

Harmful Algae Report

All data between 8/5/2010 and 8/18/2010

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 | | | | | | | |
| | 8/10/2010 | 8:20 | Surfc | <i>Akashiwo sanguinea</i> (T) | | Present | |
| | 8/10/2010 | 8:20 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Common | 0.175 |
| | 8/10/2010 | 8:20 | Surfc | <i>Karlodinium veneficum</i> (T) | | Common | 0.125 |
| | 8/10/2010 | 8:20 | Surfc | <i>Kryptoperidinium foliaceum</i> (B) | | Present | |
| | 8/10/2010 | 8:20 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| | 8/10/2010 | 8:20 | Surfc | <i>Prorocentrum triestinum</i> (B) | | Present | |
| | 8/10/2010 | 8:20 | Surfc | <i>Protoperidinium quinquecorne</i> (B) | | Present | |
| Atlantic Ocean | | | | | | | |
| RWPM14: Tower Rd Ocean, Delaware Seashore State Park | | | | | | | |
| | 8/17/2010 | 9:30 | Surfc | <i>Chaetoceros</i> spp. (T) | | Present | 0.020 |
| | 8/17/2010 | 9:30 | Surfc | <i>Ditylum</i> spp. (T) | | Rare | 0.001 |
| | 8/17/2010 | 9:30 | Surfc | <i>Prorocentrum micans</i> (B) | | Very Rare | |
| | 8/17/2010 | 9:30 | Surfc | <i>Prorocentrum scutellum</i> (B) | | Very Rare | |
| | 8/17/2010 | 9:30 | Surfc | <i>Prorocentrum triestinum</i> (B) | | Very Rare | |
| | 8/17/2010 | 9:30 | Surfc | <i>Pseudo-nitzschia</i> spp. (T) | | Rare | 0.005 |
| | 8/17/2010 | 9:30 | Surfc | <i>Rhizosolenia</i> spp. (T) | | Very Rare | |
| | 8/17/2010 | 9:30 | Surfc | <i>Scrippsiella</i> sp. (B) | | Very Rare | |
| RWPM8: Cape Henlopen State Park Beach (2) | | | | | | | |
| | 8/10/2010 | 8:15 | Surfc | <i>Chaetoceros</i> spp. (T) | | Present | 0.073 |
| | 8/10/2010 | 8:15 | Surfc | <i>Prorocentrum minimum</i> (T) | | Very Rare | |
| | 8/10/2010 | 8:15 | Surfc | <i>Prorocentrum scutellum</i> (B) | | Rare | 0.001 |
| | 8/10/2010 | 8:15 | Surfc | <i>Prorocentrum triestinum</i> (B) | | Rare | 0.001 |
| | 8/10/2010 | 8:15 | Surfc | <i>Pseudo-nitzschia</i> spp. (T) | | Present | 0.035 |
| | 8/10/2010 | 8:15 | Surfc | <i>Rhizosolenia</i> spp. (T) | | Rare | 0.002 |
| RWPMIV: Fenwick Island State Park | | | | | | | |
| | 8/17/2010 | 8:25 | Surfc | <i>Ceratium pentagonum</i> (B) | | Very Rare | |
| | 8/17/2010 | 8:25 | Surfc | <i>Chaetoceros</i> spp. (T) | | Present | 0.072 |
| | 8/17/2010 | 8:25 | Surfc | <i>Dinophysis acuminata</i> (T) | | Very Rare | |
| | 8/17/2010 | 8:25 | Surfc | <i>Ditylum</i> spp. (T) | | Very Rare | |
| | 8/17/2010 | 8:25 | Surfc | <i>Prorocentrum minimum</i> (T) | | Very Rare | |
| | 8/17/2010 | 8:25 | Surfc | <i>Prorocentrum scutellum</i> (B) | | Rare | 0.001 |
| | 8/17/2010 | 8:25 | Surfc | <i>Prorocentrum triestinum</i> (B) | | Rare | 0.002 |
| | 8/17/2010 | 8:25 | Surfc | <i>Pseudo-nitzschia</i> spp. (T) | | Rare | 0.006 |
| | 8/17/2010 | 8:25 | Surfc | <i>Rhizosolenia</i> spp. (T) | | Very Rare | |

Broadkill River

BR01: Broadkill river @ PEL dock.

