

Mobile Caribou Conservation Measures



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Caribou and their Habitat
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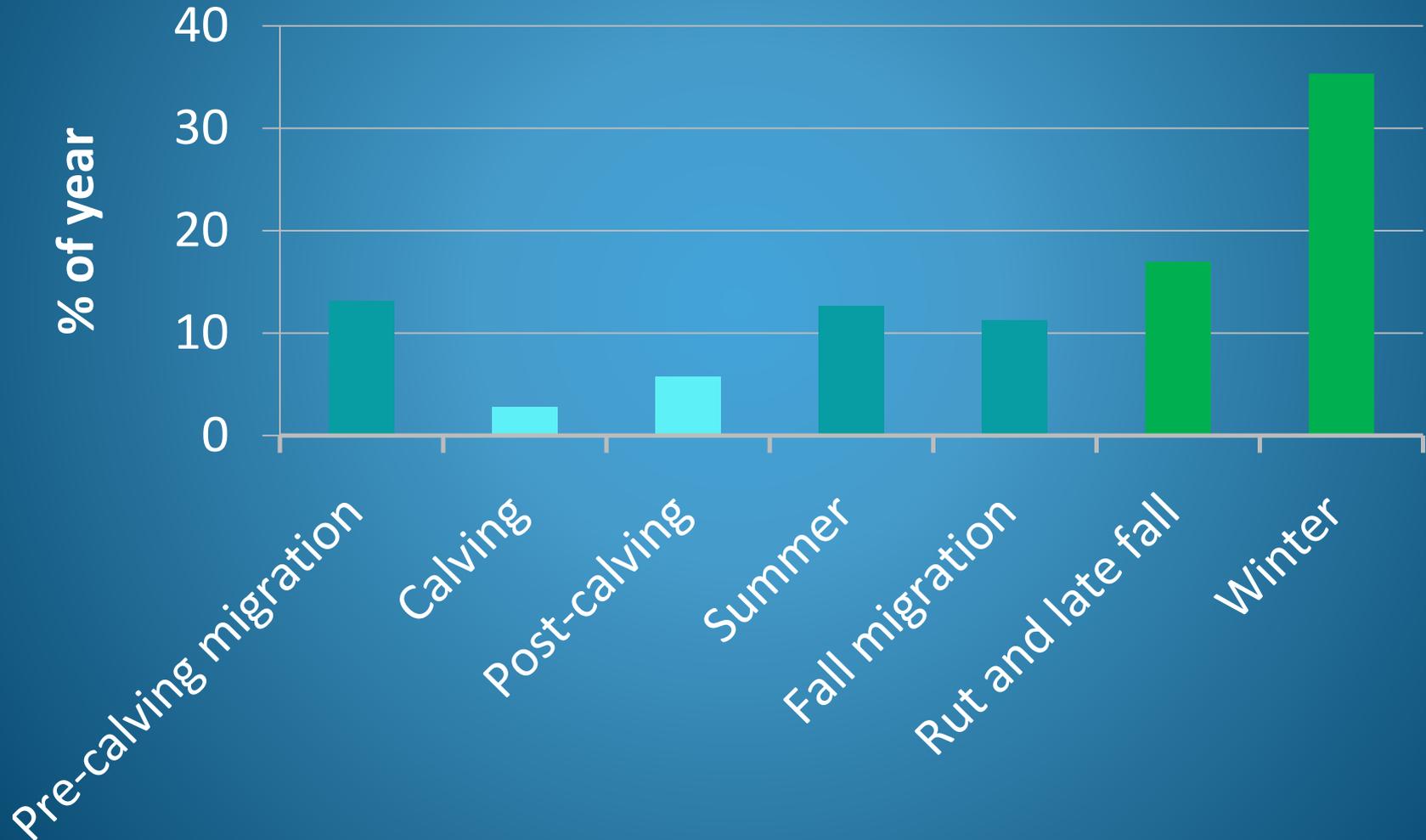
Why mobile measures?



When needed – when caribou are susceptible to disturbance



Duration of exposure (susceptibility) of caribou



What are Mobile Caribou Conservation Measures?



