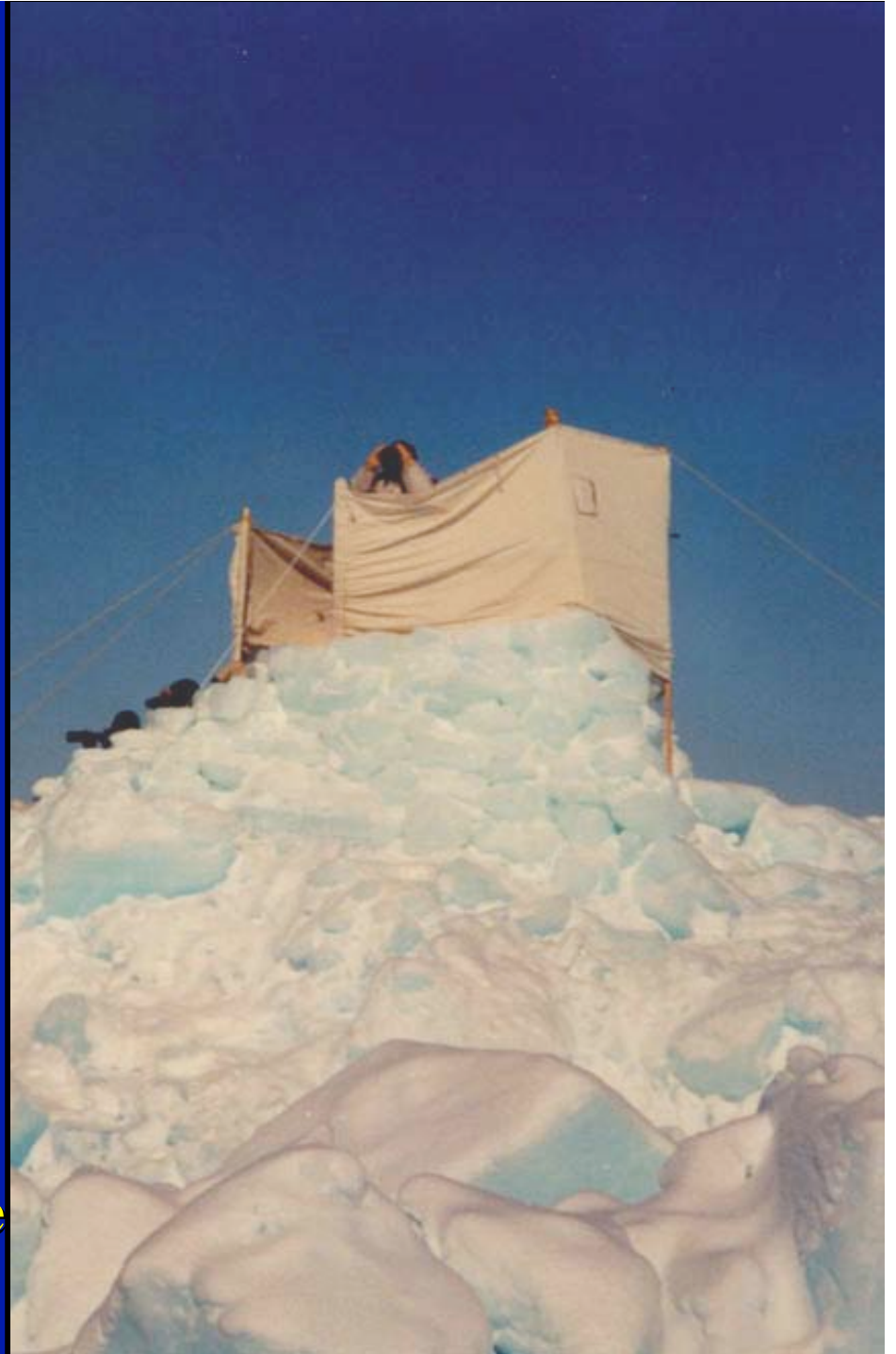


# **The Alaska Offshore: Transition and the 10 Year Vision**

**Resource Development Council  
Annual Conference  
November 15, 2006**

**John Goll  
Alaska Regional Director  
U.S. Minerals Management Service**



# MMS: An Ocean, Energy, & Mineral Agency

- The Outer Continental Shelf
  - off the coast beyond 3 miles
- Oil and Gas Leasing, Regulation, Monitoring, Inspections
- Sand, gravel, gold, and other minerals,
- *New >>* Energy from wind, currents, waves
- Royalty Collection and Disbursement