8/11/2010 10:55 Net *Ceratium fusus* (B)

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 |
|--|-----------|-------|--------------|--|----------------------------|---------------|---------|
| Broadkill River | | | | | | | |
| BR01: Broadkill river @ PEL dock. | | | | | | | |
| | 8/11/2010 | 10:55 | Net | <i>Ceratium pentagonum (B)</i> | | | |
| | 8/11/2010 | 10:55 | Net | <i>Chaetoceros spp. (T)</i> | | | |
| | 8/11/2010 | 10:55 | Net | <i>Fibrocapsa japonica (T)</i> | | | |
| | 8/11/2010 | 10:55 | Net | <i>Heterocapsa rotundata (B)</i> | | | |
| | 8/11/2010 | 10:55 | Net | <i>Karlodinium veneficum (T)</i> | | | |
| | 8/11/2010 | 10:55 | Net | <i>Prorocentrum micans (B)</i> | | | |
| | 8/11/2010 | 10:55 | Net | <i>Prorocentrum scutellum (B)</i> | | | |
| | 8/11/2010 | 10:55 | Net | <i>Pseudo-nitzschia spp. (T)</i> | | | |
| | 8/11/2010 | 10:55 | Net | <i>Rhizosolenia spp. (T)</i> | | | |
| | 8/11/2010 | 10:55 | Surfc | " <i>Gymnodinioid</i> " sp. (S) | 25-40 um Grn | Present | |
| | 8/11/2010 | 10:55 | Surfc | <i>Chaetoceros spp. (T)</i> | | Present | |
| | 8/11/2010 | 10:55 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/11/2010 | 10:55 | Surfc | <i>Rhizosolenia spp. (T)</i> | | Present | |
| BR20: Broadkill River at Milton tidal pond | | | | | | | |
| | 8/11/2010 | 11:28 | Surfc | <i>Microcystis spp. (T)</i> | | Many | 1.500 |
| <u>Old Mill Creek</u> | | | | | | | |
| BR21: Old Mill Creek downstream from Red Mill Pond | | | | | | | |
| | 8/11/2010 | 12:42 | Surfc | <i>Heterosigma akashiwo (T)</i> | | Present | |
| | 8/11/2010 | 12:42 | Surfc | <i>Rhizosolenia spp. (T)</i> | | Present | |
| <u>Prime Hook Creek</u> | | | | | | | |
| BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters | | | | | | | |
| | 8/11/2010 | 12:10 | Surfc | <i>Amphidinium spp. (T)</i> | | Common | |
| | 8/11/2010 | 12:10 | Surfc | <i>Anabaena spp. (T)</i> | | Very Abundant | 326.000 |
| | 8/11/2010 | 12:10 | Surfc | <i>Chattonella subsalsa (T)</i> | | Present | |
| | 8/11/2010 | 12:10 | Surfc | <i>Karlodinium veneficum (T)</i> | | Many | 7.700 |
| | 8/11/2010 | 12:10 | Surfc | <i>Kryptoperidinium foliaceum (B)</i> | | Common | 0.140 |
| | 8/11/2010 | 12:10 | Surfc | <i>Prymnesium sp. (T)</i> | | Very Abundant | 642.000 |
| Delaware Bay | | | | | | | |
| DB01: End of Cape Shores pier | | | | | | | |
| | 8/9/2010 | 10:02 | Surfc | <i>Chaetoceros spp. (T)</i> | | Common | 0.250 |
| | 8/9/2010 | 10:02 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/9/2010 | 10:02 | Surfc | <i>Karlodinium veneficum (T)</i> | | Present | |
| | 8/9/2010 | 10:02 | Surfc | <i>Rhizosolenia spp. (T)</i> | | Present | |
| | 8/17/2010 | 10:17 | Surfc | <i>Karlodinium veneficum (T)</i> | | Present | |
| | 8/17/2010 | 10:17 | Surfc | <i>Prorocentrum triestinum (B)</i> | | Present | |
| <u>Canary Creek</u> | | | | | | | |
| BR19: Canary Creek at New Road | | | | | | | |
| | 8/12/2010 | 15:30 | Surfc | <i>Chattonella cf. verruculosa (T)</i> | | Present | |
| | 8/12/2010 | 15:30 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/12/2010 | 15:30 | Surfc | <i>Heterosigma akashiwo (T)</i> | | Present | |
| | 8/12/2010 | 15:30 | Surfc | <i>Karlodinium veneficum (T)</i> | | Common | 0.100 |
