



Low Impact Shipping Corridors

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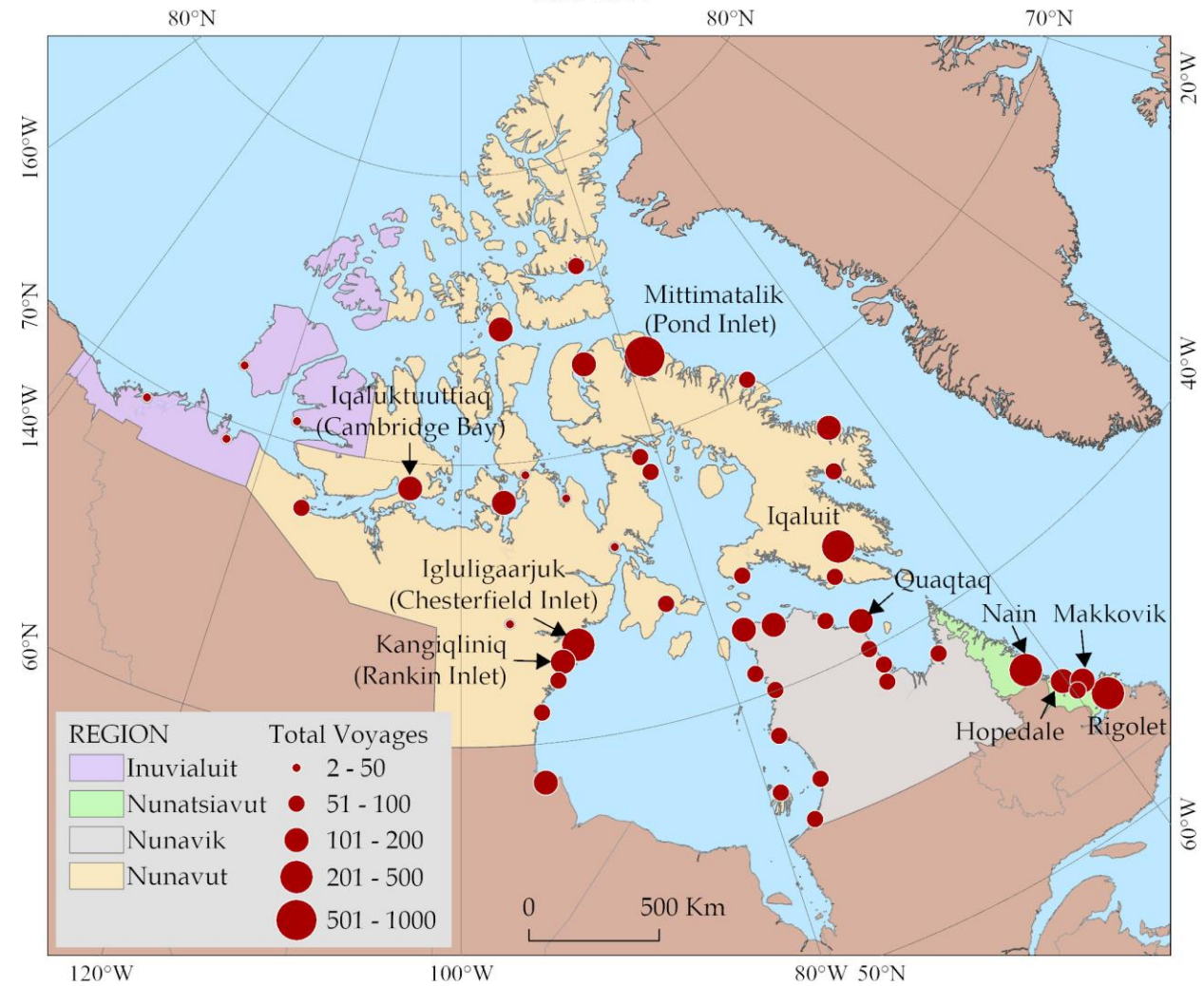


