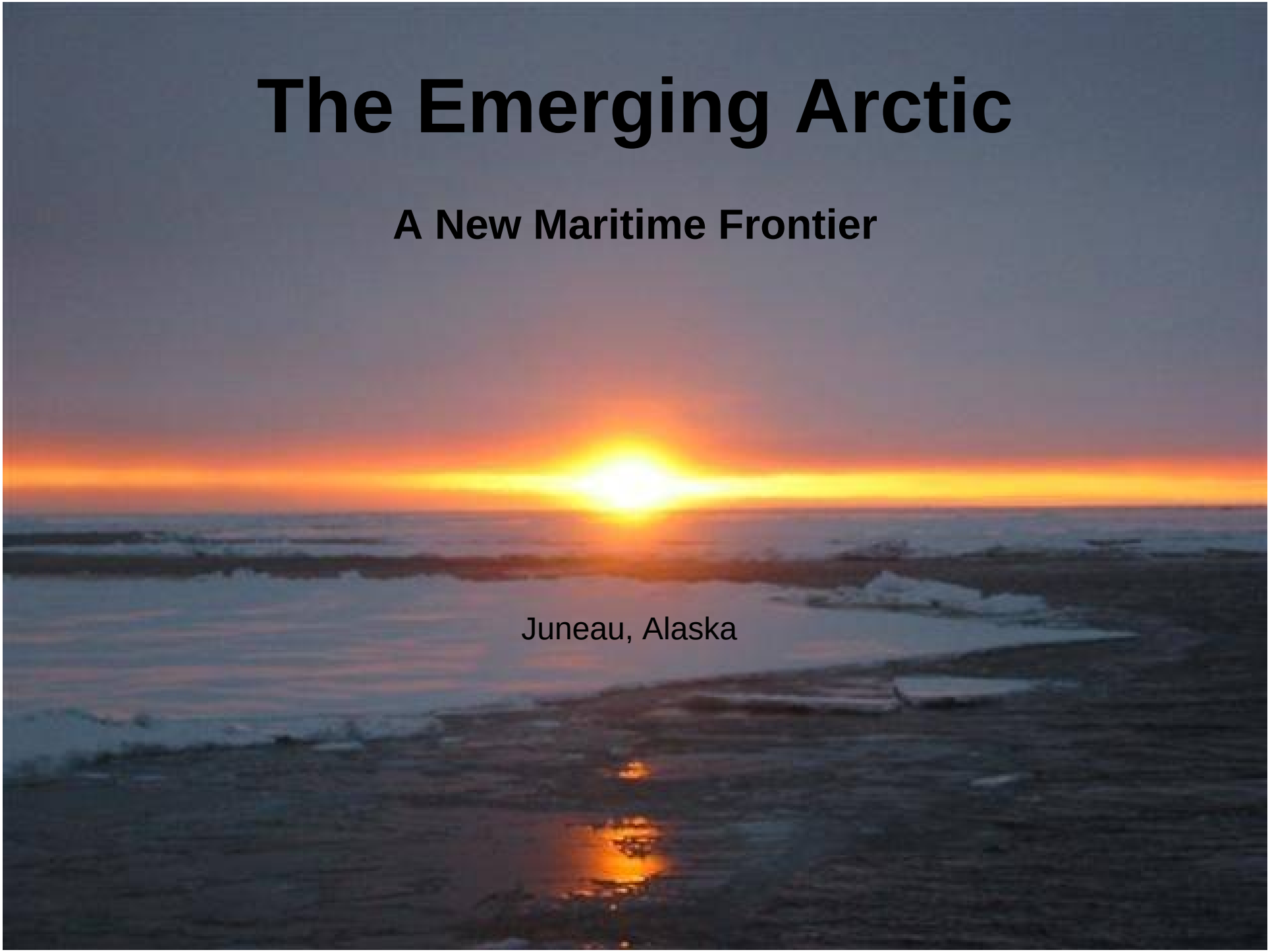


The Emerging Arctic

A New Maritime Frontier

Juneau, Alaska

Agenda

- Changes in the Arctic
- Coast Guard in the Arctic
- Coast Guard Missions
- Arctic Operations Summer 2008

