

ᓄᓐᓂᓐ 2015

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## Δἰῶν

ἑβδωμάδων	3
ἑβδωμάδων	4
Ἀποστολικὸν ἔθος καὶ ἄλλοι ἰστορικοὶ	5
Ἐπιτομή	7
Ἀποδοξιστικὸν ἑβδωμάδων ἔθος	9
Ἐκκλησιαστικὸν ἑβδωμάδων ἔθος - ἑρμηνευτικὸν ἑβδωμάδων	11
Ἐκκλησιαστικὸν ἑβδωμάδων ἔθος	16
Ἐκκλησιαστικὸν ἑβδωμάδων ἔθος	18
Ἐκκλησιαστικὸν ἑβδωμάδων ἔθος ἑβδωμάδων ἔθος: ἑβδωμάδων ἔθος	20
Ἐκκλησιαστικὸν ἑβδωμάδων ἔθος ἑβδωμάδων ἔθος	22
Ἐκκλησιαστικὸν ἑβδωμάδων ἔθος	23
ἑβδωμάδων	23
ἑβδωμάδων	25
ἑβδωμάδων	26
Ἐκκλησιαστικὸν ἑβδωμάδων ἔθος ἑβδωμάδων ἔθος	27
Ἐκκλησιαστικὸν ἑβδωμάδων ἔθος #1	27
Ἐκκλησιαστικὸν ἑβδωμάδων ἔθος #2	31
ἑβδωμάδων ἑβδωμάδων ἑβδωμάδων	35
ἑβδωμάδων ἑβδωμάδων ἑβδωμάδων	37
ἑβδωμάδων ἑβδωμάδων ἑβδωμάδων	41
ἑβδωμάδων A: ἑβδωμάδων ἑβδωμάδων ἑβδωμάδων	42
ἑβδωμάδων B: ἑβδωμάδων ἑβδωμάδων ἑβδωμάδων	46
ἑβδωμάδων C: ἑβδωμάδων ἑβδωμάδων ἑβδωμάδων	51
ἑβδωμάδων D: ἑβδωμάδων ἑβδωμάδων ἑβδωμάδων	52
ἑβδωμάδων E: ἑβδωμάδων ἑβδωμάδων ἑβδωμάδων	53











