

Harmful Algae Report

All data between 6/17/2009 and 7/8/2009

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							
	6/22/2009	9:12	Surfc		No HABs found		
Atlantic Ocean							
RWPM8: Cape Henlopen State Park Beach (2)							
	7/6/2009	8:10	Surfc	<i>Chaetoceros spp. (T)</i>		Rare	0.004
	7/6/2009	8:10	Surfc	<i>Dinophysis acuminata (T)</i>		Rare	0.001
	7/6/2009	8:10	Surfc	<i>Prorocentrum minimum (T)</i>		Very Rare	
	7/6/2009	8:10	Surfc	<i>Prorocentrum sp. (T)</i>		Very Rare	
	7/6/2009	8:10	Surfc	<i>Rhizosolenia spp. (T)</i>		Rare	0.001
Broadkill River							
BR01: Broadkill river @ PEL dock.							
	6/17/2009	9:00	Net	<i>Ceratium spp. (T)</i>			
	6/17/2009	9:00	Net	<i>Dinophysis acuminata (T)</i>			
	6/17/2009	9:00	Net	<i>Prorocentrum sp. (T)</i>			
	6/17/2009	9:00	Surfc	<i>Prorocentrum sp. (T)</i>		Present	
	6/24/2009	9:00	Net	" <i>Gymnodinioid</i> " sp. (S)	25-40 um Grn		
	6/24/2009	9:00	Net	<i>Chaetoceros spp. (T)</i>			
	6/24/2009	9:00	Net	<i>Dinophysis acuminata (T)</i>			
	6/24/2009	9:00	Net	<i>Fibrocapsa japonica (T)</i>			
	6/24/2009	9:00	Net	<i>Heterocapsa rotundata (B)</i>			
	6/24/2009	9:00	Net	<i>Prorocentrum gracile (B)</i>			
	6/24/2009	9:00	Net	<i>Prorocentrum minimum (T)</i>			
	6/24/2009	9:00	Net	<i>Prorocentrum sp. (T)</i>			
	6/24/2009	9:00	Net	<i>Rhizosolenia spp. (T)</i>			
	6/24/2009	9:00	Net	<i>Scrippsiella sp. (B)</i>			
	6/24/2009	9:00	Surfc	" <i>Gymnodinioid</i> " sp. (S)	25-40 um Grn	Present	
	6/24/2009	9:00	Surfc	<i>Chaetoceros spp. (T)</i>		Common	0.162
	6/24/2009	9:00	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.225
	6/24/2009	9:00	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/24/2009	9:00	Surfc	<i>Prorocentrum gracile (B)</i>		Present	
	6/24/2009	9:00	Surfc	<i>Prorocentrum minimum (T)</i>		Present	
	7/2/2009	9:00	Net	" <i>Gymnodinioid</i> " sp. (S)	25-40 um Grn		
	7/2/2009	9:00	Net	<i>Chaetoceros spp. (T)</i>			
	7/2/2009	9:00	Net	<i>Dinophysis acuminata (T)</i>			
	7/2/2009	9:00	Net	<i>Ditylum spp. (T)</i>			
	7/2/2009	9:00	Net	<i>Heterocapsa rotundata (B)</i>			
	7/2/2009	9:00	Net	<i>Prorocentrum sp. (T)</i>			

