

Building a shared perspective on Arctic waters through community-engaged research

Arviat's Perspective



Arviat



Aqqiumavvik Society



- ❖ Committed to building and enhancing community capacity;
- ❖ Creating opportunities for pilimmaksarniq/ acquiring skills;
- ❖ Building on the strengths of culture;
- ❖ Promote self reliance and collective identity;
- ❖ Building on evidence gathered through research

Ujjiqsuiniq Young Hunters



THE MODEL:

- Revitalizing the cultural expectation for youth to become keen observers of their environment.
- Invite Elders and expert research partners to train youth in monitoring processes.
- Create the opportunity to practice these skills in the field.
- Bring back data that can be presented to the community and initiate the “So what does this mean for us?” conversation.

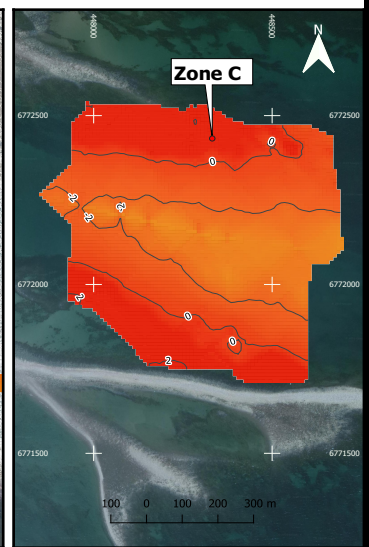
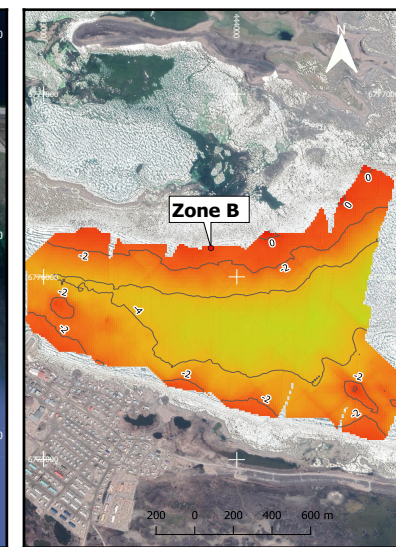
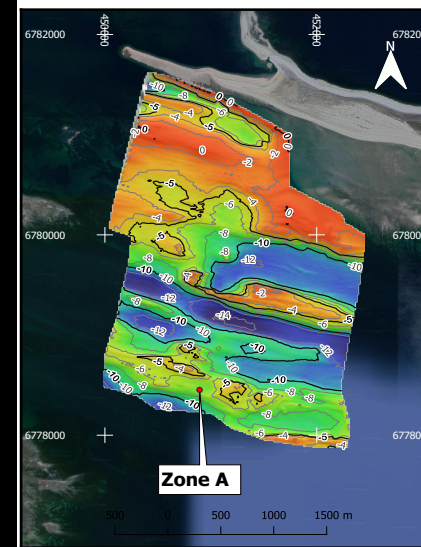
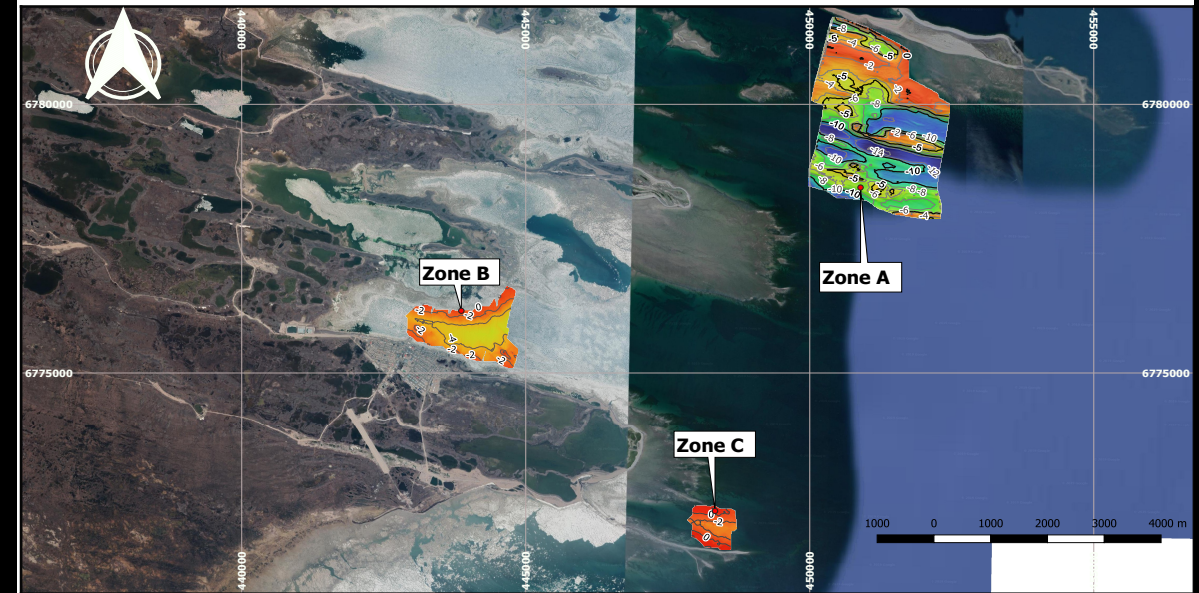
The Role of Research



