

OBJECTIVE	FUNDING
Stock Assessment and Population Dynamics	\$23,345,000
<i>Distribution and Movements (surveys, tagging)</i>	\$6,393,000
<i>Size / abundance (surveys, estimation)</i>	\$5,696,000
<i>Vital rates (survival, mortality, growth, R)</i>	\$4,360,000
<i>Stock assessment</i>	\$2,857,000
<i>Trends</i>	\$1,596,000
<i>Population dynamics (modeling, sustainability, K, OSP)</i>	\$1,067,000
<i>Population genetics /stock delineation</i>	\$801,000
<i>Structure (ages, sex ratio)</i>	\$575,000
Ecology	\$15,004,000
<i>Trophic Interactions / Diet / Foraging ecology</i>	\$3,769,000
<i>Habitat use</i>	\$3,733,000
<i>Habitat characterization (oceanographic, prey-field factors)</i>	\$3,527,000
<i>Ecosystem / Environmental studies</i>	\$2,437,000
<i>Behavioral ecology</i>	\$913,000
<i>Population ecology</i>	\$504,000
<i>Traditional ecological knowledge</i>	\$121,000
Technology Development	\$10,353,000
<i>Acoustic detection, classification and localization algorithms / models / software</i>	\$1,666,000
<i>Tags / Telemetry devices</i>	\$1,525,000
<i>Mathematical / Statistical / Simulation models</i>	\$1,198,000
<i>Database design / development / maintenance / archiving</i>	\$920,000
<i>Acoustic density estimation models / software</i>	\$780,000
<i>Imaging / Image analysis (e.g., photographic, satellite, digital)</i>	\$686,000
<i>Acoustic devices</i>	\$678,000
<i>Habitat mapping / modeling</i>	\$611,000
<i>Sampling platforms (e.g., gliders, UASs)</i>	\$498,000
<i>Biological sampling devices (e.g., biopsy, blow, feces)</i>	\$410,000
<i>Biological testing methodologies</i>	\$374,000
<i>Line transect methodology</i>	\$344,000
<i>Cameras (e.g., visible, IR)</i>	\$303,000
<i>Photo-ID</i>	\$133,000
<i>Oceanographic sampling devices (e.g., physical, chemical)</i>	\$107,000
<i>GIS</i>	\$80,000
<i>Fisheries gear modification or alternatives</i>	\$40,000
Conservation and Management	\$7,602,000
<i>Conservation</i>	\$2,997,000
<i>Management</i>	\$2,529,000
<i>Population protection / recovery</i>	\$1,355,000
<i>Co-management</i>	\$721,000
Anthropogenic Sound Impacts	\$7,319,000
<i>Military activities - sonar and explosives</i>	\$4,385,000
<i>Characterization / Analysis of sound budgets / soundscapes</i>	\$2,063,000
<i>Energy development – seismic surveys</i>	\$317,000
<i>Industrial activity – shipping</i>	\$282,000
<i>Industrial activity – pile driving</i>	\$140,000

<i>Energy development – drilling</i>	\$58,000
<i>Energy development – platform removal</i>	\$58,000
<i>Energy development – high resolution geophysical surveys (non-seismic)</i>	\$16,000
Biology (Organismal)	\$7,093,000
<i>Behavior – Diving / Foraging / Feeding</i>	\$1,475,000
<i>Bioacoustics – sound reception</i>	\$1,225,000
<i>Physiology / Endocrinology / Biochemistry / Neurology / etc.</i>	\$1,011,000
<i>Genetics / Taxonomy</i>	\$785,000
<i>Behavior – Social / Reproductive</i>	\$730,000
<i>Bioacoustics – sound production</i>	\$680,000
<i>Reproduction / Growth / Aging</i>	\$498,000
<i>Behavior – Kinematics / Activity budgets / Energy budgets</i>	\$495,000
<i>Anatomy / Morphology</i>	\$194,000
Animal Health	\$6,842,000
<i>Monitoring / Assessment</i>	\$3,436,000
<i>Contaminants</i>	\$1,235,000
<i>Disease</i>	\$1,170,000
<i>Body condition</i>	\$784,000
<i>Biotoxins</i>	\$217,000
Fishery Interactions	\$2,304,000
<i>Bycatch – mitigation</i>	\$1,333,000
<i>Bycatch - entanglement (inc. observer program)</i>	\$825,000
<i>Indirect / competitive interactions</i>	\$146,000
Pollution Impacts	\$995,000
<i>Persistent toxins (e.g., PCBs, dioxins, pesticides, heavy metals, TBT, endocrine disrupters, radioactive waste)</i>	\$775,000
<i>Hydrocarbon spills/leaks (inc. dispersants)</i>	\$122,000
<i>Marine debris – inc. plastics</i>	\$36,000
<i>Nutrient runoff / HABs</i>	\$31,000
<i>Marine debris – derelict fishing gear</i>	\$31,000
Human Dimensions	\$669,000
<i>Social science (inc. education/outreach)</i>	\$669,000
Other Anthropogenic Impacts	\$590,000
<i>Vessel strikes</i>	\$234,000
<i>Disturbance</i>	\$192,000
<i>Tourism - observing (whale watching, rookery viewing)</i>	\$117,000
<i>Coastal development / Dredging</i>	\$26,000
<i>Tourism - feeding / swim-with</i>	\$21,000
Major Marine Mammal or Multidisciplinary Scientific Conference	\$131,000
<i>Major marine mammal or multidisciplinary scientific conference (inc. support for SMM, ECS, etc.)</i>	\$131,000