

Harmful Algae Report

All data between 7/26/2012 and 8/15/2012

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							
	8/7/2012	8:59	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/7/2012	8:59	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	8/7/2012	8:59	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
Atlantic Ocean							
RWPM14: Tower Rd Ocean, Delaware Seashore State Park							
	7/26/2012	8:46	Surfc	<i>Ceratium pentagonum</i> (B)		Very Rare	
	7/26/2012	8:46	Surfc	<i>Chaetoceros</i> spp. (T)		Present	0.018
	7/26/2012	8:46	Surfc	<i>Heterocapsa rotundata</i> (B)		Rare	0.001
	7/26/2012	8:46	Surfc	<i>Karenia papilionacea</i> (T)		Very Rare	
	7/26/2012	8:46	Surfc	<i>Prorocentrum scutellum</i> (B)		Very Rare	
	7/26/2012	8:46	Surfc	<i>Prorocentrum triestinum</i> (B)		Very Rare	
	7/26/2012	8:46	Surfc	<i>Pseudo-nitzschia</i> spp. (T)		Present	0.021
	7/26/2012	8:46	Surfc	<i>Rhizosolenia</i> spp. (T)		Very Rare	
	7/26/2012	8:46	Surfc	<i>Scrippsiella</i> sp. (B)		Very Rare	
	8/9/2012	8:55	Surfc	<i>Chaetoceros</i> spp. (T)		Present	0.012
	8/9/2012	8:55	Surfc	<i>Heterocapsa rotundata</i> (B)		Rare	0.001
	8/9/2012	8:55	Surfc	<i>Karenia papilionacea</i> (T)		Rare	0.002
	8/9/2012	8:55	Surfc	<i>Prorocentrum scutellum</i> (B)		Rare	0.001
	8/9/2012	8:55	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	0.014
	8/9/2012	8:55	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Very Rare	
	8/9/2012	8:55	Surfc	<i>Pseudo-nitzschia</i> spp. (T)		Very Rare	
	8/9/2012	8:55	Surfc	<i>Rhizosolenia</i> spp. (T)		Rare	0.003
	8/9/2012	8:55	Surfc	<i>Scrippsiella</i> sp. (B)		Rare	0.008
RWPM8: Cape Henlopen State Park Beach (2)							
	8/2/2012	8:35	Surfc	<i>Chaetoceros</i> spp. (B)		Present	0.032
	8/2/2012	8:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Rare	0.001
	8/2/2012	8:35	Surfc	<i>Karenia papilionacea</i> (T)		Very Rare	
	8/2/2012	8:35	Surfc	<i>Prorocentrum triestinum</i> (B)		Very Rare	
	8/2/2012	8:35	Surfc	<i>Pseudo-nitzschia</i> spp. (T)		Rare	0.008
	8/2/2012	8:35	Surfc	<i>Rhizosolenia</i> spp. (T)		Very Rare	
	8/2/2012	8:35	Surfc	<i>Scrippsiella</i> sp. (B)		Rare	0.001
RWPMVIII: Town of Fenwick							
	7/26/2012	8:02	Surfc	<i>Ceratium pentagonum</i> (B)		Very Rare	
	7/26/2012	8:02	Surfc	<i>Chaetoceros</i> spp. (T)		Present	0.011
	7/26/2012	8:02	Surfc	<i>Dinophysis acuminata</i> (T)		Rare	0.001
	7/26/2012	8:02	Surfc	<i>Prorocentrum scutellum</i> (B)		Very Rare	

Name subsripts: (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; Very Rare: < 0.001 MC/L; Rare 0.001 - 0.01 MC/L; Present: 0.01 - 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.

