

# Harmful Algae Report

All data between 7/15/2006 and 7/28/2006

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							
	7/25/2006	9:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/25/2006	9:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/25/2006	9:05	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/25/2006	9:05	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<b>Assawoman Canal</b>							
IR50: Assawoman Canal at N end, marina dock							
	7/26/2006	8:15	Surfc	<i>Akashiwo sanguineum (B)</i>		Common	0.11
	7/26/2006	8:15	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/26/2006	8:15	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/26/2006	8:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/26/2006	8:15	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/26/2006	8:15	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/26/2006	8:15	Surfc	<i>Protoperdinium quinquecorne (B)</i>		Present	
LA10: Assawoman Canal @ Kent Ave Bridge							
	7/17/2006	8:10	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/17/2006	8:10	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/17/2006	8:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.34
	7/17/2006	8:10	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/17/2006	8:10	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/24/2006	8:05	Surfc	<i>Akashiwo sanguineum (B)</i>		Common	0.10
	7/24/2006	8:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/24/2006	8:05	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/24/2006	8:05	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/24/2006	8:05	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/24/2006	8:05	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/24/2006	8:05	Surfc	<i>Protoperdinium quinquecorne (B)</i>		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	7/25/2006	8:27	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.13
	7/25/2006	8:27	Surfc	<i>Chattonella subsalsa (T)</i>		Many	2.59
	7/25/2006	8:27	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	7/25/2006	8:27	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.26
	7/25/2006	8:27	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/25/2006	8:27	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.66
	7/25/2006	8:27	Surfc	<i>Protoperdinium quinquecorne (B)</i>		Common	0.51
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							

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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>Assawoman Canal</b>							
<u>Bethany Loop Canal</u>							
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	7/25/2006	8:37	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.11
	7/25/2006	8:37	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.16
	7/25/2006	8:37	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/25/2006	8:37	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/25/2006	8:37	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/25/2006	8:37	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.35
<b>Broadkill River</b>							
BR01: Broadkill river @ PEL dock.							
	7/26/2006	10:05	Net	<i>"Gymnodinioid" sp.</i>	25-40 um Grn	Present	
	7/26/2006	10:05	Net	<i>Dinophysis acuminata (T)</i>		Present	
	7/26/2006	10:05	Net	<i>Ditylum spp. (T)</i>		Present	
	7/26/2006	10:05	Net	<i>Fibrocapsa japonica (T)</i>		Present	
	7/26/2006	10:05	Net	<i>Heterocapsa rotundata (B)</i>		Present	
	7/26/2006	10:05	Net	<i>Prorocentrum sp. (T)</i>		Present	
	7/26/2006	10:05	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	7/26/2006	10:05	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/26/2006	10:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.13
	7/26/2006	10:05	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/26/2006	10:05	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<u>Old Mill Creek</u>							
BR21: Old Mill Creek downstream from Red Mill Pond							
	7/26/2006	12:35	Surfc	<i>Chaetoceros spp. (T)</i>		Common	0.21
	7/26/2006	12:35	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
<b>Delaware Bay</b>							
<u>Canary Creek</u>							
BR19: Canary Creek at New Road							
	7/26/2006	9:38	Surfc	<i>Chaetoceros spp. (T)</i>		Common	0.64
	7/26/2006	9:38	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
BR40: Canary Creek at Pilottown Rd							
	7/26/2006	8:50	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	7/26/2006	8:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.11
	7/26/2006	8:50	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/26/2006	8:50	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<b>Indian River</b>							
IR04: Warwick Cove							
	7/24/2006	9:26	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/24/2006	9:26	Surfc	<i>Karlodinium venificum (T)</i>		Present	
IR07: Holt's Landing State Park							
	7/26/2006	8:44	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/26/2006	8:44	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/26/2006	8:44	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	

