

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.

HAB Monitoring

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

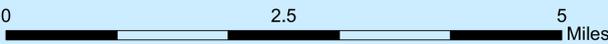
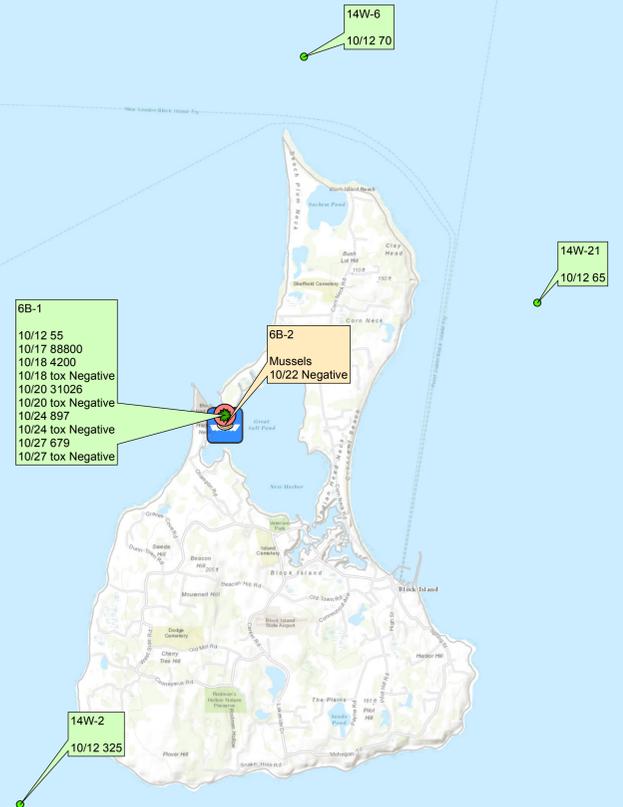
Shellfish Test - Source

- 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 (Domoic Acid ppb)

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



Source: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBasis, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, Mapbox, OpenStreetMap contributors, and the GIS User Community