University of Delaware Citizen Monitoring Program

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Atlantic Ocean							
RWPMVIII: Town of Fenwick							
	7/26/2012	8:02	Surfc	<i>Prorocentrum triestinum (B)</i>		Very Rare	
	7/26/2012	8:02	Surfc	<i>Rhizosolenia spp. (T)</i>		Very Rare	
	7/26/2012	8:02	Surfc	<i>Scrippsiella sp. (B)</i>		Very Rare	
	8/9/2012	8:23	Surfc	<i>Anabaena spp. (T)</i>		Present	
	8/9/2012	8:23	Surfc	<i>Chaetoceros spp. (T)</i>		Rare	0.003
	8/9/2012	8:23	Surfc	<i>Ditylum spp. (T)</i>		Rare	0.001
	8/9/2012	8:23	Surfc	<i>Karenia papilionacea (T)</i>		Very Rare	
	8/9/2012	8:23	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Rare	0.001
	8/9/2012	8:23	Surfc	<i>Prorocentrum scutellum (B)</i>		Very Rare	
	8/9/2012	8:23	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	0.010
	8/9/2012	8:23	Surfc	<i>Proto-peridinium quinquecorne (B)</i>		Very Rare	
	8/9/2012	8:23	Surfc	<i>Pseudo-nitzschia spp. (T)</i>		Rare	0.007
	8/9/2012	8:23	Surfc	<i>Rhizosolenia spp. (T)</i>		Rare	0.004
	8/9/2012	8:23	Surfc	<i>Scrippsiella sp. (B)</i>		Present	0.012
RWPMXXa: Campbell Place @ Bethany Beach							
	8/13/2012	16:00	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	8/13/2012	16:00	Surfc	<i>Eutreptiella sp. (B)</i>		Abundant	12.200
	8/13/2012	16:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.200
	8/13/2012	16:00	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	8/13/2012	16:00	Surfc	<i>Prorocentrum scutellum (B)</i>		Present	
	8/13/2012	16:00	Surfc	<i>Prorocentrum triestinum (B)</i>		Common	0.500
Broadkill River							
BR01: Broadkill river @ PEL dock.							
	7/26/2012	9:30	Net	<i>Anabaena spp. (T)</i>			
	7/26/2012	9:30	Net	<i>Chaetoceros spp. (T)</i>			
	7/26/2012	9:30	Net	<i>Gyrodinium instriatum (B)</i>			
	7/26/2012	9:30	Net	<i>Heterocapsa rotundata (B)</i>			
	7/26/2012	9:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/1/2012	8:55	Net	<i>Chaetoceros spp. (T)</i>			
	8/1/2012	8:55	Net	<i>Pseudo-nitzschia spp. (T)</i>			
	8/1/2012	8:55	Net	<i>Rhizosolenia spp. (T)</i>			
	8/1/2012	8:55	Net	<i>Scrippsiella sp. (B)</i>			
	8/1/2012	8:55	Surfc	<i>Chaetoceros spp. (B)</i>		Common	0.100
	8/8/2012	8:55	Net	<i>Anabaena spp. (T)</i>			
	8/8/2012	8:55	Net	<i>Chaetoceros spp. (T)</i>			
	8/8/2012	8:55	Net	<i>Gyrodinium instriatum (B)</i>			
	8/8/2012	8:55	Net	<i>Proto-peridinium quinquecorne (B)</i>			
	8/8/2012	8:55	Net	<i>Rhizosolenia spp. (T)</i>			
	8/8/2012	8:55	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	8/8/2012	8:55	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/8/2012	8:55	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	8/15/2012	8:55	Net	<i>Chaetoceros spp. (T)</i>			

