Appendix 36

Meadowbank and Whale Tail
2025 Wildlife Monitoring Summary Report

REPORT

Agnico Eagle Mines Limited

Agnico Eagle Mines Limited – Meadowbank Complex

2025 Wildlife Monitoring Summary Report

March 2026

CA0055337.7557_Rev1

Distribution List

1 Electronic Copy - Agnico Eagle Mines Limited

1 Electronic Copy - WSP Canada Inc.

Executive Summary

As a requirement of the NIRB Project Certificate, the 2025 Wildlife Monitoring Summary Report (2025 Annual Report) represents the 20th of a series of annual reports for the Agnico Eagle Mines Limited (Agnico Eagle) Meadowbank Complex (the Project). Baseline and monitoring programs were first initiated in 1999 and will continue through the life of the Project. Details of the wildlife monitoring program for the Project are provided in the Terrestrial Ecosystem Management Plan (Version 9, Agnico Eagle 2025a). The 2025 Annual Report provides the monitoring objectives, methodology, historical and current year results, mitigation activities, and management recommendations for each monitoring program. The 2025 Annual Report builds on data presented in previous reports and incorporates monitoring recommendations from these reports, as well as recommendations and requests from intervenors on past reports made during the NIRB review process. Below is a summary of the results from each component of the 2025 Annual Report.

Caribou Management Decision Tree

- Decision trees were used throughout 2025 to reduce sensory disturbances to caribou approaching the Project.
- Data collection methods connected individual observations to mitigations using field tablets linked to a customizable EQuIS Collect database. Paper data forms were also carried as backup in case of field tablet issues. Most mitigations were based on data from road survey observations, with some derived from other survey types, including pit and mine site ground surveys.
- The objective is not linked to an impact prediction as the monitoring is to trigger mitigation rather than to test a prediction.

Road Surveys

- In 2025, 216 road surveys were conducted along the All-weather Access Road (AWAR) and 224 were conducted along the Whale Tail Haul Road (WTHR).
- A total of 20,553 caribou were detected along the AWAR during road surveys and 33,108 caribou were detected along the WTHR during road surveys.
- Road-related monitoring and mitigation for the AWAR and WTHR were implemented according to decision tree Figures 7 and 8 of the TEMP version 9 (Agnico Eagle 2025). The AWAR was fully closed (24-hour closure) on 56 days, closed for less than 24 hours on 74 occasions, and had speed restrictions applied for 41 days. In total the AWAR was closed for 2,156 hours in 2025. The WTHR was fully closed (24-hour closure) on 43 days, partially closed (less than 24-hour closure) on 25 days and had speed restrictions applied for 20 days. The WTHR was closed for 1,660 hours. In addition to the GST related caribou closures, there was also a lead caribou 10-day closure for the WTHR.
- A total of 6,981 caribou were observed crossing the AWAR and 3,540 caribou were observed crossing the WTHR in 2025.
- There were 14 road-related mortalities recorded in 2025, including 1 caribou, 2 Arctic fox, 7 Arctic hare, 1 Arctic ground squirrel, 2 ptarmigan, and 1 unidentified small mammal (Arctic fox or Arctic hare). There was one caribou road-related mortality that took place on the WTHR on 14 February 2025. There were no road-related grizzly bear, muskox, wolf, or wolverine mortalities associated with the AWAR or WTHR in 2025.

- The 2025 AWAR and WTHR survey data were compared to the impact prediction thresholds, and none were exceeded.

Pit and Mine Site Ground Surveys

- In 2025, environment personnel conducted regular Mine site inspections focusing on waste management, spills, hazardous waste management, and wildlife monitoring. Formal Mine site inspections were carried out at least weekly as part of broader environmental on-site management.
- In 2025, Mine-site ground survey inspections were conducted on average twice or thrice per week. Meadowbank had a total of 155 formal Mine and Pit surveys conducted between 5 January and 30 December (approximately one survey every 2.35 days). Whale Tail had a total of 118 formal Mine and Pit surveys conducted between 4 January and 27 December (approximately one survey every 3.09 days).
- Wildlife deterrents were used on 33 occasions in 2025, with interactions from four species of mammals: caribou, muskox, wolf, and wolverine. Of the 33 deterrence actions taken, 29 were classified as successful deterrence and 4 were classified as unsuccessful deterrence.
- In 2025, there were three Project-related mortalities (one wolf and two Arctic fox) at Meadowbank, and five Project-related mortalities (three Arctic fox and two wolf) at the Whale Tail Mine. The project-related predator (i.e., grizzly bear, wolverine, and wolf) mortality threshold was exceeded in 2025.

Wildlife Habitat Monitoring

- A 1% change (9.4 ha) in footprint at the Whale Tail site and WTHR occurred between the 2024 assessment and the 2025. There was a less than 1% change (0.2 ha) in the Meadowbank footprint between 2024 and 2025. For the AWAR and associated quarries, a footprint increase of 3% (5 ha) occurred between the 2024 assessment and 2025. The changes in footprint since the previous assessment were less than 25%. Therefore, a comprehensive habitat loss assessment was not required.
- Habitat loss thresholds were not exceeded in 2025. The next comprehensive habitat analysis will be completed for the 2027 monitoring year.

Caribou Satellite-Collaring Program

- Caribou collar data from 2025 were examined and maps prepared. Agnico Eagle intends to continue collaboration with the Government of Nunavut Department of Environment (GN DoE) caribou satellite-collaring program.
- In 2025, 21 individuals from three different herds (Ahiak/Beverly, Lorillard, and Wager Bay) had collar fixes within the Project (Regional Study Area (RSA). Fifteen collared caribou interacted with the RSA during spring and 5 interacted with the RSA during summer.
- There are no specific impact predictions for caribou migration movements. Flexible and responsive mitigation measures such as the TEMP decision trees are likely to continue to be the most effective due to seasonal and yearly variability in movement patterns at the RSA scale.

Viewshed Surveys

- Based on discussion from the fall 2024 Terrestrial Advisory Group (TAG) meeting (meeting #21, Agnico Eagle 2024), viewshed surveys were discontinued in 2025.

Remote Camera Program

- During 2024, a new camera protocol was created in collaboration with the TAG (Agnico Eagle 2024), including new camera program objectives and camera coverage on both the WTHR and AWAR. In 2025 cameras were deployed in accordance with the new study design protocol.
- Agnico Eagle is working on AI options for automatic classification of different vehicle types and convoy information, and progress will be shared with the TAG. Results of the program will be presented in future iterations of the Wildlife Monitoring Summary Report.

Blast Monitoring

- Surveys for caribou behaviour monitoring prior to and during blasting were performed in 2025. Caribou behavior was quantified before, during and after blasting and average response behaviours for six minutes following blasting was assessed in relation to peak particle velocity (PPV) and peak pressure level (PPL) values. Six blasts were cancelled due to caribou presence in the vicinity.
- In 2025, caribou showed minor behavioural response to blasting at 1.5 km from the blast. There were 223 pre-blast surveys were performed over 210 days, however, only one viable behavioral assessments could be obtained.
- Due to the challenges in aligning blasting events, caribou availability and visible behaviour responses, data collection may need to continue. However, the lack of caribou near blast areas and their lack of response to blasting may already provide enough evidence of the low impact of blasting events on caribou.

Hunter Harvest Study

- The Hunter Harvest Study (HHS) included 92 interested participants in 2025. Of the 2025 participants, caribou harvest data was collected from 55 participants, which represents approximately 16% to 18% of total hunters in the community.
- A total of 782 caribou were reported as being harvested by 55 participants in the Baker Lake HHS.
- The 2025 HHS data indicated that 34% of reported harvest occurred within 5 km of the AWAR, and 56% occurred within the Meadowbank RSA.
- In 2025, 38 caribou were harvested within 5 km of the WTHR. Study participants indicated that there were “thousands” of Caribou along the AWAR and WTHR in late 2025 going into 2026, which was not the case in previous years.

Predatory Mammal Den Monitoring

- Monitoring of predatory mammal dens were conducted informally in 2025 through observations recorded during other monitoring programs. One predatory mammal den was observed during 2025. Potential effects due to Project-related activities were not identified to trigger continued monitoring of predatory mammal dens.
- If an active den is identified in close proximity to Project facilities, a den management plan is developed that outlines a monitoring schedule and appropriate mitigation strategies. No impacts to denning predators were observed in 2025.

Raptor Nest Monitoring

- During raptor nest monitoring, one peregrine falcon nest was documented at Quarry 30 along the WTHR in 2025. No raptor nesting evidence was observed along the AWAR in 2025.
- A pair of gyrfalcons were incidentally observed nesting on WTHR near KM 148.
- Raptor nest management plans were not developed at the active nest sites, as Mine-related activity was already restricted within the quarries. The only source of disturbance was traffic on the nearby WTHR. Intensive monitoring, which would include approaching nests by foot, was not conducted.
- Agnico Eagle will continue to monitor raptor nests in accordance with the TEMP including annual raptor nest surveys of quarries along the AWAR, WTHR, pits, and waste rock piles; development of nest management plans; and implementation of the Peregrine Falcon Management and Protection Plan, when required. Active nests will continue to be monitored to determine the success of the nest.

Waterbird Nest Monitoring

- The Whale Tail expansion required the construction of two dykes within Whale Tail Lake to divert water from the proposed pit to surrounding lakes and tributaries, resulting in flooding that had potential impacts to migratory birds and their nests.
- Trent University, in collaboration with Environment and Climate Change Canada (ECCC) and Agnico Eagle, conducted a research study to investigate mitigation options to minimize flooding-related impacts to birds in the Whale Tail South area. The complete analysis and report on behavioural responses were included in Holmes (2022) with some aspects published in a scientific journal in 2024 (Holmes et al. 2024).
- The waterbird nest monitoring program is now complete.

Breeding Bird Monitoring

- A total of 21 bird species were recorded on AWAR and 18 bird species were recorded on WTHR during breeding bird surveys in 2025.
- There were 14 PRISM plots surveyed in 2025. In total, 15 bird species and 2 mammal species were observed in the PRISM plots.
- Agnico Eagle has completed its commitment to ECCC of conducting 48 PRISM plots selected by CWS over 10 years (2021 to 2031). Agnico Eagle will continue to conduct BBS routes along AWAR and WTHR opportunistically, when qualified individuals are on site. At a minimum, the BBS routes will be conducted every three years during the operations, closure and post-closure phases of the Project.

Non-Native Plant Surveys

- No non-native plants, as identified by the CESCC, were recorded along the AWAR, WTHR, Baker Lake tank farm, Meadowbank Mine Site and Whale Tail sites during the 2025 field surveys.
- A total of 208 individual locations were surveyed for non-native plants in 2025 with seven new survey locations established on the Meadowbank Mine site (4) and undisturbed tundra (3). Twenty-one surveys were completed in the undisturbed tundra around the Meadowbank Mine site, WTHR, and AWAR to survey the presence/absence of non-native species. No non-native plants were found in the undisturbed areas of the tundra that were surveyed.

- Efforts for non-native plant management, including identified non-endemic species, should continue and added diligence should be undertaken with regards to areas of high traffic from equipment. Continued and thorough cleaning of equipment and materials prior to entering the site, per the TEMP version 9, will prevent seed of non-native species from being introduced. Based on the multi-year baseline established in previous surveys, future surveys for the 14 non-native plant species identified by CESCC as well as other species not native to Nunavut may be completed biennially.

Special Studies

Snow Study

- Between 2020-2025, snow data were collected at 70 sampling locations to help answer questions about how snow hardness and depth on snow berms may differ from natural tundra conditions. The final report for the snow study is presented in Appendix I.

Caribou Behaviour

- Agnico Eagle continued a caribou behaviour study that focussed on measuring different behaviour activities of caribou in relation to Mine-related activities (Appendix J).

Caribou Migration Studies

- The lead caribou pilot program was implemented for a second year during the 2025 spring migration. The primary objective of the pilot program was to protect lead caribou and allow the “Qiviqait” to pass through the Mine area with minimized disturbance, which could consequently facilitate the migration of trailing caribou through the Mine area.
- Lead caribou road closures did not appear to increase speed or reduce the duration of migration. While there may be technical challenges to measuring the influence of lead caribou mitigation, Agnico Eagle acknowledges the importance of protecting lead caribou from shared IQ.
- The results from year two of the lead caribou pilot program are presented in Appendix K.

Study Limitations

On behalf of Agnico Eagle Mines Limited (Agnico Eagle), WSP Canada Inc. (WSP) has prepared this Wildlife Monitoring Summary Report for the 2025 Monitoring Period at the Meadowbank Complex.

This report was prepared, based in part, on information obtained from Agnico Eagle and other external information sources. In preparing the report, WSP has relied in good faith on the information provided. We accept no responsibility for any deficiency or inaccuracy contained in this report because of our reliance on the aforementioned information.

The findings and conclusions documented in this report have been prepared for the specific application to this Project and have been developed in a manner consistent with that level of care normally exercised by environmental professionals currently practicing under similar conditions in the jurisdiction.

With respect to regulatory compliance issues, regulatory statutes are subject to interpretation. These interpretations may change over time and should be reviewed regularly.