Outline

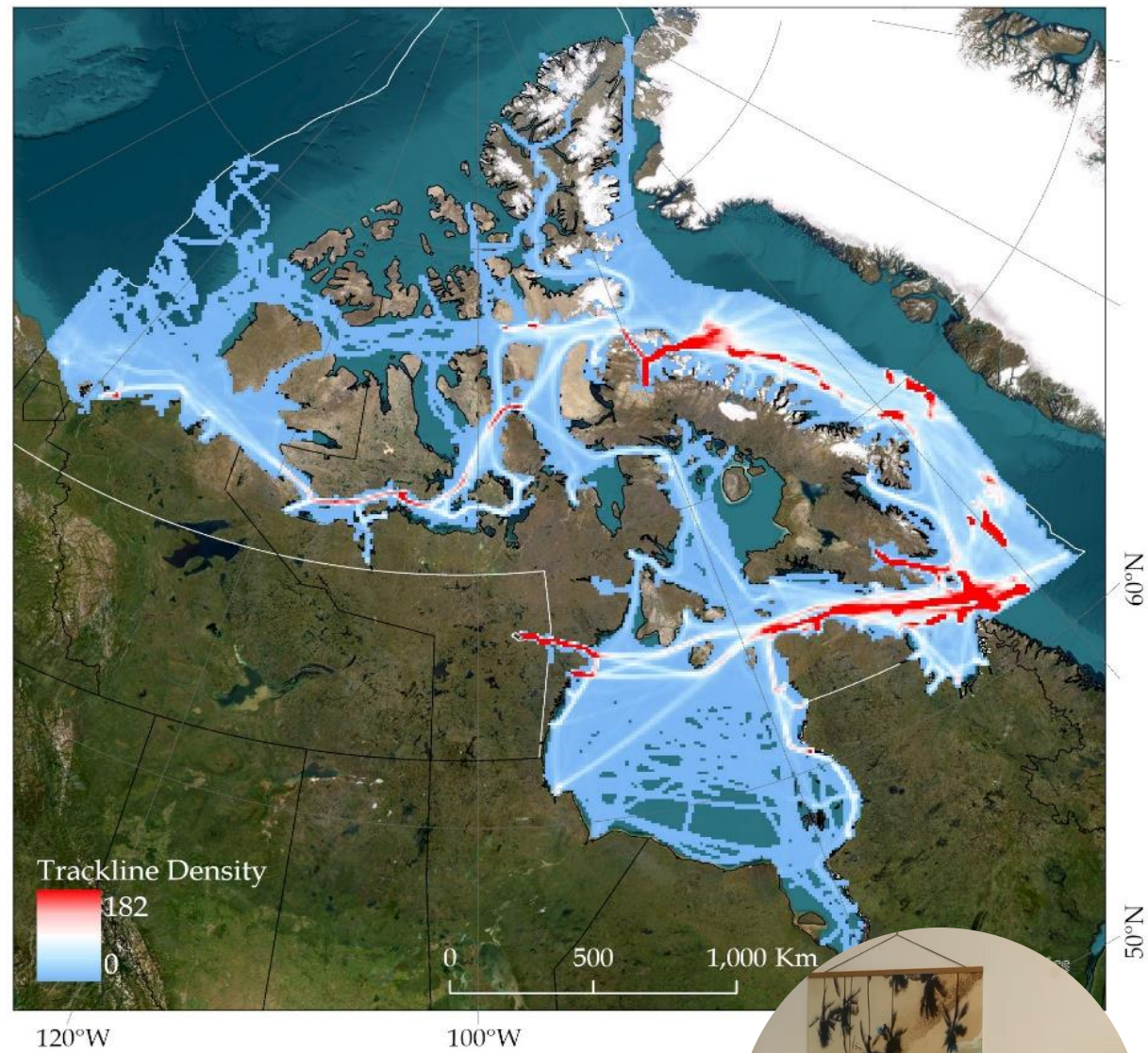
- Shipping Trends
- Low Impact Shipping Corridors
- Arctic Corridors Northern Voices Project
- Corridor Recommendations



Number of voyages, within 20 km of communities
2013-2022



Total voyage counts (2013-2022) within 20 km of 48 communities are shown by graduated symbol size per community. The ten communities with the greatest voyage counts are labelled.