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Broadkill River							
BR01: Broadkill river @ PEL dock.							
	8/15/2012	8:55	Net	<i>Karodinium veneficum</i> (T)			
	8/15/2012	8:55	Net	<i>Prorocentrum scutellum</i> (B)			
	8/15/2012	8:55	Net	<i>Prorocentrum triestinum</i> (B)			
	8/15/2012	8:55	Net	<i>Pseudo-nitzschia</i> spp. (T)			
	8/15/2012	8:55	Net	<i>Rhizosolenia</i> spp. (T)			
	8/15/2012	8:55	Surfc	<i>Chaetoceros</i> spp. (T)		Common	0.460
	8/15/2012	8:55	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/15/2012	8:55	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	8/15/2012	8:55	Surfc	<i>Karodinium veneficum</i> (T)		Present	
	8/15/2012	8:55	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
BR20: Broadkill River at Milton tidal pond							
	8/8/2012	7:15	Surfc	<i>Aphanizomenon</i> spp. (T)		Many	1.500
	8/8/2012	7:15	Surfc	<i>Microcystis</i> spp. (T)		Many	5.900
<u>Diamond Pond</u>							
BR48: Diamond Pond							
	8/8/2012	10:51	Surfc	<i>Aphanizomenon</i> spp. (T)		Common	0.500
	8/8/2012	10:51	Surfc	<i>Microcystis</i> spp. (T)		Many	1.750
<u>Old Mill Creek</u>							
BR21: Old Mill Creek downstream from Red Mill Pond							
	8/8/2012	12:35	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/8/2012	12:35	Surfc	<i>Karodinium veneficum</i> (T)		Present	
<u>Prime Hook Creek</u>							
BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters							
	8/8/2012	12:05	Surfc	<i>Amphidinium</i> spp. (T)		Present	
	8/8/2012	12:05	Surfc	<i>Anabaena</i> spp. (T)		Very Abundant	1749.000
	8/8/2012	12:05	Surfc	<i>Chaetoceros</i> spp. (T)		Present	
	8/8/2012	12:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	5.500
	8/8/2012	12:05	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	8/8/2012	12:05	Surfc	<i>Gyrodinium instriatum</i> (B)		Many	5.700
	8/8/2012	12:05	Surfc	<i>Heterocapsa rotundata</i> (B)		Many	1.800
	8/8/2012	12:05	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	8/8/2012	12:05	Surfc	<i>Microcystis</i> spp. (T)		Many	2.500
	8/8/2012	12:05	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
<u>Wagamon's Pond</u>							
BR44: Wagamon's Pond, Milton							
	7/26/2012	11:00	Surfc	<i>Anabaena</i> spp. (T)		Abundant	38.000
	7/26/2012	11:00	Surfc	<i>Aphanizomenon</i> spp. (T)		Common	
	7/26/2012	11:00	Surfc	<i>Lyngbya</i> (T)		Present	
	7/26/2012	11:00	Surfc	<i>Microcystis</i> spp. (T)		Abundant	13.800
	7/26/2012	11:00	Surfc	<i>Oscillatoria</i> spp. (B)		Common	
	7/26/2012	11:00	Surfc	<i>Snowella</i> spp. (B)		Abundant	12.500

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Broadkill River							
<u>Wagamon's Pond</u>							
BR44: Wagamon's Pond, Milton							
	8/8/2012	10:30	Surfc	<i>Anabaena spp. (T)</i>		Abundant	13.200
	8/8/2012	10:30	Surfc	<i>Aphanizomenon spp. (T)</i>		Abundant	55.000
	8/8/2012	10:30	Surfc	<i>Lyngbya (T)</i>		Many	1.000
	8/8/2012	10:30	Surfc	<i>Microcystis spp. (T)</i>		Very Abundant	539.000
	8/8/2012	10:30	Surfc	<i>Planktolyngbya sp. (B*)</i>		Abundant	88.000
Delaware Bay							
DB01: End of Cape Shores pier							
	8/7/2012	8:09	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
<u>Canary Creek</u>							
BR19: Canary Creek at New Road							
	8/8/2012	10:06	Surfc	<i>Anabaena spp. (T)</i>		Common	0.380
	8/8/2012	10:06	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	8/8/2012	10:06	Surfc	<i>Cylindrotheca closterium (B*)</i>		Abundant	40.300
	8/8/2012	10:06	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	8/8/2012	10:06	Surfc	<i>Rhizosolenia spp. (T)</i>		Present	
BR40: Canary Creek at Pilottown Rd							
	8/8/2012	7:50	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	8/8/2012	7:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/8/2012	7:50	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
Dirickson Pond							
LA38: The Hamlet at Dirickson Pond							
	8/7/2012	8:32	Surfc	<i>Microcystis spp. (T)</i>		Common	0.620
Indian River							
<u>Assawoman Canal</u>							
IR50: Assawoman Canal at N end, Ocean View Marina							
	8/7/2012	7:50	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	8/7/2012	7:50	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.530
	8/7/2012	7:50	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	8/7/2012	7:50	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	8/7/2012	7:50	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	8/6/2012	7:40	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/6/2012	7:40	Surfc	<i>Chattonella subsalsa (T)</i>		Many	1.050
	8/6/2012	7:40	Surfc	<i>Fibrocapsa japonica (T)</i>		Common	0.430
	8/6/2012	7:40	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	8/6/2012	7:40	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	8/6/2012	7:40	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	8/6/2012	7:40	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	8/6/2012	7:40	Surfc	<i>Snowella spp. (B)</i>		Common	0.500