Summer Sea Ice Retreat

National Aeronautics and Space Administration

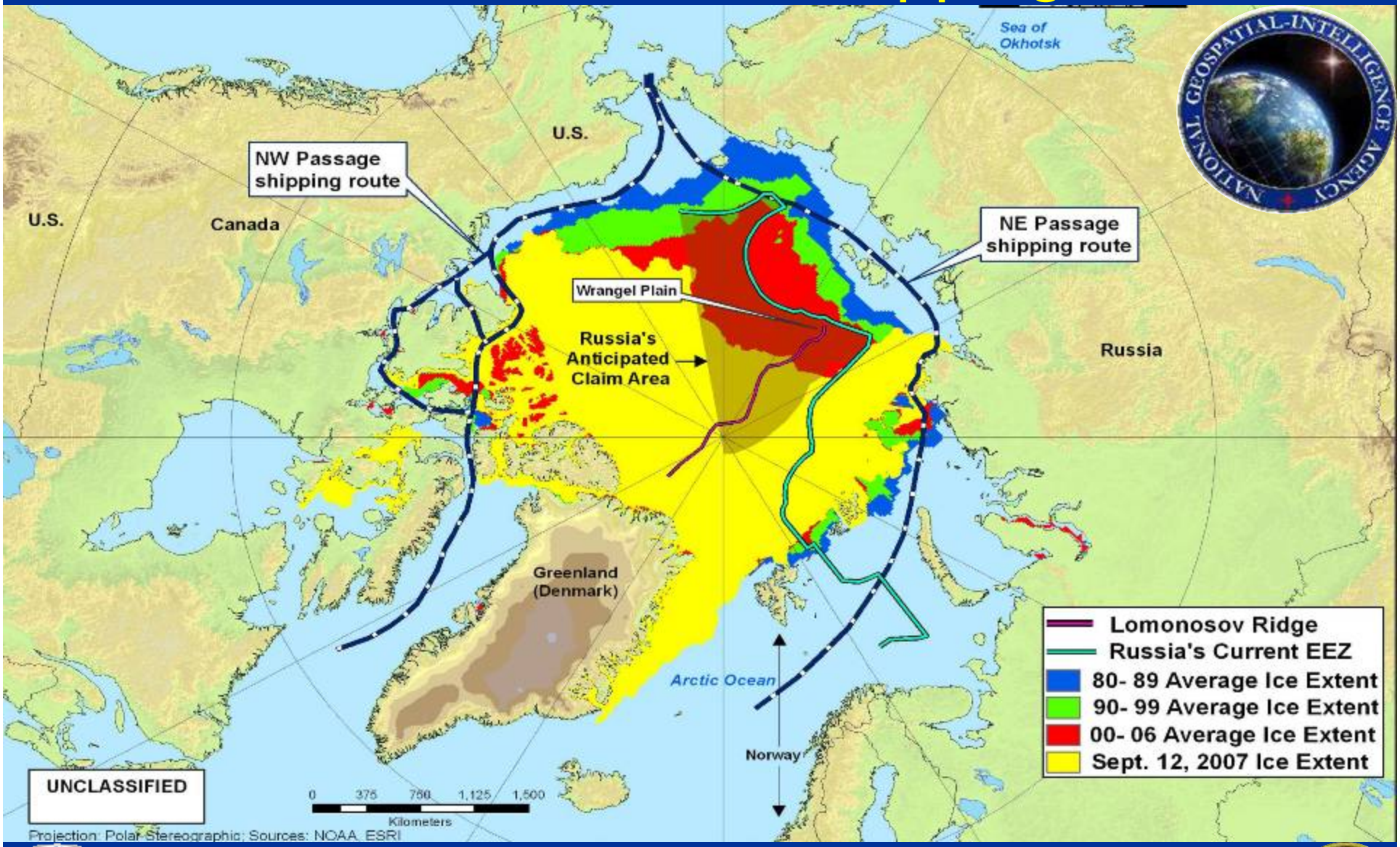
Boundary Claims

OXFORD INSTITUTE FOR ENERGY STUDIES

Homeland Security

1) North Pole
2) Lomonosov Ridge
3) 200 nautical mile line
4) Russian-claimed territory

Future Maritime Arctic – Shipping Routes



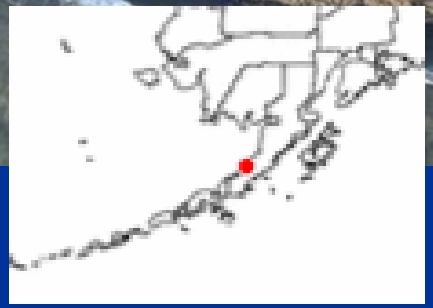
Homeland Security

Maritime Traffic Management

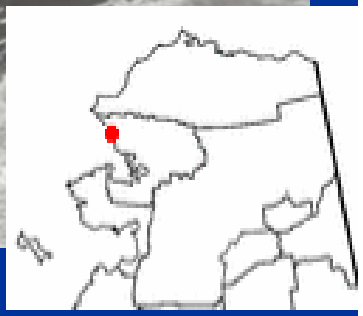
- Discuss process for establishing ship routing measures
  - Lengthy process, ultimately approved by International Maritime Organization