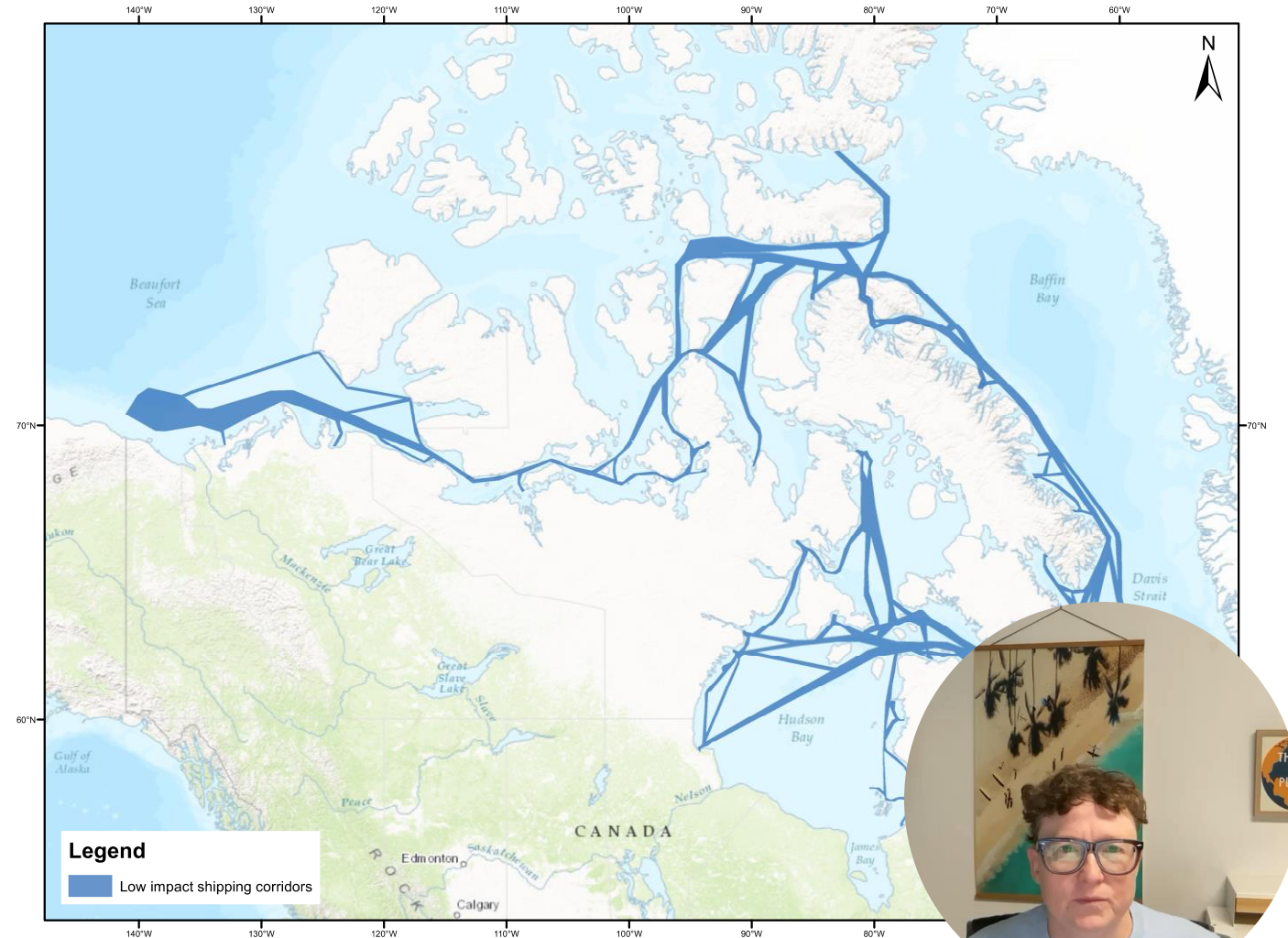
Trackline density for all ship tracks between 2022 (tracklines per 10 km² grid cell).



Low Impact Shipping Corridors

“...dynamic shipping routes throughout Canada’s North where the necessary infrastructure, marine navigational support, and emergency response services could be provided to ensure safer marine navigation, while respecting the sensitive northern environment and its ecological and cultural significance”

(House of Commons Report, 68; underline our emphasis).



Arctic Corridors – Northern Voices Project

Three Major Objectives:

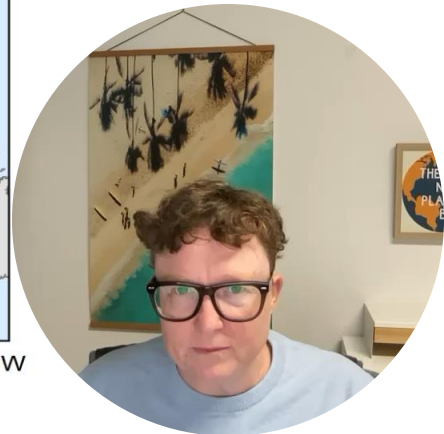
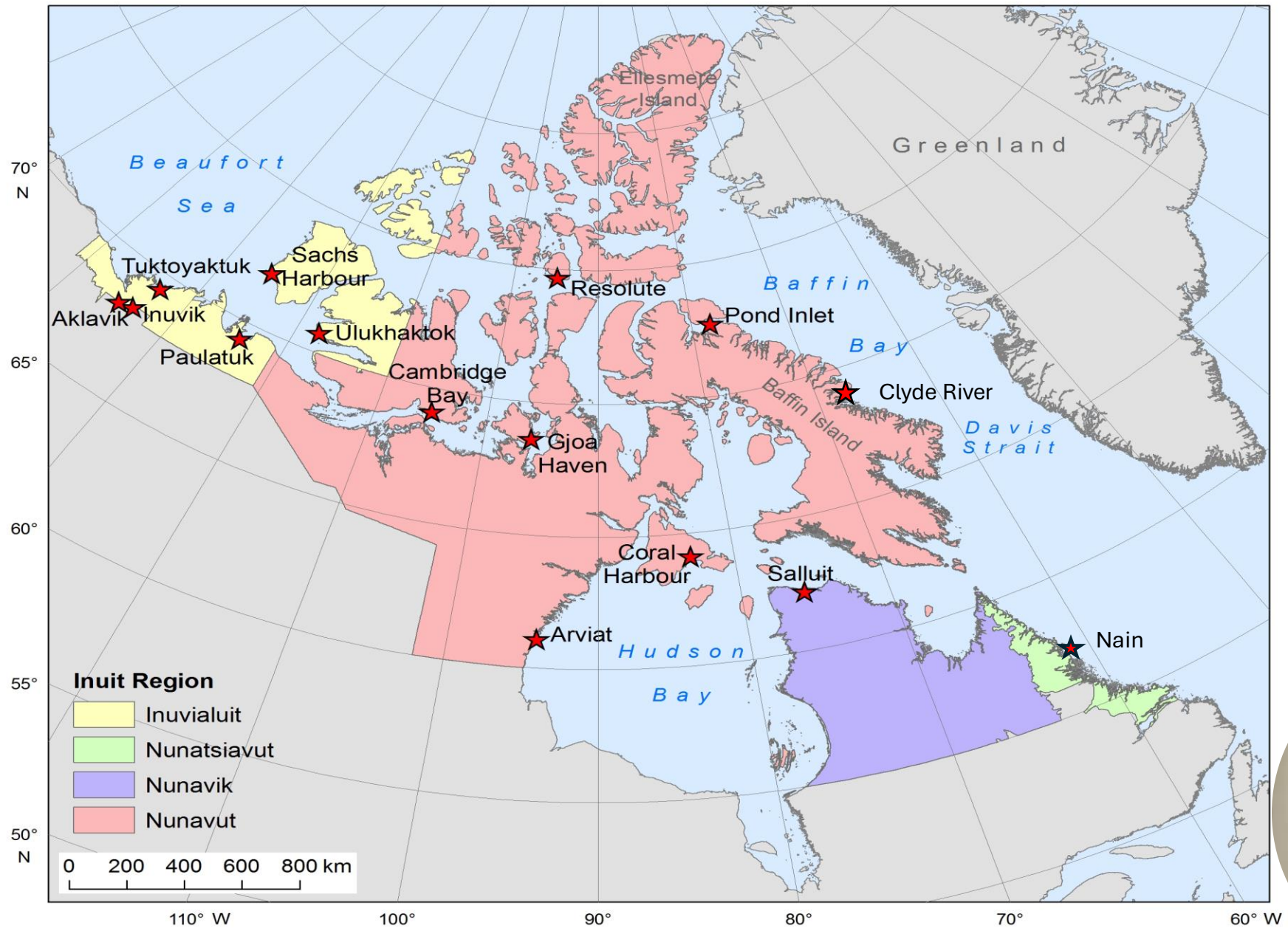
- Establish long-term (25+) year Arctic shipping spatial trends database
- Identify Local Concerns and Opportunities and Map Culturally Significant Marine Areas (CSMAs)
- Categorize Local Suggestions for Corridors (priority areas, routing, areas to avoid, etc.)

