

Intl' Aspects of Threats & Resiliency in the Arctic

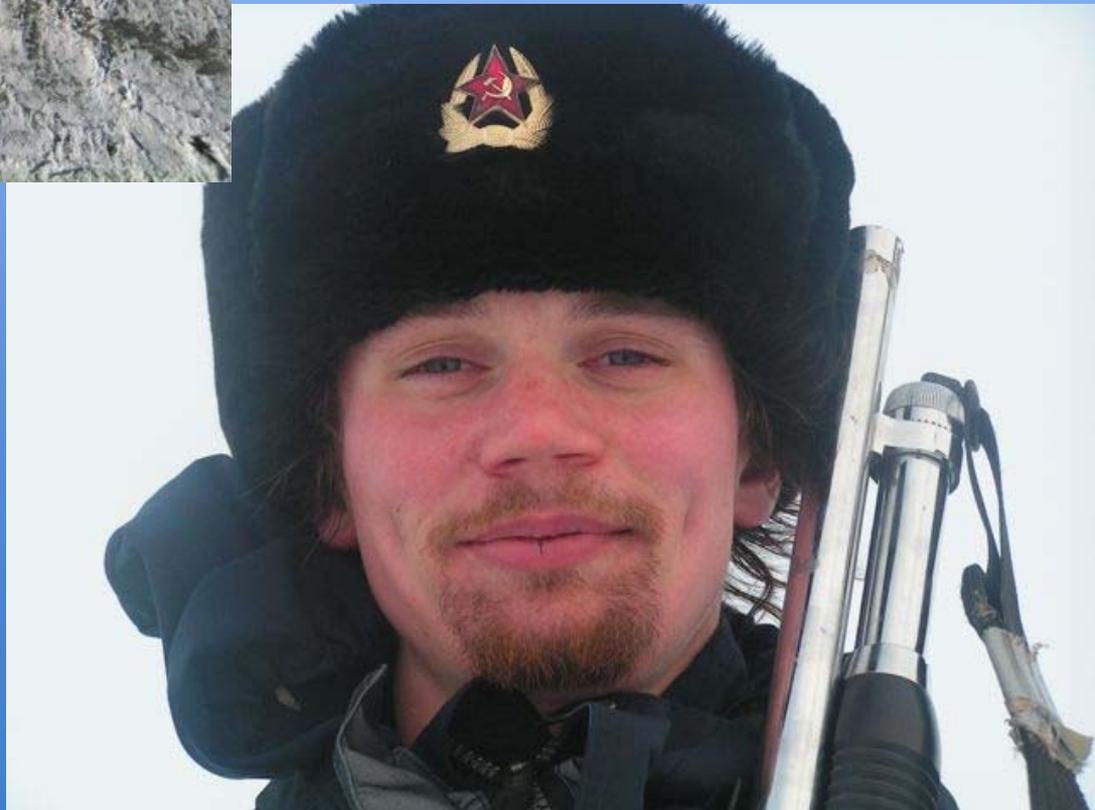
John Farrell

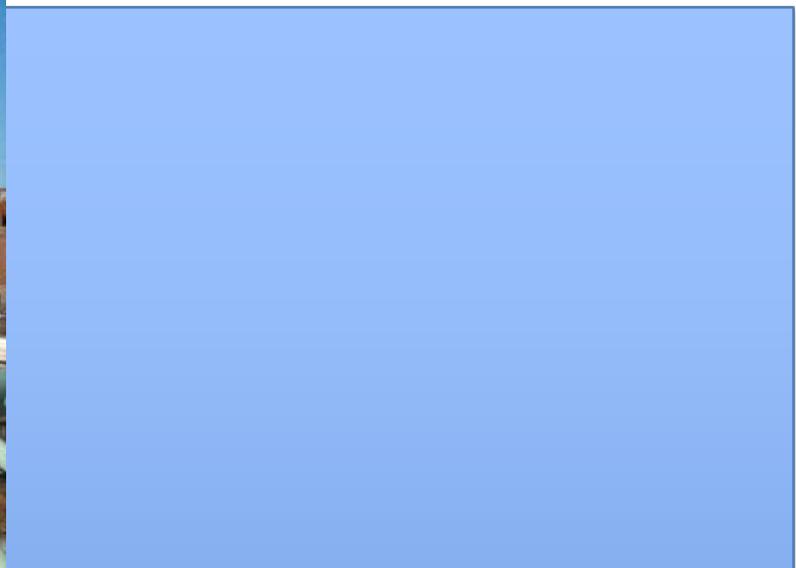
Executive Director
U.S. Arctic Research
Commission

March 11, 2010



Threats...?

