

# Harmful Algae Report

All data between 8/26/2006 and 9/22/2006

Citizen Monitor Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
<b>Assawoman Bay</b>							
<u>Roy Creek</u>							
BA01: Keenwick on Bay, Roy Creek							
	9/19/2006	8:47	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/19/2006	8:47	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<b>Assawoman Canal</b>							
IR50: Assawoman Canal at N end, marina dock							
	9/20/2006	8:13	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/20/2006	8:13	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
LA10: Assawoman Canal @ Kent Ave Bridge							
	8/28/2006	8:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/28/2006	8:10	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/5/2006	8:05	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/5/2006	8:05	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.16
	9/5/2006	8:05	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/11/2006	8:10	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/11/2006	8:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.11
	9/18/2006	8:20	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/18/2006	8:20	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
<b>Bethany Loop Canal</b>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	9/7/2006	8:26	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	9/13/2006	8:16	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	1.76
	9/13/2006	8:16	Surfc	<i>Heterocapsa rotundata</i> (B)		Many	2.42
	9/13/2006	8:16	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/13/2006	8:16	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/19/2006	8:36	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	2.90
	9/19/2006	8:36	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/19/2006	8:36	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.15
	9/19/2006	8:36	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.32
	9/19/2006	8:36	Surfc	<i>Karlodinium venificum</i> (T)		Present	
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	9/19/2006	8:24	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/19/2006	8:24	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.45
	9/19/2006	8:24	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/19/2006	8:24	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
<b>Broadkill River</b>							
BR01: Broadkill river @ PEL dock.							
	9/13/2006	14:55	Net	<i>Chaetoceros spp.</i> (T)		Present	
	9/13/2006	14:55	Net	<i>Ditylum spp.</i> (T)		Present	

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MC/L - Million Cells per Liter. Abundance Levels: Not Found: Looked for, but no cells found; Present: < 0.1 MC/L; Common: 0.1 - 1 MC/L; Many: 1 - 10 MC/L; Abundant: 10 - 100 MC/L; Very Abundant: > 100 MC/L.

## Citizen Monitoring Program

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<b>Broadkill River</b>							
BR01: Broadkill river @ PEL dock.							
	9/13/2006	14:55	Net	<i>Prorocentrum sp. (T)</i>		Present	
	9/13/2006	14:55	Net	<i>Rhizosolenia spp. (T)</i>		Present	
	9/19/2006	10:18	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/19/2006	10:18	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	9/19/2006	10:18	Surfc	<i>Rhizosolenia spp. (T)</i>		Present	
	9/19/2006	10:30	Net	" <i>Gymnodinioid</i> " sp.	25-40 um Grn	Present	
	9/19/2006	10:30	Net	<i>Amphidinium sp. (T)</i>		Present	
	9/19/2006	10:30	Net	<i>Chaetoceros spp. (T)</i>		Present	
	9/19/2006	10:30	Net	<i>Cochlodinium sp. (T)</i>		Present	
	9/19/2006	10:30	Net	<i>Ditylum spp. (T)</i>		Present	
	9/19/2006	10:30	Net	<i>Fibrocapsa japonica (T)</i>		Present	
	9/19/2006	10:30	Net	<i>Heterocapsa rotundata (B)</i>		Present	
	9/19/2006	10:30	Net	<i>Karlodinium venificum (T)</i>		Present	
	9/19/2006	10:30	Net	<i>Oscillatoria spp. (B)</i>		Present	
	9/19/2006	10:30	Net	<i>Prorocentrum sp. (T)</i>		Present	
	9/19/2006	10:30	Net	<i>Pseudo-nitzschia spp. (T)</i>		Present	
	9/19/2006	10:30	Net	<i>Rhizosolenia spp. (T)</i>		Present	
	9/19/2006	10:30	Net	<i>Scrippsiella sp. (B)</i>		Present	
<b>Old Mill Creek</b>							
BR21: Old Mill Creek downstream from Red Mill Pond							
	9/20/2006	14:10	Surfc	<i>Anabaena spp. (T)</i>		Many	2.74
	9/20/2006	14:10	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
<b>Delaware Bay</b>							
<b>Canary Creek</b>							
BR19: Canary Creek at New Road							
	9/19/2006	10:07	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/19/2006	10:07	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.49
BR40: Canary Creek at Pilottown Rd							
	9/20/2006	9:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/20/2006	9:00	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	9/20/2006	9:00	Surfc	<i>Rhizosolenia spp. (T)</i>		Present	
<b>Indian River</b>							
IR11: Big Ditch Point							
	9/18/2006	7:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
IR21: Entrance to Boat House Pond, Indian River Bay							
	9/18/2006	7:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/18/2006	7:20	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<b>Indian River</b>							
IR04: Warwick Cove							
	9/18/2006	9:13	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/18/2006	9:13	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/18/2006	9:13	Surfc	<i>Karlodinium venificum (T)</i>		Present	

