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Kugluktuk Angoniatit Association



Wek'èezhiu











Monitoring Caribou Through Harvester-Based Sampling

COMMUNITY-DEFINED AND MONITORED INDICATORS OF RECOVERY IN BARRENGROUND CARIBOU ACTIVITY UPDATE – JULY 2024

WHAT IS THE ISSUE?

Harvester sampling of caribou can provide crucial and timely insights into caribou health. The Kutz Research Group, in collaboration with northern communities, has been co-developing and implementing such programs for caribou and muskoxen for more than 20 years.



WHAT ARE WE DOING?

In 2023, we initiated a community-based sampling program for the Bluenose East caribou herd with Kugluktuk, NU, and with potential to expand to the Sahtu and Tłįchǫ regions of NWT. The program involves easy-touse sampling kits that are designed so that hunters can collect caribou health and population data.

WHY DOES THIS MATTER?

The environment of the Arctic is changing, with emerging diseases and more caribou meat abnormalities being observed.



Sample processing at Kugluktuk



It is vital to have a robust monitoring system that can identify causes of abnormalities and track diseases that can affect caribou populations, and in some cases human health. **The harvester**-

Scan me for a detailed video on sample kits

Environnement et

based sampling program for the Bluenose East herd is particularly crucial for this reason. The collaborative approach enables collection of detailed and timely data, which means we can better understand the herd's health.

Extending the program to new areas (Sahtu and Tłıcho regions) will expand our understanding of Bluenose East caribou across their seasonal ranges. This leads to more effective, targeted management strategies that are tailored to specific regional challenges and needs.



Environment and Climate Change Canada

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WHAT HAPPENS WITH THESE SAMPLES?

After the samples are collected, some are processed in community and the rest at University of Calgary. The Kutz Research Group does detailed analyses on the samples (blood, skin, bone marrow, other organs and tissues), and then reports results back to communities.



Bluenose East Caribou Range

THANK YOU TO ALL THOSE WHO MAKE OUR RESEARCH IN THE ARCTIC POSSIBLE

The Kutz Research Group works closely with arctic communities, territorial governments, and industry partners to investigate and monitor wildlife health in the North. The information and results presented here are a direct result of these collaborations. We thank all our collaborators and funders who have made this broader program successful. Please contact Susan Kutz <u>skutz@ucalgary.ca</u> if you have any questions about this program.

