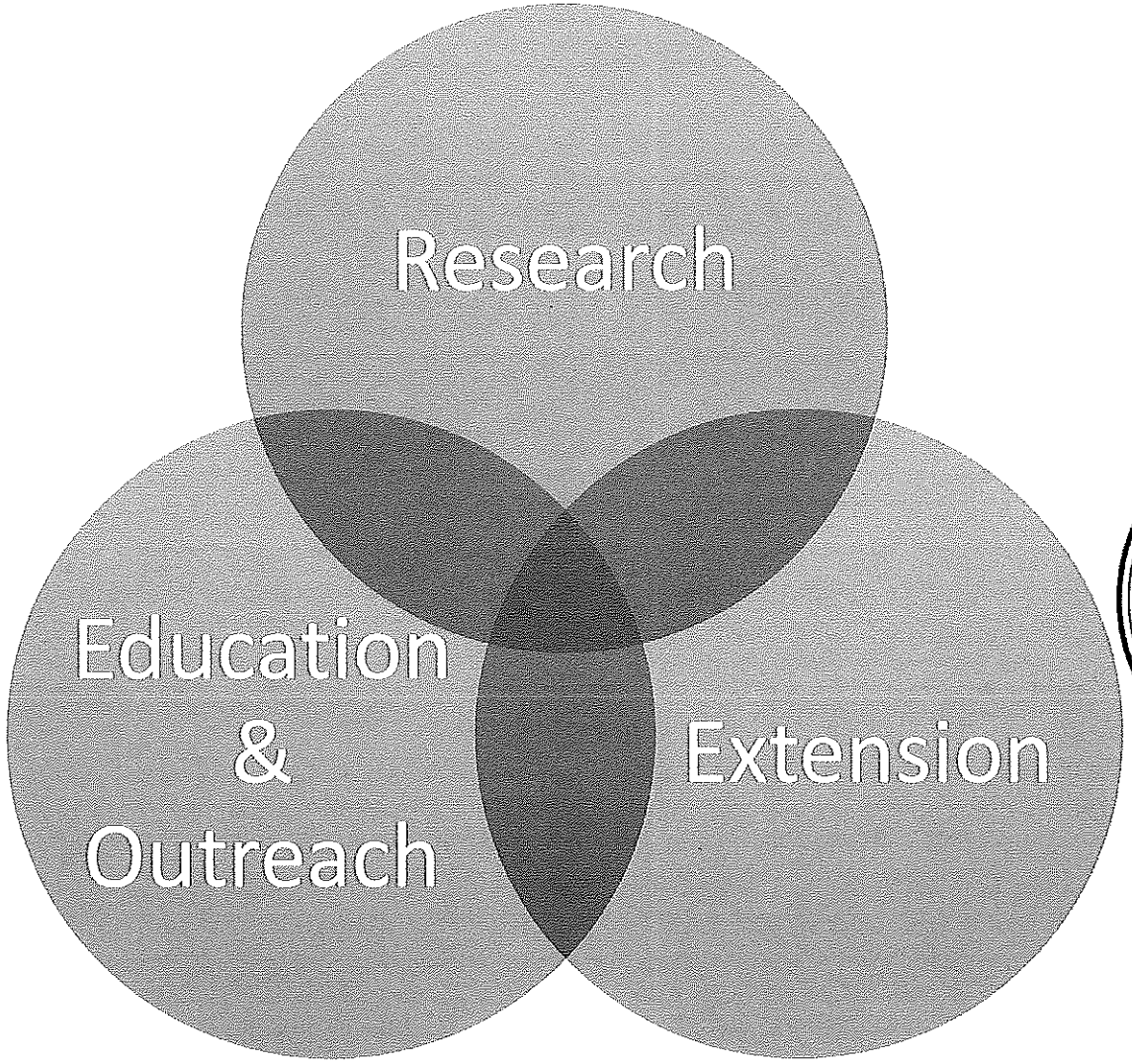
Woods Hole Sea Grant
Barnstable County Assembly
June 6, 2018

Sea Grant's mission is to enhance the practical use and conservation of coastal, marine and Great Lakes resources in order to create a sustainable economy and environment.