- Environmental & Technical Research

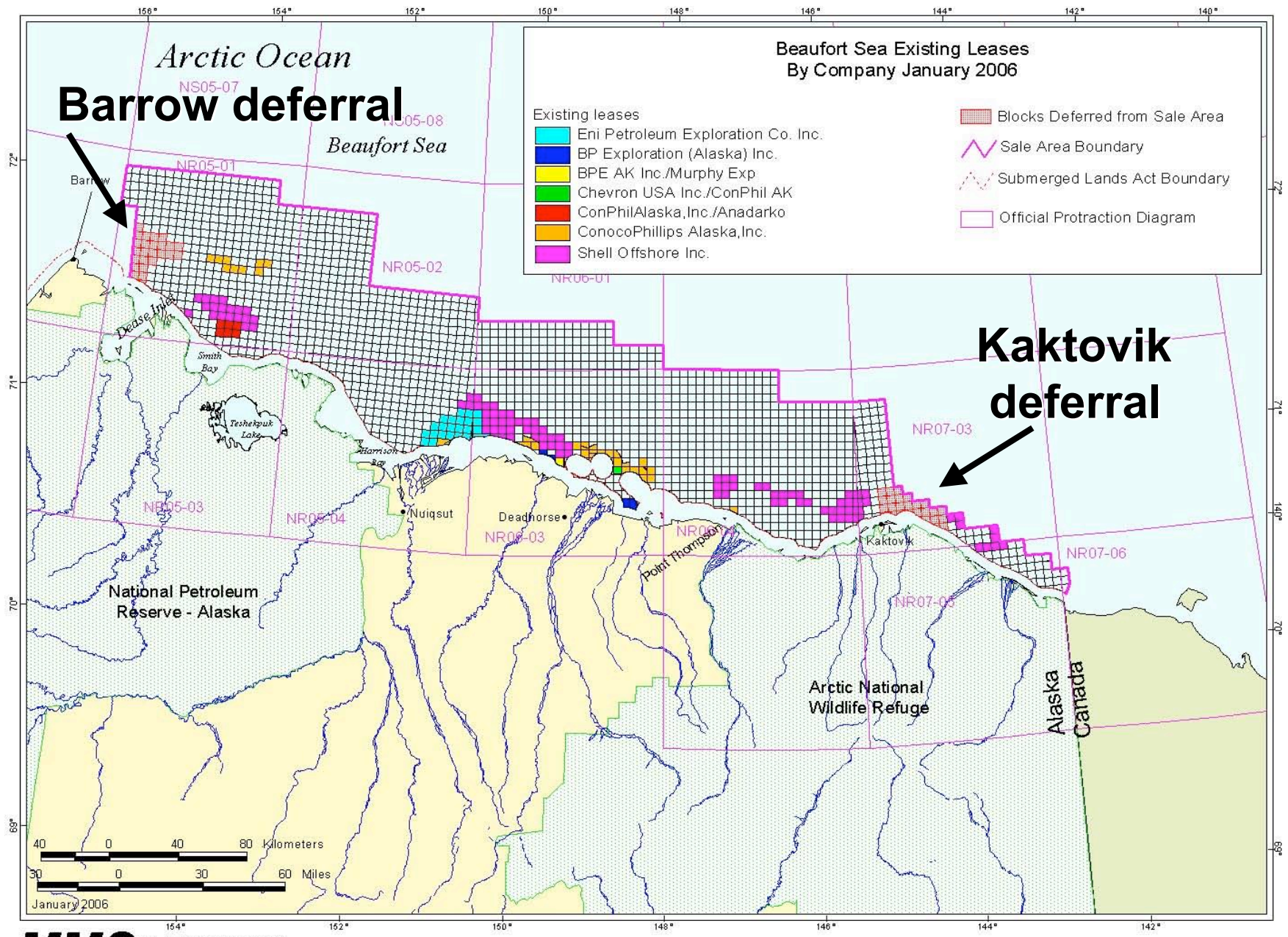


- Upcoming lease sales
- 5 Year Program 2007-12
- Exploration and development
- Issues
- Research
- Multiple use of the Ocean



# Beaufort Sea Sale 202

- Proposed Notice of Sale
  - Letter to the Governor
  - Coastal Zone Consistency Determination
  - Comments due Dec. 26
- Proposal
  - Not include Barrow and Kaktovik areas
  - Stipulations including coordinating activities with subsistence
  - Maintain economic incentives
- Sale: March/April

