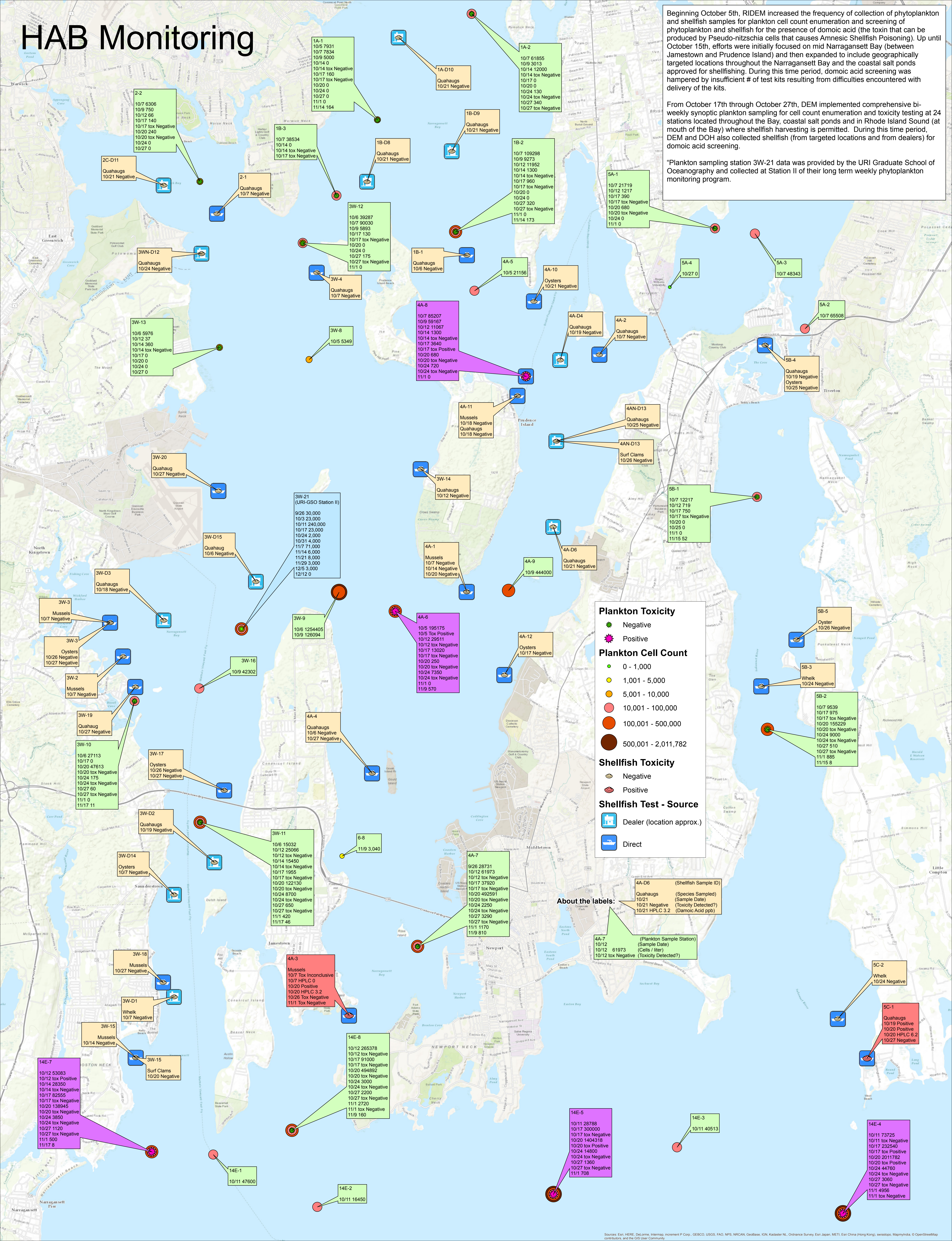


HAB Monitoring

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 sampling station 3W-21 data was provided by the URI Graduate School of Oceanography and collected at Station II of their long term weekly phytoplankton monitoring program.



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 ID)
 Quahaugs (Species Sampled)
 10/21 (Sample Date)
 10/21 Negative (Toxicity Detected?)
 10/21 HPLC 3.2 (Domoic Acid ppb)

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

14E-7
 10/12 53083
 10/12 tox Positive
 10/14 28350
 10/14 tox Negative
 10/17 82555
 10/17 tox Negative
 10/20 138945
 10/20 tox Negative
 10/24 3850
 10/24 tox Negative
 10/27 1120
 10/27 tox Negative
 11/1 500
 11/17 8

3W-11
 10/6 15032
 10/12 25066
 10/12 tox Negative
 10/14 15450
 10/14 tox Negative
 10/17 1955
 10/17 tox Negative
 10/20 122130
 10/20 tox Negative
 10/24 8700
 10/24 tox Negative
 10/27 850
 10/27 tox Negative
 11/1 420
 11/17 46

14E-8
 10/12 265378
 10/12 tox Negative
 10/17 91000
 10/17 tox Negative
 10/20 494892
 10/20 tox Negative
 10/24 3000
 10/24 tox Negative
 10/27 2200
 10/27 tox Negative
 11/1 2720
 11/1 tox Negative
 11/9 160

14E-4
 10/11 73725
 10/11 tox Negative
 10/17 232540
 10/17 tox Positive
 10/20 201782
 10/20 tox Positive
 10/24 44760
 10/24 tox Negative
 10/27 3080
 10/27 tox Negative
 11/1 4956
 11/1 tox Negative