

Some ongoing and upcoming BOEM-funded studies: Chukchi & Beaufort Seas





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Environmental Studies Program





BOEM & BSEE



BOEM manages development of the nation's offshore resources in an environmentally and economically responsible way.

BSEE develops and enforces safety and environmental regulations.





BOEM's MISSION

Environmental Studies Program



Applied science for informed decisions on ocean energy

Mission:

Provide the information needed to predict, assess, and manage impacts from offshore energy and marine mineral exploration, development, and production activities on human, marine, and coastal environments.



Annual budget: ~ \$35 M





Interagency Agreements



More than 40 years of Applied Environmental Research

Partnering and Leveraging Resources is Good Government



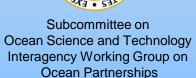
















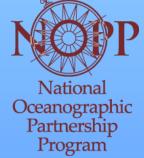
























Coastal ____ Marine Institute

Partnering Awards



PARTNERING AWARDS

Interagency Excellence in Partnering Award

2007 Archaeological and Biological Analysis of World War II Shipwrecks in the

Gulf of Mexico

2012 Lophelia II study

DOI Cooperative Conservation Award

2007 - Investigations of Chemosynthetic Communities on the Lower Continental

Slope of the Gulf of Mexico (Chemo III)

2008 - 15 Year Partnership with UAF-CMI

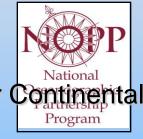
2009 - Flower Garden Banks Long Term Monitoring Program

2009 – Battle of the Atlantic















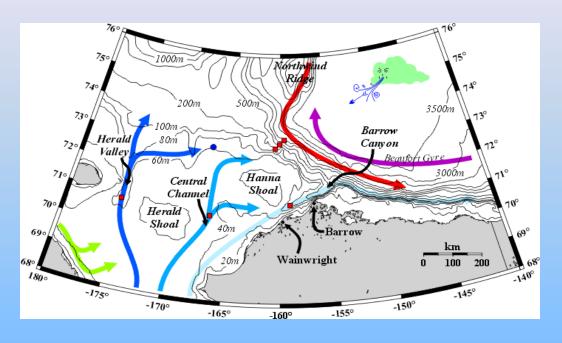
ONGOING STUDIES

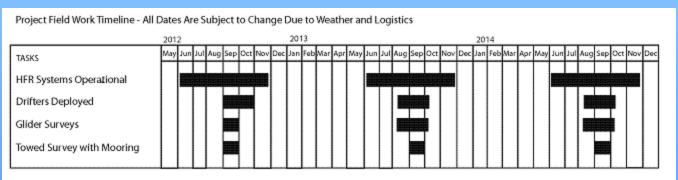
Titles:

- Characterization of the Circulation on the Continental Shelf Areas of the Northeast Chukchi and Western Beaufort Seas
- Applications for Mapping Spilled Oil in Arctic Waters
- Hanna Shoal Ecosystem Study

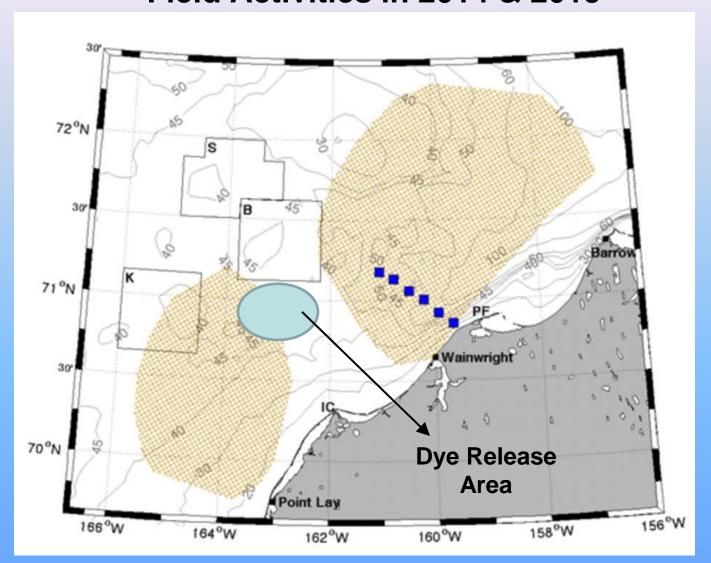


Characterization of the Circulation on the Continental Shelf Areas of the Northeast Chukchi and Western Beaufort Seas

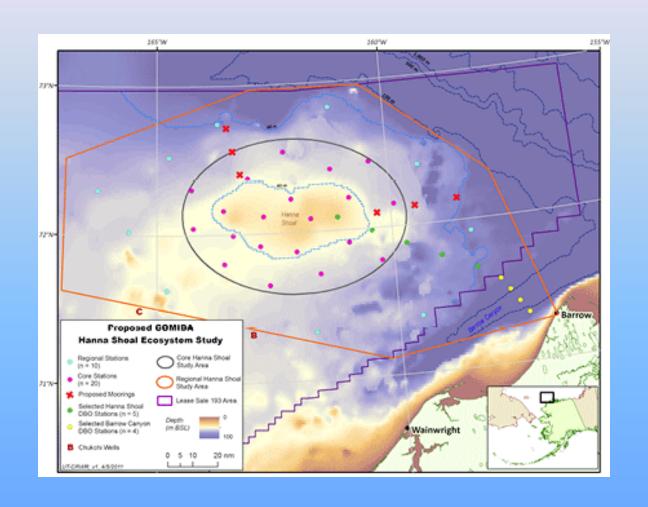




Applications for Mapping Spilled Oil in Arctic Waters Field Activities in 2014 & 2015



Hanna Shoal Ecosystem Study Mooring retrieval in 2014





UPCOMING STUDIES

Titles:

- MARES (Marine ARctic Ecosystem Study)
- Enhanced Verification and Interpretation of Arctic Ice
 Break-up and Freeze-up for the Beaufort and Chukchi Seas





Enhanced Verification and Interpretation of Arctic Ice Break-up and Freeze-up Field seasons

- Operational forecasts
- •Field & Remote (SAR, MODIS) Observations + Modeling
- Chukchi and Beaufort Seas
- •Field seasons: 2015 and 2016
- Interagency Agreement







MARES (Marine ARctic Ecosystem Study) Field seasons in 2015 & 2016

- •Integrated **ecosystem dynamics** & **monitoring** (physics, chemistry, biology, social) through coordinated **observational** & **modeling** efforts in Beaufort Sea.
- •It will be implemented in coordination with NPRB's PAGES in Chukchi Sea.
- •Relevant to: ecosystem dynamics, environmental protection, climate change and monitoring, oil spill risk analysis, and exploration and discovery.
- •It will facilitate the incorporation of technological innovations through TFORT
- •MARES is aligned with the National Ocean Policy, the Interagency Arctic Research Policy Committee's 5-year research priorities, and USGS report recommendations.





















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