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2025 Lead Caribou Assessment

Acronyms

Acronym	Full Term
AEAR	Amaruq Exploration Access Road
ANOVA	Analysis of Variance
ANZEC	Australian and New Zealand Environment Council
ARGOS	Advanced Research and Global Observation Satellite
AWAR	All-weather Access Road
BBS	Breeding Bird Survey
CESCC	Canadian Endangered Species Conservation Council
CIRNAC	Crown-Indigenous Relations and Northern Affairs Canada
COVID-19	Coronavirus Disease
ECCC	Environment and Climate Change Canada
ELC	Ecological Land Classification
FEIS	Final Environmental Impact Statement
GIS	Geographic Information System
GN	Government of Nunavut
GN DoE	Government of Nunavut Department of Environment
GPS	Global Positioning System
GST	Group Size Threshold
HHS	Hunter Harvest Study
HOL	Height-of-Land
HT	Heath Tundra
HTO	Hunters and Trappers Organization
IIBA	Inuit Impact Benefit Agreement
IQ	Inuit Qaujimajatuqangit
KivIA	Kivalliq Inuit Association
KM	Kilometer Marker
LSA	Local Study Area
NIRB	Nunavut Impact Review Board
NPAG	Non-potentially Acid Generating
NPC	Noise Pollution Control
NWB	Nunavut Water Board
MOU	Memorandum of Understanding
PPL	Peak Pressure Level
PPV	Peak Particle Velocity
PRISM	Program for Regional and International Shorebird Monitoring
QA/QC	Quality Assurance/Quality Control
RSA	Regional Study Area
TAG	Terrestrial Advisory Group
TEMP	Terrestrial Ecosystem Management Plan
TOR	Terms of Reference
UTM	Universal Transverse Mercator
VEC	Valued Ecosystem Component
WTHR	Whale Tail Haul Road

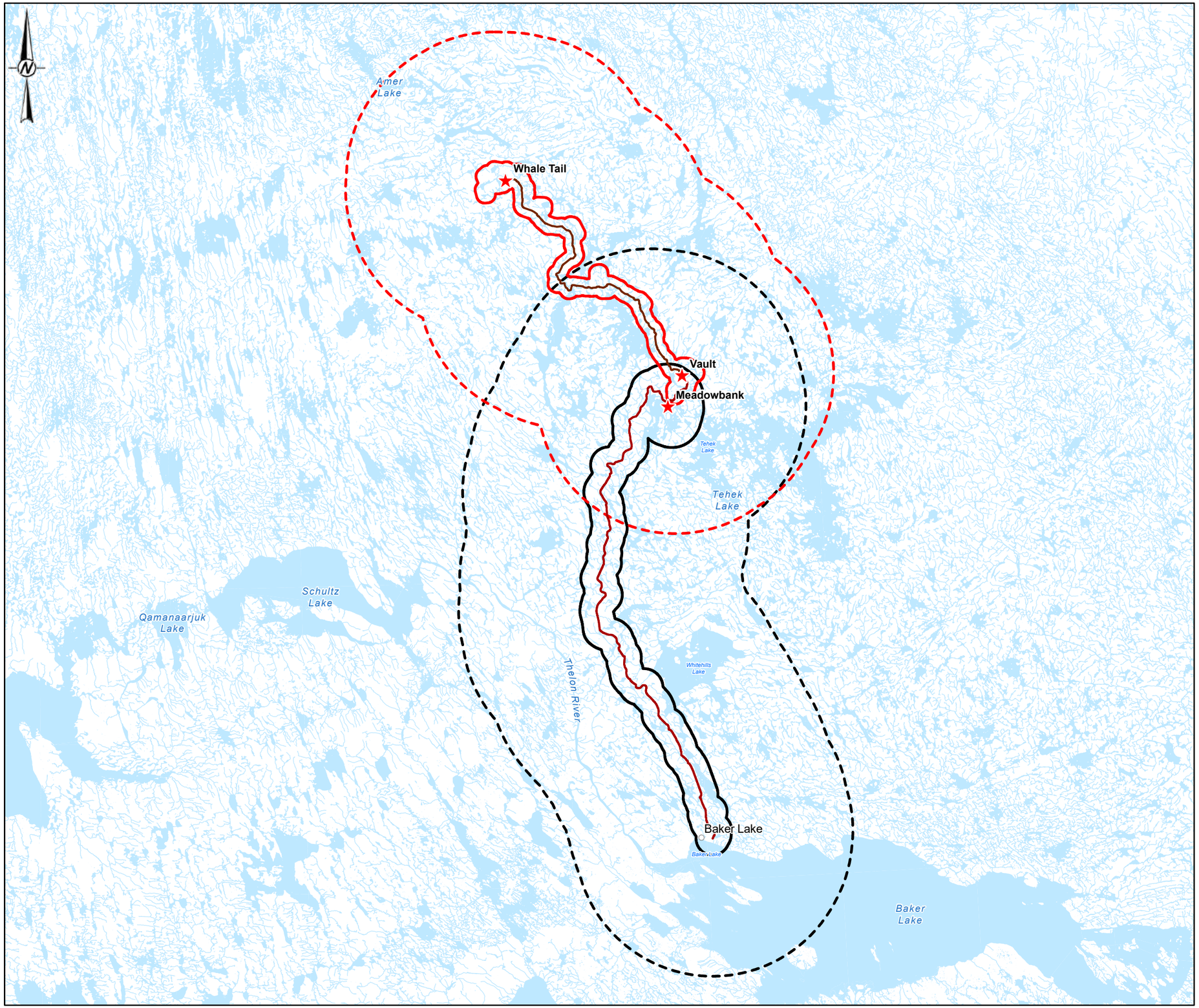
1 INTRODUCTION

1.1 Background

The Agnico Eagle Mines Limited (Agnico Eagle) Meadowbank Complex (the Project) is located in the Kivalliq Region of Nunavut (Figure 1-1) and received a Project Certificate No. 004 from the Nunavut Impact Review Board (NIRB) in 2006. The subsequent Water Licence, Government of Nunavut (GN) and Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) Land Lease, and Kivalliq Inuit Association (KivIA) Land Use Production Lease, allowed for the construction of a gold mine and ancillary facilities including an All-weather Access Road (AWAR), barge unloading facilities, lay-down area, and a fuel tank farm near the Hamlet of Baker Lake. The Whale Tail Mine, an extension of the Meadowbank Mine, received a Project Certificate No. 008 from NIRB in 2018.

Up to 2017, annual reports were based on the Terrestrial Ecosystem Management Plan (TEMP) developed by Cumberland Resources (Cumberland 2006). The TEMP was a requirement of the Meadowbank Project Certificate No. 004, Condition 54 and Whale Tail Mine Certificate No. 008, Condition 28. From 2018 to 2024, the TEMP version 7 has incorporated the Whale Tail component of the Project and reflects changes in management and monitoring approaches since 2006 (Agnico Eagle 2019). The revised TEMP also benefitted from collaborative input from the GN, the KivIA, and the Hunters and Trappers Organization (HTO) of Baker Lake through annual report reviews, technical reviews, workshops, and discussions within the Terrestrial Advisory Group (TAG). A new version of the TEMP (TEMP version 9) was reviewed and supported by the TAG during March 2025 and was applied for the 2025 monitoring year (Agnico Eagle 2025a). The scope of the TEMP is to report on monitoring of the Mine during construction, operation, maintenance, reclamation, and closure.

This annual report includes data collected in 2025, the 16th year of Mine operation, and is the 20th of a series of annual Wildlife Monitoring Summary Reports for the Project. The purpose of this report is to summarize 2025 data collected from wildlife monitoring programs, and to describe natural variation and potential Mine-related changes in wildlife populations within and adjacent to the Meadowbank Complex. The 2025 Annual Report describes monitoring objectives and methods, historical and current year results, mitigation activities, and management recommendations based on 2025 monitoring results. Furthermore, comments received from various intervenors through the NIRB review of the 2024 annual report were incorporated, where possible, into analyses and reporting in this document.



LEGEND

- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)
- WHALE TAIL REGIONAL STUDY AREA (RSA)
- WHALE TAIL LOCAL STUDY AREA (LSA)
- MEADOWBANK REGIONAL STUDY AREA (RSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WATERCOURSE
- WATERBODY



0 14 28

1:700,000 KILOMETRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.

COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

MEADOWBANK COMPLEX LOCATION AND MONITORING STUDIES BOUNDARIES

CONSULTANT

wsp

YYYY-MM-DD	2026-02-25
DESIGNED	JP
PREPARED	CDB
REVIEWED	JF
APPROVED	DC

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1.2 Project Description

The Meadowbank Mine is located approximately 90 km north of the community of Baker Lake. The Whale Tail Mine, with an expected operating life of ten years (2019 to 2028), is located approximately 180 km north of Baker Lake. The Whale Tail Mine is an open-pit mine and underground mine connected to Meadowbank Mine by a 64 km all season Haul Road. The local geography is characterized by numerous lakes and low, rolling hills covered mainly by lichen/rock complexes, and heath tundra.

Environmental baseline studies were conducted prior to Meadowbank and Whale Tail Mine approvals and integrated into Project designs according to the Cumberland (2006), TEMP version 7 (Agnico Eagle 2019), and TEMP version 9 (Agnico Eagle 2025a). Wildlife Valued Ecosystem Components (VECs) for the Meadowbank Mine were identified in consultation with regulatory agencies and Baker Lake residents, and considered criteria such as conservation status, relative abundance within the Project study area, importance in subsistence lifestyle and economy, importance in predator-prey systems, habitat requirement size and sensitivity, and contribution to local area concerns. Based on these selection criteria, key terrestrial VECs determined for the Meadowbank Mine were wildlife habitat, ungulates, predatory mammals, small mammals, raptors, waterbirds, and upland breeding birds. Because of limited evidence that small mammals were affected by the Project, this VEC was not included in the Whale Tail Mine or revised TEMP. Further details can be found in the Final Environmental Impact Statements (FEIS) for the Meadowbank Mine (Cumberland 2005) and the Whale Tail Mine (Golder 2016, 2018).

Construction of a 106.8 km AWAR between the community of Baker Lake and the Meadowbank Mine was completed in March 2008 and provides Mine site access and re-supply, while on-site Mine haul and access roads connect open-pit areas to ancillary facilities. Meadowbank Mine site facilities include a mill, power plant, maintenance facilities, tank farm for fuel storage, water treatment plant, sewage treatment plant, airstrip, and accommodations. Mine components include open pits, waste rock storage facilities, and a tailings storage facility.

In 2008, construction of numerous camp infrastructure facilities was completed. In 2009, the principal Mine site construction began, and Mine operation commenced in early 2010. Mining at Goose Pit was finished in 2015 while Agnico Eagle continued ongoing mining operations at Portage and Vault pits and investigated expansion of the Vault area into Phaser Lake. In 2018, an expansion was made in pit E (Portage) to extend mining and mill feed to bridge the gap between the end of mining activities in Meadowbank and the start of mining activities at Whale Tail Mine. As a result, 2025 mining activities at the Meadowbank Complex included mining ore at the Whale Tail Mine and processing ore at the mill at the Meadowbank site.

To extend Mine operations and milling at Meadowbank Mine, Agnico Eagle developed the Whale Tail Mine and Haul Road Project, approximately 55 km north of the Meadowbank Mine, on a satellite deposit located on the Amaruq property in the Kivalliq Region of Nunavut. The Amaruq Exploration Access Road (AEAR) was built in 2016 and 2017 to access the Amaruq exploration site from the Meadowbank Mine. The AEAR was modified into the Whale Tail Haul Road (WTHR) (enlargement) following regulatory approval and was completed in 2018. Construction of the Whale Tail Dike in 2018 allowed for Whale Tail Lake North Basin dewatering starting in Q1, 2019, the pre-stripping of future Whale Tail Mine, and the construction of major infrastructures including the permanent camp, with accommodation and kitchen facilities, sewage treatment plan, tank farm for fuel storage, and freshwater intake. Open-pit mining operation at the Whale Tail deposit began in Q3 (30 September), 2019. Commercial operations at the IVR pit commenced on 31 December 2021. Permitting to expand the Whale Tail operation and extend the Mine life to 2028 was approved in August 2024. Other Project updates include implementation of several measures to increase Project capacity and equipment inventory prior to caribou migration. These changes have included increasing the long-haul truck fleet size in 2022 through 2024 to stockpile additional ore at the Meadowbank Complex, targeting a stockpile for the mill capable of sustaining

20 days of road closures, installation of a 3,000,000 L fuel tank at the Meadowbank site, and installation of four permanent 50,000 L fuel tanks in 2022 to increase autonomy of the Whale Tail site.

1.3 Study Area Boundaries

1.3.1 Meadowbank Mine and AWAR

The Meadowbank Mine local study area (LSA) includes a 5 km radius area centred on the Mine site and a 3 km wide corridor centred on the AWAR between Baker Lake and Meadowbank Mine, with a total area of 725 km^2 (Agnico Eagle 2025a). The regional study area (RSA) encompasses an area that includes a 25 km radius area around the Meadowbank Mine and a 50 km wide corridor along the AWAR for a total area of 6,669 km^2 (Figure 1-1).

1.3.2 Whale Tail Mine, Whale Tail Haul Road, and Vault

The Whale Tail LSA is a 3 km corridor centred on the WTHR, Vault site, and borrow site access roads (i.e., 1.5 km buffer on either side of the road and 1.5 km buffer around Vault and borrow areas) and includes an approximate 1.5 km buffer around development areas at the Whale Tail Mine, for a total area of 287 km^2 (Agnico Eagle 2025a). The Whale Tail RSA is a 50 km corridor centred on the Haul Road alignment (i.e., 25 km buffer on either side of the Haul Road and borrow site access roads, and 25 km buffer around Vault site and borrow areas), with a total area of 5,172 km^2 (Agnico Eagle 2025a; Figure 1-1).

1.4 Monitoring Approach

Wildlife monitoring is an essential tool in protecting and maintaining wildlife occurring near the Project. The TEMP (Agnico Eagle 2025a) is designed to be a comprehensive monitoring strategy with quantitative monitoring indicators to evaluate the accuracy of impact predictions and to meet the objectives of managing environmental impacts by the Project. Version 9 of the TEMP (Agnico Eagle 2025a) was supported by the TAG in March 2025 and was the version implemented for 2025. Monitoring programs are designed to assess Project-related impact predictions and the effectiveness of mitigation measures. Measures on the effectiveness of mitigation will inform on whether monitoring or mitigation require adaptive management. Adaptive management is an ongoing process of learning by doing that evolves throughout the life of the Project. Outcomes of adaptive management include increasing or decreasing, or no change, to mitigation or monitoring. Further study intended to better understand Mine-related effects may also be an outcome of adaptive management based on input from individual stakeholders or the TAG. Ongoing review of the TEMP and annual Wildlife Monitoring Summary Reports (which provide results of TEMP monitoring programs) by regulatory agencies, technical reviewers, and stakeholders will further support that local and regional concerns have been adequately addressed.

Environmental staff monitor wildlife near Project facilities (i.e., Meadowbank Mine and Whale Tail Mine) and along the AWAR and WTHR on a regular basis (Section 3.6). Where unacceptable risks to wildlife are observed, mitigation measures are implemented to avert animals from site activities and hazards in accordance with the TEMP (Agnico Eagle 2025a). The decision trees used as mitigation and monitoring framework for caribou (*Rangifer tarandus groenlandicus*) are outlined in Section 2.0. Detailed reporting protocols (e.g., a dangerous animal occurrence, monthly wildlife reports submitted to the GN DoE, road closure notification to GN, KivIA, HTO) are established and implemented by on-site environmental staff. During these events, Agnico Eagle representatives communicate any issues directly with the GN Department of Environment (DoE) Conservation Officer, KivIA, and the local HTO.

