

Harmful Algae Report

All data between 5/26/2006 and 6/9/2006

Citizen Monitor Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MCL
Assawoman Bay							
<u>Roy Creek</u>							
BA01: Keenwick on Bay, Roy Creek							
	6/6/2006	9:15	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	6/6/2006	9:15	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.21
Assawoman Canal							
IR50: Assawoman Canal at N end, marina dock							
	6/6/2006	8:34	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/6/2006	8:34	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	6/6/2006	8:34	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.43
	6/6/2006	8:34	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	6/6/2006	8:34	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
LA10: Assawoman Canal @ Kent Ave Bridge							
	6/5/2006	8:10	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/5/2006	8:10	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	6/5/2006	8:10	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	6/6/2006	8:10	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/6/2006	8:10	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	6/6/2006	8:10	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Common	0.15
	6/6/2006	8:10	Surfc	<i>Proto-peridinium quinquecorne</i> (B)		Common	0.89
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.							
	6/6/2006	8:18	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
Broadkill River							
BR01: Broadkill river @ PEL dock.							
	6/7/2006	9:30	Net	<i>Chaetoceros spp.</i> (T)		Present	
	6/7/2006	9:30	Net	<i>Dinophysis acuminata</i> (T)		Present	
	6/7/2006	9:30	Net	<i>Karlodinium venificum</i> (T)		Present	
	6/7/2006	9:30	Net	<i>Prorocentrum micans</i> (B)		Present	
	6/7/2006	9:30	Net	<i>Prorocentrum sp.</i> (T)		Present	
	6/7/2006	9:30	Net	<i>Rhizosolenia spp.</i> (T)		Present	
Indian River							
IR04: Warwick Cove							
	6/6/2006	9:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/6/2006	9:45	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	6/6/2006	9:45	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
IR07: Holt's Landing State Park							
	6/6/2006	8:59	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/6/2006	8:59	Surfc	<i>Karlodinium venificum</i> (T)		Present	

Name subscripts: (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.

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Indian River							
IR07: Holt's Landing State Park	6/6/2006	8:59	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
IR11: Big Ditch Point	6/5/2006	9:00	Surfc	<i>Chaetoceros</i> spp. (T)		Present	
IR21: Entrance to Boat House Pond, Indian River Bay	6/5/2006	8:05	Surfc	<i>Chaetoceros</i> spp. (T)		Common	0.21
IR39: North side of Inlet at Wheelchair fishing platform under new bridge.	6/7/2006	8:40	Net	<i>Ceratium</i> sp. (T)		Present	
	6/7/2006	8:40	Net	<i>Chaetoceros</i> spp. (T)		Present	
	6/7/2006	8:40	Net	<i>Prorocentrum micans</i> (B)		Present	
	6/7/2006	8:40	Net	<i>Prorocentrum minimum</i> (T)		Present	
	6/7/2006	8:40	Net	<i>Prorocentrum</i> sp. (T)		Present	
	6/7/2006	8:40	Net	<i>Rhizosolenia</i> spp. (T)		Present	
	6/7/2006	8:40	Net	<i>Scrippsiella</i> sp. (B)		Present	
	6/7/2006	8:40	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	6/7/2006	8:40	Surfc	<i>Prorocentrum</i> sp. (T)		Present	
White Creek							
IR23: Bethany Marina	6/4/2006	9:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/4/2006	9:10	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.13
	6/4/2006	9:10	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Present	
IR32: Holly Terrace Acres Canal Dead End, White Creek	5/30/2006	9:25	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	5/30/2006	9:25	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/30/2006	9:25	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	5/30/2006	9:25	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	5/30/2006	9:25	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.17
	6/1/2006	8:32	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/1/2006	8:32	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.21
	6/1/2006	8:32	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	6/1/2006	8:32	Surfc	<i>Prorocentrum minimum</i> (T)		Common	0.26
	6/1/2006	8:32	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Present	
	6/1/2006	8:32	Surfc	<i>Scrippsiella</i> sp. (B)		Common	0.11
	6/5/2006	9:17	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/5/2006	9:17	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	6/5/2006	9:17	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.26
	6/5/2006	9:17	Surfc	<i>Prorocentrum gracile</i> (B)		Many	5.90
	6/5/2006	9:17	Surfc	<i>Prorocentrum minimum</i> (T)		Many	4.60
	6/5/2006	9:17	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Common	0.14
	6/5/2006	9:17	Surfc	<i>Scrippsiella</i> sp. (B)		Common	0.11
	6/8/2006	8:50	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/8/2006	8:50	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.41
	6/8/2006	8:50	Surfc	<i>Prorocentrum gracile</i> (B)		Many	4.80
	6/8/2006	8:50	Surfc	<i>Prorocentrum minimum</i> (T)		Abundant	13.00