www.arcticcorridors.ca



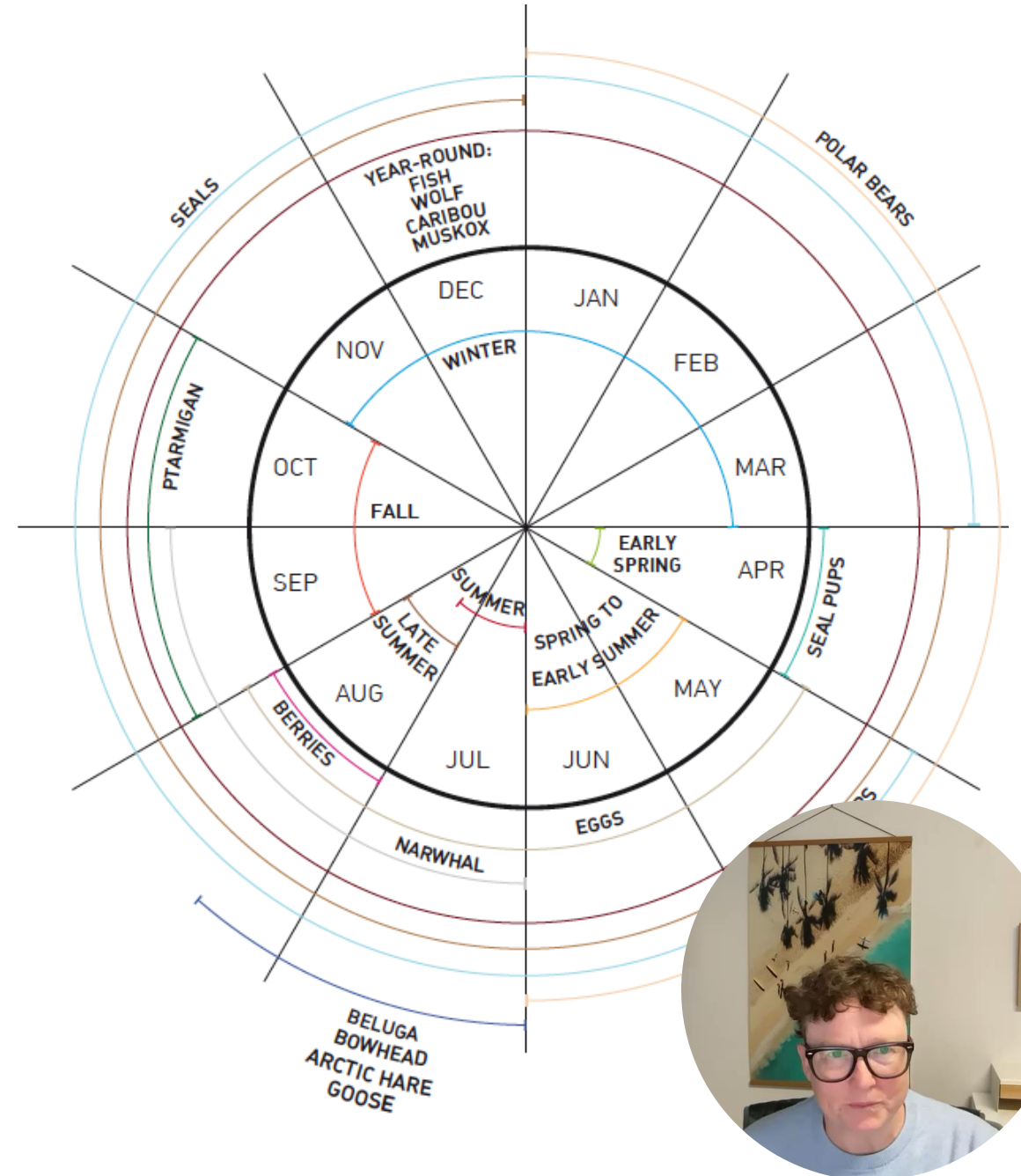
ARCTIC
CORRIDOR
RESEARCH





16 Community Workshops

- Community Harvest Wheels
- Participatory Mapping
- Corridor Recommendations



Preferred corridors (8 communities)

- Revise corridors near protected areas
- Locate corridors further offshore to limit impact on wildlife and communities

Area to avoid (10 communities)

- Avoid protected areas such as MPAs and Migratory Bird Sanctuaries
- Avoid sensitive areas important to communities and marine wildlife

Restricted shipping seasonally (10 communities)

- No icebreaking year round
- No icebreaking during forming and break up phases
- Scares away animals and dangerous for hunters

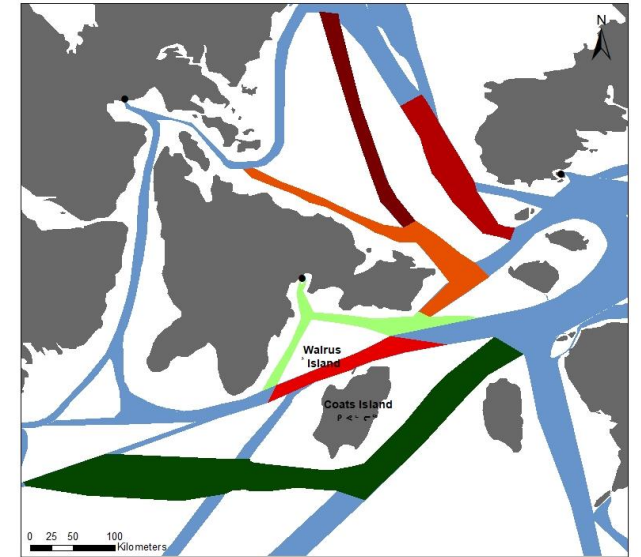
Modification of vessel operation (7 communities)

- Reduce noise and speed to limit impact on wildlife

Charting needed (4 communities)

