

Harmful Algae Report

All data between 6/12/2013 and 6/26/2013

University of Delaware Citizen Monitoring Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Broadkill River							
BR01: Broadkill river @ PEL dock.							
	6/12/2013	8:47	Net	<i>Ceratium pentagonum (B)</i>			
	6/12/2013	8:47	Net	<i>Dinophysis acuminata (T)</i>			
	6/12/2013	8:47	Net	<i>Heterosigma akashiwo (T)</i>			
	6/12/2013	8:47	Net	<i>Prorocentrum micans (B)</i>			
	6/12/2013	8:47	Net	<i>Prorocentrum triestinum (B)</i>			
	6/12/2013	8:47	Net	<i>Rhizosolenia spp. (T)</i>			
	6/12/2013	8:47	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/12/2013	8:47	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	6/12/2013	8:47	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	
	6/19/2013	8:55	Net	<i>Dinophysis acuminata (T)</i>			
	6/19/2013	8:55	Net	<i>Heterocapsa rotundata (B)</i>			
	6/19/2013	8:55	Net	<i>Prorocentrum micans (B)</i>			
	6/19/2013	8:55	Net	<i>Rhizosolenia spp. (T)</i>			
	6/19/2013	8:55	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/19/2013	8:55	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	6/19/2013	8:55	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	
	6/26/2013	8:50	Net	<i>Chaetoceros spp. (T)</i>			
	6/26/2013	8:50	Net	<i>Dinophysis acuminata (T)</i>			
	6/26/2013	8:50	Net	<i>Heterocapsa rotundata (B)</i>			
	6/26/2013	8:50	Net	<i>Karlodinium veneficum (T)</i>			
	6/26/2013	8:50	Net	<i>Prorocentrum micans (B)</i>			
	6/26/2013	8:50	Net	<i>Prorocentrum triestinum (B)</i>			
	6/26/2013	8:50	Net	<i>Protoperidinium quinquecornu (B)</i>			
	6/26/2013	8:50	Net	<i>Scripsiella sp. (B)</i>			
	6/26/2013	8:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/26/2013	8:50	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	
BR20: Broadkill River at Milton tidal pond							
	6/19/2013	6:50	Surfc		No HABs found		
Diamond Pond							
BR48: Diamond Pond							
	6/19/2013	10:57	Surfc		No HABs found		
Old Mill Creek							
BR21: Old Mill Creek downstream from Red Mill Pond							
	6/19/2013	12:23	Surfc	<i>Microcystis spp. (T)</i>		Many	1.120
Prime Hook Creek							
BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters							
	6/19/2013	12:01	Surfc	<i>Amphidinium spp. (T)</i>		Present	

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Broadkill River							
<u>Prime Hook Creek</u>							
BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters							
	6/19/2013	12:01	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	6/19/2013	12:01	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
Delaware Bay							
DB01: End of Cape Shores pier							
	6/19/2013	9:01	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	6/19/2013	9:01	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/19/2013	9:01	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	6/19/2013	9:01	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	
	6/19/2013	9:01	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
<u>Canary Creek</u>							
BR40: Canary Creek at Pilottown Rd							
	6/18/2013	6:45	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/18/2013	6:45	Surfc	<i>Prorocentrum micans (B)</i>		Present	
Indian River							
<u>Assawoman Canal</u>							
IR50: Assawoman Canal at N end, Ocean View Marina							
	6/18/2013	7:30	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	6/18/2013	7:30	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	6/18/2013	7:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/18/2013	7:30	Surfc	<i>Dinophysis acuminata (T)</i>		Present	0.012
	6/18/2013	7:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/18/2013	7:30	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	6/18/2013	7:30	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/18/2013	7:30	Surfc	<i>Prorocentrum triestinum (B)</i>		Common	0.140
<u>Indian River</u>							
IR04: Warwick Cove							
	6/17/2013	10:13	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/17/2013	10:13	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.140
	6/17/2013	10:13	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	6/17/2013	10:13	Surfc	<i>Pseudo-nitzschia spp. (T)</i>		Common	0.130
IR20: Bay Colony							
	6/17/2013	7:50	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/17/2013	7:50	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	6/17/2013	7:50	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	
IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore							
	6/17/2013	8:07	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	6/17/2013	8:07	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/17/2013	8:07	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	6/17/2013	8:07	Surfc	<i>Prorocentrum triestinum (B)</i>		Common	0.250
	6/17/2013	8:07	Surfc	<i>Scrippsiella sp. (B)</i>		Present	