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<b>Indian River</b>							
IR11: Big Ditch Point	7/24/2006	7:30	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
IR20: Bay Colony	7/24/2006	8:25	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	7/24/2006	8:25	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/24/2006	8:25	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
IR21: Entrance to Boat House Pond, Indian River Bay	7/24/2006	7:15	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore	7/25/2006	8:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/25/2006	8:10	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/25/2006	8:10	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.69
<u>Vines Creek</u>							
IR38: Vines Lane	7/27/2006	12:30	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/27/2006	12:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.29
	7/27/2006	12:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/27/2006	12:30	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/27/2006	12:30	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/27/2006	12:30	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/27/2006	12:30	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
<u>White Creek</u>							
IR23: Bethany Marina	7/25/2006	7:45	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/25/2006	7:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/25/2006	7:45	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/25/2006	7:45	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/25/2006	7:45	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
IR32: Holly Terrace Acres Canal Dead End, White Creek	7/17/2006	9:55	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/17/2006	9:55	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.29
	7/17/2006	9:55	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/17/2006	9:55	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/17/2006	9:55	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/17/2006	9:55	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	7/24/2006	9:12	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.24
	7/24/2006	9:12	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.12
	7/24/2006	9:12	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/24/2006	9:12	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/24/2006	9:12	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/24/2006	9:12	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/24/2006	9:12	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.17
	7/27/2006	8:38	Surfc	<i>(Unknown) sp. (B*)</i>	10-15 um Grn trdrp	Abundant	19.10

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<b>Indian River</b>							
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	7/27/2006	8:38	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.15
	7/27/2006	8:38	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.24
	7/27/2006	8:38	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.88
	7/27/2006	8:38	Surfc	<i>Heterocapsa rotundata (B)</i>		Many	1.83
	7/27/2006	8:38	Surfc	<i>Karlodinium venificum (T)</i>		Many	7.33
	7/27/2006	8:38	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.14
	7/27/2006	8:38	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	7/27/2006	8:38	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.81
	7/27/2006	8:38	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
IR60A: 4 Cristy Lane, Ocean View; E Branch of White Creek							
	7/26/2006	8:26	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/26/2006	8:26	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.86
	7/26/2006	8:26	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.46
	7/26/2006	8:26	Surfc	<i>Microcystis (T)</i>		Present	
	7/26/2006	8:26	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.70
<b>Lewes - Rehoboth Canal</b>							
RB02: Lewes - Rehoboth Canal at Lewes							
	7/24/2006	8:40	Net	<i>Heterocapsa rotundata (B)</i>		Present	
	7/24/2006	8:40	Net	<i>Karlodinium venificum (T)</i>		Present	
	7/24/2006	8:40	Net	<i>Prorocentrum sp. (T)</i>		Present	
	7/24/2006	8:40	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	7/24/2006	8:40	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/24/2006	8:40	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
<b>Little Assawoman Bay</b>							
LA15B: Red channel marker #12							
	7/17/2006	7:48	Surfc	<i>Karlodinium venificum (T)</i>		Present	
LA35B: Red Channel marker #28, across from Miller Creek							
	7/17/2006	7:37	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/17/2006	7:37	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/17/2006	7:37	Surfc	<i>Karlodinium venificum (T)</i>		Present	
LA42B: Narrows, South of state beach at point							
	7/17/2006	7:41	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/17/2006	7:41	Surfc	<i>Karlodinium venificum (T)</i>		Present	
LA45: Fenwick Island Bayside							
	7/25/2006	8:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/25/2006	8:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/25/2006	8:05	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/25/2006	8:05	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	7/24/2006	8:37	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.11

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<b>Little Assawoman Bay</b>							
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	7/24/2006	8:37	Surfc	<i>Karlodinium venificum</i> (T)		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	7/24/2006	9:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Many	3.30
	7/24/2006	9:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Many	5.50
	7/24/2006	9:30	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/24/2006	9:30	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Many	2.20
	7/24/2006	9:30	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Many	4.95
	7/24/2006	9:30	Surfc	<i>Various centric spp.</i> (B*)		Abundant	44.00
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	7/25/2006	8:48	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/25/2006	8:48	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/25/2006	8:48	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/25/2006	8:48	Surfc	<i>Karlodinium venificum</i> (T)		Present	
LA22B: Dirickson Creek upper section between Williams Creek and the LA09, mid channel near duck blind.							
	7/17/2006	7:58	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/17/2006	7:58	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/17/2006	7:58	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/17/2006	7:58	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Jefferson Creek</u>							
SB10E: SB: Russell Canal east dead end							
	7/17/2006	8:49	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	7/17/2006	8:49	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.81
	7/17/2006	8:49	Surfc	<i>Fibrocapsa japonica</i> (T)		Common	0.19
	7/17/2006	8:49	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/17/2006	8:49	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/17/2006	8:49	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.10
	7/24/2006	8:30	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.90
	7/24/2006	8:30	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	7/24/2006	8:30	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	7/24/2006	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/24/2006	8:30	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/27/2006	8:15	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Abundant	20.70
	7/27/2006	8:15	Surfc	<i>Fibrocapsa japonica</i> (T)		Many	1.98
	7/27/2006	8:15	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/27/2006	8:15	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/27/2006	8:15	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.22
	7/27/2006	8:15	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
SB10W: SB: Russell Canal west dead end							
	7/17/2006	8:40	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/17/2006	8:40	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	7/17/2006	8:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	