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<b>Indian River</b>							
<u>Indian River</u>							
IR07: Holt's Landing State Park	9/20/2006	8:43	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
IR20: Bay Colony	9/18/2006	7:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/18/2006	7:35	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/18/2006	7:35	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/18/2006	7:35	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
IR36B: James Farm, Pasture Point	9/18/2006	9:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/18/2006	9:00	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Vines Creek</u>							
IR38: Vines Lane	9/6/2006	13:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
<u>White Creek</u>							
IR23: Bethany Marina	9/18/2006	8:20	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/18/2006	8:20	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/18/2006	8:20	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
IR32: Holly Terrace Acres Canal Dead End, White Creek	8/28/2006	9:15	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	8/28/2006	9:15	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.61
	8/28/2006	9:15	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/28/2006	9:15	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	8/28/2006	9:15	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	8/28/2006	9:15	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	8/31/2006	8:19	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	8/31/2006	8:19	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	8/31/2006	8:19	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	8/31/2006	8:19	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/31/2006	8:19	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/31/2006	8:19	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	8/31/2006	8:19	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/5/2006	9:20	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.16
	9/5/2006	9:20	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	9/5/2006	9:20	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/5/2006	9:20	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
	9/11/2006	9:18	Surfc	<i>Amphidinium sp.</i> (T)		Present	
	9/11/2006	9:18	Surfc	<i>Heterocapsa rotundata</i> (B)		Many	3.85
	9/11/2006	9:18	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	9/11/2006	9:18	Surfc	<i>Leptocylindrus spp.</i> (B*)		Abundant	22.70
	9/11/2006	9:18	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	9/14/2006	8:45	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	

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<b>Indian River</b>							
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	9/14/2006	8:45	Surfc	<i>Ditylum spp. (T)</i>		Present	
	9/14/2006	8:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.11
	9/14/2006	8:45	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.11
	9/14/2006	8:45	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.13
	9/14/2006	8:45	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	9/18/2006	9:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/18/2006	9:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/18/2006	9:05	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/18/2006	9:05	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.11
	9/18/2006	9:05	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	9/18/2006	9:05	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	9/21/2006	8:23	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/21/2006	8:23	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/21/2006	8:23	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/21/2006	8:23	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.24
	9/21/2006	8:23	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	9/21/2006	8:23	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	9/21/2006	8:23	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
IR60A: 4 Cristy Lane, Ocean View; E Branch of White Creek							
	9/20/2006	8:23	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/20/2006	8:23	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	9/20/2006	8:23	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.20
	9/20/2006	8:23	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	9/20/2006	8:23	Surfc	<i>Microcystis spp. (T)</i>		Common	0.63
<b>Lewes - Rehoboth Canal</b>							
<u>Delaware Bay</u>							
RB02: Lewes - Rehoboth Canal at Lewes							
	8/28/2006	8:30	Net	<i>Chaetoceros spp. (T)</i>		Present	
	8/28/2006	8:30	Net	<i>Ditylum spp. (T)</i>		Present	
	8/28/2006	8:30	Net	<i>Rhizosolenia spp. (T)</i>		Present	
	8/28/2006	8:30	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	9/6/2006	8:00	Net	<i>Ditylum spp. (T)</i>		Present	
	9/19/2006	8:10	Net	<i>Chaetoceros spp. (T)</i>		Present	
	9/19/2006	8:10	Net	<i>Ditylum spp. (T)</i>		Present	
	9/19/2006	8:10	Net	<i>Prorocentrum sp. (T)</i>		Present	
	9/19/2006	8:10	Net	<i>Pseudo-nitzschia spp. (T)</i>		Present	
	9/19/2006	8:10	Net	<i>Rhizosolenia spp. (T)</i>		Present	
	9/19/2006	8:10	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
<b>Little Assawoman Bay</b>							
LA15B: Red channel marker #12							
	8/30/2006	7:17	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	

