



COLLEGE OF FISHERIES
AND OCEAN SCIENCES

University of Alaska Fairbanks

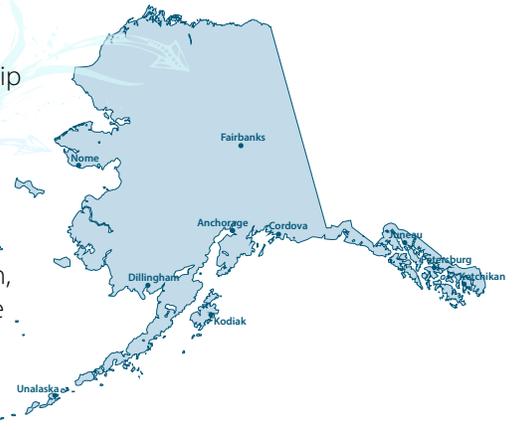


"This is always a welcome event for me, since my office is able to help out with the summit's agenda, and we meet face to face with many intrepid young fishers.... The Alaska Young Fishermen's Summit is all about building future leaders in coastal Alaska."

—State Representative Bryce Edgmon from Dillingham

AlaskaSeaGrant.org

Alaska Sea Grant is a partnership between NOAA and the University of Alaska Fairbanks. Sea Grant has been working in Alaska for over 46 years supporting healthy coastal resources, strong economies and vibrant communities through research, education, and outreach via 12 Marine Advisory agents who live and work in eight coastal communities.



Enhancing Coastal Economies

- The FishBiz Project provides training, technical assistance and an online portal of tools for commercial fishermen looking to enter the business, diversify and expand or exit the industry. This year's online "Introduction to Direct Marketing Your Seafood" class brought together 20 participants from 16 communities across Alaska.
- Alaska Sea Grant has invested over \$2.5 million in research and outreach support in Alaska's growing mariculture industry over the last 10 years, including the potential for growing seaweed as a new Alaska industry.
- Seafood product development by Alaska Sea Grant Marine Advisory specialists, supported by industry grants, has led to new uses for pollock skins and identified temperature freezing requirements for new salmon products.

Training Alaska's Workforce

- Seafood processing training offered by Alaska Sea Grant meets the industry's identified needs. More than 250 seafood processors from 40 companies statewide participated in training in 2016, based at the Kodiak Seafood and Marine Science Center, in leadership, quality standards and product development.
- The Alaska Young Fishermen's Summit was held for the sixth time in Juneau in 2016. Over 350 young, professional commercial fishermen have attended the summits. Of those, 95% are still fishing, over 70% have attended or participated in the regulatory process and over 60% have joined or started an industry association.
- The Alaska Sea Grant State Fellowship, the Sea Grant Knauss Fellowship and graduate student traineeships all build the next generation of Alaska resource managers. Three Alaska State Fellows, two Knauss Fellows and 18 graduate students are currently working with Alaska Sea Grant support.

Research Contributes to Community Priorities

- The project "Graying of the Fleet: Understanding the Problem and Developing Alternatives" examines the fisheries in Kodiak and Bristol Bay, identifying barriers to next generation entry to inform public policy and programs.
- The AKCRRAB program identifies how red and blue king crab can be raised to juvenile stages in the hatchery, and potentially released to enhance the wild population.

- The “Economic Viability of a Directed Skate Fishery” provided information to the North Pacific Fishery Management Council and the fishing fleet on how to best move the skate fishery from bycatch to a directed fishery.
- Alaska Sea Grant is working with state, tribal and federal partners to develop a harmful algal bloom statewide network to support the subsistence harvest of shellfish and human health.

Linking Science with Communities and K–12 students

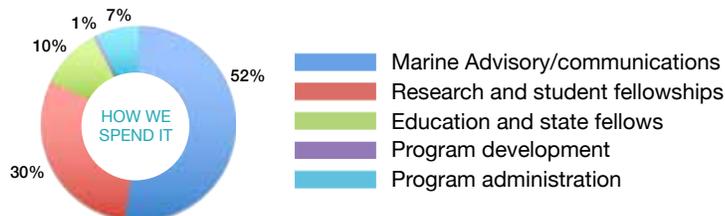
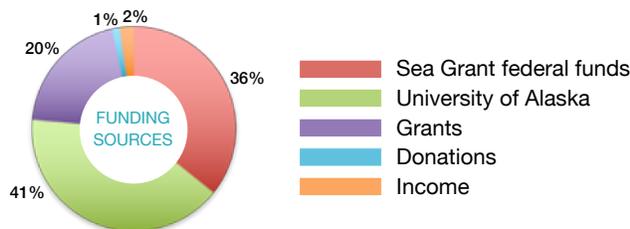
- Alaska Sea Grant’s *Alaska Seas and Watersheds* curriculum school grant program supports seas and watershed celebrations and teacher education in 19 communities including Juneau, Anchorage, Dillingham, Petersburg, Cordova, Unalaska, Yakutat and others. Last year 1,600 K–12 students and 133 educators learned from Alaska Sea Grant’s marine literacy programs. All 3,750 Anchorage 4th graders learn about their local watershed each year using the Alaska Sea Grant curriculum.
- Local residents in Cordova, Unalaska, Dillingham, Petersburg, Kodiak and Nome connected with researchers working in their region through Alaska Sea Grant–sponsored community science lectures and conferences. More than 1,000 adults attend these lectures each year.
- Alaska Sea Grant Marine Advisory agents coordinate and support coastal community monitoring programs in the state, investigating trends in marine mammal health, paralytic shellfish toxins and potential range extension of invasive marine species.



Leveraging Federal Funds to Serve Alaska

Alaska Sea Grant leverages its federal funds with University of Alaska state funds, external grants, donations and program income. Our federal dollars increase threefold through these sources, and partnerships are critical to all of Alaska Sea Grant’s work. FY16 total budget is \$5,700,000.

Funding sources		Expenditures	
Sea Grant federal funds	\$2,082,496	Marine Advisory Program/communications	\$3,031,747
University of Alaska funds	\$2,336,603	Research and student fellowships	\$1,727,335
Grants	\$1,136,700	Education and state fellows	\$597,586
Donations cash and in-kind	\$73,274	Program development	\$37,521
Program income <i>publications, workshops</i>	\$127,662	Program administration	\$409,906



“The University of Alaska Fairbanks is very proud of the work and efforts Alaska Sea Grant is achieving, and its impacts on the industry, K-12 and gradate students, and supporting them is extremely valuable. One of the challenges for the state is “brain drain.” UAF and the State are asking Alaska Sea Grant for help to grow an education culture in Alaska, this is vital to economic growth and Alaska’s position in the global arena.”

—UAF Interim Chancellor Dana Thomas



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