Point Thomson Project - Marine Safety and Conflict Avoidance

Arctic Waterways Safety Commission

December 10, 2015
Coastal barging… and subsistence hunting.
Aspect #2: Increasing Arctic marine traffic

11 AEWC Whaling Communities

Where are the ships?
Arctic Maritime Activity in 2013
Process Module Transport

Loading Injection Compressor Module in Korea

Towing Module near Dutch Harbor

4,000-mile journey to Point Thomson

Module Arriving at Central Pad
Overview of Communication Technology

**VHF Radios**
- Lack of Repeating Antennas
- Limited by hardware on boats
- Only useful for ship-ship Coms
- “Line of sight” only

**Satellite Phones**
- Can be used worldwide
- Limited battery life
- Voice use only
- Dropped calls and lack of coverage is common

**Delormes**
- Send text and email messages worldwide to computers, phones and other units
- Trigger an SOS for immediate help
- Long battery life
- No voice communication
- Multiple users can be tracked via private website

**AIS**
- Vessels can be tracked via MXAK website
- 10 AIS receivers in the Arctic
- Small unit size and long battery life
- Can be turned on and off easily
- Small vessel appear to other larger vessels
2015 Marine Exchange Program
Vessel Tracking Software - Interface
Quyanaqpak!