AGNICO EAGLE

Meliadine Project
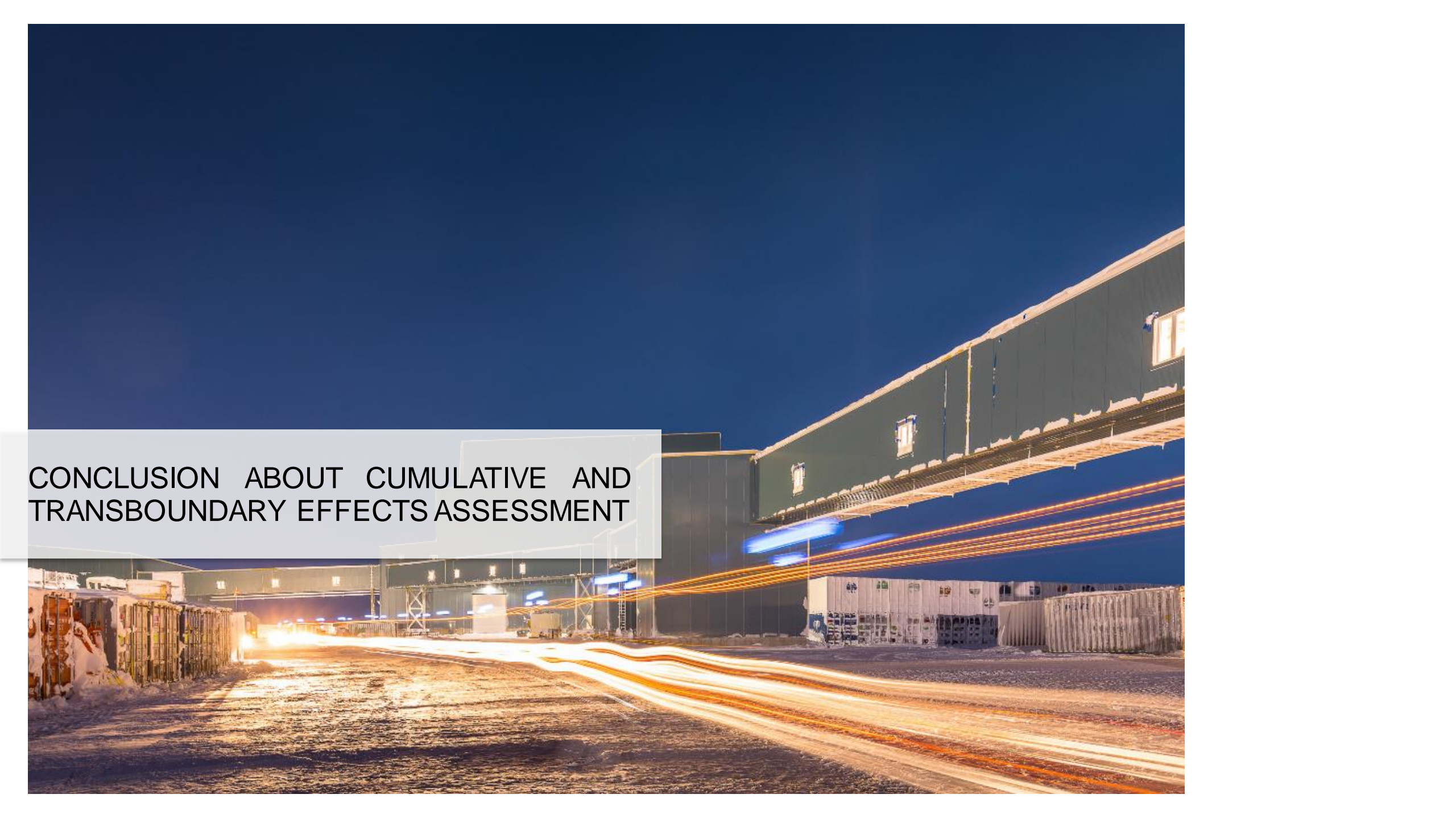
Saline Effluent Discharge to Marine Environment

CUMULATIVE AND TRANSBOUNDARY EFFECTS ASSESSMENT

PRESENTATION OVERVIEW

- Conclusion about cumulative and transboundary effects assessment

- Questions

CONCLUSION ABOUT CUMULATIVE AND TRANSBOUNDARY EFFECTS ASSESSMENT

PROJECT APPLICATION

- Baseline Characterization

  - Approved Project consists of operational underground mine, open pits, waste rock storage area, camp, All-Weather Access Road (AWAR) and additional associated infrastructure

  - AWAR built on previously existing ATV/Skidoo trail used by community members for traditional land use

  - Traditional land use (e.g., hunting, berry picking, fishing, cabin use) still occurs in the area and community members use the AWAR

  - Caribou, on average, spend 11 days within and near the LSA over the course of the year, which represents 3% of the year

- Potential Effects

  - Disruption/Alteration to caribou movements from the waterline (2 x 16" lines) Project as the addition of the waterline may contribute to the AWAR as a semi-permeable visual/physical barrier to caribou movement across the AWAR and the waterlines. Low magnitude, low duration and localized spatial effect.

    - Mitigation – 80-90% of waterline will be covered with fine-grained esker material to allow caribou passage

  - Sensory disturbance from construction activities when caribou are present

    - Mitigation – Caribou from the Qamanirjuaq herd interact with the Project for an average of 11 days of the year, with the majority of these observations coming within the first two weeks of July. Construction will be timed to avoid this sensitive period.

CONCLUSIONS

- Caribou interaction with the Project has a low residual effect duration, low magnitude and is localized spatially
- Mitigation of covering the waterline is anticipated to be highly effective in terms of facilitating caribou passage over the waterline
- Consequently, there are no foreseen cumulative effects or transboundary effects as a result of the Project on caribou

QUESTIONS?