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

09-Jul-09

University of Delaware SGMAS, 700 Pilottown Rd, Lewes, DE 19958 (302) 645-4252

Page 1 of 7

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Broadkill River							
BR01: Broadkill river @ PEL dock.							
	7/2/2009	9:00	Net	<i>Scrippsiella sp. (B)</i>			
	7/2/2009	9:00	Surfc	" <i>Gymnodinioid</i> " <i>sp. (S)</i>	25-40 um Grn	Present	
	7/2/2009	9:00	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	7/8/2009	9:00	Net	<i>Chaetoceros spp. (T)</i>			
	7/8/2009	9:00	Net	<i>Dinophysis acuminata (T)</i>			
	7/8/2009	9:00	Net	<i>Ditylum spp. (T)</i>			
	7/8/2009	9:00	Net	<i>Karlodinium veneficum (T)</i>			
	7/8/2009	9:00	Net	<i>Prorocentrum gracile (B)</i>			
	7/8/2009	9:00	Surfc	<i>Chaetoceros spp. (T)</i>		Common	0.275
	7/8/2009	9:00	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
BR20: Broadkill River at Milton tidal pond							
	6/24/2009	9:15	Surfc		No HABs found		
<u>Old Mill Creek</u>							
BR21: Old Mill Creek downstream from Red Mill Pond							
	6/25/2009	12:55	Surfc		No HABs found		
Delaware Bay							
DB01: End of Cape Shores pier							
	6/23/2009	10:27	Surfc	<i>Chaetoceros spp. (T)</i>		Present	0.080
	6/23/2009	10:27	Surfc	<i>Prorocentrum gracile (B)</i>		Present	0.076
	6/23/2009	10:27	Surfc	<i>Prorocentrum sp. (T)</i>		Rare	0.003
	6/23/2009	10:27	Surfc	<i>Rhizosolenia spp. (T)</i>		Rare	0.005
<u>Canary Creek</u>							
BR19: Canary Creek at New Road							
	6/24/2009	14:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
BR40: Canary Creek at Pilottown Rd							
	6/24/2009	8:40	Surfc	<i>Fibrocapsa japonica (T)</i>		Present	
	6/24/2009	8:40	Surfc	<i>Heterocapsa rotundata (B)</i>		Common	0.212
	6/24/2009	8:40	Surfc	<i>Heterocapsa triquetra (B)</i>		Present	
	6/24/2009	8:40	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	6/24/2009	8:40	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/24/2009	8:40	Surfc	<i>Prorocentrum gracile (B)</i>		Common	0.150
Indian River							
<u>Assawoman Canal</u>							
IR50: Assawoman Canal at N end, marina dock							
	6/23/2009	7:30	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/23/2009	7:30	Surfc	<i>Karlodinium veneficum (T)</i>		Present	
	6/23/2009	7:30	Surfc	<i>Scrippsiella sp. (B)</i>		Present	
<u>Bethany Loop Canal</u>							
IR62: Loop Canal, Pa Ave terminus, Bethany Beach							
	6/22/2009	8:06	Surfc	<i>Chattonella subsalsa (T)</i>		Present	
<u>Indian River</u>							

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Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Indian River							
<u>Indian River</u>							
IR04: Warwick Cove	6/22/2009	9:20	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/22/2009	9:20	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
IR07: Holt's Landing State Park	6/23/2009	7:51	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
IR11: Pot Nets Seaside Pier	6/22/2009	11:20	Surfc		No HABs found		
IR20: Bay Colony	6/23/2009	8:10	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/23/2009	8:10	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/23/2009	8:10	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
IR21: Entrance to Boat House Pond, Indian River Bay	6/22/2009	7:45	Surfc	<i>Chaetoceros</i> spp. (T)		Present	
	6/22/2009	7:45	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/22/2009	7:45	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
IR36B: James Farm, Pasture Point	6/23/2009	9:00	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
IR39: North side of Inlet at Wheelchair fishing platform under new bridge.	6/22/2009	8:22	Surfc	<i>Ceratium</i> spp. (T)		Very Rare	
	6/22/2009	8:22	Surfc	<i>Chaetoceros</i> spp. (T)		Present	0.057
	6/22/2009	8:22	Surfc	<i>Dinophysis acuminata</i> (T)		Very Rare	
	6/22/2009	8:22	Surfc	<i>Heterosigma akashiwo</i> (T)		Rare	0.001
	6/22/2009	8:22	Surfc	<i>Prorocentrum gracile</i> (B)		Rare	0.005
	6/22/2009	8:22	Surfc	<i>Prorocentrum micans</i> (B)		Very Rare	
	6/22/2009	8:22	Surfc	<i>Prorocentrum minimum</i> (T)		Very Rare	
	6/22/2009	8:22	Surfc	<i>Prorocentrum</i> sp. (T)		Rare	0.004
	6/22/2009	8:22	Surfc	<i>Pseudo-nitzschia</i> spp. (T)		Present	0.012
	6/22/2009	8:22	Surfc	<i>Rhizosolenia</i> spp. (T)		Rare	0.005
	7/6/2009	7:27	Surfc	<i>Akashiwo sanguineum</i> (B)		Very Rare	
	7/6/2009	7:27	Surfc	<i>Chaetoceros</i> spp. (T)		Very Rare	
	7/6/2009	7:27	Surfc	<i>Dinophysis acuminata</i> (T)		Rare	0.001
	7/6/2009	7:27	Surfc	<i>Prorocentrum gracile</i> (B)		Rare	0.002
	7/6/2009	7:27	Surfc	<i>Prorocentrum micans</i> (B)		Rare	0.001
	7/6/2009	7:27	Surfc	<i>Prorocentrum minimum</i> (T)		Rare	0.002
	7/6/2009	7:27	Surfc	<i>Prorocentrum</i> sp. (T)		Rare	0.002
	7/6/2009	7:27	Surfc	<i>Pseudo-nitzschia</i> spp. (T)		Very Rare	
	7/6/2009	7:27	Surfc	<i>Rhizosolenia</i> spp. (T)		Rare	0.001
<u>Vines Creek</u>							
IR38: Vines Lane	6/23/2009	7:30	Net	<i>Akashiwo sanguineum</i> (B)			
	6/23/2009	7:30	Net	<i>Protoperdinium quinquecorne</i> (B)			
	6/23/2009	7:30	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	