Program Overview



Program Themes

HEALTY COASTAL ECOSYSTEMS

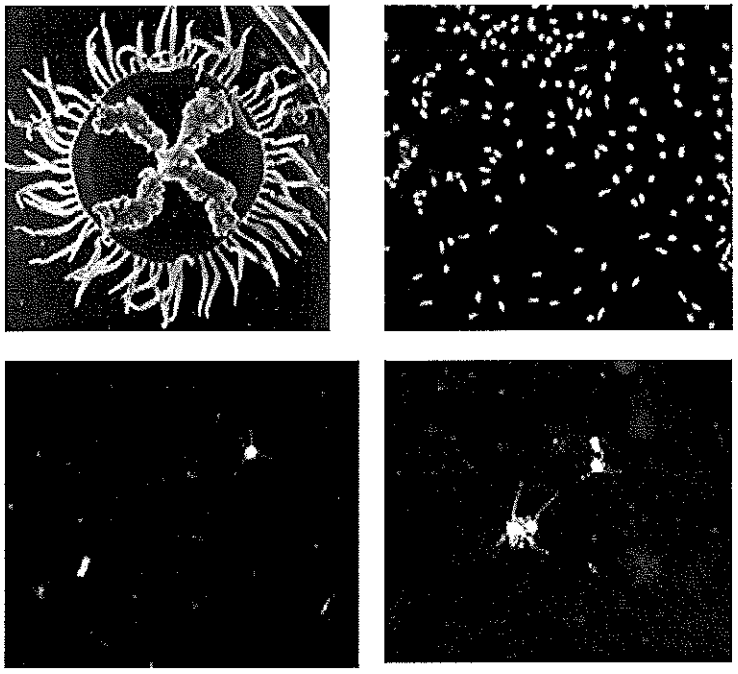
SUSTAINABLE FISHERIES & AQUACULTURE

RESILIENT COMMUNITIES AND ECONOMIES

ENVIRONMENTAL LITERACY & WORKFORCE DEVELOPMENT

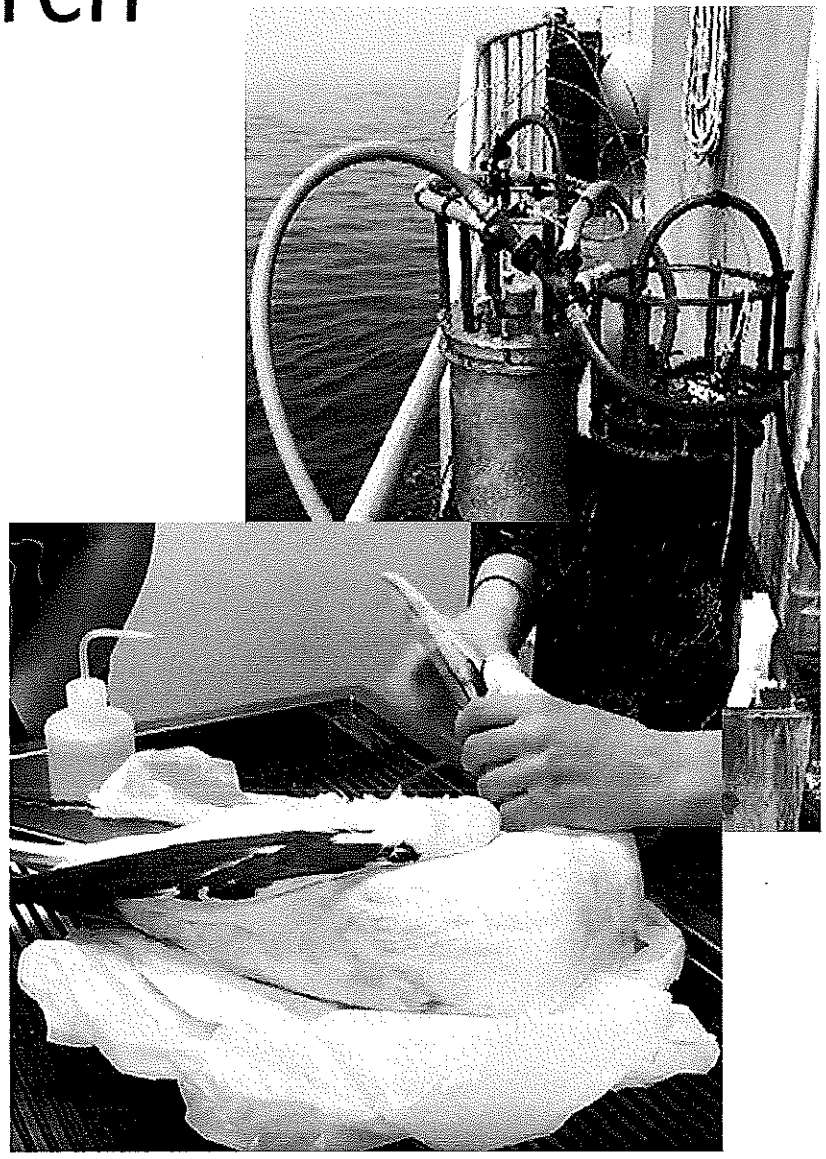
Research

Invasive Jellyfish



Mass Stranding Alert System

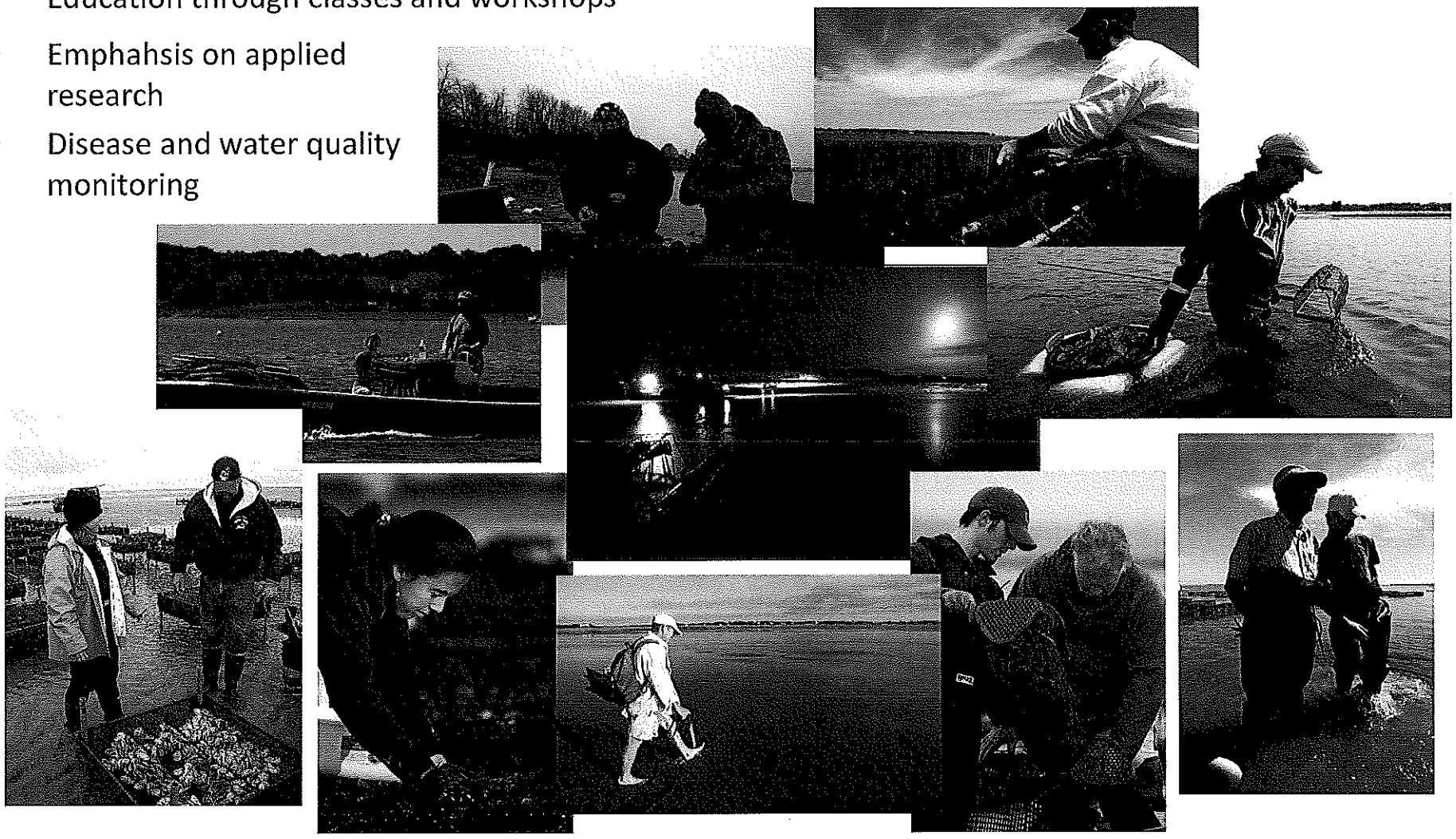
