

Harmful Algae Report

All data between 7/29/2006 and 8/11/2006

Citizen Monitor Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Assawoman Bay							
<u>Roy Creek</u>							
BA01: Keenwick on Bay, Roy Creek							
	8/8/2006	9:33	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/8/2006	9:33	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	8/8/2006	9:33	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.61
	8/8/2006	9:33	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/8/2006	9:33	Surfc	<i>Karlodinium venificum (T)</i>		Present	
Assawoman Canal							
IR50: Assawoman Canal at N end, marina dock							
	8/8/2006	8:38	Surfc	<i>Akashiwo sanguineum (B)</i>		Common	0.25
	8/8/2006	8:38	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/8/2006	8:38	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/8/2006	8:38	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
LA10: Assawoman Canal @ Kent Ave Bridge							
	7/31/2006	8:05	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	7/31/2006	8:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/31/2006	8:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/31/2006	8:05	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	7/31/2006	8:05	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/31/2006	8:05	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	8/7/2006	8:10	Surfc	<i>Akashiwo sanguineum (B)</i>		Common	0.10
	8/7/2006	8:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.21
	8/7/2006	8:10	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/7/2006	8:10	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/7/2006	8:10	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	8/8/2006	8:14	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.39
	8/8/2006	8:14	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	8/8/2006	8:14	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	8/8/2006	8:14	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/8/2006	8:14	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.15
	8/8/2006	8:14	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Many	4.62
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	8/8/2006	8:23	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/8/2006	8:23	Surfc	<i>Fibrocapsa japonica (T)</i>		Common	0.19
	8/8/2006	8:23	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	8/8/2006	8:23	Surfc	<i>Heterocapsa rotundata (B)</i>		Many	4.40

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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
Assawoman Canal							
<u>Bethany Loop Canal</u>							
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	8/8/2006	8:23	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/8/2006	8:23	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/8/2006	8:23	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
Broadkill River							
BR01: Broadkill river @ PEL dock.							
	8/9/2006	9:10	Net	<i>Chaetoceros spp. (T)</i>		Present	
	8/9/2006	9:10	Net	<i>Ditylum spp. (T)</i>		Present	
	8/9/2006	9:10	Net	<i>Rhizosolenia spp. (T)</i>		Present	
	8/9/2006	9:10	Net	<i>Scrippsiella sp. (B)</i>		Present	
	8/9/2006	9:10	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	8/9/2006	9:10	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	8/9/2006	9:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/9/2006	9:10	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/9/2006	9:10	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
BR20: Broadkill River at Milton tidal pond							
	8/9/2006	11:07	Surfc	<i>Gonyostomum depressa (B)</i>		Present	
<u>Old Mill Creek</u>							
BR21: Old Mill Creek downstream from Red Mill Pond							
	8/9/2006	12:15	Surfc	<i>Chaetoceros spp. (T)</i>		Many	1.58
	8/9/2006	12:15	Surfc	<i>Cylindrospermopsis? (T)</i>		Common	0.19
Delaware Bay							
DB01W: Wading sample base of Cape Shores pier.							
	8/1/2006	15:40	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	8/1/2006	15:40	Surfc	<i>Ditylum spp. (T)</i>		Present	
	8/1/2006	15:40	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<u>Canary Creek</u>							
BR19: Canary Creek at New Road							
	8/9/2006	8:45	Surfc	<i>Chaetoceros spp. (T)</i>		Many	2.30
	8/9/2006	8:45	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
BR40: Canary Creek at Pilottown Rd							
	8/9/2006	9:00	Surfc	<i>Ditylum spp. (T)</i>		Present	
	8/9/2006	9:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
Indian River							
IR04: Warwick Cove							
	8/7/2006	10:44	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.69
	8/7/2006	10:44	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/7/2006	10:44	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/7/2006	10:44	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
IR07: Holt's Landing State Park							
	8/8/2006	9:08	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	8/8/2006	9:08	Surfc	<i>Chaetoceros spp. (T)</i>		Present	

