

ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ
 ᑲᑦᑦ ᑦᑦᑦ ᐅᑦᑦᑦ ᐅᑦᑦᑦ
 ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ
 ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ
 ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ
 ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ ᐅᑦᑦ

ᑦᑦᑦ 2023

Presentation from
 Sayisi Dene First Nation and
 Northlands Denesuline First Nation
 NIRB Public Hearing – Technical Session:
 “Meliadine Extension” Project Proposal for
 Agnico Eagle’s Meliadine Mine

September 2023

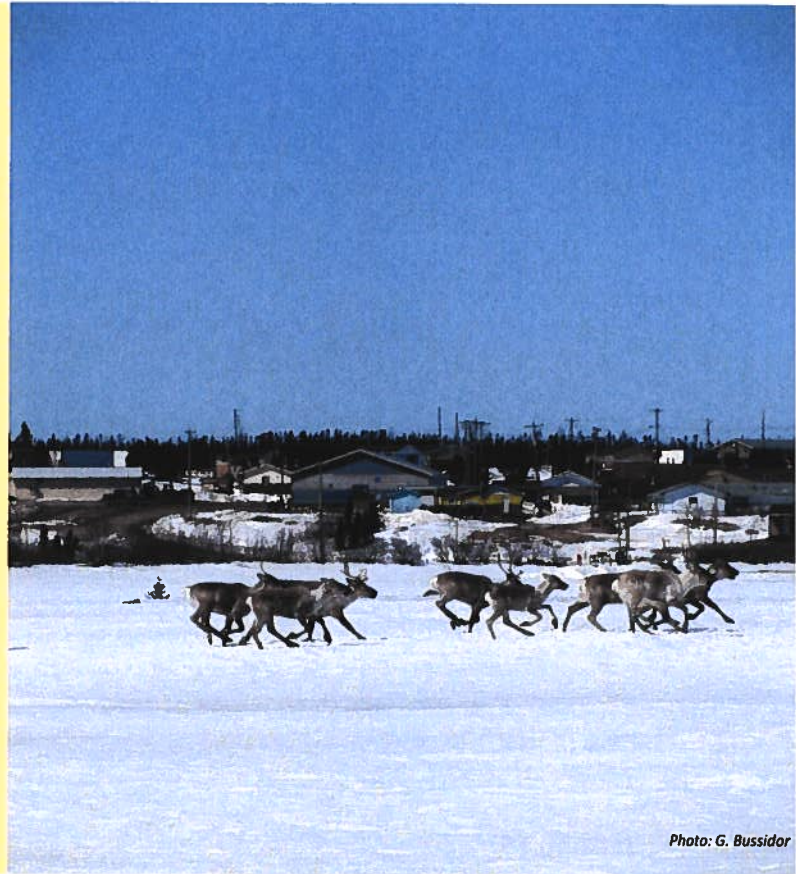


Photo: G. Bussidor

NUNAVUT IMPACT REVIEW BOARD
 Date: September 16, 2023
 Exhibit No.: 41

ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ

Presentation Outline

- ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ ᐅᐃᑦᑦᑦ
- ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ
- ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ
- ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ
- ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ
- ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ
- ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ
- ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ

- Background on Sayisi and Northlands
- Project features of concern
- Agnico Eagle responses
- Issues potentially resolved
- Remaining concerns
- Actions required
- Recommendations



ᐅᖃᐅᑦᑦᑦᑦ ᐅᐃᑦᑦᑦ ᐅᐃᑦᑦᑦ ᐅᐃᑦᑦᑦ
 Sayisi Dene First Nation & Northlands Denesuline First Nation





- 1) ንጋጅ ሙናርዮልካቦር ለገላህፍሩረላው፣ ላይነጋ ልዎብካቦ ኮከብረላ ፍፁብካሚ፣ ላይልልሙቦር ንጋጆ ላይልረርሮፍ፡፡
- 2) ሙናርዮልካቦር ሲሊካቦጆ ላይልልሙቦር ሙናርዮልካቦር
- 3) ላይልልሙቦር ሲሊካቦጆ ንጋጅ ልፍፍርዮልሚ ረረረ ሶራካቦር ባክፍላ ላይልልሙቦር

