

# Harmful Algae Report

All data between 6/29/2006 and 7/14/2006

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							
	7/11/2006	9:05	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/11/2006	9:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/11/2006	9:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/11/2006	9:05	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<b>Assawoman Canal</b>							
IR50: Assawoman Canal at N end, marina dock							
	7/11/2006	8:50	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/11/2006	8:50	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/11/2006	8:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/11/2006	8:50	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
LA10: Assawoman Canal @ Kent Ave Bridge							
	7/3/2006	7:55	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/3/2006	7:55	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/3/2006	7:55	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/3/2006	7:55	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/3/2006	7:55	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/3/2006	7:55	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/10/2006	8:10	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/10/2006	8:10	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	7/5/2006	9:12	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/5/2006	9:12	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/11/2006	8:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/11/2006	8:30	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.11
	7/11/2006	8:30	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	7/11/2006	8:30	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/11/2006	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/11/2006	8:30	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.46
	7/11/2006	8:30	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.55
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	7/11/2006	8:35	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/11/2006	8:35	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/11/2006	8:35	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	7/11/2006	8:35	Surfc	<i>Gyrodinium instriatum (B)</i>		Many	7.26
	7/11/2006	8:35	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/11/2006	8:35	Surfc	<i>Prorocentrum gracile (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.

## 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.							
	7/11/2006	8:35	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.50
<b>Broadkill River</b>							
BR01: Broadkill river @ PEL dock.							
	6/29/2006	15:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.17
	6/29/2006	15:00	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	6/29/2006	15:00	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	6/29/2006	15:00	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	7/12/2006	10:03	Net	<i>Ceratium sp.</i> (T)		Present	
	7/12/2006	10:03	Net	<i>Chaetoceros spp.</i> (T)		Present	
	7/12/2006	10:03	Net	<i>Chattonella subsalsa</i> (T)		Present	
	7/12/2006	10:03	Net	<i>Dinophysis acuminata</i> (T)		Present	
	7/12/2006	10:03	Net	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/12/2006	10:03	Net	<i>Karlodinium venificum</i> (T)		Present	
	7/12/2006	10:03	Net	<i>Prorocentrum gracile</i> (B)		Present	
	7/12/2006	10:03	Net	<i>Prorocentrum minimum</i> (T)		Present	
	7/12/2006	10:03	Net	<i>Prorocentrum sp.</i> (T)		Present	
	7/12/2006	10:03	Net	<i>Rhizosolenia spp.</i> (T)		Present	
	7/12/2006	10:03	Net	<i>Scrippsiella sp.</i> (B)		Present	
	7/12/2006	10:03	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	7/12/2006	10:03	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Old Mill Creek</u>							
BR21: Old Mill Creek downstream from Red Mill Pond							
	7/12/2006	12:00	Surfc	<i>Chaetoceros spp.</i> (T)		Present	
	7/12/2006	12:00	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/12/2006	12:00	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
<b>Delaware Bay</b>							
<u>Canary Creek</u>							
BR19: Canary Creek at New Road							
	7/12/2006	9:37	Surfc	<i>Chaetoceros spp.</i> (T)		Present	
	7/12/2006	9:37	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
BR40: Canary Creek at Pilottown Rd							
	7/12/2006	9:00	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	7/12/2006	9:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/12/2006	9:00	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/12/2006	9:00	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/12/2006	9:00	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
<b>Indian River</b>							
IR04: Warwick Cove							
	7/10/2006	10:15	Surfc	<i>Chaetoceros spp.</i> (T)		Present	
	7/10/2006	10:15	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/10/2006	10:15	Surfc	<i>Cylindrotheca closterium</i> (B)		Abundant	17.60

