

Maine Marine Research Fund

The Marine Research Fund, established by the Maine State Legislature and administered by Maine Technology Institute (MTI), awarded grants in 2002 of \$923,682, with a total match commitment of \$2,393,437. Grant funds were dedicated to capital investments in infrastructure and/or equipment fostering marine research capacity and productivity. Six research projects were selected through a competitive review process and have now been completed, as follows:

2002

<p>Bates College Lewiston Investigation of terrestrial organic carbon cycling and human impact on Maine coastal environments</p>	<p>Grant: \$168,866</p>	<p>Match: \$187,098</p>
<p>Bigelow Laboratory for Ocean Sciences Boothbay Harbor High-resolution scanning electron microscopy for oceanographic research: the biodiversity of marine protists</p>	<p>Grant: \$175,044</p>	<p>Match: \$374,858</p>
<p>Downeast Institute for Applied Marine Research & Education Beals Field-based nurseries for hatchery-reared American lobster, <i>Homarus americanus</i>, postlarvae: Effects of development stage, stocking density, subtidal location, and other factors on growth and survival</p>	<p>Grant: \$184,423</p>	<p>Match: \$399,099</p>
<p>Maine Geological Survey Augusta Three-dimensional beach and nearshore bathymetric surveys and sand budgets</p>	<p>Grant: \$76,961</p>	<p>Match: \$404,933</p>
<p>Mount Desert Island Biological Laboratory Salisbury Cove Establishment of permanent cell lines of model marine tissues</p>	<p>Grant: \$221,633</p>	<p>Match: \$759,220</p>
<p>University of New England Biddeford Seasonal movements of habitat use by striped bass in Saco River and adjacent waters of the Gulf of Maine</p>	<p>Grant: \$96,354</p>	<p>Match: \$268,227</p>

2003

In 2003, the Marine Research Fund was re-named the Marine Infrastructure and Technology Fund. The Marine Infrastructure and Technology Fund awarded grants that year totaling \$946,976, with an overall match commitment of \$1,784,120. Grant funds were dedicated to capital infrastructure and equipment fostering marine research capacity and productivity. Six infrastructure projects were selected through a competitive review process as follows:

2003

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Bigelow Laboratory for Ocean Sciences West Boothbay Harbor Facilities to Catalyze a Center for Ocean Microbial Systems Science	Grant: \$160,000	Match: \$700,000
Downeast Institute for Applied Marine Research & Education Beals Purchase of facility to create infrastructure and enhance capacity for marine research in Downeast Maine	Grant: \$450,000	Match: \$500,000
Gulf of Maine Ocean Observing System Portland Development of Small-scale Real-time Oceanographic Buoys for Use in Near Shore Environments: New Meadows River Estuary Case Study	Grant: \$150,000	Match: \$225,525
Maine Aquaculture Innovation Center Orono An Ecological Assessment of Phytoplankton Standing Stock and a Grazing Budget of Farm-raised Oysters in the Damariscotta River	Grant: \$48,000	Match: \$74,500
Maine Department of Marine Resources West Boothbay Harbor Technology to Improve and Supplement the Information Gathered on the Maine-New Hampshire Inshore Trawl Surveys	Grant: \$38,976	Match: \$127,000
Wells National Estuarian Research Reserve Wells Accommodations to Enhance Research by Scientists Visiting the Wells National Estuarine Research Reserve	Grant: \$100,000	Match \$157,000

2005

In 2005, the Maine Marine Research Fund returned to its original name. The Maine Marine Research Fund awarded grants totaling \$3,999,856 with a total match commitment of \$5,168,157 to date. Grant funds were dedicated to infrastructure and equipment needed to conduct high-quality, scientifically rigorous marine research programs that have positive economic impact on the State of Maine. Fifteen projects were selected through a competitive process and funded as follows:

Bigelow Laboratory for Ocean Sciences West Boothbay Harbor Addition of a Slocum Glider to the Gulf of Maine/North Atlantic Time Series	Grant: \$141,200	Match: \$141,200
Bigelow Laboratory for Ocean Sciences West Boothbay Harbor Establishment of a LC-GC-MS Facility for Research & Education in Marine Sciences	Grant: \$346,000	Match: \$350,650

2005

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Gulf of Maine Ocean Observing System Portland Preserving & Enhancing the Infrastructure of the GoMOOS as a Stimulant to Marine Research & Development in Maine	Grant: \$500,000	Match: \$565,464
Gulf of Maine Research Institute Portland Coast of Maine Passive Acoustic Sensor System	Grant: \$85,000	Match: \$86,478
Gulf of Maine Research Institute Portland Ecosystem approaches to investigating fisheries in the Gulf of Maine	Grant: \$85,000	Match: \$85,000
Gulf of Maine Research Institute Portland Mobile Fishing Gear Monitoring Equipment	Grant: \$143,039	Match: \$211,105
Gulf of Maine Research Institute Portland Oceanographic equipment in support of ecosystem-based fisheries management: transport & distribution of early life stages of fish & their planktonic prey	Grant: \$173,780	Match: \$183,173
Maine Aquaculture Innovation Center Orono, Walpole Enhancement of Aquaculture Research & Incubator Facilities at the Darling Marine Center	Grant: \$94,500	Match: \$101,565
Maine Aquaculture Innovation Center Orono, Franklin Expansion of Maine's Aquaculture Business Incubation Facilities at the Center for Cooperative Aquaculture Research	Grant: \$266,200	Match: \$270,185
Maine Department of Marine Resources West Boothbay Harbor Infrastructure to support Lobster, Urchin, Aquaculture & Educational Research	Grant: \$167,235	Match: \$175,017
Mount Desert Island Biological Laboratory Salisbury Cove Marine Imaging Center at the Mount Desert Island Biological Laboratory	Grant: \$362,770	Match: \$426,851
University of Maine, Center for Cooperative Aquaculture Research Franklin Enhancement of Facilities in support of sustainable alternative marine aquaculture in Maine	Grant: \$485,000	Match: \$1,172,685

2005

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University of Maine at Machias Machias	Grant: \$255,000	Match: \$349,346
Integration of research into training & outreach programs at University of Maine Machias: a 5-year study of the effects of human perturbations on commercially important shellfish in Downeast Maine		
University of Maine Orono Orono	Grant: \$395,205	Match: \$417,205
Equipment for the Maine Aquatic Animal Health Lab & Marine Environmental Samples Repository		
University of New England Biddeford	Grant: \$499,927	Match: \$632,233
A Coastal Observing System for Saco Bay		