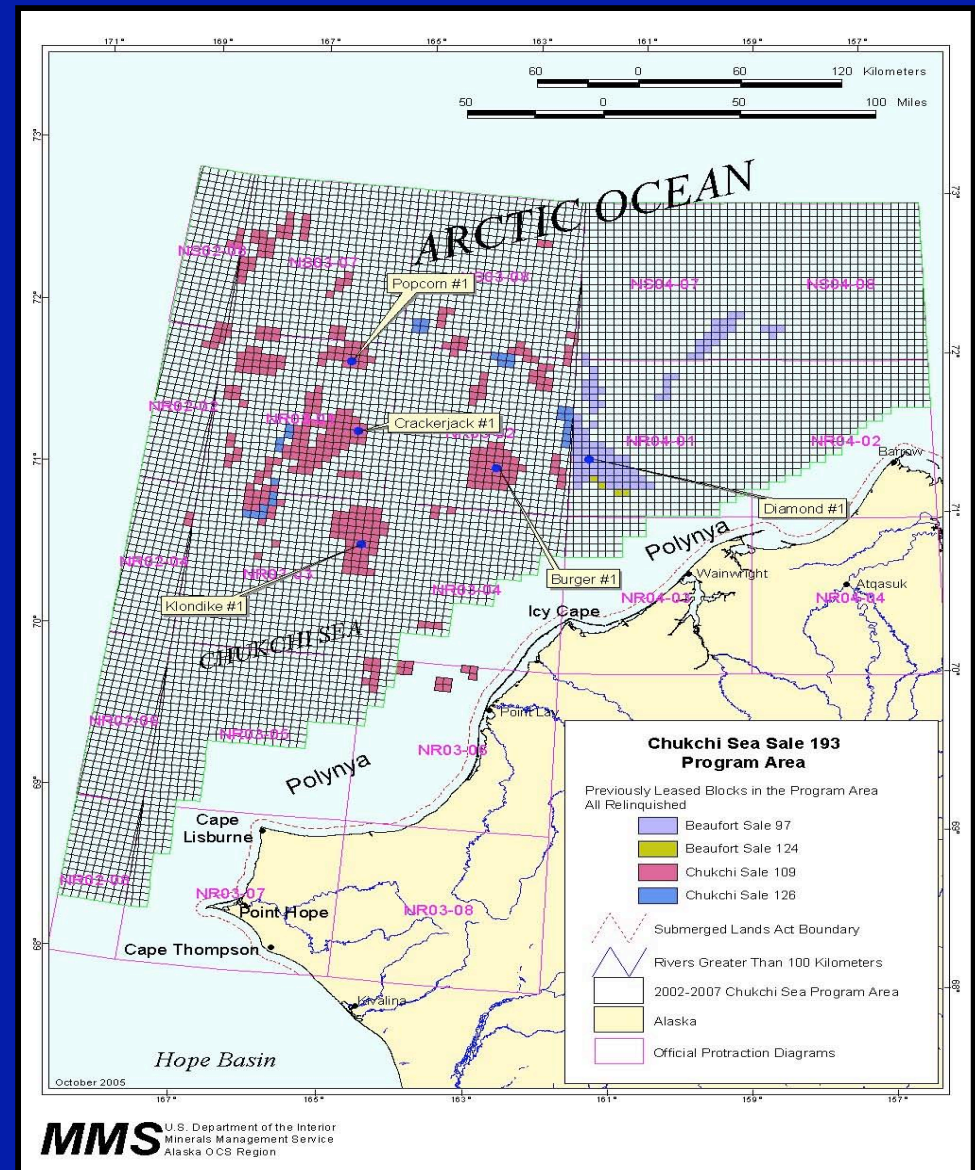


**Barrow deferral**

**Kaktovik deferral**

# Chukchi Sea Sale 193

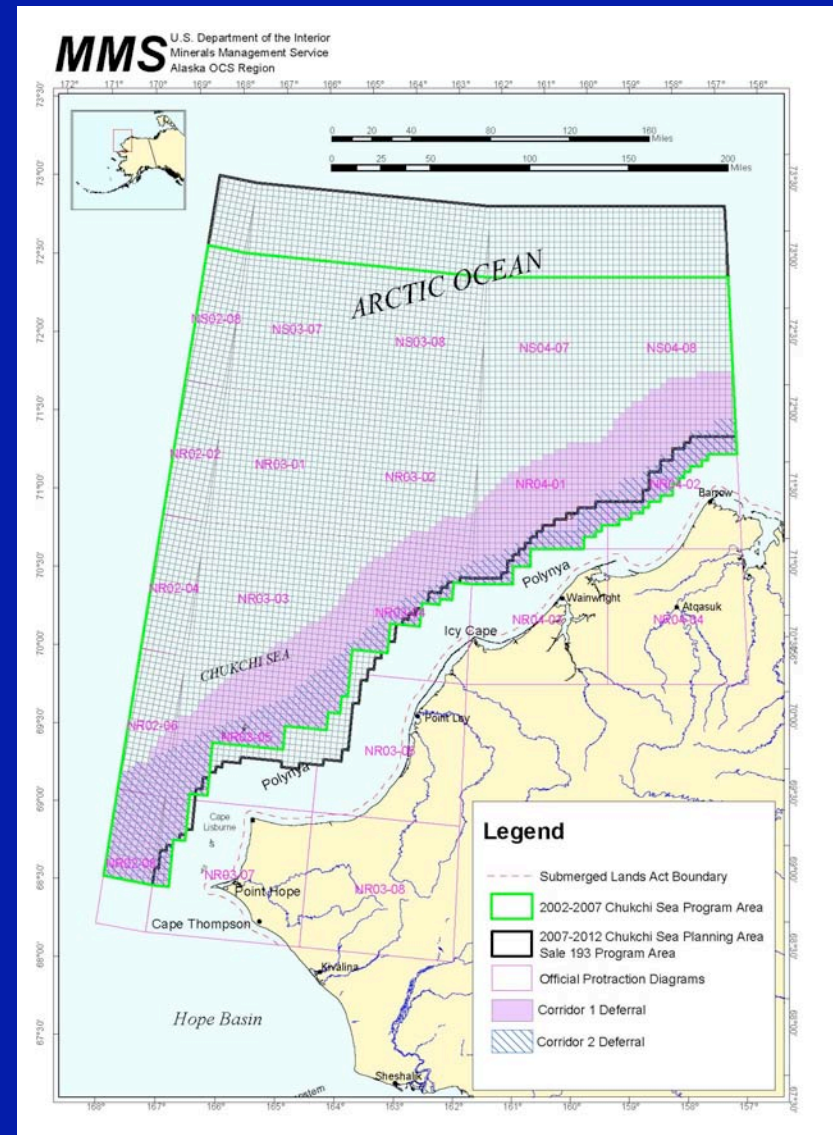
- Sale
  - November 2007
  - *Pending 2007-12 5-Year decisions*
- No Polynya (near-shore)
- Last sale 1991



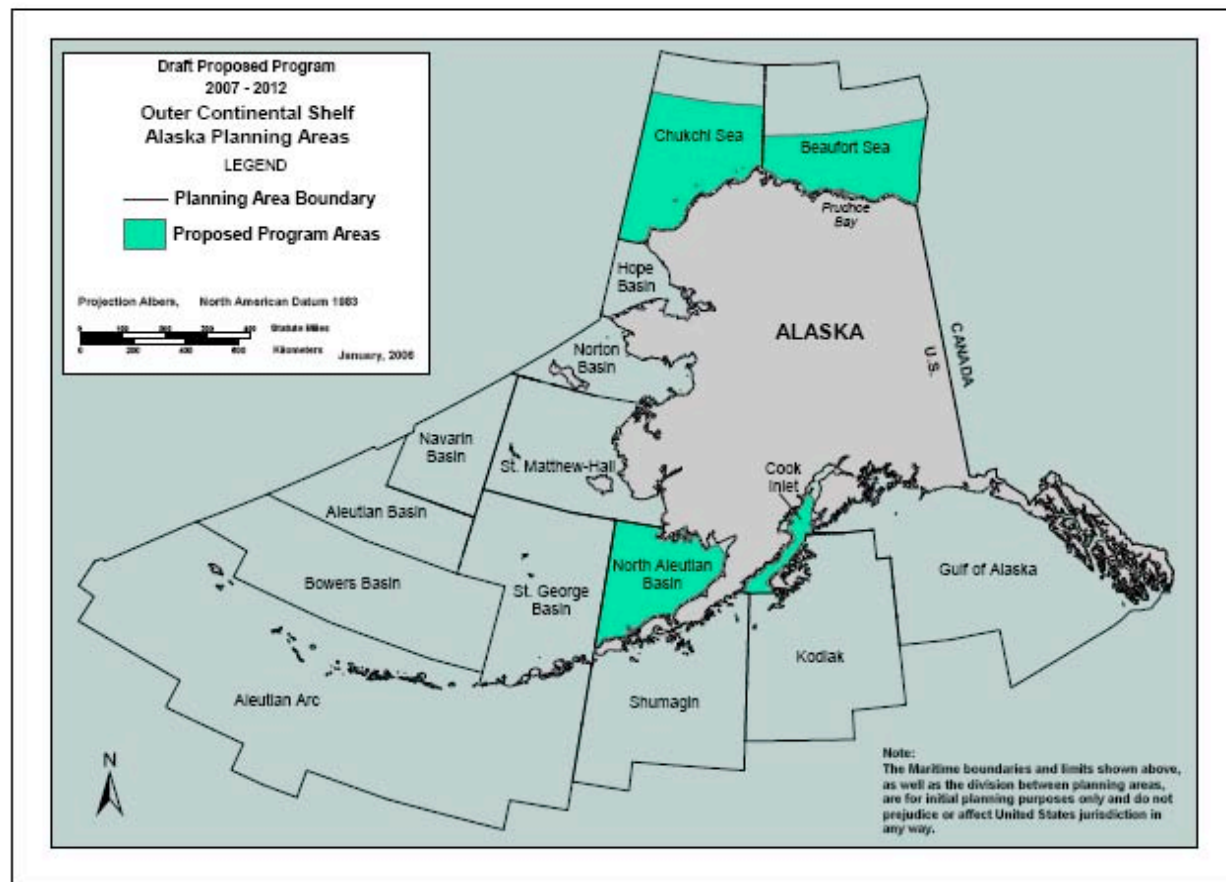
**Note: no existing leases;  
figure shows past leases**

