



The Standards of Care

Arctic Icebreaker Coordinating Committee (AICC), Seattle, January 2018

Martin Robards – Wildlife Conservation Society, Fairbanks, Alaska



Photo: Peak 3/AEWC

Governance at the National and International Levels



Local Governance Examples

1. Open Water Season Conflict Avoidance Agreement
2. Arctic Waterways Safety Plan



Marine Mammal
Hunters bringing
Traditional Ecological
Knowledge and the
Native Voice to Arctic
Governance

Key Mitigation Measures of the Open Water Season Conflict Avoidance Agreement

I. Communication Centers

Kaktovik

Deadhorse

Barrow

Wainwright

Pt Lay

Pt Hope

Wales

Kivalina

St. Lawrence Is.

Key Measures (cont)

2. Time-Area Closures: mitigate seismic and drilling interference at hunting times.

3. Vessel Movement Restrictions: mitigate risk to whales:

- less than 10 kts near feeding whales or aggregations,
- less than 5 kts within 900 feet of whales.

4. Discharge Limitations: mitigate pollution risks.



ARCTIC WATERWAYS SAFETY COMMITTEE

ARCTIC WATERWAYS SAFETY PLAN

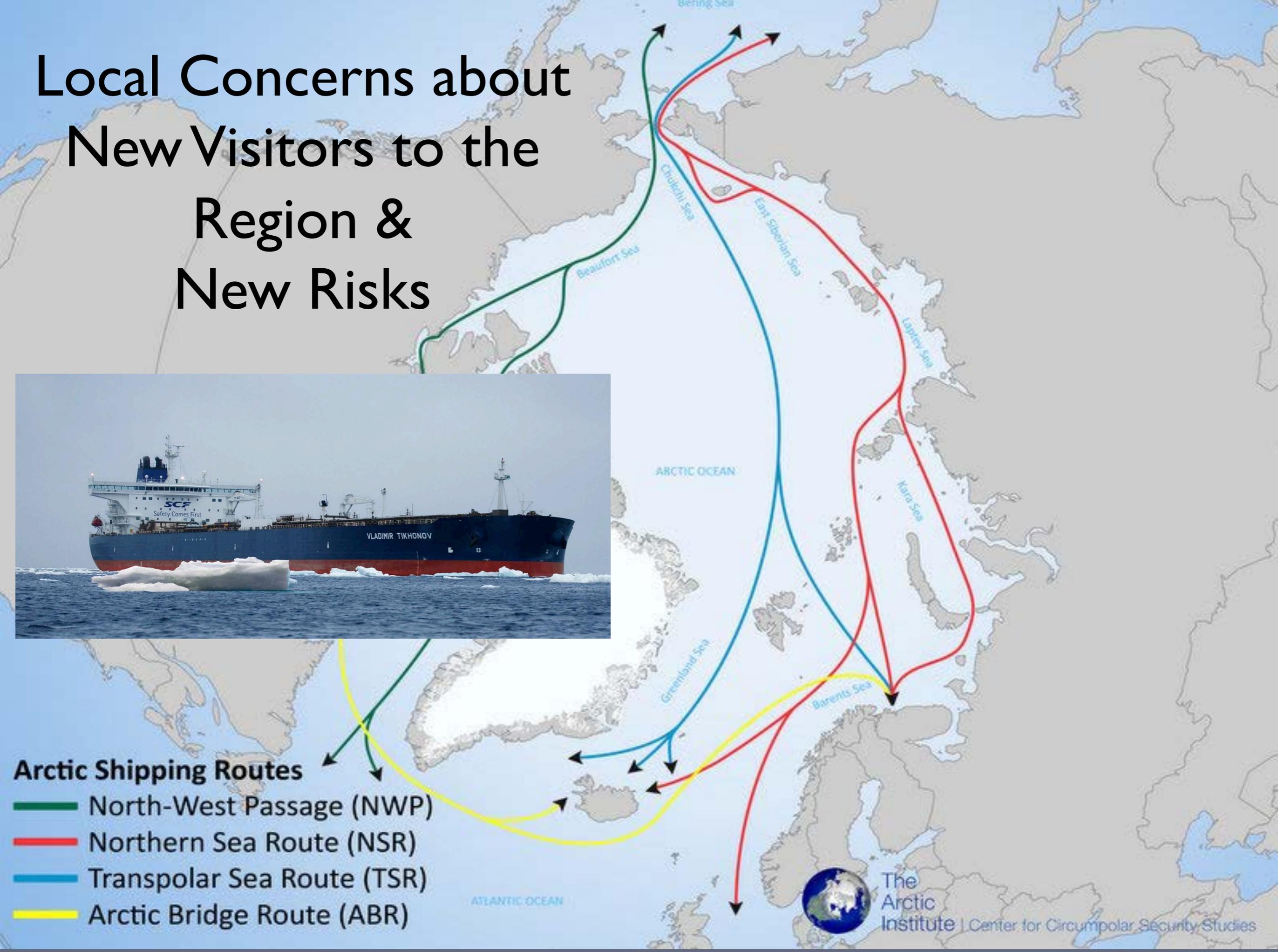


Published 2015



ARCTIC WATERWAYS
SAFETY COMMITTEE

Local Concerns about New Visitors to the Region & New Risks



- Arctic Shipping Routes**
- North-West Passage (NWP)
 - Northern Sea Route (NSR)
 - Transpolar Sea Route (TSR)
 - Arctic Bridge Route (ABR)





Harbor Safety Committee

Desk Reference

November 2006

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The U.S. Coast Guard Headquarters
Waterways Management Directorate

U.S. Department
of Transportation

United States
Coast Guard



Commandant
U.S. Coast Guard

2100 Second Street S.W.
Washington, DC 20593-0001
Staff Symbol: G-MWP-1
Phone: (202)267-6164

COMDTPUB P16700.4
NVIC 1-00

NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 1-00

Subj: GUIDANCE FOR THE ESTABLISHMENT AND DEVELOPMENT OF HARBOR SAFETY
COMMITTEES UNDER THE MARINE TRANSPORTATION SYSTEM (MTS)
INITIATIVE

History of AMMC and AWSC



- March 2012 Anchorage AMMC (*)
- August 2014 Anchorage AWSC
- November 2014 Juneau “
- February 2015 Juneau “
- June 2015 Anchorage “
- December 2015 Anchorage “
- March 2016 Juneau “
- December 2016 Anchorage “
- March 2017 Juneau “
- December 2017 Anchorage “