Coastal Erosion

- Loss of protection from fall storms



Port Heiden

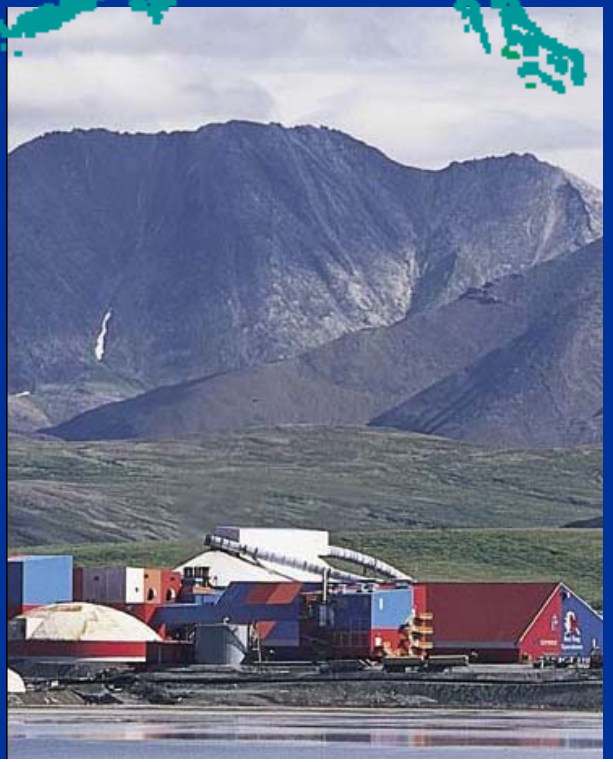


Kivalina

Homeland Security

Seasonal Ore Operations

RED DOG
OPERATIONS
ALASKA



Growing Eco-Tourism

- M/S Explorer
  - Nov 2007: 154 people abandon a cruiseliner that struck an iceberg and sank in the Antarctic

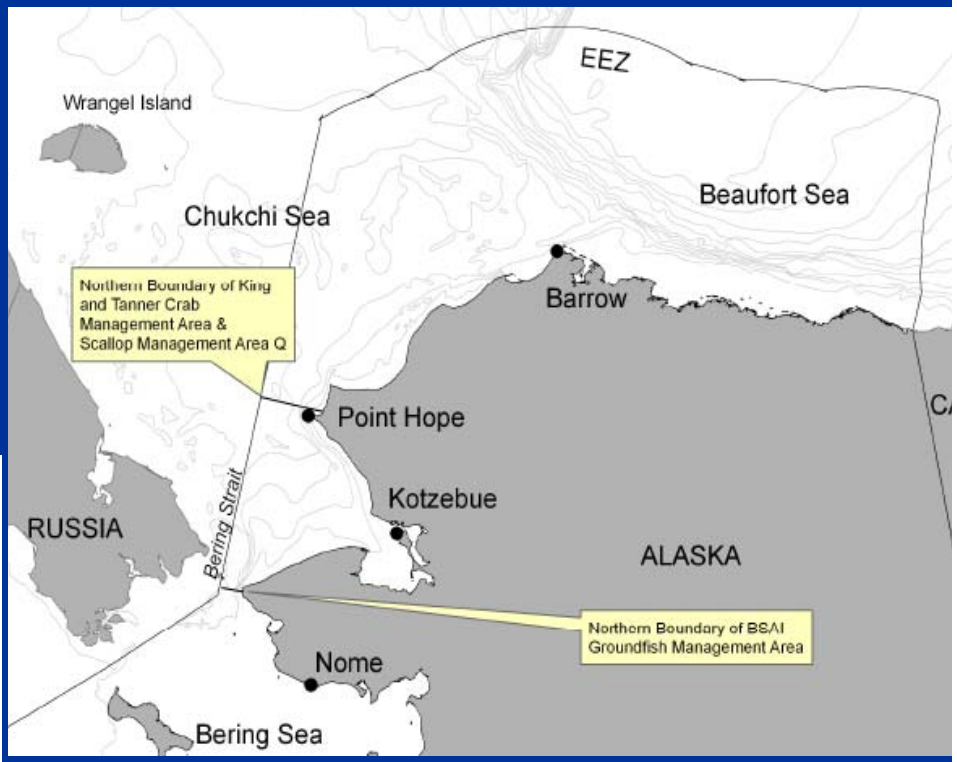
Expanding Resource Exploration

- Increased offshore exploration
  - 18 commercial vessels
  - 12 exploration wells
- Legal issues pend

Homeland Security

Species Movement North

- Stocks are moving North
- No commercial fishing in Arctic
  - Awaiting NPFMC decision



NPFMC – North Pacific Fishery Management Council

Homeland Security

Coast Guard in the Arctic

USRC *Bear*

Bering Sea Patrol

1867- present

CG brings federal presence to Alaska

USRC *Manning*

USCGC *Polar Sea*

Overland Relief Expedition

Crews race across the frozen sea to trapped vessels

Reindeer meat “on the hoof” herded to crews in time to prevent starvation

Loran

- Post WII, Coast Guard sets up 6 loran stations.