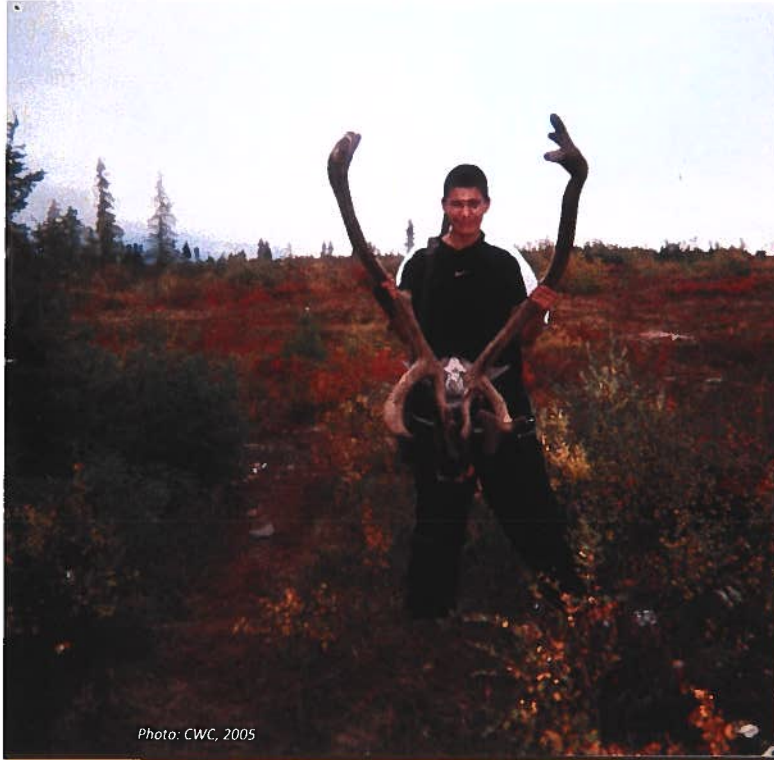
- 1) Changing caribou calving, post-calving and summer distribution near the mine. Impacts diluted by size of caribou effects study area
- 2) High uncertainty about negative long-term sensory impacts from windfarm in post-calving range
- 3) Negative impacts to caribou crossing movements from waterline adjacent to Discovery Road

[illegible]

4) Caribou protection measures for group size and distance threshold shutdowns are not sufficient

5) Caribou movements while ‘approaching’ and ‘leaving’ the all-weather access road have not been adequately assessed





ᐱᓚᑦ ᐃᑭᑦ ᑭᐅᔪᑎᓴᑦ ᐃᓂᓕᑦ # 1

- [illegible]

AEM Responses to Concern # 1

- **Provided updated impact assessments & habitat selection of caribou during post-calving and summer periods near mine infrastructure between 2012 and 2022. Impacts not significant**
- **Some concerns addressed at the Terrestrial Advisory Group included baseline noise monitoring and alternate wind turbine locations**



Sayisi Dene First Nation & Northlands Denesuline First Nation



ᐱᓚᓂᓂ ᐱᓂᐃᓂ ᐅᐅᓕᓂᓂ ᐱᓂᓚᓂᓂᓂᓂᓂᓂ # 2

- [illegible]

AEM Responses to Concern #2

- **An additional caribou monitoring study will be added to the Windfarm Management Plan**
- **Additional maps of increased caribou presence provided; continues to consult with Kivalliq Elders Advisory Board**
- **Wind turbines shutdown when caribou at 5 km**



Sayisi Dene First Nation & Northlands Denesuline First Nation



ᐱᓄᓂ ᐃᑭᑦ ᑭᏗᔪᑎᓴᕐ ᐃᓯᒫᓂᓴᔪᑦ # 5

- [illegible]

AEM Response to Concern # 5

- Analysis of caribou movements near mine and potential windfarm are completed
- Analysis did not adequately explain or interpret caribou movements 'approaching' and 'leaving' all-weather access road and conflicted with other evidence