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Indian River							
<u>Indian River</u>							
IR04: Warwick Cove							
	8/6/2012	9:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.160
	8/6/2012	9:40	Surfc	<i>Karlodinium veneficum</i> (T)		Common	0.150
IR07: Holt's Landing State Park							
	8/7/2012	7:00	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
IR11: Pot Nets Seaside Pier							
	8/6/2012	11:15	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	8/6/2012	11:15	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
IR20: Bay Colony							
	8/6/2012	7:50	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/6/2012	7:50	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore							
	8/7/2012	8:35	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
IR39: North side of Inlet at Wheelchair fishing platform under new bridge.							
	8/2/2012	9:01	Surfc	<i>Chaetoceros</i> spp. (T)		Present	0.044
	8/2/2012	9:01	Surfc	<i>Ditylum</i> spp. (T)		Very Rare	
	8/2/2012	9:01	Surfc	<i>Heterocapsa rotundata</i> (B)		Rare	0.003
	8/2/2012	9:01	Surfc	<i>Karenia papilionacea</i> (T)		Rare	0.002
	8/2/2012	9:01	Surfc	<i>Karlodinium veneficum</i> (T)		Rare	0.001
	8/2/2012	9:01	Surfc	<i>Prorocentrum scutellum</i> (B)		Rare	0.003
	8/2/2012	9:01	Surfc	<i>Prorocentrum triestinum</i> (B)		Rare	0.005
	8/2/2012	9:01	Surfc	<i>Pseudo-nitzschia</i> spp. (T)		Rare	0.003
	8/2/2012	9:01	Surfc	<i>Rhizosolenia</i> spp. (T)		Very Rare	
	8/2/2012	9:01	Surfc	<i>Scrippsiella</i> sp. (B)		Rare	0.006
<u>Vines Creek</u>							
IR38: Vines Lane							
	8/7/2012	7:30	Surfc	<i>Chattonella</i> cf. <i>verruculosa</i> (T)		Present	
	8/7/2012	7:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/7/2012	7:30	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	8/7/2012	7:30	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	8/7/2012	7:30	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	7/30/2012	8:27	Surfc	<i>Chattonella</i> cf. <i>verruculosa</i> (T)		Common	0.150
	7/30/2012	8:27	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.150
	7/30/2012	8:27	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/30/2012	8:27	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/30/2012	8:27	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	7/30/2012	8:27	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	7/30/2012	8:27	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
	8/6/2012	9:15	Surfc	<i>Chattonella</i> cf. <i>verruculosa</i> (T)		Present	

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Indian River							
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	8/6/2012	9:15	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	8/6/2012	9:15	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	8/6/2012	9:15	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.710
	8/6/2012	9:15	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	8/6/2012	9:15	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Present	
	8/6/2012	9:15	Surfc	<i>Scrippsiella sp. (B)</i>		Common	0.140
	8/13/2012	8:39	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.270
	8/13/2012	8:39	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.210
	8/13/2012	8:39	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	8/13/2012	8:39	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.400
	8/13/2012	8:39	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	8/13/2012	8:39	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	
	8/13/2012	8:39	Surfc	<i>Scrippsiella sp. (B)</i>		Common	0.200
Little Assawoman Bay							
LA45: Fenwick Island Bayside							
	8/7/2012	7:50	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	8/7/2012	7:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/7/2012	7:50	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
<u>Assawoman Canal</u>							
LA10: Assawoman Canal S end, Kent Ave Bridge							
	8/6/2012	7:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/6/2012	7:20	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	8/6/2012	7:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/6/2012	7:20	Surfc	<i>Karlodinium veneficum (T)</i>		Common	0.120
	8/6/2012	7:20	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	8/6/2012	8:02	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.260
	8/6/2012	8:02	Surfc	<i>Karlodinium veneficum (T)</i>		Many	2.200
	8/6/2012	8:02	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	8/6/2012	8:02	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Present	
	8/6/2012	8:02	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	8/6/2012	8:42	Surfc	<i>Amphidinium spp. (T)</i>		Present	
	8/6/2012	8:42	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.100
	8/6/2012	8:42	Surfc	<i>Chattonella subsalsa (T)</i>		Many	1.310
	8/6/2012	8:42	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	8/6/2012	8:42	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/6/2012	8:42	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	8/6/2012	8:42	Surfc	<i>Karlodinium veneficum (T)</i>		Present	