Loran Station Attu
Loran Station Kodiak
Loran Station Port Clarence
Loran Station Shoal Cove
Loran Station St. Paul
Loran Station Tok

Loran: LOng **RA**nge **N**avigation

Homeland Security

Northwest Passage Expedition

- 1957 – CG Cutters Storis, Spar, Bramble circumnavigate North America.

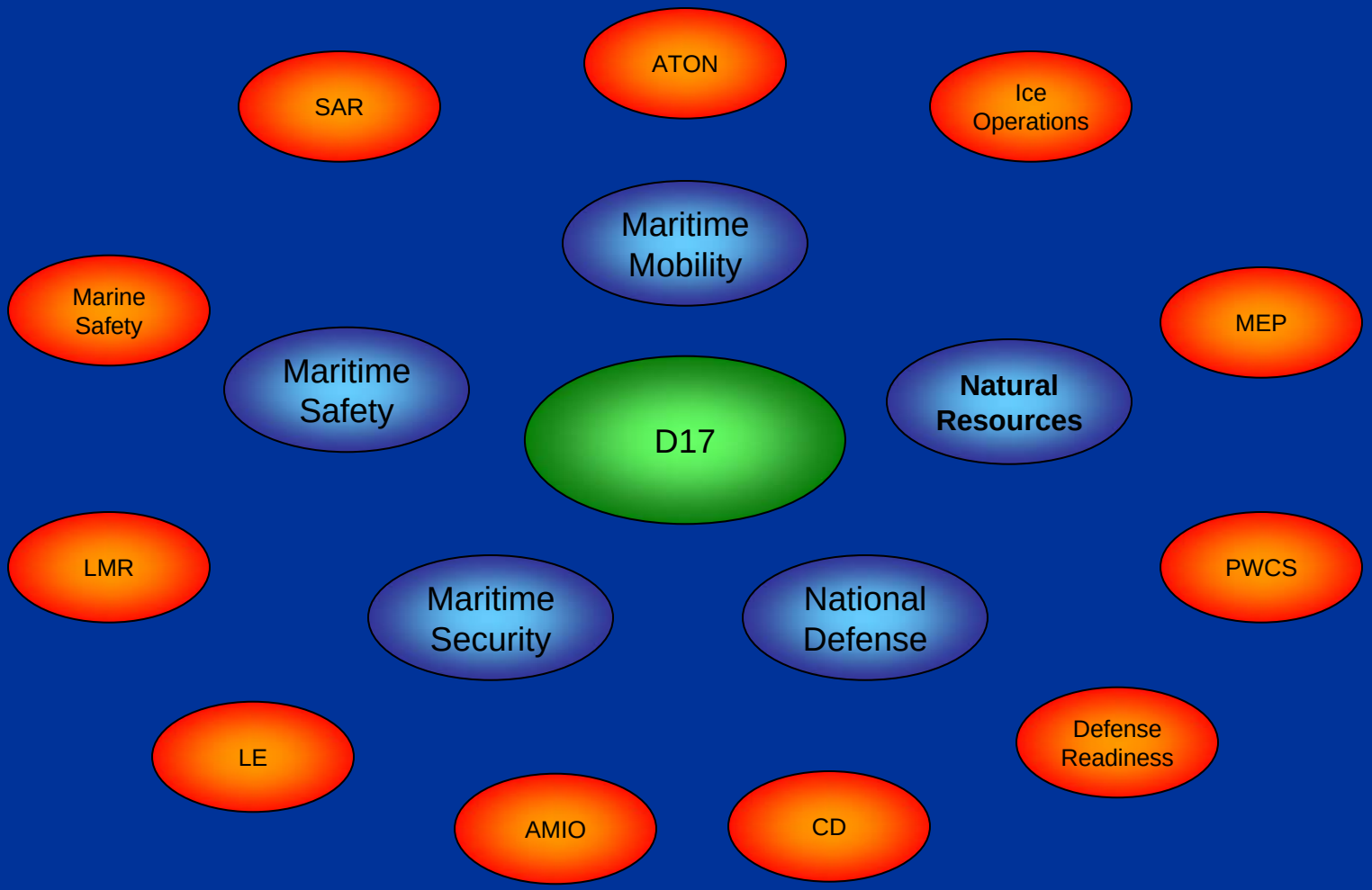
The CG has 142 years of Arctic Service

USRC *Bear*

- Ice breaking
- Ice patrol
- Loran
- Marine mammal protection
- Bering Sea Patrols
- World War II
- Overland Expedition
- Exploration
- Marine Safety