 **ᑭᓂᑦ ᑕᓄᓐ ᑖᓚᑖᑦ ᑖᓚ ᓄᑖᑖᑦ ᑕᓄᓐᓴᓐ ᓄᓇᑭᑦ ᑭᑦᓴᓴᓴᓴ**
Sayisi Dene First Nation & Northlands Denesuline First Nation 



ᐃᓂᓄᓇᓂ ᐱᓕᓂᓴᓂ

- [illegible]

Issues Potentially Resolved

- Agnico Eagle has committed to resolve some of our concerns, such as spill response and noise monitoring
- Some commitments have not yet been fulfilled, so concerns remain



ᑭᓐᓂᓯᓪᓇ ᓄᓇ ᖃᖅᖃᖅ ᕿᓴᓴᓪ
Shlands Denesuline First Nation



 **ᑭᓴᑭᓴ ᑦᑎᓴᑦ ᑭᓴᑦᑎᓴᑦ ᑦᑎᓴᑦ ᑦᑎᓴᑦ ᑦᑎᓴᑦ**
Sayisi Dene First Nation & Northlands Denesuline First Nation 



Δηλ. 2015

- [illegible]

Remaining Concerns

- 1) Increased caribou movements near the mine have been re-assessed for significance, but conflict with observed impacts
- 2) High uncertainty and risk of negative impacts to caribou from windfarm location
- 3) Road and waterline structures may have negative impacts on movements of caribou at water crossings



Photo: CWC



Sayisi Dene First Nation & Northlands Denesuline First Nation



Δημόσιος

- [illegible]

Remaining Concerns

- 4) Caribou protection measures are not sufficient to mitigate potential negative impacts to caribou migration patterns
- 5) An analysis of caribou movements ‘approaching’ and ‘leaving’ the all-weather access road before waterline installation, is still needed



Photo: CWC



Sayisi Dene First Nation & Northlands Denesuline First Nation



[illegible]

Recommendations

- 3) ነፍጠካን ለመጥፋት ለሚሞከሩ ጥራት ያላቸው ሰራተኛዎች ምሳሌ ለሆነው ሰራተኛው ማህበረሰብ ለሚቀርብ የሚችል ምሳሌ ለመሆን ሲችሉ ለሌሎች ሰራተኛዎችም ምሳሌ ሊሆኑ ይችላሉ።
- 4) ጋራ ምሳሌ ለሆኑ ሰራተኛዎች ለሚቀርቡ ምሳሌዎች ምሳሌ ለመሆን ሲችሉ ለሌሎች ሰራተኛዎችም ምሳሌ ሊሆኑ ይችላሉ።
- 5) ነፍጠካን ለመጥፋት ለሚሞከሩ ሰራተኛዎች ምሳሌ ለሆነው ሰራተኛው ማህበረሰብ ለሚቀርብ የሚችል ምሳሌ ለመሆን ሲችሉ ለሌሎች ሰራተኛዎችም ምሳሌ ሊሆኑ ይችላሉ።

- 3) Further assessment of caribou movement and behavior monitoring at the southeast Meliadine Lake caribou crossing should be conducted prior to the installation of the Discovery Road waterline
- 4) The caribou group size threshold for migration protocols be reduced to allow more small groups to experience protection measures and increase the distance threshold for the mine operations and all-weather access road
- 5) Key analysis of caribou movements 'approaching and 'leaving' the all-weather access road be completed prior to approval/recommended approval of the Meliadine Extension proposal



Sayisi Dene First Nation & Northlands Denesuline First Nation

[illegible]

Recommendations (continued)

ፊት ለፊት ርዕሰ ሐረግ፡

- [illegible]

[illegible]

Two additions to the Project Certificate:

- **Revise Term and Condition # 43-Terrestrial Wildlife and Wildlife Habitat – General**
 - **Revise caribou protection group size and distance thresholds based on recent changes to caribou distribution**
- **Revise Term and Condition # 54-‘Movement of Wildlife’**
 - **Conduct a study of the major caribou crossing at the southeast end of Meliadine Lake to implement specific mitigations**

