

Hawai‘i Sea Grant is one of 33 Sea Grant college programs and is based at the University of Hawai‘i Mānoa.



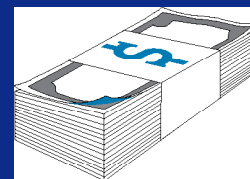
The City and County of Honolulu will strengthen critical infrastructure to be more resilient to coastal hazards. Credit: Hawai‘i Sea Grant

## Hawai‘i Sea Grant helps Honolulu secure a \$1M grant to become more resilient to natural disasters

Hawai‘i Sea Grant assisted the City and County of Honolulu, Hawai‘i on a joint application that resulted in a \$1 million grant from the non-profit 100 Resilient Cities to improve Honolulu’s resilience to current physical, social and economic challenges. Honolulu’s mid-Pacific location and heavy reliance on imported goods and services makes it highly vulnerable to natural disasters including hurricanes, tsunamis, flooding and rising sea levels. The 100 Resilient Cities grant will improve Honolulu’s critical coastal infrastructure, such as the airport, power plants, port and harbors, to improve the City’s resilience to coastal hazards and identifies Hawai‘i Sea Grant as a critical partner in project implementation.

**\$4.3 M**

Economic benefit



**312,000**

K-12 students reached

**780**

Seafood professionals trained to adopt safe and sustainable harvest practices



Metrics reported to National Sea Grant Office in June 2017 for work completed February 2016 to January 2017



RESEARCH

EXTENSION

EDUCATION

## Hawai'i Sea Grant and partners awarded \$20M U.S. National Science Foundation grant focusing on water sustainability



Pools and waterfalls at 'Ohe'o Gulch, Haleakala National Park, Maui, Hawai'i.  
Credit: Hawai'i Sea Grant

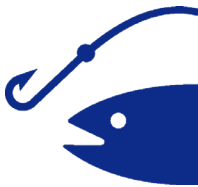
To help the state of Hawai'i address challenges related to water sustainability, Hawai'i Sea Grant is partnering on a five-year, \$20 million National Science Foundation Experimental Program to Stimulate Competitive Research (NSF EPSCoR) grant awarded to the University of Hawai'i System. The cross-disciplinary project, named 'Ike Wai, symbolizes knowledge ('ike) of water (wai), and integrates research, education, and community engagement to develop effective decision-making tools that improve water policy, planning, and stewardship for the state.

[seagrant.soest.hawaii.edu](http://seagrant.soest.hawaii.edu)

**“Hawai'i Sea Grant has been instrumental in the advancement of emergency management programs in Hawai'i. We count on them to provide sound technical advice and collaborate on key City projects to increase our resilience to natural hazards. We are grateful for their continued partnership.”**

- Melvin Kaku, Director, Honolulu Department of Emergency Management

### Integrating Indigenous Knowledge with Western Science



The Hawai'i Sea Grant “Na Kilo ‘Āina” program builds capacity in natural resource management by training community members and students in the integration and application of indigenous knowledge and fisheries research. In 2016, a graduate student in the program was hired by a local non-profit as the project coordinator for Hawai'i's first community-based subsistence fishery area.

### Providing Technical Assistance to Combat Coastal Erosion



In 2016, Kauai County, Hawai'i, made an informed decision to utilize a soft shoreline armoring approach to mitigate coastal erosion issues in place of extending a current seawall in Kapaa based on information provided by a Hawai'i Sea Grant technical report. The report indicated that extending the seawall could protect the target area, but would actually accelerate erosion in areas north of the wall.

### Designating the 29th National Estuarine Research Reserve



In 2016, Hawai'i Sea Grant was invited to participate on the research focus group for the He'eia watershed on Oahu. Hawai'i Sea Grant's participation in the focus group informed the development of a He'eia site management plan, which facilitated and supported the designation of He'eia as the 29th NOAA National Estuarine Research Reserve.