| | 8/12/2010 | 15:30 | Surfc | <i>Kryptoperidinium foliaceum (B)</i> | | Present | |

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|--|-----------|-------|--------------|---|----------------------------|-----------|-------|
| Delaware Bay | | | | | | | |
| <u>Canary Creek</u> | | | | | | | |
| BR40: Canary Creek at Pilottown Rd | | | | | | | |
| | 8/10/2010 | 9:35 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| | 8/10/2010 | 9:35 | Surfc | <i>Rhizosolenia spp.</i> (T) | | Present | |
| Indian River | | | | | | | |
| <u>Assawoman Canal</u> | | | | | | | |
| IR50: Assawoman Canal at N end, marina dock | | | | | | | |
| | 8/10/2010 | 8:06 | Surfc | <i>Chattonella cf. verruculosa</i> (T) | | Present | |
| | 8/10/2010 | 8:06 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| <u>Bethany Loop Canal</u> | | | | | | | |
| IR62: Loop Canal, Pa Ave terminus, Bethany Beach | | | | | | | |
| | 8/9/2010 | 7:32 | Surfc | <i>Chattonella subsalsa</i> (T) | | Present | |
| | 8/9/2010 | 7:32 | Surfc | <i>Fibrocapsa japonica</i> (T) | | Common | 0.300 |
| | 8/9/2010 | 7:32 | Surfc | <i>Gyrodinium instriatum</i> (B) | | Common | 0.110 |
| | 8/9/2010 | 7:32 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Common | 0.100 |
| | 8/9/2010 | 7:32 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| | 8/9/2010 | 7:32 | Surfc | <i>Kryptoperidinium foliaceum</i> (B) | | Present | |
| | 8/9/2010 | 7:32 | Surfc | <i>Prorocentrum scutellum</i> (B) | | Present | |
| | 8/9/2010 | 7:32 | Surfc | <i>Scrippsiella sp.</i> (B) | | Present | |
| <u>Indian River</u> | | | | | | | |
| IR04: Warwick Cove | | | | | | | |
| | 8/9/2010 | 9:56 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| IR07: Holt's Landing State Park | | | | | | | |
| | 8/10/2010 | 8:26 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| | 8/10/2010 | 8:26 | Surfc | <i>Heterosigma akashiwo</i> (T) | | Present | |
| | 8/10/2010 | 8:26 | Surfc | <i>Kryptoperidinium foliaceum</i> (B) | | Present | |
| IR11: Pot Nets Seaside Pier | | | | | | | |
| | 8/9/2010 | 11:17 | Surfc | | No HABs found | | |
| IR20: Bay Colony | | | | | | | |
| | 8/9/2010 | 7:50 | Surfc | <i>Akashiwo sanguinea</i> (T) | | Present | |
| | 8/9/2010 | 7:50 | Surfc | <i>Chattonella cf. verruculosa</i> (T) | | Present | |
| | 8/9/2010 | 7:50 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| | 8/9/2010 | 7:50 | Surfc | <i>Karlodinium veneficum</i> (T) | | Common | 0.110 |
| | 8/9/2010 | 7:50 | Surfc | <i>Kryptoperidinium foliaceum</i> (B) | | Common | 0.110 |
| IR36B: James Farm, Pasture Point By Boat | | | | | | | |
| | 8/10/2010 | 8:20 | Surfc | <i>Chaetoceros spp.</i> (T) | | Common | 0.300 |
| | 8/10/2010 | 8:20 | Surfc | <i>Chattonella cf. verruculosa</i> (T) | | Present | |
| | 8/10/2010 | 8:20 | Surfc | <i>Fibrocapsa japonica</i> (T) | | Present | |
| | 8/10/2010 | 8:20 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| | 8/10/2010 | 8:20 | Surfc | <i>Protoperidinium quinquecorne</i> (B) | | Present | |
| IR39: North side of Inlet at Wheelchair fishing platform under new bridge. | | | | | | | |
| | 8/10/2010 | 10:10 | Surfc | <i>Amphidinium spp.</i> (T) | | Rare | 0.005 |
| | 8/10/2010 | 10:10 | Surfc | <i>Ceratium pentagonum</i> (B) | | Very Rare | |

