



U.S. FLEET FORCES COMMAND



NAVY RESEARCH AND MONITORING

The Navy is a world leader in marine species research and monitoring — investing in millions of dollars

The Navy has partnerships with universities, research institutions, federal laboratories, private companies, and independent researchers around the world to study marine species physiology and behavior, and to share information.



This work helps the Navy, environmental regulators, and the scientific community better predict the potential effects Navy training may have on the marine environment.

It also contributes to the scientific community's understanding of marine mammals, sea turtles, fish, corals, ocean bottoms and marine habitats.

Examples of Navy Research and Monitoring

- ◆ Studying how marine mammals use sound to navigate, find food, and communicate.
- ◆ Studying how sounds produced by Navy training may affect marine mammal behavior.
- ◆ Identifying the location and abundance of marine species in locations where Navy routinely trains.
- ◆ Conducting surveys in areas where Navy routinely trains to identify ocean floor habitats and document trends of habitat use by marine life.
- ◆ Conducting photo-identification, tagging and biopsies.
- ◆ Reporting sightings of endangered whales to regulatory agencies.
- ◆ Identifying and documenting when marine mammals are sighted during Navy training events.



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The Navy uses many measures to protect marine life. These are supported by scientific analysis and approved by regulators, and enable the Navy to conduct training at sea while reducing impacts to the ocean environment.



Much of the Navy's research relates to how marine mammals use sound, and how they may be affected by the use of sonar and explosives during Navy training.



As more is understood about the marine environment, the Navy works with regulators to refine and improve these protective measures.



Examples of Partnerships

Regulators

- ◆ National Oceanographic & Atmospheric Administration
- ◆ Southeast Fisheries Management Council
- ◆ Gray's Reef National Marine Sanctuary Advisory Council

Scientific and Research Organizations

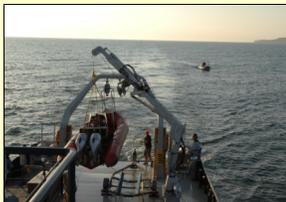
- ◆ Woods Hole Oceanographic Institute
- ◆ Scripps Institution of Oceanography

Universities

- ◆ Duke University
- ◆ University of North Carolina, Wilmington
- ◆ University of Maryland
- ◆ University of Hawaii
- ◆ Pennsylvania State University
- ◆ University of California, San Diego
- ◆ University of Southern Florida
- ◆ Cornell University

Other

- ◆ National Aquarium Baltimore
- ◆ New England Aquarium
- ◆ Chicago Zoo



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