1.5 Report Objectives

The primary objectives of the 2025 Wildlife Monitoring Summary Report are to:

a) Report the results of the 2025 wildlife monitoring programs.

b) Summarize the monitoring strategy implemented over the course of the year.

c) Evaluate the function and validity of implemented monitoring and mitigation strategies.

d) Summarize adaptive management strategies.

e) Provide management recommendations for 2026.

f) Allow regulators to contribute toward improvements of wildlife mitigation and monitoring.

g) Include a summary of all caribou-related monitoring, mitigation, and Project management actions in one consolidated section.

1.6 Inuit Involvement

Since 1999, local Inuit from the community of Baker Lake have been involved in all wildlife-related baseline and monitoring surveys. The average number of Inuit involved in surveys varies annually. Programs with previous Inuit involvement include the LSA and RSA aerial survey, breeding bird plots and transects, waterfowl nest surveys, waterbird nest surveys for the Whale Tail Mine, raptor nest surveys, road surveys, viewshed surveys, habitat mapping, and phenology plots. Local harvesters participate in the Hunter Harvest Study (Section 10.0).

Five Inuit workers were under the employment of the environmental department and were involved in the monitoring programs during 2025. Additionally, two local contractors were employed in 2025. Agnico Eagle environmental Inuit workers are involved in wildlife programs including caribou behaviour monitoring, road surveys, and wildlife deterrence on-site when required. In 2025, two Baker Lake Hunters and Trappers Organization (HTO) wildlife monitors completed road surveys regularly throughout the year.

As required by the Inuit Impact Benefit Agreement (IIBA), “Anything done by Agnico in order to implement the TEMP […] shall incorporate Inuit Qaujimanituqaugit”; therefore, Indigenous Traditional Knowledge or IQ has been incorporated in this annual report. See Table 1-1 for a summary of IQ incorporation.

Table 1-1: Incorporation of Indigenous Inuit Qaujimanituqaugit in Annual Report

Indigenous Traditional Knowledge	Agnico Eagle Implemented Measures	Report Integration
IQ says caribou have good hearing abilities, and it was noted that the flags could be disturbing to caribou.	Agnico Eagle implemented measures to reduce noise from road marker flags.	Discussed in Section 1.7. Doesn't impact monitoring but reduces sensory disturbance to wildlife.
IQ says caribou are sensitive to aircraft disturbance, such as from helicopters.	Caribou are surveyed using road surveys instead of aerial surveys for ungulate monitoring to prevent disturbance from aircrafts. Additionally, flight restrictions are in place to reduce potential disturbance to wildlife and fewer Project-related flights occur during sensitive seasons.	Information about the current caribou monitoring approaches are discussed in in Sections 3 and 7. Information about helicopter flights and flight guidelines to minimize disturbance to wildlife are discussed in Section 4.5.9.
IQ says that caribou feet are sensitive, and caribou may be able to feel ground vibrations associated with blasting at further distances than humans.	Implemented blast monitoring study to understand how ground vibration and overpressure propagate over distance.	The blast monitoring study is presented in Section 9 of the report.
IQ says that it is important to allow the lead caribou to pass so that other caribou will follow the same migration paths. IQ says to not hunt or disturb lead caribou groups.	Agnico Eagle in collaboration with the TAG developed a lead caribou mitigation approach, which was implemented starting in spring 2024. Road closures allow the lead caribou to pass through the RSA with minimal disturbance. This mitigation approach has been integrated into TEMP version 9.	The lead caribou mitigation approach was implemented in spring 2025 and is described in Section 3 of this report.
IQ says that caribou will benefit from reduced sensory disturbance during fall migration, such as by reduced traffic.	Agnico Eagle in collaboration with the TAG developed new fall mitigation measures to allow use of convoys while creating gaps in traffic to facilitate caribou crossings. Longer gaps in traffic allow caribou to pass through the RSA with minimal disturbance.	The new fall mitigation measures were implemented in 2025 and are described in Section 3 of this report. This mitigation approach has been integrated into the next version of the TEMP, including updated management decisions trees.

1.7 Terrestrial Advisory Group

As per Project Certificate No.008, Condition 27 of the Whale Tail Pit FEIS Addendum (Golder 2016), Agnico Eagle has established a TAG consisting of representatives from Agnico Eagle, the Government of Nunavut Department of Environment (GN DoE), the KivIA, and the HTO.

A Memorandum of Understanding (MOU) and Terms of Reference (TOR) have been developed and signed by all parties in July 2019. Agnico Eagle provided a summary of TAG meeting outcomes to the NIRB since 2019.

The purpose of the TAG is to:

- Measure the relevant environmental effects of the Project on terrestrial wildlife.
- Confirm that the Project and mining activities are carried out within the terms and conditions of the Project Certificates No.004 and No.008 relating to the protection of terrestrial wildlife.
- Assess the accuracy of the predictions contained in the final environmental impact statement filed by Agnico Eagle with NIRB.
- Identify and select appropriate target species, indicators, and linkages for monitoring.
- Evaluate the effectiveness of mitigation measures and to support any required adaptive management of those measures.
- Identify any unforeseen Project-related effects.
- Provide an early warning mechanism to identify any Project-related effects.
- Determine and identify any cause-and-effect interactions between the Project and the environment.

TAG meetings were held on February 4 – 5, June 6, September 18 – 19, and November 21 during 2025. The June and November meetings were held online and in Baker Lake. The February and September meetings were held as in person workshops in Montreal and Winnipeg, respectively, with a conference call option available for people who could not attend in person.

The February 4 – 5 workshop (TAG meeting #22, Agnico Eagle 2025b) included a 2024 fall migration debrief followed by several presentations and discussions for TEMP version 9 updates. TEMP version 9 discussions included topics such as updated definitions, new decisions trees, and a line by line review and discussion of tracked changes throughout the document.

The June 6 meeting (TAG meeting #23, Agnico Eagle 2025c) included a spring migration debrief presented by Agnico Eagle that included an overview of closures, an overview of 2025 data, and production losses. The meeting also included a KivIA presentation about patrols along the AWAR and WTHR during April and May 2025, followed by discussions about caribou crossing locations and potential improvements to flagging to reduce disturbances to caribou.

The September 18 – 19 workshop (TAG meeting #24, Agnico Eagle 2025d) included a variety of topics related to monitoring programs. Day 1 of the workshop included a review and discussion of the 2024 annual report highlights, the caribou behaviour study, an assessment of caribou migration results following lead caribou closure, updates to the remote camera study design, and a presentation from KivIA on suggested updates to the TEMP spring mitigation measures. Day 2 of the workshop included IQ sharing, as well as review and discussion of the snow study results, previously outlined fall migration protocol, and pending TAG action items. The workshop concluded with discussion of items of interest from GN, HTO, and KivIA.

The November 21 meeting (TAG meeting #25, Agnico Eagle 2025e) included a fall migration update, which included a review of road closure calendars, discussion of convoys, a review of collared caribou maps, and items of interest from KivIA, GN, and Baker Lake HTO.

1.8 Mitigation Audit

A mitigation audit is an annual requirement outlined in the 2025 TEMP (Agnico Eagle 2025a). Mitigation approaches applied at the Project stem from current practices at existing mines or were suggested during the environmental assessment review process. However, an auditing system supports evaluation on the use and effectiveness of the mitigation consistent with the principals of adaptive management and may identify or recommend changes to mitigation or monitoring. As an example, per Project Certificate No.008, Condition 32, Agnico Eagle engages with the Baker Lake HTO and other relevant parties to ensure that safety barriers, berms, and designed crossings associated with Project infrastructure, including the WTHR, are constructed and operated as necessary to allow for the safe passage of caribou and other terrestrial wildlife.

The audit is to be undertaken internally and annually and summarized in the annual report and will focus specifically on mitigation listed in Section 4.1 of the TEMP version 9 (Agnico Eagle 2025a). The audit will evaluate:

- what mitigation was implemented
- which mitigation is perceived or shown to be effective
- whether new mitigation has been implemented in response to new issues; and whether some mitigation is redundant or unnecessary

Results of internal mitigation audits are included throughout this report under the subheadings titled “Accuracy of Impact Predictions”, including information on thresholds, exceedances, and mitigation measures applied if applicable.

2 CARIBOU MANAGEMENT DECISION TREE

2.1 Overview

During early 2025, TEMP version 7 (Agnico Eagle 2019) was in effect. Starting in March 2025, TEMP version 9 was finalized and went into effect (Agnico Eagle 2025a). TEMP version 9 describes the use of decision trees or charts that outline adaptive monitoring and mitigation for ungulates including:

1) caribou and mining operations
2) caribou and surface roads (WTHR and AWAR) during non-sensitive seasons
3) caribou and surface roads (WTHR and AWAR) during spring migration
4) caribou and surface roads (WTHR and AWAR) during fall migration and
5) caribou and blasting

Adaptive management that was developed in collaboration with the TAG was also implemented in 2025 (see Section 1.7 for details).

2.2 Objectives

The monitoring objectives are to:

1) Detect if effect thresholds have been exceeded.
2) Test the efficacy of mitigation.
3) Understand Project-related effects to ungulates. For ungulates, the decision trees are also an objective to manage sensory disturbance to caribou approaching the Project. Monitoring to detect caribou intensifies as caribou approach the Project and mitigation intensifies to reduce sources of sensory disturbance.

2.3 Duration

Monitoring activities for ungulates were carried out prior to, during, construction and operations. The use of decision trees for managing disturbance to ungulates is an ongoing and continuous monitoring and mitigation strategy for the life of the Project. Monitoring and mitigation intensity is increased (and decreased) as ungulates approach (and move away from) the Project in accordance with the decision trees and the adaptive management protocols that are agreed upon by the TAG.

2.4 Methods

The approach involves monitoring the number of ungulates proximity to mining operations through various monitoring tools including caribou collaring data, AWAR and Whale Tail Haul Road surveys, and pit and Mine site ground surveys. Depending on the season, the number of ungulates observed (i.e., caribou GST), proximity to the road, and time of year, different mitigation and monitoring levels are triggered (i.e., Level 1, Level 2, Level 3). For example, triggers may result in pit and Mine site ground surveys and/or haul road surveys increased up to every two days, and caribou satellite data reviewed daily. Example of mitigations include daily site-wide notifications, road closures to non-essential vehicles, and speed restrictions. During spring migration, two types of closures are applied, a lead caribou closure (applied once during early migration) and GST closures (Agnico Eagle 2025a).

For the purposes of monitoring, a “group of caribou” is defined as: “An aggregation of caribou that are sufficiently close together that they can see and react to another animal’s behaviour and have the potential of responding should one or more animal in the aggregation become startled.” Updated caribou GSTs by season used for Meadowbank Complex in 2025 were developed based on instructions provided by the GN (Table 2-1; GN 2021). For further details on the reasoning behind lead caribou closure, caribou GSTs, and the decision chart approach, refer to the 2025 TEMP version 9 (Agnico Eagle 2025a). Monitoring/management outcomes are reviewed by the TAG on a regular basis to determine whether an acceptable balance has been achieved between mining operations and being protective of caribou populations. As GSTs are the main trigger for mitigation and management, understanding their efficacy for overall herd protection is of high importance. Further information about the timing and implementation of caribou protection measures are found in Section 3.6.6.

Table 2-1: Seasonal Caribou Group Size Thresholds Applied During 2025

Season	Dates[(a)]	Group Size Threshold
Spring	1 April to 25 May	35
Summer	26 May to 21 September	25
Fall	22 September to 15 December	86
Winter	16 December to 31 March	25

(a) Date ranges are based on Government of Nunavut seasonal range guidelines.

2.5 Results

The decision trees were used throughout 2025. Data collection methods were implemented in 2025 to link individual observations to mitigations, through use of field tablets linked to a customizable EQuIS Collect database. Paper data forms are carried in case issues arise with field tablets. All wildlife observations, and associated mitigations are provided in Appendix A (Wildlife Observations). Summaries of wildlife survey results are discussed in their respective sections. A summary of AWAR and WTHR closure are discussed in Section 3.6.6. The majority of mitigations were implemented based on road survey observations (Section 3; Appendix A). Few mitigations were implemented based on other survey types, including pit and mine site ground surveys (Section 4; Appendix A).

2.6 Accuracy of Impact Predictions

An objective of the decision tree approach is to reduce sensory disturbance to caribou approaching the Project. The objective is not linked to an impact prediction as the monitoring is to trigger mitigation rather than to test a prediction.

2.7 Management Recommendations

Wildlife observations should continue to be documented using approaches implemented in 2025 that allow individual observations to be linked to mitigations, providing evidence of use of decision trees.

3 ROAD SURVEYS

3.1 Overview

A systematic road survey monitoring program for the AWAR and WTHR has been designed to evaluate sensory disturbance for wildlife, particularly caribou, muskoxen, and predatory mammals utilizing habitats adjacent to the roads. The program also monitors incidental mortality of species as they are encountered within the Project infrastructure, but in particular, near the roads. In 2017 and 2018, the Vault Road has been surveyed and reported separately from the WTHR, but since 2020 the Vault Road observations are considered part of the WTHR observations and results.

3.2 Objectives

The primary objectives of the road survey monitoring program are to:

1) Document wildlife utilization along the AWAR and WTHR corridors.
2) Evaluate wildlife trends along the road corridors, including identifying areas where higher densities of wildlife are observed.
3) Inform on the need for adaptive mitigation, such as temporary road closures during peak caribou migration periods.
4) Inform whether mortality thresholds for wildlife are exceeded.
5) Monitor road-related injuries or mortalities of caribou. The Project-wide threshold mortality level for ungulates is two individuals per year (as per TEMP version 9).
6) Monitor road-related injuries or mortalities of predatory mammals. The Project-wide threshold mortality level for predatory mammals is two individuals per year (as per TEMP version 9).

3.3 Duration

The AWAR and WTHR systematic road surveys are ongoing over the operational phase of the Project and are scheduled to be conducted a minimum of once per week throughout the year and every second day during sensitive seasons (i.e., contingent on weather and road access; see Figures 7, 8, and 9 in TEMP version 9). Survey frequency increases to daily if caribou GSTs are exceeded within 4 km (see Figures 7, 8, and 9 in TEMP version 9). Agnico Eagle is committed to conducting a minimum of 75 road surveys per year along the AWAR and WTHR. Monitoring of vehicle-related wildlife mortality is continual along all road segments.