Homeland Security

Missions



Homeland Security

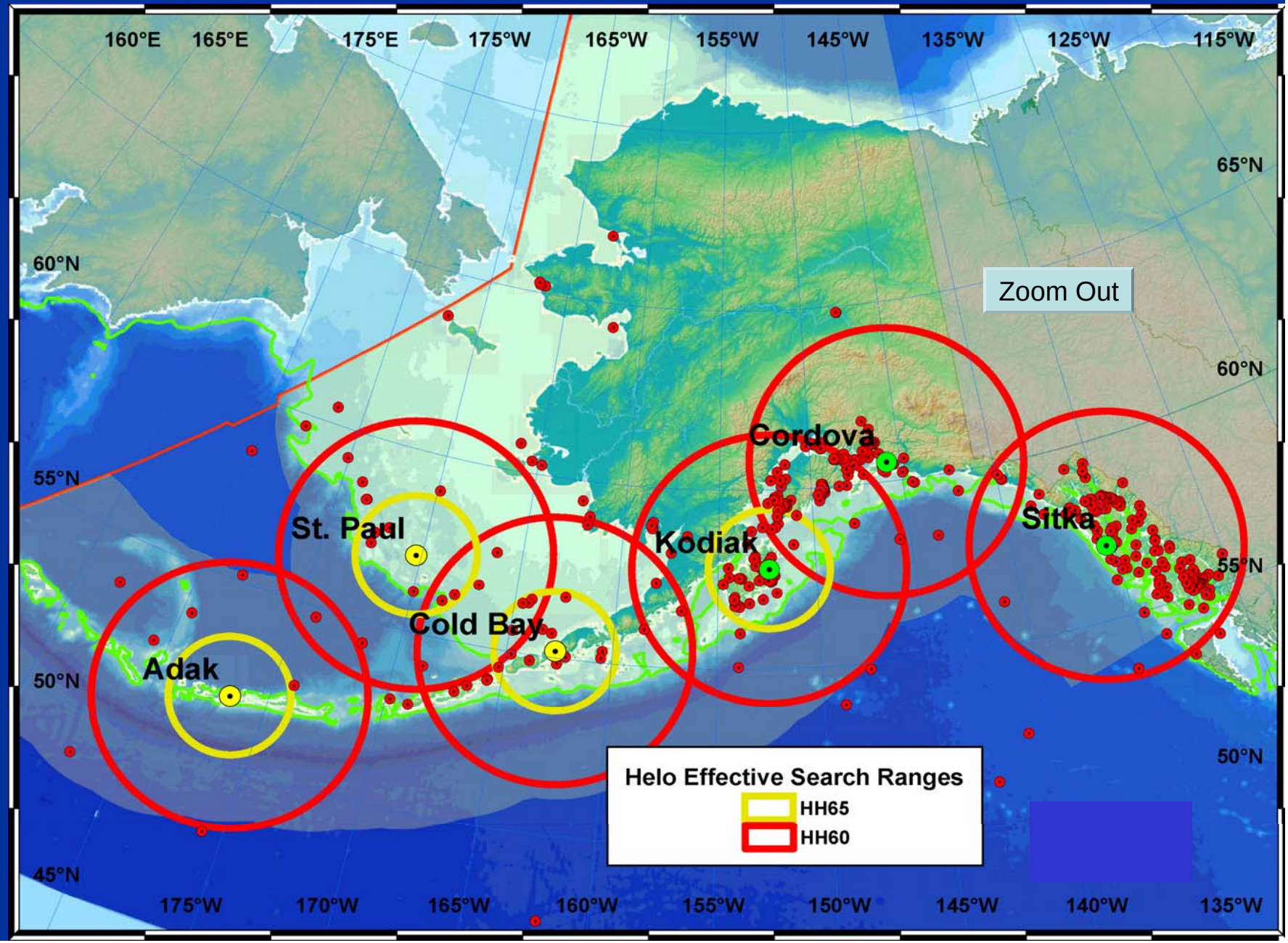
Maritime Law Enforcement

- Domestic Fisheries
- US Russian Maritime Boundary Line (MBL)
- IUU/HSDN
- LE Partnerships

Homeland Security

Marine Safety

Search and Rescue – FY07



Aids to Navigation

- Largest Buoy Tender Fleet in Pacific Area
- Flying ANTs
- Loran Stations

Ice Operations

- Polar Region Ice Breaking – Scientific & National Security Activities
- Cook Inlet – Ice Measures
- Valdez – Ice Routing

Homeland Security

Marine Environmental Response

Homeland Security

- AMSC Sub-Committees (PSCs)
- HCPV Security
- SEAK “1 Port” ANOA Concept
- 225’ WLB MSST Transports