Arcticwaterways.org



ARCTIC WATERWAYS
SAFETY COMMITTEE

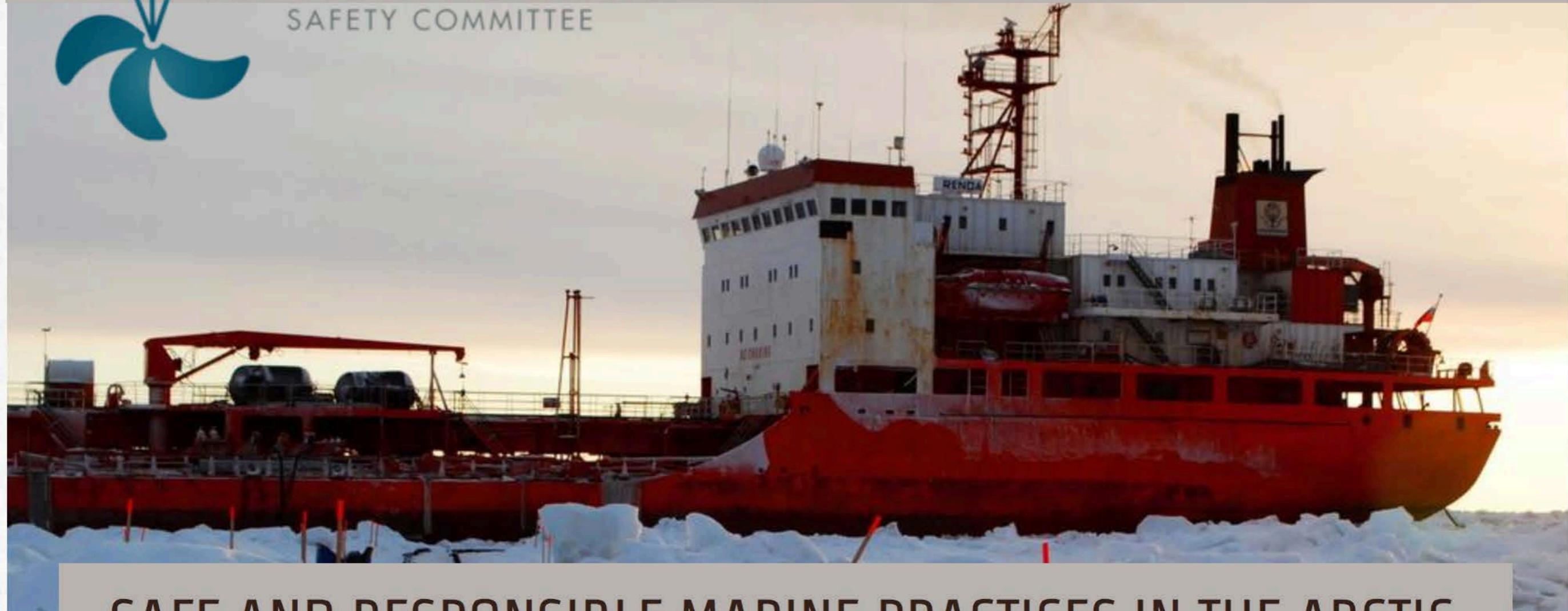
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SAFE AND RESPONSIBLE MARINE PRACTICES IN THE ARCTIC

The purpose of the Arctic Waterways Safety Committee is to bring together local marine interests in the Alaskan Arctic in a single forum, and to act collectively on behalf of those interests to develop best practices to ensure a safe, efficient, and predictable operating environment for all current and future users of the waterways.



Organizational Structure

Officers			
Willie Goodwin <i>Chairman</i>	James Boyer <i>Vice Chair</i>	Frederick Brower <i>Treasurer</i>	Vera Metcalf <i>Secretary</i>

Subsistence Hunters
Willie Goodwin <i>Alaska Beluga Whale Committee</i>
John Hopson, Jr. *George Noongwook <i>Alaska Eskimo Whaling Commission</i>
Billy Adams <i>Alaska Ice Seal Committee</i>
Charles Brower <i>[Nanuut TBD]</i>
Vera Metcalf *Charles Brower <i>Eskimo Walrus Commission</i>

Industry
Brien Reep, ExxonMobil *Wayne Hall, Red Dog Mine <i>Oil / Gas / Mining</i>
Greg Pavellas, Crowley <i>Tug & Barge</i>
Brenda Konar, UAF/CFOS <i>Research</i>
TBD <i>Fishing</i>
Mike Tibbles, CLIA Alaska <i>Tourism</i>