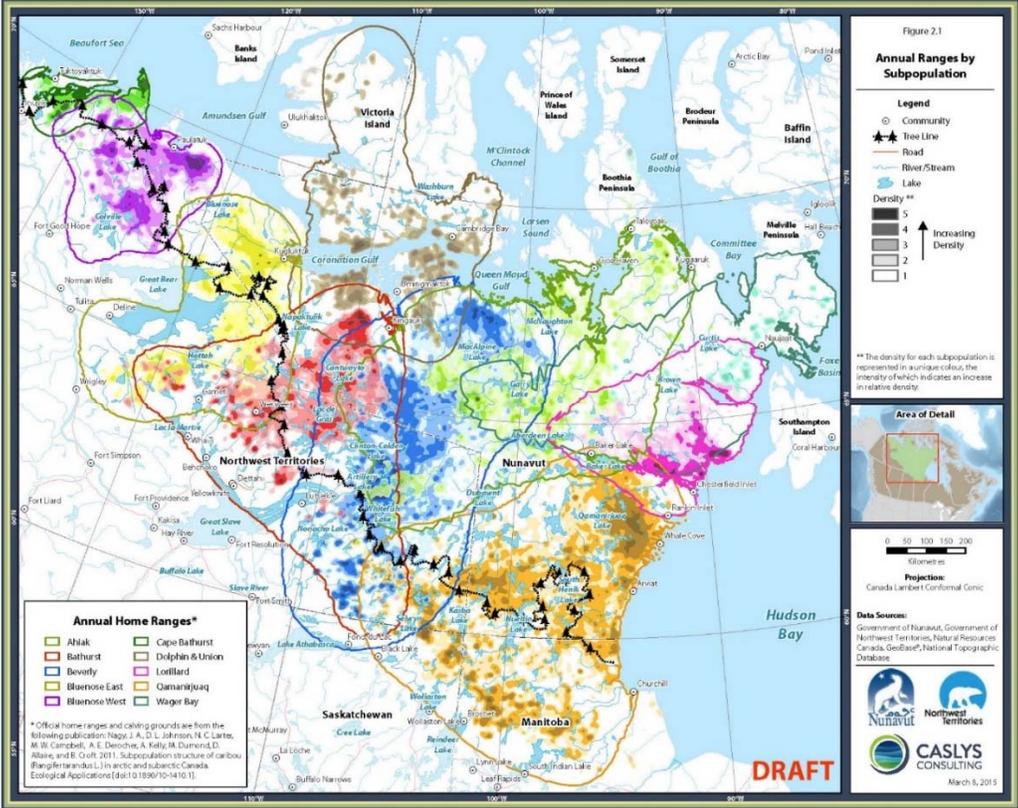






ቀረጽ ለሰሜን-ምሥራቅ አካባቢ ለሚገኙ ግንባታዎች - የደቡብ ሰሜን ስራ ተስፋ ለሚከናወኑ ግንባታዎች ጥራት ማረጋገጫ ለሚያስፈልጉት ስራ ላይ የሚሰጡት መረጃ ለሚገልጹ ነው።

አርክቲክ ኮንሰርቬሽን ስርዓት ለሚከናወኑ ግንባታዎች ለሚገኙ ግንባታዎች ተስፋ ለሚከናወኑ ግንባታዎች ለሚያስፈልጉት ስራ ላይ የሚሰጡት መረጃ ለሚገልጹ ነው።



**ሰንጠረዥ 3.** ለሰሜን-ምሥራቅ አካባቢ ለሚገኙ ግንባታዎች ለሚያስፈልጉት ስራ ላይ የሚሰጡት መረጃ ለሚገልጹ ነው።

ይህ ሰንጠረዥ ለሚገኙ ግንባታዎች ለሚያስፈልጉት ስራ ላይ የሚሰጡት መረጃ ለሚገልጹ ነው።







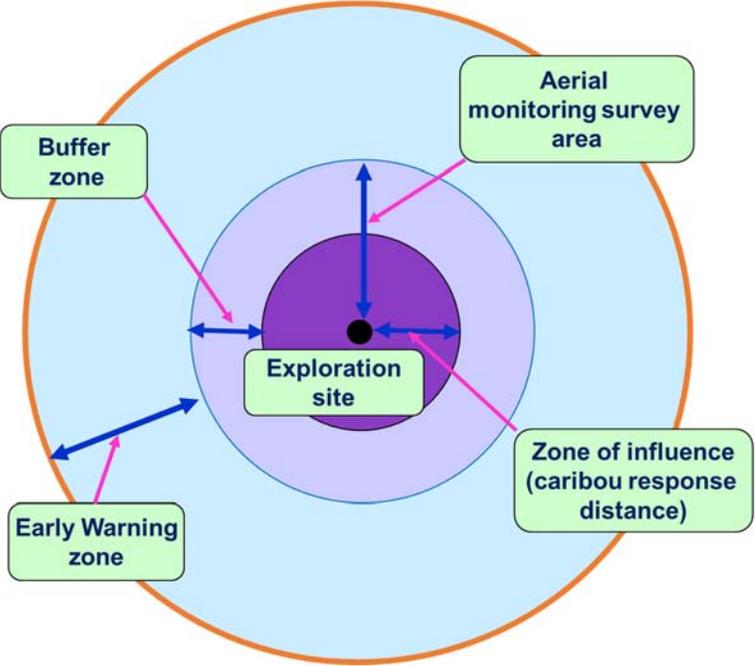




ዲፎኬሽን ስርዓት ውስጥ ድንጋጌዎች ለፍቃድ ለማግኘት የሚያስፈልጉትን ሰነዶች ለማሰባሰብ የሚያስፈልግበትን ጊዜ ለማሳደግ ለሚረዱ ሰነዶች ላይ ማስጠንቀቂያ ማቅረብ ይገባል። ይህም ለመገኘት የሚያስፈልጉትን ሰነዶች ለማሰባሰብ የሚያስፈልግበትን ጊዜ ለማሳደግ ለሚረዱ ሰነዶች ላይ ማስጠንቀቂያ ማቅረብ ይገባል።

የኮንስትራክሽን አካላት በደረሰው ጊዜ ላይ ማስጠንቀቂያ ማቅረብ ይገባል። ይህም ለመገኘት የሚያስፈልጉትን ሰነዶች ለማሰባሰብ የሚያስፈልግበትን ጊዜ ለማሳደግ ለሚረዱ ሰነዶች ላይ ማስጠንቀቂያ ማቅረብ ይገባል።