# Chukchi Sea Sale 193

- Draft EIS
  - Hearings
    - Chukchi Villages - this week
    - Anchorage – Dec. 6
  - No nearshore areas
  - Evaluating 2 deferrals
    - subsistence
    - migration paths
  - Comments due by Dec. 19



# Alaska Proposed Program Areas 2007-12 Five Year Program



# Timetable - OCS Oil and Gas Leasing Program 2007-2012



# Alaska Sales in the 2007-2012 Proposed Program

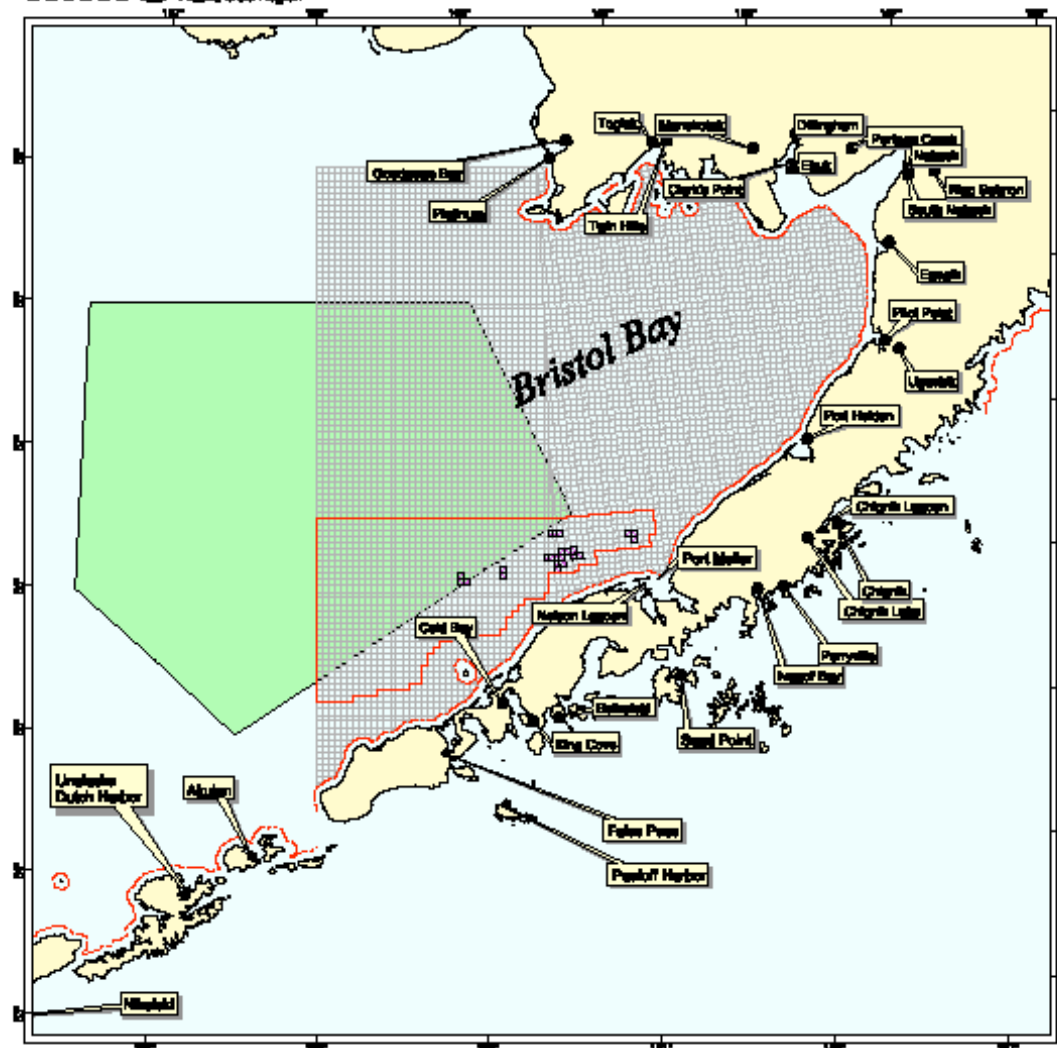
- **Beaufort Sea**  
**2009, 2011**
- **Chukchi Sea**  
**2007\*, 2010, 2012**
- **Cook Inlet**  
**2009, 2011 – interest based**
- **North Aleutian Basin\*\***  
**2010, 2012**