Homeland Security

Defense Readiness

- Joint Exercises
- Military Outload Security

Arctic Changes Drive Coast Guard Mission Expansion North

All Coast Guard missions in Southern Alaska must be expanded to Northern Alaska

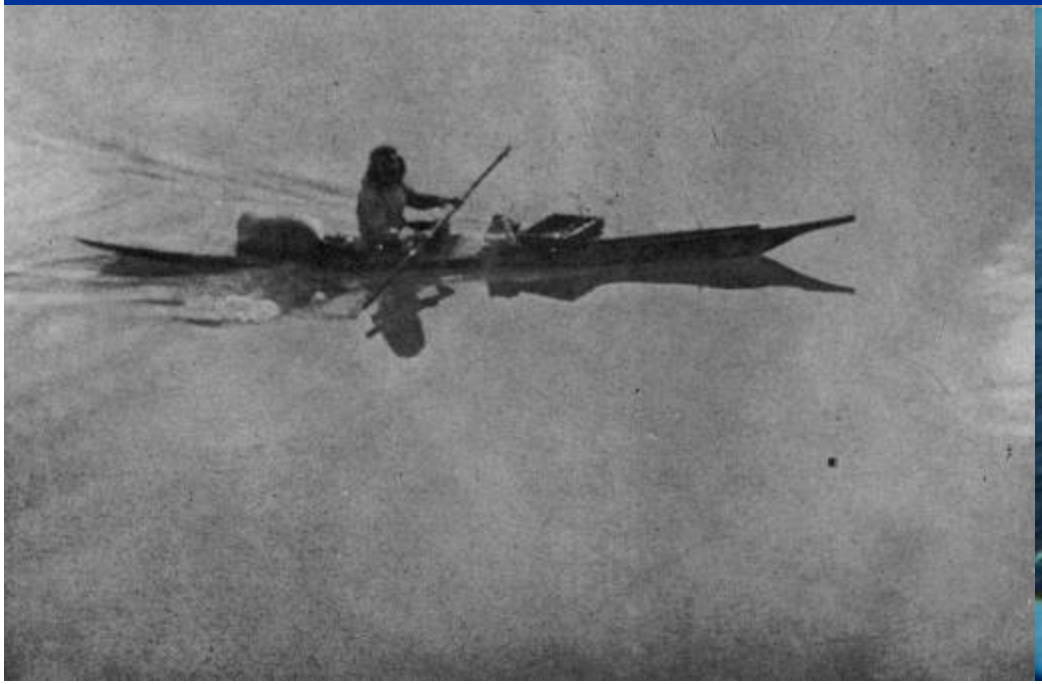
Science is More Critical

- Support of scientific endeavors
  - Research on climate change and its effects

Homeland Security

Coastal Community Engagement

- Engagement with the peoples of the Northern regions of Alaska
  - Leverage thousands of years of experience
  - Promote environmental and cultural understanding

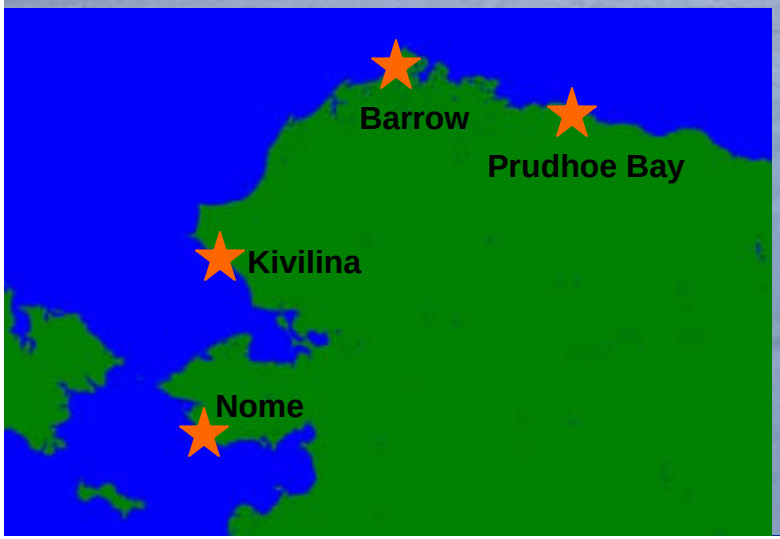


Arctic Ops Summer ‘08

- Develop Arctic Domain Awareness
  - Nome C130 Deployment
- Cutter Operations
  - HEALY, POLAR SEA
- CGC SPAR Waterways Analysis & Management System
- International Search and Rescue Exercise
- Tailored Force Package Deployment
- Prudhoe Bay Maritime Security Deployment
- Coastal Community Engagement

Arctic Domain Awareness

- Air Patrols
  - ‘Eyes on’ above the Arctic Circle
  - Provide scientists platforms of opportunity



