9:15	Surfc	"Gymnodinoid" sp. (S)	15-25 um Grn	Common	0.78
	5/18/2004	9:15	Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.05
	5/18/2004	9:15	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.88
	5/19/2004	11:00	20 cm	"Gymnodinoid" sp. (S)	15-25 um Grn	Common	0.56
	5/19/2004	11:00	20 cm	<i>Chaetoceros</i> sp. (T)		Present	
	5/19/2004	11:00	20 cm	<i>Chattonella subsalsa</i> (T)		Present	
	5/19/2004	11:05	60 cm	"Gymnodinoid" sp. (S)	15-25 um Grn	Common	0.13
	5/19/2004	11:05	60 cm	<i>Gyrodinium instriatum</i> (B)		Present	
	5/24/2004	10:20	Surfc	<i>Chaetoceros</i> sp. (T)		Many	1.50

Lewes - Rehoboth Canal

Name subscripts: (B) - nontoxic bloom former; (S) - cell similar to a known toxic cell; (T) - potentially
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Common: 0.1 - 1 MCL; Many: 1 - 10 MCL; Abundant: 10 - 100 MCL; Very Abundant: > 100 MCL.

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
Lewes - Rehoboth Canal							
RB02: Lewes - Rehoboth Canal at Lewes							
	4/1/2004	17:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.25
	4/1/2004	17:40	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	4/20/2004	7:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	4/20/2004	7:00	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	5/5/2004	8:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/5/2004	8:45	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	5/10/2004	8:50	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/10/2004	8:50	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/10/2004	8:50	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	5/19/2004	8:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/19/2004	8:40	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.15
	5/25/2004	8:40	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/25/2004	8:40	Surfc	<i>Chaetoceros</i> sp. (T)		Common	0.22
	5/25/2004	8:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/25/2004	8:40	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.13
Little Assawoman Bay							
LA41: Coastal Kayaks, knee deep wading sample							
	5/24/2004	9:21	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/24/2004	9:21	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/24/2004	9:21	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	5/24/2004	9:21	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
LA42: Narrows Beach, off of Rt. 1 south of South Bethany knee deep wading sample.							
	5/10/2004	8:48	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/10/2004	8:48	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	5/24/2004	9:07	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/24/2004	9:07	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	4/19/2004	9:20	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
	4/19/2004	9:20	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.31
	4/19/2004	9:20	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.17
	4/26/2004	8:30	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.22
	4/26/2004	8:30	Surfc	<i>Chaetoceros</i> sp. (T)		Common	0.16
	4/26/2004	8:30	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	5/10/2004	8:15	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.10
	5/10/2004	8:15	Surfc	<i>Amphidinium</i> sp. (T)		Present	
	5/24/2004	7:50	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
LA09: Dirickson Creek at Road 381 bridge.							
	4/12/2004	9:24	Surfc		No HABs found		
	5/10/2004	8:50	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.10
	5/24/2004	8:30	Surfc		No HABs found		
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	4/12/2004	9:03	Surfc		No HABs found		