Automated Harmful Algae Monitoring



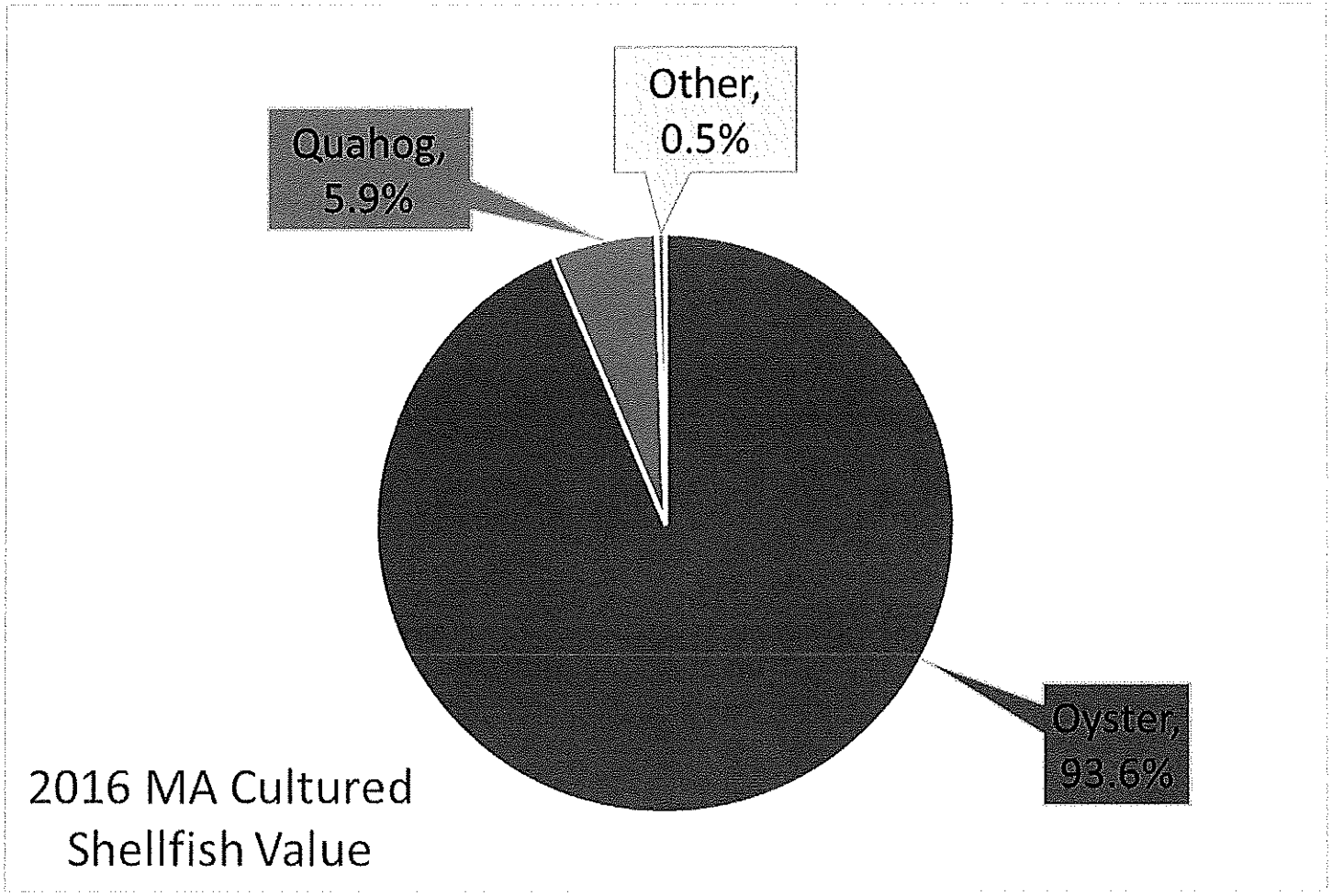
Shorebird Disease Outbreak

Technical Assistance to Aquaculture Industry

- Work closely with the state's shellfish farmers and regulators
- Education through classes and workshops
- Emphahsis on applied research
- Disease and water quality monitoring