- Flexible
- Predictable
- Adaptable

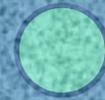
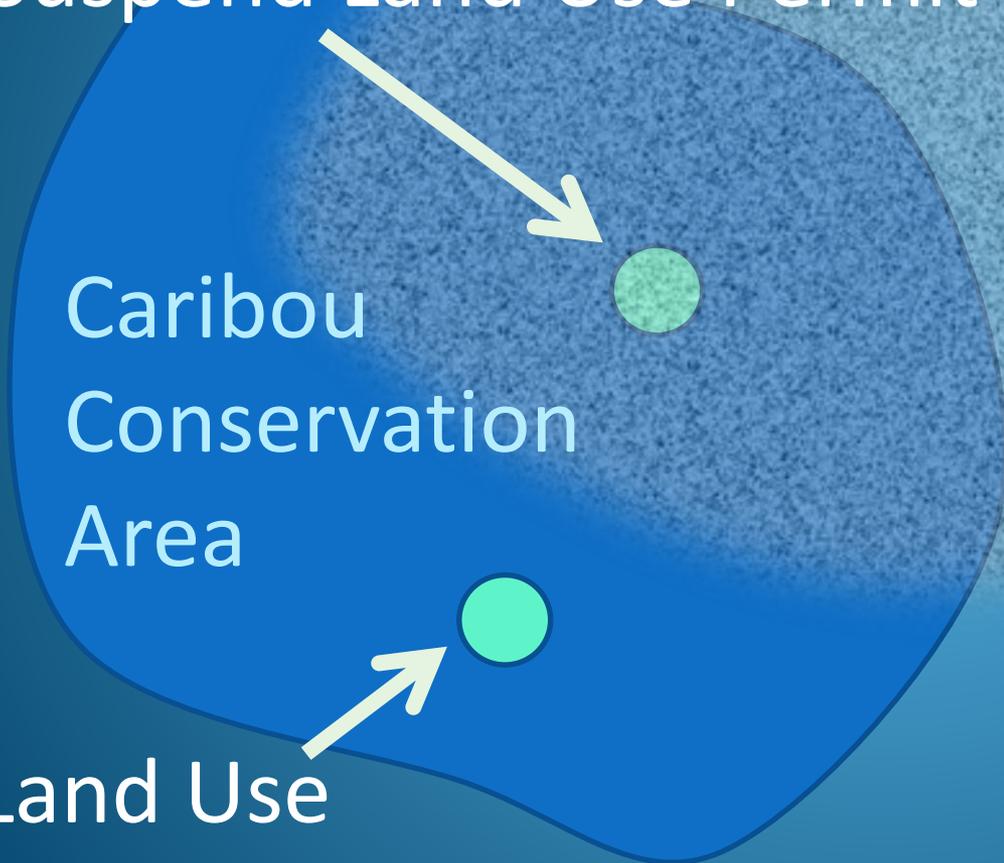
What are Mobile Caribou Conservation Measures?

1. Mapped area - likelihood of encountering caribou
2. Site monitoring - caribou presence and movements
3. Mitigation to reduce effects