3.4 Methods

Agnico Eagle has signed an MOU with the Baker Lake HTO to provide a wildlife monitor for road monitoring beginning in October 2018. An amended MOU was signed in February 2022, retroactive to 8 November 2021, to hire a second wildlife monitor that will work on the AWAR and WTHR. In 2021, the monitor was primarily on the AWAR due to COVID restrictions. From 2022 to 2025, two Baker Lake HTO wildlife monitors completed road surveys regularly throughout the year.

The survey team typically includes two observers (one is the driver) in a vehicle. The terrain on both sides of the road is surveyed as the vehicle progresses at a maximum speed of 30 km per hour in areas where wildlife is present. For each sighting, the vehicle is safely parked in a road pullout and UTM coordinates are recorded along with the estimated distance of the animal(s) from the road, nearest road marker, species, number, direction of travel and a variety of other information (e.g., behavior of animals). All data are recorded electronically in tablet forms. Where animals are sighted close to roads and a risk of collision with vehicles is possible, the environmental monitor/observers report the number of animals, location, and direction of travel to the Mine radio dispatcher who informs all vehicle operators. In addition, all vehicle operators report ungulates and predatory mammals seen along roads to the dispatcher. Regular data provided to Mine site personnel from the caribou satellite-collaring program are also used to track caribou movement and potential interactions with roads and Project facilities.

3.5 2025 Results

3.5.1 AWAR Surveys

The number of AWAR surveys completed each season in 2025 is provided in Table 3-1. The number of systematic road surveys completed in 2025 (n=216) was lower than the number of surveys completed the previous year (n=277), but aligned with survey rates in 2023 (n=215) and was considerably higher than the annual goal of 75 surveys. In 2025, surveys were conducted on average every 1.7 days and were conducted between January 03 and December 30. The number of surveys completed was highest in the summer (n=73) and lowest in winter (n=26). By month, the highest numbers of surveys were conducted in April and May, corresponding with the second and third highest numbers of caribou observed within the LSA, respectively. November had the highest caribou observation counts. Two Baker Lake HTO wildlife monitors completed road surveys regularly throughout the year (Section 1.6).

A total of 24,553 caribou were detected across 216 AWAR road surveys, and caribou were recorded in all seasons (Table 3-2). Caribou were not recorded during road surveys in August and September, and only 1 caribou was observed in July and October. Caribou detections per survey were calculated by season (Table 3-2) and by month (Table 3-3).

The highest caribou observed per survey across months in 2025 occurred in November (527.1 caribou/survey; Table 3-3). The November 2025 average caribou per survey was slightly lower than the November 2024 count (636.4 caribou/survey; Table 3-3).

Table 3-1: Details of All-Weather Access Road Wildlife Surveys from 2007 to 2025

Year	Annual Range of Surveys	Average Frequency[a]	Number of AWAR Surveys				
			Spring[b]	Summer[b]	Fall[b]	Winter[b]	Annual Total
2007	Mar 01 – Dec 31	4.1 days	13	24	8	33	**78**
2008	Jan 02 – Dec 29	3.9 days	15	7	15	57	**94**
2009	Jan 09 – Dec 16	6.1 days	15	10	8	25	**58**
2010	Jan 21 – Dec 17	5.6 days	9	9	12	36	**66**
2011	Jan 10 – Dec 30	6.0 days	10	9	11	33	**63**
2012	Jan 04 – Dec 29	4.7 days	14	13	12	38	**77**
2013	Feb 02 – Dec 27	6.0 days	9	13	10	31	**63**
2014	Jan 12 – Dec 30	5.5 days	11	7	11	38	**67**
2015	Jan 03 – Dec 18	4.7 days	17	16	11	32	**76**
2016	Jan 02 – Dec 27	4.7 days	10	14	16	38	**78**
2017	Jan 03 – Dec 29	4.3 days	19	16	14	36	**85**
2018	Jan 03 – Dec 29	5.0 days	9	12	16	35	**72**
2019	Jan 04 – Dec 27	2.6 days	37	39	39	22	**137**
2020	Jan 17 – Dec 26	2.6 days	26	54	41	11	**132**
2021	Jan 01 – Dec 31	2.1 days	43	42	69	23	**177**
2022	Jan 02 – Dec 29	1.6 days	47	78	72	38	**235**
2023	Jan 07 – Dec 31	1.7 days	49	50	69	47	**215**
2024	Jan 01 – Dec 31	1.3 days	41	82	78	76	**277**
2025	Jan 03 – Dec 30	1.7 days	57	73	60	26	**216**

(a) Frequency refers to the average number of days between surveys over the year.

(b) Spring = Apr 1 to May 25, Summer = May 26 to Sep 21, Fall = Sep 22 to Dec 15, Winter = Dec 16 to Mar 31.

AWAR = All-Weather Access Road.

Table 3-2: Seasonal Caribou Counts and Detections per Survey on the All-Weather Access Road, 2007 to 2025

Year	Total Caribou Count					Caribou Detections per Survey				
	Spring[(a)]	Summer[(a)]	Fall[(a)]	Winter[(a)]	Annual	Spring[(a)]	Summer[(a)]	Fall[(a)]	Winter[(a)]	Annual
2007	2007	-	-	-	-	-	-	-	-	-
2008	2008	-	-	-	-	-	-	-	-	-
2009	2009	1,224	649	628	1,238	3,739	81.6	64.9	78.5	49.5
2010	2010	756	283	13,850	114	15,003	84.0	31.4	1,154.2	3.2
2011	2011	1,586	1,808	2,538	76	6,008	158.6	200.9	230.7	2.3
2012	2012	655	256	3,545	1,093	5,549	46.8	19.7	295.4	28.8
2013	2013	230	335	2,509	930	4,004	25.6	25.8	250.9	30.0
2014	2014	690	36	8,897	635	10,258	62.7	5.1	808.8	16.7
2015	2015	1,676	611	8,485	148	10,920	98.6	38.2	771.4	4.6
2016	2016	580	190	659	134	1,563	58.0	13.6	41.2	3.5
2017	2017	21	90	741	45	897	1.1	5.6	52.9	1.2
2018	2018	4,688	1,821	1,939	195	8,643	520.9	151.8	121.2	5.6
2019	2019	19,706	445	21,078	10	41,239	532.6	11.4	540.5	0.5
2020	2020	7,510	18,539	16,334	861	43,244	288.8	343.3	398.4	78.3
2021	2021	14,661	2,670	16,062	4,432	37,825	341.0	63.6	232.8	192.7
2022	2022	803	1,466	46,708	1,116	50,093	17.1	18.8	648.7	29.4
2023	2023	31,314	1,061	19,048	3,517	54,940	639.1	21.2	276.1	74.8
2024	2024	2,510	3,975	27,995	5681	40,161	61.2	48.5	358.9	74.8
2025	2025	9,040	1,093	14,367	53	24,553	158.6	15.0	239.4	2.0

(a) Spring = Apr 1 to May 25, Summer = May 26 to Sep 21, Fall = Sep 22 to Dec 15, Winter = Dec 16 to Mar 31.

AWAR = All-Weather Access Road; "-" = data unavailable.

Table 3-3: Monthly Counts of Caribou Observed per Survey Trip Along the All-Weather Access Road from 2007 to 2025

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2007	0	0	11.4	14.0	15.4	7.1	1.5	1.1	10.8	18.4	72.4	18.4
2008	14.3	11.5	11.4	12.7	12.1	3.5	13.3	5.4	12.5	44.3	90.7	10.3
2009	12.0	10.7	16.7	11.4	13.0	8.2	0	3.6	8.5	25.4	13.0	11.0
2010	5.3	4.1	6.7	10.8	18.0	9.0	1.1	5.6	4.8	197.2	106.0	7.9
2011	3.0	1.0	6.0	34.0	25.3	12.5	1.0	63.0	10.3	71.6	2.3	7.8
2012	5.1	5.3	6.0	15.2	14.2	3.1	0	1.0	1.0	60.0	116.5	169.7
2013	0	68.1	39.8	0	11.0	5.3	0	1.0	6.5	6.0	455.2	16.8
2014	3.2	10.5	10.5	27.2	8.4	1.5	0	1.0	33.1	101.8	48.4	17.6
2015	5.8	7.0	14.4	22.4	14.1	6.3	2.0	3.0	12.3	41.5	148.9	275
2016	3.7	2.3	6.0	23.8	13.2	6.9	0	2.7	3.3	73.0	2.0	15.7
2017	8.0	0	3.5	4.0	0	1.0	0	3.4	5.3	63.3	12.6	5.4
2018	6.4	12.3	14.4	51.4	27.7	12.3	1.0	23.4	23.7	38.8	40.6	1.0
2019	0	0	6.0	77.6	22.8	5.7	1.0	1.3	1.0	145.8	79.0	4.0
2020	0	0	107.6	263.2	430.0	52.0	0	185.2	483.9	485.7	556.0	2.3
2021	0	3.0	34.6	414.7	226.6	26.4	0.3	161.3	30.7	64.5	35.6	553.5
2022	44.8	48.8	7.5	23.8	8.0	8.6	32.6	9.2	32.1	756.9	820.3	0.3
2023	0	0	17.8	850.7	221.6	23.2	0	0.1	0.7	331.9	379.8	150.0
2024	57.4	44.0	117.8	51.8	65.2	11.9	0.7	30.1	91.7	163.9	636.4	226.9
2025	1.5	3.0	2.7	162.1	140	19.6	0.1	0	0	0.1	527.1	6.7
Average	9.0	12.2	23.2	109.0	67.7	11.8	2.9	26.4	40.6	141.6	218.0	79.0

Note: Data show the average number of caribou observed for a month of the year, including data from all road surveys completed that month. Data are based on the observed number, which might be inaccurate for larger groups or groups that are further away.

3.5.2 WTHR Surveys

Survey routes were separated into the Vault and Whale Tail segments of the WTHR until 2019 but were analyzed as a single unit (WTHR) starting in 2020. In 2025 there were 224 surveys conducted between January 10 and December 30 with a survey being conducted every 1.6 days on average (Table 3-4). This year was the second year for lead caribou 10-day closure. During the lead caribou road closure period, monitoring was reduced to every second day instead of daily to reduce the number of vehicles on the road (Appendix B).

A total of 33,108 caribou were detected across 224 WTHR surveys in 2025 (Table 3-5). Caribou detections per survey were calculated by season (Table 3-5) and by month (Table 3-6). The majority of caribou sightings along the WTHR were observed in May corresponding with spring migration, with a total of 19,659 caribou observed and an average of 357.4 caribou sightings per survey (Table 3-6). April had the second highest caribou sighting per survey that was observed in 2025 with 275 caribou sightings per survey. Caribou were detected along the WTHR during every month except February in 2025. When comparing the same month across years, May 2025 had the second highest average caribou counts on record and April had the third highest on record (Table 3-6).

Table 3-4: Details of Whale Tail Haul Road Surveys from 2017 to 2025

Year	Annual Range of Surveys	Average Frequency[a]	Number of WTHR Surveys				
			Spring[b]	Summer[b]	Fall[b]	Winter[b]	Annual Total
2017	Jan 03 – Dec 29	7.7 days	9	7	7	24	**47**
2018	Jan 30 – Dec 30	5.7 days	4	1	7	47	**59**
2019	Jan 08 – Dec 23	2.0 days	62	39	45	27	**173**
2020	Jan 07 – Dec 26	2.2 days	47	50	32	32	**161**
2021	Jan 10 – Dec 31	2.5 days	48	26	49	21	**144**
2022	Jan 02 – Dec 28	1.9 days	59	66	44	24	**193**
2023	Jan 05 – Dec 30	1.5 days	73	64	69	36	**242**
2024	Jan 01 – Dec 31	1.9 days	53	52	49	40	**194**
2025	Jan 10 – Dec 30	1.6 days	69	65	57	33	**224**

(a) Frequency refers to the average number of days between surveys over the year.

(b) Spring = Apr 1 to May 25, Summer = May 26 to Sep 21, Fall = Sep 22 to Dec 15, Winter = Dec 16 to Mar 31.

WTHR = Whale Tail Haul Road.

Table 3-5: Seasonal Caribou Counts and Detections per Survey on the Whale Tail Haul Road, 2017 to 2025

Year	Total Caribou Count					Caribou Detections per Survey				
	Spring[a]	Summer[a]	Fall[a]	Winter[a]	Annual	Spring[a]	Summer[a]	Fall[a]	Winter[a]	Annual
2017	5	5	10	5	25	0.6	0.7	1.4	0.2	0.5
2018	787	193	2,549	7	3,536	196.8	193.0	364.1	0.1	59.9
2019	53,201	7,391	6,819	45	67,456	858.1	189.5	151.5	1.7	389.9
2020	9,153	298	94	560	10,105	194.7	6.0	2.9	17.5	62.8
2021	10,549	1,047	304	28	11,928	219.8	40.3	6.2	1.3	82.8
2022	4,521	1,487	259	88	6,355	76.6	22.5	5.9	3.7	32.9
2023	30,789	3,050	1,923	101	35,863	421.8	47.7	27.9	2.8	148.2
2024	11,403	538	3,956	110	16,007	215.2	10.3	80.7	2.8	82.5
2025	25,807	1,982	2,547	2,772	33,108	374.0	30.5	44.7	84.0	147.8

(a) Spring = Apr 1 to May 25, Summer = May 26 to Sep 21, Fall = Sep 22 to Dec 15, Winter = Dec 16 to Mar 31.

WTHR = Whale Tail Haul Road.