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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> | | | | | | | |
| IR39: North side of Inlet at Wheelchair fishing platform under new bridge. | | | | | | | |
| | 8/10/2010 | 10:10 | Surfc | <i>Chaetoceros spp. (T)</i> | | Present | 0.073 |
| | 8/10/2010 | 10:10 | Surfc | <i>Dinophysis acuminata (T)</i> | | Very Rare | |
| | 8/10/2010 | 10:10 | Surfc | <i>Ditylum spp. (T)</i> | | Very Rare | |
| | 8/10/2010 | 10:10 | Surfc | <i>Prorocentrum minimum (T)</i> | | Rare | 0.001 |
| | 8/10/2010 | 10:10 | Surfc | <i>Prorocentrum scutellum (B)</i> | | Rare | 0.003 |
| | 8/10/2010 | 10:10 | Surfc | <i>Prorocentrum triestinum (B)</i> | | Present | 0.022 |
| | 8/10/2010 | 10:10 | Surfc | <i>Pseudo-nitzschia spp. (T)</i> | | Present | 0.029 |
| | 8/10/2010 | 10:10 | Surfc | <i>Rhizosolenia spp. (T)</i> | | Rare | 0.001 |
| | 8/10/2010 | 10:10 | Surfc | <i>Scrippsiella sp. (B)</i> | | Very Rare | |
| <u>Vines Creek</u> | | | | | | | |
| IR38: Vines Lane | | | | | | | |
| | 8/10/2010 | 8:00 | Surfc | <i>Akashiwo sanguinea (T)</i> | | Present | |
| | 8/10/2010 | 8:00 | Surfc | <i>Chattonella cf. verruculosa (T)</i> | | Present | |
| | 8/10/2010 | 8:00 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/10/2010 | 8:00 | Surfc | <i>Karlodinium veneficum (T)</i> | | Present | |
| <u>White Creek</u> | | | | | | | |
| IR32: Holly Terrace Acres Canal Dead End, White Creek | | | | | | | |
| | 8/9/2010 | 9:15 | Surfc | <i>Chattonella subsalsa (T)</i> | | Present | |
| | 8/9/2010 | 9:15 | Surfc | <i>Fibrocapsa japonica (T)</i> | | Present | |
| | 8/9/2010 | 9:15 | Surfc | <i>Gyrodinium instriatum (B)</i> | | Present | |
| | 8/9/2010 | 9:15 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/9/2010 | 9:15 | Surfc | <i>Heterosigma akashiwo (T)</i> | | Present | |
| | 8/9/2010 | 9:15 | Surfc | <i>Karlodinium veneficum (T)</i> | | Present | |
| | 8/9/2010 | 9:15 | Surfc | <i>Kryptoperidinium foliaceum (B)</i> | | Present | |
| | 8/9/2010 | 9:15 | Surfc | <i>Protooperidinium quinquecorne (B)</i> | | Present | |
| | 8/9/2010 | 9:20 | Surfc | <i>Chattonella cf. verruculosa (T)</i> | | Present | |
| | 8/9/2010 | 9:20 | Surfc | <i>Fibrocapsa japonica (T)</i> | | Present | |
| | 8/9/2010 | 9:20 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/9/2010 | 9:20 | Surfc | <i>Heterosigma akashiwo (T)</i> | | Present | |
| | 8/9/2010 | 9:20 | Surfc | <i>Karlodinium veneficum (T)</i> | | Common | 0.120 |
| | 8/9/2010 | 9:20 | Surfc | <i>Kryptoperidinium foliaceum (B)</i> | | Present | |
| | 8/9/2010 | 9:20 | Surfc | <i>Protooperidinium quinquecorne (B)</i> | | Common | 0.150 |
| | 8/16/2010 | 8:20 | Surfc | <i>Chattonella subsalsa (T)</i> | | Present | |
| | 8/16/2010 | 8:20 | Surfc | <i>Fibrocapsa japonica (T)</i> | | Common | 0.975 |
| | 8/16/2010 | 8:20 | Surfc | <i>Gyrodinium instriatum (B)</i> | | Present | |
| | 8/16/2010 | 8:20 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/16/2010 | 8:20 | Surfc | <i>Heterosigma akashiwo (T)</i> | | Present | |
| | 8/16/2010 | 8:20 | Surfc | <i>Karlodinium veneficum (T)</i> | | Common | 0.125 |
| | 8/16/2010 | 8:20 | Surfc | <i>Kryptoperidinium foliaceum (B)</i> | | Present | |
