

Harmful Algae Report

All data between 5/13/2005 and 5/26/2005

Delaware Inland Bays Citizen Monitor Program

| Water Body Tributary Site | Date | Time | Smpl Dpth | Name | Comment if ID uncertain | Abundance | MCL |
|--|-----------|-------|--------------|---|----------------------------|-----------|-------|
| Assawoman Bay | | | | | | | |
| <u>Roy Creek</u> | | | | | | | |
| BA01: Keenwick on Bay, Roy Creek | | | | | | | |
| | 5/23/2005 | 8:57 | Surfc | <i>"Gymnodinioid" sp. (S)</i> | 15-25 um Grn | Present | |
| Assawoman Canal | | | | | | | |
| IR50: Assawoman Canal at N end, marina dock | | | | | | | |
| | 5/24/2005 | 8:30 | Surfc | <i>"Gymnodinioid" sp. (S)</i> | 15-25 um Grn | Present | |
| LA10: Assawoman Canal @ Kent Ave Bridge | | | | | | | |
| | 5/16/2005 | 8:05 | Surfc | <i>"Gymnodinioid" sp. (S)</i> | 15-25 um Grn | Present | |
| | 5/16/2005 | 8:05 | Surfc | <i>Prorocentrum minimum (T)</i> | | Present | |
| | 5/23/2005 | 8:10 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| <u>Bethany Loop Canal</u> | | | | | | | |
| IR62: Loop Canal, Pa Ave terminus, Bethany Beach | | | | | | | |
| | 5/17/2005 | 8:50 | Surfc | <i>"Gymnodinioid" sp. (S)</i> | 15-25 um Grn | Present | |
| | 5/17/2005 | 8:50 | Surfc | <i>Chattonella cf. verruculosa (T)</i> | | Common | 0.40 |
| | 5/17/2005 | 8:50 | Surfc | <i>Euglenales (An Order) spp. (B)</i> | | Many | 5.60 |
| | 5/17/2005 | 8:50 | Surfc | <i>Kryptoperidinium foliaceum-2 (B)</i> | | Present | |
| | 5/17/2005 | 8:50 | Surfc | <i>Prorocentrum minimum (T)</i> | | Common | 0.36 |
| | 5/17/2005 | 8:50 | Surfc | <i>Unknown flagellate (B)</i> | 5-10 um 'kidney bean' | Abundant | 75.00 |
| | 5/24/2005 | 8:11 | Surfc | <i>Kryptoperidinium foliaceum-2 (B)</i> | | Present | |
| IR64: Bethany Beach canal off dead end at 3rd street East of Evans Rd. | | | | | | | |
| | 5/24/2005 | 8:18 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| Broadkill River | | | | | | | |
| BR01: Broadkill river @ PEL dock. | | | | | | | |
| | 5/24/2005 | 11:35 | Surfc | <i>"Gymnodinioid" sp. (S)</i> | 15-25 um Grn | Present | |
| | 5/24/2005 | 11:35 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| | 5/24/2005 | 11:35 | Surfc | <i>Prorocentrum minimum (T)</i> | | Present | |
| Indian River | | | | | | | |
| IR04: Warwick Cove | | | | | | | |
| | 5/23/2005 | 9:56 | Surfc | | No HABs found | | |
| IR07: Holt's Landing State Park | | | | | | | |
| | 5/24/2005 | 9:03 | Surfc | | No HABs found | | |
| IR11: Big Ditch Point | | | | | | | |
| | 5/23/2005 | 7:45 | Surfc | | No HABs found | | |
| IR20: Bay Colony | | | | | | | |
| | 5/23/2005 | 8:10 | Surfc | | No HABs found | | |
| <u>White Creek</u> | | | | | | | |
| IR32: Holly Terrace Acres | | | | | | | |
| | 5/24/2005 | 9:30 | Surfc | <i>Heterocapsa rotundata (B)</i> | | Present | |
| IR59: White Creek - west prong near Food Lion | | | | | | | |

Name subscripts: (B) - nontoxic bloom former; (S) - cell similar to a known toxic cell; (T) - potentially toxic cell.

MCL - Million Cells per Liter. Abundance Levels: Not Found: Looked for, but no cells found; Present: < 0.1 MCL; Common: 0.1 - 1 MCL; Many: 1 - 10 MCL; Abundant: 10 - 100 MCL; Very Abundant: > 100 MCL.

