

Harmful Algae Report

All data between 6/25/2013 and 7/18/2013

University of Delaware Citizen Monitoring Program

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Atlantic Ocean							
RWPM14: Tower Rd Ocean, Delaware Seashore State Park							
	7/15/2013	8:45	Surfc	<i>Ceratium pentagonum (B)</i>		Very Rare	
	7/15/2013	8:45	Surfc	<i>Chaetoceros spp. (T)</i>		Present	0.012
	7/15/2013	8:45	Surfc	<i>Prorocentrum micans (B)</i>		Rare	0.003
	7/15/2013	8:45	Surfc	<i>Prorocentrum minimum (T)</i>		Rare	0.002
	7/15/2013	8:45	Surfc	<i>Prorocentrum scutellum (B)</i>		Rare	0.001
	7/15/2013	8:45	Surfc	<i>Prorocentrum sp. (T)</i>		Very Rare	
	7/15/2013	8:45	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	0.033
	7/15/2013	8:45	Surfc	<i>Pseudo-nitzschia spp. (T)</i>		Rare	0.004
	7/15/2013	8:45	Surfc	<i>Scrippsiella sp. (B)</i>		Very Rare	
RWPM8: Cape Henlopen State Park Beach (2)							
	7/11/2013	8:32	Surfc	<i>Ceratium pentagonum (B)</i>		Very Rare	
	7/11/2013	8:32	Surfc	<i>Chaetoceros spp. (T)</i>		Rare	0.001
	7/11/2013	8:32	Surfc	<i>Dinophysis acuminata (T)</i>		Very Rare	
	7/11/2013	8:32	Surfc	<i>Ditylum spp. (T)</i>		Very Rare	
	7/11/2013	8:32	Surfc	<i>Prorocentrum micans (B)</i>		Very Rare	
	7/11/2013	8:32	Surfc	<i>Prorocentrum minimum (T)</i>		Very Rare	
	7/11/2013	8:32	Surfc	<i>Prorocentrum scutellum (B)</i>		Very Rare	
	7/11/2013	8:32	Surfc	<i>Prorocentrum sp. (T)</i>		Very Rare	
	7/11/2013	8:32	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	0.019
	7/11/2013	8:32	Surfc	<i>Pseudo-nitzschia spp. (T)</i>		Present	0.010
	7/11/2013	8:32	Surfc	<i>Rhizosolenia spp. (T)</i>		Very Rare	
	7/11/2013	8:32	Surfc	<i>Scrippsiella sp. (B)</i>		Very Rare	
RWPMIII: Town of Bethany							
	7/13/2013	15:00	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	7/13/2013	15:00	Surfc	<i>Eutreptiella sp. (B)</i>		Abundant	31.100
	7/13/2013	15:00	Surfc	<i>Prorocentrum scutellum (B)</i>		Present	
	7/13/2013	15:00	Surfc	<i>Prorocentrum sp. (T)</i>		Present	
	7/13/2013	15:00	Surfc	<i>Prorocentrum triestinum (B)</i>		Common	0.420
	7/13/2013	15:00	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
RWPMVIII: Town of Fenwick							
	7/16/2013	8:20	Surfc	<i>Ceratium fusus (B)</i>		Very Rare	
	7/16/2013	8:20	Surfc	<i>Ceratium pentagonum (B)</i>		Very Rare	
	7/16/2013	8:20	Surfc	<i>Chaetoceros spp. (T)</i>		Present	0.028
	7/16/2013	8:20	Surfc	<i>Dinophysis acuminata (T)</i>		Very Rare	
	7/16/2013	8:20	Surfc	<i>Prorocentrum micans (B)</i>		Very Rare	
	7/16/2013	8:20	Surfc	<i>Prorocentrum minimum (T)</i>		Present	0.010
	7/16/2013	8:20	Surfc	<i>Prorocentrum scutellum (B)</i>		Very Rare	
	7/16/2013	8:20	Surfc	<i>Prorocentrum sp. (T)</i>		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.