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
Little Assawoman Bay							
<u>Dirickson Creek</u>							
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	5/2/2004	9:14	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.15
	5/2/2004	9:14	Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.01
	5/7/2004	10:50	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/7/2004	10:50	Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.01
	5/7/2004	10:50	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/17/2004	8:57	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/17/2004	8:57	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/17/2004	8:57	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	5/24/2004	9:38	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/24/2004	9:38	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	5/24/2004	9:38	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	5/24/2004	9:38	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/24/2004	9:38	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	5/24/2004	9:38	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
<u>Jefferson Creek</u>							
JC08B: SB, Jefferson Creek Basin between Assawoman canal extensions, access by boat only.							
	4/25/2004	13:25	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.23
	4/25/2004	13:25	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	4/25/2004	13:25	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	4/25/2004	13:25	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.11
	5/10/2004	13:08	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/10/2004	13:08	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
	5/10/2004	13:08	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/10/2004	13:08	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	5/10/2004	13:08	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	5/17/2004	17:17	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.72
	5/17/2004	17:17	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	5/17/2004	17:17	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/17/2004	17:17	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
SB03B: Anchorage Canal at elbow							
	4/25/2004	13:36	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.16
	4/25/2004	13:36	Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.01
	4/25/2004	13:36	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.10
	5/10/2004	12:58	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/10/2004	12:58	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	5/17/2004	17:30	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.10
	5/17/2004	17:30	Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.01
	5/17/2004	17:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	5/17/2004	17:30	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
SB10E: SB: Russell Canal east dead end							
	4/12/2004	8:41	Surfc	"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
Little Assawoman Bay							
<u>Jefferson Creek</u>							
SB10E: SB: Russell Canal east dead end							
	4/12/2004	8:41	Surfc	<i>Amphidinium sp. (T)</i>		Present	
	4/12/2004	8:41	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	4/25/2004	8:24	Surfc	" <i>Gymnodinioid</i> " <i>sp. (S)</i>	15-25 um Grn	Common	0.18
	4/25/2004	8:24	Surfc	<i>Amphidinium sp. (T)</i>		Present	
	4/25/2004	8:24	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/2/2004	8:47	Surfc	" <i>Gymnodinioid</i> " <i>sp. (S)</i>	15-25 um Grn	Common	0.14
	5/10/2004	8:30	Surfc	" <i>Gymnodinioid</i> " <i>sp. (S)</i>	15-25 um Grn	Present	
	5/10/2004	8:30	Surfc	<i>Dinophysis acuminata (T)</i>		Present	0.01
	5/17/2004	8:28	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
	5/17/2004	8:28	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	5/17/2004	8:28	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/24/2004	8:55	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	5/24/2004	8:55	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
SB10W: SB: Russell Canal west dead end							
	4/12/2004	8:34	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	4/25/2004	8:15	Surfc	" <i>Gymnodinioid</i> " <i>sp. (S)</i>	15-25 um Grn	Common	0.78
	4/25/2004	8:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	4/25/2004	8:15	Surfc	<i>Prorocentrum minimum (T)</i>		Common	0.52
	5/2/2004	8:51	Surfc	" <i>Gymnodinioid</i> " <i>sp. (S)</i>	15-25 um Grn	Common	0.16
	5/2/2004	8:51	Surfc	<i>Amphidinium sp. (T)</i>		Present	
	5/10/2004	8:37	Surfc	" <i>Gymnodinioid</i> " <i>sp. (S)</i>	15-25 um Grn	Present	
	5/10/2004	8:37	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/17/2004	8:35	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	5/17/2004	8:35	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/19/2004	10:30	20 cm	" <i>Gymnodinioid</i> " <i>sp. (S)</i>	15-25 um Grn	Many	1.33
	5/24/2004	8:48	Surfc	" <i>Gymnodinioid</i> " <i>sp. (S)</i>	15-25 um Grn	Present	
	5/24/2004	8:48	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	5/24/2004	8:48	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
<u>Miller Creek</u>							