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<b>Little Assawoman Bay</b>							
<u>Jefferson Creek</u>							
SB10W: SB: Russell Canal west dead end							
	7/17/2006	8:40	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/17/2006	8:40	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.13
	7/24/2006	8:55	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.14
	7/27/2006	8:21	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Abundant	24.00
	7/27/2006	8:21	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/27/2006	8:21	Surfc	<i>Fibrocapsa japonica (T)</i>		Common	0.16
	7/27/2006	8:21	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/27/2006	8:21	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/27/2006	8:21	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
<u>Miller Creek</u>							
LA33B: Camp Barnes dock - by boat							
	7/17/2006	7:29	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/17/2006	7:29	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.22
	7/17/2006	7:29	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.14
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	7/24/2006	9:14	Surfc	<i>(Unknown) sp. (B*)</i>	10-15 um Grn trdrp	Abundant	41.80
	7/24/2006	9:14	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/24/2006	9:14	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/24/2006	9:14	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.10
	7/24/2006	9:14	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/24/2006	9:14	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Abundant	55.00
	7/24/2006	9:14	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Abundant	15.40
<b>Rehoboth Bay</b>							
ML: Massey's Landing							
	7/24/2006	11:55	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/24/2006	11:55	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
RB07: West Bay Park							
	7/25/2006	8:30	Surfc	<i>Chaetoceros spp. (T)</i>		Common	0.15
	7/25/2006	8:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.13
	7/25/2006	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/25/2006	8:30	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/25/2006	8:30	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
<u>Arnell Creek</u>							
AC2S: DNREC Site, Arnell Creek, surface sample							
	7/20/2006	12:05	Surfc	<i>"Gymnodinioid" sp.</i>	10-15 um Grn	Present	
	7/20/2006	12:05	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/20/2006	12:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/20/2006	12:05	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	7/20/2006	12:05	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.19

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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>Arnell Creek</u>							
AC2S: DNREC Site, Arnell Creek, surface sample							
	7/20/2006	12:05	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/20/2006	12:05	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/20/2006	12:05	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	7/20/2006	12:05	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	7/20/2006	12:05	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	7/28/2006	11:20	Surfc	<i>Chaetoceros</i> spp. (T)		Common	0.49
	7/28/2006	11:20	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.10
	7/28/2006	11:20	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	7/28/2006	11:20	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
<u>Bald Eagle Creek</u>							
RB46: Torquay Canal at East bulkhead on Land's End.							
	7/20/2006	13:45	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.13
	7/20/2006	13:45	Surfc	<i>Chattonella subsalsa</i> (T)		Many	1.38
	7/20/2006	13:45	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/20/2006	13:45	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.13
	7/20/2006	13:45	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
	7/27/2006	13:35	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.19
	7/27/2006	13:35	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.16
	7/27/2006	13:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/27/2006	13:35	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
RB46B: Torquay Canal by boat; UD Site 2							
	7/20/2006	11:00	0.2 m	<i>Chaetoceros</i> spp. (T)		Present	
	7/20/2006	11:00	0.2 m	<i>Chattonella cf. verruculosa</i> (T)		Common	0.14
	7/20/2006	11:00	0.2 m	<i>Chattonella subsalsa</i> (T)		Abundant	12.32
	7/20/2006	11:00	0.2 m	<i>Heterocapsa rotundata</i> (B)		Present	
	7/20/2006	11:00	0.2 m	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/20/2006	11:00	0.2 m	<i>Karlodinium venificum</i> (T)		Common	0.15
RB47B: Bald Eagle Creek - by boat; UD Site 9							
	7/20/2006	12:00	0.2 m	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/20/2006	12:00	0.2 m	<i>Chattonella subsalsa</i> (T)		Many	1.44
	7/20/2006	12:00	0.2 m	<i>Heterocapsa rotundata</i> (B)		Present	
	7/20/2006	12:00	0.2 m	<i>Prorocentrum gracile</i> (B)		Present	
	7/20/2006	12:00	0.2 m	<i>Scrippsiella</i> sp. (B)		Present	
RB65B: Torquay Canal, UD Site 5							
	7/20/2006	11:30	0.2 m	<i>Akashiwo sanguineum</i> (B)		Present	
	7/20/2006	11:30	0.2 m	<i>Chattonella cf. verruculosa</i> (T)		Common	0.29
	7/20/2006	11:30	0.2 m	<i>Chattonella subsalsa</i> (T)		Many	8.14
	7/20/2006	11:30	0.2 m	<i>Gyrodinium instriatum</i> (B)		Present	
	7/20/2006	11:30	0.2 m	<i>Heterocapsa rotundata</i> (B)		Present	
	7/20/2006	11:30	0.2 m	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/20/2006	11:30	0.2 m	<i>Karlodinium venificum</i> (T)		Common	0.11