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Atlantic Ocean							
RWPMVIII: Town of Fenwick							
	7/16/2013	8:20	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	0.071
	7/16/2013	8:20	Surfc	<i>Pseudo-nitzschia spp. (T)</i>		Rare	0.006
	7/16/2013	8:20	Surfc	<i>Rhizosolenia spp. (T)</i>		Very Rare	
	7/16/2013	8:20	Surfc	<i>Scrippsiella sp. (B)</i>		Rare	0.003
Broadkill River							
BR01: Broadkill river @ PEL dock.							
	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 quinquecorne (B)</i>			
	6/26/2013	8:50	Net	<i>Scrippsiella 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	
	7/3/2013	8:50	Net	<i>"Gymnodinioid" sp. (S)</i>	25-40 um Grn		
	7/3/2013	8:50	Net	<i>Chaetoceros spp. (T)</i>			
	7/3/2013	8:50	Net	<i>Dinophysis acuminata (T)</i>			
	7/3/2013	8:50	Net	<i>Ditylum spp. (T)</i>			
	7/3/2013	8:50	Net	<i>Eutreptiella sp. (B)</i>			
	7/3/2013	8:50	Net	<i>Gonyaulax scrippsae (B)</i>			
	7/3/2013	8:50	Net	<i>Heterocapsa rotundata (B)</i>			
	7/3/2013	8:50	Net	<i>Prorocentrum scutellum (B)</i>			
	7/3/2013	8:50	Net	<i>Prorocentrum triestinum (B)</i>			
	7/3/2013	8:50	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	7/3/2013	8:50	Surfc	<i>Ditylum spp. (T)</i>		Present	
	7/11/2013	8:40	Net	<i>Ceratium pentagonum (B)</i>			
	7/11/2013	8:40	Net	<i>Chaetoceros spp. (T)</i>			
	7/11/2013	8:40	Net	<i>Dinophysis acuminata (T)</i>			
	7/11/2013	8:40	Net	<i>Eutreptiella sp. (B)</i>			
	7/11/2013	8:40	Net	<i>Heterocapsa rotundata (B)</i>			
	7/11/2013	8:40	Net	<i>Karlodinium veneficum (T)</i>			
	7/11/2013	8:40	Net	<i>Prorocentrum minimum (T)</i>			
	7/11/2013	8:40	Net	<i>Prorocentrum triestinum (B)</i>			
	7/11/2013	8:40	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	7/11/2013	8:40	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	7/11/2013	8:40	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	
	7/17/2013	8:50	Net	<i>Kryptoperidinium foliaceum (B)</i>			
	7/17/2013	8:50	Net	<i>Prorocentrum micans (B)</i>			
	7/17/2013	8:50	Net	<i>Prorocentrum scutellum (B)</i>			
	7/17/2013	8:50	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	

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Broadkill River							
BR01: Broadkill river @ PEL dock.							
	7/17/2013	8:50	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/17/2013	8:50	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	7/17/2013	8:50	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	7/17/2013	8:50	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
BR20: Broadkill River at Milton tidal pond							
	7/10/2013	7:15	Surfc		No HABs found		
<u>Old Mill Creek</u>							
BR21: Old Mill Creek downstream from Red Mill Pond							
	7/10/2013	12:21	Surfc	(Unknown) sp. (B)	15-30 um grn trdrp	Abundant	10.100
	7/10/2013	12:21	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/10/2013	12:21	Surfc	<i>Microcystis</i> spp. (T)		Common	0.620
<u>Prime Hook Creek</u>							
BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters							
	7/10/2013	11:56	Surfc	<i>Chattonella</i> cf. <i>verruculosa</i> (T)		Present	
	7/10/2013	11:56	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/10/2013	11:56	Surfc	<i>Heterosigma akashiwo</i> (T)		Very Abundant	281.000
	7/10/2013	11:56	Surfc	<i>Scrippsiella</i> sp. (B)		Present	
<u>Wagamon's Pond</u>							
BR44: Wagamon's Pond, Milton							
	7/10/2013	9:30	Surfc	<i>Lyngbya</i> (T)		Present	
Delaware Bay							
DB01: End of Cape Shores pier							
	7/9/2013	8:24	Surfc	" <i>Gymnodinioid</i> " sp. (S)	25-40 um Grn	Present	
	7/9/2013	8:24	Surfc	<i>Chaetoceros</i> spp. (T)		Common	0.100
	7/9/2013	8:24	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/9/2013	8:24	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	7/9/2013	8:24	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	7/9/2013	8:24	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	
<u>Canary Creek</u>							
BR40: Canary Creek at Pilottown Rd							
	7/2/2013	6:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/2/2013	6:10	Surfc	<i>Prorocentrum triestinum</i> (B)		Present	
	7/9/2013	6:00	Surfc		No HABs found		
	7/9/2013	6:00	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
Indian River							
<u>Assawoman Canal</u>							
IR50: Assawoman Canal at N end, Ocean View Marina							
	7/9/2013	7:35	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	7/9/2013	7:35	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							