Table 3-6: Average Monthly Counts of Caribou Observed per Survey Trip Along the Whale Tail Haul Road from 2017 to 2025

Year	Location	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2017[(a)]	Vault	0	5.0	9.0	5.0	0	0	0	0	3.0	0	6.0	0
2018	Whale Tail	0	0	0	120.4	0	0	8.4	0	15.2	104.7	18.3	13.5
2018	Vault	0	2.0	5.0	46.3	0	0	0	0	77.0	10.0	0	0
2019	Whale Tail	4.0	0	4.0	80.0	119.2	7.5	1.5	45.0	3.0	75.9	3.7	8.3
2019	Vault	0	0	89.2	27.9	0	0	0	0	0	0	0	0
2020	WTHR	1.3	2.8	64.3	235.1	523.8	5.8	0.3	7.4	6.2	0.3	8.6	2.4
2021	WTHR	0.3	0	0	164.7	304.2	59.5	0.5	49.7	25.1	4.1	6.3	2.0
2022	WTHR	4.1	7.1	1.3	115.7	14.6	6.7	0.2	36.3	9.0	6.7	7.1	0.3
2023	WTHR	0.7	0.1	6.4	635.6	181.2	26.5	0	85.3	19.0	64.8	4.4	2.0
2024	WTHR	4.9	1.8	2.9	398.1	56.9	5.8	25.4	4.1	0.9	3.8	219.7	8.1
2025	WTHR	0.8	0	7.7	275.0	357.4	56.8	0.2	0.5	0.2	23.7	24.9	162.8
Average		1.5	1.5	1.7	17.3	191.3	141.6	15.3	3.3	20.8	14.4	26.7	27.2

Notes: Data show the average number of caribou observed for a month of the year, including data from all surveys completed that month. Data are based on the observed number, which might be more inaccurate for larger groups or groups that are further away.

(a) Values provided for 2017 are raw counts and are not adjusted for survey effort. The number of surveys per month is not available to make this adjustment.

3.5.3 Caribou Counts Along AWAR and WTHR

The total number of caribou observed in 2025 along the AWAR during road surveys was the lowest recorded in the last seven years (Figure 3-1). The total number of caribou observed along the WTHR in 2025 during road surveys was the third highest on record, behind 2019 and 2023 (Figure 3-1). Note, total counts across years are not corrected for differences in sampling effort (i.e., the number of surveys), meaning that increases in caribou total counts may be a direct result of a higher number of surveys conducted annually.

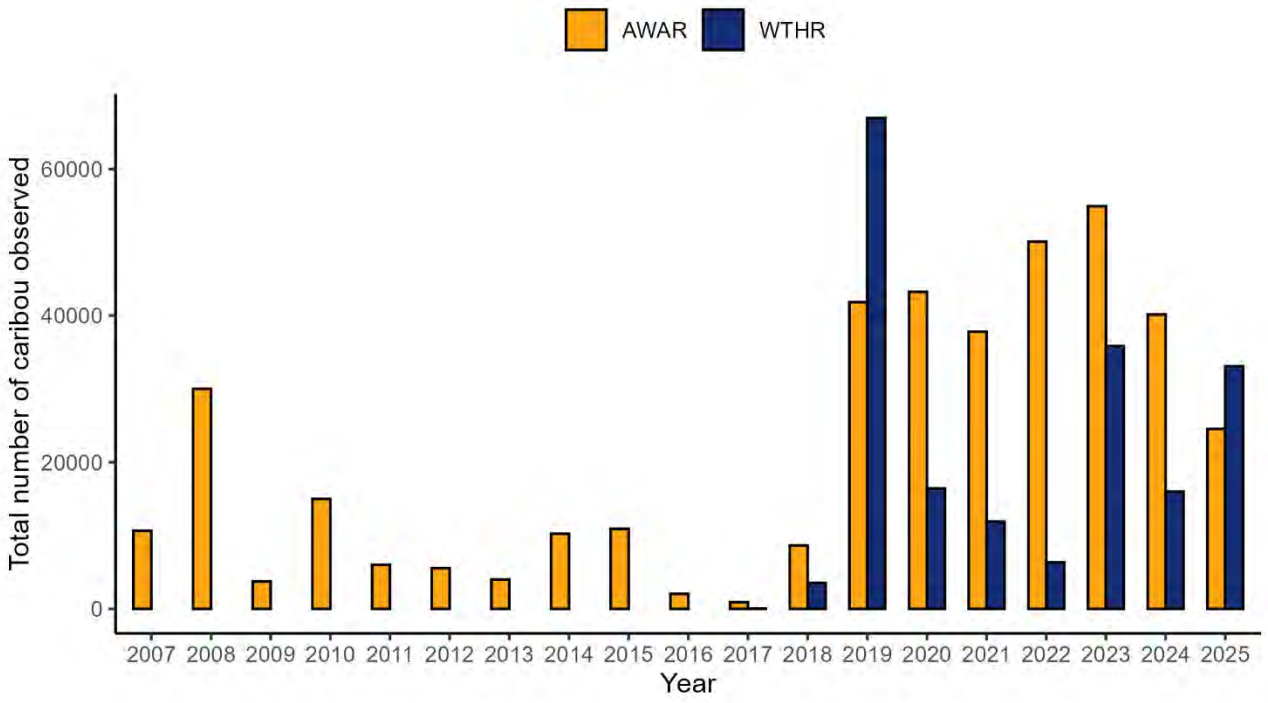


Figure 3-1: Total Number of Caribou Observed Each Year During All-Weather Access Road and Whale Tail Haul Road Surveys

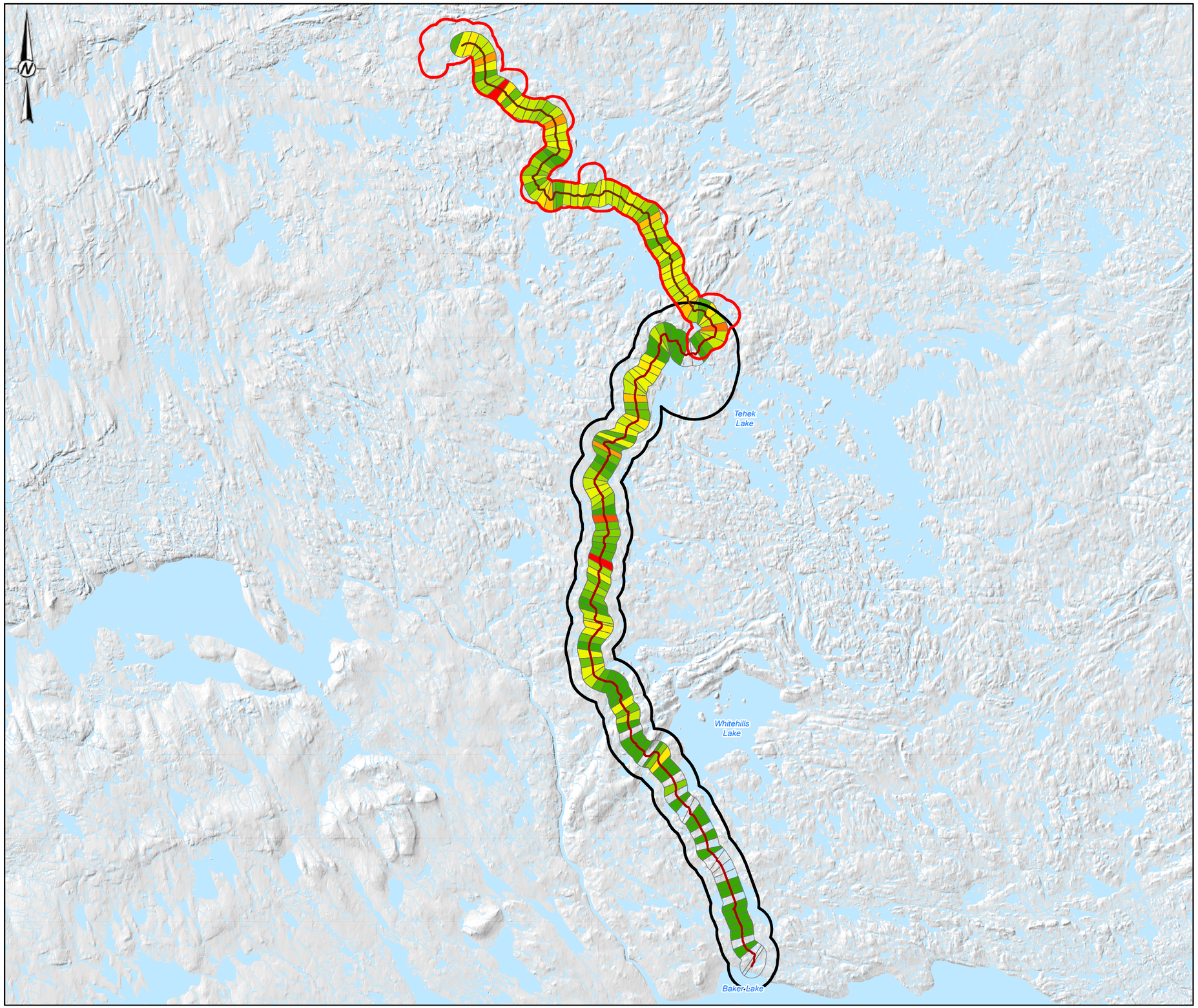
Maps were produced to depict the spatial variation of caribou counts along the AWAR and WTHR and summarized as the total number of caribou for each KM segment of road. Note the survey effort was similar but not equal between the AWAR and WTHR in 2025 (216 AWAR surveys and 224 WTHR surveys), so caution should be taken when making comparisons between the two roads. Caribou observations determine the location and influence the frequency of road surveys. Caribou counts are shown for each segment of the AWAR and WTHR for 2025 for five different time intervals including year-round counts (Figure 3-2); spring and summer counts (Figure 3-3), and fall and winter counts (Figure 3-4). Considering both the AWAR and WTHR, caribou migration paths appear different across seasons with spring migration observed on both roads (primarily on the WTHR) and near the Meadowbank Complex and fall migration occurring primarily further south along the AWAR.

Year-round caribou counts along the AWAR varied substantially with totals ranging between 0 to 2,786 caribou for each 1-km section of road, though most kilometre sections had caribou counts fewer than 500 caribou (Figure 3-2). Caribou counts were lowest along the southern section near Whitehills Lake with annual median of 8 caribou from KMs 1 to 40. The highest counts were observed between KMs 66 to 98 on the north section of the road near Tehek Lake where an average of 332 caribou were observed. In the spring there were few observations along the southern half of AWAR, with an average of around 12 caribou per KM from KMs 1 to 60. The most caribou observations occurred between KMs 92 and 98 west of Tehek Lake and northwest of Whitehills Lake. There were between 330 to 1,189 caribou observed in the spring throughout these sections (Figure 3-3). During the summer months, caribou counts were relatively low along the AWAR, but caribou were still observed in most 1-km segments north of KM 32 (Figure 3-3). During the fall, caribou counts were more numerous in the middle portion of the AWAR, with a higher-density pocket between KMs 32 to 82 (Figure 3-4). No caribou were detected within the Meadowbank LSA during the fall. Caribou counts were very low along the AWAR during the winter, with only 8 KM sections with caribou detections (26, 44, 93, 96, 104, 105, 106, and 109; Figure 3-4).

Caribou distributions along the AWAR have changed across years:

- The 2019 analysis caribou counts revealed that from 2008 to 2019 the highest cumulative caribou counts along the AWAR occur in areas closest to the community of Baker Lake and south and north of Whitehills Lake (Agnico Eagle 2020).
- Road survey results from 2020 found a similar pattern of year-round distribution along the AWAR and identified the stretch of road from KMs 14 to 18 along the AWAR as a higher-density congregation area for caribou, particularly in the summer and fall.
- The 2021 road survey data shows the opposite pattern with the lowest cumulative caribou counts occurring near Baker Lake across all seasons.
- The 2023 observations show similar patterns to the cumulative caribou counts prior to 2020, where the highest density of caribou were observed north of Baker Lake, west of Tehek and northwest of Whitehills Lake, and this pattern was repeated again in 2024.
- The 2025 road survey observations showed a similar pattern to 2023 and 2024, except observations closer to Baker Lake were lower (Figure 3-2).

Annual caribou counts ranged between 42 and 2,538 along the WTHR with caribou detections in every 1-km segment of road (Figure 3-2). Caribou counts were generally higher at the northern and southern ends of the WTHR, especially at KM 113 and 169. The high count at KM 113 aligns with the high-density area near the south end of the WTHR as observed during 2020, 2021, 2023, and 2024 road surveys within the Meadowbank Complex. Caribou counts along the WTHR were highest in the spring (Figure 3-3). Conversely, caribou detections were very low in summer, fall, and winter along the WTHR and only occurred at a few spots along the road (Figure 3-3, Figure 3-4). These seasonal patterns align with those that occurred in 2024.



LEGEND

- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)
- WHALE TAIL LOCAL STUDY AREA (LSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WATERCOURSE
- WATERBODY

CARIBOU COUNT

- 1 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 250
- 250 - 500
- 500 - 750
- 750 - 1000
- 1000 - 1250
- 1250 - 1500
- 1500 - 1750
- 1750 - 2000
- 2000 - 2500
- 2500 - 3000

*EMPTY SECTIONS REFLECT CARIBOU COUNT = 0

0 10,000 20,000

1:500,000 METRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

CARIBOU COUNTS ALONG THE ALL-WEATHER ACCESS ROAD AND WHALE TAIL HAUL ROAD, YEAR-ROUND (2025)