ሌሎችም ለመገኘት የሚያስፈልጉትን ሰነዶች ለማሰባሰብ የሚያስፈልግበትን ጊዜ ለማሳደግ ለሚረዱ ሰነዶች ላይ ማስጠንቀቂያ ማቅረብ ይገባል። ይህም ለመገኘት የሚያስፈልጉትን ሰነዶች ለማሰባሰብ የሚያስፈልግበትን ጊዜ ለማሳደግ ለሚረዱ ሰነዶች ላይ ማስጠንቀቂያ ማቅረብ ይገባል።



**ይዘት 8.** የኮንስትራክሽን አካላት በደረሰው ጊዜ ላይ ማስጠንቀቂያ ማቅረብ ይገባል። ይህም ለመገኘት የሚያስፈልጉትን ሰነዶች ለማሰባሰብ የሚያስፈልግበትን ጊዜ ለማሳደግ ለሚረዱ ሰነዶች ላይ ማስጠንቀቂያ ማቅረብ ይገባል።

የኮንስትራክሽን አካላት በደረሰው ጊዜ ላይ ማስጠንቀቂያ ማቅረብ ይገባል። ይህም ለመገኘት የሚያስፈልጉትን ሰነዶች ለማሰባሰብ የሚያስፈልግበትን ጊዜ ለማሳደግ ለሚረዱ ሰነዶች ላይ ማስጠንቀቂያ ማቅረብ ይገባል። ይህም ለመገኘት የሚያስፈልጉትን ሰነዶች ለማሰባሰብ የሚያስፈልግበትን ጊዜ ለማሳደግ ለሚረዱ ሰነዶች ላይ ማስጠንቀቂያ ማቅረብ ይገባል።





ዲፕሎማቲክ ስምምነት ለማሳካት ለሚያስፈልጉት ሁሉም ጉዳዮች ላይ ማስፈሰፍት ይገባል። ሆኖም ለሁሉም ጉዳዮች ላይ ማስፈሰፍት አይቻልም። ለምሳሌ (a) ለሁለተኛው ጉዳይ ለሚታወቅ ሁኔታ ላይ ማስፈሰፍት አይቻልም። (b) ለሁለተኛው ጉዳይ ለሚታወቅ ሁኔታ ላይ ማስፈሰፍት አይቻልም። (c) ለሁለተኛው ጉዳይ ለሚታወቅ ሁኔታ ላይ ማስፈሰፍት አይቻልም።

ለአስተዳደር ጉዳይ ላይ ማስፈሰፍት ለማሳካት ለሚያስፈልጉት ሁሉም ጉዳዮች ላይ ማስፈሰፍት ይገባል። ሆኖም ለሁሉም ጉዳዮች ላይ ማስፈሰፍት አይቻልም። ለምሳሌ 1) ለሁለተኛው ጉዳይ ለሚታወቅ ሁኔታ ላይ ማስፈሰፍት አይቻልም። 2) ለሁለተኛው ጉዳይ ለሚታወቅ ሁኔታ ላይ ማስፈሰፍት አይቻልም። 3) ለሁለተኛው ጉዳይ ለሚታወቅ ሁኔታ ላይ ማስፈሰፍት አይቻልም። 4) ለሁለተኛው ጉዳይ ለሚታወቅ ሁኔታ ላይ ማስፈሰፍት አይቻልም። 5) ለሁለተኛው ጉዳይ ለሚታወቅ ሁኔታ ላይ ማስፈሰፍት አይቻልም። 6) ለሁለተኛው ጉዳይ ለሚታወቅ ሁኔታ ላይ ማስፈሰፍት አይቻልም።

**በጠናቀቅ ላይ የሚታወቁ ሁለት ጉዳዮች ላይ ማስፈሰፍት ይገባል። ሁለተኛው ጉዳይ ላይ ማስፈሰፍት አይቻልም።**

ሁለተኛው ጉዳይ ላይ ማስፈሰፍት ለማሳካት ለሚያስፈልጉት ሁሉም ጉዳዮች ላይ ማስፈሰፍት ይገባል። ሆኖም ለሁሉም ጉዳዮች ላይ ማስፈሰፍት አይቻልም። ለምሳሌ ሁለተኛው ጉዳይ ላይ ማስፈሰፍት አይቻልም።