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Indian River							
<u>Vines Creek</u>							
IR38: Vines Lane							
	6/23/2009	7:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Common	0.430
	6/23/2009	7:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.170
	6/23/2009	7:30	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	6/23/2009	7:30	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	6/30/2009	7:30	Net	<i>Prorocentrum minimum</i> (T)			
	6/30/2009	7:30	Surfc	<i>Akashiwo sanguineum</i> (B)		Common	0.480
	6/30/2009	7:30	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	6/30/2009	7:30	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	6/30/2009	7:30	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	6/30/2009	7:30	Surfc	<i>Scrippsiella sp.</i> (B)		Common	0.110
	7/7/2009	7:30	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	7/7/2009	7:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Many	2.490
	7/7/2009	7:30	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	7/7/2009	7:30	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	7/7/2009	7:30	Surfc	<i>Scrippsiella sp.</i> (B)		Common	0.110
<u>White Creek</u>							
IR32: Holly Terrace Acres Canal Dead End, White Creek							
	6/23/2009	8:50	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/23/2009	8:50	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	6/23/2009	8:50	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/23/2009	8:50	Surfc	<i>Heterocapsa triquetra</i> (B)		Present	
	6/23/2009	8:50	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Present	
	6/23/2009	8:50	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
	6/25/2009	11:40	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/25/2009	11:40	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Many	2.350
	6/25/2009	11:40	Surfc	<i>Chattonella subsalsa</i> (T)		Present	
	6/25/2009	11:40	Surfc	<i>Gyrodinium instriatum</i> (B)		Many	9.830
	6/25/2009	11:40	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/25/2009	11:40	Surfc	<i>Heterosigma akashiwo</i> (T)		Abundant	10.850
	6/25/2009	11:40	Surfc	<i>Karlodinium veneficum</i> (T)		Common	0.350
	6/25/2009	11:40	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Many	1.170
	6/25/2009	11:40	Surfc	<i>Prorocentrum minimum</i> (T)		Many	1.610
	6/25/2009	11:40	Surfc	<i>Protoperidinium quinquecorne</i> (B)		Common	0.150
	6/25/2009	11:40	Surfc	<i>Scrippsiella sp.</i> (B)		Common	0.210
Little Assawoman Bay							
LA45: Fenwick Island Bayside							
	6/22/2009	7:54	Surfc	<i>Chaetoceros spp.</i> (T)		Present	
	6/22/2009	7:54	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	6/22/2009	7:54	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
	6/22/2009	7:54	Surfc	<i>Prorocentrum minimum</i> (T)		Present	

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Little Assawoman Bay							
<u>Assawoman Canal</u>							
LA10: Assawoman Canal @ Kent Ave Bridge							
	6/22/2009	7:30	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	6/22/2009	7:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/22/2009	7:30	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	6/22/2009	7:30	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
<u>Dirickson Creek</u>							
LA03: Mulberry Landing							
	6/22/2009	8:05	Surfc	<i>Akashiwo sanguineum</i> (B)		Present	
	6/22/2009	8:05	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
LA09: Dirickson Creek at Road 381 bridge.							
	6/22/2009	9:40	Surfc	(Unknown) (B*)	5-15 um Clr trdrp	Abundant	22.000
	6/22/2009	9:40	Surfc	(Unknown) (B*)	<10 um oval clr flag	Abundant	44.000
	6/22/2009	9:40	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	6/22/2009	9:40	Surfc	<i>Prorocentrum sp.</i> (T)		Present	
<u>Jefferson Creek</u>							
SB10E: Russell Canal east dead end							
	6/23/2009	8:15	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	6/23/2009	8:15	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/23/2009	8:15	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
SB10W: Russell Canal west dead end							
	6/23/2009	8:36	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	6/23/2009	8:36	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/23/2009	8:36	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
Rehoboth Bay							
ML: Massey's Landing							
	6/22/2009	11:40	Surfc		No HABs found		
RB07: West Bay Park							
	6/23/2009	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
<u>Bald Eagle Creek</u>							
RB46: Torquay Canal at East bulkhead on Land's End.							
	6/22/2009	8:51	Surfc	<i>Chattonella cf. verruculosa</i> (T)		Present	
	6/22/2009	8:51	Surfc	<i>Chattonella subsalsa</i> (T)		Abundant	17.800
	6/22/2009	8:51	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/22/2009	8:51	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	6/22/2009	8:51	Surfc	<i>Protopeiridium quinquecorne</i> (B)		Present	
<u>Guinea Creek</u>							
RB05: Mouth of Guinea Creek (Pot Nets Creekside)							
	6/22/2009	11:57	Surfc		No HABs found		
RB06: Guinea Creek (Winding Creek Village)							
	6/22/2009	9:30	Surfc	" <i>Gymnodinioid</i> " sp. (S)	25-40 um Grn	Present	
	6/22/2009	9:30	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	6/22/2009	9:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	