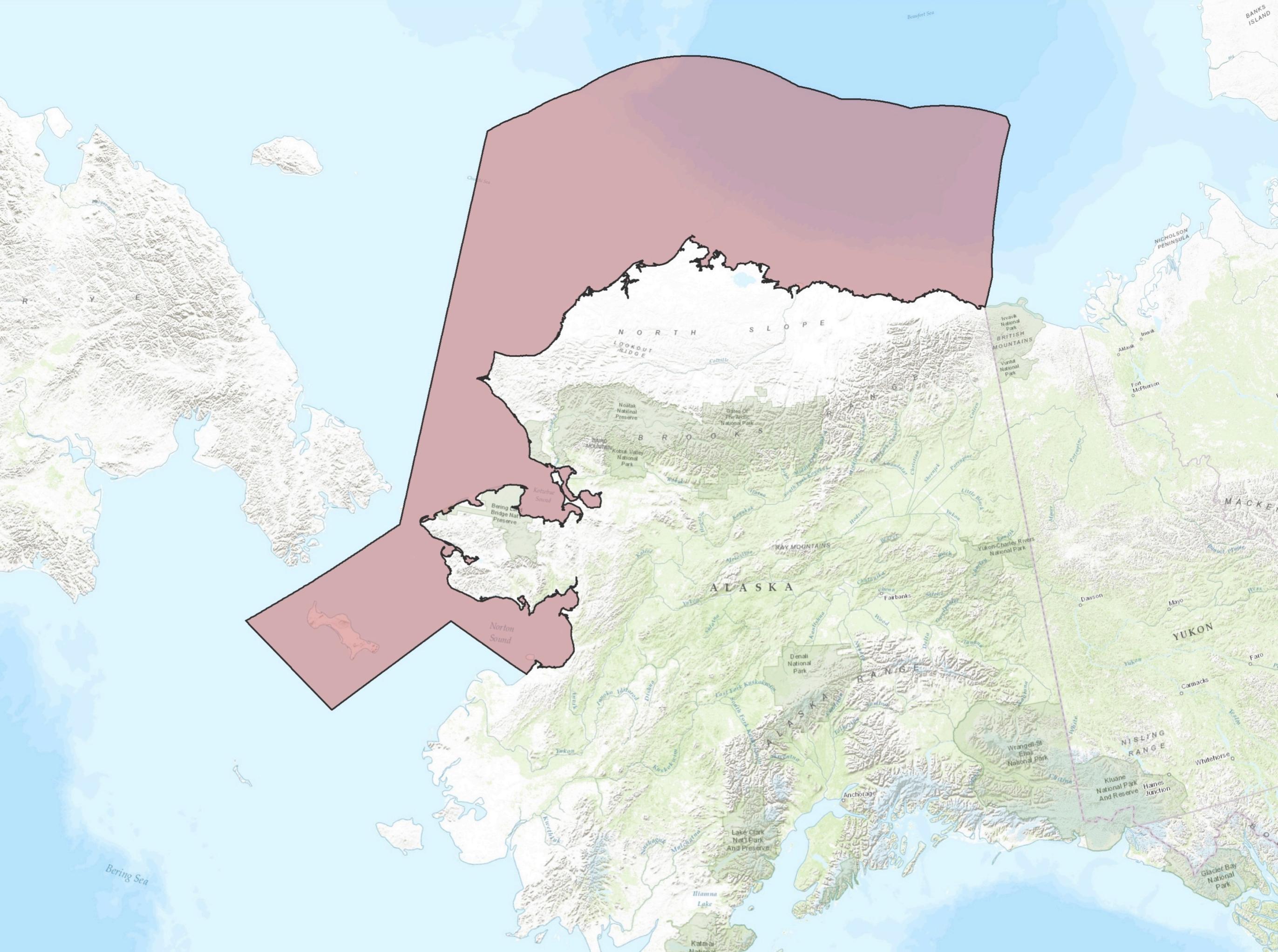
Other
Mayor Richard Beneville <i>City of Nome</i>
Patrick Savok <i>Northwest Arctic Borough</i>
Frederick Brower <i>North Slope Borough</i>
Mary David, Kawerak <i>Regional Tribal Organization</i>
James Boyer <i>Alaska Marine Pilots</i>

Support Staff	
Jenny Evans <i>Executive Secretary</i>	Katya Wassillie <i>Sub-Committee Coordinator</i>

Sub-Committees & Chairmanship
Subsistence: Billy Adams, Mary David Fundraising: Patrick Savok, Mary David, Frederick Brower Standards of Lightering & Barge Operations: Greg Pavellas SOC: Greg Pavellas, Patrick Savok, Frederick Brower Science: Dr. Martin Robards Infrastructure: Paul Fuhs & Jessica Lefevre