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<b>Indian River</b>							
IR04: Warwick Cove							
	7/10/2006	10:15	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/10/2006	10:15	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/10/2006	10:15	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/10/2006	10:15	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
IR07: Holt's Landing State Park							
	7/11/2006	9:25	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/11/2006	9:25	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/11/2006	9:25	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	7/11/2006	9:25	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	7/11/2006	9:25	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
IR11: Big Ditch Point							
	7/10/2006	8:00	Surfc	"Gymnodinioid" sp. (S)	25-40 um Grn	Present	
IR20: Bay Colony							
	7/10/2006	8:20	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.14
	7/10/2006	8:20	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/10/2006	8:20	Surfc	<i>Karlodinium venificum</i> (T)		Present	
IR21: Entrance to Boat House Pond, Indian River Bay							
	7/10/2006	7:10	Surfc	<i>Karlodinium venificum</i> (T)		Present	
IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore							
	7/11/2006	8:43	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/11/2006	8:43	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/11/2006	8:43	Surfc	<i>Proto-peridinium quinquecorne</i> (B)		Present	
<u>White Creek</u>							
IR23: Bethany Marina							
	7/11/2006	7:50	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/11/2006	7:50	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.24
	7/11/2006	7:50	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/11/2006	7:50	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	7/11/2006	7:50	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	6/29/2006	9:32	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/29/2006	9:32	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/29/2006	9:32	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.16
	6/29/2006	9:32	Surfc	<i>Prorocentrum gracile</i> (B)		Common	0.74
	6/29/2006	9:32	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	6/29/2006	9:32	Surfc	<i>Proto-peridinium quinquecorne</i> (B)		Present	
	7/6/2006	8:47	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/6/2006	8:47	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/6/2006	8:47	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/6/2006	8:47	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/6/2006	8:47	Surfc	<i>Proto-peridinium quinquecorne</i> (B)		Present	
	7/10/2006	9:03	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	4.84
	7/10/2006	9:03	Surfc	<i>Chattonella subsalsa</i> (T)		Many	2.42

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<b>Indian River</b>							
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	7/10/2006	9:03	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/10/2006	9:03	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.13
	7/10/2006	9:03	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/10/2006	9:03	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.20
	7/13/2006	8:47	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/13/2006	8:47	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.13
	7/13/2006	8:47	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/13/2006	8:47	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/13/2006	8:47	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/13/2006	8:47	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.34
	7/13/2006	8:47	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/13/2006	8:47	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	7/13/2006	8:47	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
IR59: White Creek - west prong near Food Lion							
	7/11/2006	9:41	Surfc	<i>Anabaena (T)</i>		Many	1.10
	7/11/2006	9:41	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.10
	7/11/2006	9:41	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.64
IR60A: 4 Cristy Lane, Ocean View; E Branch of White Creek							
	7/5/2006	8:57	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/5/2006	8:57	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/5/2006	8:57	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.16
	7/5/2006	8:57	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.20
	7/11/2006	9:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/11/2006	9:00	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.34
	7/11/2006	9:00	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	7/11/2006	9:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/11/2006	9:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.13
	7/11/2006	9:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/11/2006	9:00	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.14
	7/11/2006	9:00	Surfc	<i>Prorocentrum gracile (B)</i>		Common	0.10
	7/11/2006	9:00	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
<b>Lake Gerar</b>							
RL10: Lake Gerar bridge							
	7/13/2006	13:30	Surfc	<i>Anabaena (T)</i>		Abundant	81.40
	7/13/2006	13:30	Surfc	<i>Cylindrospermopsis? (T)</i>		Abundant	44.00
<b>Lewes - Rehoboth Canal</b>							
RB02: Lewes - Rehoboth Canal at Lewes							
	7/10/2006	8:30	Net	<i>Chaetoceros spp. (T)</i>		Present	
	7/10/2006	8:30	Net	<i>Karlodinium venificum (T)</i>		Present	
	7/10/2006	8:30	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<b>Little Assawoman Bay</b>							
LA15B: Red channel marker #12							

