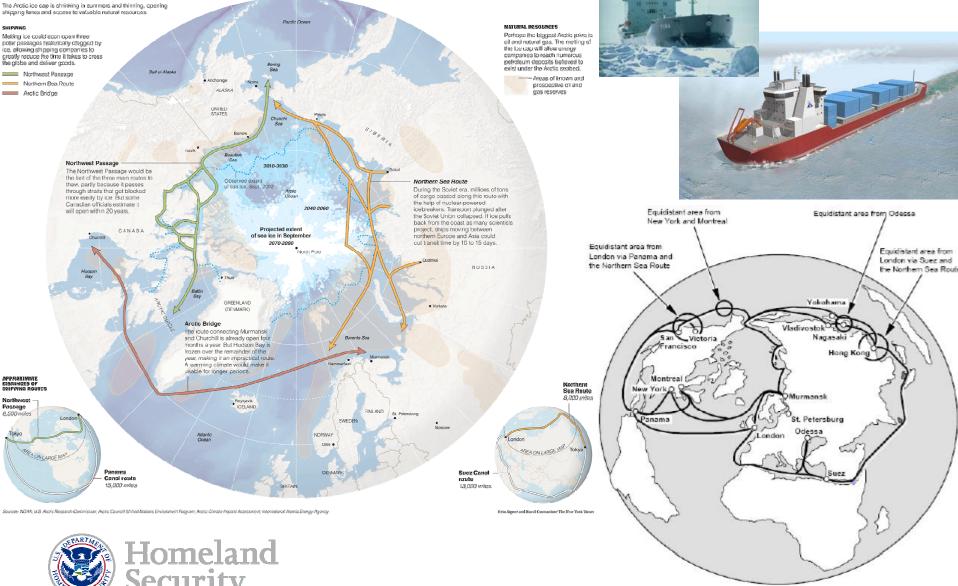
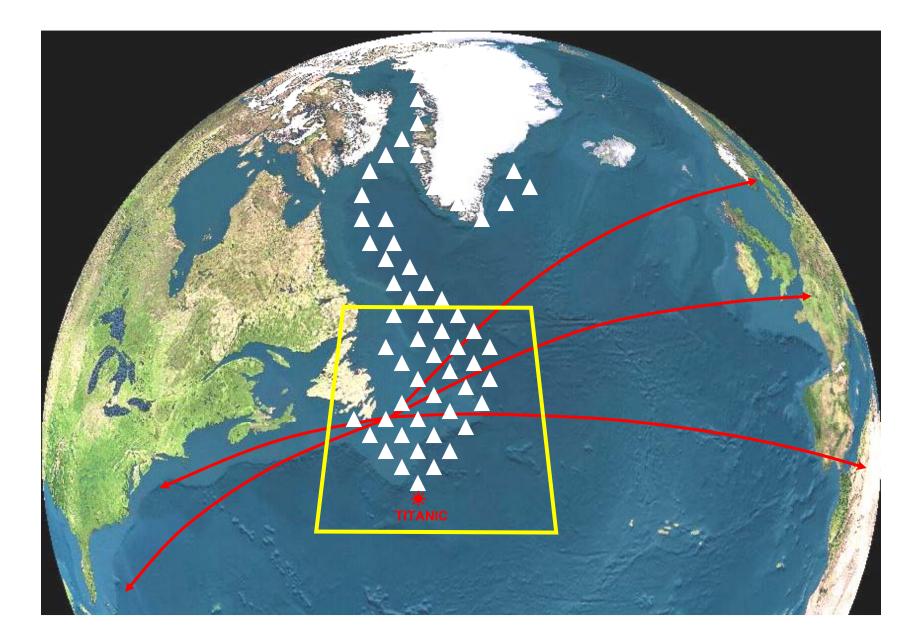
### Changing Maritime Shipping Patterns: focus on Arctic





### **International Ice Patrol – NW Atlantic shipping safety**



## Future U.S. Arctic Mission Needs

Energy Security:

• 25% of energy reserves (oil, gas, gas hydrates) estimated to be in the Arctic region.

#### U.S. Sovereignty (Security):

- Arctic primarily a maritime domain.
- Maritime presence to reinforce U.S. jurisdictional claims

Defense & Homeland Security Readiness (Security):

- Emerging nuclear threats (DEW, Ballistic Missile Defense program support)
- Other nations: European Union, China, Russia, Japan, and Canada.
- Maritime Domain Awareness (1,300 nm of U.S. coast line north of Arctic circle)
- Thule AB resupply
- Protect people & infrastructure
- Enforce Laws & Treaties (fisheries, border security etc)

#### Global Mobility (Safety, Security

Increased shipping in Arctic – global economy

#### Safeguarding our oceans & resources (Safety & Stewardship):

- Maritime Prevention & Response (Environment, Commercial vessel safety)
- Search & Rescue (more shipping, more people)

Polar research support – demand continue to increase (Stewardship)

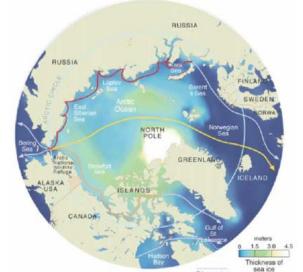


#### **ARCTIC OIL BONANZA**

Twenty-five percent of the world's reserves could lie buried under these areas.



Assessed Arctic Provinces I. North Slope 2.East Siberia 3. West Siberia 4.Timan-Pechora 5.South/North Barents 6.Vestford Helgeland 7. East Greenland



# Why the USCG in the Arctic?

- U.S. is an Arctic Nation
- Arctic is primarily a maritime domain needs a maritime national surface presence.
  - USCG ice capable vessels, including polar icebreakers, aircraft?, shore infrastructure.
- USCG has broad responsibilities many are projected to increase in the Arctic
- USCG can enforce all aspects of U.S. sovereignty
  - Enforce laws & treaties
  - National security
  - Homeland security/defense (energy security, critical infrastructure)
  - Safeguard our oceans (environment, fisheries etc)
  - Global mobility
- Multi-mission nature:
  - Support polar research
  - Search & Rescue
- National Research Council report



# Questions