ሁለተኛው ጉዳይ ላይ ማስፈሰፍት ለማሳካት ለሚያስፈልጉት ሁሉም ጉዳዮች ላይ ማስፈሰፍት ይገባል። ሆኖም ለሁሉም ጉዳዮች ላይ ማስፈሰፍት አይቻልም። ለምሳሌ ሁለተኛው ጉዳይ ላይ ማስፈሰፍት አይቻልም።







































- የዋናውን ስርዓት ለማሰባሰብ ለሚያስፈልጉ ሰዎች ለሚሰጡ ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።
- ሌሎችም ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።
- ሌሎችም ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።
- ሌሎችም ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።

7. ለውጭ ገቢ ማግኘት

- ለውጭ ገቢ ማግኘት ለማድረግ ለሚያስፈልጉ ሰዎች ለሚሰጡ ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።
- o ለውጭ ገቢ ማግኘት ለማድረግ ለሚያስፈልጉ ሰዎች ለሚሰጡ ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።
- o ሌሎችም ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።
- o ሌሎችም ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።

8. ለውጭ ገቢ ማግኘት ለማድረግ ለሚያስፈልጉ ሰዎች ለሚሰጡ ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።

- ለውጭ ገቢ ማግኘት ለማድረግ ለሚያስፈልጉ ሰዎች ለሚሰጡ ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።
- ሌሎችም ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።

9. ለውጭ ገቢ ማግኘት ለማድረግ ለሚያስፈልጉ ሰዎች ለሚሰጡ ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።

- ለውጭ ገቢ ማግኘት ለማድረግ ለሚያስፈልጉ ሰዎች ለሚሰጡ ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።
- ሌሎችም ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።
- ሌሎችም ማረጋገጫ ሰነድ ማረጋገጥ ይቻላል።

## ለኔሲገባቸው

ርዕድ ሲሆኑ ሁሉምም የግድም ልሽተኝ አሰጣጥ ለግድም ገንዘብ ለማግኘት ለሚችሉ ሁሉም ሰው ለመብታቸው ይህ ልሽተኝ ስርዓት ለሁሉም ሰዎች ሊኖረው ይገባል። ለኔሲገባቸው ገንዘብ ለማግኘት ለሚችሉ ሁሉም ሰው ለመብታቸው ይህ ልሽተኝ ስርዓት ለሁሉም ሰዎች ሊኖረው ይገባል። ለኔሲገባቸው ገንዘብ ለማግኘት ለሚችሉ ሁሉም ሰው ለመብታቸው ይህ ልሽተኝ ስርዓት ለሁሉም ሰዎች ሊኖረው ይገባል። ለኔሲገባቸው ገንዘብ ለማግኘት ለሚችሉ ሁሉም ሰው ለመብታቸው ይህ ልሽተኝ ስርዓት ለሁሉም ሰዎች ሊኖረው ይገባል።

ለሰዎች ለማግኘት ለሚችሉ ሁሉም ሰው ለመብታቸው ይህ ልሽተኝ ስርዓት ለሁሉም ሰዎች ሊኖረው ይገባል። ለኔሲገባቸው ገንዘብ ለማግኘት ለሚችሉ ሁሉም ሰው ለመብታቸው ይህ ልሽተኝ ስርዓት ለሁሉም ሰዎች ሊኖረው ይገባል። ለኔሲገባቸው ገንዘብ ለማግኘት ለሚችሉ ሁሉም ሰው ለመብታቸው ይህ ልሽተኝ ስርዓት ለሁሉም ሰዎች ሊኖረው ይገባል። ለኔሲገባቸው ገንዘብ ለማግኘት ለሚችሉ ሁሉም ሰው ለመብታቸው ይህ ልሽተኝ ስርዓት ለሁሉም ሰዎች ሊኖረው ይገባል።











# Challenges

compliance w/ protection measures is underfunded

CHALLENGE  
Existing mineral claims in areas that should be protected

challenge to demonstrate cause → effect (see Cameron et al)

HTOs lack staff & technical expertise to participate in screenings, etc.