CONSULTANT

wsp

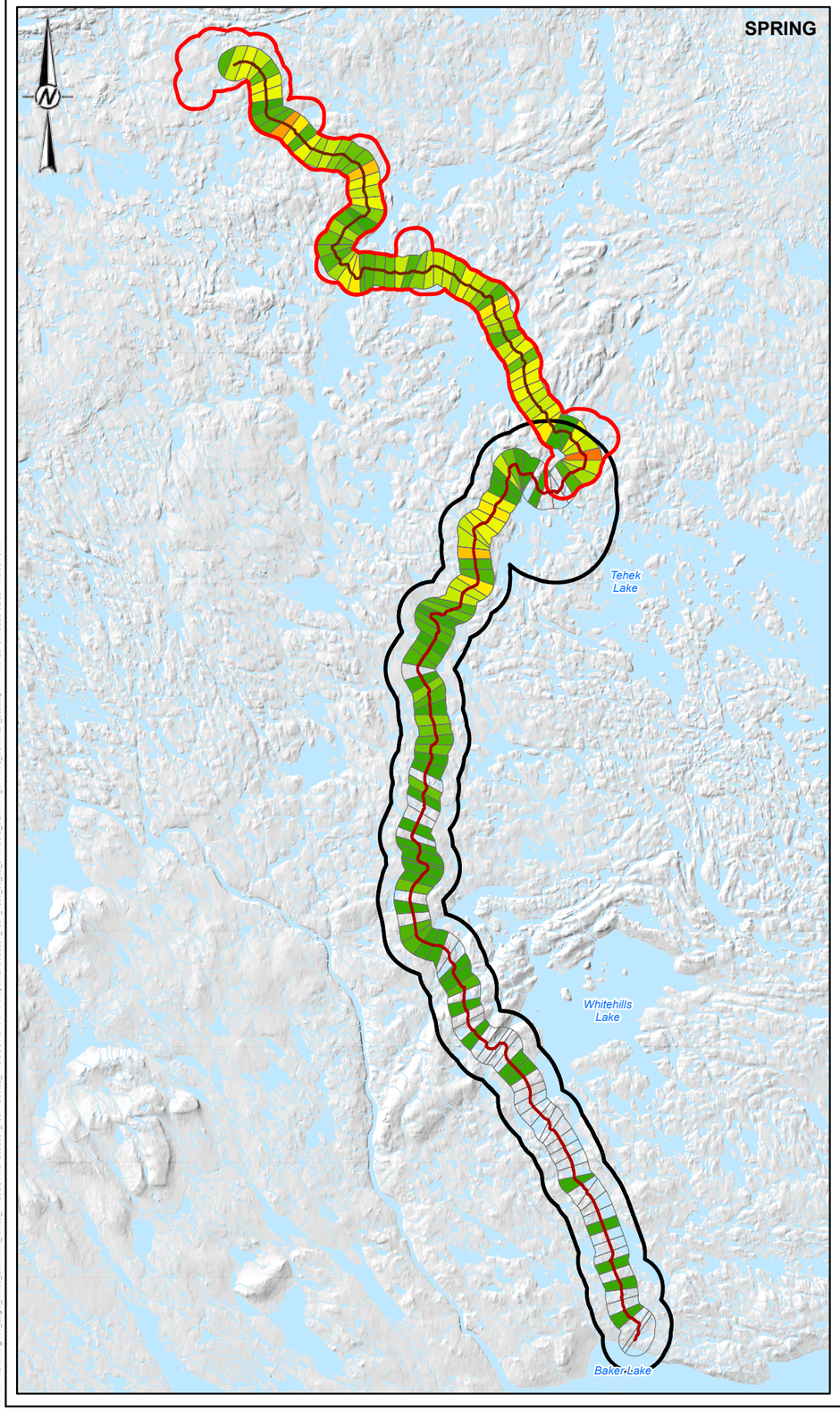
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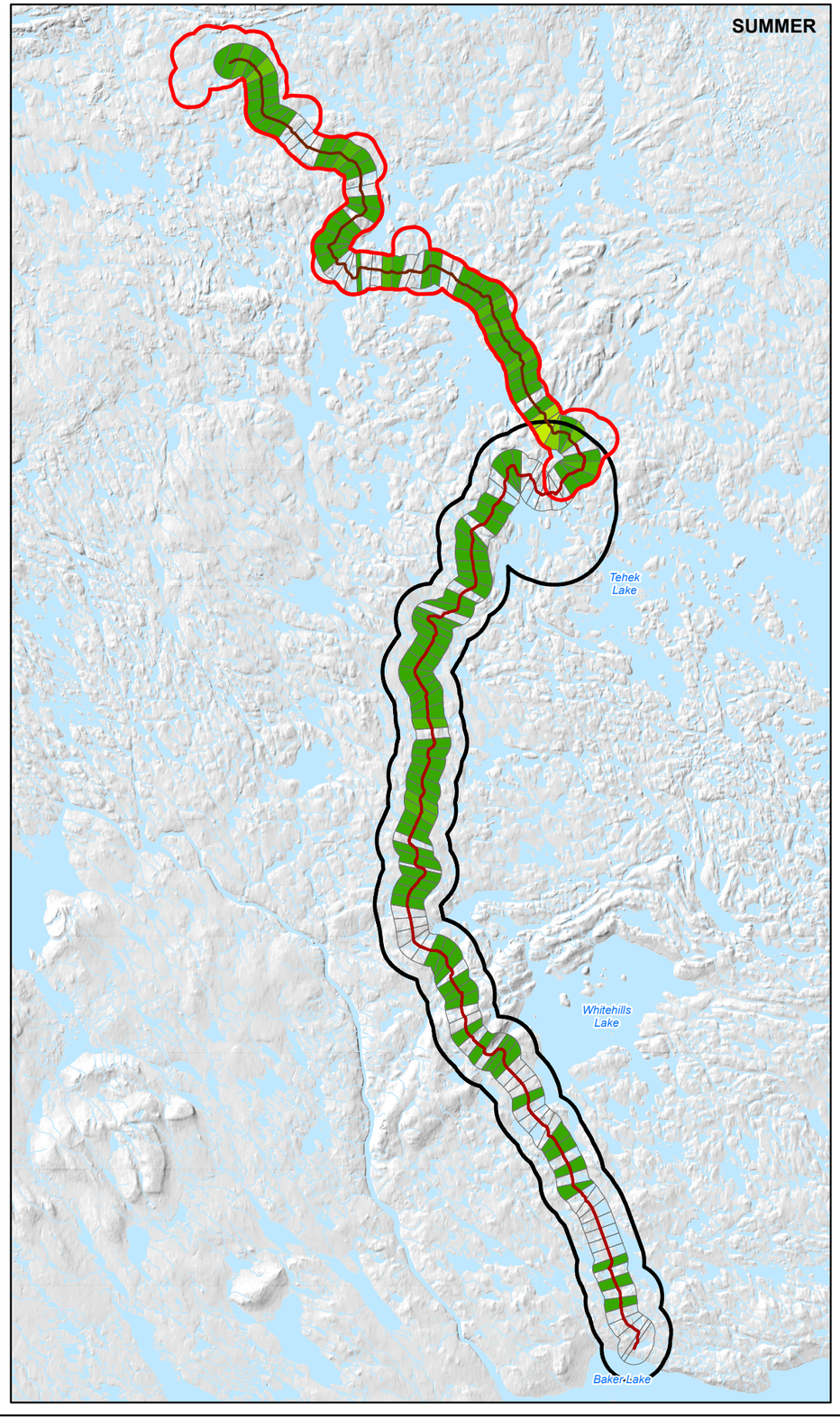
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LEGEND

- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)
- WHALE TAIL LOCAL STUDY AREA (LSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WATERCOURSE
- WATERBODY

CARIBOU COUNT

- 1 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 250
- 250 - 500
- 500 - 750
- 750 - 1000
- 1000 - 1250
- 1250 - 1500
- 1500 - 1750
- 1750 - 2000
- 2000 - 2500
- 2500 - 3000

*EMPTY SECTIONS REFLECT CARIBOU COUNT = 0

0 10,000 20,000

1:500,000 METRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED: MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

CARIBOU COUNTS ALONG THE ALL-WEATHER ACCESS ROAD AND WHALE TAIL HAUL ROAD, SPRING-SUMMER (2025)

CONSULTANT

wsp

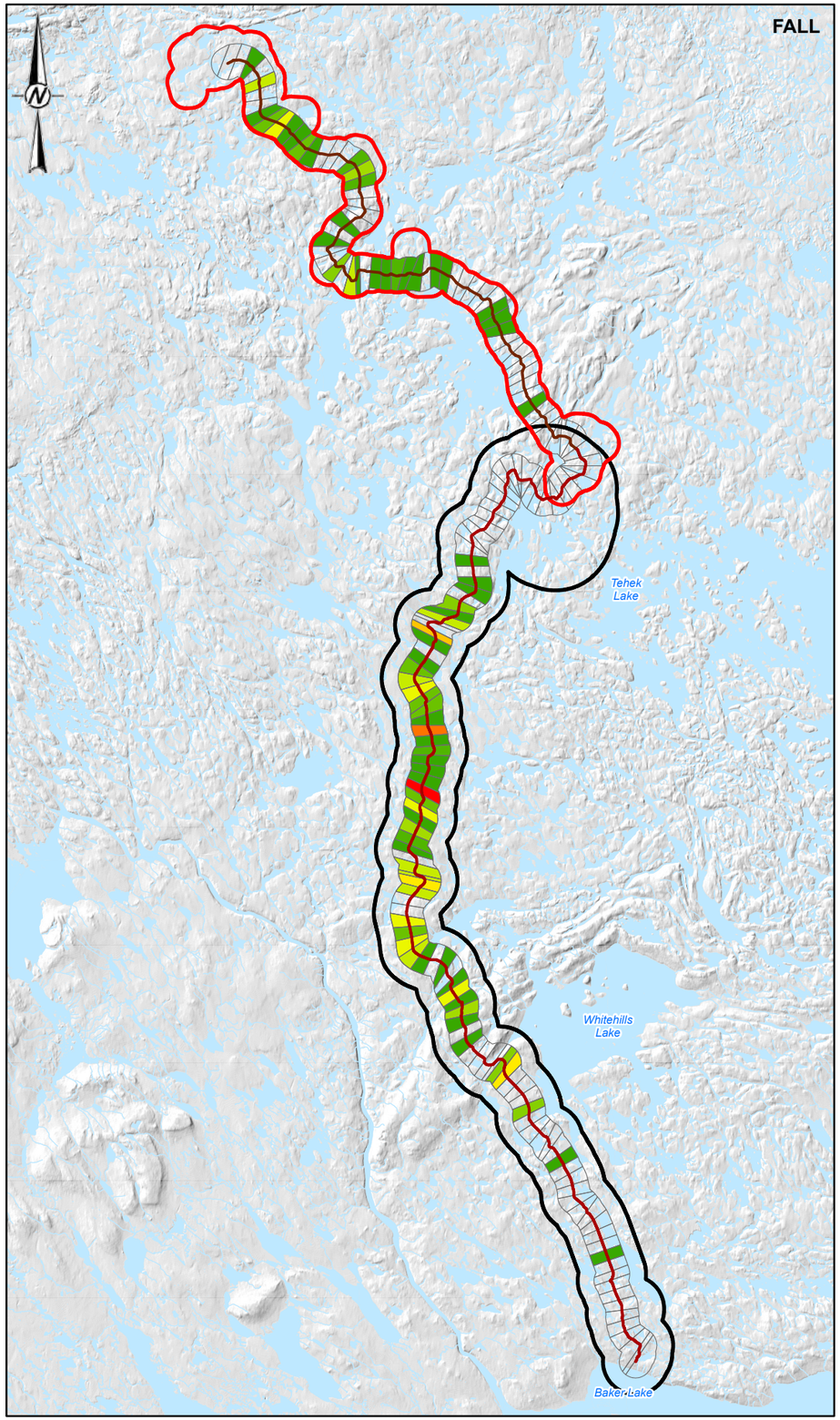
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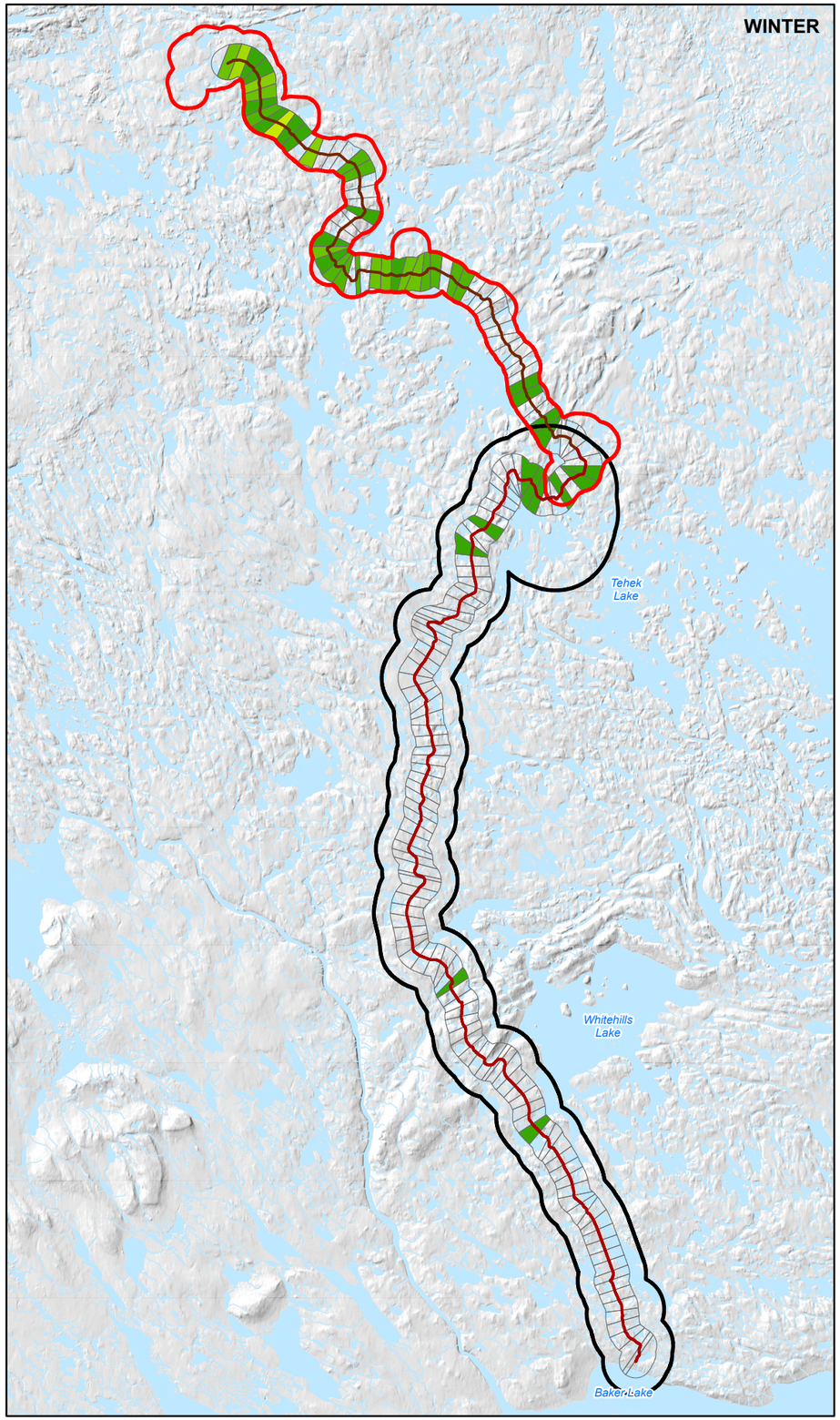
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LEGEND

- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)
- WHALE TAIL LOCAL STUDY AREA (LSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WATERCOURSE
- WATERBODY

