

OBJECTIVE	FUNDING
Stock Assessment and Population Dynamics	\$28,477,000
<i>Distribution and Movements (surveys, tagging)</i>	\$8,768,000
<i>Size / abundance (surveys, estimation)</i>	\$7,933,000
<i>Vital rates (survival, mortality, growth, R)</i>	\$3,922,000
<i>Stock assessment</i>	\$3,163,000
<i>Population dynamics (modeling, sustainability, K, OSP)</i>	\$1,494,000
<i>Trends</i>	\$1,293,000
<i>Population genetics /stock delineation</i>	\$1,099,000
<i>Structure (ages, sex ratio)</i>	\$805,000
Ecology	\$16,376,000
<i>Habitat use</i>	\$4,434,000
<i>Trophic Interactions / Diet / Foraging ecology</i>	\$3,938,000
<i>Habitat characterization (oceanographic, prey-field factors)</i>	\$3,164,000
<i>Ecosystem / Environmental studies</i>	\$2,071,000
<i>Behavioral ecology</i>	\$1,787,000
<i>Population ecology</i>	\$739,000
<i>Traditional ecological knowledge</i>	\$243,000
Technology Development	\$11,308,000
<i>Tags / Telemetry devices</i>	\$2,019,000
<i>Mathematical / Statistical / Simulation models</i>	\$1,951,000
<i>Imaging / Image analysis (e.g., photographic, satellite, digital)</i>	\$1,410,000
<i>Acoustic detection, classification and localization algorithms / models / software</i>	\$1,361,000
<i>Acoustic density estimation models / software</i>	\$845,000
<i>Cameras (e.g., visible, IR)</i>	\$708,000
<i>Habitat mapping / modeling</i>	\$546,000
<i>Sampling platforms (e.g., gliders, UASs)</i>	\$537,000
<i>Biological testing methodologies</i>	\$513,000
<i>Acoustic devices</i>	\$375,000
<i>Biological sampling devices (e.g., biopsy, blow, feces)</i>	\$318,000
<i>Line transect methodology</i>	\$229,000
<i>Database design / development / maintenance / archiving</i>	\$203,000
<i>Photo-ID</i>	\$108,000
<i>GIS</i>	\$93,000
<i>Oceanographic sampling devices (e.g., physical, chemical)</i>	\$92,000
Biology (Organismal)	\$9,519,000
<i>Physiology / Endocrinology / Biochemistry / Neurology / etc.</i>	\$2,145,000
<i>Behavior – Diving / Foraging / Feeding</i>	\$1,796,000
<i>Bioacoustics – sound reception</i>	\$1,542,000
<i>Genetics / Taxonomy</i>	\$1,067,000
<i>Behavior – Kinematics / Activity budgets / Energy budgets</i>	\$793,000
<i>Behavior – Social / Reproductive</i>	\$763,000
<i>Reproduction / Growth / Aging</i>	\$652,000
<i>Anatomy / Morphology</i>	\$304,000
<i>Bioacoustics – sound production</i>	\$262,000
<i>Paleontological studies</i>	\$195,000

OBJECTIVE	FUNDING
Conservation and Management	\$8,962,000
Conservation	\$3,362,000
Population protection / recovery	\$3,247,000
Management	\$1,722,000
Co-management	\$631,000
Anthropogenic Sound Impacts	\$8,055,000
Military activities - sonar and explosives	\$4,013,000
Characterization / Analysis of sound budgets / soundscapes	\$1,389,000
Energy development – seismic surveys	\$730,000
Industrial activity – shipping	\$713,000
Energy development – drilling	\$600,000
Energy development – platform removal	\$600,000
Industrial activity – pile driving	\$10,000
Animal Health	\$4,978,000
Disease	\$1,703,000
Monitoring / Assessment	\$1,614,000
Body condition	\$721,000
Contaminants	\$683,000
Biotoxins	\$257,000
Fishery Interactions	\$1,404,000
Bycatch - entanglement (inc. observer program)	\$842,000
Bycatch – mitigation	\$413,000
Indirect / competitive interactions	\$149,000
Other Anthropogenic Impacts	\$706,000
Disturbance	\$337,000
Vessel strikes	\$252,000
Tourism - observing (whale watching, rookery viewing)	\$91,000
Coastal development / Dredging	\$26,000
Pollution Impacts	\$525,000
Marine debris – inc. plastics	\$179,000
Hydrocarbon spills/leaks (inc. dispersants)	\$168,000
Persistent toxins (e.g., PCBs, dioxins, pesticides, heavy metals, TBT, endocrine disrupters, radioactive waste)	\$136,000
Nutrient runoff / HABs	\$22,000
Marine debris – derelict fishing gear	\$20,000
Human Dimensions	\$174,000
Economics	\$120,000
Social science (inc. education/outreach)	\$54,000
Major Marine Mammal or Multidisciplinary Scientific Conference	\$37,000
Major marine mammal or multidisciplinary scientific conference (inc. support for SMM, ECS, etc.)	\$37,000