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Indian River							
<u>Indian River</u>							
IR39: North side of Inlet at Wheelchair fishing platform under new bridge.							
	6/20/2013	7:00	Surfc	<i>Ceratium pentagonum (B)</i>		Rare	0.001
	6/20/2013	7:00	Surfc	<i>Dinophysis acuminata (T)</i>		Very Rare	
	6/20/2013	7:00	Surfc	<i>Prorocentrum micans (B)</i>		Present	0.010
	6/20/2013	7:00	Surfc	<i>Prorocentrum scutellum (B)</i>		Very Rare	
	6/20/2013	7:00	Surfc	<i>Prorocentrum triestinum (B)</i>		Rare	0.009
	6/20/2013	7:00	Surfc	<i>Rhizosolenia spp. (T)</i>		Very Rare	
	6/20/2013	7:00	Surfc	<i>Scrippsiella sp. (B)</i>		Rare	0.001
<u>Vines Creek</u>							
IR38: Vines Lane							
	6/18/2013	7:30	Surfc	<i>Dinophysis acuminata (T)</i>		Present	
	6/18/2013	7:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/18/2013	7:30	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	6/17/2013	9:08	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.380
	6/17/2013	9:08	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/17/2013	9:08	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.860
	6/17/2013	9:08	Surfc	<i>Scrippsiella sp. (B)</i>		Common	0.120
	6/24/2013	8:28	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/24/2013	8:28	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/24/2013	8:28	Surfc	<i>Heterosigma akashiwo (T)</i>		Common	0.150
	6/24/2013	8:28	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/24/2013	8:28	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.980
	6/24/2013	8:28	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	6/24/2013	8:28	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
Little Assawoman Bay							
LA45: Fenwick Island Bayside							
	6/18/2013	9:10	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/18/2013	9:10	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
<u>Assawoman Canal</u>							
LA10: Assawoman Canal S end, Kent Ave Bridge							
	6/17/2013	7:15	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/17/2013	7:15	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	6/18/2013	8:20	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	6/18/2013	8:20	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/18/2013	8:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/18/2013	8:20	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
LA09: Dirickson Creek at Road 381 bridge.							

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Little Assawoman Bay							
<u>Dirickson Creek</u>							
LA09: Dirickson Creek at Road 381 bridge.							
	6/17/2013	8:16	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.160
<u>Jefferson Creek</u>							
SB10E: Russell Canal east dead end							
	6/18/2013	8:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	3.700
	6/18/2013	8:05	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.450
	6/18/2013	8:05	Surfc	<i>Heterosigma akashiwo</i> (T)		Common	0.100
	6/18/2013	8:05	Surfc	<i>Karlodinium veneficum</i> (T)		Common	0.260
	6/18/2013	8:05	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	6/18/2013	8:05	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
	6/25/2013	8:26	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/25/2013	8:26	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	6/25/2013	8:26	Surfc	<i>Karlodinium veneficum</i> (T)		Common	0.300
	6/25/2013	8:26	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	6/25/2013	8:26	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	6/25/2013	8:26	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
SB10W: Russell Canal west dead end							
	6/18/2013	8:21	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Abundant	36.500
	6/18/2013	8:21	Surfc	<i>Chattonella subsalsa</i> (T)		Many	4.200
	6/18/2013	8:21	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/18/2013	8:21	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	6/18/2013	8:21	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	6/18/2013	8:21	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	6/25/2013	8:44	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/25/2013	8:44	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	6/25/2013	8:44	Surfc	<i>Karlodinium veneficum</i> (T)		Common	0.690
	6/25/2013	8:44	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	6/25/2013	8:44	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	6/25/2013	8:44	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
Rehoboth Bay							
RB07: West Bay Park							
	6/18/2013	9:20	Surfc	<i>Chaetoceros spp.</i> (T)		Present	
	6/18/2013	9:20	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	6/18/2013	9:20	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	6/18/2013	9:20	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	
RB53: White Oak Road							
	6/19/2013	13:45	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	6/19/2013	13:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/19/2013	13:45	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	6/19/2013	13:45	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	6/19/2013	13:45	Surfc	<i>Prorocentrum micans</i> (B)		Rare	0.001
	6/19/2013	13:45	Surfc	<i>Prorocentrum triestinum</i> (B)		Rare	0.001

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Rehoboth Bay							
RB53: White Oak Road							
	6/19/2013	13:45	Surfc	<i>Rhizosolenia spp. (T)</i>		Very Rare	
<u>Bald Eagle Creek</u>							
RB64: Torquay Canal, west side of Land's End near UD Site #1							
	6/17/2013	8:10	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	1.400
	6/17/2013	8:10	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	6/17/2013	8:10	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.160
	6/17/2013	8:10	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	6/17/2013	8:10	Surfc	<i>Heterosigma akashiwo (T)</i>		Common	0.480
	6/17/2013	8:10	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/17/2013	8:10	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.190
	6/17/2013	8:10	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	6/24/2013	7:30	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	6/24/2013	7:30	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/24/2013	7:30	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	6/24/2013	7:30	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	6/17/2013	11:17	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/17/2013	11:17	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
RB06: Guinea Creek (Winding Creek Village)							
	6/17/2013	8:00	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	6/17/2013	8:00	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	6/17/2013	8:00	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	6/17/2013	8:35	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	6/17/2013	8:35	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	6/17/2013	8:35	Surfc	<i>Scrippsiella sp. (B)</i>		Present	

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