



WHOI Sea Grant's mission

is to enhance the practical use and conservation of coastal and marine resources by developing and sharing science-based knowledge to create a sustainable economy and environment for the diverse communities of Massachusetts.

A trusted source of expertise, our program bridges research, education and community outreach to boost resilience.

Economic and societal benefits



Creates and sustains jobs



Supports coastal businesses



Fosters environmental awareness



Trains the next generation of scientists

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WHOI Sea Grant is part of a nationwide network of 34 NOAA-funded Sea Grant college programs. It is based at the Woods Hole Oceanographic Institution on Cape Cod in Massachusetts.



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Putting science to work
for Massachusetts' coastal communities



**RESEARCH
EXTENSION
EDUCATION**

Research

WHOI Sea Grant supports the work of scientists and researchers in a wide variety of disciplines from institutions throughout Massachusetts and beyond. WHOI Sea Grant-funded projects focus on economically and environmentally important issues in the Massachusetts coastal environment.

Sea Grant researchers conduct cutting-edge work

- Fisheries and aquaculture
- Storms, erosion, flooding
- Marine life
- Marine debris
- Energy sources
- Climate change
- Water quality
- Tourism



Extension

In partnership with Barnstable County's Cape Cod Cooperative Extension, **WHOI Sea Grant's Extension team** applies science-based information to coastal resource issues through:

- Erosion management site-visits
- Support for towns in planning for coastal hazards
- Coordination of Community Rating System to help reduce flood insurance rates
- Technical assistance to aquaculture growers and shellfish wardens
- Monitoring water quality for aquaculturists, managers, and the public
- Public outreach and communications networks



Education

The **WHOI Sea Grant Education team** provides leadership in marine and coastal education, environmental literacy, and workforce development through:

- K-12 classroom visits
- Undergraduate and graduate education
- Fellowships
- Professional development workshops for educators
- Specialized training programs for industry
- Informal education for the general public



Our program focuses on four broad areas of national importance:

- Resilient communities and economies
- Healthy coastal ecosystems
- Sustainable fisheries and aquaculture
- Environmental literacy and workforce development