The Standards of Care

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

Martin Robards – Wildlife Conservation Society, Fairbanks, Alaska
Arctic Waterways Safety Plan

Fundamentally Different

Considerations

• Note Sea ice elsewhere

• Subsistence

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.
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)
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 “
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

<table>
<thead>
<tr>
<th>Officers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Willie Goodwin</td>
</tr>
<tr>
<td>Chairman</td>
</tr>
</tbody>
</table>

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

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

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

### 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, Governor’s Office; David Pikul, State of Alaska; Capt. Ed Page, Marine Exchange of Alaska; CDR Justin Jacobs, U.S. Coast Guard, Sector Anchorage; David Seris, U.S. Coast Guard, District 17; Dr. Martin Robards, Science/NGO; Jessica Lefevre, Advisor on Legal & Federal Regulatory Issues; OSRO/Marine Salvage

* Alternates
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

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<tr>
<th>SECTION II – COMMUNICATION AND CONFLICT RESOLUTION PROCEDURES</th>
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<td>RESEARCH COMMUNITY AWARENESS AND NOTIFICATION</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>COMMUNICATION TRIGGERS AND PROCESSES</th>
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<tbody>
<tr>
<td>• Communication Triggers</td>
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<tr>
<td>• Pre-Season Communication Process</td>
</tr>
<tr>
<td>• In-Season Subsistence Communication and Mitigation Process</td>
</tr>
<tr>
<td>• Post-Season Discussion of Research and any Conflicts</td>
</tr>
</tbody>
</table>
## Positive Communication Mechanisms

<table>
<thead>
<tr>
<th>Vessel</th>
<th>N-Brait - demarcation line</th>
<th>S-Brait - demarcation line</th>
<th>Dist fr Shore Chukchi</th>
<th>Planned Arrival Barrow</th>
<th>Heading fr Barrow/Dates</th>
<th>Dist fr Shore Beaufort</th>
<th>Planned Arrive Eastern Beaufort</th>
<th>Approximate Location for Research</th>
<th>Vessel Operator Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>USCG Healy</td>
<td>7-Jul</td>
<td>4-Aug</td>
<td>&gt; 40 nm</td>
<td>None</td>
<td>None</td>
<td>&gt; 40 nm</td>
<td>None</td>
<td>Beaufort</td>
<td><a href="mailto:David.Forcucci@uscg.mil">David.Forcucci@uscg.mil</a>, 206 217 6648</td>
</tr>
<tr>
<td>USCG Healy</td>
<td>21-Aug</td>
<td>15-Sep</td>
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<td>&gt; 40 nm</td>
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<td>Beaufort</td>
<td><a href="mailto:David.Forcucci@uscg.mil">David.Forcucci@uscg.mil</a>, 206 217 6648</td>
</tr>
<tr>
<td>USCG Healy</td>
<td>19-Sep</td>
<td>6-Oct</td>
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<td>&gt; 40 nm</td>
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<td><a href="mailto:David.Forcucci@uscg.mil">David.Forcucci@uscg.mil</a>, 206 217 6648</td>
</tr>
<tr>
<td>Nerseman II</td>
<td>8-Jul</td>
<td>14-Jul</td>
<td>?</td>
<td>None</td>
<td>None</td>
<td>?</td>
<td>None</td>
<td>Bering Strait</td>
<td><a href="mailto:Sherya.Windey@fwsalas.org">Sherya.Windey@fwsalas.org</a>, 907-267-4611</td>
</tr>
<tr>
<td>Nerseman II</td>
<td>17-Jul</td>
<td>14-Sep</td>
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<td>None</td>
<td>None</td>
<td>?</td>
<td>31-Jul</td>
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<td>NOAA Oscar</td>
<td>None</td>
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<td>None</td>
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<td>NOAA Rainer</td>
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<td>Nome</td>
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<td>NOAA Fairweather</td>
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<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>Nome</td>
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<tr>
<td>Sikulaq</td>
<td>2-Sep</td>
<td>28-Sep</td>
<td>&gt; 30 nm</td>
<td>15-Sep</td>
<td>15-Sep</td>
<td>Small Boat Personnel Only</td>
<td>None</td>
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<tr>
<td>Sikulaq</td>
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<td>None</td>
<td>None</td>
<td>None</td>
<td>Nome</td>
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<tr>
<td>CCG St. Laurent</td>
<td>9/15/2016</td>
<td>NA</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>&gt; 40</td>
<td>None</td>
<td>Beaufort</td>
<td><a href="mailto:Bill.Williams@dfo-mpo.gc.ca">Bill.Williams@dfo-mpo.gc.ca</a>, 360-831-3687</td>
</tr>
</tbody>
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### Map

- **Makarov Basin**
- **East Siberian Sea**
- **Canada Basin**
- **East Siberian Sea**
- **Pt. Hope**
- **Mooring ESOE**
- **Pt. Barrow**
- **Beaufort Sea**

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**Legend:**
- **Green:** Countries
- **Blue:** Vessels
- **Yellow:** Mooring locations
- **Brown:** Coastlines
- **Orange:** Depth contours
- **Red:** Distance
- **Blue:** Depth

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**Map Credits:**
- Data from the Oceanographic Research Institute, Alaska Department of Fish and Game.
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?