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Little Assawoman Bay</b>							
LA15B: Red channel marker #12							
	6/30/2006	6:25	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/30/2006	6:25	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/30/2006	6:25	Surfc	<i>Karlodinium venificum</i> (T)		Present	
LA35B: Red Channel marker #28, across from Miller Creek							
	6/30/2006	6:15	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/30/2006	6:15	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/30/2006	6:15	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/30/2006	6:15	Surfc	<i>Karlodinium venificum</i> (T)		Present	
LA42B: Narrows, South of state beach at point							
	6/30/2006	6:18	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/30/2006	6:18	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/30/2006	6:18	Surfc	<i>Karlodinium venificum</i> (T)		Present	
LA45: Fenwick Island Bayside							
	7/11/2006	8:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/11/2006	8:00	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/11/2006	8:00	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	7/10/2006	8:40	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	7/10/2006	8:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/10/2006	8:40	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/10/2006	8:40	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	7/10/2006	9:24	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/10/2006	9:24	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	7/10/2006	9:24	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.10
	7/10/2006	9:24	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/10/2006	9:24	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/10/2006	9:24	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/10/2006	9:24	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.45
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	7/5/2006	8:35	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/5/2006	8:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/5/2006	8:35	Surfc	<i>Heterosigma akashiwo</i> . (T)		Abundant	15.00
	7/5/2006	8:35	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/11/2006	8:55	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/11/2006	8:55	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/11/2006	8:55	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/11/2006	8:55	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/11/2006	8:55	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.38
LA22B: Dirickson Creek upper section between Williams Creek and the LA09, mid channel near duck blind.							
	6/30/2006	6:35	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/30/2006	6:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	

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#### 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**

Dirickson Creek

LA22B: Dirickson Creek upper section between Williams Creek and the LA09, mid channel near duck blind.

6/30/2006	6:35	Surfc		<i>Heterosigma akashiwo</i> (T)		Present	
6/30/2006	6:35	Surfc		<i>Karlodinium venificum</i> (T)		Common	0.14

Jefferson Creek

SB10E: SB: Russell Canal east dead end

6/29/2006	8:35	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Abundant	33.40
6/29/2006	8:35	Surfc		<i>Chattonella subsalsa</i> (T)		Many	7.90
6/29/2006	8:35	Surfc		<i>Fibrocapsa japonica</i> (T)		Many	5.30
6/29/2006	8:35	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
6/29/2006	8:35	Surfc		<i>Heterosigma akashiwo</i> (T)		Many	9.00
6/29/2006	8:35	Surfc		<i>Karlodinium venificum</i> (T)		Present	
7/6/2006	8:20	Surfc		<i>Chattonella subsalsa</i> (T)		Common	0.13
7/6/2006	8:20	Surfc		<i>Fibrocapsa japonica</i> (T)		Present	
7/6/2006	8:20	Surfc		<i>Heterocapsa rotundata</i> (B)		Common	0.10
7/6/2006	8:20	Surfc		<i>Karlodinium venificum</i> (T)		Present	
7/10/2006	8:40	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Common	0.13
7/10/2006	8:40	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.11
7/10/2006	8:40	Surfc		<i>Heterosigma akashiwo</i> (T)		Common	0.52
7/10/2006	8:40	Surfc		<i>Karlodinium venificum</i> (T)		Present	
7/13/2006	8:20	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Present	
7/13/2006	8:20	Surfc		<i>Chattonella subsalsa</i> (T)		Present	
7/13/2006	8:20	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.10
7/13/2006	8:20	Surfc		<i>Karlodinium venificum</i> (T)		Present	