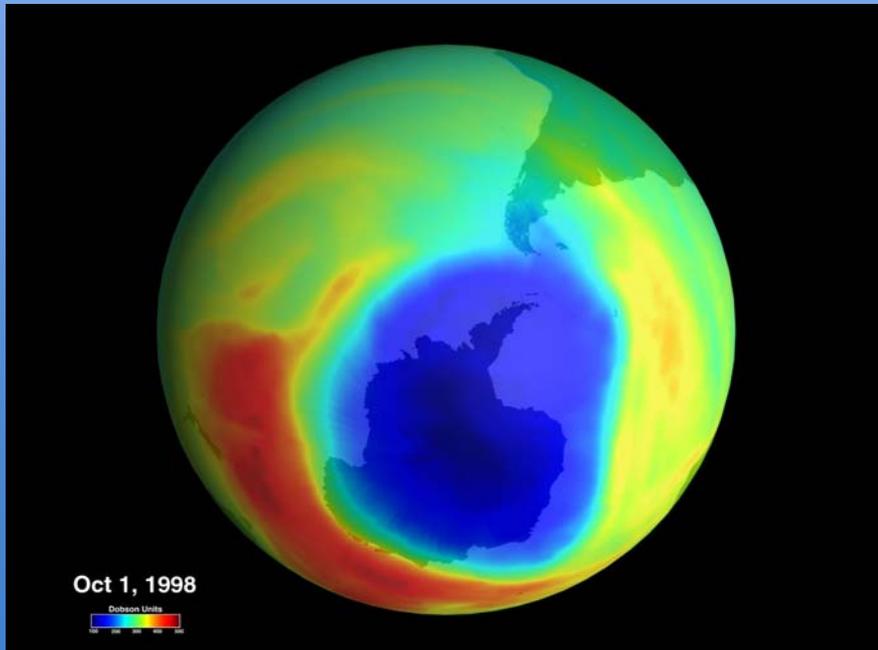


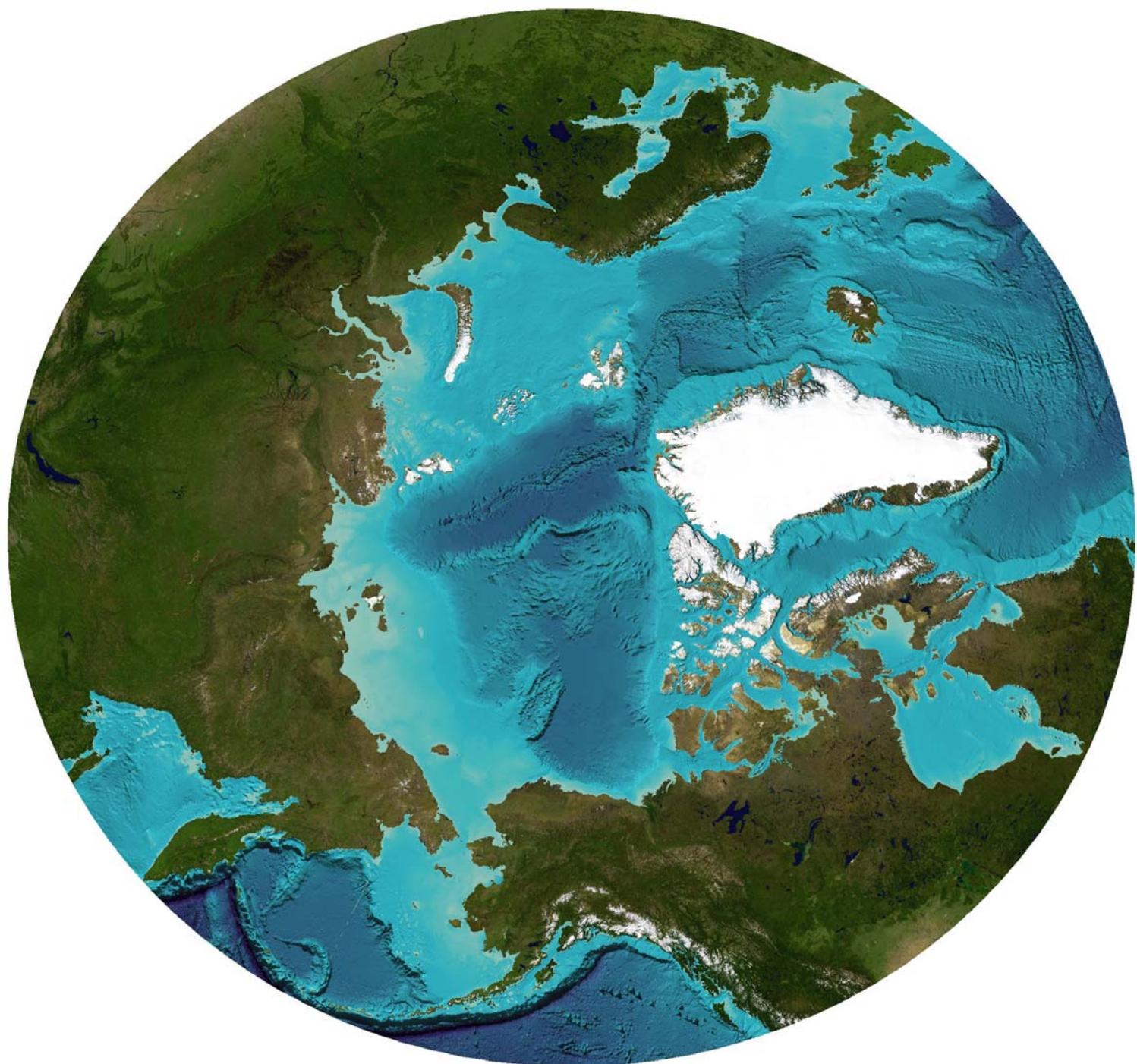


no...

Skeptics distract us from security risks

**It's the
eco₂nomy,
stupid.**



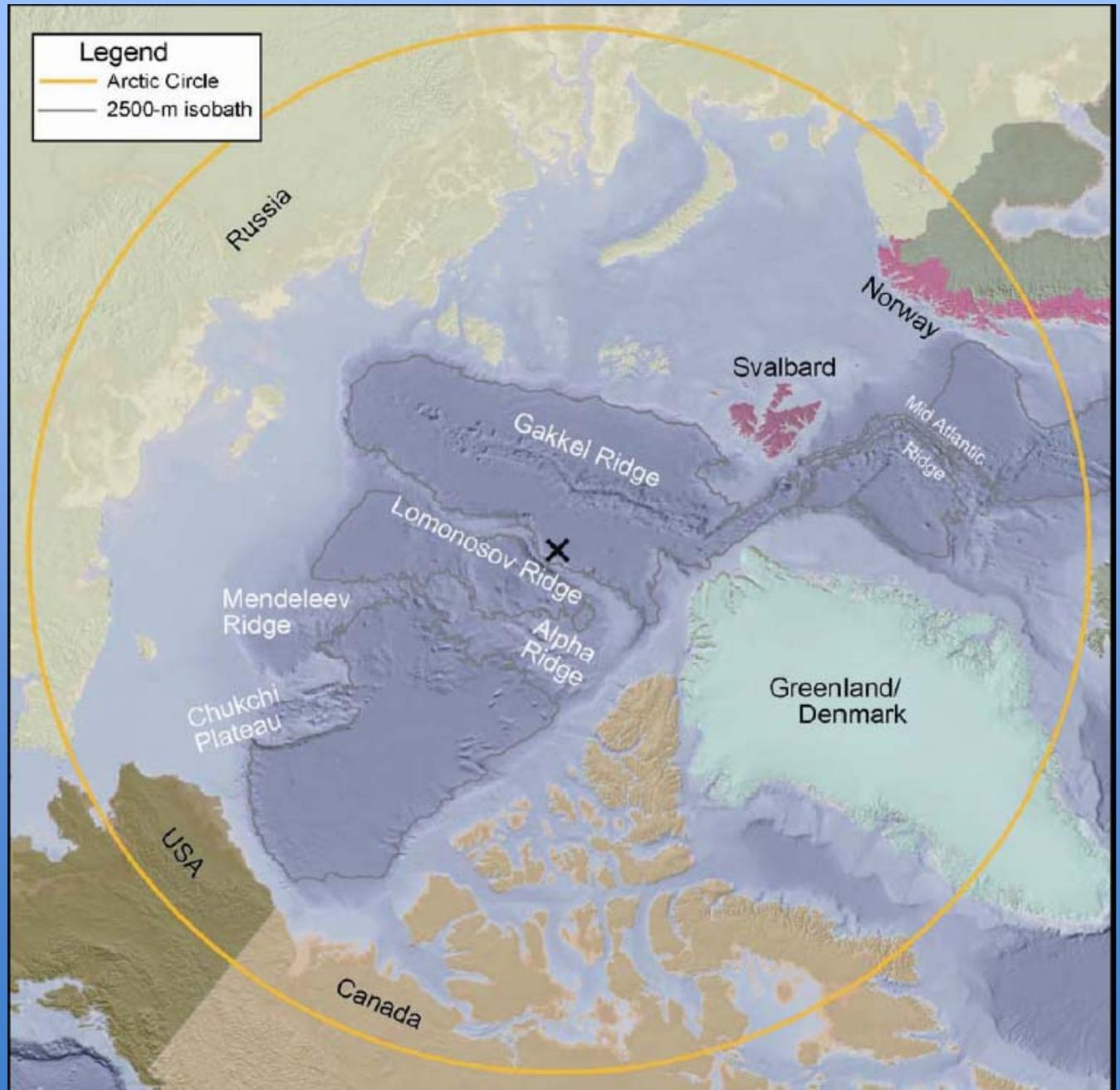


Who are the Arctic Countries?