- Proposed areas where charting is needed

Community Corridor Recommendations

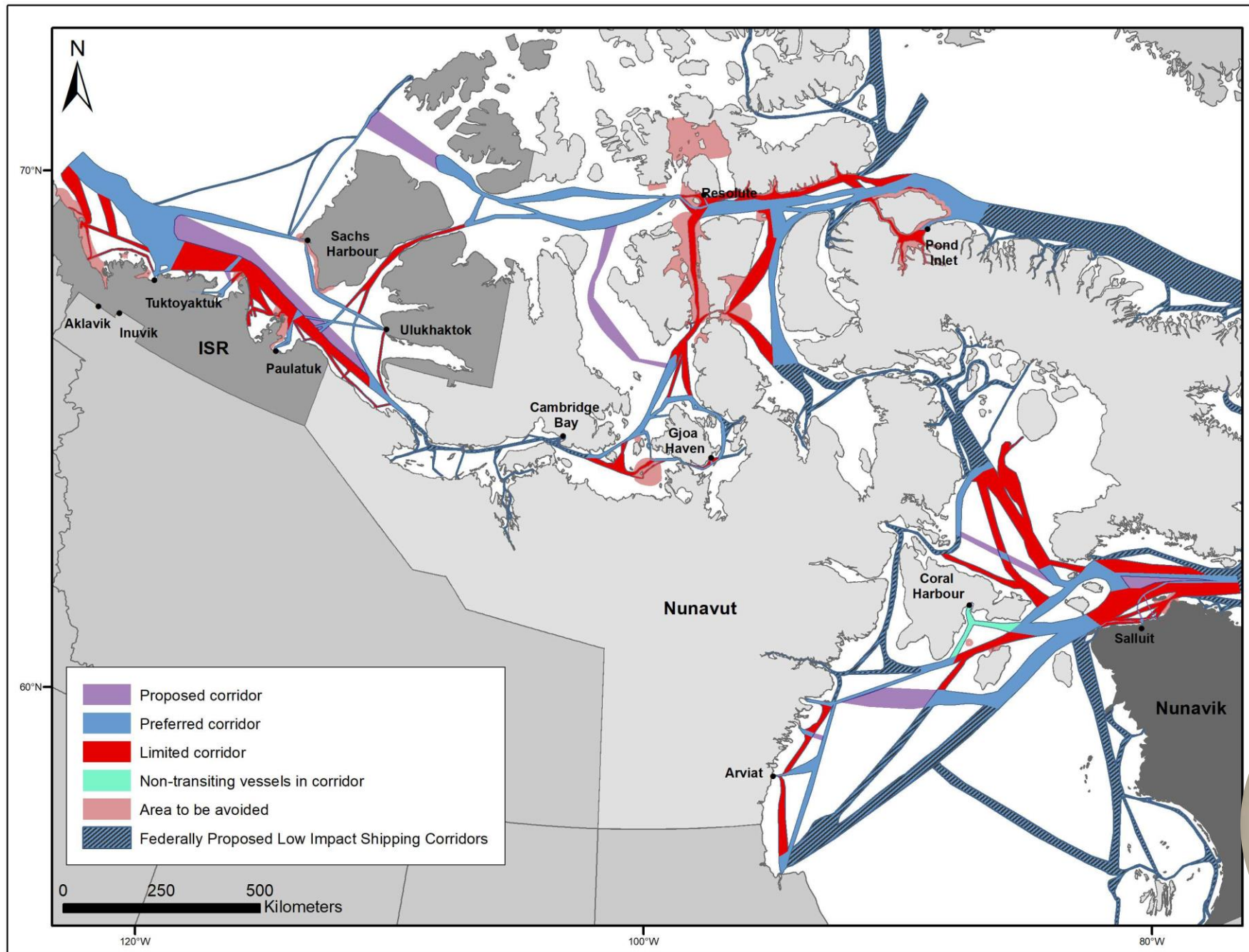


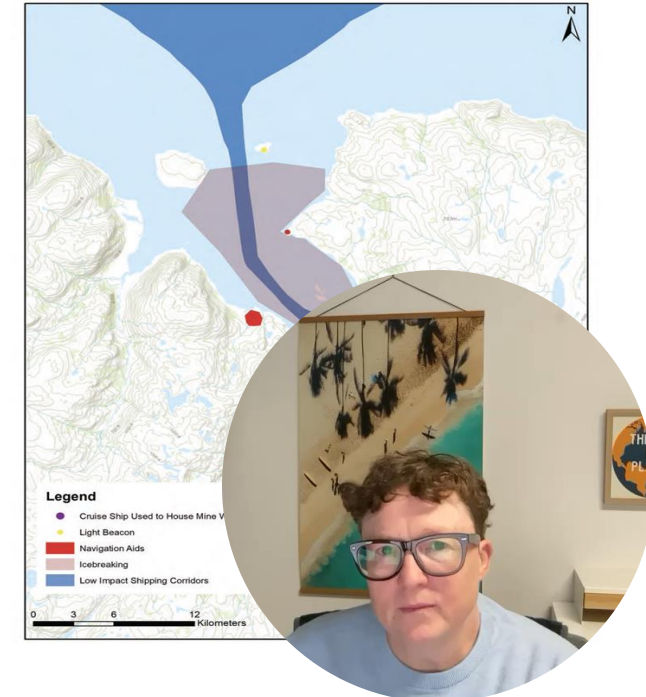