Ex-Officio Observers
Craig Fleener, <i>Governor's Office</i> ; David Pikul, <i>State of Alaska</i> ; Capt. Ed Page, <i>Marine Exchange of Alaska</i> ; CDR Justin Jacobs, <i>U.S. Coast Guard, Sector Anchorage</i> ; David Seris, <i>U.S. Coast Guard, District 17</i> ; Dr. Martin Robards, <i>Science/NGO</i> ; Jessica Lefevre, <i>Advisor on Legal & Federal Regulatory Issues</i> ; OSRO/Marine Salvage

* Alternates



NORTH SLOPE

LOOKOUT RIDGE

BROOKS

ALASKA

RAY MOUNTAINS

KUSKOWIM RANGE

YUKON

Norton Sound

Kotzebue Sound

Bering Bridge Nat Preserve

Denali National Park

Wrangell-St Elias National Park

Kluane National Park And Reserve

Lake Clark Nat Park And Preserve

Glacier Bay National Park

Ivvik National Park

BRITISH MOUNTAINS

Vuntut National Park

NICHOLSON PENINSULA

MACKENZIE

Dawson

Mayo

Carmacks

Whitehorse

Haines Junction

Anchorage

Farbanks

Fort McPherson

Ammank

Inuvik

Bering Sea

Beaufort Sea

Chukchi Sea

YUKON

BANKS ISLAND

Standards of Care (Guidance)

- Procedures and practices, beyond regulatory requirements, that experienced and prudent maritime professionals follow to ensure safe, secure, efficient and environmentally responsible maritime operations;
- ...are “good marine practices” that are developed and published to provide a guide for maritime professionals to consider and incorporate into their decision making process;
- Mariners should be mindful that if they are involved in a maritime incident when not following relevant “Standards of Care” they could be subject to legal action based on a rebuttable presumption of negligence.