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Citizen Monitoring Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Indian River							
IR07: Holt's Landing State Park							
	8/8/2006	9:08	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.36
	8/8/2006	9:08	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/8/2006	9:08	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/8/2006	9:08	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/8/2006	9:08	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
IR11: Big Ditch Point							
	8/7/2006	7:45	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	8/7/2006	7:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/7/2006	7:45	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/7/2006	7:45	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/7/2006	7:45	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	8/7/2006	7:45	Surfc	<i>Protoberidinium quinquecorne (B)</i>		Present	
IR20: Bay Colony							
	8/8/2006	8:15	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	8/8/2006	8:15	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	8/8/2006	8:15	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	5.50
	8/8/2006	8:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/8/2006	8:15	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/8/2006	8:15	Surfc	<i>Navicula (small) (B*)</i>		Abundant	19.80
	8/8/2006	8:15	Surfc	<i>Various centric spp. (B*)</i>		Abundant	30.80
	8/10/2006	8:30	Surfc	<i>Akashiwo sanguineum (B)</i>		Common	0.10
	8/10/2006	8:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.76
	8/10/2006	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/10/2006	8:30	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/10/2006	8:30	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
IR21: Entrance to Boat House Pond, Indian River Bay							
	8/7/2006	7:45	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	8/7/2006	7:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/7/2006	7:45	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/7/2006	7:45	Surfc	<i>Protoberidinium quinquecorne (B)</i>		Present	
IR36B: James Farm, Pasture Point							
	8/8/2006	7:45	Surfc	<i>Akashiwo sanguineum (B)</i>		Common	0.15
	8/8/2006	7:45	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/8/2006	7:45	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	8/8/2006	7:45	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
IR65: Inner part of lagoon at Bay Colony							
	8/10/2006	8:45	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	8/10/2006	8:45	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.66
	8/10/2006	8:45	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/10/2006	8:45	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/10/2006	8:45	Surfc	<i>Scrippsiella sp. (B)</i>		Present	

Pepper Creek

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Citizen Monitoring Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Indian River							
<u>Pepper Creek</u>							
IR35: Pepper Creek at Rd 330.							
	8/10/2006	9:17	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.69
	8/10/2006	9:17	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/10/2006	9:17	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/10/2006	9:17	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	8/10/2006	9:17	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/10/2006	9:17	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
<u>Vines Creek</u>							
IR38: Vines Lane							
	8/8/2006	8:05	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	8/8/2006	8:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Abundant	33.20
	8/8/2006	8:05	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/8/2006	8:05	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	8/10/2006	12:30	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	8/10/2006	12:30	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.64
	8/10/2006	12:30	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	8/10/2006	12:30	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/10/2006	12:30	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
<u>White Creek</u>							
IR23: Bethany Marina							
	8/8/2006	8:15	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	8/8/2006	8:15	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	8/8/2006	8:15	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/8/2006	8:15	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/8/2006	8:15	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	8/8/2006	8:15	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	8/8/2006	8:15	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	7/31/2006	9:30	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	7/31/2006	9:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/31/2006	9:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/31/2006	9:30	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	7/31/2006	9:30	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.13
	7/31/2006	9:30	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	7/31/2006	9:30	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	7/31/2006	9:30	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	7/31/2006	9:30	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
	8/3/2006	8:53	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	8/3/2006	8:53	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/3/2006	8:53	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.11
	8/7/2006	9:17	Surfc	" <i>Gymnodinioid</i> " sp.	25-40 um Grn	Present	
	8/7/2006	9:17	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	

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Citizen Monitoring Program

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Indian River							
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	8/7/2006	9:17	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.32
	8/7/2006	9:17	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.26
	8/7/2006	9:17	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.17
	8/7/2006	9:17	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	8/7/2006	9:17	Surfc	<i>Scrippsiella sp.</i> (B)		Common	0.15
	8/10/2006	8:38	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.25
	8/10/2006	8:38	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/10/2006	8:38	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	8/10/2006	8:38	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.13
	8/10/2006	8:38	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	8/10/2006	8:38	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.10
	8/10/2006	8:38	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
IR60A: 4 Cristy Lane, Ocean View; E Branch of White Creek							
	8/8/2006	8:50	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	8/8/2006	8:50	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/8/2006	8:50	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/8/2006	8:50	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/8/2006	8:50	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.30
Lewes - Rehoboth Canal							
RB02: Lewes - Rehoboth Canal at Lewes							
	7/31/2006	8:10	Net	<i>Chaetoceros spp.</i> (T)		Present	
	7/31/2006	8:10	Net	<i>Prorocentrum sp.</i> (T)		Present	
	7/31/2006	8:10	Net	<i>Scrippsiella sp.</i> (B)		Present	
	7/31/2006	8:10	Surfc	"Gymnodinioid" sp.	25-40 um Grn	Present	
	7/31/2006	8:10	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	7/31/2006	8:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/7/2006	8:30	Net	<i>Chaetoceros spp.</i> (T)		Present	
	8/7/2006	8:30	Net	<i>Karlodinium venificum</i> (T)		Present	
	8/7/2006	8:30	Net	<i>Rhizolenia spp.</i> (T)		Present	
	8/7/2006	8:30	Net	<i>Scrippsiella sp.</i> (B)		Present	
	8/7/2006	8:30	Surfc	<i>Karlodinium venificum</i> (T)		Present	
Little Assawoman Bay							
LA15B: Red channel marker #12							
	7/31/2006	7:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/31/2006	7:35	Surfc	<i>Karlodinium venificum</i> (T)		Present	
LA35B: Red Channel marker #28, across from Miller Creek							
	7/31/2006	7:23	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/31/2006	7:23	Surfc	<i>Karlodinium venificum</i> (T)		Present	
LA42B: Narrows, South of state beach at point							
	7/31/2006	7:28	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/31/2006	7:28	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	

