

Harmful Algae Report

All data from 5/27/2004

Delaware Inland Bays 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	6/7/2004	9:10	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
BA02: Keenwick Sound, entrance to canal system	6/7/2004	9:25	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	0.44
	6/7/2004	9:25	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
Assawoman Canal							
IR50: Assawoman Canal at N end, marina dock	6/7/2004	9:21	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	6/7/2004	9:21	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
LA10: BB: Assawoman Canal @ Kent Ave Bridge	5/30/2004	7:53	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	5/30/2004	7:53	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	5/30/2004	7:53	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	5/30/2004	7:53	Surfc	<i>Dinophysis acuminata (T)</i>		Present	0.01
	6/7/2004	7:50	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach	6/7/2004	9:44	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.39
	6/7/2004	9:44	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	6/7/2004	9:44	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/7/2004	9:44	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.65
	6/7/2004	9:44	Surfc	<i>Heterosigma akashiwo. (T)</i>		Many	2.14
	6/7/2004	9:44	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Many	3.84
	6/7/2004	9:44	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Present	
IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd.	6/7/2004	9:34	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/7/2004	9:34	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	6/7/2004	9:34	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	6/7/2004	9:34	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Present	
Indian River							
IR04: Warwick Cove	6/7/2004	9:14	Surfc		No HABs found		
IR07: Holt's Landing State Park	6/7/2004	9:04	Surfc		No HABs found		
IR11: Big Ditch Point	6/7/2004	8:15	Surfc		No HABs found		
IR20: Bay Colony	6/7/2004	8:20	Surfc		No HABs found		
IR36B: James Farm, Pasture Point							

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Indian River							
IR36B: James Farm, Pasture Point							
	6/7/2004	8:00	Surfc		No HABs found		
<u>White Creek</u>							
IR23: Bethany Marina							
	6/7/2004	7:00	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
IR32: Holly Terrace Acres							
	6/7/2004	11:25	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Common	
	6/7/2004	11:25	Surfc	<i>Chattonella subsalsa (T)</i>		Common	
	6/7/2004	11:25	Surfc	<i>Prorocentrum minimum (T)</i>		Common	
	6/7/2004	11:25	Surfc	<i>Scrippsiella sp. (B)</i>		Common	
Lewes - Rehoboth Canal							
RB02: Lewes - Rehoboth Canal at Lewes							
	6/1/2004	8:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/1/2004	8:20	Surfc	<i>Chaetoceros sp. (T)</i>		Common	
	6/1/2004	8:20	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	6/8/2004	8:40	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
Little Assawoman Bay							
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	6/7/2004	8:20	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
LA09: Dirickson Creek at Road 381 bridge.							
	6/7/2004	9:40	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Many	6.60
	6/7/2004	9:40	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/7/2004	9:40	Surfc	<i>Gyrodinium uncatenum (B)</i>		Present	
	6/7/2004	9:40	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
	6/7/2004	9:40	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
	6/7/2004	9:40	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
LA20: Swann Keys: boat ramp at S end of Blue Teal Rd							
	5/31/2004	9:23	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	5/31/2004	9:23	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
	5/31/2004	9:23	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	5/31/2004	9:23	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
<u>Jefferson Creek</u>							
JC08B: SB, Jefferson Creek Basin between Assawoman canal extensions, access by boat only.							
	5/30/2004	14:05	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	5/30/2004	14:05	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	5/30/2004	14:05	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.14
	5/30/2004	14:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	5/30/2004	14:05	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
SB03B: Anchorage Canal at elbow							
	5/30/2004	14:18	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
SB10E: SB: Russell Canal east dead end							
	5/30/2004	8:27	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/7/2004	8:15	Surfc	<i>Chattonella subsalsa (T)</i>		Present	

