

2023

GENICE II

Reimagining Monitored Natural Attenuation as an Oil Spill Response Strategy in the Arctic (2021-2025)

Project Objective

The objective of GENICE II is to learn about what happens to oil spilled from ships in Arctic waters, and how Community-Based Monitoring (CBM) can be part of oil spill preparation and response in Chesterfield Inlet.

Research to date

Our team visited Chesterfield Inlet May 2nd to 5th, 2023.

We gave a presentation to the high school science class at the Victor Sammurtok School on May 3rd.

We held an open house on May 3rd to share information about GENICE II with the community.

We held a full day co-development workshop on May 4th with ten community members including HTO members, the Guardians from the Sapujiyit Society, and several youth.

We identified the next steps for the project including Inuit knowledge research and genomics informed sampling that will start this summer.

Next Steps

This spring Suresh Bk will be in Chesterfield Inlet, NU to conduct some interviews with Inuit Knowledge holders.

We will work with the Sapujiyit Guardians to begin monitoring some of the sites we identified.



What is Community-Based Monitoring?

The careful and consistent observation of social and ecological changes led by local communities, often in collaboration with external parties (Johnson et al., 2015).

Our Team



Suresh Bk



Nicole Wilson



Community Researcher
(To be confirmed)



Eric Collins

Sites for Potential Monitoring

During the workshop we identified potential sites for monitoring. This list is a work in progress. We expect to add additional sites and details in the future. We will work with Inuit Guardians from the Foxe Basin Kivalliq North Sapujiyit/Guardians of the Sea Society to conduct the monitoring.

Inuktitut	English	Description
Puirsuk	First Lake	Drinking water source
Puirsuk, Akulliq, Amaruqalik	First, Second, and Third Lakes	Fishing site popular with Elders
Tuktuttaa	Fish Bay	Popular summer fishing site
Igluligaarjuk	Anchorage Harbour/ Chesterfield	Fishing site. Ships harbour there in the summer.
Itivia	Beyond the big tower (beacon)	Fishing site with cabins
Ajarattulik	Checkers Lake	Spring fishing site
*	Josephine Lake	Arctic Char fishing site
Ivitaarulinaaq		Popular Arctic Char fishing site
*	Ship Harbour	Site that the ships anchor when going to and from Baker Lake

* We would be grateful to anyone who could provide Inuktitut place names for these locations

Acknowledgements

Thank you to the Aqigiq HTO and the Foxe Basin Kivalliq North Sapujiyit/ Guardians of the Sea Society for helping us organize our visit in May 2023. We would also like to thank Doris Tautu for providing interpretation

services. This research is generously funded by Genome Canada.



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References

(1) Johnson, N et al. 2015. The contributions of community-based monitoring and traditional knowledge to Arctic observing networks: Reflections on the state of the field. Arctic 68, 1.
<http://dx.doi.org/10.14430/arctic4447>

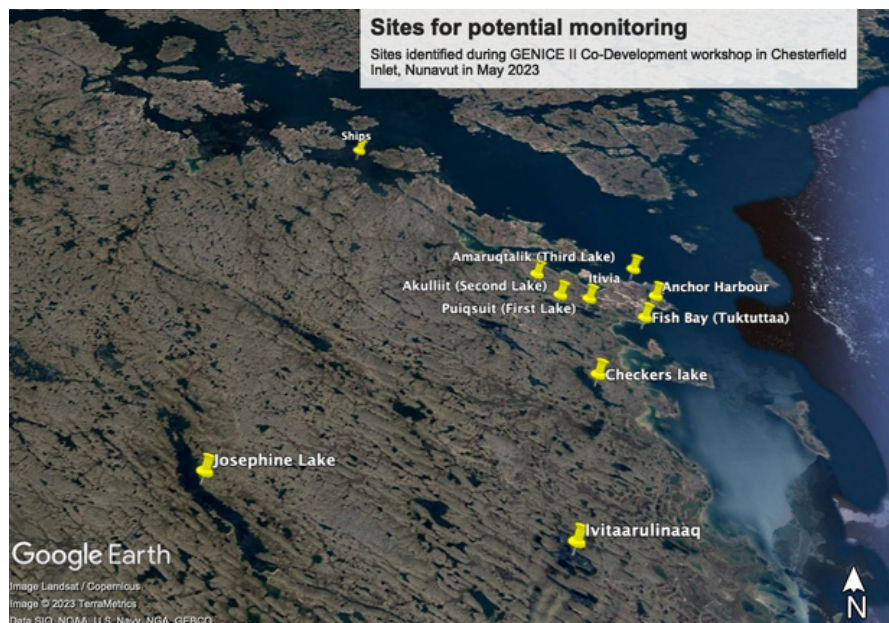


Fig 1. Map of sites identified during May 2023 co-development workshop.