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Little Assawoman Bay							
LA42B: Narrows, South of state beach at point							
	7/31/2006	7:28	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/31/2006	7:28	Surfc	<i>Karlodinium venificum</i> (T)		Present	
LA45: Fenwick Island Bayside							
	8/8/2006	8:00	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.15
	8/8/2006	8:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.10
	8/8/2006	8:00	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	8/7/2006	8:42	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	8/7/2006	8:42	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.21
	8/7/2006	8:42	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	8/7/2006	8:42	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.24
	8/7/2006	8:42	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	8/1/2006	8:35	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	8/1/2006	8:35	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	8/1/2006	8:35	Surfc	<i>Gyrodinium striatum</i> (B)		Common	0.15
	8/1/2006	8:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/1/2006	8:35	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	8/1/2006	8:35	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.28
	8/1/2006	8:35	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Common	0.19
	8/1/2006	8:35	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	8/7/2006	9:28	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.11
	8/7/2006	9:28	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.90
	8/7/2006	9:28	Surfc	<i>Heterocapsa rotundata</i> (B)		Abundant	15.40
	8/7/2006	9:28	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.20
	8/7/2006	9:28	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Many	6.60
	8/7/2006	9:28	Surfc	<i>Navicula (small)</i> (B*)		Abundant	12.10
	8/7/2006	9:28	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	8/7/2006	9:28	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	8/1/2006	8:44	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	8/1/2006	8:44	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/1/2006	8:44	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/1/2006	8:44	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	8/8/2006	9:18	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.13
	8/8/2006	9:18	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.10
	8/8/2006	9:18	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.24
LA22B: Dirickson Creek upper section between Williams Creek and the LA09, mid channel near duck blind.							
	7/31/2006	7:47	Surfc	<i>Gyrodinium striatum</i> (B)		Present	
	7/31/2006	7:47	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/31/2006	7:47	Surfc	<i>Heterosigma akashiwo</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

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
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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.

7/31/2006	7:47	Surfc		<i>Karlodinium venificum</i> (T)		Common	0.21
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Jefferson Creek

SB10E: SB: Russell Canal east dead end

7/31/2006	8:55	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Many	6.60
7/31/2006	8:55	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.15
7/31/2006	8:55	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
7/31/2006	8:55	Surfc		<i>Karlodinium venificum</i> (T)		Common	0.15
7/31/2006	8:55	Surfc		<i>Kryptoperidinium foliaceum</i> (B)		Present	
7/31/2006	9:00	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Abundant	70.70
7/31/2006	9:00	Surfc		<i>Chattonella subsalsa</i> (T)		Present	
7/31/2006	9:00	Surfc		<i>Fibrocapsa japonica</i> (T)		Many	5.87
7/31/2006	9:00	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
7/31/2006	9:00	Surfc		<i>Karlodinium venificum</i> (T)		Many	1.10
7/31/2006	9:00	Surfc		<i>Scrippsiella sp.</i> (B)		Present	
8/3/2006	8:30	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Common	0.25
8/3/2006	8:30	Surfc		<i>Chattonella subsalsa</i> (T)		Present	
8/3/2006	8:30	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.19
8/3/2006	8:30	Surfc		<i>Karlodinium venificum</i> (T)		Present	
8/3/2006	8:30	Surfc		<i>Kryptoperidinium foliaceum</i> (B)		Present	
8/7/2006	8:45	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Present	
8/7/2006	8:45	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.10
8/7/2006	8:45	Surfc		<i>Karlodinium venificum</i> (T)		Present	
8/10/2006	8:08	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Present	
8/10/2006	8:08	Surfc		<i>Chattonella subsalsa</i> (T)		Present	
8/10/2006	8:08	Surfc		<i>Kryptoperidinium foliaceum</i> (B)		Common	0.35

