

OBJECTIVE	FUNDING
Stock Assessment and Population Dynamics	\$24,710,000
<i>Distribution and Movements (surveys, tagging)</i>	\$7,751,000
<i>Size / abundance (surveys, estimation)</i>	\$5,637,000
<i>Stock assessment</i>	\$4,203,000
<i>Trends</i>	\$1,979,000
<i>Vital rates (survival, mortality, growth, R)</i>	\$1,899,000
<i>Population dynamics (modeling, sustainability, K, OSP)</i>	\$1,352,000
<i>Population genetics /stock delineation</i>	\$1,075,000
<i>Structure (ages, sex ratio)</i>	\$814,000
Technology Development	\$13,181,000
<i>Acoustic detection, classification and localization algorithms / models / software</i>	\$1,930,000
<i>Tags / Telemetry devices</i>	\$1,908,000
<i>Imaging / Image analysis (e.g., photographic, satellite, digital)</i>	\$1,124,000
<i>Mathematical / Statistical / Simulation models</i>	\$1,086,000
<i>Biological sampling devices (e.g., biopsy, blow, feces)</i>	\$1,069,000
<i>Biological testing methodologies</i>	\$1,050,000
<i>Database design / development / maintenance / archiving</i>	\$1,013,000
<i>Sampling platforms (e.g., gliders, UASs)</i>	\$981,000
<i>Habitat mapping / modeling</i>	\$881,000
<i>Acoustic density estimation models / software</i>	\$852,000
<i>Acoustic devices</i>	\$318,000
<i>Line transect methodology</i>	\$295,000
<i>Oceanographic sampling devices (e.g., physical, chemical)</i>	\$166,000
<i>Photo-ID</i>	\$155,000
<i>Cameras (e.g., visible, IR)</i>	\$149,000
<i>GIS</i>	\$145,000
<i>Fisheries gear modification or alternatives</i>	\$59,000
Ecology	\$11,903,000
<i>Habitat use</i>	\$3,232,000
<i>Trophic Interactions / Diet / Foraging ecology</i>	\$3,127,000
<i>Habitat characterization (oceanographic, prey-field factors)</i>	\$2,306,000
<i>Ecosystem / Environmental studies</i>	\$1,496,000
<i>Behavioral ecology</i>	\$1,135,000
<i>Population ecology</i>	\$562,000
<i>Traditional ecological knowledge</i>	\$45,000
Conservation and Management	\$10,586,000
<i>Conservation</i>	\$3,999,000
<i>Management</i>	\$3,137,000
<i>Population protection / recovery</i>	\$2,809,000
<i>Co-management</i>	\$641,000
Biology (Organismal)	\$10,011,000
<i>Physiology / Endocrinology / Biochemistry / Neurology / etc.</i>	\$3,497,000
<i>Behavior – Diving / Foraging / Feeding</i>	\$1,594,000
<i>Bioacoustics – sound reception</i>	\$966,000
<i>Genetics / Taxonomy</i>	\$927,000

Biology (Organismal) continued	
<i>Behavior – Social / Reproductive</i>	\$745,000
<i>Behavior – Kinematics / Activity budgets / Energy budgets</i>	\$742,000
<i>Reproduction / Growth / Aging</i>	\$643,000
<i>Bioacoustics – sound production</i>	\$573,000
<i>Anatomy / Morphology</i>	\$254,000
<i>Paleontological studies</i>	\$70,000
Anthropogenic Sound Impacts	\$6,813,000
<i>Military activities - sonar and explosives</i>	\$5,175,000
<i>Characterization / Analysis of sound budgets / soundscapes</i>	\$844,000
<i>Energy development – seismic surveys</i>	\$298,000
<i>Industrial activity – shipping</i>	\$292,000
<i>Industrial activity – pile driving</i>	\$95,000
<i>Energy development – drilling</i>	\$54,000
<i>Energy development – platform removal</i>	\$54,000
<i>Energy development – high resolution geophysical surveys (non-seismic)</i>	\$1,000
Animal Health	\$3,084,000
<i>Monitoring / Assessment</i>	\$1,501,000
<i>Disease</i>	\$597,000
<i>Body condition</i>	\$468,000
<i>Contaminants</i>	\$392,000
<i>Biotoxins</i>	\$126,000
Human Dimensions	\$2,125,000
<i>Social science (inc. education/outreach)</i>	\$1,885,000
<i>Economics</i>	\$240,000
Fishery Interactions	\$2,025,000
<i>Bycatch – mitigation</i>	\$1,095,000
<i>Bycatch - entanglement (inc. observer program)</i>	\$804,000
<i>Indirect / competitive interactions</i>	\$126,000
Pollution Impacts	\$1,147,000
<i>Persistent toxins (e.g., PCBs, dioxins, pesticides, heavy metals, TBT, endocrine disrupters, radioactive waste)</i>	\$848,000
<i>Marine debris – inc. plastics</i>	\$137,000
<i>Hydrocarbon spills/leaks (inc. dispersants)</i>	\$102,000
<i>Marine debris – derelict fishing gear</i>	\$38,000
<i>Nutrient runoff / HABs</i>	\$22,000
Other Anthropogenic Impacts	\$948,000
<i>Disturbance</i>	\$512,000
<i>Vessel strikes</i>	\$321,000
<i>Tourism - observing (whale watching, rookery viewing)</i>	\$107,000
<i>Coastal development / Dredging</i>	\$4,000
<i>Tourism - feeding / swim-with</i>	\$4,000
Major Marine Mammal or Multidisciplinary Scientific Conference	\$250,000
<i>Major marine mammal or multidisciplinary scientific conference (inc. support for SMM, ECS, etc.)</i>	\$250,000