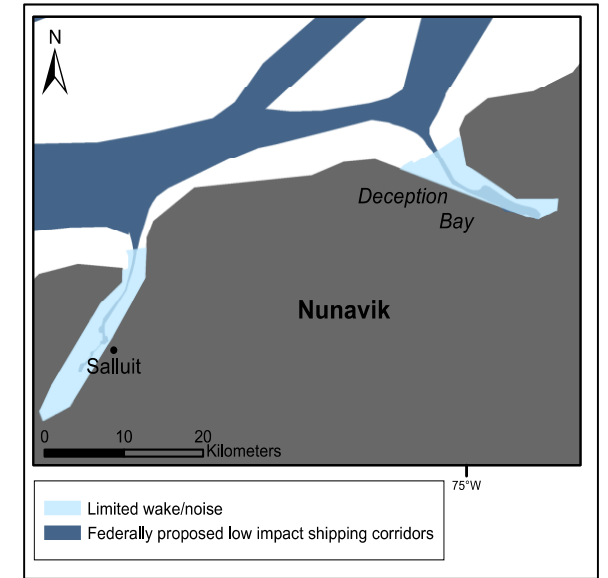
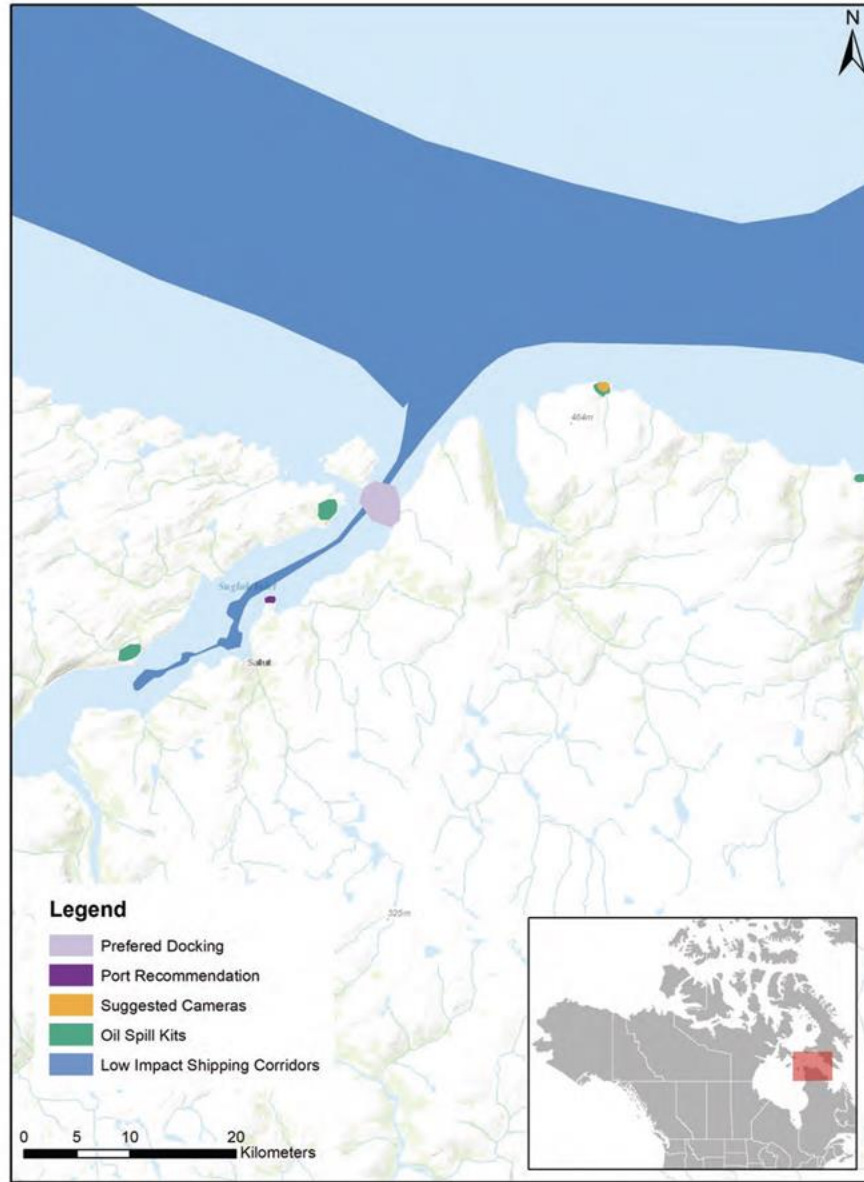
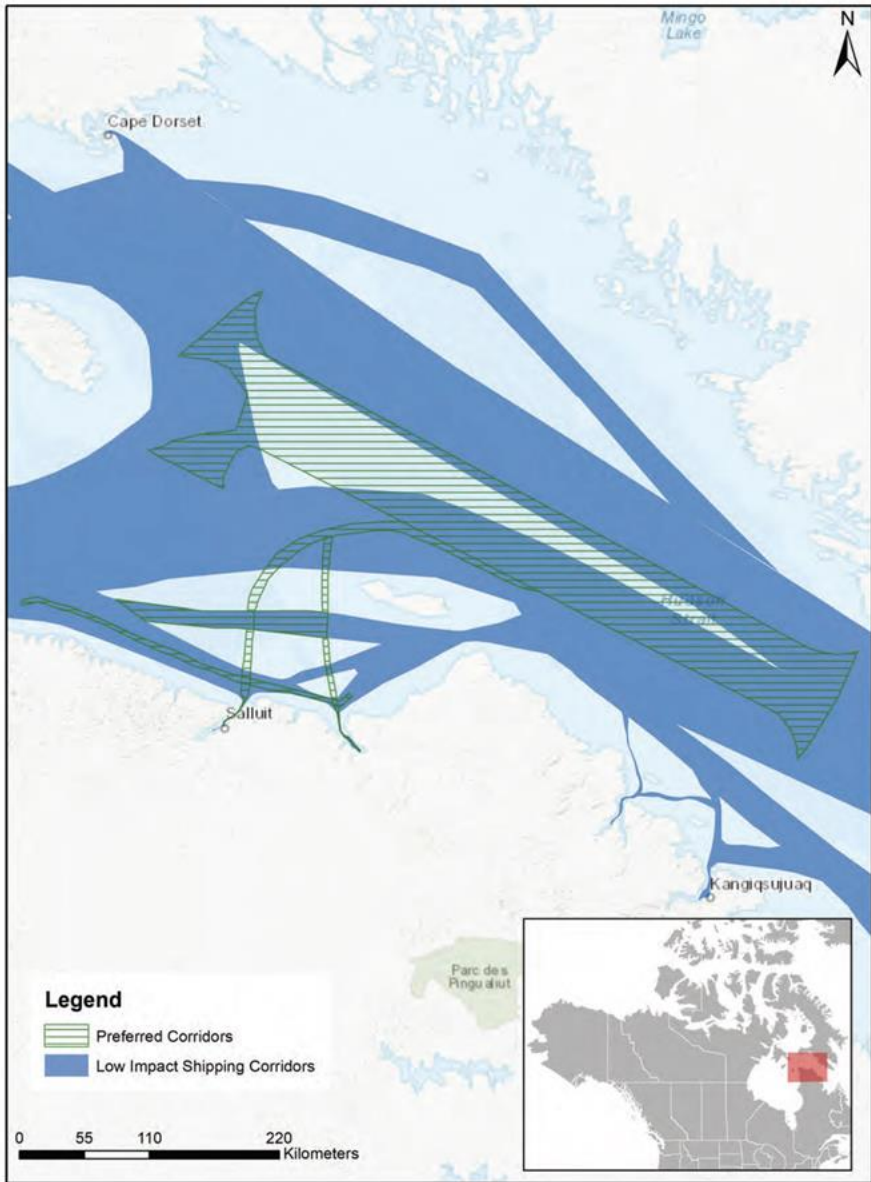
Legend