CARIBOU COUNT

- 1 - 50
- 50 - 100
- 100 - 150
- 150 - 200
- 200 - 250
- 250 - 500
- 500 - 750
- 750 - 1000
- 1000 - 1250
- 1250 - 1500
- 1500 - 1750
- 1750 - 2000
- 2000 - 2500
- 2500 - 3000

*EMPTY SECTIONS REFLECT CARIBOU COUNT = 0

0 10,000 20,000
1:500,000 METRES

REFERENCE(S)
1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.
COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT
AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT
MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE
CARIBOU COUNTS ALONG THE ALL-WEATHER ACCESS ROAD AND WHALE TAIL HAUL ROAD, FALL-WINTER (2025)

CONSULTANT
wsp

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PREPARED	CDB
REVIEWED	JF
APPROVED	DC

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3.5.3.1 Group Size Threshold Calculation

Spring and fall GST for 2026 were calculated using 2025 caribou road survey data as well as historical data (Table 3-8). A GST is defined as the group size at, or above which, 75% of caribou observed interacting with Project infrastructure are expected to occur (Agnico Eagle 2019). Observations of caribou within 250 m of the road or greater than 1,000 m away from the road were excluded, based on methods provided by GN (GN 2021). Spring and fall 2025 caribou road survey observations were grouped by season and observations were pooled between the AWAR and WTHR. The number of groups (i.e., number of observations), average group size, group size range, and 75th percentiles were summarized per season in Table 3-7. Spring and fall GSTs for 2026 were calculated by averaging GSTs for the corresponding season across all years with at least 100 caribou groups observed for that season. Variation due to low samples sizes may result in biased GSTs, and GST estimates were considered accurate (unbiased) if there were at least 100 groups observed for a season. There were eight years of spring data with at least 100 caribou group observations (2008, 2018, 2019, 2020, 2021, 2023, 2024, and 2025; Table 3-7), and spring GSTs were averaged across those eight years to calculate a spring 2026 GST of 37 caribou (Table 3-8). There were five years of fall data with at least 100 caribou group observations (2008, 2019, 2022, 2023, and 2024; Table 3-7), and fall GSTs were averaged across those five years to calculate a fall 2026 GST of 86 caribou (Table 3-8). For the purpose of calculating thresholds, GSTs were rounded down to the nearest whole number. Note that because 2025 had fewer than 100 caribou observations, the 2026 GST for fall is the same value as it was for fall 2025 (Table 3-8).

Table 3-7: Caribou Group Observation Sample Sizes for Spring and Fall Road Surveys, 2007-2025

Year	Sample Size[a]		Location[c]	Group Size 75th Percentile Spring	Group Size 75th Percentile Fall
	Spring[b]	Fall[b]			
2007	9	57	AWAR	N/A	N/A
2008	163	143	AWAR	12	100
2009	21	14	AWAR	N/A	N/A
2010	28	34	AWAR	N/A	N/A
2011	38	23	AWAR	N/A	N/A
2012	24	21	AWAR	N/A	N/A
2013	27	9	AWAR	N/A	N/A
2014	33	60	AWAR	N/A	N/A
2015	65	43	AWAR	N/A	N/A
2016	31	10	AWAR	N/A	N/A
2017	4	16	AWAR	N/A	N/A
2018	114	41	AWAR and WTHR	30	N/A
2019	437	127	AWAR and WTHR	60	125
2020	251	55	AWAR and WTHR	34	N/A
2021	373	63	AWAR and WTHR	31	N/A
2022	81	108	AWAR and WTHR	N/A	54
2023	577	156	AWAR and WTHR	55	75
2024	255	132	AWAR and WTHR	26	80
2025	470	72	AWAR and WTHR	48	N/A

(a) Sample size refers to the number of caribou groups observed during road surveys for a given year and season. A minimum of 100 observations is required for the season and year to be included in group size threshold (GST) calculations. Observations of caribou within 250 m of the road or greater than 1,000 m away from the road were excluded, based on methods provided by GN (GN 2021).

(b) Spring = Apr 1 to May 25, Fall = Sep 22 to Dec 15.

(c) AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

N/A = not applicable.

Table 3-8: Caribou GST Summaries for Spring and Fall

Season	Number of Observations[a]	Average group size	Group size range	Group size 75th percentile	Calculated GSTs for 2026[b]
Spring	470	47.3	1-650	48	**37**
Fall	72	105.5	1-849	122.5	**86**

(a) GSTs are considered unbiased when calculated using observations of at least 100 caribou groups.

(b) GSTs for 2026 were calculated by taking the average of all group size thresholds across years for a given season that meet the minimum sample size requirement (n=100).

GST = group size threshold.

3.5.3.2 Caribou Group Compositions

Group composition data were summarized for the spring and fall migration seasons on both the AWAR and WTHR. During both seasons and on both roads, the majority of caribou groups observed were mixed age groups with both cows and bulls (Figure 3-5 and Figure 3-6). During spring, 63.5% of caribou groups were mixed age groups that included cows, bulls, and juveniles, and 34.0% of caribou groups were adult only groups that included cows and bulls. Any animals identified as “juvenile” during spring migration would be yearlings (i.e., born during the prior calving season) or older, not calves. During fall, 68.2% of caribou groups were mixed age groups that included cows, bulls, and juveniles, and 19.6% of caribou groups were adult only groups that included cows and bulls. Any animals identified as “juvenile” during fall migration were most likely young-of-year (i.e., a calf born during the current year calving season). Caribou do not interact during the Project during calving or post-calving seasons, so younger caribou that may be referred to as calves are not observed near the Project. Groups were more likely to be classified as only cows or only bulls if they were smaller (Figure 3-5 and Figure 3-6).

Currently cow to bull and cow to juvenile ratios are not available for mixed age and mixed sex groups due to survey limitations. Collecting demographic information for each caribou group would require additional surveying time, which may not be feasible given the length of road that needs to be covered to complete the survey. Collecting demographic information would also have limitations based on the total number of caribou per group and the distance or the caribou group from the observer. Agnico Eagle will review options for improving observations that distinguish cow/juvenile groups from other groups for future caribou observations without compromising primary survey objectives.

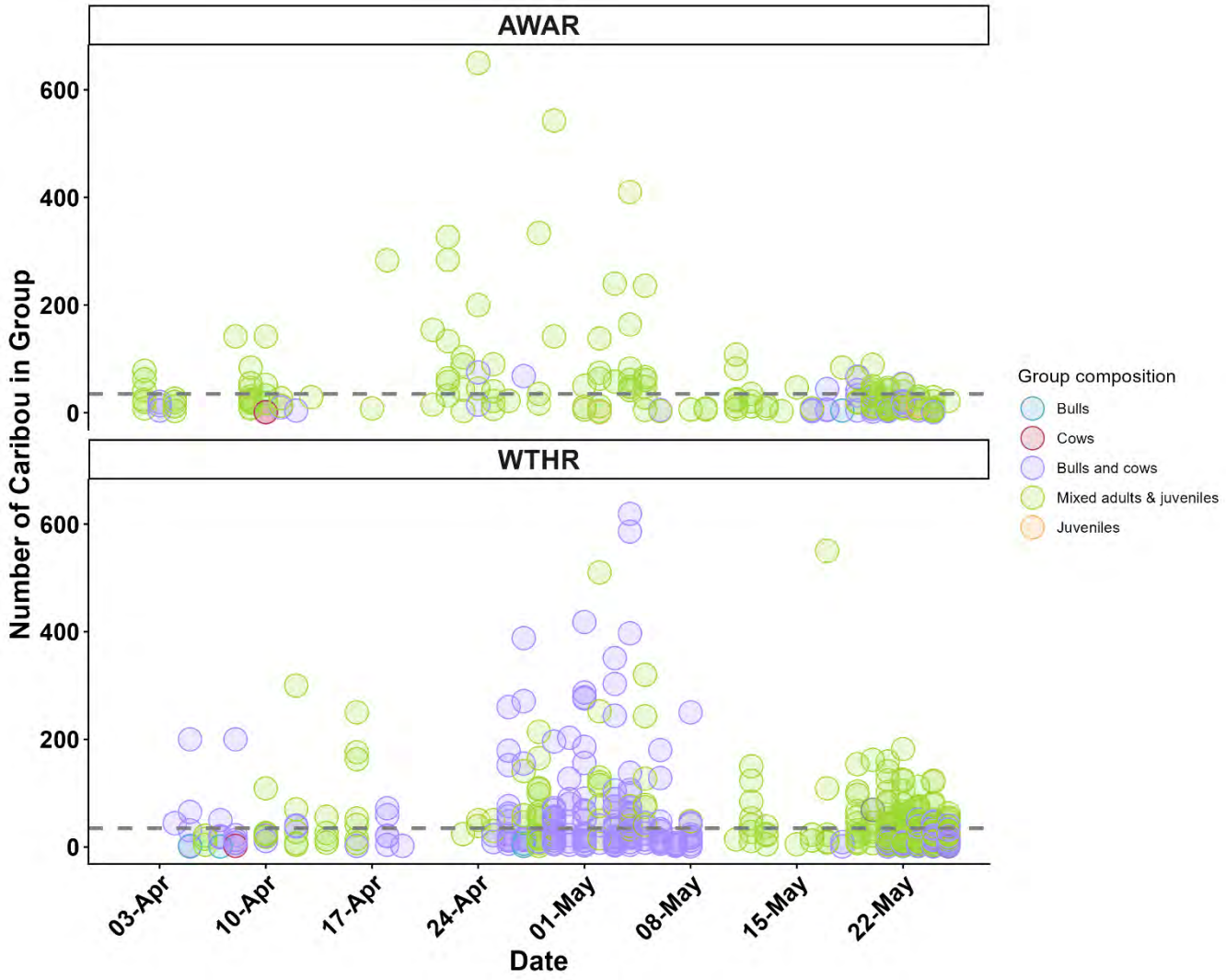


Figure 3-5: Age-sex Composition of Caribou Groups Observed During 2025 Spring Road Surveys on the All-Weather Access Road and Whale Tail Haul Road. The Spring 2025 GST Value of 35 is Shown with a Grey Dashed Line.

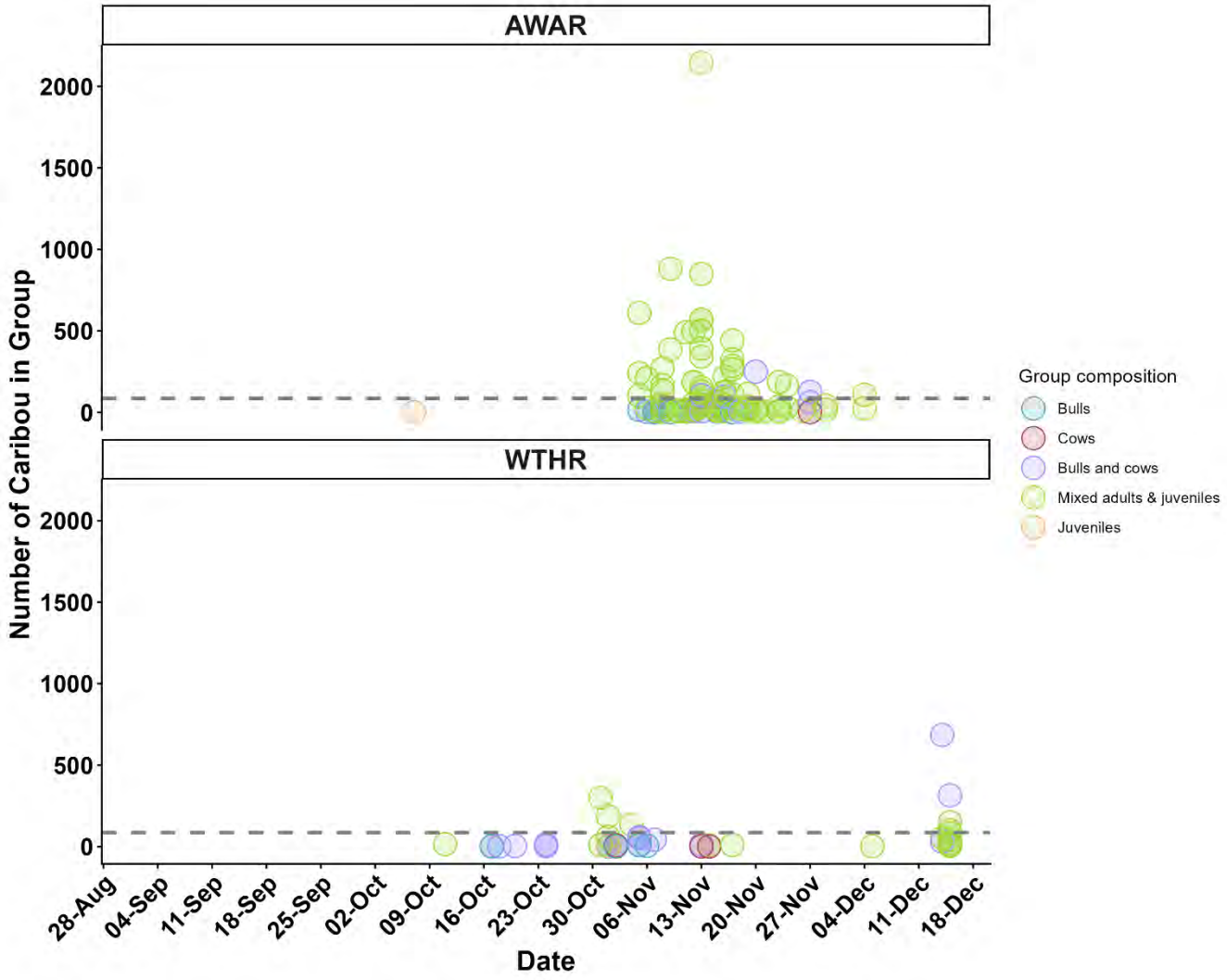


Figure 3-6: Age-sex Composition of Caribou Groups Observed During 2025 Fall Road Surveys on the All-Weather Access Road and Whale Tail Haul Road. The Fall 2025 GST Value of 86 is Shown with a Grey Dashed Line.