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<b>Little Assawoman Bay</b>							
LA15B: Red channel marker #12							
	8/30/2006	7:17	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/30/2006	7:17	Surfc	<i>Karlodinium venificum (T)</i>		Present	
LA35B: Red Channel marker #28, across from Miller Creek							
	8/30/2006	7:07	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/30/2006	7:07	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/30/2006	7:07	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
LA42B: Narrows, South of state beach at point							
	8/30/2006	7:10	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/30/2006	7:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
LA45: Fenwick Island Bayside							
	9/19/2006	9:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/19/2006	9:10	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<b>Dirickson Creek</b>							
LA03: Mulberry Landing							
	9/18/2006	8:37	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/18/2006	8:37	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/18/2006	8:37	Surfc	<i>Karlodinium venificum (T)</i>		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	9/18/2006	9:17	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/18/2006	9:17	Surfc	<i>Gyrodinium instriatum (B)</i>		Many	3.96
	9/18/2006	9:17	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/18/2006	9:17	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	9/18/2006	9:17	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	9/6/2006	8:17	Surfc	<i>Oscillatoria spp. (B)</i>		Common	0.63
	9/19/2006	9:08	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/19/2006	9:08	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/19/2006	9:08	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.20
LA22B: Dirickson Creek upper section between Williams Creek and the LA09, mid channel near duck blind.							
	8/30/2006	7:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/30/2006	7:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.46
	8/30/2006	7:30	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.19
<b>Jefferson Creek</b>							
SB10E: SB: Russell Canal east dead end							
	8/28/2006	8:37	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.36
	8/28/2006	8:37	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	8/28/2006	8:37	Surfc	<i>Fibrocapsa japonica (T)</i>		Common	0.21
	8/28/2006	8:37	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/28/2006	8:37	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/28/2006	8:37	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/31/2006	7:51	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	4.18
	8/31/2006	7:51	Surfc	<i>Chattonella subsalsa (T)</i>		Many	4.18

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
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**Little Assawoman Bay**

Jefferson Creek

SB10E: SB: Russell Canal east dead end

8/31/2006	7:51	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.25
8/31/2006	7:51	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
8/31/2006	7:51	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
8/31/2006	7:51	Surfc		<i>Heterosigma akashiwo</i> . (T)		Common	0.88
9/5/2006	8:41	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
9/5/2006	8:41	Surfc		<i>Heterocapsa rotundata</i> (B)		Common	0.10
9/5/2006	8:41	Surfc		<i>Kryptoperidinium foliaceum</i> (B)		Present	
9/7/2006	8:08	Surfc		<i>Heterocapsa rotundata</i> (B)		Common	0.24
9/7/2006	8:08	Surfc		<i>Karlodinium venificum</i> (T)		Common	0.47
9/7/2006	8:08	Surfc		<i>Protooperidinium quinquecorne</i> (B)		Present	
9/11/2006	8:43	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Common	0.10
9/11/2006	8:43	Surfc		<i>Heterocapsa rotundata</i> (B)		Common	0.24
9/11/2006	8:43	Surfc		<i>Karlodinium venificum</i> (T)		Present	
9/14/2006	8:17	Surfc		<i>Akashiwo sanguineum</i> (B)		Present	
9/14/2006	8:17	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Common	0.80
9/14/2006	8:17	Surfc		<i>Heterosigma akashiwo</i> . (T)		Present	
9/14/2006	8:17	Surfc		<i>Karlodinium venificum</i> (T)		Present	
9/18/2006	8:46	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Common	0.61
9/18/2006	8:46	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
9/18/2006	8:46	Surfc		<i>Karlodinium venificum</i> (T)		Common	0.14
9/18/2006	8:46	Surfc		<i>Kryptoperidinium foliaceum</i> (B)		Present	
9/21/2006	8:00	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Present	
9/21/2006	8:00	Surfc		<i>Heterosigma akashiwo</i> . (T)		Present	
9/21/2006	8:00	Surfc		<i>Karlodinium venificum</i> (T)		Common	0.11

