

Harmful Algae Report

All data between 9/26/2012 and 10/19/2012

University of Delaware Citizen Monitoring 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							
	10/16/2012	8:51	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	10/16/2012	8:51	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
Broadkill River							
BR01: Broadkill river @ PEL dock.							
	10/11/2012	8:50	Net	<i>Rhizosolenia spp.</i> (T)			
	10/11/2012	8:50	Surfc		No HABs found		
	10/17/2012	8:50	Net	<i>Chaetoceros spp.</i> (T)			
	10/17/2012	8:50	Net	<i>Ditylum spp.</i> (T)			
	10/17/2012	8:50	Net	<i>Pseudo-nitzschia spp.</i> (T)			
	10/17/2012	8:50	Net	<i>Rhizosolenia spp.</i> (T)			
	10/17/2012	8:50	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
BR20: Broadkill River at Milton tidal pond							
	10/17/2012	7:45	Surfc		No HABs found		
<u>Diamond Pond</u>							
BR48: Diamond Pond							
	10/17/2012	10:48	Surfc	<i>Aphanizomenon spp.</i> (T)		Common	0.250
<u>Ingram Branch</u>							
BR06: Ingram Ditch at the intersection of Rds 212 and 231.							
	10/17/2012	11:20	Surfc	<i>Microcystis spp.</i> (T)		Present	
<u>Old Mill Creek</u>							
BR21: Old Mill Creek downstream from Red Mill Pond							
	10/17/2012	13:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
<u>Prime Hook Creek</u>							
BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters							
	10/5/2012	11:25	Surfc	<i>Amphidinium spp.</i> (T)		Common	
	10/5/2012	11:25	Surfc	<i>Anabaena spp.</i> (T)		Common	
	10/5/2012	11:25	Surfc	<i>Chaetoceros spp.</i> (T)		Common	
	10/5/2012	11:25	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	10/5/2012	11:25	Surfc	<i>Heterosigma akashiwo</i> (T)		Common	
	10/5/2012	11:25	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	10/17/2012	12:15	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	10/17/2012	12:15	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	10/17/2012	12:15	Surfc	<i>Karlodinium veneficum</i> (T)		Common	0.110
	10/17/2012	12:15	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	10/17/2012	12:15	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	10/17/2012	12:15	Surfc	<i>Skeletonema spp.</i> (B*)		Abundant	25.100

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Broadkill River							
<u>Wagamon's Pond</u>							
BR44: Wagamon's Pond, Milton							
	9/26/2012	11:00	Surfc	<i>Aphanizomenon spp. (T)</i>		Common	0.310
	9/26/2012	11:00	Surfc	<i>Microcystis spp. (T)</i>		Common	0.630
	9/26/2012	11:00	Surfc	<i>Oscillatoria spp. (B)</i>		Common	0.880
	10/18/2012	10:00	Surfc	<i>Aphanizomenon spp. (T)</i>		Common	0.500
	10/18/2012	10:00	Surfc	<i>Microcystis spp. (T)</i>		Common	0.250
Delaware Bay							
DB01: End of Cape Shores pier							
	10/16/2012	10:17	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
<u>Canary Creek</u>							
BR19: Canary Creek at New Road							
	10/17/2012	7:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/17/2012	7:30	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	10/17/2012	7:30	Surfc	<i>Rhizosolenia spp. (T)</i>		Present	
BR40: Canary Creek at Pilottown Rd							
	10/17/2012	8:06	Surfc		No HABs found		
Dirickson Pond							
LA38: The Hamlet at Dirickson Pond							
	10/16/2012	8:15	Surfc	<i>Aphanizomenon spp. (T)</i>		Many	5.400
Indian River							
<u>Assawoman Canal</u>							
IR50: Assawoman Canal at N end, Ocean View Marina							
	10/16/2012	7:35	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	10/16/2012	7:35	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	10/16/2012	7:35	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	10/16/2012	7:35	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	10/15/2012	7:37	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.130
	10/15/2012	7:37	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	10/15/2012	7:37	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	10/15/2012	7:37	Surfc	<i>Heterocapsa sp. (B)</i>		Present	
	10/15/2012	7:37	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	
<u>Indian River</u>							
IR04: Warwick Cove							
	10/15/2012	9:37	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
IR07: Holt's Landing State Park							
	10/16/2012	7:35	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	10/16/2012	7:35	Surfc	<i>Heterocapsa sp. (B)</i>		Present	
	10/16/2012	7:35	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	10/16/2012	7:35	Surfc	<i>Karlodinium veneficum (T)</i>		Present	