SB10W: SB: Russell Canal west dead end

7/31/2006	9:10	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Many	1.14
7/31/2006	9:10	Surfc		<i>Chattonella subsalsa</i> (T)		Present	
7/31/2006	9:10	Surfc		<i>Fibrocapsa japonica</i> (T)		Present	
7/31/2006	9:10	Surfc		<i>Gyrodinium instriatum</i> (B)		Present	
7/31/2006	9:10	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
7/31/2006	9:10	Surfc		<i>Kryptoperidinium foliaceum</i> (B)		Present	
8/3/2006	8:35	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Common	0.19
8/3/2006	8:35	Surfc		<i>Chattonella subsalsa</i> (T)		Present	
8/3/2006	8:35	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.16
8/3/2006	8:35	Surfc		<i>Heterocapsa rotundata</i> (B)		Present	
8/3/2006	8:35	Surfc		<i>Karlodinium venificum</i> (T)		Present	
8/3/2006	8:35	Surfc		<i>Prorocentrum gracile</i> (B)		Present	
8/7/2006	8:58	Surfc		<i>Chattonella cf. verruculosa</i> (T)		Present	
8/7/2006	8:58	Surfc		<i>Chattonella subsalsa</i> (T)		Present	
8/7/2006	8:58	Surfc		<i>Fibrocapsa japonica</i> (T)		Common	0.20

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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
Little Assawoman Bay							
<u>Jefferson Creek</u>							
SB10W: SB: Russell Canal west dead end							
	8/7/2006	8:58	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/7/2006	8:58	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	8/10/2006	8:19	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.17
	8/10/2006	8:19	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	8/10/2006	8:19	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	8/10/2006	8:19	Surfc	<i>Oscillatoria spp.</i> (B)		Many	6.50
<u>Miller Creek</u>							
LA31: Double Bridges road bridge at Plantation Park							
	8/8/2006	8:00	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	8/8/2006	8:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/8/2006	8:00	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/8/2006	8:00	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Abundant	15.80
LA33B: Camp Barnes dock - by boat							
	7/31/2006	7:15	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	7/31/2006	7:15	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/31/2006	7:15	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.11
	7/31/2006	7:15	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	7/31/2006	7:15	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	8/1/2006	8:20	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.21
	8/1/2006	8:20	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	8/1/2006	8:20	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/1/2006	8:20	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/1/2006	8:20	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	8/1/2006	8:20	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.20
	8/1/2006	8:20	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Many	8.60
	8/1/2006	8:20	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Many	1.80
	8/2/2006	8:10	Surfc	<i>(Unknown) sp.</i> (B*)	10-15 um Grn trdrp	Abundant	16.50
	8/2/2006	8:10	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	1.98
	8/2/2006	8:10	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.10
	8/2/2006	8:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/2/2006	8:10	Surfc	<i>Heterosigma akashiwo.</i> (T)		Common	0.18
	8/2/2006	8:10	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/2/2006	8:10	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Abundant	17.05
	8/2/2006	8:10	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Common	0.88
	8/7/2006	9:15	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.29
	8/7/2006	9:15	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	8/7/2006	9:15	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/7/2006	9:15	Surfc	<i>Heterosigma akashiwo.</i> (T)		Present	
	8/7/2006	9:15	Surfc	<i>Karlodinium venificum</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

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Little Assawoman Bay							
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	8/7/2006	9:15	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Common	0.63
	8/7/2006	9:15	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.28
Rehoboth Bay							
ML: Massey's Landing							
	8/7/2006	11:52	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	8/7/2006	11:52	Surfc	<i>Cochlodinium</i> sp. (T)		Present	
	8/7/2006	11:52	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/7/2006	11:52	Surfc	<i>Karlodinium venificum</i> (T)		Present	
RB07: West Bay Park							
	8/8/2006	8:30	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	8/8/2006	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.10
	8/8/2006	8:30	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/8/2006	8:30	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
<u>Arnell Creek</u>							
AC2S: DNREC Site, Arnell Creek, surface sample							
	8/3/2006	13:25	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	8/3/2006	13:25	Surfc	<i>Chaetoceros</i> spp. (T)		Present	
	8/3/2006	13:25	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.80
	8/3/2006	13:25	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/3/2006	13:25	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/3/2006	13:25	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	8/3/2006	13:25	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/3/2006	13:25	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	8/3/2006	13:25	Surfc	<i>Oscillatoria</i> spp. (B)		Many	1.88
	8/3/2006	13:25	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.26
	8/3/2006	13:25	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
	8/10/2006	13:05	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	8/10/2006	13:05	Surfc	<i>Chaetoceros</i> spp. (T)		Present	
	8/10/2006	13:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.21
	8/10/2006	13:05	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	8/10/2006	13:05	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/10/2006	13:05	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/10/2006	13:05	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.11
<u>Bald Eagle Creek</u>							
RB69: Torquay Canal DNREC site. TC1							
	8/3/2006	13:55	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	8/3/2006	13:55	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	8/3/2006	13:55	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/3/2006	13:55	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	8/3/2006	13:55	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
	8/10/2006	13:40	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	

