

Meliadine Project

Saline Effluent Discharge to Marine Environment

TERRESTRIAL WILDLIFE



PRESENTATION OVERVIEW



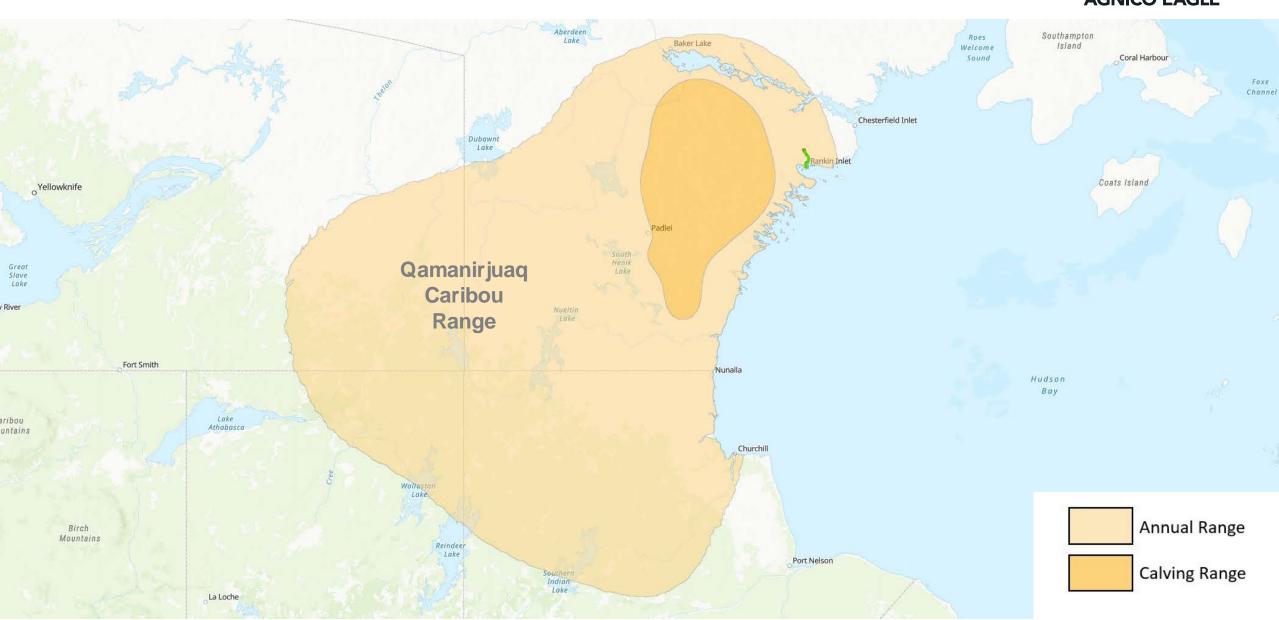
- Caribou Management
- Monitoring and Mitigation Plans
- Questions





QAMANIRJUAQ CARIBOU RANGE





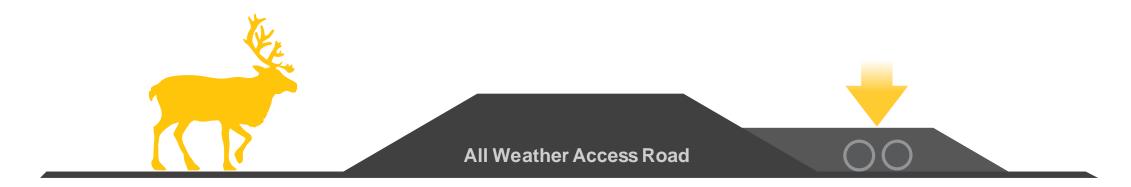
CARIBOU MITIGATION



COVERING

 Agnico Eagle will cover 80-90% of the waterlines and monitoring of caribou interactions with the AWAR and waterlines will be completed following the TEMMP

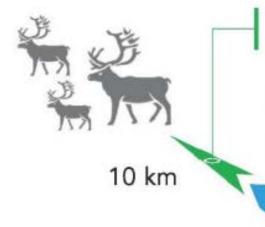
Cover the waterlines into the roadside to help caribou cross.