SB10W: SB: Russell Canal west dead end

8/28/2006	8:32	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Common	0.19
8/28/2006	8:32	Surfc		<i>Fibrocapsa japonica</i> (T)		Present	
8/28/2006	8:32	Surfc		<i>Heterocapsa rotundata</i> (B)		Common	0.10
8/28/2006	8:32	Surfc		<i>Karlodinium venificum</i> (T)		Present	
8/31/2006	7:57	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Many	1.76
8/31/2006	7:57	Surfc		<i>Chattonella subsalsa</i> (T)		Many	2.64
8/31/2006	7:57	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.11
8/31/2006	7:57	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
8/31/2006	7:57	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
8/31/2006	7:57	Surfc		<i>Heterosigma akashiwo</i> . (T)		Many	1.38
9/5/2006	8:35	Surfc		<i>Akashiwo sanguineum</i> (B)		Present	
9/5/2006	8:35	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
9/5/2006	8:35	Surfc		<i>Karlodinium venificum</i> (T)		Present	
9/5/2006	8:35	Surfc		<i>Kryptoperidinium foliaceum</i> (B)		Present	
9/7/2006	8:05	Surfc		<i>Akashiwo sanguineum</i> (B)		Present	
9/7/2006	8:05	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	

Name subsripts: (B) - nontoxic bloom former; (B\*) - nontoxic bloom former reported only at levels > 10 MC/L; (S) - cell similar to a known toxic cell; (T) - potentially toxic cell.

MC/L - Million Cells per Liter. Abundance Levels: Not Found: Looked for, but no cells found; Present: < 0.1 MC/L; Common: 0.1 - 1 MC/L; Many: 1 - 10 MC/L; Abundant: 10 - 100 MC/L; Very Abundant: > 100 MC/L.

**Citizen Monitoring Program**

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
<b>Little Assawoman Bay</b>							
<u>Jefferson Creek</u>							
SB10W: SB: Russell Canal west dead end							
	9/7/2006	8:05	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/7/2006	8:05	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.24
	9/7/2006	8:05	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	9/7/2006	8:05	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/11/2006	9:03	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.13
	9/11/2006	9:03	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.13
	9/14/2006	8:28	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/14/2006	8:28	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/14/2006	8:28	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	9/14/2006	8:28	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/14/2006	8:28	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/18/2006	8:40	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/18/2006	8:40	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	9/18/2006	8:40	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/21/2006	7:55	Surfc	<i>Amphidinium sp.</i> (T)		Present	
	9/21/2006	7:55	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	9/21/2006	7:55	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Miller Creek</u>							
LA33B: Camp Barnes dock - by boat							
	8/30/2006	7:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/30/2006	7:00	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.17
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	9/18/2006	9:07	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.14
	9/18/2006	9:07	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.15
	9/18/2006	9:07	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
<b>Rehoboth Bay</b>							
ML: Massey's Landing							
	9/18/2006	11:54	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/18/2006	11:54	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	9/18/2006	11:54	Surfc	<i>Karlodinium venificum</i> (T)		Present	
RB07: West Bay Park							
	9/19/2006	8:30	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/19/2006	8:30	Surfc	<i>Amphidinium sp.</i> (T)		Present	
	9/19/2006	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/19/2006	8:30	Surfc	<i>Heterosigma akashiwo.</i> (T)		Common	0.76
	9/19/2006	8:30	Surfc	<i>Prorocentrum gracile</i> (B)		Common	0.22
<u>Arnell Creek</u>							
AC2S: DNREC Site, Arnell Creek, surface sample							
	8/31/2006	12:50	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	

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MC/L - Million Cells per Liter. Abundance Levels: Not Found: Looked for, but no cells found; Present: < 0.1 MC/L; Common: 0.1 - 1 MC/L; Many: 1 - 10 MC/L; Abundant: 10 - 100 MC/L; Very Abundant: > 100 MC/L.