LA31: Double Bridges road bridge at Plantation Park							
	4/26/2004	8:55	Surfc		No HABs found		
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	4/26/2004	8:43	Surfc		No HABs found		
Rehoboth Bay							
ML: Massey's Landing							
	4/12/2004	8:30	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
	4/12/2004	8:30	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	4/26/2004	10:10	Surfc	" <i>Gymnodinioid</i> " <i>sp. (S)</i>	15-25 um Grn	Present	
	5/10/2004	9:00	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/24/2004	9:30	Surfc	<i>Heterocapsa rotundata (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							
RB07: West Bay Park							
	4/14/2004	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	4/14/2004	8:30	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	4/26/2004	15:25	Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.04
	5/10/2004	16:40	Surfc		No HABs found		
	5/24/2004	14:36	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
Bald Eagle Creek							
RB46: Torquay Canal at East bulkhead on Land's End.							
	5/4/2004	10:45	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/4/2004	10:45	Surfc	<i>Chaetoceros</i> sp. (T)		Common	0.50
	5/4/2004	10:45	Surfc	<i>Dinophysis acuminata</i> (T)		Common	0.75
	5/4/2004	10:45	Surfc	<i>Prorocentrum minimum</i> (T)		Abundant	13.20
	5/7/2004	10:13	Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.01
	5/7/2004	10:13	Surfc	<i>Prorocentrum minimum</i> (T)		Many	7.80
	5/7/2004	10:15	Bttm	<i>Dinophysis acuminata</i> (T)		Common	0.31
	5/7/2004	10:15	Bttm	<i>Prorocentrum minimum</i> (T)		Many	4.80
	5/18/2004	9:45	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.10
	5/18/2004	9:45	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	5/19/2004	10:00	20 cm	<i>Heterosigma akashiwo</i> . (T)		Abundant	17.60
	5/25/2004	10:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.17
RB46B: Torquay Canal by boat							
	4/15/2004	12:00	20 cm	<i>Dinophysis acuminata</i> (T)		Common	0.20
	4/15/2004	12:00	20 cm	<i>Prorocentrum minimum</i> (T)		Common	0.20
	4/15/2004	12:05	2 m	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	4/15/2004	12:05	2 m	<i>Dinophysis acuminata</i> (T)		Common	0.15
	4/15/2004	12:05	2 m	<i>Heterocapsa triquetra</i> (B)		Present	
	4/15/2004	12:05	2 m	<i>Prorocentrum minimum</i> (T)		Common	0.25
	4/15/2004	12:10	4 m	<i>Dinophysis acuminata</i> (T)		Common	0.75
	4/15/2004	12:10	4 m	<i>Prorocentrum minimum</i> (T)		Common	0.35
	5/7/2004	10:25	Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.06
	5/7/2004	10:25	Surfc	<i>Prorocentrum minimum</i> (T)		Abundant	88.40
	5/7/2004	10:30	2 m	<i>Dinophysis acuminata</i> (T)		Common	0.11
	5/7/2004	10:30	2 m	<i>Prorocentrum minimum</i> (T)		Many	3.90
	5/13/2004	11:00	20 cm	<i>Chaetoceros</i> sp. (T)		Common	
	5/13/2004	11:00	20 cm	<i>Dinophysis</i> sp. (T)		Present	0.03
	5/13/2004	11:00	20 cm	<i>Heterosigma akashiwo</i> . (T)		Present	
	5/13/2004	11:00	20 cm	<i>Prorocentrum minimum</i> (T)		Very Abundant	112.50
	5/13/2004	11:05	2 m	<i>Dinophysis acuminata</i> (T)		Many	1.50
	5/13/2004	11:05	2 m	<i>Prorocentrum minimum</i> (T)		Many	9.00
	5/13/2004	11:10	4 m	<i>Dinophysis acuminata</i> (T)		Common	0.13
	5/13/2004	11:10	4 m	<i>Prorocentrum minimum</i> (T)		Common	0.38
RB47B: Bald Eagle Creek - by boat							
	4/15/2004	13:00	20 cm	<i>Amphidinium</i> sp. (T)		Present	
	4/15/2004	13:00	20 cm	<i>Chaetoceros</i> sp. (T)		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
Rehoboth Bay							
<u>Bald Eagle Creek</u>							
RB47B: Bald Eagle Creek - by boat							
	4/15/2004	13:00	20 cm	<i>Heterocapsa triquetra</i> (B)		Present	
	4/15/2004	13:00	20 cm	<i>Prorocentrum minimum</i> (T)		Present	
	5/7/2004	10:50	Surfc	<i>Dinophysis acuminata</i> (T)		Not Found	
	5/7/2004	10:50	Surfc	<i>Prorocentrum minimum</i> (T)		Many	3.25
	5/7/2004	10:55	2 m	<i>Dinophysis acuminata</i> (T)		Present	0.09
	5/7/2004	10:55	2 m	<i>Prorocentrum minimum</i> (T)		Many	1.50
	5/13/2004	12:00	20 cm	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/13/2004	12:00	20 cm	<i>Heterosigma akashiwo</i> . (T)		Present	
	5/13/2004	12:00	20 cm	<i>Prorocentrum minimum</i> (T)		Abundant	18.00
	5/13/2004	12:05	4 m	<i>Prorocentrum minimum</i> (T)		Present	
RB57B: Torquay Canal 'Site 4'							
	5/7/2004	10:37	Surfc	<i>Dinophysis acuminata</i> (T)		Not Found	
	5/7/2004	10:37	Surfc	<i>Prorocentrum minimum</i> (T)		Many	2.86
	5/7/2004	10:40	2 m	<i>Dinophysis acuminata</i> (T)		Common	0.16
	5/7/2004	10:40	2 m	<i>Prorocentrum minimum</i> (T)		Many	1.56
RB58B: BEC, 119 Kingsbridge Rd							
	5/7/2004	11:00	Surfc	<i>Dinophysis acuminata</i> (T)		Not Found	
	5/7/2004	11:00	Surfc	<i>Prorocentrum minimum</i> (T)		Abundant	16.20
	5/7/2004	11:05	Bttm	<i>Dinophysis acuminata</i> (T)		Common	0.29
	5/7/2004	11:05	Bttm	<i>Prorocentrum minimum</i> (T)		Many	7.80
RB59B: Mouth of Bald Eagle Creek							
	5/7/2004	14:20	Surfc	<i>Dinophysis</i> sp. (T)		Not Found	
	5/7/2004	14:20	Surfc	<i>Prorocentrum minimum</i> (T)		Not Found	
	5/7/2004	14:25	Bttm	<i>Dinophysis acuminata</i> (T)		Not Found	
	5/7/2004	14:25	Bttm	<i>Prorocentrum minimum</i> (T)		Common	0.33