\* Carried over from 2002-2007 5-Year Program






\*\* If Presidential Withdrawal is amended

# North Aleutian Basin

**MMS** U.S. Department of the Interior  
Minerals Management Service  
Alaska OCS Region



## North Aleutian Basin Legend

-  North Aleutian Basin Planning Area
  -  Northern Right Whale Critical Habitat Area
  -  Sale 92 Blocks Leased (Relinquished as part of litigation settlement)
  -  Sale 92 Area Outline
  -  Submerged Lands Act Boundary
- 50 0 50 100 Miles  
50 0 50 100 Kilometers



# Oil and Gas Estimates

## Undiscovered Technically Recoverable

<u>OCS Planning Area</u>		<u>Oil and Gas Estimates</u>		
		<u>95%</u>	<u>Mean</u>	<u>5%</u>
<b>Beaufort Sea</b>				
	Oil (bbo)	0.4	8.2	23.2
	Gas (tcf)	0.7	27.7	72.2
<b>Chukchi Sea</b>				
	Oil (bbo)	2.3	15.4	40.1
	Gas (tcf)	10.3	76.8	209.5
<b>North Aleutian Basin</b>				
	Oil (bbo)	0.02	0.75	2.5
	Gas (tcf)	0.4	8.6	22.3
<b>Cook Inlet</b>				
	Oil (bbo)	0.06	1.0	2.9
	Gas (tcf)	0.03	1.2	3.5