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

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Indian River							
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	6/8/2006	8:50	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	6/8/2006	8:50	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
Lewes - Rehoboth Canal							
RB02: Lewes - Rehoboth Canal at Lewes							
	6/5/2006	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/5/2006	8:30	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
Little Assawoman Bay							
LA15B: Red channel marker #12							
	5/31/2006	7:57	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.11
	5/31/2006	7:57	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
LA35B: Red Channel marker #28, across from Miller Creek							
	5/31/2006	7:28	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.61
LA42B: Narrows, South of state beach at point							
	5/31/2006	7:40	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.13
LA45: Fenwick Island Bayside							
	6/6/2006	7:55	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.30
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	6/5/2006	8:50	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/5/2006	8:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/5/2006	8:50	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.31
	6/5/2006	8:50	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	6/5/2006	9:35	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.15
	6/5/2006	9:35	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/5/2006	9:35	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.28
	6/5/2006	9:35	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	6/5/2006	9:35	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.14
	6/5/2006	9:35	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	6/6/2006	9:00	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/6/2006	9:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	6/6/2006	9:00	Surfc	<i>Karlodinium venificum (T)</i>		Present	
<u>Jefferson Creek</u>							
SB10E: SB: Russell Canal east dead end							
	5/30/2006	9:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	5/30/2006	9:00	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.20
	6/1/2006	7:57	Surfc	<i>Karlodinium venificum (T)</i>		Present	
	6/5/2006	8:52	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	6/5/2006	8:52	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/5/2006	8:52	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	6/5/2006	8:52	Surfc	<i>Karlodinium venificum (T)</i>		Common	0.80

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Little Assawoman Bay							
<u>Jefferson Creek</u>							
SB10E: SB: Russell Canal east dead end							
	6/5/2006	8:52	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	6/5/2006	8:52	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Present	
	6/8/2006	8:27	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/8/2006	8:27	Surfc	<i>Karlodinium venificum</i> (T)		Present	
SB10W: SB: Russell Canal west dead end							
	5/30/2006	9:07	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	5/30/2006	9:07	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	5/30/2006	9:07	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.17
	6/1/2006	8:03	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/1/2006	8:03	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.13
	6/1/2006	8:03	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
	6/5/2006	8:58	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/5/2006	8:58	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	6/5/2006	8:58	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.22
	6/8/2006	8:33	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	6/8/2006	8:33	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.10
Rehoboth Bay							
ML: Massey's Landing							
	6/5/2006	11:15	Surfc	<i>Chaetoceros</i> spp. (T)		Common	0.15
RB07: West Bay Park							
	6/6/2006	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/6/2006	8:30	Surfc	<i>Karlodinium venificum</i> (T)		Present	
<u>Bald Eagle Creek</u>							
RB46: Torquay Canal at East bulkhead on Land's End.							
	6/6/2006	9:41	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/6/2006	9:41	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.59
<u>Guinea Creek</u>							
RB06: Guinea Creek (Winding Creek Village)							
	6/5/2006	7:30	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/5/2006	7:30	Surfc	<i>Chaetoceros</i> spp. (T)		Common	0.20
	6/5/2006	7:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	6/5/2006	7:30	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	6/5/2006	7:30	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	6/5/2006	7:30	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Present	
	6/5/2006	7:30	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
RB06A: Guinea Creek @ Rd 298 Bridge							
	6/5/2006	12:15	Surfc	<i>Karlodinium venificum</i> (T)		Present	
RB60: Community Dock at Creek's End							
	6/5/2006	8:45	Surfc	<i>Chaetoceros</i> spp. (T)		Common	0.40
	6/5/2006	8:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/5/2006	8:45	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.13

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Rehoboth Bay							
<u>Guinea Creek</u>							
RB60: Community Dock at Creek's End							
	6/5/2006	8:45	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	6/5/2006	8:45	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	6/6/2006	11:20	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	5/30/2006	8:55	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	5/30/2006	8:55	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.22
	5/30/2006	8:55	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	6/1/2006	8:35	Surfc	<i>Chaetoceros spp.</i> (T)		Common	0.29
	6/1/2006	8:35	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.29
	6/1/2006	8:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/1/2006	8:35	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.29
	6/1/2006	8:35	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	6/1/2006	8:35	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
	6/5/2006	9:55	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	6/5/2006	9:55	Surfc	<i>Heterosigma akashiwo</i> . (T)		Present	
	6/5/2006	9:55	Surfc	<i>Karlodinium venificum</i> (T)		Common	0.41
	6/5/2006	9:55	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	6/8/2006	9:25	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.22
	6/8/2006	9:25	Surfc	<i>Heterosigma akashiwo</i> . (T)		Common	0.10
	6/8/2006	9:25	Surfc	<i>Karlodinium venificum</i> (T)		Present	
	6/8/2006	9:25	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	6/8/2006	9:25	Surfc	<i>Prorocentrum minimum</i> (T)		Present	

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