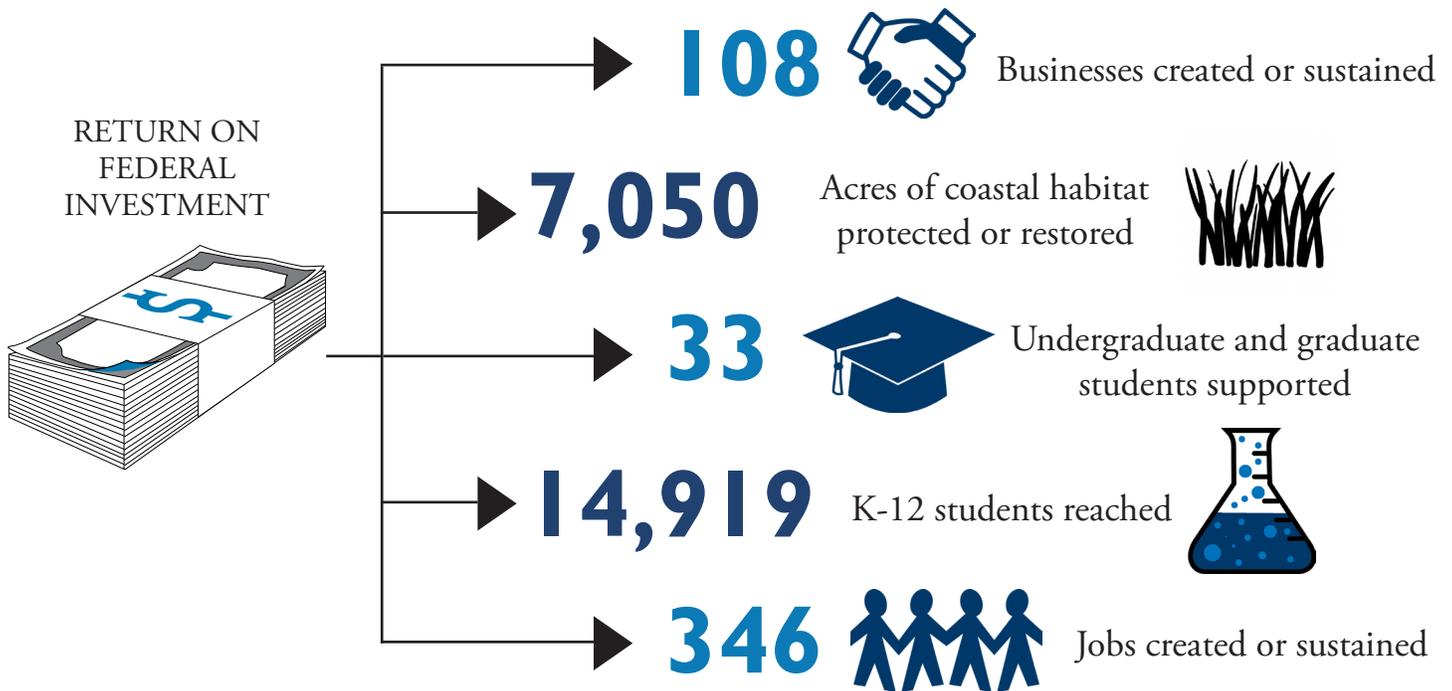


# MINNESOTA SEA GRANT

**\$10M**  
economic impact in 2015

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



## Sea Grant helps sustain commercial operations in major Great Lakes port



Sea Grant informs ways to recycle dredge materials in Port of Duluth-Superior.  
Credit: Chris Benson

Over 100,000 cubic yards of dredge material are moved each year from the Port of Duluth-Superior harbor to maintain commercial operations in the Great Lakes. The Duluth-Superior Contained Disposal Facility (CDF) is currently at capacity and a new facility would cost over \$35 million. Minnesota Sea Grant, in conjunction with Wisconsin Sea Grant and the Harbor Technical Advisory Committee, developed a strategy to partner with state agencies responsible for permitting and using dredge materials. Efforts to reuse clean dredge material in other projects around the state have eliminated the need for a new CDF and saved the state and port millions of dollars.

[seagrant.umn.edu/maritime](http://seagrant.umn.edu/maritime)



Sea Grant helps officials grasp land use and water quality linkages. Credit: Chris Benson

**“Takeaways [from NEMO training] for me... grant opportunities help fund activities necessary to maintain the quality and vibrancy of our water bodies.”**

- Richard Manser,  
NEMO training participant in Edina, MN

## **Sea Grant training inspires local officials to improve water quality**

Nutrients and waste pollution from land reduce water quality within the St. Croix Watershed. Nonpoint Education for Municipal Officials (NEMO) is a national initiative to train local leaders in ways to better protect the quality of water in their communities.

Minnesota Sea Grant coordinates a team of university, state agency and water professionals to design and deliver NEMO programs within the St. Croix Watershed. Programs include the annual Workshops-on-the-Water and a project that has brought Minnesota Minimal Impact Design Standards to nine communities. In 2015, Workshops-on-the-Water reached 77 local officials and community leaders who praised the workshops' high educational worth and indicated strong interest to pursue actions related to stormwater management. [seagrant.umn.edu/water\\_quality](http://seagrant.umn.edu/water_quality)

## **Sea Grant rallies community support to prevent the spread of economically damaging aquatic invasive species**

Managing the spread of economically and environmentally damaging aquatic invasive species (AIS) can be accomplished by working with people most likely to interact with AIS including boaters, anglers, aquarium hobbyists, water gardeners, students and educators.

In 2015, Minnesota Sea Grant designed and distributed 25,800 educational products that reached approximately 12,900 people, increasing awareness to reduce the spread of aquatic invasive species. Over the last five years, local businesses donated time to help distribute these and other educational products saving Minnesota Sea Grant at least \$156,740 in distribution costs. Survey analyses show that more people are cleaning their boats, educating others and finding new homes for unwanted pet fish as a direct result of these education efforts. [seagrant.umn.edu/ais/index](http://seagrant.umn.edu/ais/index)



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