| | 8/16/2010 | 8:20 | Surfc | <i>Protooperidinium quinquecorne (B)</i> | | Present | |

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| Water Body Tributary Site | Date | Time | Smpl Dpth | Name | Comment if ID uncertain | Abundance | MC/L |
|---|-----------|-------|--------------|--|----------------------------|-----------|--------|
| Indian River | | | | | | | |
| <u>White Creek</u> | | | | | | | |
| IR32: Holly Terrace Acres Canal Dead End, White Creek | | | | | | | |
| | 8/17/2010 | 12:30 | Surfc | <i>Chattonella cf. verruculosa (T)</i> | | Present | |
| | 8/17/2010 | 12:30 | Surfc | <i>Chattonella subsalsa (T)</i> | | Present | |
| | 8/17/2010 | 12:30 | Surfc | <i>Fibrocapsa japonica (T)</i> | | Many | 9.700 |
| | 8/17/2010 | 12:30 | Surfc | <i>Heterosigma akashiwo (T)</i> | | Present | |
| | 8/17/2010 | 12:30 | Surfc | <i>Karlodinium veneficum (T)</i> | | Common | 0.140 |
| Little Assawoman Bay | | | | | | | |
| LA45: Fenwick Island Bayside | | | | | | | |
| | 8/10/2010 | 8:10 | Surfc | <i>Karlodinium veneficum (T)</i> | | Present | |
| <u>Assawoman Canal</u> | | | | | | | |
| LA10: Assawoman Canal @ Kent Ave Bridge | | | | | | | |
| | 8/9/2010 | 7:16 | Surfc | <i>Akashiwo sanguinea (T)</i> | | Present | |
| | 8/9/2010 | 7:16 | Surfc | <i>Chattonella cf. verruculosa (T)</i> | | Present | |
| | 8/9/2010 | 7:16 | Surfc | <i>Chattonella subsalsa (T)</i> | | Present | |
| | 8/9/2010 | 7:16 | Surfc | <i>Fibrocapsa japonica (T)</i> | | Present | |
| | 8/9/2010 | 7:16 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/9/2010 | 7:16 | Surfc | <i>Heterosigma akashiwo (T)</i> | | Present | |
| | 8/9/2010 | 7:16 | Surfc | <i>Karlodinium veneficum (T)</i> | | Present | |
| | 8/9/2010 | 7:16 | Surfc | <i>Prorocentrum triestinum (B)</i> | | Present | |
| <u>Dirickson Creek</u> | | | | | | | |
| LA03: Mulberry Landing | | | | | | | |
| | 8/9/2010 | 8:12 | Surfc | <i>Chattonella cf. verruculosa (T)</i> | | Present | |
| | 8/9/2010 | 8:12 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/9/2010 | 8:12 | Surfc | <i>Karlodinium veneficum (T)</i> | | Common | 0.130 |
| | 8/9/2010 | 8:12 | Surfc | <i>Kryptoperidinium foliaceum (B)</i> | | Present | |
| | 8/9/2010 | 8:12 | Surfc | <i>Prorocentrum minimum (T)</i> | | Present | |
| LA09: Dirickson Creek at Road 381 bridge. | | | | | | | |
| | 8/9/2010 | 8:45 | Surfc | <i>Chattonella subsalsa (T)</i> | | Abundant | 31.200 |
| | 8/9/2010 | 8:45 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/9/2010 | 8:45 | Surfc | <i>Heterosigma akashiwo (T)</i> | | Present | |
| | 8/9/2010 | 8:45 | Surfc | <i>Karlodinium veneficum (T)</i> | | Present | |
| | 8/9/2010 | 8:45 | Surfc | <i>Kryptoperidinium foliaceum (B)</i> | | Present | |
| <u>Jefferson Creek</u> | | | | | | | |
| SB10E: Russell Canal east dead end | | | | | | | |
| | 8/10/2010 | 8:17 | Surfc | <i>Chattonella cf. verruculosa (T)</i> | | Present | |
| | 8/10/2010 | 8:17 | Surfc | <i>Chattonella subsalsa (T)</i> | | Present | |
| | 8/10/2010 | 8:17 | Surfc | <i>Fibrocapsa japonica (T)</i> | | Many | 3.700 |
| | 8/10/2010 | 8:17 | Surfc | <i>Gyrodinium instriatum (B)</i> | | Present | |
| | 8/10/2010 | 8:17 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 8/10/2010 | 8:17 | Surfc | <i>Karlodinium veneficum (T)</i> | | Present | |