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Little Assawoman Bay							
<u>Jefferson Creek</u>							
SB10W: SB: Russell Canal west dead end							
	5/30/2004	8:35	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	6/7/2004	8:22	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	6/7/2004	8:22	Surfc	Chattonella cf. verruculosa (T)		Present	
	6/7/2004	8:22	Surfc	Chattonella subsalsa (T)		Present	
	6/7/2004	8:22	Surfc	Heterocapsa rotundata (B)		Present	
<u>Miller Creek</u>							
LA31: Double Bridges road bridge at Plantation Park							
	5/31/2004	10:15	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	5/31/2004	10:15	Surfc	Gyrodinium instriatum (B)		Abundant	10.70
	5/31/2004	10:15	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
	5/31/2004	10:15	Surfc	Proto-peridinium quinquecorne (B)		Present	
	6/1/2004	9:10	Surfc	Gyrodinium instriatum (B)		Many	1.25
	6/7/2004	8:35	Surfc	Gyrodinium instriatum (B)		Common	0.42
	6/7/2004	8:35	Surfc	Prorocentrum minimum (T)		Present	
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	5/31/2004	9:38	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	0.18
	5/31/2004	9:38	Surfc	"Gymnodinioid" sp. (S)	10-15 um Grn	Present	
	5/31/2004	9:38	Surfc	Chattonella cf. verruculosa (T)		Present	
	5/31/2004	9:38	Surfc	Gyrodinium instriatum (B)		Present	
	5/31/2004	9:38	Surfc	Heterocapsa rotundata (B)		Present	
	5/31/2004	9:38	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
	5/31/2004	9:38	Surfc	Proto-peridinium quinquecorne (B)		Many	1.60
Rehoboth Bay							
ML: Massey's Landing							
	6/7/2004	9:00	Surfc		No HABs found		
RB07: West Bay Park							
	6/8/2004	10:00	Surfc	"Gymnodinioid" sp. (S)	15-25 um Grn	Present	
	6/8/2004	10:00	Surfc	Chaetoceros sp. (T)		Present	
	6/8/2004	10:00	Surfc	Heterocapsa rotundata (B)		Present	
RB50: Delaware Seashore State Park at New Road; knee deep wading sample.							
	6/7/2004	10:32	Surfc	Heterocapsa rotundata (B)		Present	
RB54: Savage Ditch, knee deep wading sample.							
	6/7/2004	10:45	Surfc	Kryptoperidinium foliaceum-2 (B)		Present	
<u>Bald Eagle Creek</u>							
RB46: Torquay Canal at East bulkhead on Land's End.							
	6/7/2004	11:40	Surfc	Heterosigma akashiwo. (T)		Present	
	6/7/2004	11:40	Surfc	Scrippsiella sp. (B)		Present	
RB46B: Torquay Canal by boat							
	5/27/2004	12:00	0.2m	"Gymnodinioid" sp. (S)	15-25 um Grn	Common	0.13
	5/27/2004	12:00	0.2m	"Gymnodinioid" sp. (S)	10-15 um Grn	Present	