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Indian River							
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	7/10/2013	7:45	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/10/2013	7:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/10/2013	7:45	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.260
	7/10/2013	7:45	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/10/2013	7:45	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
<u>Indian River</u>							
IR04: Warwick Cove							
	7/8/2013	9:50	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	7/8/2013	9:50	Surfc	<i>Gonyaulax scrippsae (B)</i>		Present	
	7/8/2013	9:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/8/2013	9:50	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	7/8/2013	9:50	Surfc	<i>Leptocylindrus spp. (B*)</i>		Abundant	13.800
	7/8/2013	9:50	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
IR11: Pot Nets Seaside Pier							
	7/17/2013	8:50	Surfc	<i>Chaetoceros spp. (T)</i>		Present	
	7/17/2013	8:50	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/17/2013	8:50	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	7/17/2013	8:50	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	
IR20: Bay Colony							
	7/8/2013	7:55	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	7/8/2013	7:55	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	7/8/2013	7:55	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/8/2013	7:55	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
IR36: James Farm, base of Pasture Point Knee deep 150 yds from shore							
	7/1/2013	7:45	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.250
	7/1/2013	7:45	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.100
	7/1/2013	7:45	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	7/1/2013	7:45	Surfc	<i>Karlodinium veneficum (T)</i>		Common	0.175
	7/1/2013	7:45	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	7/1/2013	7:45	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	
	7/1/2013	7:45	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	7/8/2013	7:39	Surfc	<i>Dinophysis acuminata (T)</i>		Present	
	7/8/2013	7:39	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/8/2013	7:39	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
IR39: North side of Inlet at Wheelchair fishing platform under new bridge.							
	7/10/2013	9:45	Surfc	<i>Ceratium pentagonum (B)</i>		Rare	0.001
	7/10/2013	9:45	Surfc	<i>Chaetoceros spp. (T)</i>		Very Rare	
	7/10/2013	9:45	Surfc	<i>Dinophysis acuminata (T)</i>		Rare	0.002
	7/10/2013	9:45	Surfc	<i>Prorocentrum micans (B)</i>		Very Rare	
	7/10/2013	9:45	Surfc	<i>Prorocentrum minimum (T)</i>		Rare	0.001
	7/10/2013	9:45	Surfc	<i>Prorocentrum scutellum (B)</i>		Rare	0.001

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Indian River							
<u>Indian River</u>							
IR39: North side of Inlet at Wheelchair fishing platform under new bridge.							
	7/10/2013	9:45	Surfc	<i>Prorocentrum triestinum (B)</i>		Present	0.045
	7/10/2013	9:45	Surfc	<i>Pseudo-nitzschia spp. (T)</i>		Rare	0.001
	7/10/2013	9:45	Surfc	<i>Scrippsiella sp. (B)</i>		Rare	0.001
<u>Vines Creek</u>							
IR38: Vines Lane							
	7/9/2013	7:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/9/2013	7:30	Surfc	<i>Heterosigma akashiwo (T)</i>		Common	0.100
	7/9/2013	7:30	Surfc	<i>Navicula (small) (B*)</i>		Abundant	16.100
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	7/1/2013	8:38	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	7/1/2013	8:38	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.725
	7/1/2013	8:38	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.150
	7/1/2013	8:38	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.338
	7/1/2013	8:38	Surfc	<i>Heterosigma akashiwo (T)</i>		Common	0.125
	7/1/2013	8:38	Surfc	<i>Karlodinium veneficum (T)</i>		Common	0.180
	7/1/2013	8:38	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/1/2013	8:38	Surfc	<i>Prorocentrum minimum (T)</i>		Common	0.100
	7/1/2013	8:38	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/1/2013	8:38	Surfc	<i>Scrippsiella sp. (B)</i>		Common	0.430
	7/8/2013	8:54	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	7/8/2013	8:54	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	1.980
	7/8/2013	8:54	Surfc	<i>Chattonella subsalsa (T)</i>		Abundant	27.500
	7/8/2013	8:54	Surfc	<i>Eutreptiella sp. (B)</i>		Many	1.100
	7/8/2013	8:54	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/8/2013	8:54	Surfc	<i>Heterosigma akashiwo (T)</i>		Many	1.100
	7/8/2013	8:54	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	7/8/2013	8:54	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Common	0.735
	7/8/2013	8:54	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Common	0.685
	7/8/2013	8:54	Surfc	<i>Scrippsiella sp. (B)</i>		Common	0.113
	7/15/2013	8:24	Surfc		No HABs found		
Little Assawoman Bay							
LA45: Fenwick Island Bayside							
	7/9/2013	8:58	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	
	7/9/2013	8:58	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	7/9/2013	8:58	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
<u>Assawoman Canal</u>							
LA10: Assawoman Canal S end, Kent Ave Bridge							
	7/10/2013	7:20	Surfc	<i>Akashiwo sanguinea (T)</i>		Present	
	7/10/2013	7:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Present	

