



UA is actively working on expanding opportunities in mariculture.

Mariculture, North Pacific Fisheries, Arctic and Pacific North Ocean Sciences \$7.0M

Alaska's coastline is longer than all other 49 states combined, and roughly two-thirds of the nation's fishery is harvested from Alaskan waters. Within the state, the combined seafood and fishery industries are the largest private employer. At the same time, environmental factors threaten continued success of wild harvest. A new industry is emerging, seaweed and shellfish farming, called mariculture. UA is actively working on expanding opportunities in mariculture. Mariculture can become the economic driver for the state as the field is only in its infancy. There are applications for pharmaceuticals, food additives, and food stability. The Governor's Mariculture Task Force set a goal to grow a \$100 million industry in 20 years, with university training and research and development being critical to reaching this goal. UAF and UAS coordinate with state and federal agencies in fisheries, mariculture, and ocean sciences making UA a leader in these arenas. Investment will increase Alaska's market share in a global economy.

Investment Priorities

- Funding (\$5.0M) would support efforts to build capacity in Decision Support for Production Scale Development (including graduate workforce research and partnerships) to:
 - build workforce capacity in Fisheries/Mariculture for reducing harmful algal blooms pervasive in Alaska;
 - develop a decision support tool for stakeholders to assess economic feasibility of production-scale hatchery supported mariculture in Alaska;
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