- Working with Elders/stewardship
- Scientific training/methods & monitoring
- Expert research partnerships
- Youth as message carriers – building knowledge

Working on our ocean

- Place naming
- SmartICE monitoring
- Marine mapping
- Monitoring wildlife health
- Water quality monitoring
- Documenting coastal travel routes
- Documenting use activities along the coast



Sentry Island Bathymetry Map



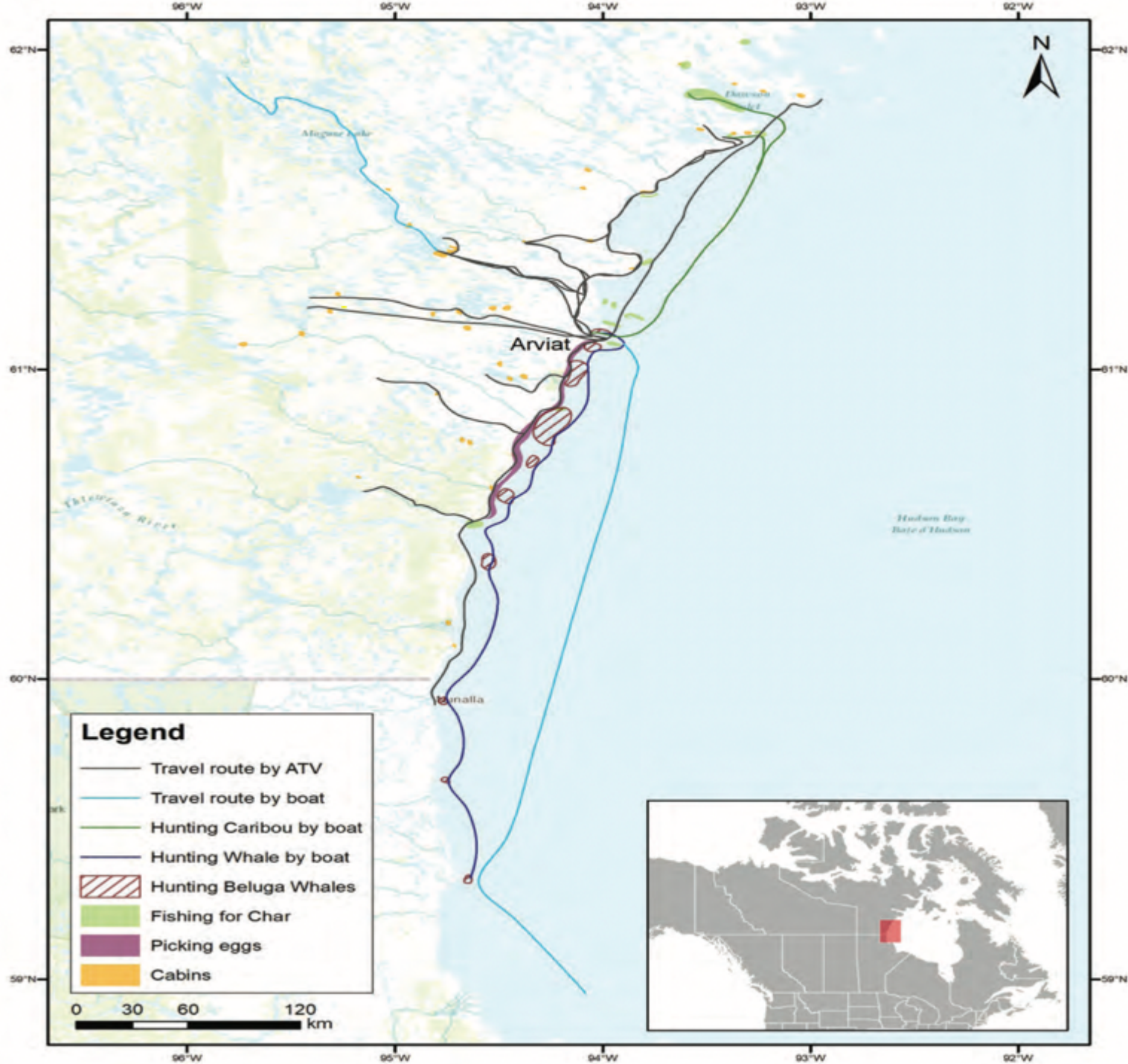
Cartographic reference:
Horizontal Datum: NAD83
Projection: UTM zone 15N (EPSG:32615)
Vertical Datum: Chart datum (m)

Technical note:
This survey was done by the Aqqiumavvik society
Equipment: Hydroball

Surveyors:
Jason Curly
Andrew (Balam)
Aupaa
Wayne

Depth @ Chart Datum
-14.0
-12.0
-10.0
-8.0
-6.0
-4.0
-2.0
0.0
0.5





Translating Research/ Potential Impacts

Regardless of where ships travel they are having an effect and are leaving contaminants in the sea. The sea around Arviat is becoming shallower. In shallower water, the effect of contaminants on animals and the people who eat them will be greater.

Communicating Outcomes

- Training youth
- Raising community awareness & engagement
- Building links to research & career paths
- Investing in sustainable practices





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