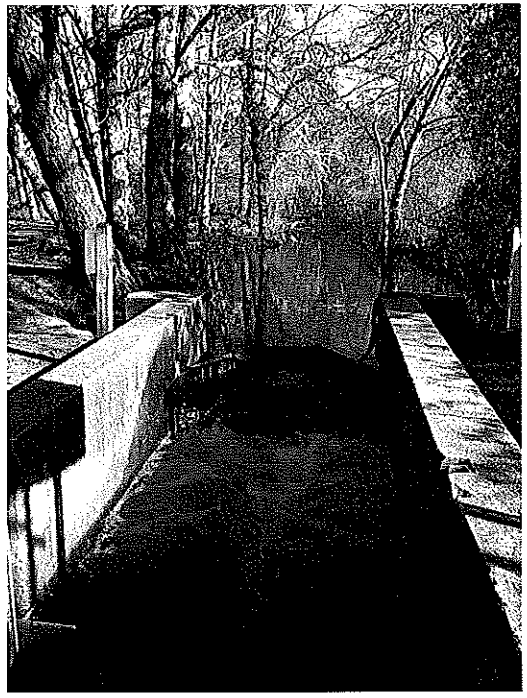


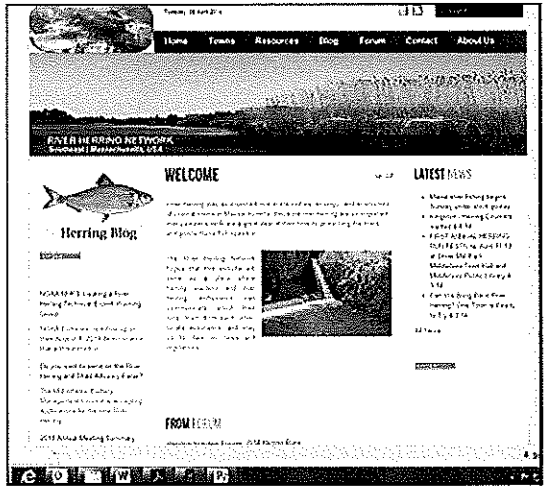
Shellfish Aquaculture in MA



Seaweed Aquaculture Initiative

- Identify/address barriers to local production
- Marketability
- Coordination of regulator interaction
- Coordinate MA focus group to engage industry & regulators