How can we best integrate results from collar data with IQ?  
How can we bring both together?

not 'one size' fits all - need some flexibility adaptability

How to access IQ/TEK  
↳ not always written down (oral tradition)

Conflict: Inuit want to protect but also may want to develop on I.O.L.s

correlation vs. cause

healthy habitat = healthy populat<sup>ns</sup>  
BUT interactions w/ spp changing env changing hum land use

-enforcement

Youth not following trad. rules about caribou.

What gives?  
Are there 2 sets of rules:  
one for Inuit  
one for Industry  
re caribou areas

## How can calving grounds be protected?

GN fully supports protect<sup>n</sup> on calving grounds (core vs. env important)

How can we protect caribou?  
A: Exclude development on calving grounds  
complete develop<sup>ment</sup>

DPM mobile do not protect calving grounds

If you allow explorat<sup>n</sup> on calving grounds, you are saying 'yes' to development.

What happens when development happens on distal calving grads → see Griffiths et al.

How do we accommodate changes in calving grounds?

need to define and decide on calving vs. post calving workshop

Q: Did you find any scientific studies of physical displacement fr. mining dev on calv. grounds

## How can key caribou habitat be protected?

Rules re crossings can inform rules re calving grounds

water crossings imp<sup>t</sup>.  
⇒ needs updating

What habitat protection is in place in 'special areas'?

Is it possible to use results of historical surveys and/or TK to delineate calving grounds? or only use collar data?

Two main ecotypes  
1) Mainland migratory  
2) Tundra wintering  
→ Can some recommendations apply to both?

Careed fathering  
Need to stop exploration in calving grounds  
If you let exploration How can you say that the company can't develop??

## What actions need to be taken to better manage caribou?

- Are there invest in marking all areas?
- proposals must be risk sensitive
- Need to consider what is happening in other areas/jurisdictions
- Caribou need shared management → cross boundary
- Triggers for review (via MRR) re permit applics not necessarily relevant to caribou (ie man hrs, fuel storage)
- We have to do something → doing nothing is still a decision
- seems like our own orgnizations are not doing our job → need somebody to blame
- duty to consult - wrt development on calving grounds - judicial review
- Disconnect between RWOs/HTOs and RIAs → Need a communications plan
- How are we going to turn these good intentions into something real??
- inadequate notice
- proper disclosure
- adequate time to respond

## How should caribou be monitored? By who?

- monitoring @ dvlpmnt is responsibility of company (w/ regulator & comm)
- Lots of lawsuits along migration route / at water crossings. Can we incorporate into monitoring?
- measures need to be monitored regularly - are they effective?
- Monitor 3 zones surveillance - outer 2 zones are info
- follow decision tree
- When antles fall they should be left alone. Lets younger generation know caribou were here.
- Whose responsibility is it for monitoring of CPM?
- Collars give you current info. Need IQ for trend over 100's years.
- popn size - popn structure - growth rate - health - distrb + hab use
- Q. How is harvest monitored in the NWT? A - Land claim harvest studies, monitoring comm. statistics
- AAANDC and DIOs checks for permit compliance

## MPBILE CONS MSRS

- buffer areas around protected areas? (E.L.)
- critical → calv pre Exlv cautious - for calv - snow fallers not late fall winter low risk
- flexible predictable adaptable and monitoring adapt to susceptibility
- susceptibility (durat of exposure) & risk
- Is there sufficient resources for monitoring mobile caribou protection measures? Funding not cut in the past for all CPM
- sensitivity varies w herd dispersal, composition, season, insets, weather
- Sahtu Pilot Project - winter range - Bluenose east field test

## Protected Areas

- collars alone wont monitoring would have caused unneces shutdowns plus openings
- How do you keep up to date with calving area boundaries (calving areas shift) → Consult to Protected Areas 100% protection
- (promoted areas) is mapping of calving up to date and reliable? How do you address mapping issue?
- caribou concern areas designated → monitoring
- concerns about fixed areas in CPM
- protected areas in LUP versus large national parks etc. (caribou vs. designated)

## Caribou Protection Measures

- Need to find a balance between protected areas and protection resources
- Caribou protection msrs vs. conservation msrs
- Original CPM from 1970s conflict Baker Lake and AAANDC → AAANDC? SACMB (proposed)
- Is dust causing the ZOI? → seems correlated How to assess dust??
- 2000 Assessment of CPM - unknown protectr - caribou protected vs. habitat
- mapped areas 1) site monitoring 2) mitigation
- 2007 Assessment of CPM - WPA am calv grids w/in CPA - timing varies year to year
- Existing CPM in Nunavut - Keelewa LUP - N Baffin LUP - West Kit LUP
- would have been required to US projects - CPM but 0 monitoring 100% of projects ended - no independent data on compliance

