Muskox distribution and abundance
Muskox Management Unit, MX08,
Boothia Peninsula

Taloyoak HTO

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Government of Nunavut
Department of Environment

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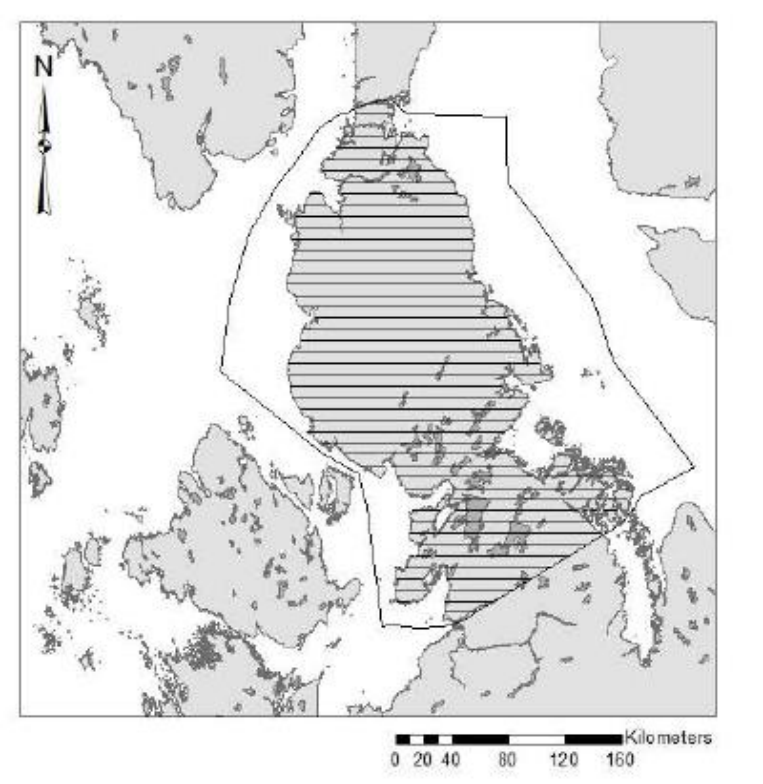
Nunavut

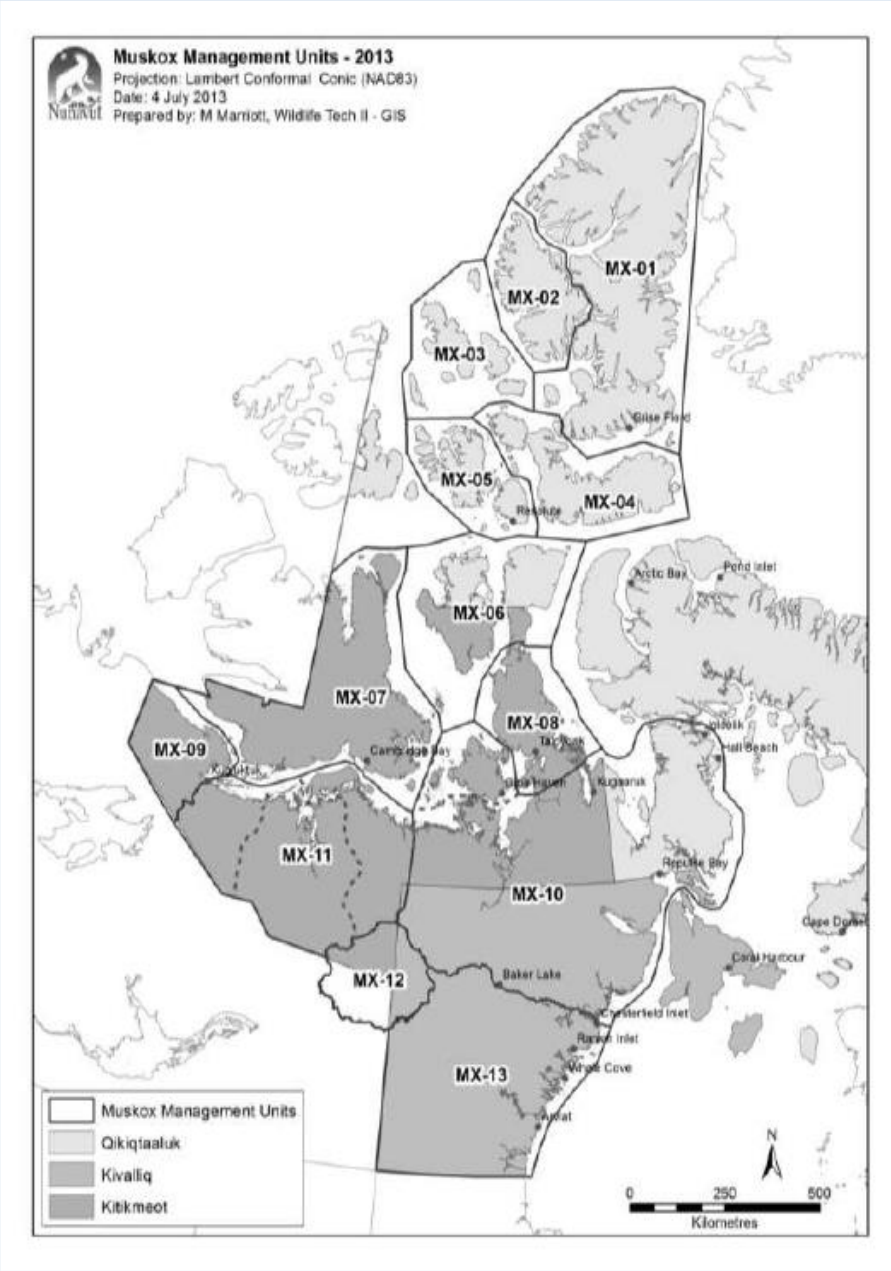
The Government of Nunavut would like to:

Inform the Board of the progress in research and monitoring on the Muskox Management Unit MX-08 in 2017, and provide current management recommendations

Survey Area

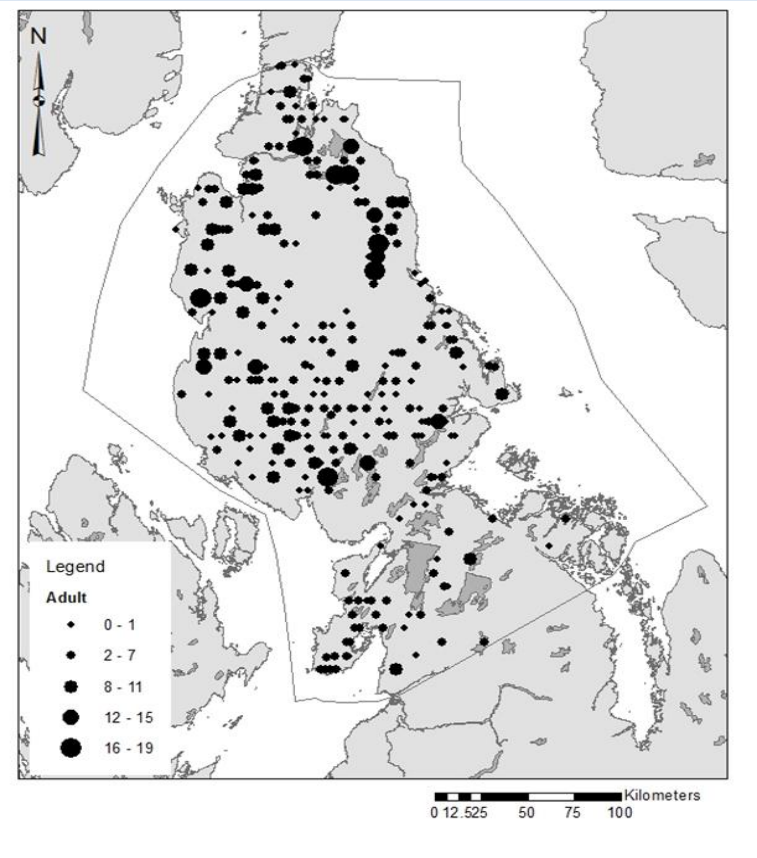
- MX-08, last estimate in 2006 was 1,100 muskoxen, with 158 adults on transect.
- Concerns, muskox-caribou interaction.