Arctic Domain Awareness

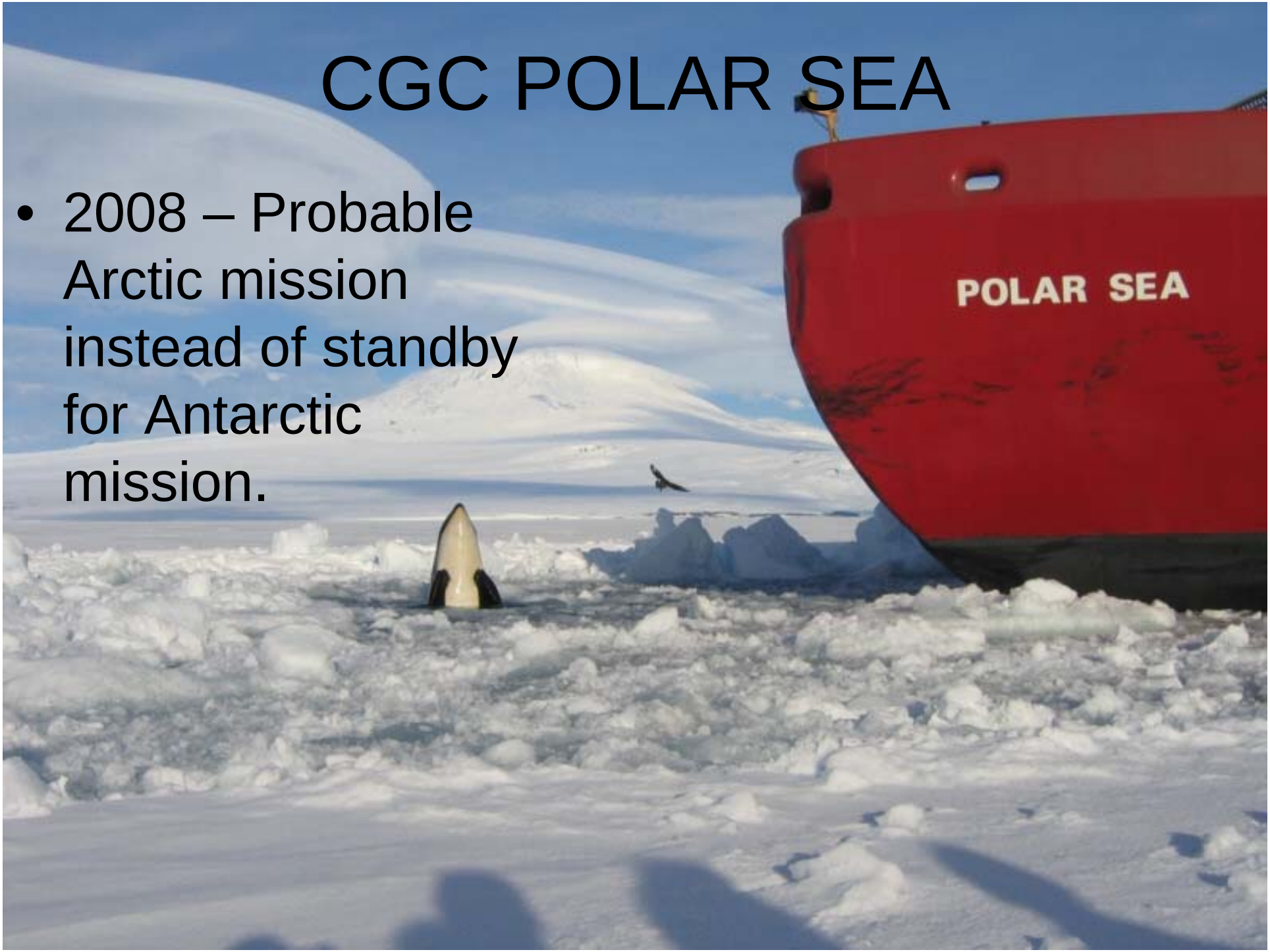
- 2007-2008 - C130 deployment to Forward Operation Location (FOL) in Nome, Alaska

CGC HEALY

- Three Arctic deployments in 2008 in support of National Science Foundation

CGC POLAR SEA

- 2008 – Probable Arctic mission instead of standby for Antarctic mission.



CGC SPAR

- Waterways Analysis & Management System (WAMS) assessment/reassessment of North Slope

Joint Search and Rescue Exercise

- 2008 – Tentative plans to invite Arctic nations to participate to build partnerships and test our capabilities.

Norway

Canada

Denmark

Russia

Homeland Security

Tailored Force Package

- August 2008 - Barrow, AK
  - 2 Helos and 2 25’ small boats via C-130
  - Boating Safety Training Team
  - Community/tribal liaison Team

Auxiliary in the Arctic

- Provide boating safety services tailored to each Arctic Community's need.
- Conduct educational exchange on boating safety.
- Current plans for visits include Barrow, Kotzebue, Nome, and possibly some of the remote North Slope villages.