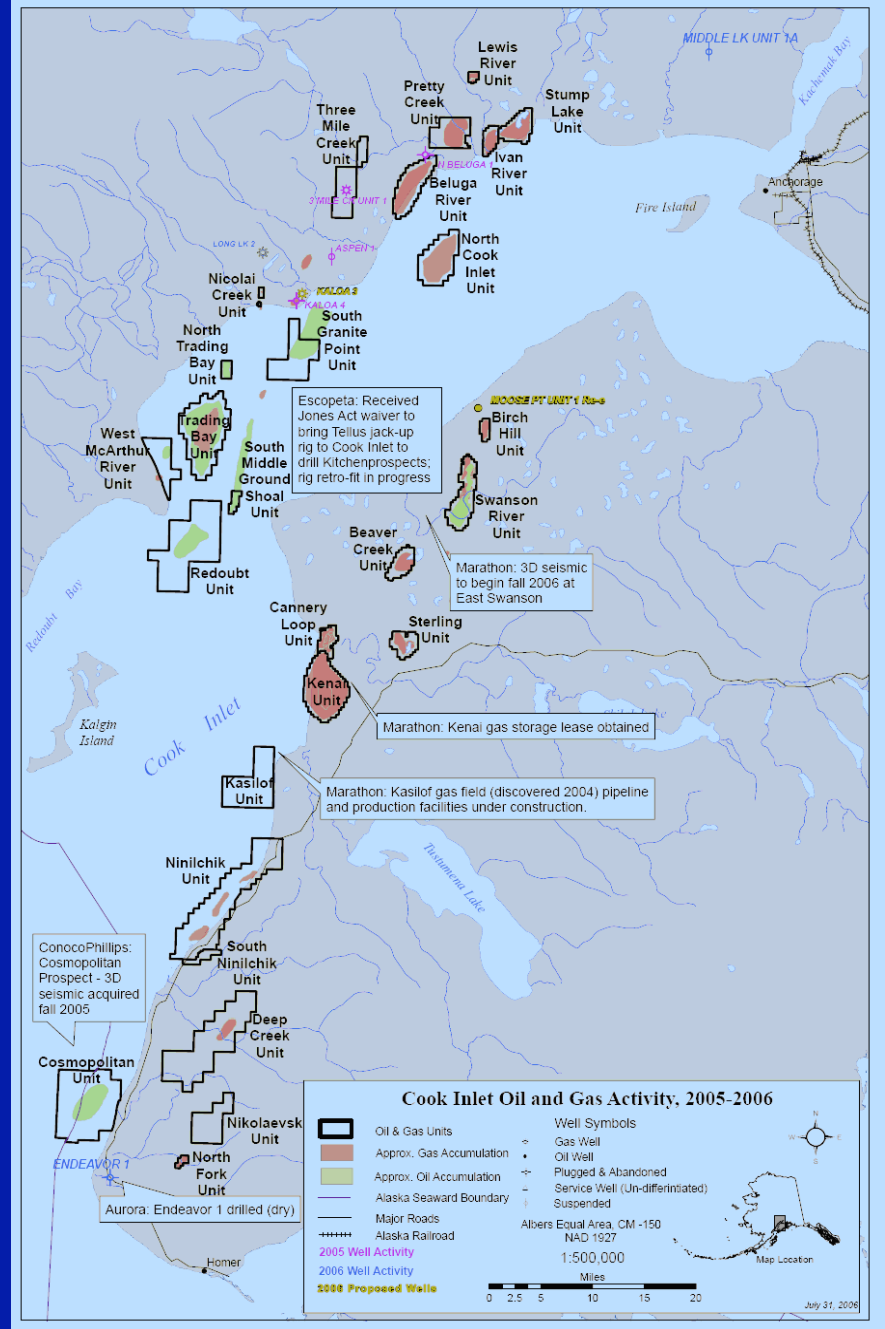
MMS 2006 National Assessment

# Current Alaska OCS Activities

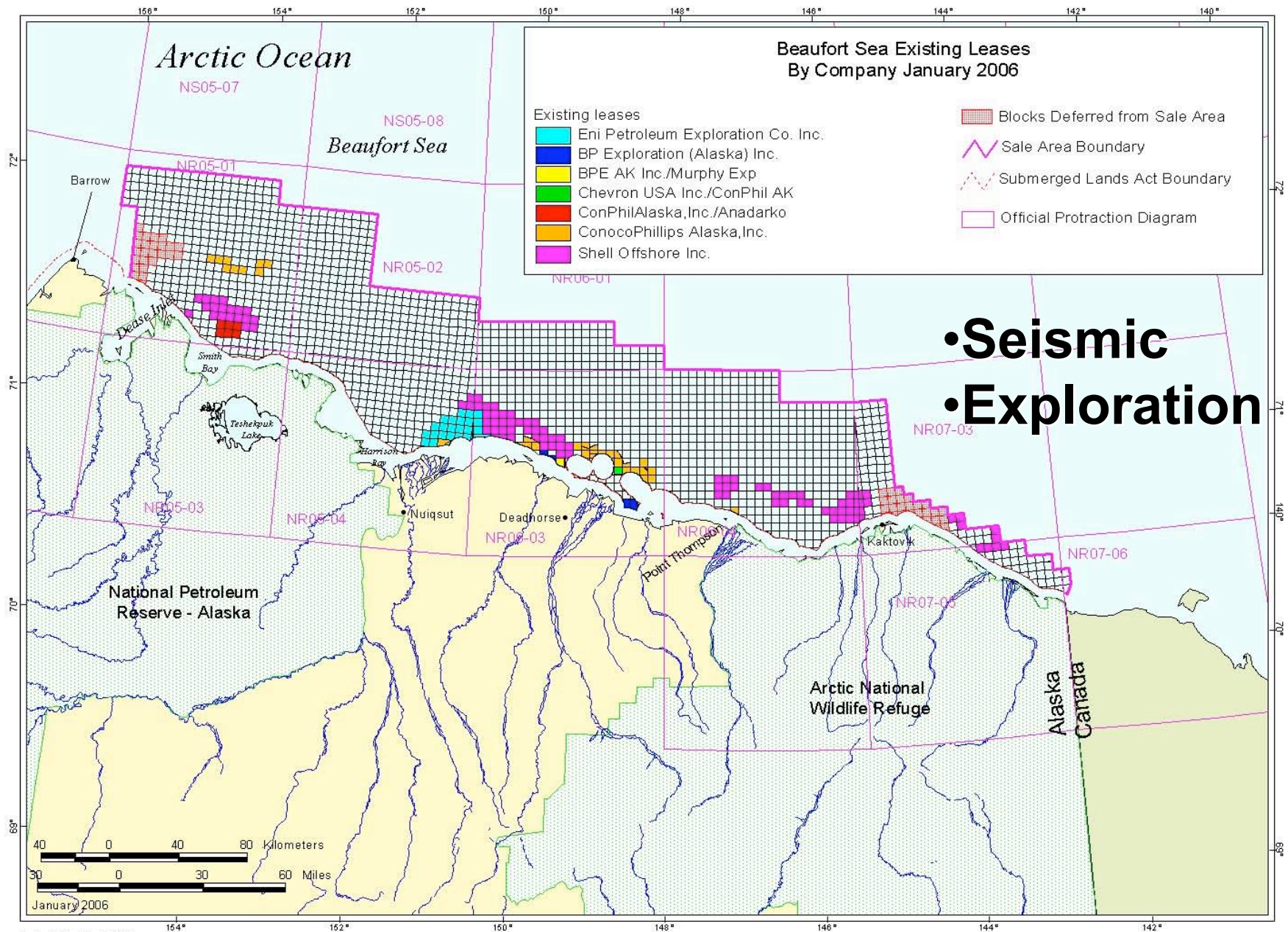


# Cook Inlet

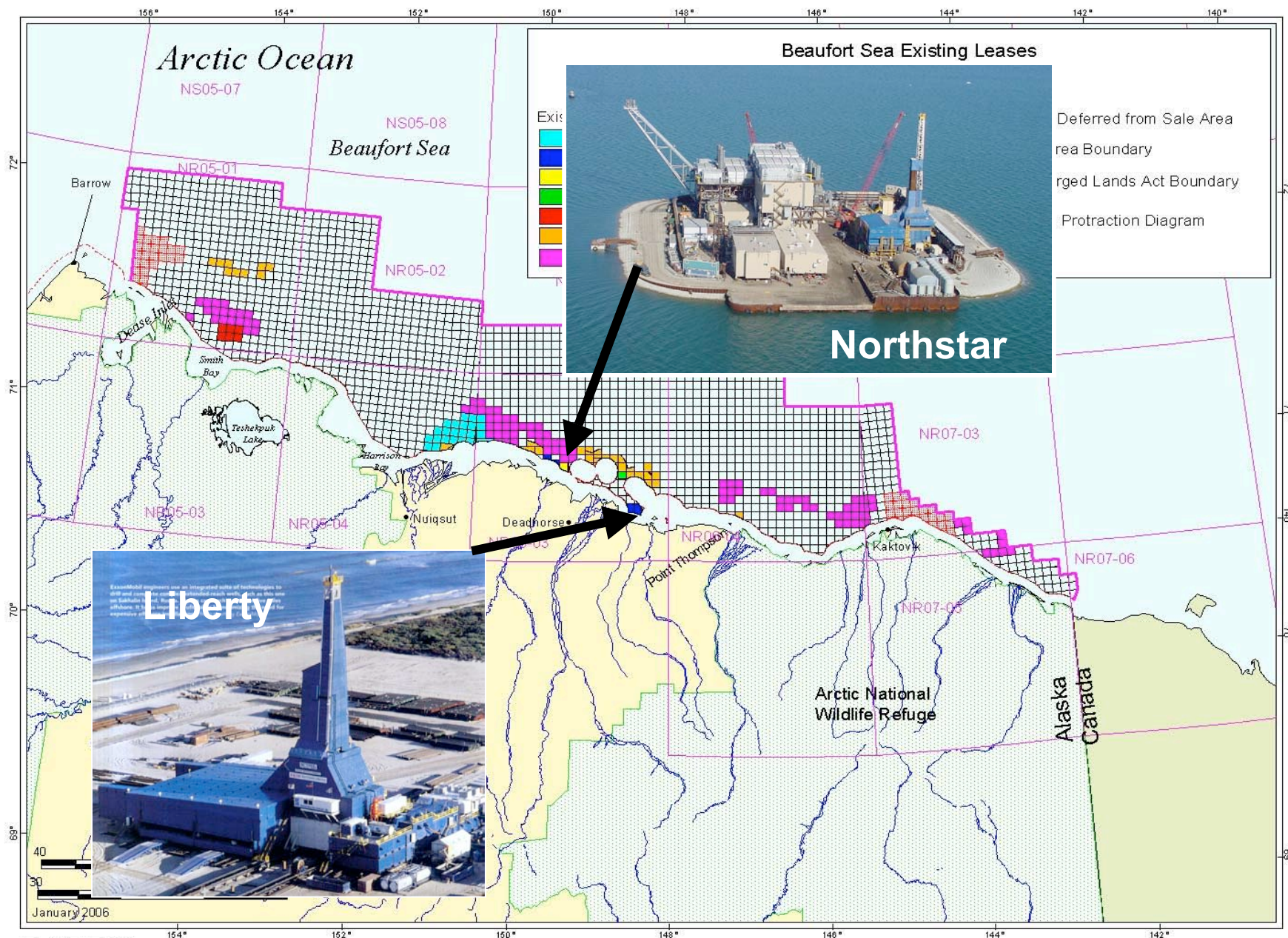
# Cosmopolitan Unit



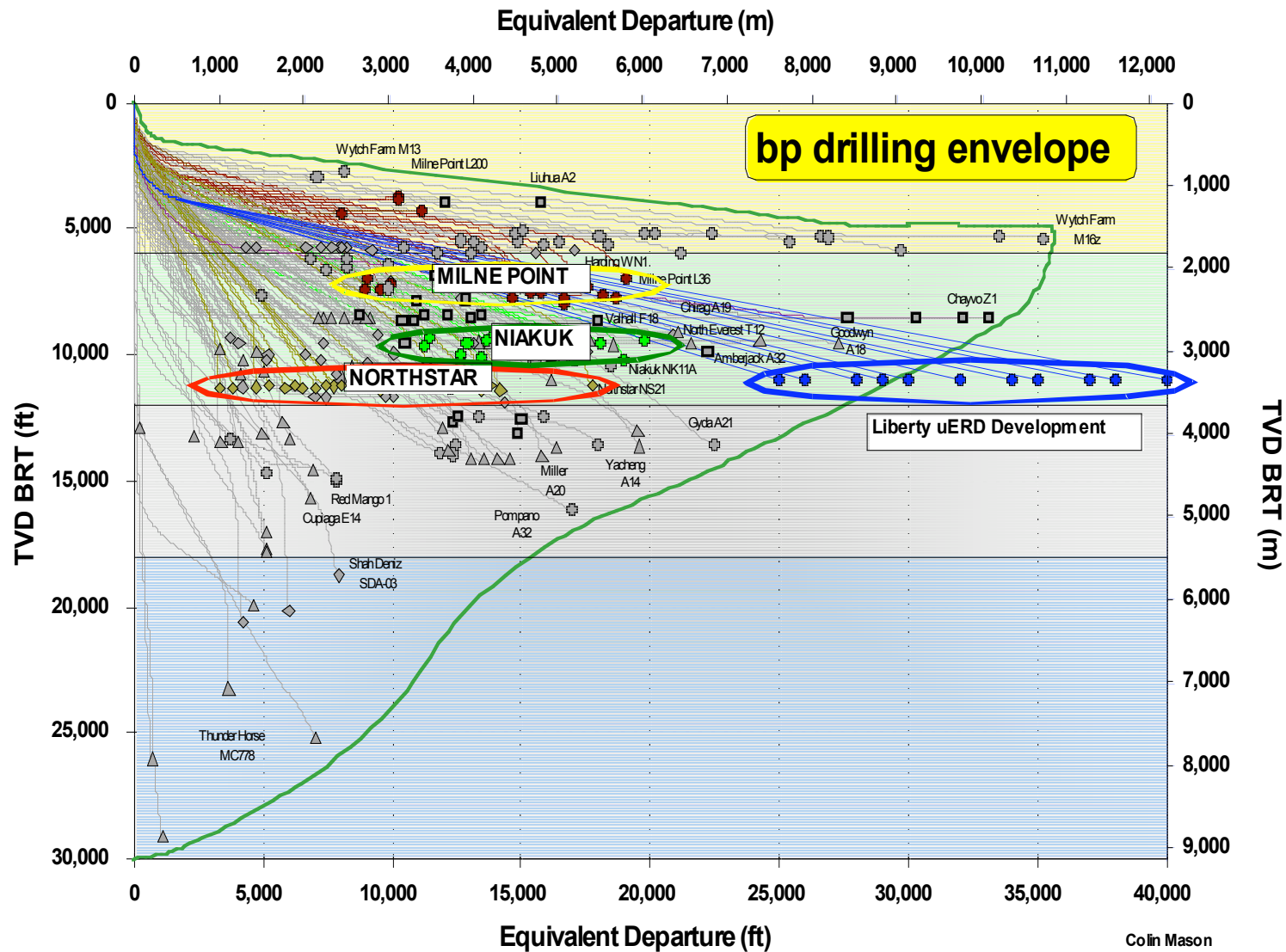
Source: State of Alaska



•Seismic  
•Exploration



# Extended Reach Drilling at Liberty



Colin Mason  
March 2005

# Where we've been...

- **Incidental Take Authorizations**

- Infrastructure
- Costs
- Ice



# Sharing the Shelf

- **The people onshore**
  - **Subsistence**
  - **Overload of projects**
  - **Cultural Stress**
  - **Economy**
  - **New tax base?**

# Sharing the Shelf

- **Marine fauna**
  - **Protected species**
    - Whales
    - Seals
    - Polar bears
    - Birds
  - **Fish and fisheries**
  - **Noise in the ocean**
  - **Climate change effects**

# Sharing the Shelf

- **Close coordination - permitting**
  - **State of Alaska**
  - **Boroughs**
  - **Tribes**
  - **Villages**
- **Federal Agencies**

# Sharing the Shelf

- **Opening of the Arctic Ocean**
  - Shipping
  - Other users
- **Law of the Sea**
  - Who owns the Arctic Ocean?
  - Setting the boundaries

# MMS-Funded Research

## Environmental Studies Program

Pollutant Transport  
(air & water)

Biological Resource  
Characterization  
(habitat & behavior)