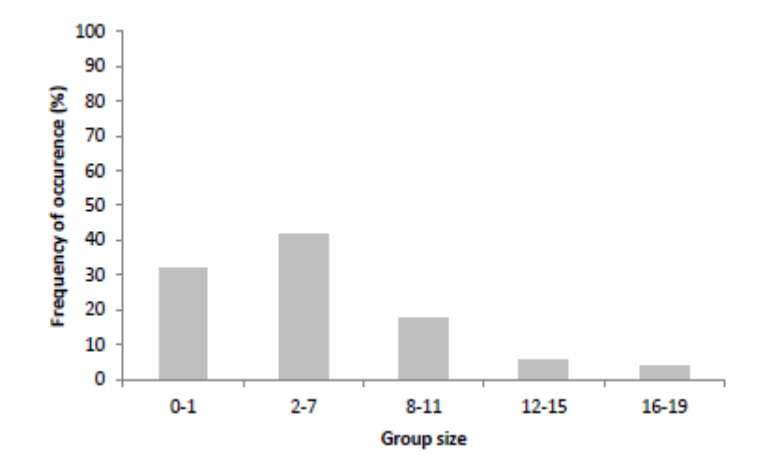




Monitoring

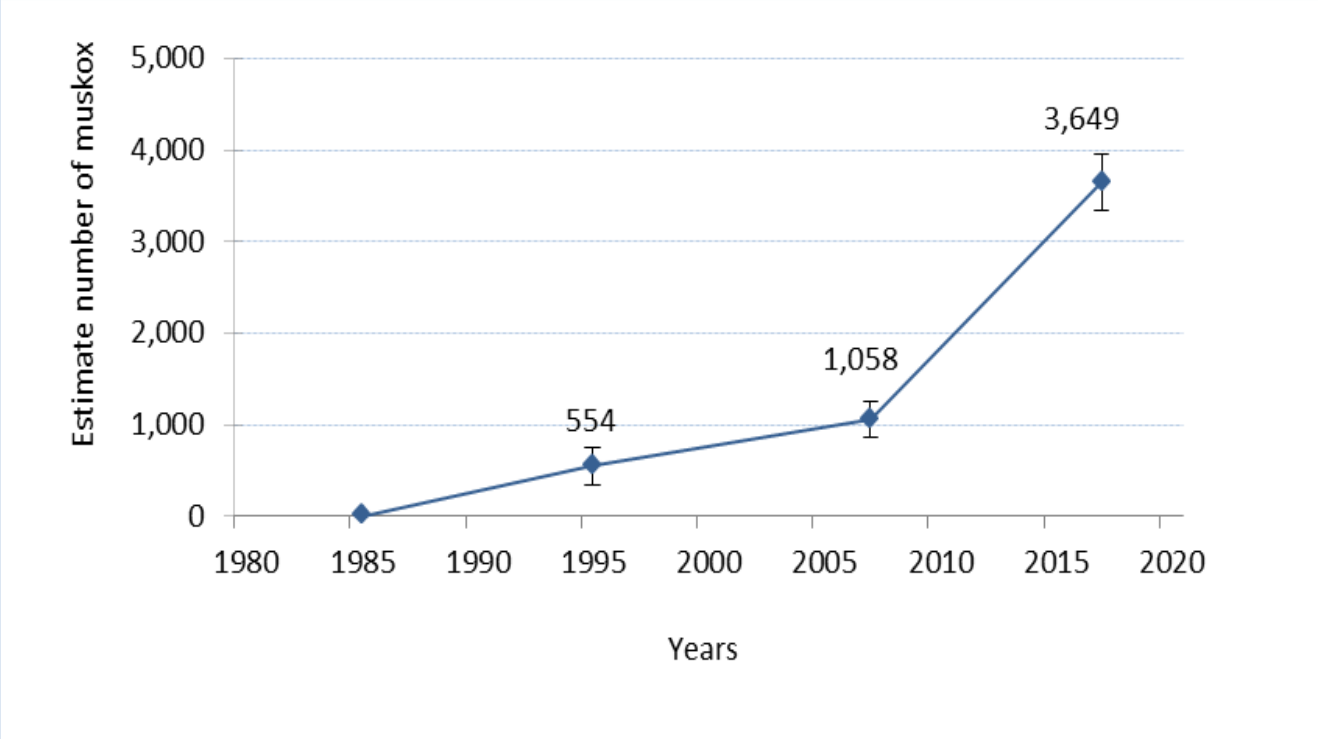
- Survey completed in August 05 to August 13, 2017
- 702 adults counted on transect
- 41% of the group were small groups of 2 to 7 adults.
- The calves to adults ratio was 14%.