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Little Assawoman Bay							
<u>Assawoman Canal</u>							
LA10: Assawoman Canal S end, Kent Ave Bridge							
	7/10/2013	7:20	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	7/10/2013	7:20	Surfc	<i>Fibrocapsa japonica</i> (T)		Present	
	7/10/2013	7:20	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.110
	7/10/2013	7:20	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	7/8/2013	8:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	7/8/2013	8:05	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/8/2013	8:05	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/8/2013	8:05	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	7/8/2013	8:05	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	7/9/2013	8:15	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.650
	7/9/2013	8:15	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	7/9/2013	8:15	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Common	0.340
<u>Jefferson Creek</u>							
SB10E: Russell Canal east dead end							
	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>Protooperidinium quinquecorne</i> (B)		Present	
	6/25/2013	8:26	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
	7/2/2013	8:00	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Common	0.988
	7/2/2013	8:00	Surfc	<i>Chattonella subsalsa</i> (T)		Many	9.460
	7/2/2013	8:00	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.150
	7/2/2013	8:00	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	7/2/2013	8:00	Surfc	<i>Karlodinium veneficum</i> (T)		Many	1.270
	7/2/2013	8:00	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	7/2/2013	8:00	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Common	0.150
	7/9/2013	8:05	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	1.060
	7/9/2013	8:05	Surfc	<i>Chattonella subsalsa</i> (T)		Common	0.300
	7/9/2013	8:05	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	7/9/2013	8:05	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	7/9/2013	8:05	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	7/9/2013	8:05	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	7/9/2013	8:05	Surfc	<i>Protooperidinium quinquecorne</i> (B)		Present	
SB10W: Russell Canal west dead end							
	6/25/2013	8:44	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/25/2013	8:44	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	

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.

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Little Assawoman Bay							
<u>Jefferson Creek</u>							
SB10W: Russell Canal west dead end							
	6/25/2013	8:44	Surfc	<i>Karlodinium veneficum (T)</i>		Common	0.690
	6/25/2013	8:44	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	6/25/2013	8:44	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	6/25/2013	8:44	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/2/2013	8:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.175
	7/2/2013	8:20	Surfc	<i>Chattonella subsalsa (T)</i>		Many	6.400
	7/2/2013	8:20	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	7/2/2013	8:20	Surfc	<i>Gyrodinium instriatum (B)</i>		Common	0.113
	7/2/2013	8:20	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/2/2013	8:20	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	7/2/2013	8:20	Surfc	<i>Karlodinium veneficum (T)</i>		Common	0.636
	7/2/2013	8:20	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	7/2/2013	8:20	Surfc	<i>Protoperidinium quinquecorne (B)</i>		Present	
	7/9/2013	8:26	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Common	0.140
	7/9/2013	8:26	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.190
	7/9/2013	8:26	Surfc	<i>Gyrodinium instriatum (B)</i>		Present	
	7/9/2013	8:26	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	7/9/2013	8:26	Surfc	<i>Karlodinium veneficum (T)</i>		Common	0.100
	7/9/2013	8:26	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/9/2013	8:26	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
Rehoboth Bay							
RB07: West Bay Park							
	7/9/2013	9:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	7/9/2013	9:30	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
<u>Bald Eagle Creek</u>							
RB64: Torquay Canal, west side of Land's End near UD Site #1							
	7/1/2013	9:20	Surfc	<i>Chattonella cf. verruculosa (T)</i>		Many	3.300
	7/1/2013	9:20	Surfc	<i>Chattonella subsalsa (T)</i>		Abundant	17.800
	7/1/2013	9:20	Surfc	<i>Karlodinium veneficum (T)</i>		Common	0.100
	7/1/2013	9:20	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/1/2013	9:20	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	7/8/2013	11:07	Surfc	" <i>Gymnodinioid</i> " sp. (S)	25-40 um Grn	Present	
	7/8/2013	11:07	Surfc	<i>Chattonella subsalsa (T)</i>		Common	0.775
	7/8/2013	11:07	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	7/8/2013	11:07	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
	7/15/2013	7:40	Surfc		No HABs found		
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	7/17/2013	9:15	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
RB06: Guinea Creek (Winding Creek Village)							

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Rehoboth Bay							
<u>Guinea Creek</u>							
RB06: Guinea Creek (Winding Creek Village)							
	7/9/2013	7:15	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	7/9/2013	6:30	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	7/9/2013	6:30	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
	7/9/2013	6:30	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	7/9/2013	9:55	Surfc	<i>Gyrodinium instriatum (B)</i>		Many	2.675

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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.

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