U.S.
Russia
Canada
Denmark
(Greenland)
Norway

Finland
Iceland
Sweden

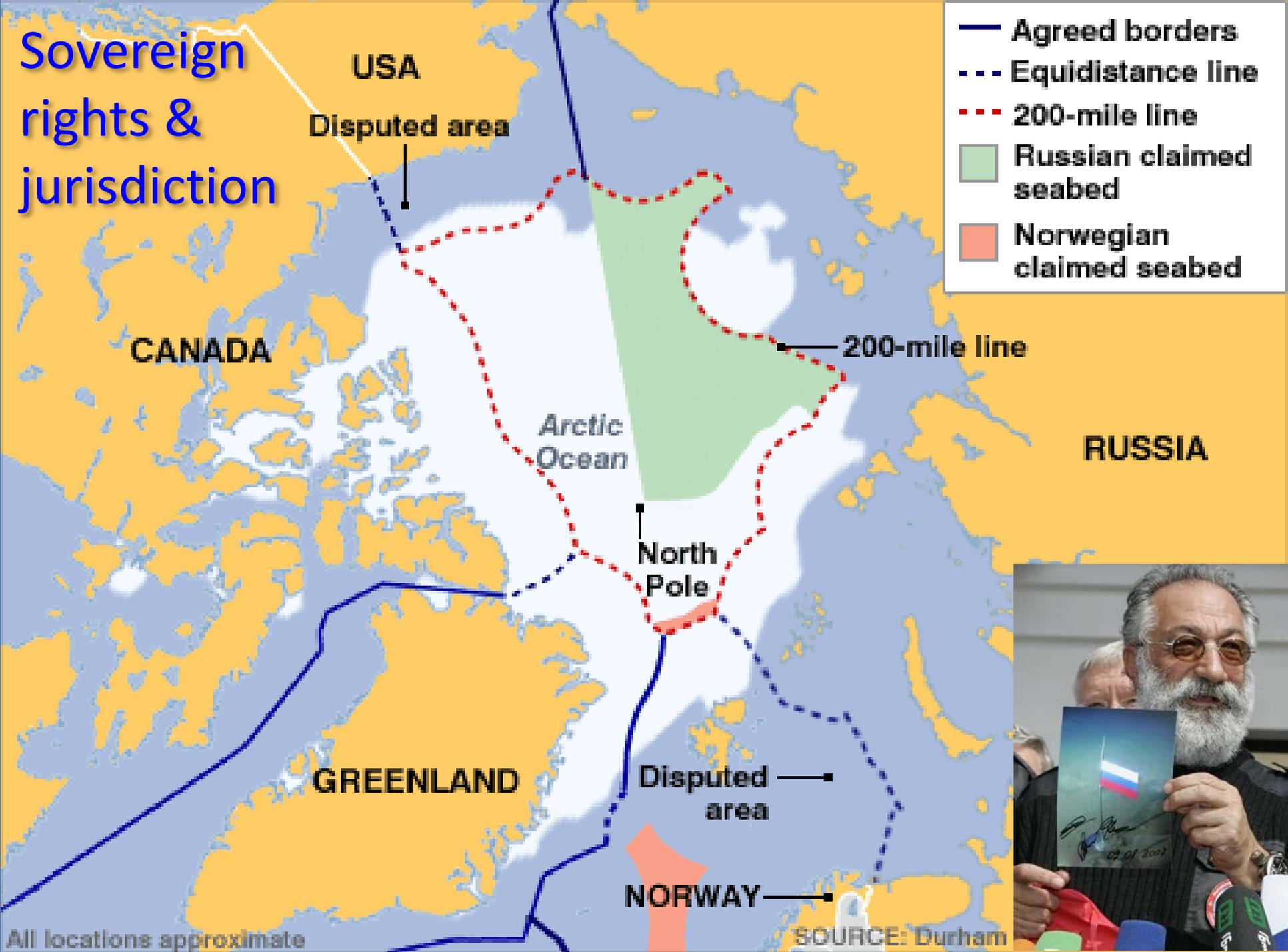
China?



Arctic area defined in US law



Sovereign rights & jurisdiction



Key Questions:

Does the US require a clear, coordinated security strategy to succeed in the region?

Should we make it a priority to develop its capabilities and Arctic presence at the same pace as other Arctic states? If not, what are the consequences?

Will the USCG be capable of carrying out its multiple missions in the Arctic? Infrastructure...

How will an increase in shipping in the Arctic region affect our security interests?

Key Questions:

What does the recent posturing of foreign Arctic states' militaries mean for US policy?

Can the US and Europeans enhance our cooperation and on what terms?

How/where are US and Canadian interests aligned in the Arctic?

What role can NATO play in the region and how would it effect cooperation with Russia?



**USCG/USARC Arctic Domain Awareness Flight
9/15/09**



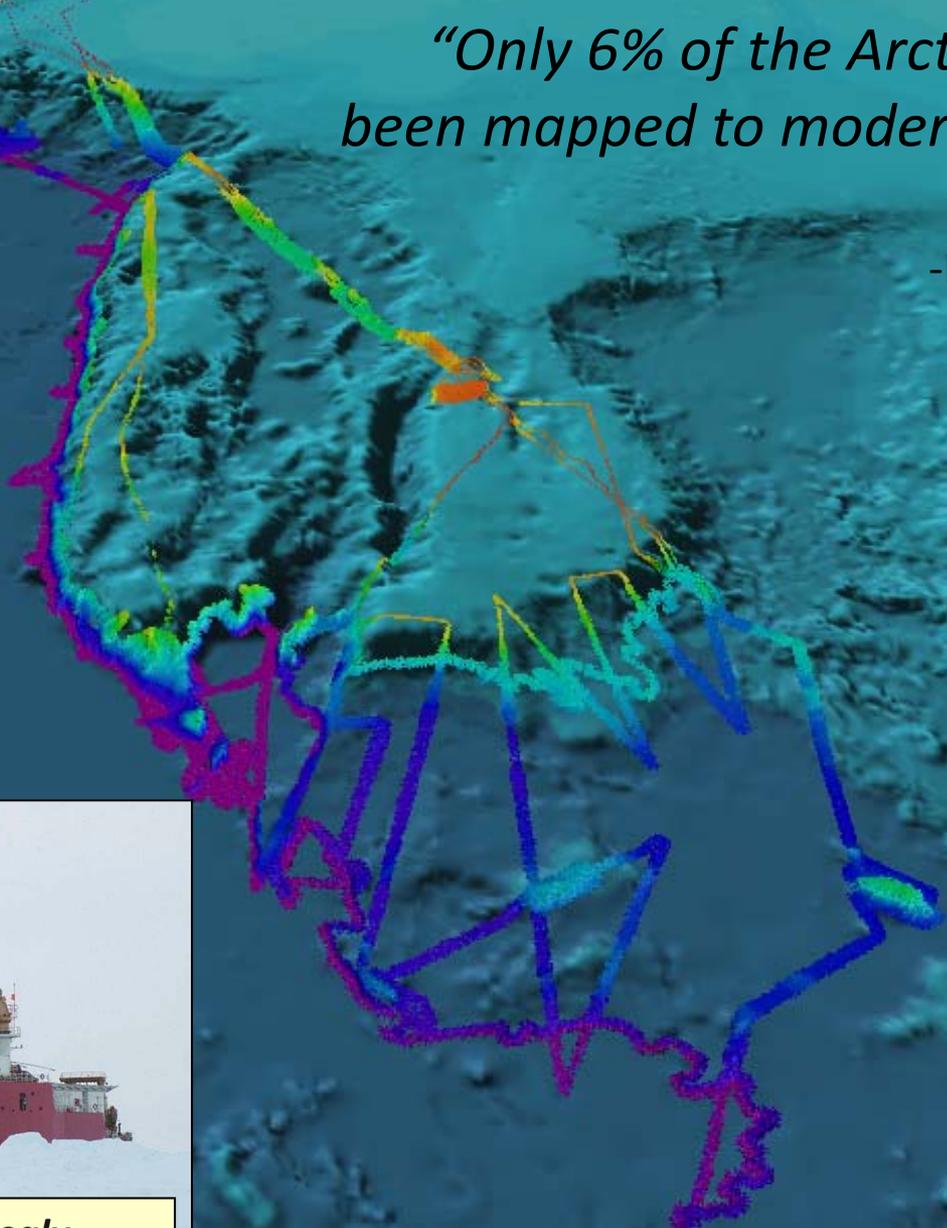
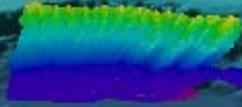




“Only 6% of the Arctic Ocean has been mapped to modern standards”

-Larry Mayer 6/09

2003, 2004, & 2007
multibeam



U.S. Coast Guard Cutter *Healy*

U.S. Arctic Policy (NSPD-66/HSPD-25)

