

OBJECTIVE	FUNDING
Stock Assessment and Population Dynamics	\$27,439,000
<i>Distribution and Movements (surveys, tagging)</i>	\$6,746,000
<i>Size / abundance (surveys, estimation)</i>	\$6,678,000
<i>Stock assessment</i>	\$3,475,000
<i>Population genetics /stock delineation</i>	\$2,678,000
<i>Vital rates (survival, mortality, growth, R)</i>	\$2,442,000
<i>Trends</i>	\$2,205,000
<i>Population dynamics (modeling, sustainability, K, OSP)</i>	\$2,167,000
<i>Structure (ages, sex ratio)</i>	\$1,048,000
Technology Development	\$12,421,000
<i>Acoustic detection, classification and localization algorithms / models / software</i>	\$3,575,000
<i>Imaging / Image analysis (e.g., photographic, satellite, digital)</i>	\$1,115,000
<i>Database design / development / maintenance / archiving</i>	\$1,051,000
<i>Mathematical / Statistical / Simulation models</i>	\$981,000
<i>Biological testing methodologies</i>	\$966,000
<i>Habitat mapping / modeling</i>	\$891,000
<i>Tags / Telemetry devices</i>	\$820,000
<i>Acoustic density estimation models / software</i>	\$788,000
<i>Sampling platforms (e.g., gliders, UASs)</i>	\$620,000
<i>Biological sampling devices (e.g., biopsy, blow, feces)</i>	\$455,000
<i>Acoustic devices</i>	\$435,000
<i>GIS</i>	\$225,000
<i>Line transect methodology</i>	\$183,000
<i>Cameras (e.g., visible, IR)</i>	\$159,000
<i>Photo-ID</i>	\$108,000
<i>Fisheries gear modification or alternatives</i>	\$43,000
<i>Oceanographic sampling devices (e.g., physical, chemical)</i>	\$6,000
Ecology	\$11,808,000
<i>Habitat use</i>	\$3,363,000
<i>Trophic Interactions / Diet / Foraging ecology</i>	\$2,676,000
<i>Habitat characterization (oceanographic, prey-field factors)</i>	\$2,138,000
<i>Behavioral ecology</i>	\$1,770,000
<i>Population ecology</i>	\$1,214,000
<i>Ecosystem / Environmental studies</i>	\$640,000
<i>Traditional ecological knowledge</i>	\$7,000
Biology (Organismal)	\$10,008,000
<i>Physiology / Endocrinology / Biochemistry / Neurology / etc.</i>	\$2,506,000
<i>Bioacoustics – sound reception</i>	\$2,105,000
<i>Behavior – Diving / Foraging / Feeding</i>	\$1,425,000
<i>Reproduction / Growth / Aging</i>	\$1,047,000
<i>Behavior – Social / Reproductive</i>	\$882,000
<i>Bioacoustics – sound production</i>	\$664,000
<i>Genetics / Taxonomy</i>	\$579,000
<i>Anatomy / Morphology</i>	\$405,000
<i>Behavior – Kinematics / Activity budgets / Energy budgets</i>	\$324,000
<i>Paleontological studies</i>	\$71,000

Conservation and Management	\$9,414,000
<i>Conservation</i>	\$3,649,000
<i>Management</i>	\$2,523,000
<i>Population protection / recovery</i>	\$2,385,000
<i>Co-management</i>	\$857,000
Animal Health	\$6,438,000
<i>Monitoring / Assessment</i>	\$4,255,000
<i>Disease</i>	\$887,000
<i>Contaminants</i>	\$595,000
<i>Body condition</i>	\$558,000
<i>Biotoxins</i>	\$143,000
Anthropogenic Sound Impacts	\$4,240,000
<i>Military activities - sonar and explosives</i>	\$2,876,000
<i>Characterization / Analysis of sound budgets / soundscapes</i>	\$928,000
<i>Industrial activity – shipping</i>	\$242,000
<i>Energy development – seismic surveys</i>	\$143,000
<i>Energy development – drilling</i>	\$17,000
<i>Energy development – platform removal</i>	\$17,000
<i>Industrial activity – pile driving</i>	\$17,000
Fishery Interactions	\$3,323,000
<i>Bycatch – mitigation</i>	\$2,141,000
<i>Bycatch - entanglement (inc. observer program)</i>	\$952,000
<i>Indirect / competitive interactions</i>	\$126,000
<i>Depredation (inc. depredation mitigation)</i>	\$104,000
Human Dimensions	\$2,284,000
<i>Social science (inc. education/outreach)</i>	\$2,009,000
<i>Economics</i>	\$275,000
Other Anthropogenic Impacts	\$687,000
<i>Disturbance</i>	\$411,000
<i>Vessel strikes</i>	\$234,000
<i>Tourism - observing (whale watching, rookery viewing)</i>	\$38,000
<i>Tourism - feeding / swim-with</i>	\$4,000
Pollution Impacts	\$589,000
<i>Persistent toxins (e.g., PCBs, dioxins, pesticides, heavy metals, TBT, endocrine disrupters, radioactive waste)</i>	\$257,000
<i>Hydrocarbon spills/leaks (inc. dispersants)</i>	\$148,000
<i>Marine debris – inc. plastics</i>	\$131,000
<i>Marine debris – derelict fishing gear</i>	\$29,000
<i>Nutrient runoff / HABs</i>	\$24,000
Major Marine Mammal or Multidisciplinary Scientific Conference	\$108,000
<i>Major marine mammal or multidisciplinary scientific conference (inc. support for SMM, ECS, etc.)</i>	\$108,000