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Little Assawoman Bay							
<u>Dirickson Creek</u>							
LA09: Dirickson Creek at Road 381 bridge.							
	8/6/2012	8:42	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	8/6/2012	8:42	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Present	
<u>Jefferson Creek</u>							
SB10E: Russell Canal east dead end							
	7/31/2012	8:05	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.150
	7/31/2012	8:05	Surfc	<i>Heterocapsa rotundata (B)</i>		Many	1.100
	7/31/2012	8:05	Surfc	<i>Karlodinium veneficum (T)</i>		Many	1.300
	7/31/2012	8:05	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Present	
	8/7/2012	8:09	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/7/2012	8:09	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	8/7/2012	8:09	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/7/2012	8:09	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	8/14/2012	7:24	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.130
	8/14/2012	7:24	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	8/14/2012	7:24	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/14/2012	7:24	Surfc	<i>Karlodinium veneficum (T)</i>		Common	0.120
	8/14/2012	7:24	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
SB10W: Russell Canal west dead end							
	7/31/2012	8:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.260
	7/31/2012	8:20	Surfc	<i>Karlodinium veneficum (T)</i>		Common	0.460
	8/7/2012	8:25	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	8/7/2012	8:25	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/7/2012	8:25	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	8/7/2012	8:25	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	8/14/2012	7:15	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	8/14/2012	7:15	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
	8/14/2012	7:15	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.210
	8/14/2012	7:15	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	8/14/2012	7:15	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	8/14/2012	7:15	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Present	
<u>Williams Creek</u>							
LA21: Williams Creek tributary, bridge on Rd 364a							
	8/6/2012	8:30	Surfc	<i>Chattonella subsalsa (T)</i>		Many	2.350
	8/6/2012	8:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.140
	8/6/2012	8:30	Surfc	<i>Heterosigma akashiwo (T)</i>		Common	0.440
	8/6/2012	8:30	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	8/6/2012	8:30	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Many	9.680
	8/6/2012	8:30	Surfc	<i>Protopteridinium quinquecorne (B)</i>		Many	7.260

Rehoboth Bay

ML: Massey's Landing

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Rehoboth Bay							
ML: Massey's Landing	8/6/2012	11:32	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	
RB07: West Bay Park	8/7/2012	8:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
Bald Eagle Creek							
RB64: Torquay Canal, west side of Land's End near UD Site #1	7/30/2012	7:45	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.260
	7/30/2012	7:45	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	7/30/2012	7:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.160
	7/30/2012	7:45	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	7/30/2012	7:45	Surfc	<i>Karlodinium veneficum</i> (T)		Common	0.580
	7/30/2012	7:45	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	8/6/2012	8:14	Surfc	<i>Akashiwo sanguinea</i> (T)		Present	
	8/6/2012	8:14	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/6/2012	8:14	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	8/13/2012	7:50	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.190
	8/13/2012	7:50	Surfc	<i>Heterocapsa rotundata</i> (B)		Many	2.200
	8/13/2012	7:50	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	8/13/2012	7:50	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
Guinea Creek							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)	8/6/2012	11:51	Surfc	<i>Akashiwo sanguinea</i> (T)		Present	
	8/6/2012	11:51	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	8/6/2012	11:51	Surfc	<i>Karlodinium veneficum</i> (T)		Common	0.130
RB06: Guinea Creek (Winding Creek Village)	8/6/2012	12:13	Surfc	<i>(Unknown) sp. (B*)</i>	5-15 um grn trdrp flag	Abundant	15.400
	8/6/2012	12:13	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/6/2012	12:13	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.150
	8/6/2012	12:13	Surfc	<i>Karlodinium veneficum</i> (T)		Common	0.130
	8/6/2012	12:13	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	8/6/2012	12:13	Surfc	<i>Protoperdinium quinquecorne</i> (B)		Present	
Herring Creek							
RB04: Herring Creek, Mid-Section	8/7/2012	9:00	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	8/7/2012	9:00	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	8/7/2012	9:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	8/7/2012	9:00	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
Love Creek							
RB34: Love Creek at Rt 24 Bridge	8/6/2012	8:37	Surfc	<i>(Unknown) sp. (B*)</i>	5-15 um grn trdrp flag	Abundant	15.400
	8/6/2012	8:37	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	5.300
	8/6/2012	8:37	Surfc	<i>Karlodinium veneficum</i> (T)		Present	

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University of Delaware Citizen Monitoring Program

Water Body Tributary Site	Date	Time	Smpl Name Dpth	Comment if ID uncertain	Abundance	MC/L
Silver Lake <u>Silver Lake</u>						
RL01: Silver Lake, Lake Drive Bridge	7/31/2012	9:20	Surfc	<i>Aphanizomenon spp. (T)</i>	Common	0.380

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