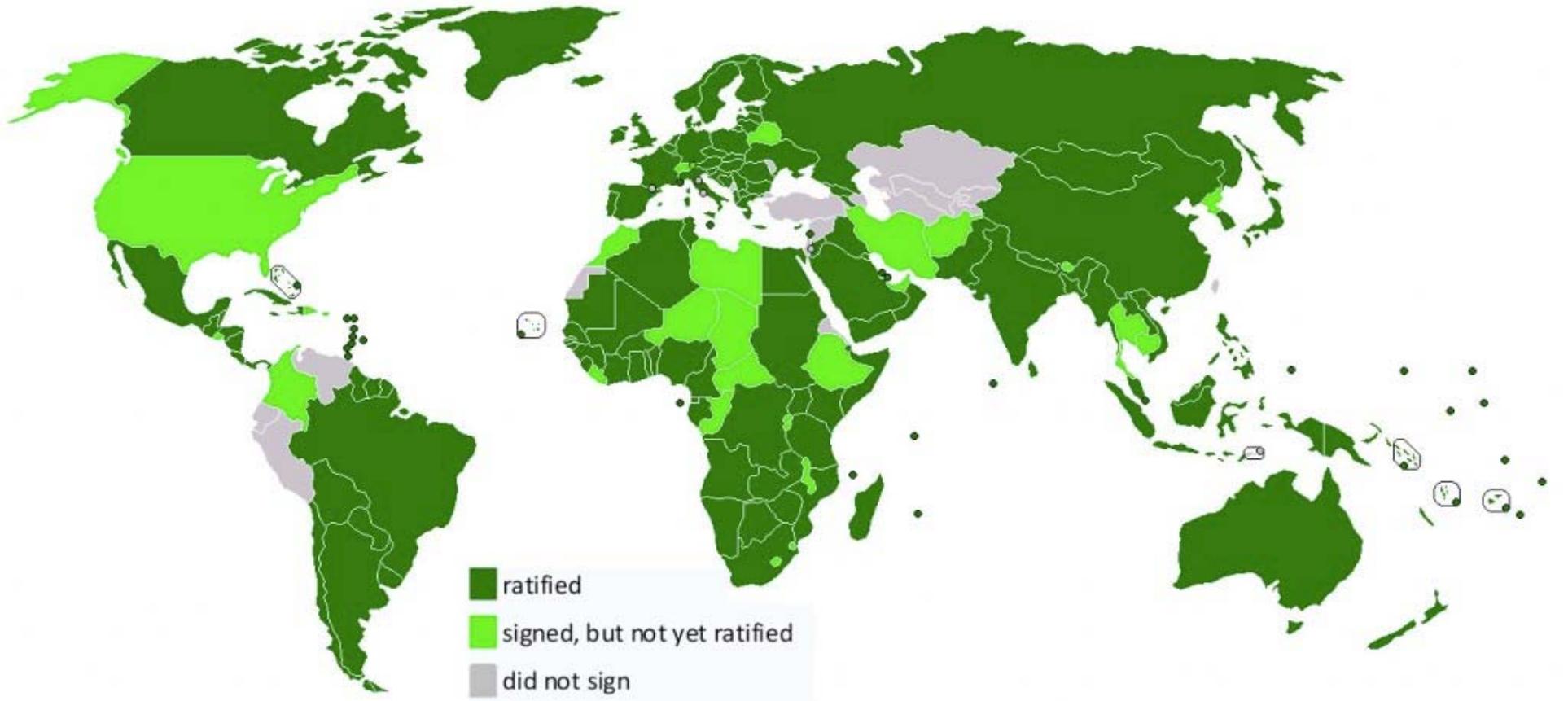
- National/Homeland Security Interests
- International Governance
- Extended Continental Shelf and Maritime Boundaries
- Promoting International **Scientific Cooperation**
- Maritime Transport
- Economic/Energy
- Environmental Protection

Seven policy areas – one overarching legal dynamic –
relationship between international law, mainly the law of the sea
and national sovereignty

International Law & Governance

- UNCLOS
- MARPOL
- IMO guidelines
- Arctic Council
 - US, Canada, Denmark, Finland, Iceland, Norway, Russia, Sweden
 - Intergovernmental forum
 - Focus on environment & sustainable development
- US does not support a new treaty for the Arctic

UNCLOS



US, Libya, North Korea, Iran...

28 May 2008



THE ILULISSAT DECLARATION

ARCTIC OCEAN CONFERENCE
ILULISSAT, GREENLAND, 27 – 29 MAY 2008

British Minister for Foreign Affairs and the Premier of
five coastal States bordering on the Arctic Ocean –
Federation and the United States of America
2008 in Ilulissat, Greenland, to hold
Climate change and
the livelihoods
Contribution of



**Analysis Report
Alaska and Arctic Regions
Command and Control (A2RC2)
Limited Objective Experiment**

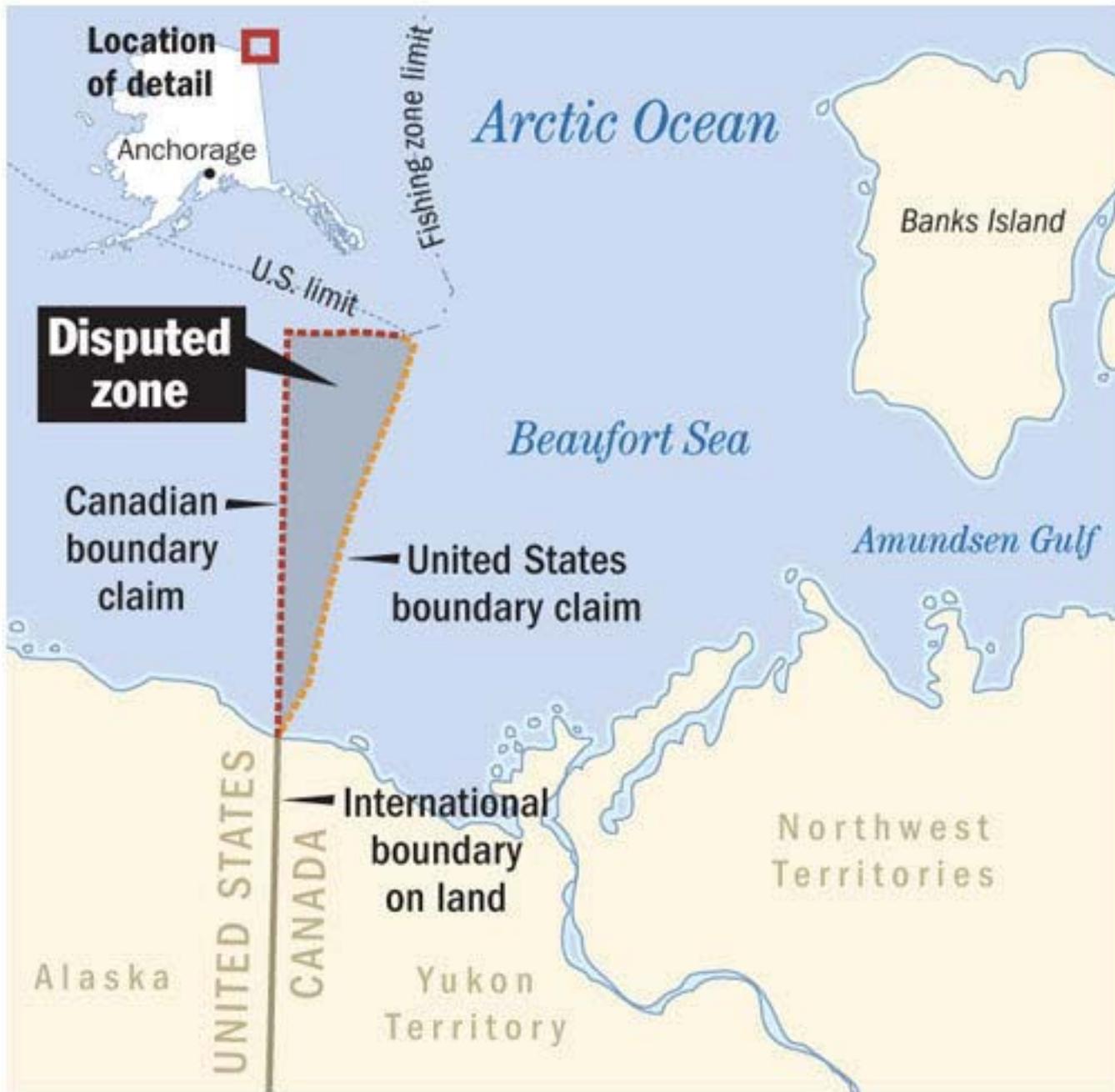
**NORAD and USNORTHCOM
Plans, Policy and Strategy Directorate
Maritime Division**