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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>Bald Eagle Creek</u>							
RB65B: Torquay Canal, UD Site 5							
	7/20/2006	11:30	0.2 m	<i>Scrippsiella sp. (B)</i>		Present	
RB69: Torquay Canal DNREC site. TC1							
	7/20/2006	13:00	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/20/2006	13:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/20/2006	13:00	Surfc	<i>Chattonella subsalsa (T)</i>		Many	1.70
	7/20/2006	13:00	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/20/2006	13:00	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/20/2006	13:00	Surfc	<i>Leptocylindrus spp. (B*)</i>		Abundant	17.60
	7/28/2006	11:50	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	7/28/2006	11:50	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/28/2006	11:50	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.17
	7/28/2006	11:50	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	7/24/2006	12:23	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	7/24/2006	12:23	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/24/2006	12:23	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/24/2006	12:23	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/24/2006	12:23	Surfc	<i>Navicula (small) (B*)</i>		Abundant	30.80
RB06: Guinea Creek (Winding Creek Village)							
	7/24/2006	9:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.28
	7/24/2006	9:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/24/2006	9:00	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.13
	7/24/2006	9:00	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/24/2006	9:00	Surfc	<i>Navicula (small) (B*)</i>		Abundant	44.00
	7/24/2006	9:00	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
RB06A: Guinea Creek @ Rd 298 Bridge							
	7/24/2006	13:06	Surfc	<i>(Unknown) sp. (B*)</i>	10-15 um Grn trdrp	Very Abundant	110.00
	7/24/2006	13:06	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/24/2006	13:06	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.14
	7/24/2006	13:06	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.21
	7/24/2006	13:06	Surfc	<i>Navicula (small) (B*)</i>		Abundant	15.00
RB60: Community Dock at Creek's End							
	7/24/2006	10:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/24/2006	10:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.26
	7/24/2006	10:00	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/24/2006	10:00	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/24/2006	10:00	Surfc	<i>Navicula (small) (B*)</i>		Abundant	25.50
	7/24/2006	10:00	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							

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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>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	7/25/2006	11:00	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/25/2006	11:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/25/2006	11:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/25/2006	11:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.11
	7/25/2006	11:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/25/2006	11:00	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.17
	7/25/2006	11:00	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/25/2006	11:00	Surfc	<i>Navicula (small) (B*)</i>		Abundant	17.60
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	7/17/2006	10:35	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/17/2006	10:35	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.15
	7/17/2006	10:35	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/17/2006	10:35	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/17/2006	10:35	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/17/2006	10:35	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/17/2006	10:35	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/24/2006	10:10	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/24/2006	10:10	Surfc	<i>Cylindrotheca closterium (B*)</i>		Abundant	12.80
	7/24/2006	10:10	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.16
	7/24/2006	10:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/24/2006	10:10	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.13
	7/24/2006	10:10	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/24/2006	10:10	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/27/2006	9:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/27/2006	9:20	Surfc	<i>Cylindrotheca closterium (B*)</i>		Abundant	31.20
	7/27/2006	9:20	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.20
	7/27/2006	9:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/27/2006	9:20	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/27/2006	9:20	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/27/2006	9:20	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/27/2006	9:20	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
RLC2S: DNREC site, upper Love Creek							
	7/20/2006	11:45	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/20/2006	11:45	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/20/2006	11:45	Surfc	<i>Heterosigma akashiwo. (T)</i>		Common	0.68
	7/20/2006	11:45	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/20/2006	11:45	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	7/28/2006	10:45	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.16
	7/28/2006	10:45	Surfc	<i>Cylindrotheca closterium (B*)</i>		Abundant	22.20
	7/28/2006	10:45	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.43

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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>							
RLC2S: DNREC site, upper Love Creek							
	7/28/2006	10:45	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/28/2006	10:45	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.11
	7/28/2006	10:45	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**