SB10W: SB: Russell Canal west dead end

6/29/2006	8:50	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Many	7.90
6/29/2006	8:50	Surfc		<i>Chattonella subsalsa</i> (T)		Common	0.34
6/29/2006	8:50	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.31
6/29/2006	8:50	Surfc		<i>Karlodinium venificum</i> (T)		Present	
7/6/2006	8:25	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
7/6/2006	8:25	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
7/6/2006	8:25	Surfc		<i>Karlodinium venificum</i> (T)		Present	
7/10/2006	8:47	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Present	
7/10/2006	8:47	Surfc		<i>Chattonella subsalsa</i> (T)		Common	0.34
7/10/2006	8:47	Surfc		<i>Fibrocapsa japonica</i> (T)		Present	
7/10/2006	8:47	Surfc		<i>Karlodinium venificum</i> (T)		Present	
7/13/2006	8:27	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Present	
7/13/2006	8:27	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.24
7/13/2006	8:27	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
7/13/2006	8:27	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
7/13/2006	8:27	Surfc		<i>Karlodinium venificum</i> (T)		Present	
7/13/2006	8:27	Surfc		<i>Kryptoperidinium foliaceum</i> (B)		Present	

Miller Creek

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

**Citizen Monitoring Program**

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Little Assawoman Bay</b>							
<u>Miller Creek</u>							
LA31: Double Bridges road bridge at Plantation Park							
	7/11/2006	8:15	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/11/2006	8:15	Surfc	<i>Karlodinium venificum (T)</i>		Present	
LA33B: Camp Barnes dock - by boat							
	6/30/2006	6:07	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/30/2006	6:07	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/30/2006	6:07	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.11
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	7/10/2006	9:35	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/10/2006	9:35	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/10/2006	9:35	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.19
<b>Rehoboth Bay</b>							
RB07: West Bay Park							
	7/11/2006	8:45	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
<u>Arnell Creek</u>							
AC2S: DNREC Site, Arnell Creek, surface sample							
	6/29/2006	13:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/29/2006	13:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.35
	6/29/2006	13:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.10
	6/29/2006	13:00	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	6/29/2006	13:00	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	6/29/2006	13:00	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	6/29/2006	13:00	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	7/6/2006	12:15	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.10
	7/6/2006	12:15	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/6/2006	12:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/6/2006	12:15	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/13/2006	12:30	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/13/2006	12:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/13/2006	12:30	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<u>Bald Eagle Creek</u>							
RB46: Torquay Canal at East bulkhead on Land's End.							
	7/5/2006	9:40	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/5/2006	9:40	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/5/2006	9:40	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/5/2006	9:40	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/5/2006	9:40	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.15
	7/5/2006	9:40	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/6/2006	13:50	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/6/2006	13:50	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.20
	7/6/2006	13:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	

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

**Citizen Monitoring Program**

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Rehoboth Bay</b>							
<u>Bald Eagle Creek</u>							
RB46: Torquay Canal at East bulkhead on Land's End.							
	7/6/2006	13:50	Surfc	<i>Heterosigma akashiwo. (T)</i>		Many	1.13
	7/6/2006	13:50	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.19
	7/6/2006	13:50	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/6/2006	13:50	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	7/11/2006	10:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/11/2006	10:20	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.30
	7/11/2006	10:20	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/11/2006	10:20	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/11/2006	10:20	Surfc	<i>Protooperidinium quinquecorne (B)</i>		Present	
	7/13/2006	13:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/13/2006	13:30	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.28
	7/13/2006	13:30	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.22
RB46B: Torquay Canal by boat; UD Site 2							
	7/6/2006	14:30	0.2 m	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/6/2006	14:30	0.2 m	<i>Chattonella subsalsa (T)</i>		Many	3.06
	7/6/2006	14:30	0.2 m	<i>Heterocapsa rotundata (B)</i>		Common	0.71
	7/6/2006	14:30	0.2 m	<i>Heterosigma akashiwo. (T)</i>		Many	1.18
	7/6/2006	14:30	0.2 m	<i>Karlodinium venificum (T)</i>		Common	0.23
	7/6/2006	14:30	0.2 m	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/6/2006	14:30	0.2 m	<i>Prorocentrum gracile (B)</i>		Present	
RB64: Torquay Canal, west side of Land's End near UD Site #1							
	7/6/2006	10:30	0.2 m	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/6/2006	10:30	0.2 m	<i>Chattonella subsalsa (T)</i>		Present	
	7/6/2006	10:30	0.2 m	<i>Gyrodinium instriatum (B)</i>		Present	
	7/6/2006	10:30	0.2 m	<i>Heterocapsa rotundata (B)</i>		Common	0.31
	7/6/2006	10:30	0.2 m	<i>Heterosigma akashiwo. (T)</i>		Many	1.39
	7/6/2006	10:30	0.2 m	<i>Karlodinium venificum (T)</i>		Common	0.17
	7/6/2006	10:30	0.2 m	<i>Kryptoperidinium foliaceum (B)</i>		Present	
RB69: Torquay Canal DNREC site. TC1							
	6/29/2006	13:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/29/2006	13:30	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/29/2006	13:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/29/2006	13:30	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/6/2006	13:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/6/2006	13:05	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.15
	7/6/2006	13:05	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/6/2006	13:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/6/2006	13:05	Surfc	<i>Heterosigma akashiwo. (T)</i>		Abundant	31.50
	7/6/2006	13:05	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.20
	7/6/2006	13:05	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/13/2006	13:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/13/2006	13:00	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.11