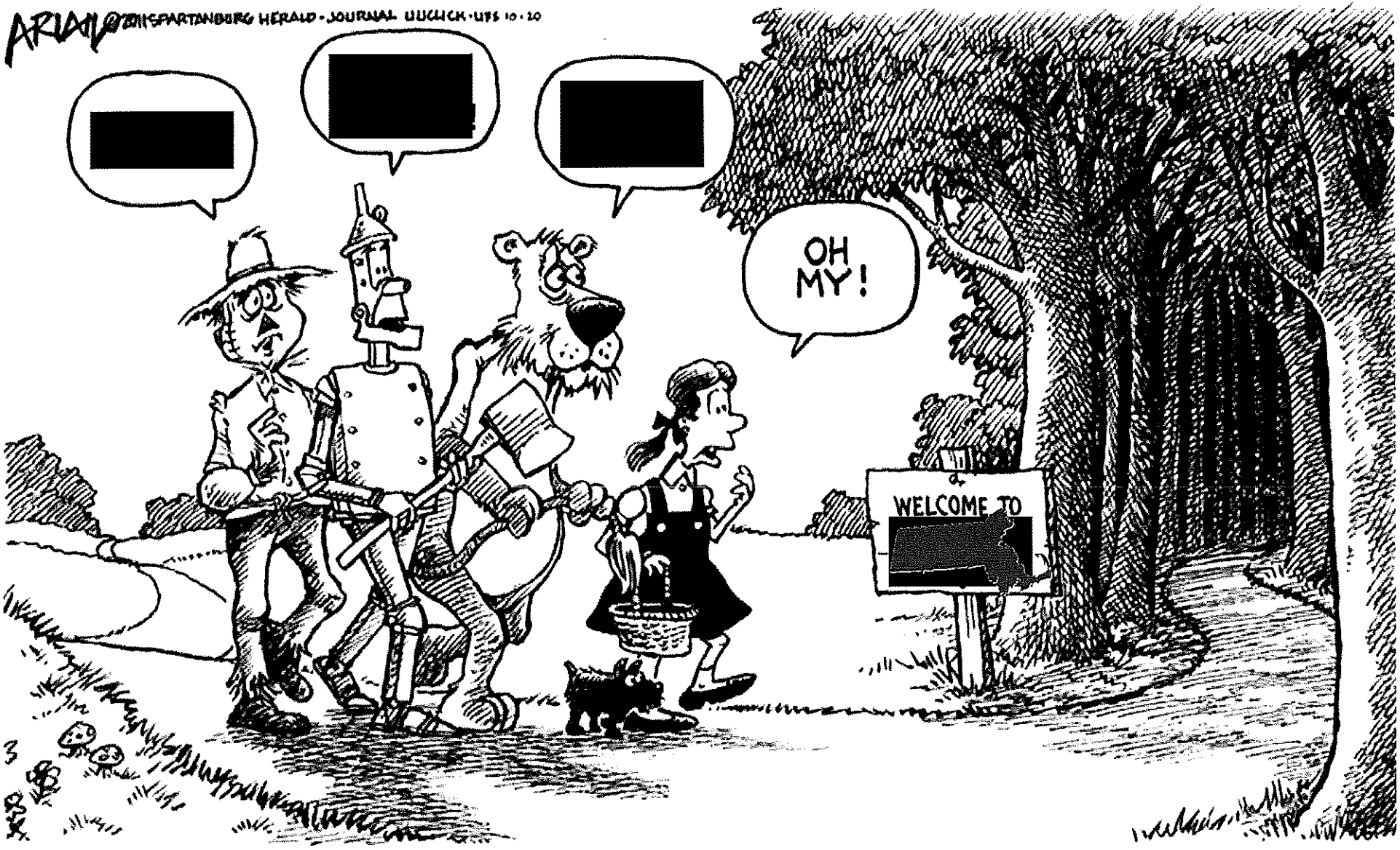


River Herring Network

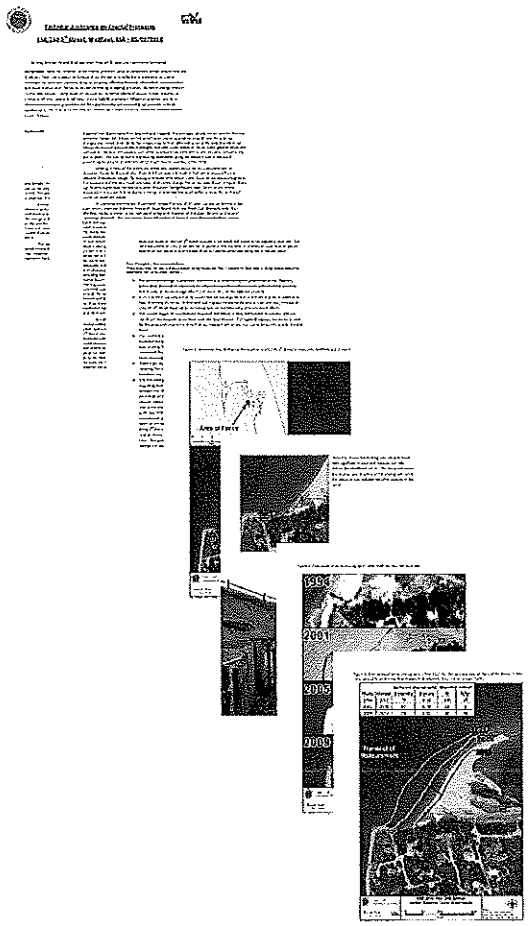
Working towards the restoration of river herring populations & their habitat and supporting the work of herring wardens and committees

County of Barnstable Massachusetts
Sea Grant Woods Hole
SEMAC Southeastern Massachusetts Aquaculture Center

Coastal Processes and Hazards



Technical Assistance
(since 2009)



Site visits = >200

Towns = 15 of 15 towns on Cape Cod

Presentations = >130 to > 6,000 people

Host Conferences = 15

Media = >100 Newspaper, Radio, TV
Blogs: stopped keeping track

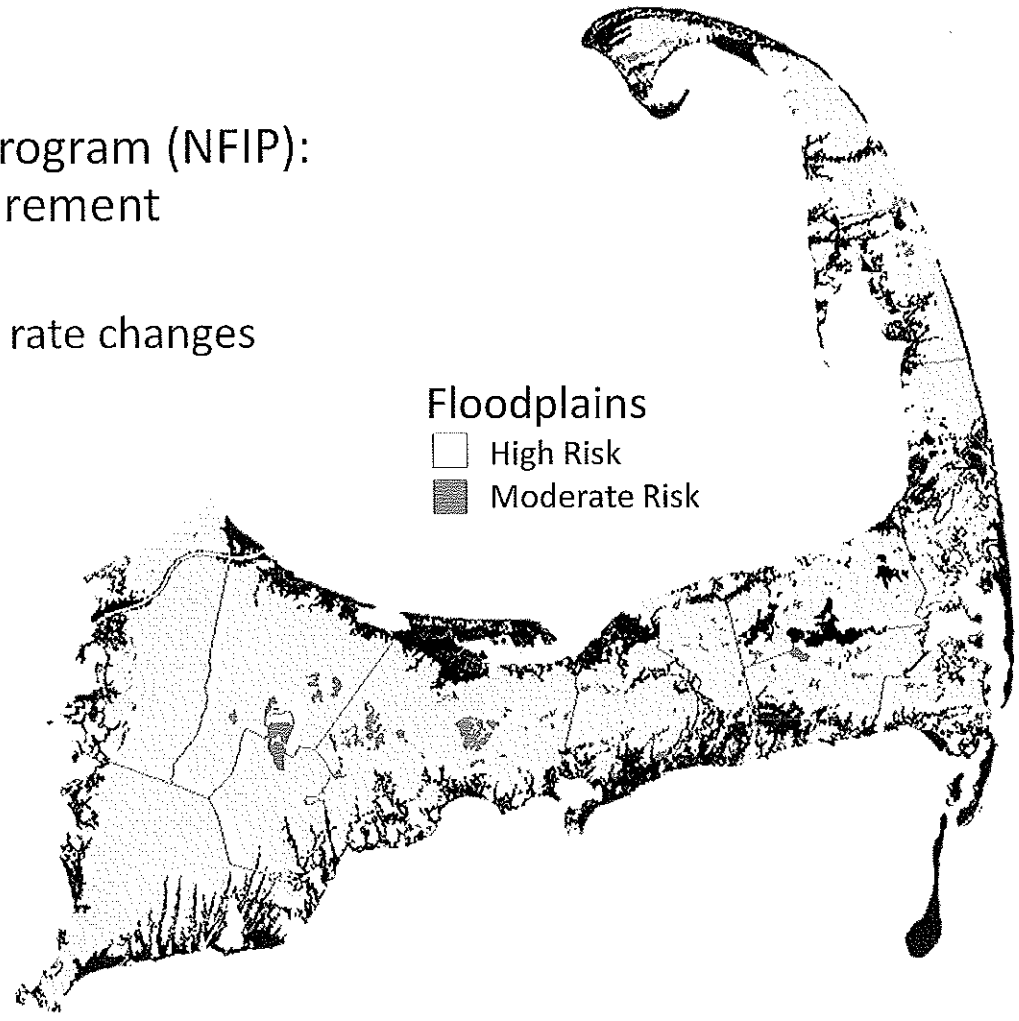
Taskforces (~15-20)

