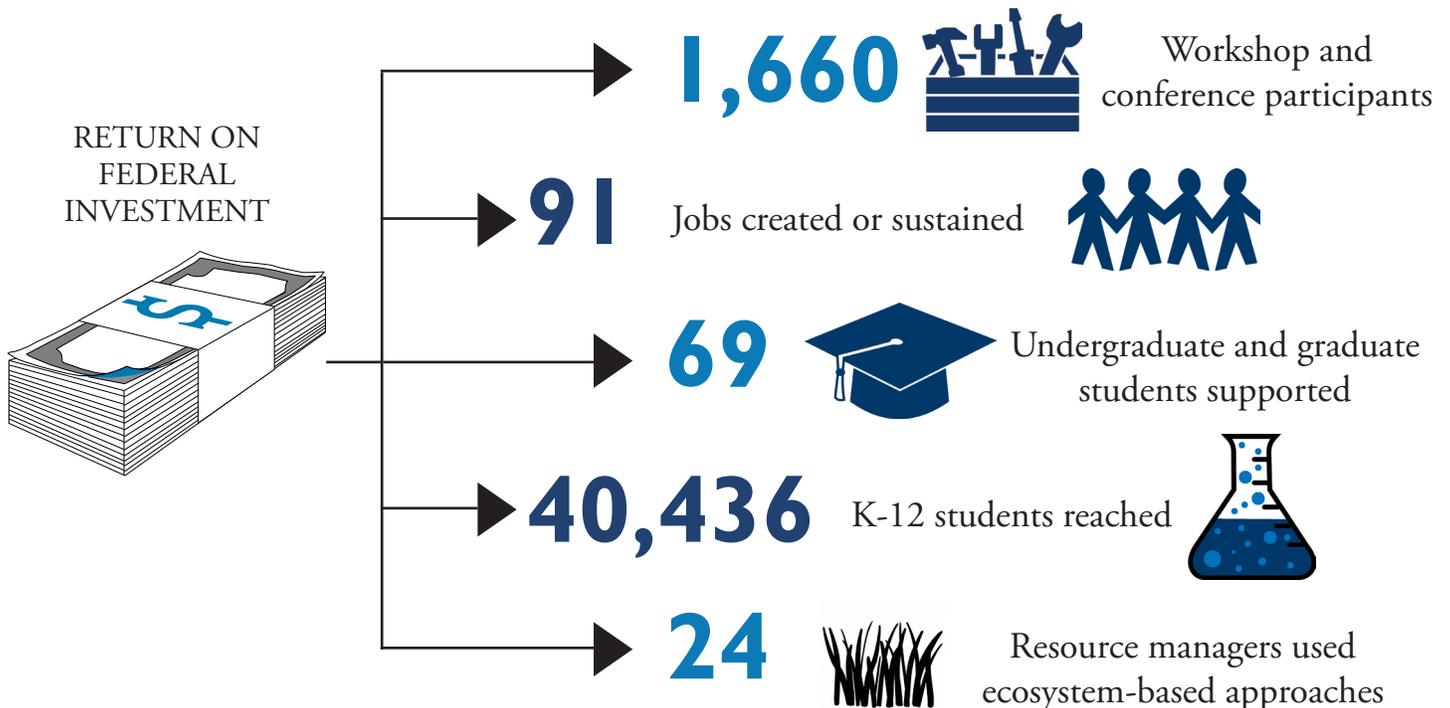


# OREGON SEA GRANT

**\$8.4 M**  
economic impact in 2015

*Metrics reported to National Office in June 2016  
for work completed Feb 2015 to Jan 2016.*



## Sea Grant saves the U.S. Coast Guard \$600,000 on a wave simulator for cadets

**“Thank you for your guidance and assistance in helping us acquire and configure our wave tank here at the Coast Guard Academy. We could not have pulled this off without your hard work and assistance.”**

- Pete Tebeau,  
Coast Guard Academy instructor

The U.S. Coast Guard Academy wanted to install a wave simulator at its campus in Connecticut as a hands-on supplement to its coursework in wave physics, shore dynamics, rescue operations, and oil spill/contaminant movement. Oregon Sea Grant shared its designs and list of contractors it used to build a similar tank at the Hatfield Marine Science Center (HMSC). The academy built the wave simulator to better prepare its approximately 900 cadets for harsh wave conditions in coastal waters, and saved a total of \$600,000 due to Oregon Sea Grant’s guidance. [hmsc.oregonstate.edu/visitor-center](http://hmsc.oregonstate.edu/visitor-center)



Sign directs people to seek higher ground on Safe Haven Hill. Credit: Tiffany Woods

**“This [interactive website] is a very handy tool, especially being able to compare different locations. Definitely brings into focus what’s necessary to have on hand and in the back of your mind.”**

- “Aftershock” interactive website user

## **Interactive website helps Oregon communities prepare for potential earthquake and tsunami**

A July 2015 article in *The New Yorker* detailed the worst-case scenario of a tsunami-earthquake combination devastating the Oregon coast. The story mentioned that there is a one-in-three chance of a magnitude 8.0 to 8.6 earthquake in the Cascadia subduction zone in the next 50 years. Oregon Sea Grant responded by changing the narrative from fear to preparation.

An Oregon Sea Grant fellow worked with the Oregon Infrastructure Finance Authority to administer a \$300 million grant program for public renovations in seismically vulnerable areas. That same fellow helped develop an educational, interactive earthquake preparedness website called *Aftershock* that was viewed approximately 250,000 times in its first six months.  
[opb.org/aftershock](http://opb.org/aftershock)

## **Sea Grant research concludes tuna are safe to eat after Fukushima disaster**

The 2011 Fukushima nuclear plant catastrophe resulted in public concern about consuming albacore tuna, an Oregon fishery worth upwards of \$18 million annually. Oregon State University researchers tested the radioactive levels in albacore, a highly migratory fish in the North Pacific Ocean. Testing indicated that albacore carry slightly elevated radioactive levels, but that these levels pose little to no health concerns.

Oregon Sea Grant helped the public make informed decisions about eating tuna by training scientists and students to effectively communicate the potential dangers of consuming the fish. Sea Grant staff continue efforts to educate the public that albacore tuna is safe to eat.  
[seagrant.oregonstate.edu/sites/seagrant.oregonstate.edu/files/e15006.pdf](http://seagrant.oregonstate.edu/sites/seagrant.oregonstate.edu/files/e15006.pdf)



### Contact information

Shelby Walker, Ph.D. Director, Oregon Sea Grant, [shelby.walker@oregonstate.edu](mailto:shelby.walker@oregonstate.edu), Office: (541) 737-3396