MX08- population estimate

There is an increase in muskox number with an estimate of 3,649 ± 316 SE



Predators

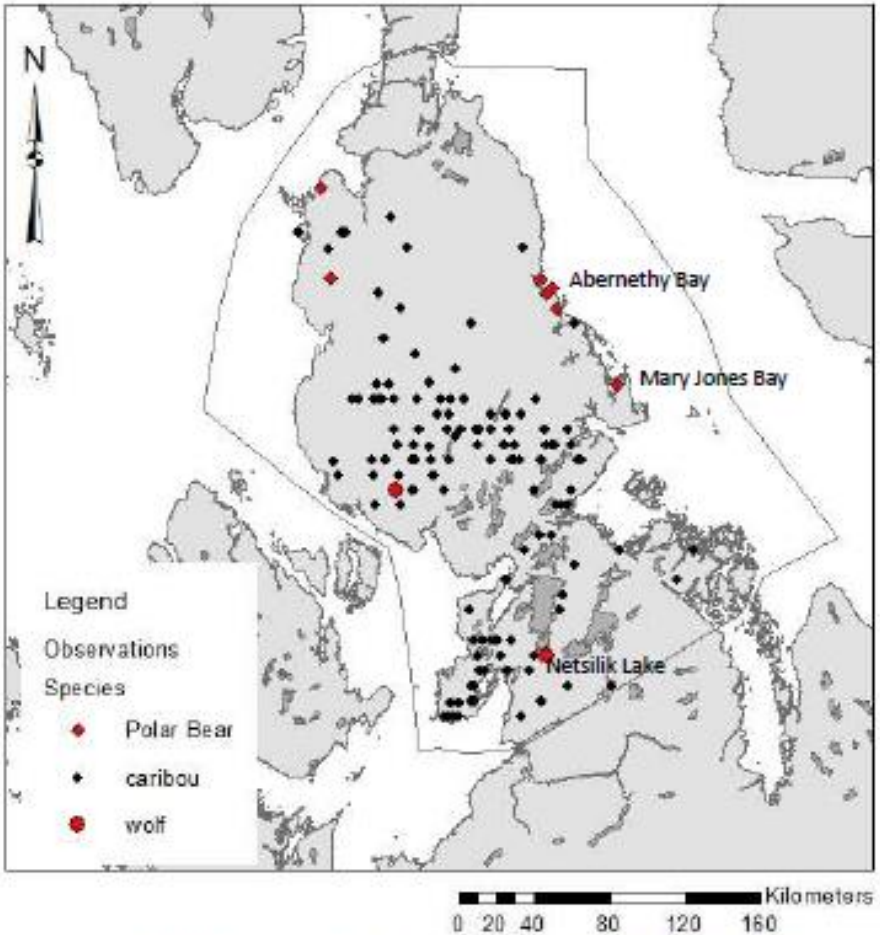


Figure 7: Locations where Polar Bears and Wolves were observed in the Muskox Management Unit MX-08 in relation to caribou distribution.

Management - Discussion

What is the HTO's management objective?

Are all tags being filled?

What is the community need?

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The Government of Nunavut recommendations

Based on survey results and community and HTO consultations, the following, current recommendation is made for managing muskoxen in Muskox Management Unit MX-08:

The Department of Environment is recommending to the Nunavut Wildlife Management Board to increase the current TAH of 66 to up to 275 muskoxen for Muskox Management Unit MX-08.