Pleasant Bay Alliance
Dukes County Barrier Beach Taskforce
Dennis Beach Management Advisory Task Force
Provincetown Beach and Harbor Team
Steering Committee "Supporting cost-efficient adaptation planning in the North Atlantic"
State Hazard Mitigation Interagency Committee

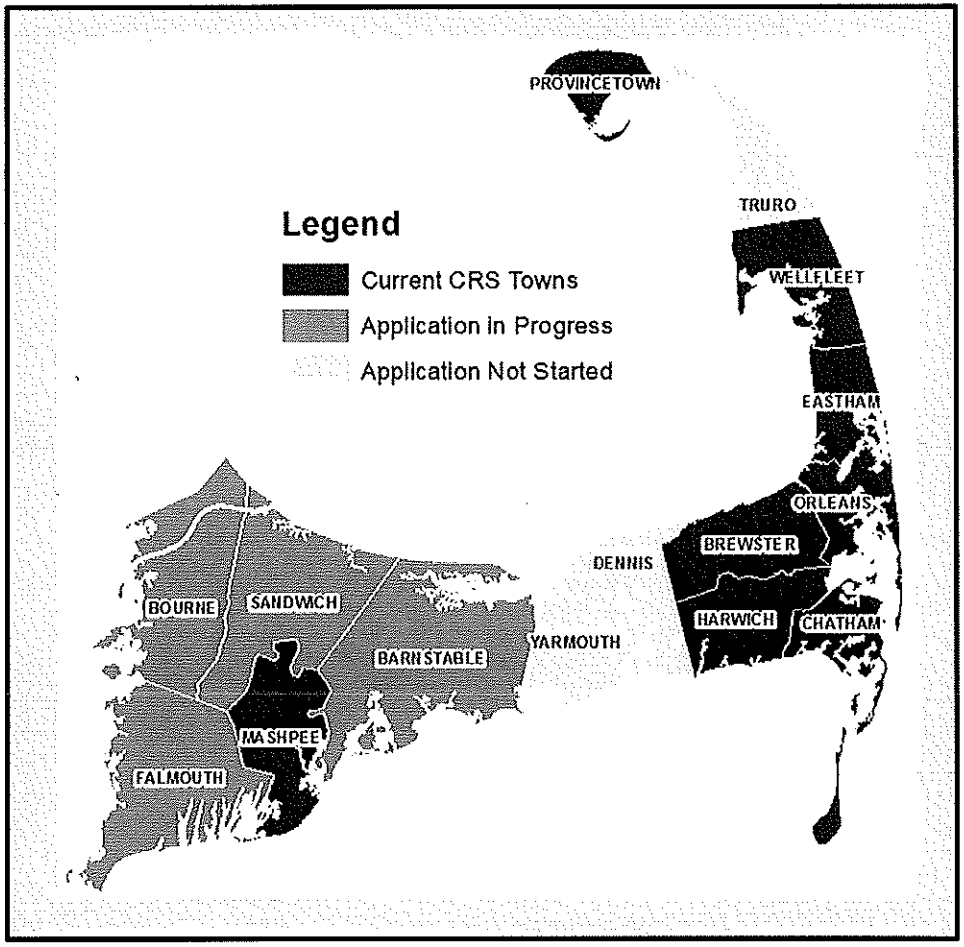
Community Rating System (CRS)

- National Flood Insurance Program (NFIP): Mandatory Purchase Requirement
  - 2014 flood map updates
  - 2012/2014 Congressional rate changes

- Voluntary NFIP program
- Towns participate
- Multiple benefits
  - Resilience
  - Cost



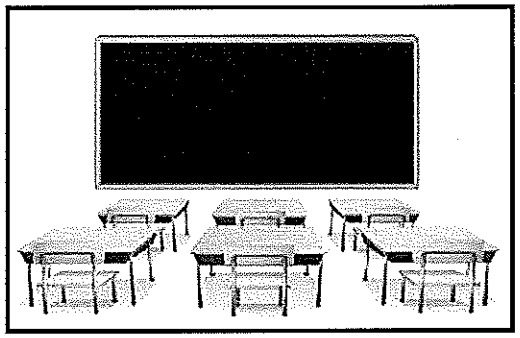
Barnstable County



Cape Cod CRS Communities (as of October 2017)

Community	Discount	Total Savings	Policyholders
Brewster	5%	$1,631	30
Chatham	10%	$46,344	302
Eastham	10%	$14,266	109
Harwich	10%	$60,048	588
Mashpee	10%	$56,507	494
Orleans	5%	$10,420	133
Provincetown	5%	$69,025	1046
Wellfleet	10%	$22,286	154
TOTAL	NA	**$285,000**	**3,000**

