

# Arctic Icebreaker Coordination Committee

## 14-15 January 2014



**LCDR Michael Krause**  
**Chief, Mobility and Ice Operations Division**  
**U.S. Coast Guard**



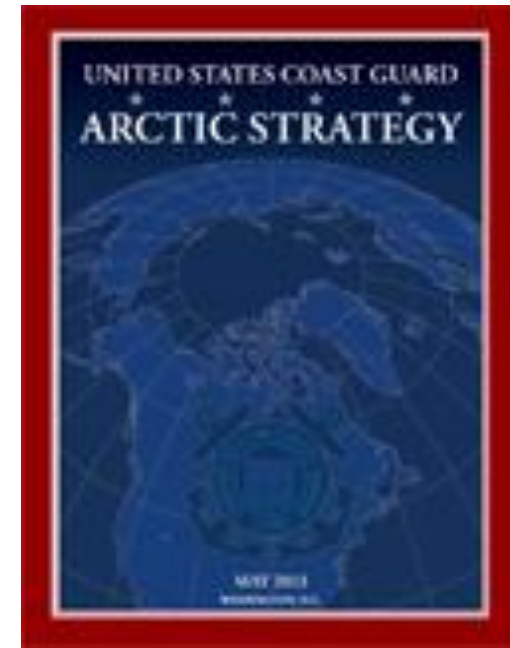
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# National Strategy and Coast Guard Strategy

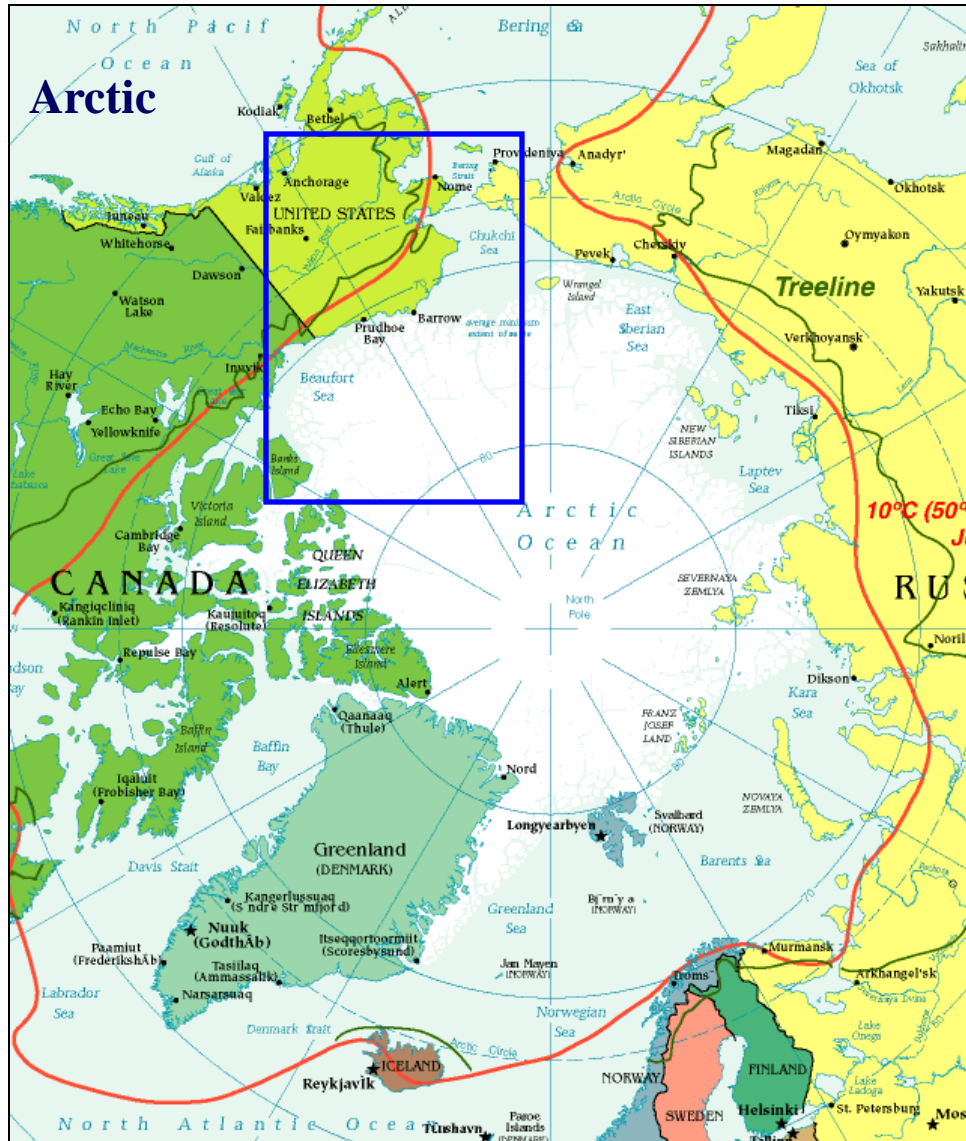
- Operational realities & geo-strategic trends driving strategic thought and deliberation
- 2009 President Bush signed U.S. Arctic Policy, NSPD 66
- 2012 NSS developed *National Strategy for the Arctic Region*.
  - Advance U.S. Security Interest,
  - Pursue Responsible Arctic Region Stewardship,
  - Strengthen International Cooperation.
- 2013 CG's strategy provides increased specifics.
  - Improving Awareness
  - Modernizing Governance
  - Broadening Partnerships



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# Polar Icebreaker Operating Areas



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Antarctica

# High Latitude Missions

- The Coast Guard has 9 general missions in the High Latitudes:
  - Search and Rescue
  - Marine Safety
  - Aids to Navigation
  - Ice Operations (includes interagency and science support)
  - Marine Environmental Protection
  - Living Marine Resources
  - Other Law Enforcement (protect EEZ)
  - Ports, Waterways and Coastal Security
  - Defense Readiness

Polar Icebreakers support *all* of these missions!



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# USCGC HEALY

## Principal U.S. Arctic operations platform

- 2013 Arctic deployment
  - Arctic Shield 2013 - USCG/NOAA Small UAV testing /oil detection
  - NSF Science Support
- 2014 Arctic schedule in development
  - Under-Ice Algae Bloom
  - CG Arctic Shield operations
  - North Slope Mooring Mission



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# USCGC POLAR STAR

- Service Life Extension 7-10 years complete
  - 2010-2013; \$65M
- Successful summer ice training and Arctic Shield operations.
- Currently in Antarctic for Operation Deep Freeze (ODF)
  - ODF is the annual sealift re-supply (cargo, fuel) for McMurdo Station



# USCGC POLAR SEA

- Business Case Analysis submitted to Congress
  - costs of reactivating
  - 7-10 year operational costs
- Decisions on further action under consideration



# New (USCG/National) Polar Icebreaker

- Developing interagency icebreaker operational requirements that will serve US Government missions in the Polar regions
  - High Latitude Study July 2010
  - Mission Analysis Requirements (MAR) Jan 2012
  - Mission Needs Study (MNS) June 2013
  - Concept of Operations (CONOPS) Sept 2013
  - Preliminary Operational Requirements Document (PORD) May 2014
  - Operational Requirements Document (ORD): March 2015
  - Further milestones to be determined
- Participation from
  - State Dept, NSF, DOD, DOT, Navy, others



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