Homeland Security

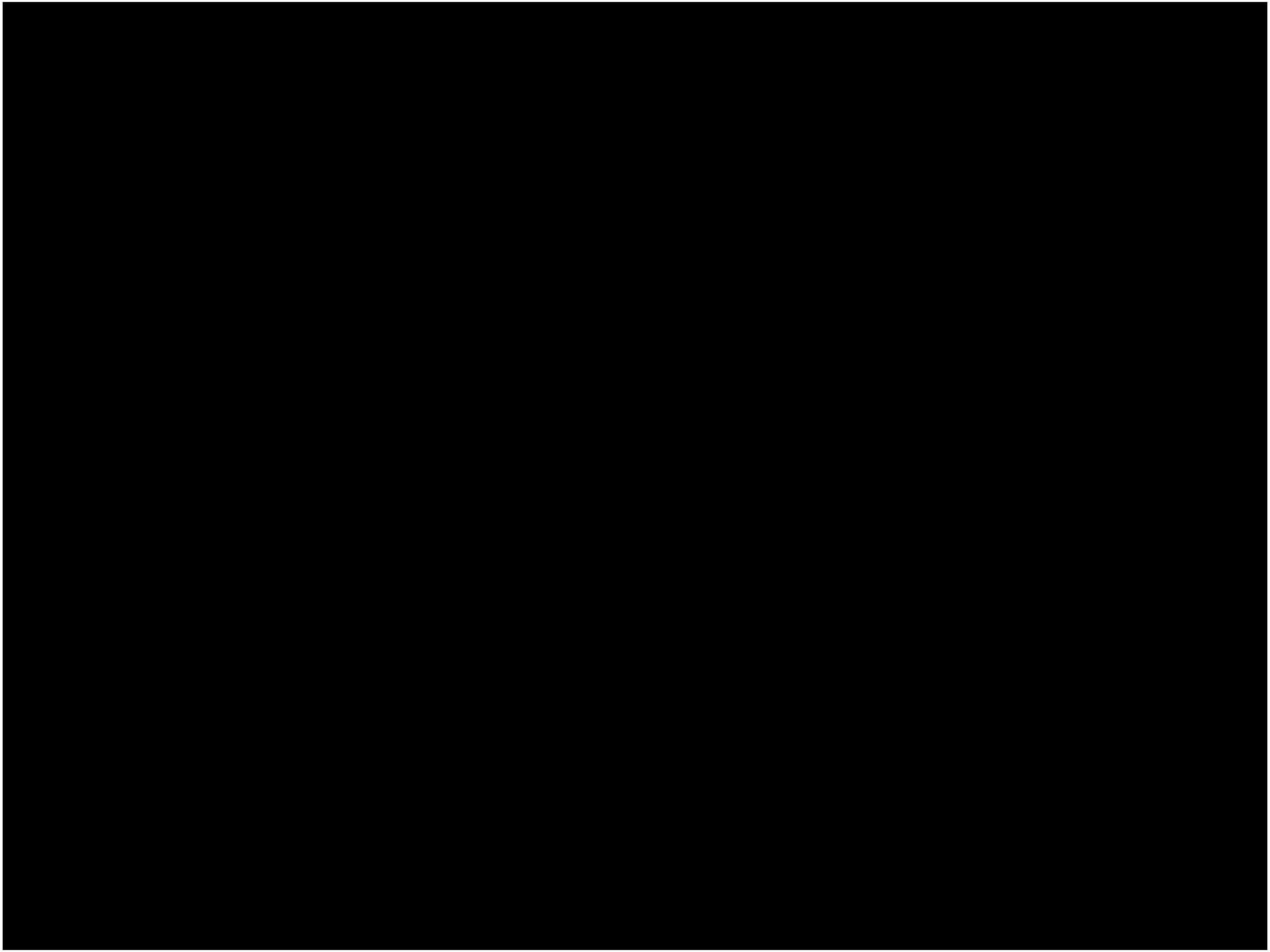
Prudhoe Bay Maritime Security Deployment

- 2008 - Prudhoe Bay, AK
  - Community/tribal liaison Team
  - Arctic Security exercise

Way Ahead

- Potential establishment of one or more Forward Operating Locations on the North Slope and Western Alaska
- Collect lessons learned from summer operations
- Build operational requirements baseline

Summary

- The Arctic is upon us
- Arctic boundaries must be determined
- Others will balance development and the environment. The Coast Guard will provide maritime safety and security for their decisions
- All Federal, State, and local agencies must prepare for full seasonal operations in the Arctic

Questions?