



BOEM
BUREAU OF OCEAN ENERGY MANAGEMENT

Science-Informed Decisions from Use-Inspired Research

BOEM's Environmental Studies Program

Dr. Mary Boatman

Science Coordinator,

Office of Renewable Energy Programs

| www.boem.gov

BOEM MISSION

Manage ocean energy and mineral resources on the Outer Continental Shelf in a safe and environmentally sound manner.



PROGRAM AREAS



Oil & Gas

5-year leasing plan
Regional lease sales



Renewable Energy

Site identification through
stakeholder input and
state task forces



Marine Minerals

Through negotiated
agreement with state
and local entities

ENVIRONMENTAL PROGRAMS MISSION



To study and prevent environmental harm from energy development and minerals extraction on the Outer Continental Shelf



ENVIRONMENTAL STUDIES PROGRAM PRINCIPLES

Remain **use-inspired**
to apply results
towards management
decisions



Adhere to the
utmost levels of
scientific integrity
and credibility

Seek partnerships
to leverage funds
and maximize
utility of results



Engage regularly with
stakeholders and public
educational outreach
for quality assurance,
peer-review planning,
and data dissemination

Seek Stakeholder Input

- **Science** Forums
- Annual Request for **Study Ideas**
- **Regional** and **Office** Engagement
- **Public Meetings**
Task forces



STUDY DEVELOPMENT PLAN



Allows **ideas to flow**
with a look toward the future

Ongoing Studies

- Regional data collection – AMAPPS, Massachusetts, SE Atlantic
- Passive Acoustic Monitoring – MA, MD, VA
- Understanding Stressors - RODEO

FY17/FY18 Proposed Studies

- Improving detection and data analysis of acoustic methods
- Addressing risk assessment of activities on whales
- Bioggliders: marine animals as telemetry sensors

FY17/FY18 Proposed Studies

- Ecosystem services approach to assessing impacts
- Development of an Atlantis Model for strategic planning and cumulative impacts