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| Indian River | | | | | | | |
| <u>White Creek</u> | | | | | | | |
| IR59: White Creek - west prong near Food Lion | 5/24/2005 | 8:49 | Surfc | | No HABs found | | |
| IR60A: 4 Cristy Lane, Ocean View; E Branch of White Creek | 5/13/2005 | 7:25 | Surfc | | No HABs found | | |
| | 5/24/2005 | 8:39 | Surfc | | No HABs found | | |
| Little Assawoman Bay | | | | | | | |
| LA15B: Red channel marker #12 | 5/16/2005 | 9:00 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| | 5/16/2005 | 9:00 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| LA35B: Red Channel marker #28, across from Miller Creek | 5/16/2005 | 8:48 | Surfc | " <i>Gymnodinioid</i> " sp. (S) | 15-25 um Grn | Present | |
| | 5/16/2005 | 8:48 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| LA42B: Narrows, South of state beach at point | 5/16/2005 | 8:53 | Surfc | " <i>Gymnodinioid</i> " sp. (S) | 15-25 um Grn | Present | |
| | 5/16/2005 | 8:53 | Surfc | <i>Prorocentrum minimum</i> (T) | | Common | 0.19 |
| LA45: Fenwick Island Bayside | 5/24/2005 | 8:20 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| <u>Dirickson Creek</u> | | | | | | | |
| LA03: Mulberry Landing | 5/23/2005 | 8:06 | Surfc | " <i>Gymnodinioid</i> " sp. (S) | 15-25 um Grn | Present | |
| LA09: Dirickson Creek at Road 381 bridge. | 5/23/2005 | 8:40 | Surfc | | No HABs found | | |
| LA20: Swann Keys: boat ramp at S end of Blue Teal Rd | 5/23/2005 | 9:04 | Surfc | | No HABs found | | |
| LA22B: Dirickson Creek upper section between Williams Creek and the LA09, mid channel near duck blind. | 5/16/2005 | 9:12 | Surfc | " <i>Gymnodinioid</i> " sp. (S) | 15-25 um Grn | Present | |
| | 5/16/2005 | 9:12 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| | 5/16/2005 | 9:12 | Surfc | <i>Prorocentrum minimum</i> (T) | | Common | 0.13 |
| <u>Jefferson Creek</u> | | | | | | | |
| JC08B: SB, Jefferson Creek Basin between Assawoman canal extensions, access by boat only. | 5/16/2005 | 9:25 | Surfc | " <i>Gymnodinioid</i> " sp. (S) | 15-25 um Grn | Present | |
| | 5/16/2005 | 9:25 | Surfc | <i>Prorocentrum minimum</i> (T) | | Common | 0.14 |
| SB03B: Anchorage Canal at elbow | 5/16/2005 | 9:37 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| | 5/16/2005 | 9:37 | Surfc | <i>Kryptoperidinium foliaceum</i> -2 (B) | | Present | |
| | 5/16/2005 | 9:37 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| SB10E: SB: Russell Canal east dead end | 5/17/2005 | 8:38 | Surfc | " <i>Gymnodinioid</i> " sp. (S) | 15-25 um Grn | Common | 0.16 |
| | 5/23/2005 | 8:45 | Surfc | " <i>Gymnodinioid</i> " sp. (S) | 15-25 um Grn | Present | |
| | 5/23/2005 | 8:45 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| SB10W: SB: Russell Canal west dead end | 5/17/2005 | 8:35 | Surfc | " <i>Gymnodinioid</i> " sp. (S) | 15-25 um Grn | Present | |
| | 5/17/2005 | 8:35 | Surfc | <i>Amphidinium</i> sp. (T) | | Present | |

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| Little Assawoman Bay | | | | | | | |
| <u>Jefferson Creek</u> | | | | | | | |
| SB10W: SB: Russell Canal west dead end | | | | | | | |
| | 5/17/2005 | 8:35 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| | 5/23/2005 | 8:40 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| <u>Miller Creek</u> | | | | | | | |
| LA31: Double Bridges road bridge at Plantation Park | | | | | | | |
| | 5/17/2005 | 8:23 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| LA33B: Camp Barnes dock - by boat | | | | | | | |
| | 5/16/2005 | 8:38 | Surfc | <i>Prorocentrum minimum</i> (T) | | Common | 0.89 |
| <u>Williams Creek</u> | | | | | | | |
| LA21: Williams Creek tributary, bridge on Rd 364a | | | | | | | |
| | 5/17/2005 | 8:15 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| Rehoboth Bay | | | | | | | |
| ML: Massey's Landing | | | | | | | |
| | 5/23/2005 | 11:18 | Surfc | | No HABS found | | |
| RB07: West Bay Park | | | | | | | |
| | 5/24/2005 | 10:30 | Surfc | <i>Prorocentrum minimum</i> (T) | | Present | |
| <u>Bald Eagle Creek</u> | | | | | | | |
| RB46: Torquay Canal at East bulkhead on Land's End. | | | | | | | |
| | 5/24/2005 | 9:44 | Surfc | " <i>Gymnodinioid</i> " sp. (S) | 15-25 um Grn | Present | |
| | 5/24/2005 | 9:44 | Surfc | <i>Heterocapsa rotundata</i> (B) | | Present | |
| | 5/24/2005 | 9:44 | Surfc | <i>Heterocapsa triquetra</i> (B) | | Present | |
| <u>Guinea Creek</u> | | | | | | | |
| RB05: Mouth of Guinea Creek (Pot Nets Creekside) | | | | | | | |
| | 5/23/2005 | 11:39 | Surfc | | No HABS found | | |
| RB06: Guinea Creek (Winding Creek Village) | | | | | | | |
| | 5/23/2005 | 8:00 | Surfc | | No HABS found | | |
| RB06A: Guinea Creek @ Rd 298 Bridge | | | | | | | |
| | 5/23/2005 | 12:00 | Surfc | | No HABS found | | |

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