Lead Analysts:
Mr. Kevin Cuddy, N-NC/284
Mr. Kevin Bouslog, N-NC/284
Contributing Author:
Mr. William Brantel, CTR, N-NC/284
Approved by: Col Peter Vander Bosch, N-NC/184
15 Oct 09

Results: Analysis suggests that additional, clearer, senior level guidance is needed; Unified Command Plan boundaries should be redrawn; and a single responsible Commander for the Arctic region should be assigned to represent DOD equities.

US



Canada

US – Russia Maritime Boundary

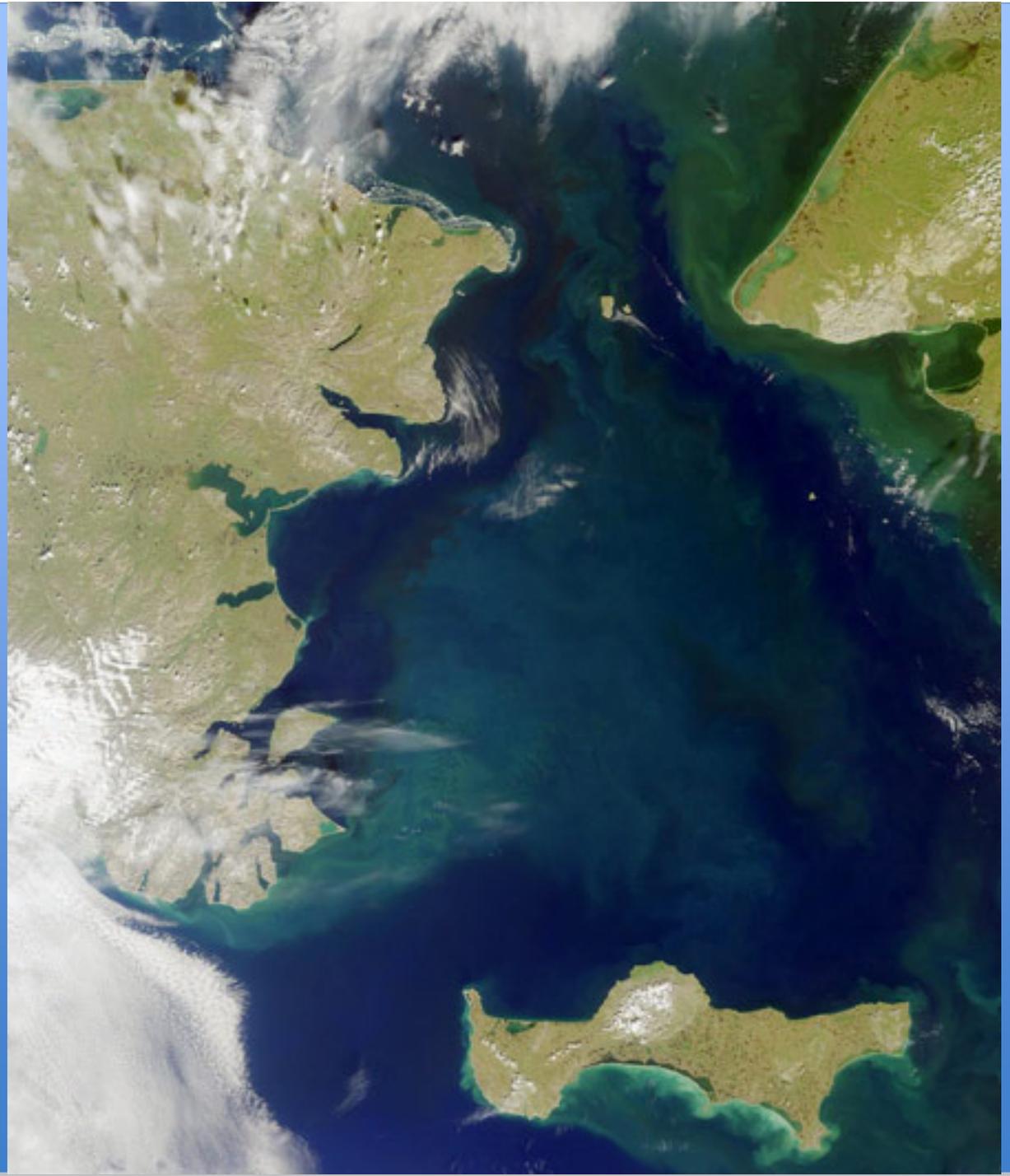
- 1990 treaty, Senate gave its advice and consent in 1992
- Provisionally applied by Russia, not yet ratified by the Duma
- Russian Arctic shelf claim comports with treaty





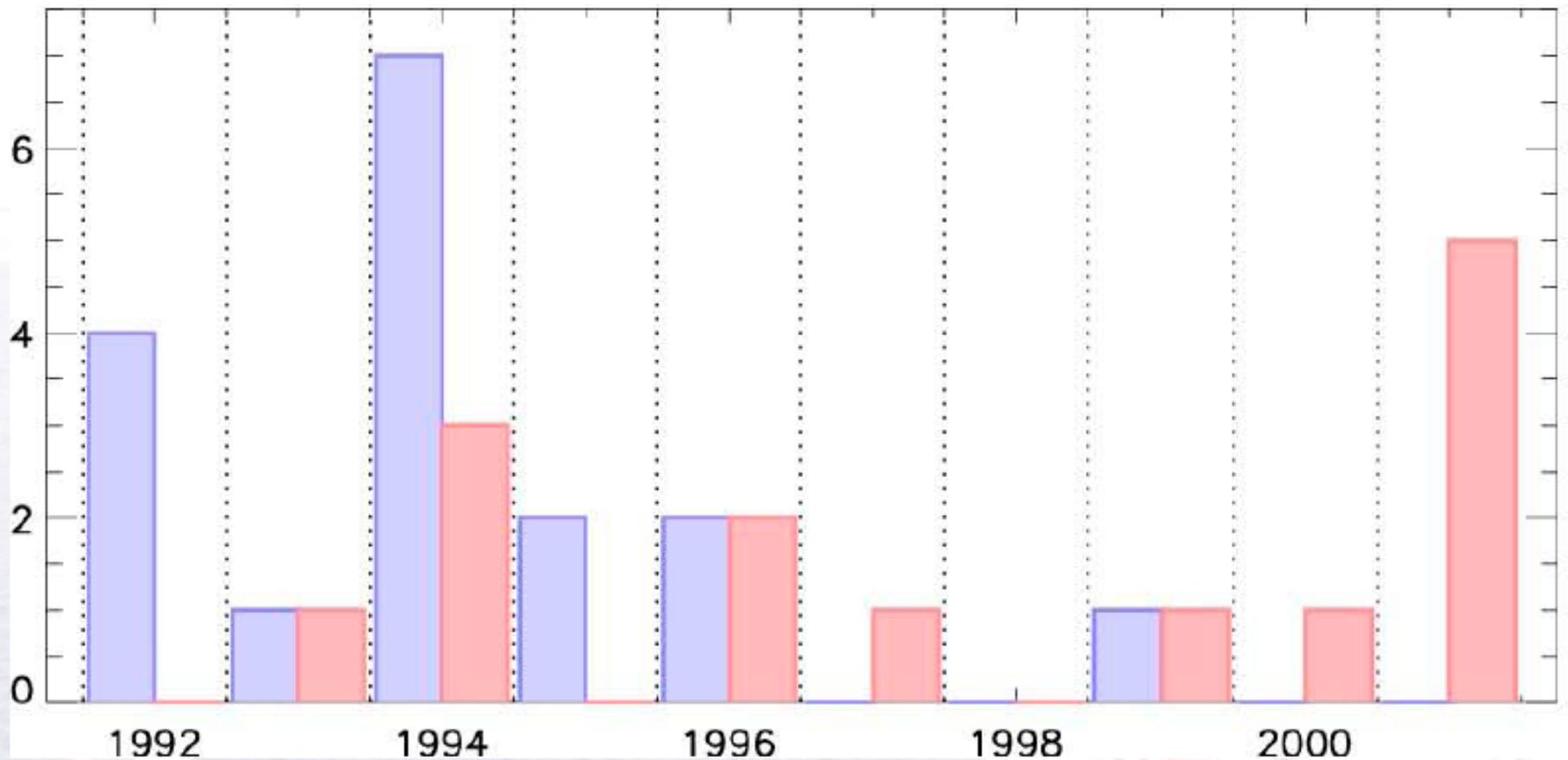
“Bering Gate”

