

OBJECTIVE	FUNDING
Stock Assessment and Population Dynamics	\$29,678,000
<i>Distribution and Movements (surveys, tagging)</i>	\$8,440,000
<i>Size / abundance (surveys, estimation)</i>	\$7,233,000
<i>Stock assessment</i>	\$4,169,000
<i>Vital rates (survival, mortality, growth, R)</i>	\$2,489,000
<i>Population genetics /stock delineation</i>	\$2,402,000
<i>Trends</i>	\$2,317,000
<i>Population dynamics (modeling, sustainability, K, OSP)</i>	\$1,715,000
<i>Structure (ages, sex ratio)</i>	\$913,000
Technology Development	\$13,019,000
<i>Tags / Telemetry devices</i>	\$1,880,000
<i>Acoustic detection, classification and localization algorithms / models / software</i>	\$1,735,000
<i>Imaging / Image analysis (e.g., photographic, satellite, digital)</i>	\$1,539,000
<i>Database design / development / maintenance / archiving</i>	\$1,133,000
<i>Biological testing methodologies</i>	\$997,000
<i>Mathematical / Statistical / Simulation models</i>	\$934,000
<i>Habitat mapping / modeling</i>	\$855,000
<i>Acoustic density estimation models / software</i>	\$760,000
<i>Biological sampling devices (e.g., biopsy, blow, feces)</i>	\$717,000
<i>Sampling platforms (e.g., gliders, UASs)</i>	\$698,000
<i>Acoustic devices</i>	\$546,000
<i>GIS</i>	\$263,000
<i>Line transect methodology</i>	\$258,000
<i>Oceanographic sampling devices (e.g., physical, chemical)</i>	\$252,000
<i>Cameras (e.g., visible, IR)</i>	\$246,000
<i>Photo-ID</i>	\$151,000
<i>Fisheries gear modification or alternatives</i>	\$55,000
Ecology	\$11,512,000
<i>Habitat use</i>	\$3,550,000
<i>Trophic Interactions / Diet / Foraging ecology</i>	\$3,447,000
<i>Behavioral ecology</i>	\$1,660,000
<i>Population ecology</i>	\$1,374,000
<i>Habitat characterization (oceanographic, prey-field factors)</i>	\$1,082,000
<i>Ecosystem / Environmental studies</i>	\$387,000
<i>Traditional ecological knowledge</i>	\$12,000
Conservation and Management	\$10,485,000
<i>Conservation</i>	\$4,871,000
<i>Management</i>	\$3,200,000
<i>Population protection / recovery</i>	\$1,969,000
<i>Co-management</i>	\$445,000
Biology (Organismal)	\$6,889,000
<i>Physiology / Endocrinology / Biochemistry / Neurology / etc.</i>	\$1,755,000
<i>Bioacoustics – sound reception</i>	\$1,577,000
<i>Behavior – Diving / Foraging / Feeding</i>	\$1,053,000
<i>Bioacoustics – sound production</i>	\$664,000
<i>Behavior – Kinematics / Activity budgets / Energy budgets</i>	\$575,000

Biology (Organismal) Continued	
<i>Behavior – Social / Reproductive</i>	\$451,000
<i>Reproduction / Growth / Aging</i>	\$407,000
<i>Genetics / Taxonomy</i>	\$358,000
<i>Anatomy / Morphology</i>	\$49,000
Animal Health	\$6,792,000
<i>Monitoring / Assessment</i>	\$4,606,000
<i>Disease</i>	\$865,000
<i>Body condition</i>	\$657,000
<i>Contaminants</i>	\$498,000
<i>Biotoxins</i>	\$166,000
Anthropogenic Sound Impacts	\$3,804,000
<i>Military activities - sonar and explosives</i>	\$2,926,000
<i>Characterization / Analysis of sound budgets / soundscapes</i>	\$617,000
<i>Industrial activity – pile driving</i>	\$108,000
<i>Industrial activity – shipping</i>	\$80,000
<i>Energy development – seismic surveys</i>	\$59,000
<i>Energy development – drilling</i>	\$14,000
Fishery Interactions	\$3,296,000
<i>Bycatch – mitigation</i>	\$2,078,000
<i>Bycatch - entanglement (inc. observer program)</i>	\$1,002,000
<i>Indirect / competitive interactions</i>	\$151,000
<i>Depredation (inc. depredation mitigation)</i>	\$65,000
Other Anthropogenic Impacts	\$822,000
<i>Disturbance</i>	\$465,000
<i>Vessel strikes</i>	\$347,000
<i>Tourism - observing (whale watching, rookery viewing)</i>	\$9,000
<i>Coastal development / Dredging</i>	\$1,000
Pollution Impacts	\$813,000
<i>Hydrocarbon spills/leaks (inc. dispersants)</i>	\$265,000
<i>Persistent toxins (e.g., PCBs, dioxins, pesticides, heavy metals, TBT, endocrine disrupters, radioactive waste)</i>	\$217,000
<i>Marine debris – inc. plastics</i>	\$176,000
<i>Marine debris – derelict fishing gear</i>	\$92,000
<i>Nutrient runoff / HABs</i>	\$63,000
Human Dimensions	\$545,000
<i>Social science (inc. education/outreach)</i>	\$420,000
<i>Economics</i>	\$125,000
Major Marine Mammal or Multidisciplinary Scientific Conference	\$212,000
<i>Major marine mammal or multidisciplinary scientific conference (inc. support for SMM, ECS, etc.)</i>	\$212,000