Education and Outreach

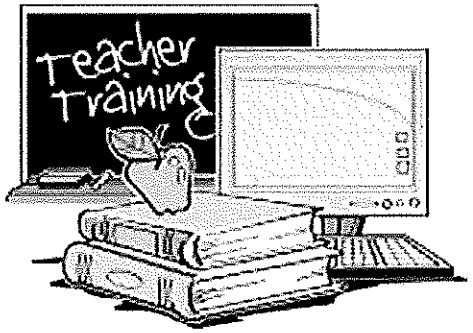


Classroom visits

- K-8th Grade

Field Trips

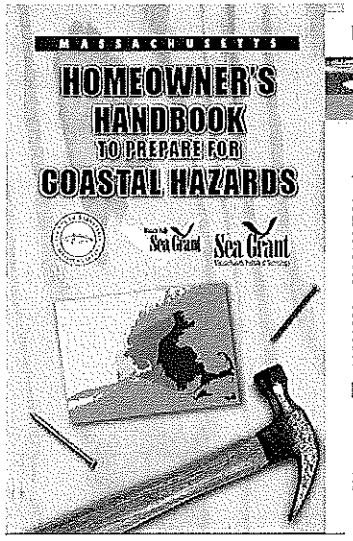
- Provide transportation costs

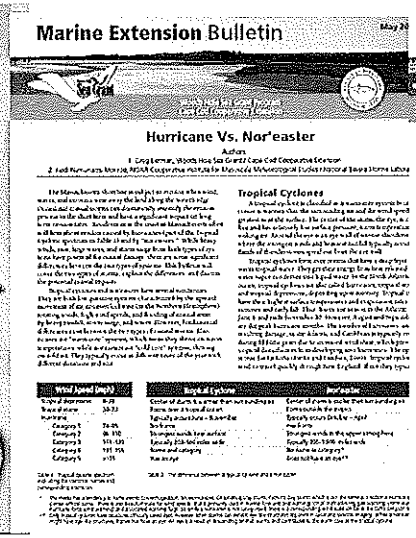


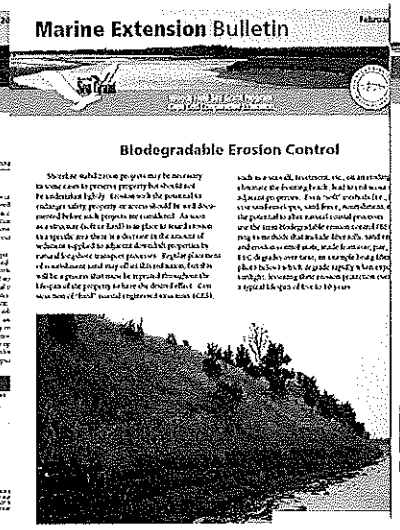
Teacher Workshops

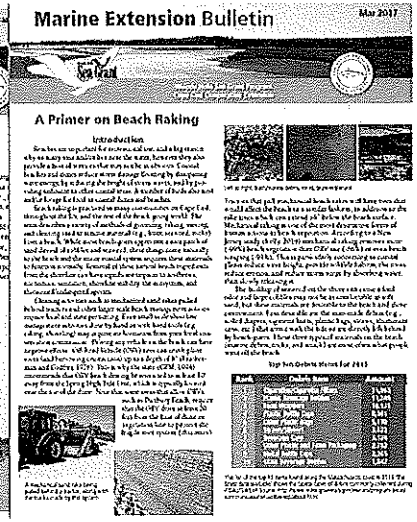
- Topics in Oceanography
- 7th-12 Grade Teachers

