

2008 Federal Red Tide Disaster Relief Funding – Collaborative Programs

STATE	Task Title	Description
Maine	Regional Cyst Bed Mapping Collaboration	Maine, New Hampshire and Massachusetts propose to commit funding to support the continuation of the size and location mapping of the <i>Alexandrium</i> cyst bed in the western Gulf of Maine by WHOI for use as a predictive tool for state program managers.
Massachusetts		
New Hampshire		
Maine	Regional and Local Education and Outreach	Maine, New Hampshire and Massachusetts agree to collaborate in the production of outreach materials for widespread distribution in New England on harvest closures, consumption advisories, availability of seafood in commercial markets, etc. The states will collaborate on the identification of audiences, the construction of messages, and the development of a variety of outreach products. After collaborating on production, each state will then independently implement and distribute materials as needed.
Massachusetts		
New Hampshire		
Maine	Regional Advancement of Emerging Toxin Detection Methods	<p>New Hampshire DES Lab will purchase the necessary instrumentation and supplies to perform the high pressure liquid chromatography (HPLC) analyses to generate a dataset of approximately 1,500 comparisons over a two-year period.</p> <p>The State of Maine will provide a full season of split samples, of various toxin levels, from a small portion of the shellfish homogenate from roughly 3000 mouse bioassay samples to the New Hampshire lab for HPLC analyses, and to FDA for Receptor Binding Assays for two seasons.</p> <p>Both states will provide a delegate for both the Lab Methods Review Committee and the Biotxin Committee at the Interstate Shellfish Sanitation Conference with the goal of advancing the acceptance of both new methods on a condensed schedule.</p>
New Hampshire		
Maine	Regional PSP Emerging Issues	<p>The States propose to implement a parallel red tide monitoring effort specific to PSP toxin levels in lobster tomalley.</p> <p>New Hampshire will collect and transport lobster samples from both state and offshore locations to Maine for a weekly study to analyze and assess PSP toxicity levels in lobster tomalley across the Gulf of Maine. Maine will provide the lab supplies and perform the analysis. Both states will collaborate on data management.</p>
New Hampshire		
Maine	Regional Quantitative Phytoplankton Monitoring Network	<p>Maine will purchase a microscope with florescence capabilities for the Lamoine lab to help cover the eastern Maine samples provided by the coastwide network of volunteer phytoplankton monitors. In addition, Maine will assist in training volunteers in New Hampshire in this new collection method.</p> <p>New Hampshire will purchase a microscope with florescence capabilities for their own program of volunteer monitors and offer its use to southern Maine volunteers to reduce the current bottleneck of samples.</p>
New Hampshire		

2008 Federal Red Tide Disaster Relief Funding – State Specific Programs

STATE	Task Title	Description
Maine	Sentinel Buoys and Rapid Response Targeted Monitoring	Maine proposes to expand an existing buoy monitoring program to cover gaps in parts of eastern Maine and the mid-coast area. **The purchase of a boat and trailer dedicated to the red tide program will be used to monitor the existing Cobscook Bay buoy array, and will also give the State flexibility to set out and tend the additional buoys proposed with this funding in the Blue Hill and Frenchman’s Bay areas
Maine	Socio-Economic Impact Study	Maine proposes to contract a socio-economic study to identify areas in shellfish industry practices that may be modified in order to minimize economic impacts.
Maine	Biotoxin Laboratory Upgrades	The State proposes to purchase key pieces of laboratory equipment and supplies to maintain the red tide monitoring workload.
Massachusetts	Direct Assistance to Commercial Fishermen	The Commonwealth will develop and implement a lost income subsidy program to compensate Massachusetts commercial shellfish harvesters for their economic loss resulting from the 2008 red tide event. In addition, funds will be used to support a health insurance subsidy program.
Massachusetts	Laboratory Staff, supplies, equipment	The Commonwealth proposes to hire a Shellfish Biologist dedicated to the coordination of both existing and expanded PSP program activities, a lab technician to assist in the ARMFS laboratory, and two seasonal field technicians to assist in shellfish collection. Additional equipment and supplies along with minor lab renovation will allow an increase in samples processed each week.
New Hampshire	Regional Application of an Alternative HPLC Laboratory Method for PSP Toxin Detection	This task will support a pilot study using a new, simpler HPLC method currently under development at the DHHS Public Health Lab and the University of New Hampshire.
New Hampshire	Expanding and Diversifying Shellfish Aquaculture in Coastal New Hampshire	The state proposes to characterize spatial distributions of factors affecting bivalve shellfish aquaculture through the production of a series of maps. In addition, the state will interview regulatory and management personnel, shellfish farmers, government planners and others to assess particular geographic areas for their shellfish aquaculture potential. The task also includes the development and distribution of informational materials, business planning, marketing and technical support in the development of production techniques for the eventual procurement of seasonal nursery sites.