Key Components of the Research Vessel SOC

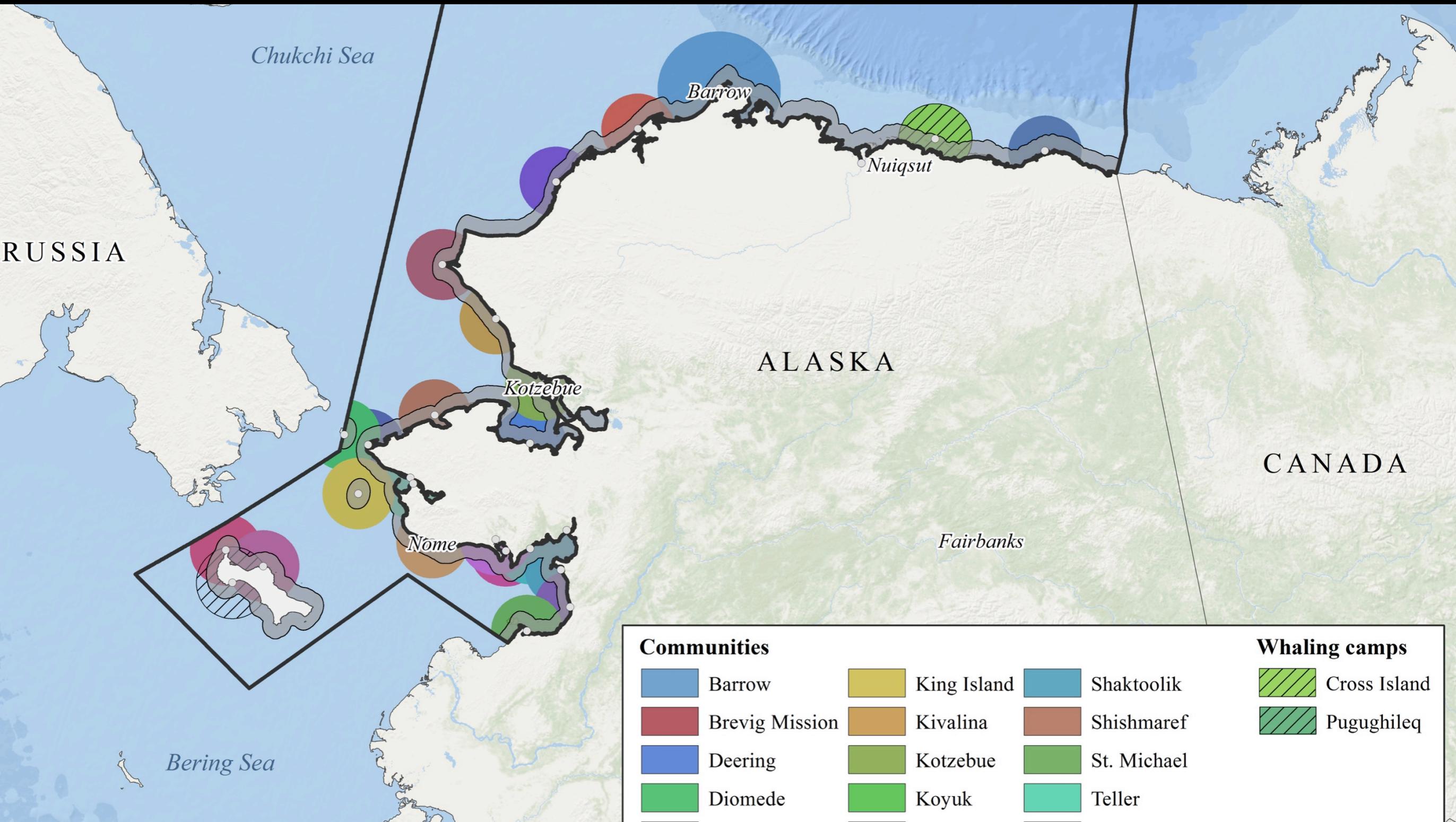
SECTION II – COMMUNICATION AND CONFLICT RESOLUTION PROCEDURES

RESEARCH COMMUNITY AWARENESS AND NOTIFICATION

COMMUNICATION TRIGGERS AND PROCESSES