Guinea Creek

RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	4/12/2004	12:40	Surfc	<i>Chaetoceros</i> sp. (T)		Common	0.28
	4/26/2004	12:10	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
	4/26/2004	12:10	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	5/10/2004	12:25	Surfc	<i>Chaetoceros</i> sp. (T)		Abundant	13.50
	5/24/2004	12:35	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/24/2004	12:35	Surfc	<i>Chaetoceros</i> sp. (T)		Many	1.00
	5/24/2004	12:35	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	5/24/2004	12:35	Surfc	<i>Dinophysis acuminata</i> (T)		Present	0.01
	5/24/2004	12:35	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	5/24/2004	12:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
RB06: Guinea Creek (Winding Creek Village)							
	4/12/2004	9:10	Surfc	<i>Chaetoceros</i> sp. (T)		Present	
	4/26/2004	9:40	Surfc		No HABs found		
	5/11/2004	7:45	Surfc	<i>Chaetoceros</i> sp. (T)		Common	0.44
	5/24/2004	11:00	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	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>							
RB06: Guinea Creek (Winding Creek Village)							
	5/24/2004	11:00	Surfc	<i>Chaetoceros sp. (T)</i>		Common	0.40
RB06A: Guinea Creek @ Rd 298 Bridge							
	4/12/2004	13:05	Surfc		No HABs found		
	4/26/2004	12:55	Surfc		No HABs found		
	5/11/2004	10:10	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	5/24/2004	13:00	Surfc		No HABs found		
RB56: Leisure Point							
	5/5/2004	15:00	Surfc	<i>Chaetoceros sp. (T)</i>		Many	1.20
	5/5/2004	15:05	Mid	<i>Chaetoceros sp. (T)</i>		Many	1.00
	5/5/2004	15:10	Bttm	<i>Chaetoceros sp. (T)</i>		Common	0.80
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	4/11/2004	9:45	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	4/11/2004	9:45	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	4/26/2004	11:00	Surfc		No HABs found		
	5/10/2004	13:10	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	5/10/2004	13:10	Surfc	<i>Chaetoceros sp. (T)</i>		Abundant	10.00
	5/10/2004	13:10	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	5/24/2004	13:15	Surfc	<i>Chaetoceros sp. (T)</i>		Common	0.15
	5/24/2004	13:15	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
RB40: Burton Prong							
	4/12/2004	8:45	Surfc		No HABs found		
	4/26/2004	10:15	Surfc		No HABs found		
	5/10/2004	7:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	5/10/2004	7:30	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
	5/10/2004	7:30	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/24/2004	9:35	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	4/12/2004	14:30	Surfc	<i>Heterocapsa triquetra (B)</i>		Common	0.25
	4/26/2004	14:35	Surfc		No HABs found		
	4/26/2004	14:35	Surfc		No HABs found		
	5/10/2004	13:45	Surfc		No HABs found		
	5/24/2004	13:50	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.19
	5/24/2004	13:50	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	5/24/2004	13:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	5/24/2004	13:50	Surfc	<i>Heterosigma akashiwo. (T)</i>		Very Abundant	188.00
	5/24/2004	13:50	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/24/2004	13:50	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	5/25/2004	9:55	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.34
	5/25/2004	9:55	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.21

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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>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	5/25/2004	9:55	Surfc	<i>Heterosigma akashiwo. (T)</i>		Abundant	52.80
	5/25/2004	9:55	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
RLC1W: shellfish site, mouth of Love Creek.							
	5/2/2004	13:10	Bttm	<i>Dinophysis acuminata (T)</i>		Not Found	
	5/2/2004	13:10	Bttm	<i>Prorocentrum minimum (T)</i>		Present	
	5/2/2004	13:15	Surfc	<i>Dinophysis acuminata (T)</i>		Not Found	
	5/2/2004	13:15	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/6/2004	13:00	Surfc	<i>Dinophysis acuminata (T)</i>		Not Found	
	5/6/2004	13:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	5/6/2004	13:00	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/6/2004	13:05	Mid	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
	5/6/2004	13:05	Mid	<i>Chaetoceros sp. (T)</i>		Present	
	5/6/2004	13:05	Mid	<i>Dinophysis acuminata (T)</i>		Not Found	
	5/6/2004	13:05	Mid	<i>Prorocentrum minimum (T)</i>		Present	
	5/6/2004	13:10	Bttm	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
	5/6/2004	13:10	Bttm	<i>Dinophysis acuminata (T)</i>		Not Found	
	5/6/2004	13:10	Bttm	<i>Prorocentrum minimum (T)</i>		Present	
	5/9/2004	11:00	Surfc	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
	5/9/2004	11:00	Surfc	<i>Dinophysis acuminata (T)</i>		Not Found	
	5/9/2004	11:00	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	5/9/2004	11:05	Mid	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
	5/9/2004	11:05	Mid	<i>Dinophysis acuminata (T)</i>		Not Found	
	5/9/2004	11:05	Mid	<i>Prorocentrum minimum (T)</i>		Present	
	5/9/2004	11:10	Bttm	<i>"Gymnodinoid" sp. (S)</i>	15-25 um Grn	Present	
	5/9/2004	11:10	Bttm	<i>Dinophysis acuminata (T)</i>		Not Found	
	5/9/2004	11:10	Bttm	<i>Prorocentrum minimum (T)</i>		Present	

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