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Citizen Monitoring Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Rehoboth Bay							
<u>Bald Eagle Creek</u>							
RB69: Torquay Canal DNREC site. TC1							
	8/10/2006	13:40	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.20
	8/10/2006	13:40	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/10/2006	13:40	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.11
	8/10/2006	13:40	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	8/10/2006	13:40	Surfc	<i>Scrippsiella sp. (B)</i>		Common	0.16
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	8/7/2006	12:18	Surfc	<i>Akashiwo sanguineum (B)</i>		Common	0.19
	8/7/2006	12:18	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/7/2006	12:18	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/7/2006	12:18	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/7/2006	12:18	Surfc	<i>Navicula (small) (B*)</i>		Abundant	67.10
	8/7/2006	12:18	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
RB06: Guinea Creek (Winding Creek Village)							
	8/7/2006	8:30	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	8/7/2006	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.11
	8/7/2006	8:30	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/7/2006	8:30	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.20
	8/7/2006	8:30	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	8/7/2006	8:30	Surfc	<i>Navicula (small) (B*)</i>		Abundant	23.80
	8/7/2006	8:30	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
RB06A: Guinea Creek @ Rd 298 Bridge							
	8/7/2006	12:52	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.49
	8/7/2006	12:52	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/7/2006	12:52	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/7/2006	12:52	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.20
	8/7/2006	12:52	Surfc	<i>Navicula (small) (B*)</i>		Abundant	34.10
RB60: Community Dock at Creek's End							
	8/7/2006	10:41	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/7/2006	10:41	Surfc	<i>Heterocapsa rotundata (B)</i>		Many	7.50
	8/7/2006	10:41	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/7/2006	10:41	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.28
	8/7/2006	10:41	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	8/7/2006	10:41	Surfc	<i>Navicula (small) (B*)</i>		Very Abundant	170.00
	8/7/2006	10:41	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	8/8/2006	11:25	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	8/8/2006	11:25	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.13
	8/8/2006	11:25	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.19
	8/8/2006	11:25	Surfc	<i>Navicula (small) (B*)</i>		Abundant	31.90

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Citizen Monitoring Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Rehoboth Bay							
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	8/8/2006	11:25	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	8/8/2006	11:25	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	7/31/2006	9:09	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.66
	7/31/2006	9:09	Surfc	<i>Cylindrotheca closterium (B*)</i>		Abundant	12.70
	7/31/2006	9:09	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.45
	7/31/2006	9:09	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/31/2006	9:09	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	7/31/2006	9:09	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/31/2006	9:09	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/31/2006	9:09	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	8/3/2006	9:35	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.36
	8/3/2006	9:35	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	8/3/2006	9:35	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/7/2006	9:57	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	8/7/2006	9:57	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.30
	8/7/2006	9:57	Surfc	<i>Cylindrotheca closterium (B*)</i>		Abundant	83.40
	8/7/2006	9:57	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.34
	8/7/2006	9:57	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/7/2006	9:57	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/7/2006	9:57	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	8/7/2006	9:57	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	8/10/2006	9:21	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/10/2006	9:21	Surfc	<i>Cylindrotheca closterium (B*)</i>		Very Abundant	104.00
	8/10/2006	9:21	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.61
	8/10/2006	9:21	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	8/10/2006	9:21	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
RLC2S: DNREC site, upper Love Creek							
	8/3/2006	12:55	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	8/3/2006	12:55	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	8.10
	8/3/2006	12:55	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	8/3/2006	12:55	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	8/3/2006	12:55	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	8/10/2006	12:25	Surfc	<i>Cylindrotheca closterium (B*)</i>		Abundant	44.90
	8/10/2006	12:25	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	8/10/2006	12:25	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/10/2006	12:25	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	8/10/2006	12:25	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	8/10/2006	12:25	Surfc	<i>Scrippsiella sp. (B)</i>		Present	

Name subscripts: (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