| | 8/17/2010 | 7:50 | Surfc | <i>Chattonella cf. verruculosa (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>Jefferson Creek</u> | | | | | | | |
| SB10E: Russell Canal east dead end | | | | | | | |
| | 8/17/2010 | 7:50 | Surfc | <i>Fibrocapsa japonica</i> (T) | | Present | |
| | 8/17/2010 | 7:50 | Surfc | <i>Gyrodinium instriatum</i> (B) | | Present | |
| | 8/17/2010 | 7:50 | Surfc | <i>Heterosigma akashiwo</i> (T) | | Present | |
| | 8/17/2010 | 7:50 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| | 8/17/2010 | 7:50 | Surfc | <i>Kryptoperidinium foliaceum</i> (B) | | Present | |
| SB10W: Russell Canal west dead end | | | | | | | |
| | 8/10/2010 | 8:42 | Surfc | <i>Chattonella cf. verruculosa</i> (T) | | Present | |
| | 8/10/2010 | 8:42 | Surfc | <i>Chattonella subsalsa</i> (T) | | Common | 0.138 |
| | 8/10/2010 | 8:42 | Surfc | <i>Fibrocapsa japonica</i> (T) | | Common | 0.425 |
| | 8/10/2010 | 8:42 | Surfc | <i>Gyrodinium instriatum</i> (B) | | Present | |
| | 8/10/2010 | 8:42 | Surfc | <i>Heterosigma akashiwo</i> (T) | | Present | |
| | 8/10/2010 | 8:42 | Surfc | <i>Karlodinium veneficum</i> (T) | | Common | 0.200 |
| | 8/17/2010 | 8:05 | Surfc | <i>Chattonella cf. verruculosa</i> (T) | | Present | |
| | 8/17/2010 | 8:05 | Surfc | <i>Fibrocapsa japonica</i> (T) | | Present | |
| | 8/17/2010 | 8:05 | Surfc | <i>Gyrodinium instriatum</i> (B) | | Present | |
| | 8/17/2010 | 8:05 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| Rehoboth Bay | | | | | | | |
| ML: Massey's Landing | | | | | | | |
| | 8/9/2010 | 11:35 | Surfc | <i>Chaetoceros spp.</i> (T) | | Present | |
| | 8/9/2010 | 11:35 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| | 8/9/2010 | 11:35 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| | 8/9/2010 | 11:35 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| | 8/9/2010 | 11:35 | Surfc | <i>Prorocentrum scutellum</i> (B) | | Present | |
| RB07: West Bay Park | | | | | | | |
| | 8/10/2010 | 8:30 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| | 8/10/2010 | 8:30 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| <u>Bald Eagle Creek</u> | | | | | | | |
| RB46: Torquay Canal at East bulkhead on Land's End. | | | | | | | |
| | 8/9/2010 | 8:01 | Surfc | <i>Chattonella subsalsa</i> (T) | | Many | 1.280 |
| | 8/9/2010 | 8:01 | Surfc | <i>Fibrocapsa japonica</i> (T) | | Present | |
| | 8/9/2010 | 8:01 | Surfc | <i>Gyrodinium instriatum</i> (B) | | Present | |
| | 8/9/2010 | 8:01 | Surfc | <i>Heterosigma akashiwo</i> (T) | | Common | 0.750 |
| | 8/9/2010 | 8:01 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| | 8/9/2010 | 8:01 | Surfc | <i>Kryptoperidinium foliaceum</i> (B) | | Present | |
| RB64: Torquay Canal, west side of Land's End near UD Site #1 | | | | | | | |
| | 8/9/2010 | 8:05 | Surfc | <i>Chattonella subsalsa</i> (T) | | Common | 0.550 |
| | 8/9/2010 | 8:05 | Surfc | <i>Fibrocapsa japonica</i> (T) | | Present | |
| | 8/9/2010 | 8:05 | Surfc | <i>Gyrodinium instriatum</i> (B) | | Present | |
| | 8/9/2010 | 8:05 | Surfc | <i>Heterosigma akashiwo</i> (T) | | Common | 0.200 |
