



# OSC Scientific Committee Meeting May 2012

James D. Moore III, Ph.D.

Marine Archaeologist

BOEM Headquarters, Herndon, VA

James.Moore@boem.gov  
(703) 787-1651



# A Cultural Resource Study of the Beaufort and Chukchi Seas

Page #	Break-out	Title	Rank
23	IM	Expanded Nation-Wide Scope for Archiving of Outer Continental Shelf Invertebrates by the Smithsonian National Museum of Natural History	1
25	IM	Support for the National Ocean Sciences Bowl (NOPP)	2
27	IM	Second Meeting of the Marine Mammals and Sound Stakeholder Working Group	3
31	FE/PO/SE	An Integrated Scientific Approach to Arctic Sustainability	4
33	PO	Cook Inlet Circulation Model Calculations	5
35	HE/PO	Modeling of the Ecosystem Dynamics in the Alaskan Arctic Ocean	6
39	HE/PO	Ecosystem Dynamics and Monitoring of the Alaskan Arctic Ocean	7
43	SE	<b>A Cultural Resource Survey of the Beaufort and Chukchi Seas</b>	<b>8</b>
<p>** FE = Fate &amp; Effects    HE = Habitat &amp; Ecology    IM = Information Management SE = Social &amp; Economic Sciences    PO = Physical Oceanography</p>			

**BOEM Headquarters**



**BOEM Information Need:**

- **Systematic, wide-scale archaeological surveys have not been performed in this region**
- **A comprehensive baseline of offshore archaeological data does not exist**
- **The study will fulfill BOEM's responsibilities under Sections 106 and 110 under NHPA and Executive Order 11593, among other regulations**
- **Will serve as a parallel component to NSF's inter-agency ArcSEES study**

**Date Information is Required: Immediately;**

**Projected Start is in FY 2013**

# A Cultural Resource Study of the Beaufort and Chukchi Seas



Image Courtesy of NOAA

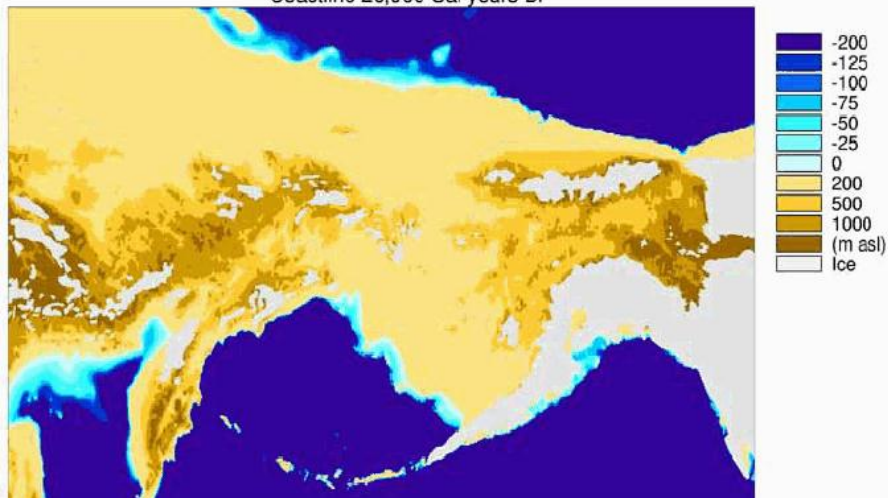
## **Background:**

### **A) Relationship with Previous Work/Efforts**

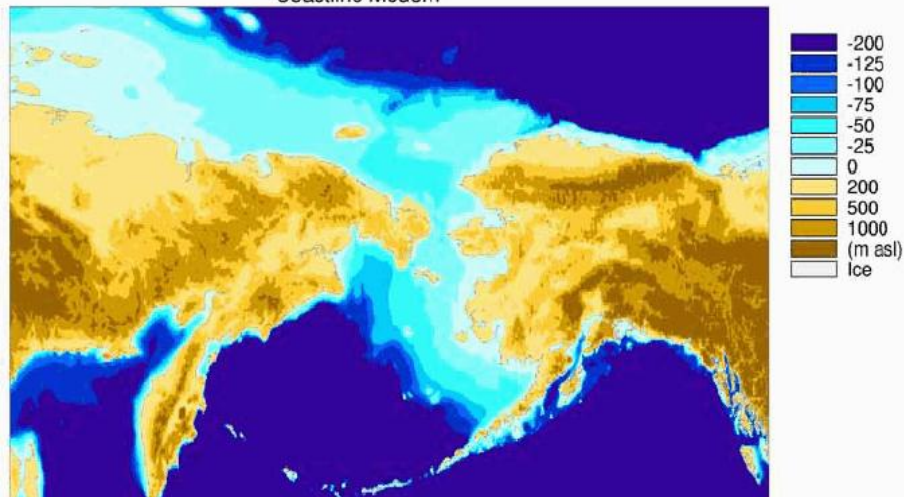
- Comprehensive cultural resource information is lacking; available data are > 5 years old**
- All discovered archaeological remains will help corroborate the historical record from this region**
- Prominent human activity has occurred here since the last glacial period**

# A Cultural Resource Study of the Beaufort and Chukchi Seas

*PALE* Paleoenvironmental Atlas of Beringia  
Coastline 20,000 Cal years BP



*PALE* Paleoenvironmental Atlas of Beringia  
Coastline Modern



Images Courtesy of NOAA

**BOEM Headquarters**

**Tentative Ranking: 8**



Image Courtesy of *Harper's Weekly*



Image Courtesy of the Coast Guard

## **Background:**

### **B) Relationship with Concurrent/Future Efforts**

- **An expansion of energy-related industries is anticipated along this region**
- **NSF's ArcSEES Program will evaluate the sustainability of the Arctic human-environment system; traditional knowledge can also be implemented to better assess offshore locations of tribal significance**



## **Study's Objectives:**

- 1. What types of prehistoric and historic cultural resources may be found?**
- 2. How do detected archaeological remains compare with the historical record / oral traditions?**
- 3. Which sites are eligible for nomination to the National Register of Historic Places?**
- 4. What are the most appropriate data recovery and geospatial plotting techniques?**
- 5. How has the marine environment affected the submerged cultural landscape?**

## **Study's Methods:**

- 1. Historical Research and Tribal Consultation**
- 2. Survey Area Planning**
- 3. Remote Sensing Survey and Subsurface Sampling**
  - \*Survey work should take a holistic approach and not focus exclusively on shipwrecks**
- 4. Data Synthesis and Final Report**

## **Additional Pertinent Information:**

- Due to the cost of such a project and the need to implement specialized equipment and vehicles, inter-agency cooperation, such as with NOAA OER, would be more appropriate**
- The project may produce numerous public outreach opportunities, including telepresence, a lesson plan, and the production of a documentary**