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Rehoboth Bay							
<u>Guinea Creek</u>							
RB06: Guinea Creek (Winding Creek Village)							
	6/22/2009	9:30	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	6/22/2009	9:30	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
<u>Herring Creek</u>							
RB04: Herring Creek, Mid-Section							
	6/24/2009	8:55	Surfc	<i>Gyrodinium instriatum</i> (B)		Present	
	6/24/2009	8:55	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	6/24/2009	8:55	Surfc	<i>Heterosigma akashiwo</i> (T)		Present	
	6/24/2009	8:55	Surfc	<i>Kryptoperidinium foliaceum</i> (B)		Present	
<u>Lewes - Rehoboth Canal</u>							
RB02: Lewes - Rehoboth Canal at Lewes							
	6/23/2009	8:25	Net	" <i>Gymnodinioid</i> " sp. (S)	25-40 um Grn		
	6/23/2009	8:25	Net	<i>Chaetoceros spp.</i> (T)			
	6/23/2009	8:25	Net	<i>Dinophysis acuminata</i> (T)			
	6/23/2009	8:25	Net	<i>Fibrocapsa japonica</i> (T)			
	6/23/2009	8:25	Net	<i>Heterocapsa rotundata</i> (B)			
	6/23/2009	8:25	Net	<i>Karlodinium veneficum</i> (T)			
	6/23/2009	8:25	Net	<i>Prorocentrum gracile</i> (B)			
	6/23/2009	8:25	Net	<i>Prorocentrum sp.</i> (T)			
	6/23/2009	8:25	Net	<i>Rhizosolenia spp.</i> (T)			
	6/23/2009	8:25	Surfc	" <i>Gymnodinioid</i> " sp. (S)	25-40 um Grn	Present	
	6/23/2009	8:25	Surfc	<i>Heterocapsa rotundata</i> (B)		Common	0.262
	6/23/2009	8:25	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	6/23/2009	8:25	Surfc	<i>Prorocentrum gracile</i> (B)		Present	
	6/23/2009	8:25	Surfc	<i>Prorocentrum minimum</i> (T)		Present	
	7/1/2009	8:30	Net	" <i>Gymnodinioid</i> " sp. (S)	25-40 um Grn		
	7/1/2009	8:30	Net	<i>Chaetoceros spp.</i> (T)			
	7/1/2009	8:30	Net	<i>Ditylum spp.</i> (T)			
	7/1/2009	8:30	Net	<i>Fibrocapsa japonica</i> (T)			
	7/1/2009	8:30	Net	<i>Heterocapsa rotundata</i> (B)			
	7/1/2009	8:30	Net	<i>Heterosigma akashiwo</i> (T)			
	7/1/2009	8:30	Net	<i>Prorocentrum minimum</i> (T)			
	7/1/2009	8:30	Net	<i>Prorocentrum sp.</i> (T)			
	7/1/2009	8:30	Net	<i>Scrippsiella sp.</i> (B)			
	7/1/2009	8:30	Surfc	<i>Chaetoceros spp.</i> (T)		Present	
	7/1/2009	8:30	Surfc	<i>Ditylum spp.</i> (T)		Present	
	7/1/2009	8:30	Surfc	<i>Heterocapsa rotundata</i> (B)		Present	
	7/1/2009	8:30	Surfc	<i>Karlodinium veneficum</i> (T)		Present	
	7/1/2009	8:30	Surfc	<i>Scrippsiella sp.</i> (B)		Present	
	7/7/2009	8:30	Net		No HABs found		
	7/7/2009	8:30	Surfc		No HABs found		

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

Water Body Tributary Site	Date	Time	Smpl Dpth	Name	Comment if ID uncertain	Abundance	MC/L
Rehoboth Bay							
<u>Love Creek</u>							
RB34: Love Creek at Rt 24 Bridge							
	6/22/2009	9:11	Surfc	<i>Gyrodinium instriatum (B)</i>		Many	5.900
	6/22/2009	9:11	Surfc	<i>Heterosigma akashiwo (T)</i>		Present	
	****Fish Kill****	6/29/2009	7:55	Surfc	<i>Akashiwo sanguineum (B)</i>	Present	
	6/29/2009	7:55	Surfc	<i>Gyrodinium instriatum (B)</i>		Many	1.950
	6/29/2009	7:55	Surfc	<i>Heterocapsa rotundata (B)</i>		Present	
	6/29/2009	7:55	Surfc	<i>Kryptoperidinium foliaceum (B)</i>		Present	
Wagamon's Pond							
BR44: Wagamon's Pond, Milton							
	6/24/2009	7:00	Surfc	<i>Lyngbya (T)</i>		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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