# Recommend

Project Specific  
Recommendat<sup>n</sup>s  
-seasonal / sensitive  
-timing distances  
-setback  
-shutdown operat<sup>s</sup>

Recommendat<sup>n</sup>s <sup>Plan</sup>  
-seasonal / timing  
-restrict<sup>n</sup>s  
-disturbance thresholds  
-access mgmt  
-protected areas

Recommendation:  
Mining exploration  
Should not  
be allowed in  
Caribou Calving  
ground

Temporary  
ban on mining  
expl. until LUPs  
signed

Dynamic  
management  
System  
↳ caribou pop.  
cycle

Recommendat<sup>n</sup>s  
re Habitat  
-consider multiple  
scales  
-critical hab. may  
be more than calving  
sites should be remediated

Recommendat<sup>n</sup>s re  
Designated P.A.  
-protect highest quality  
-expand existing  
-diff herds → diff needs  
-variati<sup>n</sup> betw'n  
years

Should Consider  
the Special  
management Area  
Option

balance:  
protected areas  
protection  
measures

Don't be  
afraid to  
challenge one  
another

need better  
communication  
↳ happenings on range  
GNWT → GN  
(eg. activity on  
calving grounds)

Consider  
recommendat<sup>n</sup>s,  
conditions  
vs. guidelines

-protection desig.  
should be tied  
to \$ for ongoing  
research

We need to  
get going... to  
do something

Include other  
groups (eg Thicho  
in caribou  
discussions)

Mark all  
crossings with  
inuksuit  
ACTION

post-calving is  
also important

More resources  
needed for HTOs  
to participate in  
discussions on  
Protection

Important to  
communicate the  
principles of IQ

⊙ mining  
25 km away  
from crossings

-speak it  
loud

IQ says mining  
should be banned  
on calving grounds  
and crossings  
(Baker Lake)

Mining inconsistent  
with trad. rules  
⊙ crossings

Caribou sensitive  
to disturbance at  
crossings → rules  
about respecting  
these areas

Work on telling  
our communities  
the benefits of  
collar data  
(Baffin)

Don't hunt first  
caribou →  
respect caribou

big picture  
approach  
(all stages /  
seasons)

Elders  
↓  
RWOs  
↓  
no mining on grounds

Caribou have strong ability to adapt

Misc.

Caribou 'run away' from predators & this has an influence on movement

Snow is hard like ice around Mary River - no more rabbits around move bc no more food 1997/98 - caribou & muskox & other spp. came

History of not supporting projects until areas are protected for crossings, calving areas

calving grids and migration routes easier to define for mainland migratory 'bou

How does one control vehicles @ crossings?

stop blaming → has to change

They can run across roads but they are blocked in their migration

They run along, they never stop

We can't explain what happens in the Baffin based on the mainland

Measure 201 to summer range (i.e. not during spring, drive to migrate)

Knowledge of Caribou is related to when you were born

Elders forbid caribou would avoid a crossing and this came true

Can we use results from aerial surveys from 1970s etc.?

Can we increase wolf harvest? A Very political. Under discussion "Stay tuned"

Are there areas in Nunavut that have already been influenced by wildlife (e.g. Yukon) ↓

Broaden our definition of human disturb? (many factors?)

Caribou remember disturbance for a long time (eg 7/8 yrs for Agnico around Baker Lake)

EMERGENCY RESPONSE PLAN

Caribou are being disturbed by human activities

Caribou are being disturbed by human activities

Caribou are being disturbed by human activities

Follow Up

Are there enough Inuit here today for Inuit Qaujimajatuqatit to be discussed?

What can we learn from other jurisdictions

Wildlife Act Special management Areas → Need IIBA?

Are Inuit being adequately consulted by AANDC on proposed development exploration?

What do we do about 'grandfathering' activities? # spent on exploration → can lead to devp

Spring migration  
↳ Strong directional movement  
↳ They will get there on their own schedule  
↳ Takes a lot to get in the way