#### Citizen Monitoring Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
<b>Rehoboth Bay</b>							
<u>Arnell Creek</u>							
AC2S: DNREC Site, Arnell Creek, surface sample							
	8/31/2006	12:50	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/7/2006	13:28	Surfc	<i>Amphidinium</i> sp. (T)		Present	
	9/7/2006	13:28	Surfc	<i>Chattonella</i> cf. <i>verruculosa</i> (T)		Present	
	9/7/2006	13:28	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/15/2006	15:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.21
	9/15/2006	15:30	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.22
	9/15/2006	15:30	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/15/2006	15:30	Surfc	<i>Prorocentrum micans</i> (B)		Present	
<u>Bald Eagle Creek</u>							
RB46: Torquay Canal at East bulkhead on Land's End.							
	8/31/2006	13:00	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/31/2006	13:00	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	8/31/2006	13:00	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.10
	9/6/2006	9:29	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/6/2006	9:29	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/6/2006	9:29	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/7/2006	13:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/7/2006	13:40	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/12/2006	8:35	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/12/2006	8:35	Surfc	<i>Chaetoceros</i> spp. (T)		Common	0.10
	9/12/2006	8:35	Surfc	<i>Chattonella</i> cf. <i>verruculosa</i> (T)		Present	
	9/12/2006	8:35	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/12/2006	8:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/12/2006	8:35	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.95
	9/12/2006	8:35	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/12/2006	8:35	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	9/12/2006	8:35	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/12/2006	8:35	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
	9/14/2006	13:40	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/14/2006	13:40	Surfc	<i>Amphidinium</i> sp. (T)		Present	
	9/14/2006	13:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	
	9/14/2006	13:40	Surfc	<i>Heterosigma akashiwo</i> . (T)		Many	1.84
	9/14/2006	13:40	Surfc	<i>Karlodinium venificum</i> (T)		Many	2.13
	9/14/2006	13:40	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Common	0.12
	9/14/2006	13:40	Surfc	<i>Prorocentrum gracile</i> (B)		Common	0.40
	9/14/2006	13:40	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	9/14/2006	13:40	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/14/2006	13:40	Surfc	<i>Scrippsiella</i> sp. (B)		Present	0.08
	9/21/2006	13:45	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/21/2006	13:45	Surfc	<i>Chattonella</i> cf. <i>verruculosa</i> (T)		Present	
	9/21/2006	13:45	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	

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MC/L - Million Cells per Liter. Abundance Levels: Not Found: Looked for, but no cells found; Present: < 0.1 MC/L; Common: 0.1 - 1 MC/L; Many: 1 - 10 MC/L; Abundant: 10 - 100 MC/L; Very Abundant: > 100 MC/L.