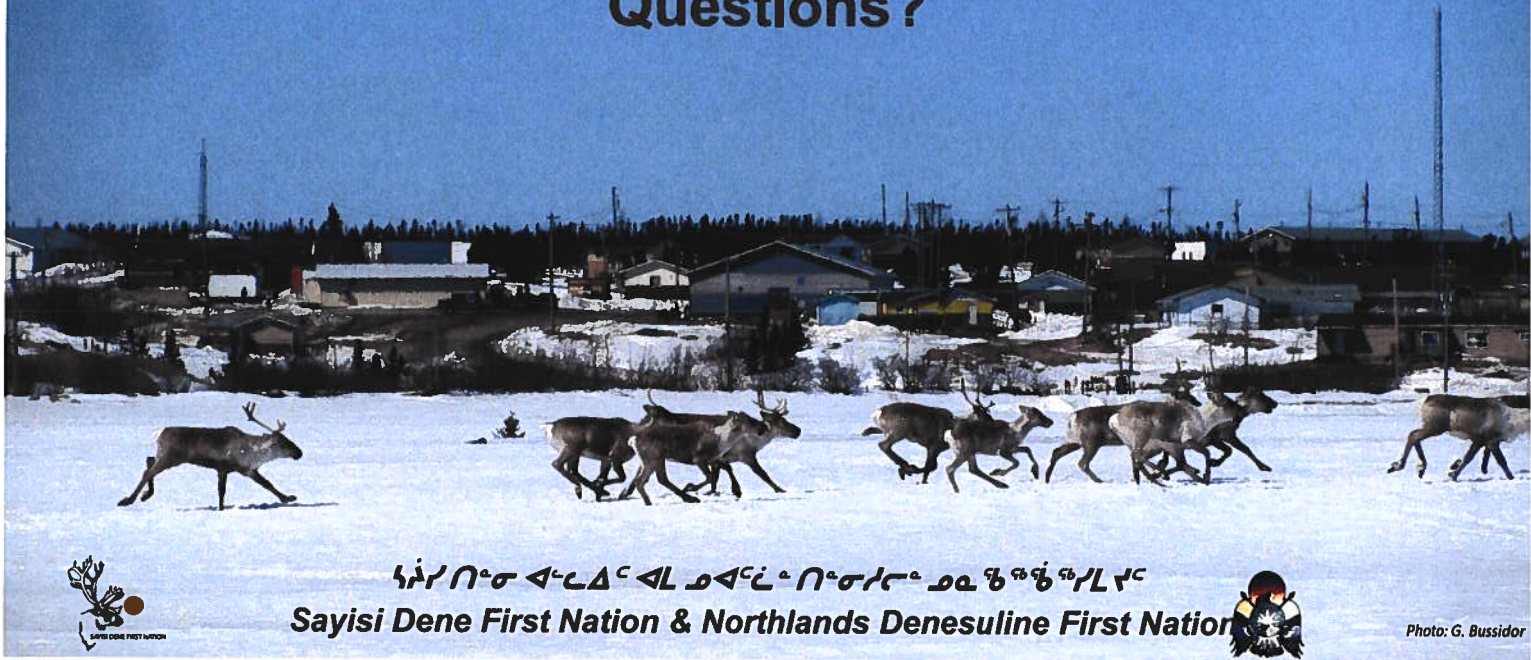
No information provided in the 2022 Annual Report changed these recommendations



Sayisi Dene First Nation & Northlands Denesuline First Nation



ᐃᐱᓐᓂᓐᓂᓐ? Questions?



ᐱᓐᓂᓐ ᐱᓐᓂᓐ ᐱᓐᓂᓐ ᐱᓐᓂᓐ ᐱᓐᓂᓐ ᐱᓐᓂᓐ
Sayisi Dene First Nation & Northlands Denesuline First Nation



Photo: G. Bussidor

