







Coordinating Coastal & Ocean Monitoring August 10, 2010 Anchorage, Alaska



Scope of Initiative



Identify potential

Traffic on future Northern Sea Route
 Harbors/places of refuge
 Locations for staging emergency response equipment/materials

•Develop a framework for integrating harbors into a statewide network for improvement and maintenance

•Evaluate economic potential for shipping and rail cargo link through the Port of Anchorage

Recommend policy and guidance changes



Northern Sea Route



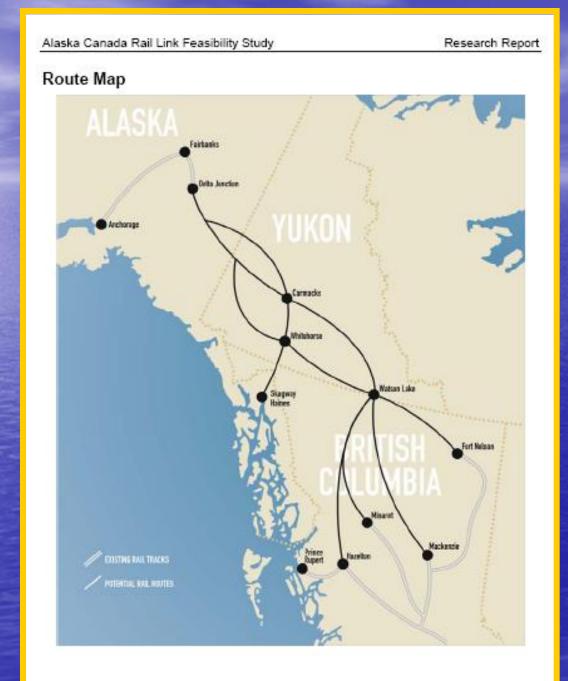






















Shipping Routes



Great Circle Shipping Route
Northern Sea Route
Anchorage Rail Link



HARBORS OF REFUGE

Harbors of Refuge

- Increases in freighter, container and tanker traffic along Aleutian Islands means higher risk of incidence.
- Potential for opening Northern Sea Route requires need for new ports.
- Greater interest for cruise ships in Bering and Chukchi Seas.





Potential Corps Role

- Navigation is a high-priority mission for the Corps.
- Existing studies and authorities to examine issues.
- Extensive Alaska navigation expertise.



Existing Harbors Potential Staging/Response Sites







References



1. Northern Sea Route and Icebreaking Technology, US Army Corps of Engineers Cold Regions Research & Engineering Laboratory, June 1994

- 2. Northern Sea Route Reconnaissance Report, US Army Corps of Engineers Alaska District, June 1995
- 3. INSROP-International Northern Sea Route Programme, June
 - 1993 March 1999, <u>http://www.fni.no/insrop/</u>
- 4. Alaska Canada Rail Link,

http://www.alaskacanadarail.org/index.html

5. Canadian Rail <u>http://www.cn.ca/specialized/ports_docks/map/en_KFPortsMap</u> <u>.shtml</u>

6. Southwest Alaska Municipal Conference <u>http://swamc.org/index.php?option=com_content&task=category§</u> <u>ionid=8&id=91&Itemid=43</u>

7. Alaska Statewide and Area Transportion Plan http://www.dot.state.ak.us/stwdplng/areaplans/