TEMMP MONITORING







Level 1

- On-going monitoring throughout the year using collaring program data
- Trigger: 50+ caribou within 10km of Meliadine
- Monitoring: Ground survey every 2 days and review of satellite collar information 2x/week
- Mitigation: Daily site-wide warnings (including KIA, HTO, GN)
- Duration: 5 days or until Level 2 is reached (caribou within 5km of Meliadine)

Level 2

- Trigger: Less than 50 caribou are within 5km of Meliadine
- Monitoring: Ground survey every 2 days and review of satellite collar information 2x/week
- Mitigation: daily site-wide warnings about caribou.
 Environmental Supervisor may add more measures,
 i.e. stopping work, depending on caribou distribution/proximity, etc.
- Duration: 10 days or when Level 3 starts or when caribou pass outside 5 km

Level 3

- Trigger: 50+ caribou within 5km of Meliadine
- Monitoring: ground survey 3x/day and review of satellite collar information min. 2x/week
- Mitigation: daily site-wide warnings (3x/day) about caribou. Work suspension protocol begins.
- Duration: until caribou pass outside 5 km

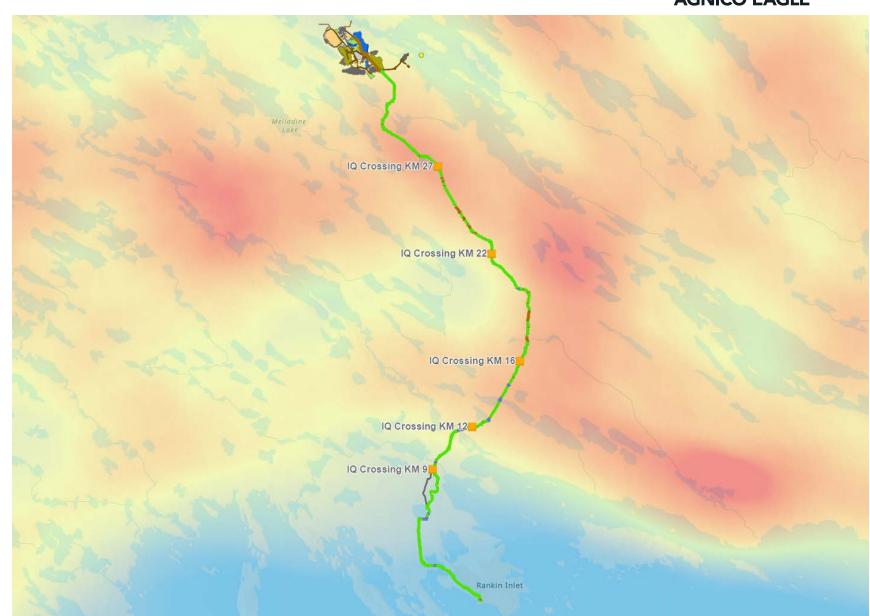




IQ CROSSINGS AND GOVERNMENT SATELLITE COLLARS



- Agnico use data from government satellite collars.
- Examines where and when caribou cross the road/waterline.

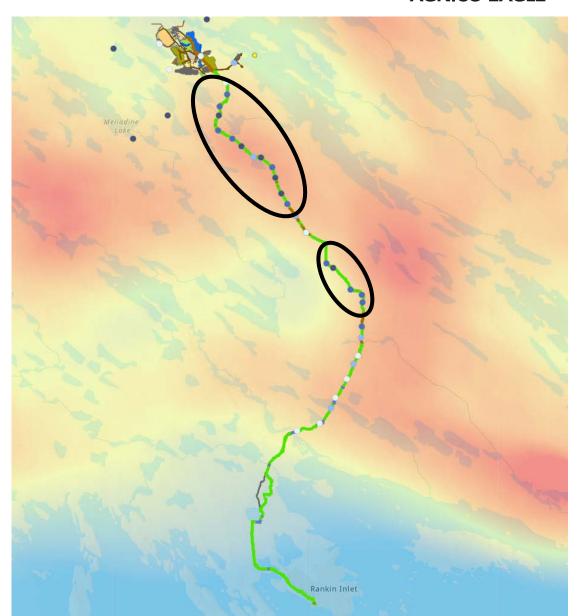


TRAIL CAMERAS

AGNICO EAGLE

Trail cameras (30) have been placed along the AWAR during June to identify any other locations where caribou may cross.





WATERLINE COVER DESIGN



Agnico Eagle is using trail cameras to study whether the material used to construct the road affects where caribou cross the road.

