



# National Aquaculture Portfolio

## Activities and Opportunities

Spring 2022

Sea Grant continues to be a leader in supporting sustainable U.S. aquaculture development. Learn about on-going projects supported by Sea Grant funding in recent years.

**2018**

### Sea Grant National Aquaculture Initiative

22 projects funded with \$11M in federal grants to accelerate U.S. aquaculture research

▶ [See the list of projects](#)

**2019**

### Advanced Aquaculture Collaborative Programs - Hubs

11 projects funded with \$12.2M in federal grants to develop integrated teams of professionals focused on accelerating the development of specific aquaculture topics

▶ [See the list of projects](#)



The AquaFort, a 2018 Sea Grant-funded marine aquaculture research project, engages local fishermen in the daily operations of raising steelhead trout, mussels and sugar kelp in a marine aquaculture platform located at the mouth of the Piscataqua River near New Castle, NH. Credit: New Hampshire Sea Grant

### Exploring New Aquaculture Opportunities

16 projects funded with \$1.5M in federal grants, focusing on the development of new, and at times higher-risk, topics for which minimal foundation currently exists to inform and focus potential future investments

▶ [See the list of projects](#)

### Social, Behavioral, and Economic Research Needs in Aquaculture

16 projects funded with \$3.3M in federal grants to address critical gaps in social, behavioral, and economic knowledge as it relates to U.S. aquaculture and the communities impacted and served by it

▶ [See the list of projects](#)

**2020**

### Aquaculture Supplemental Funding

27 eligible Sea Grant programs received a total of \$5.1M in federal grants directed at aquaculture research, extension, education or communication activities

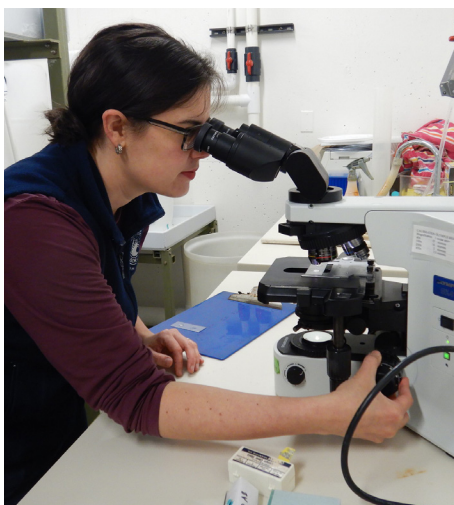
▶ [See the list of projects](#)

### COVID-19 Rapid Response Funding

\$3.4M in federal funds distributed evenly to all 34 Sea Grant programs to respond to the needs of seafood resource industries of coastal and Great Lakes communities affected by the pandemic

▶ [See the list of projects](#)

▶ [Relief that Restores storymap](#)



Kristin Aquilino takes a look through a microscope at white abalone egg fertilization. Credit: California Sea Grant

**More information at [seagrant.noaa.gov/aquaculture](https://seagrant.noaa.gov/aquaculture)**



**2021**

### Addressing Economic and Marketing Needs of the U.S. Aquaculture Industry

12 projects funded with \$4.7M in federal grants to advance the understanding of the economics of aquaculture businesses and provide the industry with important market information to aid sustainable growth in the U.S.

▶ See the list of projects

### National Aquaculture Extension Coordinator

\$600K to fund four years of collaboration between Sea Grant and NCCOS to conduct outreach focused on coastal science products developed by NCCOS, marine spatial planning efforts, and workshops on marine aquaculture siting

▶ See the list of projects

### “Food From the Sea” Careers Program

11 projects funded collaboratively with \$900K between Sea Grant and NOAA’s Office of Sustainable Fisheries for collaborative work with members of the fishing industry to identify training needs and develop resources

▶ See the list of projects



As part of the eeBLUE Aquaculture Literacy Mini-Grants Program, science teachers from Brunswick High School in Maine explore the Canopy Farms aquaponics facility. Credit: Pamela King

### Addressing the Impacts of Multiple Stressors on Shellfish Aquaculture through Research/ Industry Partnerships

4 projects funded collaboratively with \$2.4M between Sea Grant and the NOAA Ocean Acidification Program to address the impacts of multiple stressors on and increase resilience in shellfish aquaculture through research and industry partnerships

▶ See the list of projects

### eeBLUE Aquaculture Literacy Mini-Grants Program

\$150K to support 10 projects funded collaboratively between the North American Association for Environmental Education and NOAA (Office of Education, National Marine Fisheries Service and Sea Grant) that enhance aquaculture literacy

▶ See the list of projects

### Addressing COVID-19 Impacts to Seafood Resources

13 projects funded with \$2.9M in federal grants to continue/expand efforts to address COVID-19 impacts to seafood resources

▶ See the list of projects

**2022**

### Funding opportunities are underway for 2022

In 2022, Sea Grant will expand support for aquaculture through supplemental funding to eligible Sea Grant programs and additional support for the Aquaculture Hubs, and by launching a NOAA- and U.S. Department of Agriculture-supported Aquaculture Information Exchange community. Sea Grant will also advance aquaculture research specifically focused on juvenile production technologies for marine finfish and early stage propagation strategies for aquaculture species.

### Online Resources and Ways to Engage with Sea Grant Aquaculture



#### National Aquaculture Hubs

Learn about and connect with all 11 Aquaculture Hubs (2019 funding) with this collection of web pages.



#### Aquaculture Research Symposia

Two virtual symposia brought together researchers involved in projects funded through the 2019 competitions. See the presentations of their work and findings online.



#### Aquaculture Research, Education and Engagement Plan

This plan provides the results of a Sea Grant-supported Great Lakes and marine aquaculture research, education and engagement needs assessment, helping to identify stakeholder needs which are appropriate for Sea Grant investments.



#### Aquaculture/Seafood Resources Regional Chats

The National Sea Grant Office hosts monthly regional chats to discuss seafood-related topics and updates. Email oar.hq.sg.aquaculture@noaa.gov to join.