53 miles wide
30-49 m deep



Russian access denied ~60% of time

Number of approved (blue) and denied (red) applications in 1992-2001





China

“The Arctic belongs to all the people around the world as no nation has sovereignty over it.”

Rear Admiral Yin Zhuo

March 5, 2010



Xuelong (Snow Dragon)
Another in 2014
4 Arctic expeditions



A CHALLENGE TO LIVE AND LOVE BOLDLY!

NORTHWEST PASSAGE

in **TECHNICOLOR**

BOOK 1
ROGERS'
RANGERS

STARRING *Spencer*
TRACY

with
**ROBERT
YOUNG**

Walter **BRENNAN**
Ruth **HUSSEY**
Nat **PENDLETON**

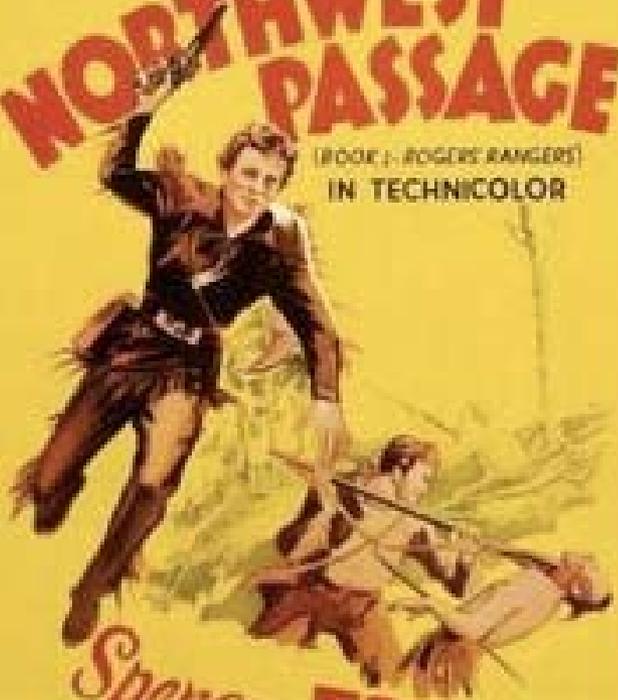
Produced by **HUNT STROMBERG**
Directed by **KING VIDOR**