| | 8/9/2010 | 8:05 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| | 8/16/2010 | 8:56 | Surfc | <i>Gyrodinium instriatum</i> (B) | | Present | |

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| Water Body Tributary Site | Date | Time | Smpl Dpth | Name | Comment if ID uncertain | Abundance | MC/L |
|--|-----------|-------|--------------|--|----------------------------|-----------|--------|
| Rehoboth Bay | | | | | | | |
| <u>Bald Eagle Creek</u> | | | | | | | |
| RB64: Torquay Canal, west side of Land's End near UD Site #1 | | | | | | | |
| | 8/16/2010 | 8:56 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| | 8/16/2010 | 8:56 | Surfc | <i>Heterosigma akashiwo</i> (T) | | Present | |
| | 8/16/2010 | 8:56 | Surfc | <i>Karlodinium veneficum</i> (T) | | Common | 0.213 |
| | 8/16/2010 | 8:56 | Surfc | <i>Kryptoperidinium foliaceum</i> (B) | | Present | |
| | 8/16/2010 | 8:56 | Surfc | <i>Microcystis spp.</i> (T) | | Common | 0.250 |
| <u>Guinea Creek</u> | | | | | | | |
| RB05: Mouth of Guinea Creek (Pot Nets Creekside) | | | | | | | |
| | 8/9/2010 | 11:55 | Surfc | <i>Chattonella cf. verruculosa</i> (T) | | Present | |
| | 8/9/2010 | 11:55 | Surfc | <i>Heterosigma akashiwo</i> (T) | | Present | |
| | 8/9/2010 | 11:55 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| | 8/9/2010 | 11:55 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| RB06: Guinea Creek (Winding Creek Village) | | | | | | | |
| | 8/9/2010 | 12:15 | Surfc | <i>Akashiwo sanguinea</i> (T) | | Present | |
| | 8/9/2010 | 12:15 | Surfc | <i>Chattonella cf. verruculosa</i> (T) | | Common | 0.480 |
| | 8/9/2010 | 12:15 | Surfc | <i>Chattonella subsalsa</i> (T) | | Common | 0.740 |
| | 8/9/2010 | 12:15 | Surfc | <i>Fibrocapsa japonica</i> (T) | | Present | |
| | 8/9/2010 | 12:15 | Surfc | <i>Gyrodinium instriatum</i> (B) | | Present | |
| | 8/9/2010 | 12:15 | Surfc | <i>Heterosigma akashiwo</i> (T) | | Present | |
| | 8/9/2010 | 12:15 | Surfc | <i>Karlodinium veneficum</i> (T) | | Many | 7.260 |
| | 8/9/2010 | 12:15 | Surfc | <i>Kryptoperidinium foliaceum</i> (B) | | Present | |
| <u>Herring Creek</u> | | | | | | | |
| RB04: Herring Creek, Mid-Section | | | | | | | |
| | 8/18/2010 | 7:08 | Surfc | <i>Heterosigma akashiwo</i> (T) | | Present | |
| | 8/18/2010 | 7:08 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| | 8/18/2010 | 7:08 | Surfc | <i>Kryptoperidinium foliaceum</i> (B) | | Present | |
| <u>Love Creek</u> | | | | | | | |
| RB34: Love Creek at Rt 24 Bridge | | | | | | | |
| | 8/9/2010 | 8:23 | Surfc | <i>Cylindrotheca closterium</i> (B*) | | Abundant | 17.800 |
| | 8/9/2010 | 8:23 | Surfc | <i>Gyrodinium instriatum</i> (B) | | Many | 1.700 |
| | 8/9/2010 | 8:23 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| | 8/9/2010 | 8:23 | Surfc | <i>Heterosigma akashiwo</i> (T) | | Common | 0.200 |
| | 8/9/2010 | 8:23 | Surfc | <i>Karlodinium veneficum</i> (T) | | Present | |
| | 8/9/2010 | 8:23 | Surfc | <i>Kryptoperidinium foliaceum</i> (B) | | Present | |
| Wagamon's Pond | | | | | | | |
| BR44: Wagamon's Pond, Milton | | | | | | | |
| | 8/11/2010 | 10:30 | Surfc | <i>Lyngbya</i> (T) | | Present | |
| | 8/11/2010 | 10:30 | Surfc | <i>Microcystis spp.</i> (T) | | Present | |

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