Caribou Conservation Areas

Suspend Land Use Permit

caribou



Suspend Land Use Permit



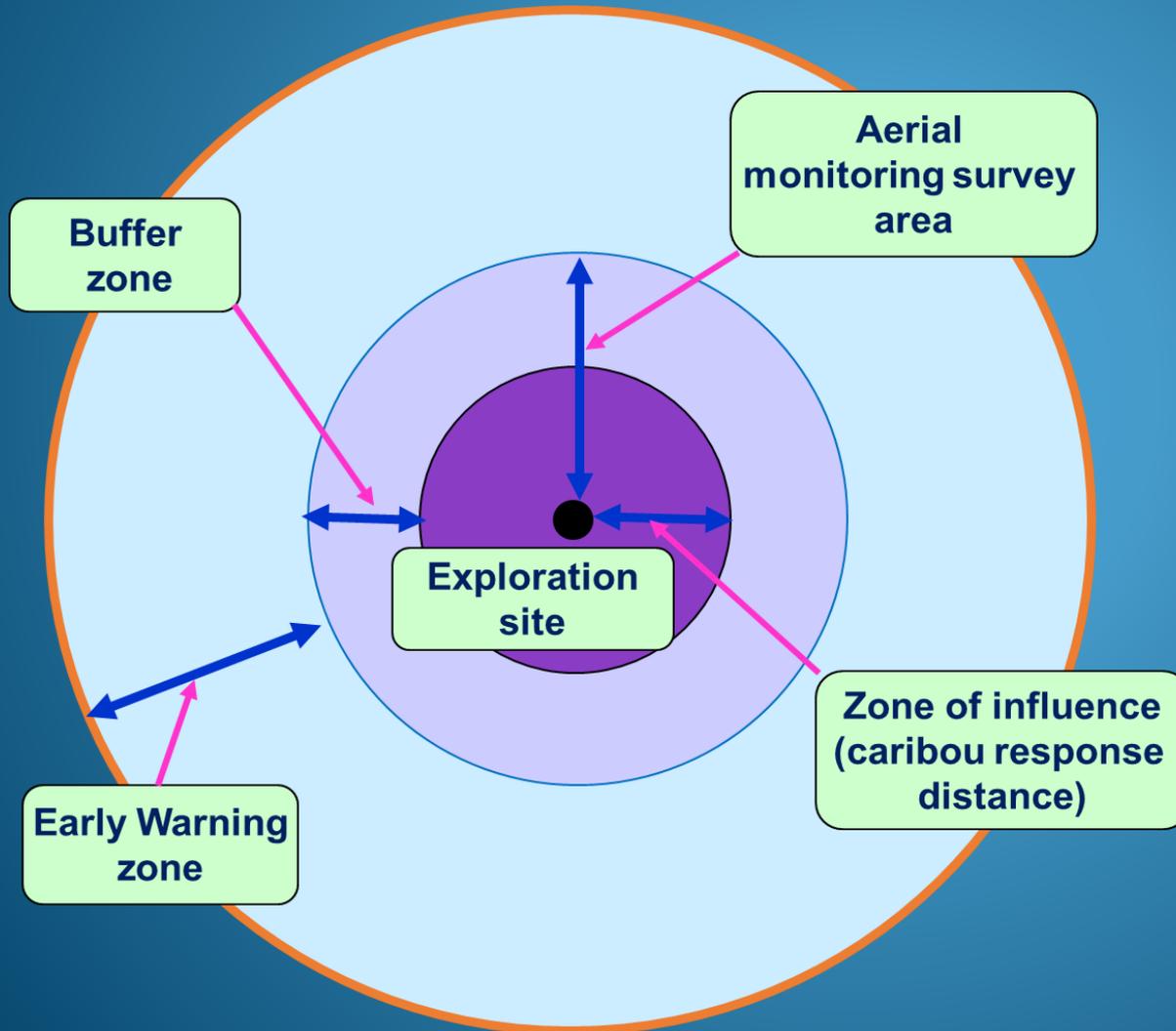
Land Use Permit release

Land Use Permit release

Monitoring



Monitoring



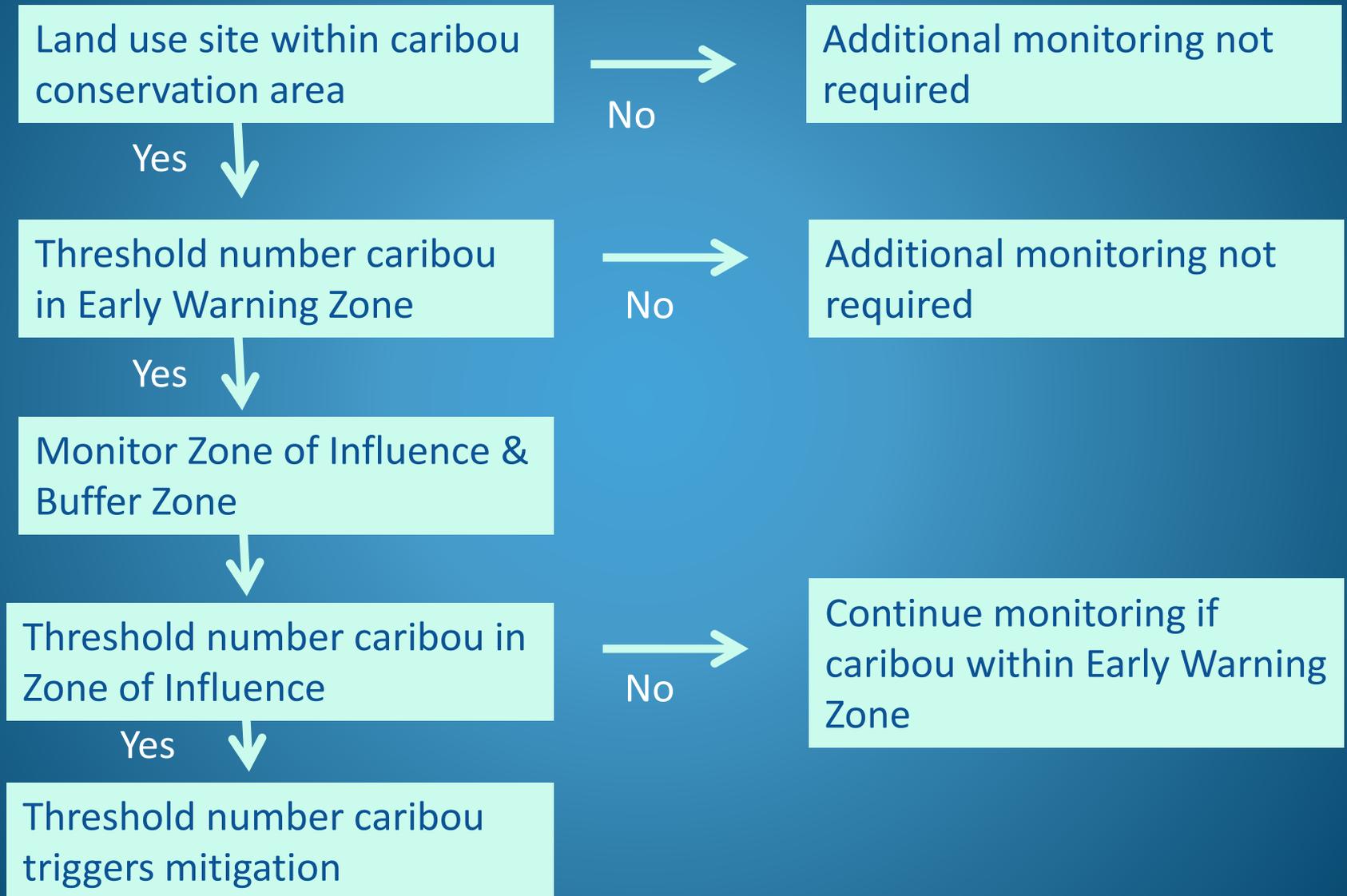
- 3 zones
- Surveillance around site
- Outer 2 information zones

Monitoring



- Larger zones during faster daily movement
- Thresholds for number of caribou to trigger mitigation

Decision Tree



Mitigation



- Avoid
- Minimize
- Adaptable

Water Crossings



- “Designated” from the late 1970s
- Update required

Mobile Caribou Conservation Measures Summary



- Flexibility
- Predictable rules
- Adaptable
- Link monitoring and mitigation with caribou susceptibility