A *Metro Goldwyn-Mayer* PICTURE

MGM presents

NORTHWEST PASSAGE

(BOOK 1 - ROGERS' RANGERS)
IN **TECHNICOLOR**



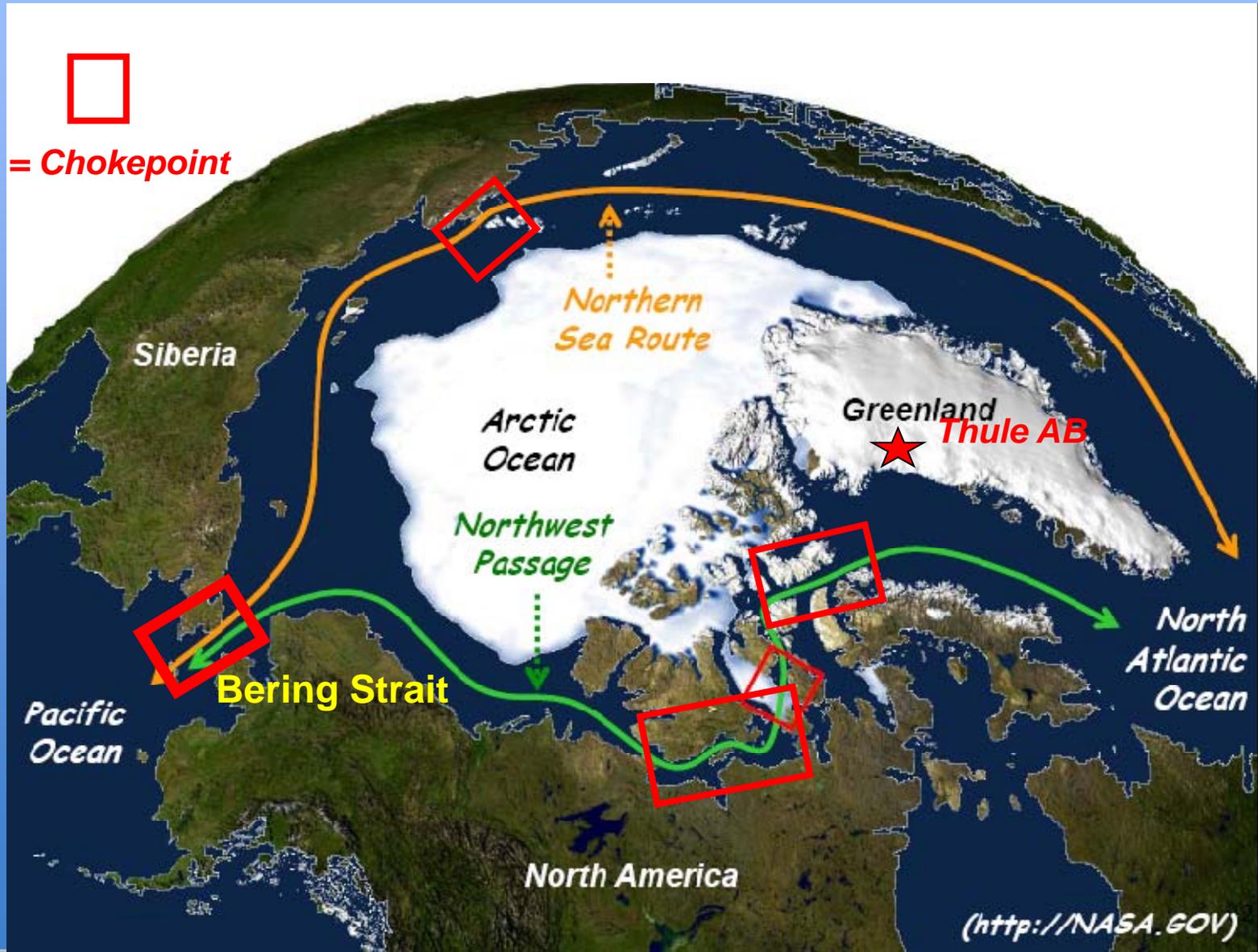
Spencer **TRACY**

with
ROBERT YOUNG
with
BRENNAN HUSSEY PENDLETON

NOT
SUITABLE FOR
CHILDREN

Produced by **HUNT STROMBERG**
Directed by **KING VIDOR**

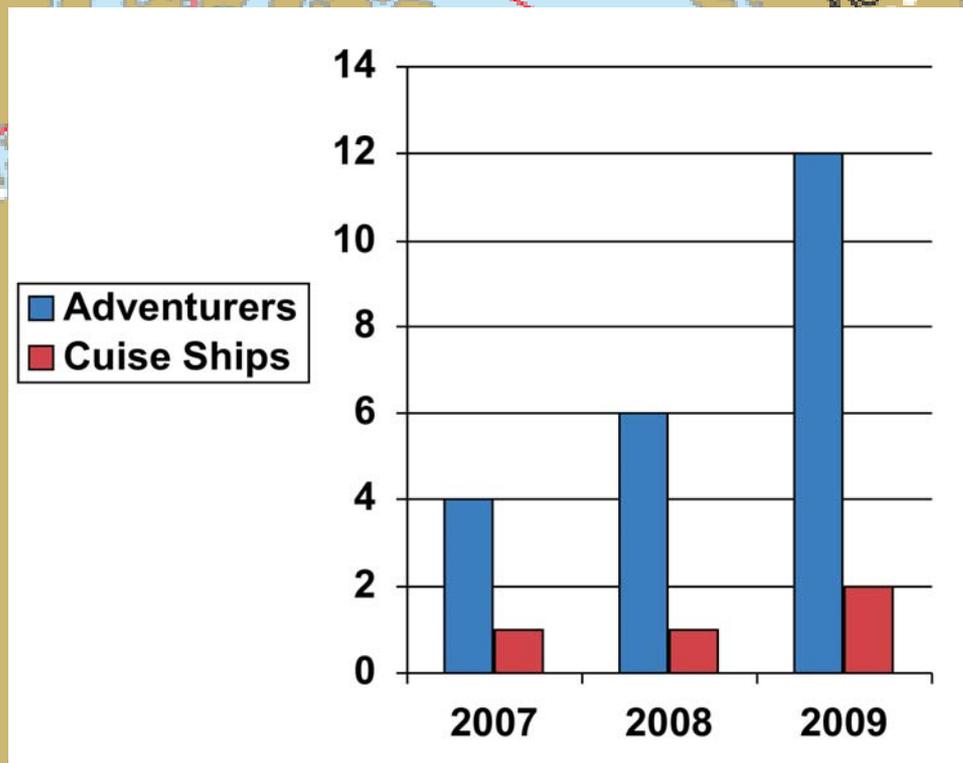
Potential Arctic Shipping Routes



Adventurers and Cruise Ships Crossing the Alaskan Arctic through NWP



Fleur Australe



Two German merchant ships conquer famed Arctic passage

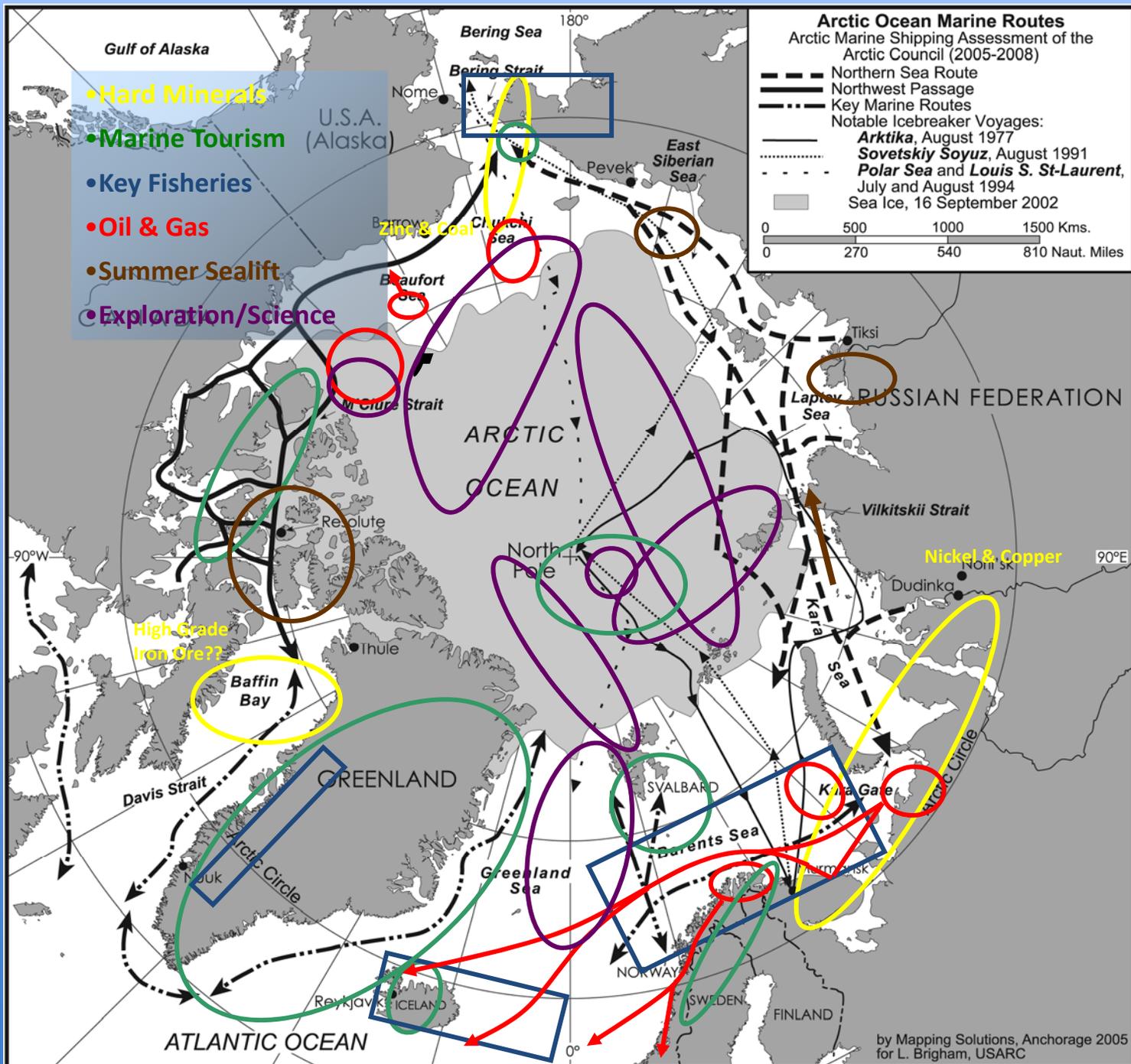
AP Associated Press

Climate change is blamed for opening of path

August 2009



The MV Beluga Fraternity and MV Beluga Foresight traveled through the Northeast Passage without incident. The ships began their journey from South Korea in late July. (Beluga Shipping via Associated Press)