Marine Environmental  
Monitoring

Fates and Effects

Socioeconomic Effects

Biotechnology

Invasive Species

**Leasing**

**Exploration**

**Production**

**Decommissioning**

## Technology Assessment & Research

Reduce Emissions

Blowout Prevention

Structural Removal

Corrosion  
Prevention

Oil Spill Response

Leak Detection

Marine Risers

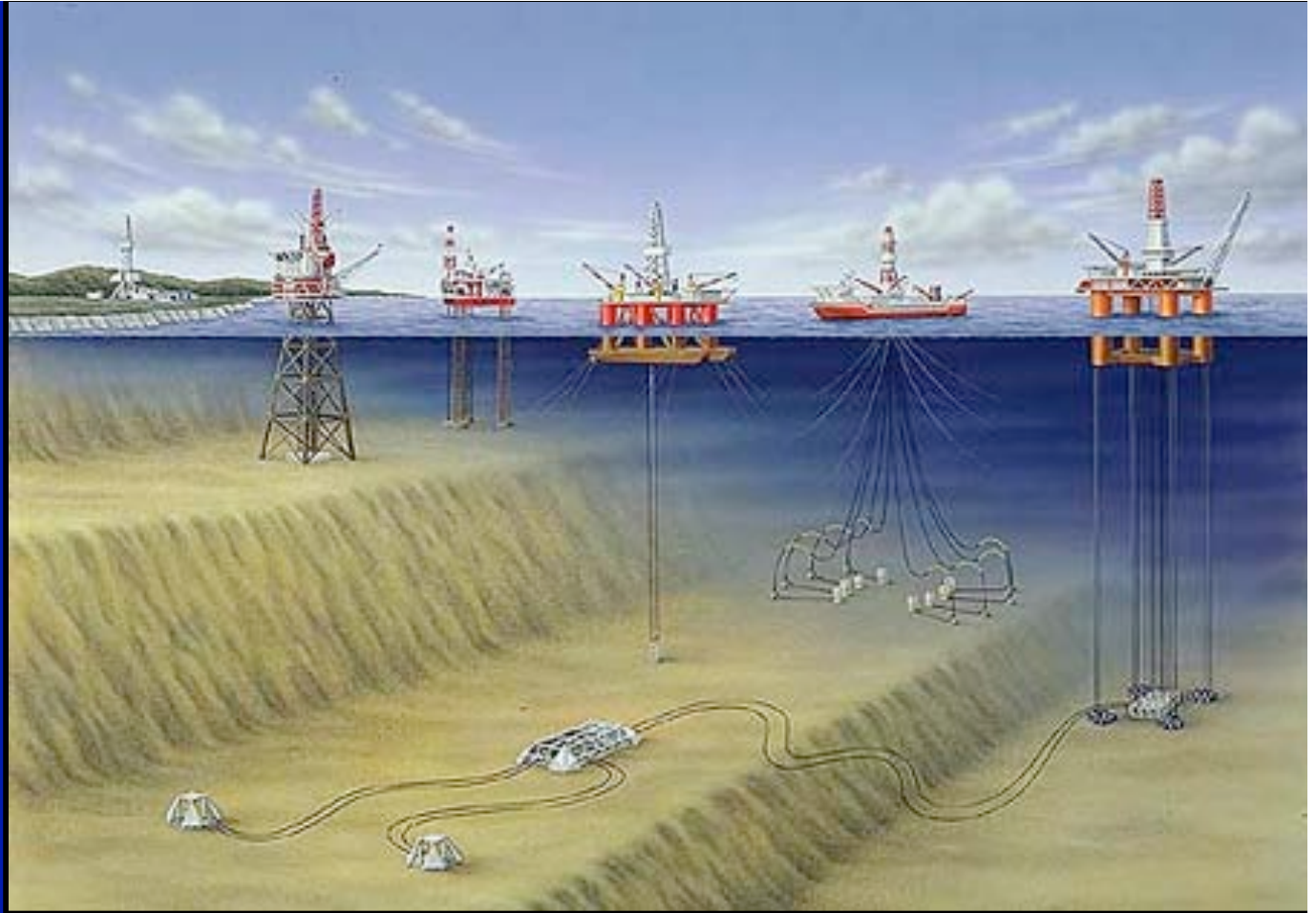
Composite Materials

# Research Planning

- Environmental Studies FY-07 Plan
- Chukchi Sea Workshop
  - November 1 – 3
- North Aleutian Basin Workshop
  - November 28 – 30
- Physical Oceanography
- Subsistence
- Sociology
- Economics
- Marine mammals
- Fish
- Birds
- Fate and effects of Discharges

# Technology Changes

- Platforms
- Pollution Prevention
- Safety Systems
- Human Factors
- Pipelines
- Oil Spill Response
- Remote vehicles



ISO – Arctic Structures Work Group

## Partnerships (present and future information sources)

- **ARLIS – Alaska Resources Library and Information Services**
  - [www.arlis.org](http://www.arlis.org)



- **Coastal Marine Institute**
  - University of Alaska



- **AOOS – Alaska Ocean Observing System**
  - [www.aoops.org](http://www.aoops.org)



- **NSSI – North Slope Science Initiative**
  - DOI, State of Alaska, North Slope Borough, et al



*And many more*

# Expanded Role of the Ocean



## Regional Systems

- Land-based inputs
- State & regional priorities
- Greater resolution
- More variables

## National System

- Satellite remote sensing
- Reference, sentinel stations
- Link to global module
- Data standards & exchange protocols

National Federation of Regional Systems

*In Alaska: AOOOS*

# Energy Policy Act of 2005

- Wind
- Wave
- Currents
- Coastal impact assistance



**More uses of the Ocean**

# Key dates

- 5 Year Plan Proposed Program (2207-12)
  - November 22
- Chukchi Sea Sale 193 DEIS
  - December 19
- Beaufort Sea Sale 202 Proposed Notice
  - December 26

# Visit our booth

<http://www.mms.gov/>



<http://www.mms.gov/alaska/>

