

# A smart investment in our coastal economy



Winter 2019

33

University-based programs

710,332

Acres of habitat restored or protected

335,941

Volunteer hours

1,099

Training events provided to communities

798,428

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.

2,500  
businesses created or sustained



12,500  
jobs created or sustained

In 2017, a federal investment in Sea Grant of \$72.5 million resulted in

\$579M  
ECONOMIC  
BENEFIT

Research  
Extension  
Education

over

500

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, 2017 and January 31, 2018 as reported by Sea Grant programs in June 2018. Economic benefit = market and non-market value of Sea Grant's work; value of jobs and businesses (\$537M) as well as total leveraged funds (\$34M) and value of volunteer hours (\$8M).

# Sustainable Fisheries and Aquaculture



Sea Grant invested over **\$23M** in aquaculture between 2015-2017



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 such as through the Young Fishermen's Summit organized by Alaska Sea Grant.

**2,061**  
Seafood HACCP safety certifications as a result of Sea Grant training

## Healthy Coastal Ecosystems



**4,634**  
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, monitoring and habitat restoration efforts with partners, citizen science programs, identifying and testing new methods to mitigate water pollution sources, and guidance and expertise on planning and management such as efforts by USC Sea Grant and partners to develop and use models to inform wetland restoration projects in southern California.

## Resilient Communities and Economies



**462**  
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 storm recovery including work by Texas Sea Grant to get fishermen back to work following Hurricane Harvey.

## Environmental Literacy and Workforce Development



**1,804**  
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 a hands-on workshop in climate change and renewable energy for pre-school and daycare educators provided by Delaware Sea Grant.