

A Smart Investment in Massachusetts' Coastal Economy



Woods Hole Sea Grant is one of 34 Sea Grant college programs and is based at the Woods Hole Oceanographic Institution. Highlights from Woods Hole Sea Grant's work in 2019* are detailed below.

In 2019, a federal investment in Woods Hole Sea Grant of \$1.1 million resulted in:

\$2.5 Million

Economic Benefit

130%

Return on Investment

Shellfish Propagation and
Aquaculture Training Program
\$1,824,866

Discounts on Flood Insurance
\$356,691

Coastal Erosion & Flooding Site
Assessments
\$297,180

Topics in Oceanography Workshops
for P-12 Educators
\$48,591

7,200

Pounds of shrink wrap recycled from boat owners on Cape Cod

People engaged in Sea Grant-supported informal and P-12 education programs

10,335

17,000+

Recreational harvesters who benefit from the shellfish propagation program

NOTABLE PROGRAM ACCOMPLISHMENTS

**Pioneering an Immersive STEM program for High School Girls**

Woods Hole Sea Grant partnered with Earthwatch Institute to design and deliver a hugely popular week-long, residential “Girls in Science” program for underserved, underrepresented high school girls from Massachusetts.

**Kickstarting a \$10 Million Federal Investment in Restoration of Massachusetts Cranberry Bogs**

Quantifying the contribution of cranberry bogs to estuarine nitrogen loads allowed for identification of bogs best suited for new management approaches or retirement and helped accelerate restoration to wetlands through a major federal investment.

**Assisting Massachusetts Shellfish Growers to Diversify Products Beyond Oysters**

Recognizing the need to expand beyond oysters grown for the half-shell market, partners were able to trial grow Atlantic surf clams at their farm and prompted a number of growers to order surf clam seed.

**Helping Guide Cape Cod Towns Through Coastal Hazards Preparedness**

Towns were led through identification of climate-related hazards and high-risk areas before developing a ranking of priority actions to increase their resilience and creation of plans to secure funding.