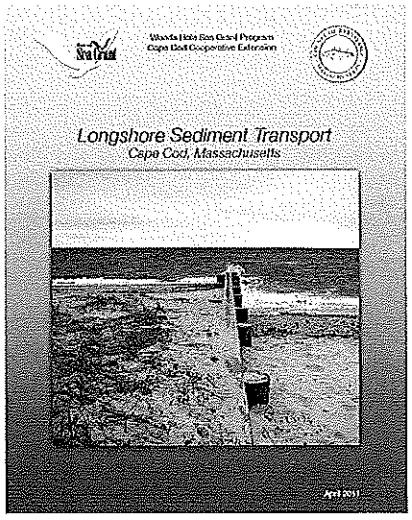
Signs, Handbooks, Publications

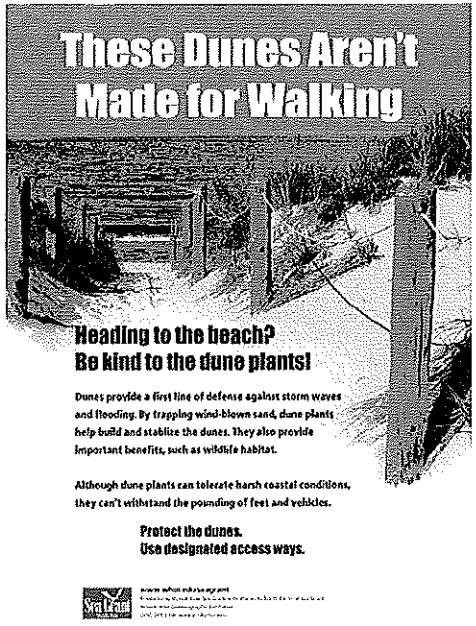


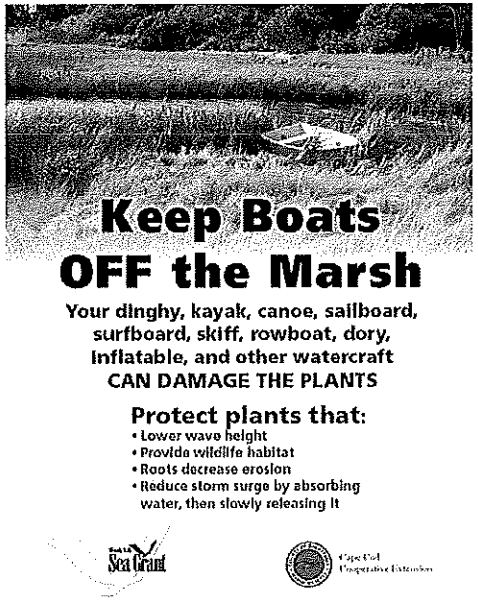


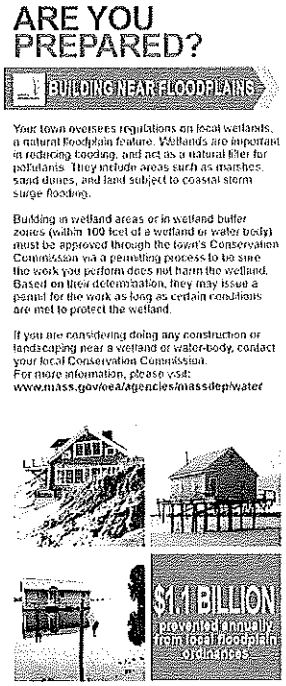


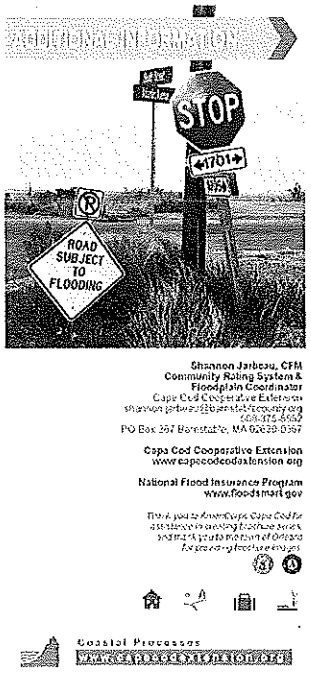


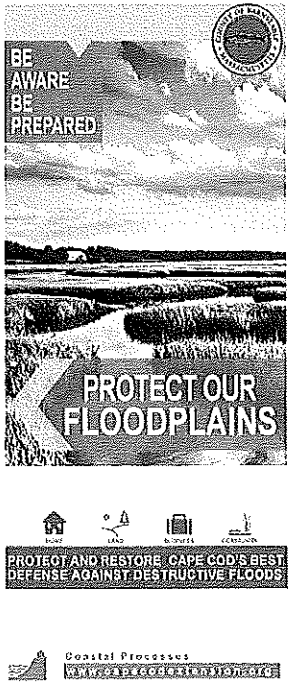




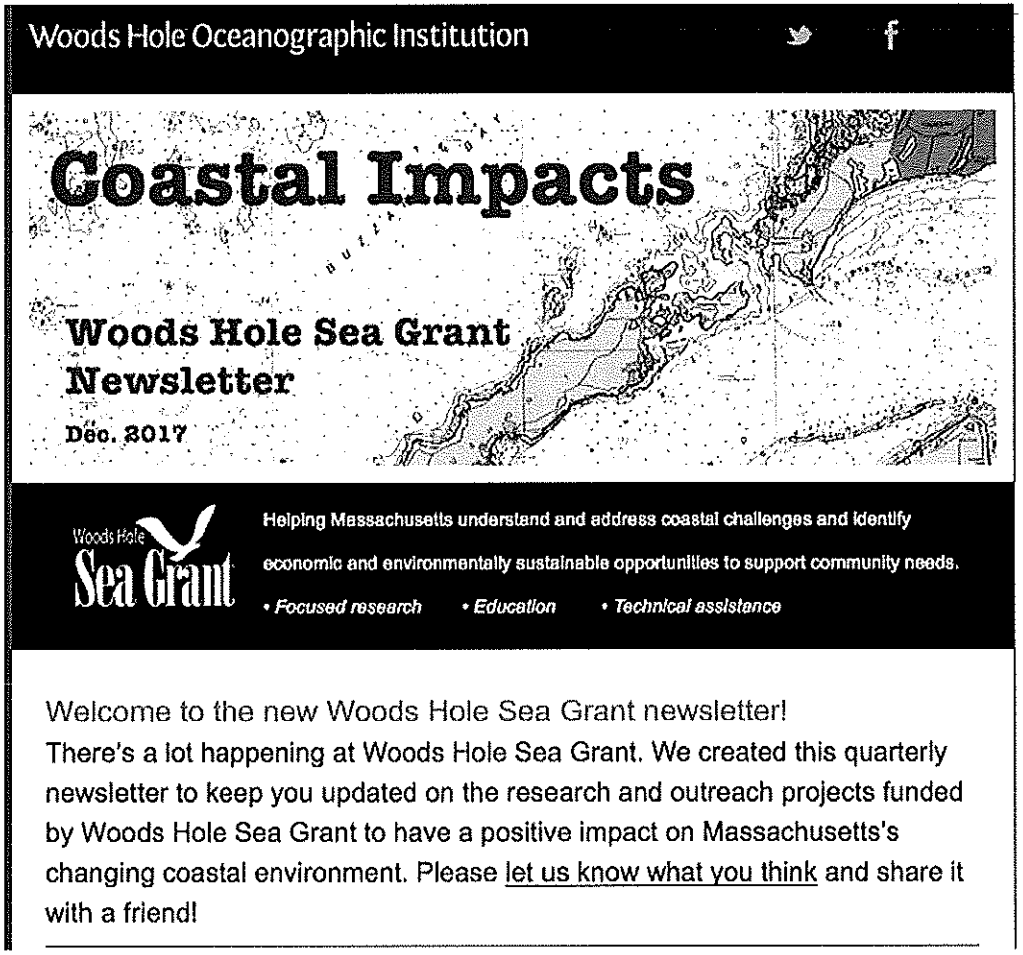








Newsletter



Woods Hole Oceanographic Institution

Coastal Impacts

Woods Hole Sea Grant Newsletter

Dec. 2017

Woods Hole Sea Grant

Helping Massachusetts understand and address coastal challenges and identify economic and environmentally sustainable opportunities to support community needs.

• *Focused research* • *Education* • *Technical assistance*

Welcome to the new Woods Hole Sea Grant newsletter!
There's a lot happening at Woods Hole Sea Grant. We created this quarterly newsletter to keep you updated on the research and outreach projects funded by Woods Hole Sea Grant to have a positive impact on Massachusetts's changing coastal environment. Please let us know what you think and share it with a friend!

Sign up at our website: www.whoi.edu/seagrant

Questions?

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE
Sea Grant