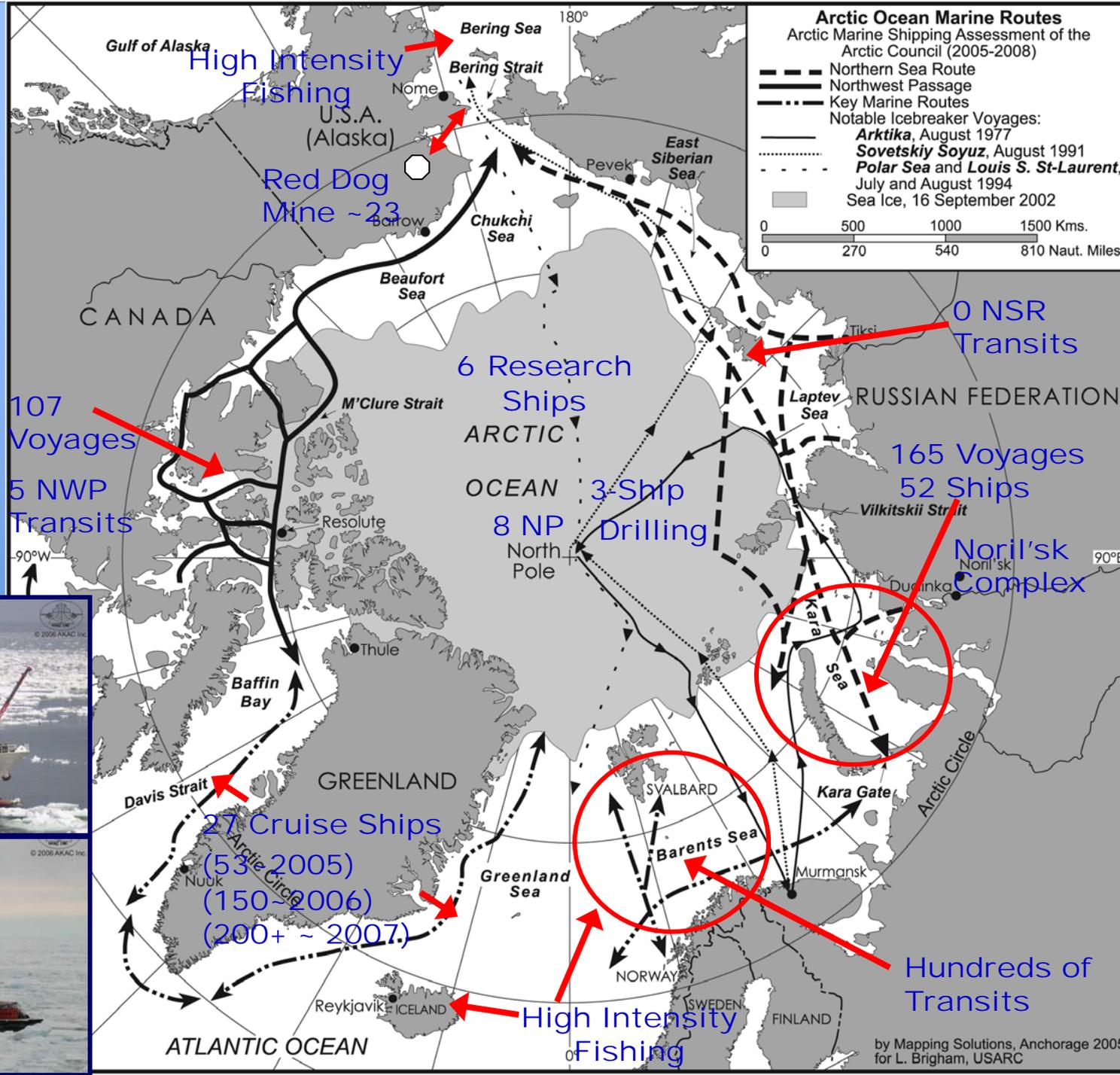


The Maritime Arctic of Today

Snapshot of Summer 2004 Traffic:
~ 5475 Ships

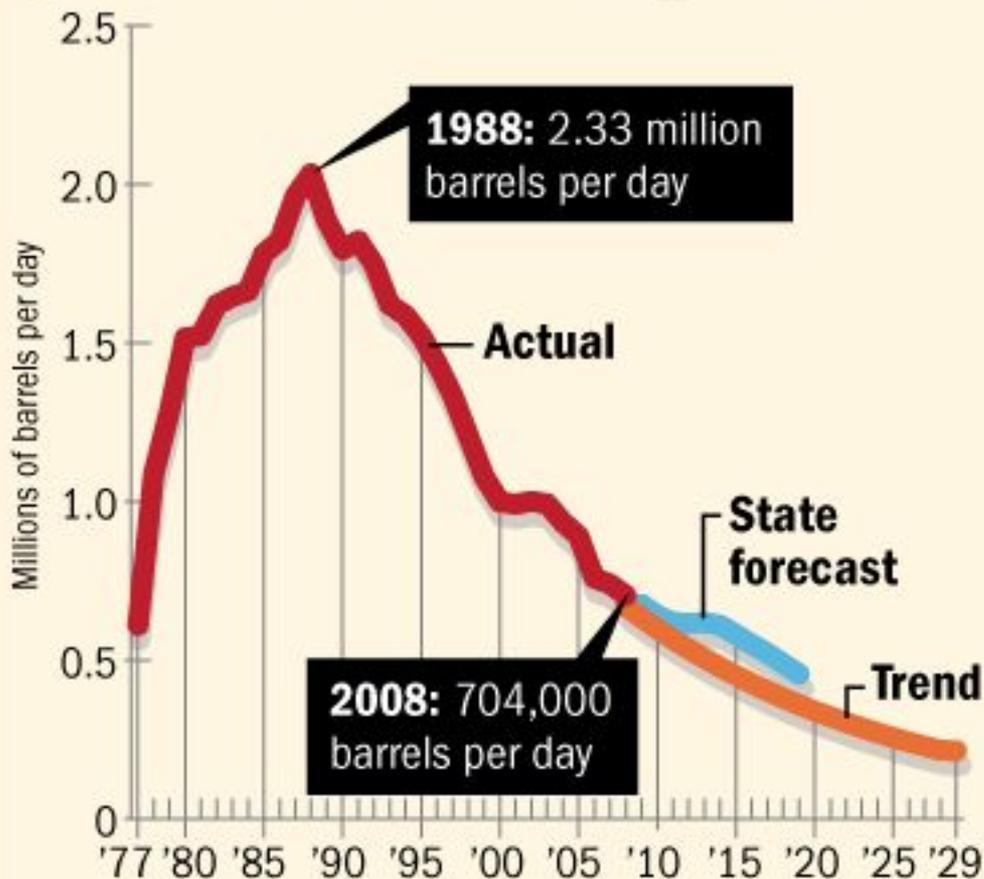
Modes of Arctic Marine Transport

- Destinational & Regional
- Trans-Arctic
- Trans-Arctic with Transshipment
- Intra-Arctic



Declining oil production could damage pipeline

As less North Slope oil moves through the trans-Alaska pipeline, the oil flow-rate slows and the oil temperature gets colder. This could lead to damage to the line.



Source: Alyeska Pipeline Service Co.

RON ENGSTROM / Anchorage Daily News



What should we do?

- * Accede to UNCLOS (we wrote it...)
- * Settle national boundary disputes
- * Establish an effective forum to discuss and adjudicate 'hard' security issues in the Arctic
- * Educate the public about the Arctic & climate change
- * Increase USN/USCG/USAF ops/presence in the Arctic

Scientific enterprise promotes cooperation & resiliency



A close-up photograph of a reindeer's face, showing its eye, ear, and thick fur. The reindeer is holding a piece of dry, yellowish-brown grass in its mouth. The grass strands are long and thin, some of which are curled into loops. Overlaid on the right side of the image is the text "Thanks... jfarrell@arctic.gov" in a bright yellow, sans-serif font. The background is a solid blue color.

Thanks...
jfarrell@arctic.gov