HAB Monitoring

6P-1

Oysters
10/8 Negative
10/18 Negative

6P-3

10/11 3516
10/17 85263
10/20 107439
10/20 tox Negative
10/24 880
10/24 tox Negative
10/27 300
10/27 tox Negative
11/1 0

6P-4

10/11 729
10/17 86261
10/20 77172
10/20 tox Negative
10/24 1260
10/24 tox Negative
10/27 400
10/27 tox Negative
11/1 1210

6P-2

Oysters
10/8 Negative
10/18 Negative
10/24 Negative

6N-3

Oysters
10/24 Negative

6N-2

10/19 29380
10/19 tox Negative

6N-1

10/11 8203
10/17 33393
10/20 20001
10/20 tox Negative
10/24 38940
10/24 tox Negative
10/27 1820
10/27 tox Negative
11/1 0

6Q-2

Oysters
10/24 Negative

6Q-3

10/26 0

6Q-1

10/11 4609
10/17 0
10/20 3540
10/20 tox Negative
10/24 1000
10/24 tox Negative
10/27 750
10/27 tox Negative
11/1 1050

6W-2

Oysters
10/8 Negative

6W-2

10/26 0

6W-1

10/11 500
10/17 5474
10/17 tox Negative
10/20 3540
10/20 tox Negative
10/24 880
10/24 tox Negative
10/27 4900
11/1 0

12-1

10/25 0

12-2

10/25 145

Beginning October 5th, RIDEM increased the frequency of collection of phytoplankton and shellfish samples for plankton cell count enumeration and screening of phytoplankton and shellfish for the presence of domoic acid (the toxin that can be produced by Pseudo-nitzschia cells that causes Amnesic Shellfish Poisoning). Up until October 15th, efforts were initially focused on mid Narragansett Bay (between Jamestown and Prudence Island) and then expanded to include geographically targeted locations throughout the Narragansett Bay and the coastal salt ponds approved for shellfishing. During this time period, domoic acid screening was hampered by insufficient # of test kits resulting from difficulties encountered with delivery of the kits.

From October 17th through October 27th, DEM implemented comprehensive bi-weekly synoptic plankton sampling for cell count enumeration and toxicity testing at 24 stations located throughout the Bay, coastal salt ponds and in Rhode Island Sound (at mouth of the Bay) where shellfish harvesting is permitted. During this time period, DEM and DOH also collected shellfish (from targeted locations and from dealers) for domoic acid screening.

Plankton Toxicity
- Negative
- Positive

Plankton Cell Count
- 0 - 1,000
- 1,001 - 5,000
- 5,001 - 10,000
- 10,001 - 100,000
- 100,001 - 500,000
- 500,001 - 2,011,782

Shellfish Toxicity
- Negative
- Positive

Shellfish Test - Source
- Dealer (location approx.)
- Direct

About the labels:

4A-D6 (Shellfish Sample Station)
Quahaugs (Species Sampled)
10/21 (Sample Date)
10/21 Negative (Toxicity Detected?)
10/21 HPLC 3.2 (Damoic Acid ppb)

4A-7 (Plankton Sample Station)
10/12 (Sample Date)
10/12 61973 (Cells / liter)
10/12 tox Negative (Toxicity Detected?)

14W-6

10/12 70

14W-21

10/12 65

6B-1

10/12 55
10/17 88800
10/18 4200
10/18 tox Negative
10/20 31026
10/20 tox Negative
10/24 897
10/24 tox Negative
10/27 679
10/27 tox Negative

6B-2

Mussels
10/22 Negative

14W-2

10/12 325

0 2.5 5 Miles