**Citizen Monitoring Program**

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
<b>Rehoboth Bay</b>							
<u>Bald Eagle Creek</u>							
RB46: Torquay Canal at East bulkhead on Land's End.							
	9/21/2006	13:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/21/2006	13:45	Surfc	<i>Heterosigma akashiwo</i> . (T)		Many	6.50
	9/21/2006	13:45	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.10
	9/21/2006	13:45	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	9/21/2006	13:45	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	9/21/2006	13:45	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	9/21/2006	13:45	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
RB69: Torquay Canal DNREC site. TC1							
	8/31/2006	13:20	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/31/2006	13:20	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Present	
	9/7/2006	13:53	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/7/2006	13:53	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/7/2006	13:53	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/15/2006	15:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.10
	9/15/2006	15:00	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/15/2006	15:00	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.17
	9/15/2006	15:00	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Present	
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	9/18/2006	12:24	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/18/2006	12:24	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/18/2006	12:24	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
RB06: Guinea Creek (Winding Creek Village)							
	9/18/2006	8:30	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	9/18/2006	8:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/18/2006	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/18/2006	8:30	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.46
	9/18/2006	8:30	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/18/2006	8:30	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
RB06A: Guinea Creek @ Rd 298 Bridge							
	9/18/2006	12:49	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/18/2006	12:49	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	9/19/2006	10:15	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/19/2006	10:15	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	8/28/2006	9:55	Surfc	(Unknown) sp. (B*)	10-15 um Grn trdrp	Abundant	33.00
	8/28/2006	9:55	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	7.04
	8/28/2006	9:55	Surfc	<i>Cylindrotheca closterium</i> (B*)		Abundant	11.00

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#### Citizen Monitoring Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
<b>Rehoboth Bay</b>							
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	8/28/2006	9:55	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.19
	8/28/2006	9:55	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/31/2006	8:58	Surfc	"Gymnodinioid" sp.	25-40 um Grn	Present	
	8/31/2006	8:58	Surfc	(Unknown) sp. (B*)	10-15 um Grn trdrp	Abundant	13.20
	8/31/2006	8:58	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	1.14
	8/31/2006	8:58	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/31/2006	8:58	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/31/2006	8:58	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
	9/6/2006	9:12	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	9/6/2006	9:12	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/6/2006	9:12	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.14
	9/6/2006	9:12	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/6/2006	9:12	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/12/2006	8:56	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	3.74
	9/12/2006	8:56	Surfc	<i>Gyrodinium instriatum</i> (B)		Many	1.10
	9/12/2006	8:56	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/12/2006	8:56	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	9/12/2006	8:56	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/14/2006	9:23	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.71
	9/14/2006	9:23	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.14
	9/14/2006	9:23	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/18/2006	9:48	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	9/18/2006	9:48	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	9/18/2006	9:48	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/18/2006	9:48	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/18/2006	9:48	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	9/21/2006	8:57	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.63
	9/21/2006	8:57	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	9/21/2006	8:57	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	9/21/2006	8:57	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/21/2006	8:57	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	9/21/2006	8:57	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
RLC2S: DNREC site, upper Love Creek							
	8/31/2006	12:30	Surfc	(Unknown) sp. (B*)	10-15 um Grn trdrp	Abundant	55.00
	8/31/2006	12:30	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	1.06
	8/31/2006	12:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/31/2006	12:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/31/2006	12:30	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	8/31/2006	12:30	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	9/7/2006	12:31	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.52
	9/7/2006	12:31	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.10

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MC/L - Million Cells per Liter. Abundance Levels: Not Found: Looked for, but no cells found; Present: < 0.1 MC/L; Common: 0.1 - 1 MC/L; Many: 1 - 10 MC/L; Abundant: 10 - 100 MC/L; Very Abundant: > 100 MC/L.

**Citizen Monitoring Program**

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
<b>Rehoboth Bay</b>							
<u>Love Creek</u>							
RLC2S: DNREC site, upper Love Creek							
	9/7/2006	12:31	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.44
	9/7/2006	12:31	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.10
	9/7/2006	12:31	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	9/7/2006	12:31	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	9/15/2006	16:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	9/15/2006	16:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.39
	9/15/2006	16:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	9/15/2006	16:00	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	

Name subsripts: (B) - nontoxic bloom former; (B\*) - nontoxic bloom former reported only at levels > 10 MC/L; (S) - cell similar to a known toxic cell; (T) - potentially toxic cell.

MC/L - Million Cells per Liter. Abundance Levels: Not Found: Looked for, but no cells found; Present: < 0.1 MC/L; Common: 0.1 - 1 MC/L; Many: 1 - 10 MC/L; Abundant: 10 - 100 MC/L; Very Abundant: > 100 MC/L.

**Citizen Monitoring Program**