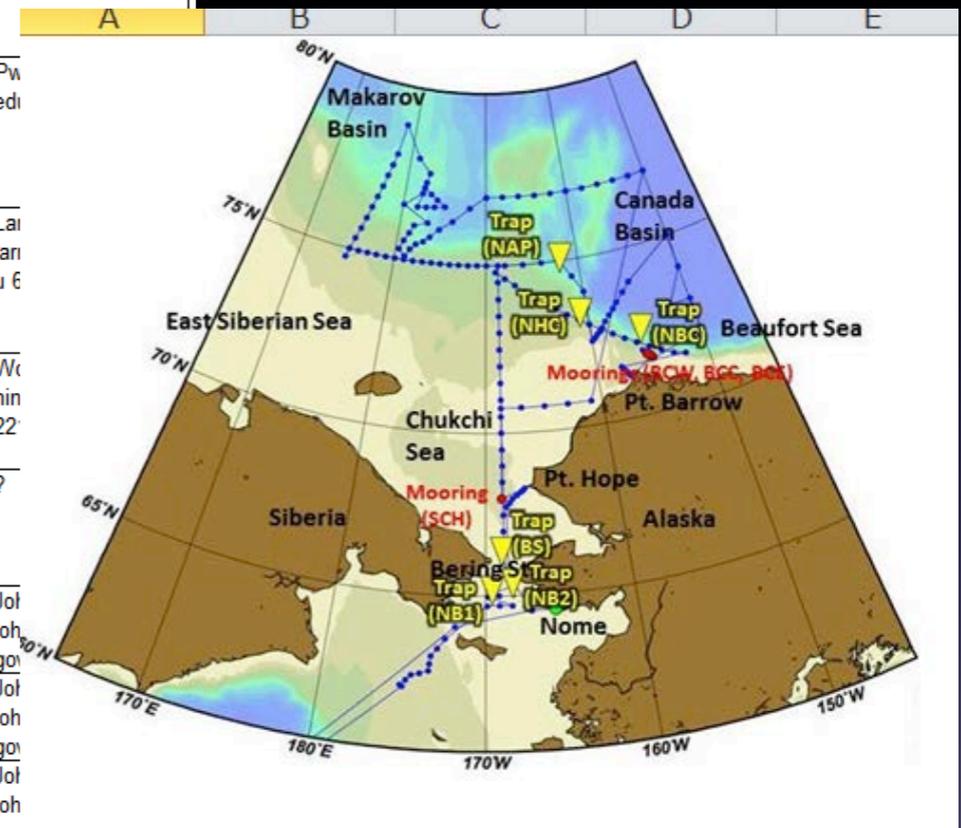
- Communication Triggers
- Pre-Season Communication Process
- In-Season Subsistence Communication and Mitigation Process
- Post-Season Discussion of Research and any Conflicts