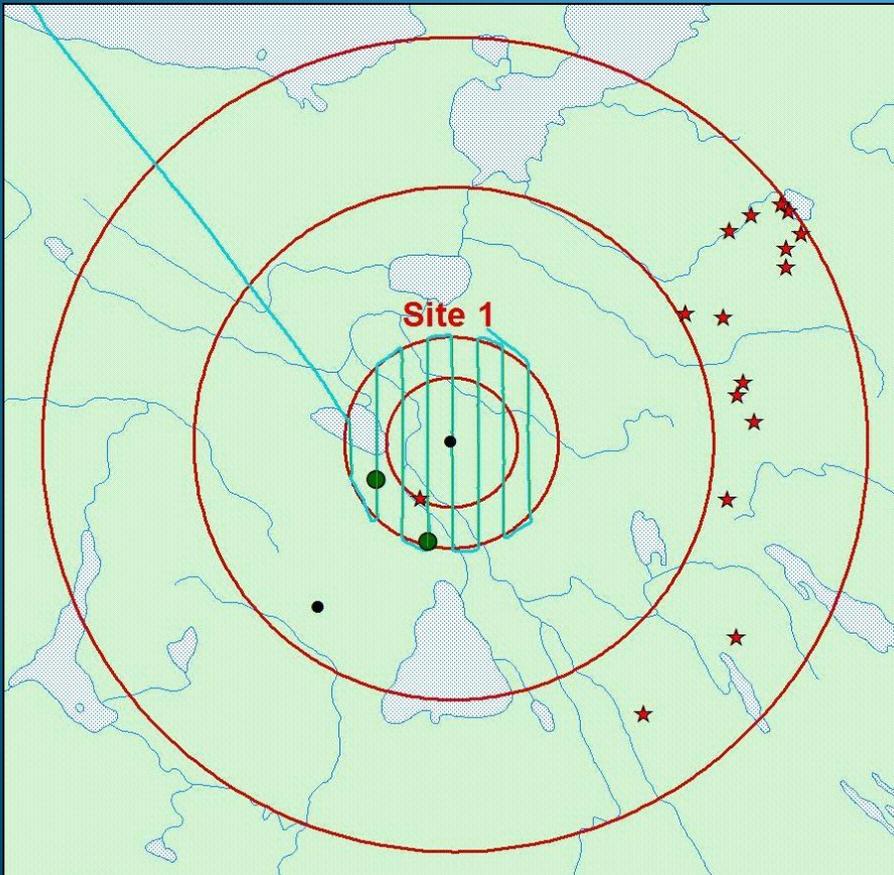
Sahtu Pilot Project



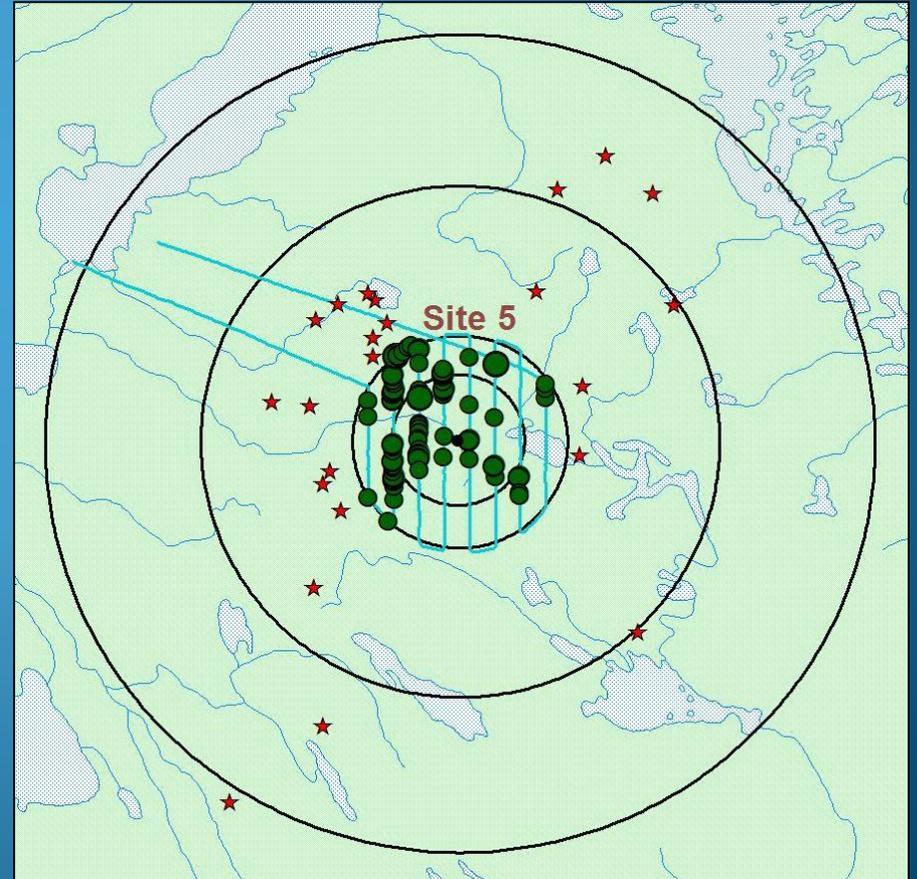
- Operational test of aerial monitoring

Sahtu Pilot Project

No Action



Suspension



Sahtu Pilot Project



- Zones and aerial surveys effective for site-specific information to land use managers

Calving

1 collar or 10 caribou within 50 km
Early Warning Zone

↓ Monitor

20 caribou within **15 km** Buffer Zone

Monitor; potential for mitigation



5 caribou in
10 km ZOI

10 caribou in
10 km ZOI



Suspend
flights and
ground ops
within **24 hrs**



Close camp
within **24 hrs**

Winter

5 collars or 50 caribou within 30 km
Early Warning Zone

↓ Monitor

100 caribou within **10 km** Buffer Zone

Monitor; potential for mitigation



25 caribou in
5 km ZOI

50 caribou in
5 km ZOI



Reduce
ground ops
within **48 hrs**



Suspend
ground ops
within **72 hrs**