

# A smart investment in our coastal economy



Fall 2019

**34**

University-based programs

**207,773**

Acres of habitat restored or protected

**270,369**

Volunteer hours

**1,043**

Training events provided to communities

**897,872**

K-12 students reached

For over 50 years, the National Sea Grant College Program (Sea Grant) has supported coastal and Great Lakes communities through research, extension and education. 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.

**1,663**  
businesses created or sustained



**7,621**  
jobs created or sustained

In 2018, a federal investment in Sea Grant of \$76.5 million resulted in

**\$624M**  
ECONOMIC  
BENEFIT

Research  
Extension  
Education

nearly

**600**

SEA GRANT EXTENSION AGENTS

are stationed in communities across the country to advance understanding of coastal and fisheries science for communities and economies that are more resilient.



Metrics are direct results of Sea Grant work between February 1, 2018 and January 31, 2019 as reported by Sea Grant programs in June 2019. Economic benefit = market and non-market value of Sea Grant's work; value of jobs and businesses (\$523.3M) as well as total leveraged funds (\$93M) and value of volunteer hours (\$6.7M).

# Sustainable Fisheries and Aquaculture



## 23,740

People modified practices based on knowledge of fisheries sustainability and seafood safety gained in Sea Grant activities



Sea Grant work on sustainable fisheries and aquaculture includes: advancing aquaculture through research and informing regulation, sustaining wild fisheries through research to test new catch strategies, listening and responding to needs of fishing communities, and training young fishermen and aquaculture professionals such as through Maine Sea Grant's Aquaculture in Shared Waters training program.

## 2,015

Seafood HACCP safety certifications as a result of Sea Grant training

## Healthy Coastal Ecosystems



## 3,809

Resource managers used ecosystem-based management (EBM) tools as a result of Sea Grant's work

Sea Grant work on healthy coastal ecosystems includes: research to understand ecosystem change and test new recovery techniques, identifying and testing new methods to mitigate water pollution sources, guidance and expertise on planning and management, and monitoring and habitat restoration efforts, such as California Sea Grant's restoration work with partners and citizen science programs to remove trash and invasive species and plant native species in the San Diego Canyon.

## Resilient Communities and Economies



## 269

Communities improved resilience

Sea Grant work on resilient communities and economies includes: long-term community planning, climate and ecological research, social science research to communicate more effectively, increasing access to existing tools, helping communities identify needs and solutions, and disaster recovery, such as Louisiana Sea Grant's partnership with FEMA and others to strategize optimal paths to flooding recovery and future damage prevention with affected communities.

## Environmental Literacy and Workforce Development



## 1,994

Undergraduate and graduate students supported

Sea Grant work to advance environmental literacy and workforce development includes: fellowship opportunities, on-the-job training, support for undergraduate and graduate research, experiential education programs, educational tourism programs, and teacher training workshops, such as the Shipboard Science workshop which provides teachers with hands-on Great Lakes science experience aboard a research vessel. The workshop is organized by seven Sea Grant programs supported by several partners.