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

#### Citizen Monitoring Program



Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
<b>Rehoboth Bay</b>							
<u>Bald Eagle Creek</u>							
RB69: Torquay Canal DNREC site. TC1							
	7/13/2006	13:00	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	7/10/2006	12:15	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/10/2006	12:15	Surfc	<i>Karlodinium venificum</i> (T)		Present	
RB06: Guinea Creek (Winding Creek Village)							
	7/10/2006	9:30	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	7/10/2006	9:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/10/2006	9:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/10/2006	9:30	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/10/2006	9:30	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/10/2006	9:30	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
RB06A: Guinea Creek @ Rd 298 Bridge							
	7/10/2006	12:45	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/10/2006	12:45	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
RB60: Community Dock at Creek's End							
	7/11/2006	10:09	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	7/11/2006	10:09	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/11/2006	10:09	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/11/2006	10:09	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.17
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	7/11/2006	11:50	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	7/11/2006	11:50	Surfc	<i>Anabaena</i> (T)		Common	0.20
	7/11/2006	11:50	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/11/2006	11:50	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.19
	7/11/2006	11:50	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/11/2006	11:50	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	7/6/2006	9:25	Surfc	<i>Gyrodinium instriatum</i> (B)		Many	2.70
	7/6/2006	9:25	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/10/2006	9:58	Surfc	<i>Cylindrotheca closterium</i> (B)		Abundant	19.10
	7/10/2006	9:58	Surfc	<i>Gyrodinium instriatum</i> (B)		Abundant	16.30
	7/10/2006	9:58	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/10/2006	9:58	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/10/2006	9:58	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	7/13/2006	9:27	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.96
	7/13/2006	9:27	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.80
	7/13/2006	9:27	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
RLC2S: DNREC site, upper Love Creek							

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**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							
	6/29/2006	14:00	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	6/29/2006	14:00	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	7/6/2006	11:55	Surfc	<i>Gyrodinium instriatum</i> (B)		Many	2.90
	7/6/2006	11:55	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	7/6/2006	11:55	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	7/6/2006	11:55	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
	7/13/2006	12:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/13/2006	12:05	Surfc	<i>Cylindrospermopsis?</i> (T)		Present	
	7/13/2006	12:05	Surfc	<i>Gyrodinium instriatum</i> (B)		Many	3.70
	7/13/2006	12:05	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	7/13/2006	12:05	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	7/13/2006	12:05	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
<b>Silver Lake</b>							
RL01: Lake Drive Bridge							
*** Fish Kill ***	7/10/2006	14:58	Surfc	<i>Anabaena</i> (T)		Abundant	80.70
	7/10/2006	14:58	Surfc	<i>Cylindrospermopsis?</i> (T)		Abundant	58.70
	7/10/2006	14:58	Surfc	<i>Gloeocapsa?</i> (B)		Abundant	77.00
	7/10/2006	14:58	Surfc	<i>Microcystis</i> (T)		Common	

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**Citizen Monitoring Program**