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Indian River							
<u>Indian River</u>							
IR11: Pot Nets Seaside Pier							
	10/15/2012	11:16	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	10/15/2012	11:16	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
IR20: Bay Colony							
	10/15/2012	7:50	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/15/2012	7:50	Surfc	<i>Heterocapsa sp.</i> (B)		Present	
	10/15/2012	7:50	Surfc	<i>Heterosigma akashiwo</i> (T)		Common	0.160
	10/15/2012	7:50	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	10/15/2012	7:50	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	
IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore							
	10/16/2012	9:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
IR39: North side of Inlet at Wheelchair fishing platform under new bridge.							
	9/27/2012	7:25	Surfc	<i>Chaetoceros spp.</i> (T)		Common	0.501
	9/27/2012	7:25	Surfc	<i>Fibrocapsa japonica</i> (T)		Rare	0.002
	9/27/2012	7:25	Surfc	<i>Prorocentrum scutellum</i> (B)		Very Rare	
	9/27/2012	7:25	Surfc	<i>Pseudo-nitzschia spp.</i> (T)		Rare	0.003
	9/27/2012	7:25	Surfc	<i>Rhizosolenia spp.</i> (T)		Very Rare	
	9/27/2012	7:25	Surfc	<i>Scrippsiella sp.</i> (B)		Very Rare	
	10/12/2012	7:10	Surfc	<i>Ceratium fusus</i> (B)		Very Rare	
	10/12/2012	7:10	Surfc	<i>Chaetoceros spp.</i> (T)		Rare	0.006
	10/12/2012	7:10	Surfc	<i>Ditylum spp.</i> (T)		Very Rare	
	10/12/2012	7:10	Surfc	<i>Prorocentrum sp.</i> (T)		Very Rare	
	10/12/2012	7:10	Surfc	<i>Pseudo-nitzschia spp.</i> (T)		Very Rare	
	10/12/2012	7:10	Surfc	<i>Rhizosolenia spp.</i> (T)		Rare	0.001
<u>Vines Creek</u>							
IR38: Vines Lane							
	10/16/2012	7:40	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	10/16/2012	7:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/16/2012	7:40	Surfc	<i>Heterosigma akashiwo</i> (T)		Common	0.240
	10/16/2012	7:40	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	10/1/2012	8:38	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	10/1/2012	8:38	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/1/2012	8:38	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	10/1/2012	8:38	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	10/1/2012	8:38	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	
	10/1/2012	8:38	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	10/15/2012	9:25	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.390
	10/15/2012	9:25	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/15/2012	9:25	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	

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Indian River							
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	10/15/2012	9:25	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	10/15/2012	9:25	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	
	10/15/2012	9:25	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
Little Assawoman Bay							
LA45: Fenwick Island Bayside							
	10/16/2012	7:50	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	10/16/2012	7:50	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
<u>Assawoman Canal</u>							
LA10: Assawoman Canal S end, Kent Ave Bridge							
	10/15/2012	7:15	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	10/15/2012	7:15	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	10/15/2012	8:22	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	10/15/2012	8:22	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	10/15/2012	8:52	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.150
	10/15/2012	8:52	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/15/2012	8:52	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	10/15/2012	8:52	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	10/15/2012	8:52	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
<u>Jefferson Creek</u>							
SB10E: Russell Canal east dead end							
	10/16/2012	8:07	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	10/16/2012	8:07	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
SB10W: Russell Canal west dead end							
	10/16/2012	8:27	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	
Rehoboth Bay							
ML: Massey's Landing							
	10/15/2012	11:32	Surfc		No HABs found		
RB07: West Bay Park							
	10/16/2012	8:00	Surfc		No HABs found		
<u>Bald Eagle Creek</u>							
RB64: Torquay Canal, west side of Land's End near UD Site #1							
	10/1/2012	7:45	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	10/1/2012	7:45	Surfc	<i>Heterosigma akashiwo</i> (T)		Many	4.200
	10/1/2012	7:45	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	10/1/2012	7:45	Surfc	<i>Oscillatoria spp.</i> (B)		Common	0.380
	10/15/2012	8:05	Surfc	<i>Amphidinium spp.</i> (T)		Present	
	10/15/2012	8:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	

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Rehoboth Bay							
<u>Bald Eagle Creek</u>							
RB64: Torquay Canal, west side of Land's End near UD Site #1							
	10/15/2012	8:05	Surfc	<i>Gyrodinium lachryma</i> (B)		Present	
	10/15/2012	8:05	Surfc	<i>Heterocapsa sp.</i> (B)		Present	
	10/15/2012	8:05	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	10/15/2012	8:05	Surfc	<i>Karlodinium veneficum</i> (T)		Many	3.300
	10/15/2012	8:05	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	10/15/2012	8:05	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	10/15/2012	11:50	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	10/15/2012	11:50	Surfc	<i>Heterocapsa sp.</i> (B)		Present	
	10/15/2012	11:50	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	10/15/2012	11:50	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	10/9/2012	8:15	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.350
	10/9/2012	8:15	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	10/9/2012	8:15	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	10/9/2012	8:15	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	10/15/2012	8:30	Surfc	(Unknown) (B*)	5-15 um Clr trdrp	Abundant	11.000
	10/15/2012	8:30	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.290
	10/15/2012	8:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	10/15/2012	8:30	Surfc	<i>Heterocapsa sp.</i> (B)		Present	
	10/15/2012	8:30	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	10/15/2012	8:30	Surfc	<i>Karlodinium veneficum</i> (T)		Common	0.160
	10/15/2012	8:30	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	

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