Communication Triggers



Positive Communication Mechanisms

	A	B	C	D	E	F	G	H	I	J	K
1	Table 1										
2	Vessel	N - Bstrait - ☉ = demarcation line	S - Bstrait - ☉ = demarcation line	Dist fr Shore Chukchi	Planned Arrival Barrow	Heading fr Barrow/Dates	Dist fr Shore Beaufort	Planned Arrive Eastern Beaufort	Approximate Location for Research	Vessel Operator Contact	Research Contact
3	USCG Healy	7-Jul	4-Aug	> 40 nm	None	None	> 40 nm	None	Chukchi/Beaufort	David.Forucci@uscg.mil, 206 217 6648	RRHopcroft@alaska.edu, 907-474-7842
4	USCG Healy	21-Aug	15-Sep	> 40 nm	None	None	> 40 nm	None	Chukchi/Beaufort	David.Forucci@uscg.mil, 206 217 6648	Pw ed
5	USCG Healy	19-Sep	6-Oct	> 40 nm	None	None	> 40 nm	None	Beaufort Sea	David.Forucci@uscg.mil, 206 217 6648	Lar lan u 6
6	Norseman II	8-Jul	14-Jul ?		None	None	?	None	Bering Strait	Sheyna.Wisdom@fairweather.com, 907-267-4611	Wc hin 22
7	Norseman II	17-Jul	14-Sep ?		None	None	?	31-Jul		Sheyna.Wisdom@fairweather.com, 907-267-4611	?
8	NOAA Oscar Dyson	None	None	None	None	None	None	None	Aleutians and Bering Sea fisheries	Chiefops.mop@noaa.gov, 541 867 8703	Jol joh gov
9	NOAA Ranier	None	None	None	None	None	None	None	Aleutians and Bering Sea fisheries	Chiefops.mop@noaa.gov, 541 867 8703	Jol joh gov
10	NOAA Fairweather	None	None	None	None	None	None	None	Aleutians and Bering Sea fisheries	Chiefops.mop@noaa.gov, 541 867 8703	Jol joh gov
11	Sikuliaq	2-Sep	28-Sep	>30 nm	15-Sep	15-Sep	Small Boat Personnell Transfer Only	None	Chukchi/Beaufort	MStein10@alaska.edu, 907-224-4305	ljuranek@coas.oregonstate.edu, (541) 737-2368
12	Sikuliaq	14-Oct	5-Nov	> 40 nm	None	None	None	None		MStein10@alaska.edu, 907-224-4305	badiey@udel.edu, (302) 831-3687
13	CCG St. Laurent	9/15/2016 ☉	10/15/2016 ☉	NA	None	None	>40	None	Beaufort Sea	?	Bill.Williams@dfo-mpo.gc.ca, 250-363-6343
	CCG Laurier	12-Jul	7/24/2016 ☉		21-Jul	?	40 nm	23-Jul	Victoria - Barrow	Alan.Mohr@dfo-mpo.gc.ca	Jane.Eert@dfo-mpo.gc.ca, 250-363-



Moving Forward

- Avoiding repetition in multiple venues for everyone (AWSC to be an initial sort);
- Deepening the value of the AWSC to a broader suite of stakeholders;
- Communication infrastructure.

Questions?