We will use the results of this study to design the waterline covering.





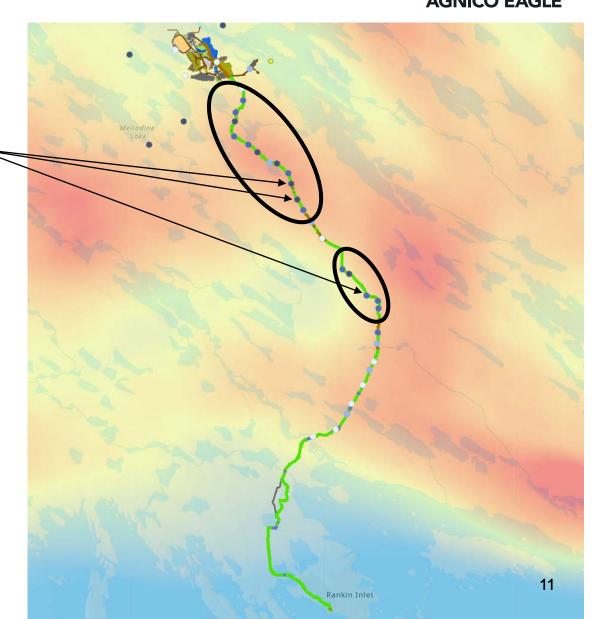
ROAD SURVEYS

AGNICO EAGLE

Road Surveys are conducted every day when caribou may be on site (June).

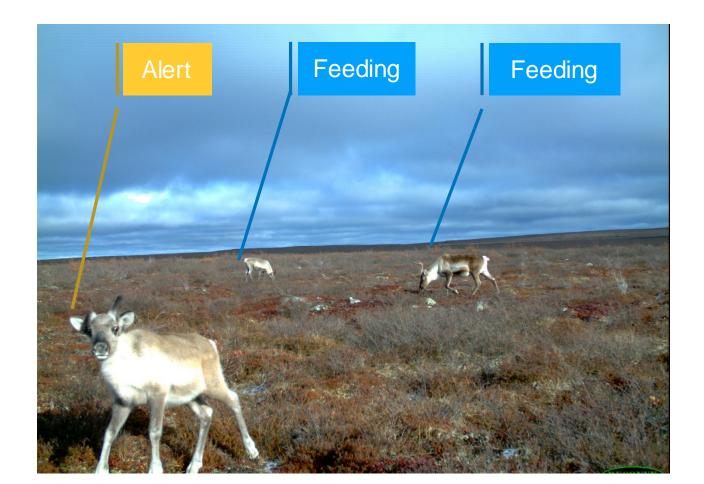
These surveys have identified several locations that are commonly used as crossings (16, 24, 25 km).

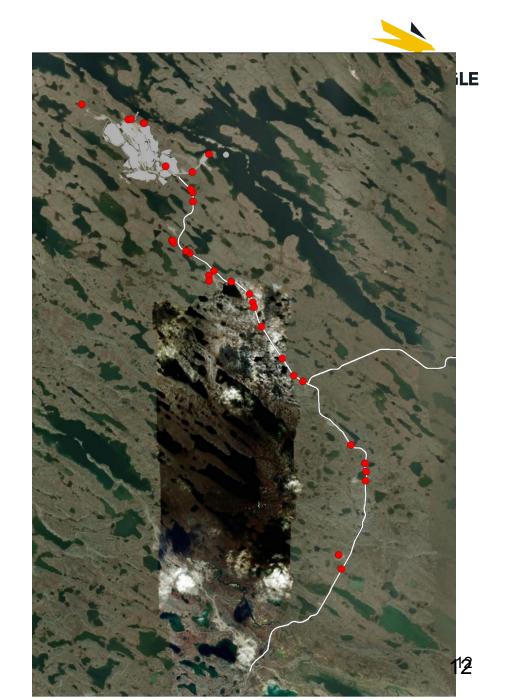




CARIBOU BEHAVIOUR MONITORING

Behaviour Surveys are conducted whenever groups of caribou are observed near the site – largely in June. Standard scan sample methods from GNWT are used. 2020 monitoring locations are displayed in red on the right.





MONITORING – CARIBOU OCCURANCE



Height of Land Surveys are conducted to identify where groups of caribou are (the white polygons) and whether they are within 5 km of site (circles).