- Preferred Route for Community Resupply
- Preferred Route
- No Shipping due to Polar Bears
- No Shipping due to Beluga Migration
- No Shipping
- Move Corridor 50 miles from shore
- Low Impact Shipping Corridors

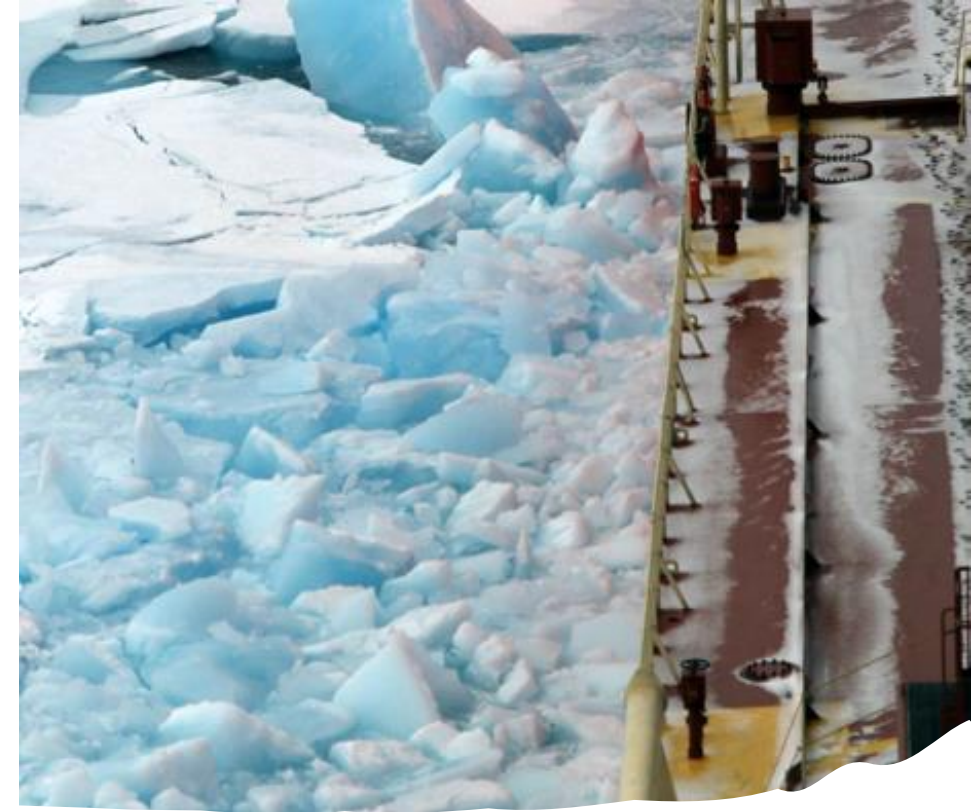
- No-go zones
- Slow-go zones
- No anchoring
- Spill equipment
- No ice breaking







Nunavik (Salluit) Community Report



Thank you!

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