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Rehoboth Bay							
<u>Bald Eagle Creek</u>							
RB46B: Torquay Canal by boat							
	5/27/2004	12:00	0.2m	<i>Chaetoceros sp. (T)</i>		Common	0.45
	5/27/2004	12:00	0.2m	<i>Chattonella subsalsa (T)</i>		Present	
	5/27/2004	12:00	0.2m	<i>Heterocapsa rotundata (B)</i>		Present	
	5/27/2004	12:00	0.2m	<i>Heterosigma akashiwo. (T)</i>		Abundant	13.20
	5/27/2004	12:01	1.2m	" <i>Gymnodinoid</i> " <i>sp. (S)</i>	15-25 um Grn	Present	
	5/27/2004	12:01	1.2m	<i>Chaetoceros sp. (T)</i>		Common	
	5/27/2004	12:01	1.2m	<i>Heterosigma akashiwo. (T)</i>		Abundant	22.00
	5/27/2004	12:02	4.0m	<i>Chattonella subsalsa (T)</i>		Present	
	5/27/2004	12:02	4.0m	<i>Heterosigma akashiwo. (T)</i>		Abundant	11.00
RB47B: Bald Eagle Creek - by boat							
	5/27/2004	12:50	2.4m	" <i>Gymnodinoid</i> " <i>sp. (S)</i>	15-25 um Grn	Present	
	5/27/2004	12:50	2.4m	<i>Heterosigma akashiwo. (T)</i>		Many	1.10
	5/27/2004	12:51	4.0m	<i>Heterosigma akashiwo. (T)</i>		Present	
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	6/7/2004	11:00	Surfc		No HABs found		
RB06: Guinea Creek (Winding Creek Village)							
	6/7/2004	7:30	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	6/7/2004	7:30	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
RB06A: Guinea Creek @ Rd 298 Bridge							
	6/7/2004	11:24	Surfc		No HABs found		
RB56: Leisure Point							
	6/2/2004	10:30	Bttm	" <i>Gymnodinoid</i> " <i>sp. (S)</i>	15-25 um Grn	Common	
	6/2/2004	10:30	Bttm	<i>Chaetoceros sp. (T)</i>		Common	
	6/2/2004	10:30	Bttm	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/2/2004	10:30	Bttm	<i>Heterocapsa rotundata (B)</i>		Present	
	6/2/2004	10:30	Surfc	" <i>Gymnodinoid</i> " <i>sp. (S)</i>	15-25 um Grn	Common	
	6/2/2004	10:30	Surfc	<i>Chaetoceros sp. (T)</i>		Common	
	6/2/2004	10:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/2/2004	10:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	
	6/2/2004	10:30	Surfc	<i>Heterosigma akashiwo. (T)</i>		Present	
RB60: Community Dock at Creek's End							
	5/31/2004	10:30	Bttm	" <i>Gymnodinoid</i> " <i>sp. (S)</i>	15-25 um Grn	Common	
	5/31/2004	10:30	Bttm	<i>Akashiwo sanguineum (B)</i>		Present	
	5/31/2004	10:30	Bttm	<i>Chaetoceros sp. (T)</i>		Common	
	5/31/2004	10:30	Bttm	<i>Chattonella subsalsa (T)</i>		Present	
	5/31/2004	10:30	Bttm	<i>Heterosigma akashiwo. (T)</i>		Present	
	5/31/2004	10:30	Surfc	" <i>Gymnodinoid</i> " <i>sp. (S)</i>	15-25 um Grn	Common	
	5/31/2004	10:30	Surfc	<i>Chaetoceros sp. (T)</i>		Common	0.75
	5/31/2004	10:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
<u>Herring Creek</u>							

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Rehoboth Bay							
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	6/7/2004	9:45	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
	6/7/2004	9:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
RB40: Burton Prong							
	6/7/2004	8:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/7/2004	8:30	Surfc	<i>Akashiwo sanguineum (B)</i>		Present	
	6/7/2004	8:30	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	6/7/2004	12:04	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/7/2004	12:04	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	
	6/7/2004	12:04	Surfc	<i>Heterosigma akashiwo. (T)</i>		Very Abundant	100.00
	6/7/2004	12:04	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	
RLC1W: shellfish site, mouth of Love Creek.							
	6/8/2004	9:30	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/8/2004	9:30	Surfc	<i>Chaetoceros sp. (T)</i>		Present	
RLC2S: DNREC site, upper Love Creek							
	6/8/2004	9:00	Surfc	<i>"Gymnodinioid" sp. (S)</i>	15-25 um Grn	Present	
	6/8/2004	9:00	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	6/8/2004	9:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.10
	6/8/2004	9:00	Surfc	<i>Heterosigma akashiwo. (T)</i>		Many	5.50
	6/8/2004	9:00	Surfc	<i>Kryptoperidinium foliaceum-2 (B)</i>		Present	

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