3.5.4 Wildlife Observations Along the AWAR and WTHR

Eight mammalian species and nine avian species were detected and identified during road surveys in 2025 (two avian species were not identified to the species level; Table 3-9). Seven mammal species were observed at both AWAR and WTHR, including Arctic fox (*Vulpes lagopus*), Arctic ground squirrel (*Urocitellus parryii*), Arctic hare (*Lepus articus*), caribou, muskox, wolf (*Canis lupus*), and wolverine (*Gulo gulo*). Grizzly bear (*Ursus arctos*) was only observed at WTHR. Caribou and muskox were the most frequently observed mammals. Seven avian species were observed at both sites including Canada goose (*Branta canadensis*), common raven (*Corvus corvax*), gyrfalcon (*Falco rusticolus*), peregrine falcon (*Falco peregrinus*), ptarmigan sp. (*Lagopus* sp.), sandhill crane (*Antigone canadensis*) and snow goose (*Chen caerulescens*). Bald eagle (*Haliaeetus leucocephalus*) was only observed at AWAR, and a swan species (*Cygnus* sp.) was only observed at WTHR. At both AWAR and WTHR Snow geese were the most frequently observed species.

Seven mammalian species and nine avian species were detected and identified incidentally on the AWAR and WTHR in 2025 (Table 3-10). In addition to identified species, one unidentified mammal (either Arctic fox or Arctic hare) was observed on the WTHR. All identified mammalian species observed were recorded on both roads, including Arctic fox, Arctic ground squirrel, Arctic hare, caribou, muskox, wolf and wolverine. On both roads, caribou and muskox were the most frequently observed species. Snow goose was the most common avian species observed on the AWAR. All bird species identified at WTHR ranged from 1-3 observations. Rough-legged hawk (*Buteo lagopus*) was the only species observed incidentally that was not observed during road surveys.

Table 3-9: Species Detected During Road Surveys at All-Weather Access Road and Whale Tail Haul Road in 2025 by Month

Species Group	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
AWAR														
Mammal	Arctic fox	-	2	2	16	4	1	-	1	1	3	6	4	40
	Arctic ground squirrel	-	-	-	-	6	1	-	6	1	-	-	-	14
	Arctic hare	-	-	-	4	2	2	1	4	5	3	2	4	27
	Caribou	9	27	16	5,024	4,619	489	1	-	-	1	14,233	134	24,553
	Muskox	54	222	100	277	444	169	356	49	2	28	156	113	1,970
	Wolf	1	9	-	-	-	-	1	-	-	-	1	3	15
	Wolverine	-	-	-	-	2	-	-	-	-	-	-	2	4
Bird	Bald eagle	-	-	-	-	-	1	-	2	-	-	-	-	3
	Canada goose	-	-	-	-	1	-	-	216	-	-	-	-	217
	Common raven	-	15	-	-	2	-	-	-	-	-	-	6	23
	Gyrfalcon	-	-	-	-	1	-	-	-	-	-	-	-	1
	Peregrine falcon	-	-	-	-	5	-	-	-	-	-	-	-	5
	Ptarmigan sp.	1	-	-	-	6	11	-	-	-	-	12	1	31
	Sandhill crane	-	-	-	-	76	4	-	4	-	-	-	-	84
	Snow goose	-	-	-	-	17	-	-	1,150	-	-	-	-	1,167
WTHR														
Mammal	Arctic fox	1	-	1	2	1	-	-	-	-	1	4	1	11
	Arctic ground squirrel	-	-	-	-	1	-	1	1	-	-	-	-	3
	Arctic hare	-	-	1	1	-	2	-	-	-	2	-	-	6
	Caribou	4	-	54	7,151	19,659	966	3	6	4	356	672	4,233	33,108
	Grizzly bear	-	-	-	-	2	-	-	-	-	-	-	-	2
	Muskox	5	8	28	681	335	90	100	18	13	19	63	94	1,454
	Unidentified mammal	1	-	-	-	-	-	-	-	-	-	-	-	1
	Wolf	-	-	-	14	18	2	3	2	1	-	-	-	40
	Wolverine	-	-	-	-	1	-	-	-	-	-	-	-	1
Bird	Canada goose	-	-	-	-	-	-	-	8	64	-	-	-	72
	Common raven	-	-	-	-	-	-	-	-	-	-	2	-	2
	Gyrfalcon	-	-	-	-	3	-	-	-	3	-	-	-	6
	Peregrine falcon	-	-	-	-	2	-	-	-	-	-	-	-	2
	Ptarmigan sp.	-	-	-	-	-	-	-	70	30	6	-	-	106
	Sandhill crane	-	-	-	-	3	-	-	-	3	-	-	-	6
	Snow goose	-	-	-	-	-	-	-	305	218	-	-	-	523
	Swan	-	-	-	-	1	-	-	-	-	-	-	-	1

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

Table 3-10: Species Detected Incidentally at All-Weather Access Road and Whale Tail Haul Road in 2025 by Month

Species Group	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
AWAR														
Mammal	Arctic fox	-	1	1	-	1	1	-	-	2	-	-	-	6
	Arctic ground squirrel	-	-	-	-	1	1	-	-	-	-	-	-	2
	Arctic hare	-	-	-	-	-	-	1	2	-	1	1	-	5
	Caribou	-	17	30	7,762	4,413	168	-	-	4	-	11,495	38	23,927
	Muskox	6	-	21	155	255	99	135	24	-	20	36	28	779
	Wolf	-	-	-	1	2	-	-	-	-	1	1	1	6
	Wolverine	-	-	-	-	-	-	-	-	-	-	1	1	2
Bird	Bald eagle	-	-	-	-	-	3	-	-	-	-	-	-	3
	Canada goose	-	-	-	-	-	6	-	-	-	-	-	-	6
	Common raven	-	-	-	-	-	-	-	-	-	-	26	-	26
	Gyrfalcon	-	-	-	-	1	-	-	-	-	-	-	-	1
	Peregrine falcon	-	-	-	-	3	-	-	-	1	-	-	-	4
	Ptarmigan	-	-	-	-	1	1	-	-	-	-	-	-	2
	Sandhill crane	-	-	-	-	9	2	-	5	-	-	-	-	16
	Snow goose	-	-	-	-	-	-	-	1,405	-	-	-	-	1,405
WTHR														
Mammal	Arctic fox	-	-	1	-	1	-	1	-	1	-	1	3	8
	Arctic ground squirrel	-	-	-	-	-	-	2	1	-	-	-	-	3
	Arctic hare	1	-	-	1	-	1	1	1	-	-	-	-	5
	Caribou	43	15	2	10,779	18,315	674	1	1	1	704	898	3,808	35,241
	Muskox	-	2	11	449	327	48	66	14	3	11	48	59	1,038
	Wolf	14	1	-	1	1	2	1	-	-	-	-	1	21
	Wolverine	-	-	-	3	2	-	-	-	-	-	-	-	5
Bird	Bald eagle	-	-	-	-	1	-	-	-	-	-	-	-	1
	Gyrfalcon	-	-	-	-	1	-	-	-	-	-	-	-	1
	Peregrine falcon	-	-	-	-	1	-	1	-	-	-	-	-	2
	Ptarmigan	-	-	-	-	-	-	3	-	-	-	-	-	3
	Rough-legged hawk	-	-	-	-	-	-	-	1	-	-	-	-	1

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

3.5.5 Road-related Mitigation

Road-related monitoring and mitigation were implemented according to decision tree Figures 7 and 8 of the TEMP version 9 (Agnico Eagle 2025a). Collar location maps were useful in assessing the need for increased road monitoring. Road-related mitigation related to caribou presence in 2025 resulted in road closures and a corresponding reduction in total vehicle movements (Section 3.6.7). Outside of the fall migration period, road closures were implemented, or vehicle movements were restricted (e.g., light vehicles only, speed limit enforced) in response to high caribou numbers.

Regular wildlife warnings were communicated by dispatch based on observation and monitoring data. The road supervisors and operators also ensured protection of wildlife by assisting in surveillance and closing roads as needed. Radio notices reminding operators of the appropriate speed limit were made frequently by dispatchers. During caribou peak migration, notices were sent to all road occupants, regulatory agencies, local groups, and wildlife consultants were notified, and road survey efforts were increased.

3.5.6 AWAR and WTHR Closures

Significant movements of caribou and muskox occurred along the AWAR throughout May, June, and November in 2025, resulting in multiple closures to Project-related traffic. The AWAR was closed (i.e., 24-hour closure) on 56 days in 2025, with 38 days due to caribou, 17 days due to weather, and 1 day for both caribou and maintenance (Table 3-11). The AWAR had closure days with less than 24 hours of closure on 74 occasions, including 24 closure days due to caribou (Table 3-11). In total, the AWAR was closed for a total of 2,156 hours in 2025, with the highest number of closure hours reported in April, May, and November due to caribou migration (Table 3-12). Speed restrictions were applied on 41 days on the AWAR and were applied in response to caribou or muskox presence (Table 3-11). In total, there were 109 days in 2025 (i.e., 29.9% of the year) with road closures and restrictions applied on the AWAR in response to caribou or muskox (Table 3-11). Full summaries of AWAR road closures, restrictions, and reason for reopening are available in Appendix B in Table B-1.

The WTHR was fully closed (i.e., 24-hour closure) on 43 days, with 26 days due to caribou, 6 days due to weather, and 1 day due to both weather and wildlife (Table 3-11). In addition to the GST related caribou closures, there was also a lead caribou 10-day closure, therefore road closures occurred due to caribou for 36 days in total (Table 3-11). The WTHR experienced closures less than 24 hours on 64 days, with 25 days related to wildlife (Table 3-11). In total, the WTHR was closed for a total of 1,660 hours in 2025, with the highest number of closure hours reported in April and May due to caribou migration and December due to both wildlife and weather (Table 3-12). Speed restrictions were applied on 20 days on the WTHR, all of which were applied in response to caribou and/or muskox presence (Table 3-11). Traffic restrictions were applied on the WTHR on 33 days (Table 3-11). In total, there were 96 days in 2025 with road closures and restrictions applied on the WTHR in response to caribou and/or muskox (Table 3-11). Full summaries of WTHR road closures, restrictions, and reasons for reopening are available in Appendix B in Table B-2.

Table 3-11: Number of Days with Road Closures and Restrictions Implemented Along the All-Weather Access Road and Whale Tail Haul Road, 2025

Closure Status	Cause	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
AWAR														
Closure 24 hours	10 Days Closure	-	-	-	-	-	-	-	-	-	-	-	-	0
	Caribou	-	-	-	14	9	-	-	-	-	-	15	-	38
	Caribou/ Maintenance[b]	-	-	-	1	-	-	-	-	-	-	-	-	1
	Weather	5	1	4	3	2	-	-	-	-	-	1	1	17
Closure < 24 hours	Caribou	-	-	-	6	10	-	-	-	-	-	6	1	23
	Caribou/ Maintenance[a]	-	-	-	1	-	-	-	-	-	-	-	-	1
	Cyanide Convoy	-	-	-	-	-	-	-	6	-	-	-	-	6
	Other	-	1	-	-	-	-	-	-	-	-	-	-	1
	Other/Weather[b]	-	1	-	-	-	-	-	-	-	-	-	-	1
	Weather	12	6	7	-	3	-	-	-	2	4	2	6	42
Speed Restriction	Caribou/Muskox	1	6	3	-	1	12	14	-	1	1	-	2	41
Traffic Restriction[a]	Caribou	-	-	-	-	4	1	-	-	-	-	-	-	5
	Weather	2	7	1	-	-	-	1	-	-	2	-	-	13
WTHR														
Closure 24 hours	10 Days Closure	-	-	-	10	-	-	-	-	-	-	-	-	10
	Caribou	-	-	-	10	13	-	-	-	-	-	1	2	26
	Caribou/Weather	-	-	-	1	-	-	-	-	-	-	-	-	1
	Weather	2	1	2	-	-	-	-	-	-	-	-	1	6
Closure < 24 hours	Caribou	-	-	-	3	11	-	-	-	-	1	1	6	22
	Caribou/Weather	-	-	-	-	-	-	-	-	-	-	2	1	3
	Maintenance	-	-	-	-	-	-	-	-	1	-	-	-	1
	Weather	9	6	6	-	-	-	-	-	2	1	7	7	38
Speed Restriction	Caribou/Muskox	3	-	1	-	1	3	7	3	-	-	1	1	20
Traffic Restriction[a]	Caribou	-	-	-	-	5	5	-	-	-	-	-	3	13
	Caribou/Weather	-	-	-	1	-	-	-	-	-	-	-	-	1
	Weather	2	3	1	-	-	-	3	-	2	5	3	-	19

(a) Traffic restricted to light vehicles only.

(b) Road closures occurred for different reasons throughout the day.

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

Table 3-12: Number of Road Closure Hours Due to Ungulate Activity, Weather, or Maintenance Along the All-Weather Access Road and Whale Tail Haul Road, 2025

Closure Status	Cause	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
AWAR														
Closure 24 hours	10 Days Closure	-	-	-	-	-	-	-	-	-	-	-	-	0
	Caribou	-	-	-	336	216	-	-	-	-	-	360	-	912
	Caribou/ Maintenance[(a)]	-	-	-	24	-	-	-	-	-	-	-	-	24
	Weather	120	24	96	72	48	-	-	-	-	-	24	24	408
Closure < 24 hours	Caribou	-	-	-	67.4	146.4	-	-	-	-	-	70.8	4.2	288.8
	Caribou/ Maintenance[(a)]	-	-	-	1.7	-	-	-	-	-	-	-	-	1.7
	Cyanide Convoy	-	-	-	-	-	-	-	31.3	-	-	-	-	31.3
	Other	-	0.9	-	-	-	-	-	-	-	-	-	-	0.9
	Other/Weather[(a)]	-	13.4	-	-	-	-	-	-	-	-	-	-	13.4
	Weather	127.8	82.8	93.6	-	26.2	-	-	-	13.3	47.4	20.4	64.1	475.6
WTHR														
Closure 24 hours	10 Days Closure	-	-	-	240	-	-	-	-	-	-	-	-	240
	Caribou	-	-	-	240	312	-	-	-	-	-	24	48	624
	Caribou/ Weather[(a)]	-	-	-	24	-	-	-	-	-	-	-	-	24
	Weather	48	24	48	-	-	-	-	-	-	-	-	24	144
Closure < 24 hours	Caribou	-	-	-	48.4	113.7	-	-	-	-	12.4	11.5	63.8	249.8
	Caribou/ Weather[(a)]	-	-	-	-	-	-	-	-	-	-	36.3	17.2	53.5
	Maintenance	-	-	-	-	-	-	-	-	9.3	-	-	-	9.3
	Weather	59.8	76.8	56.8	-	-	-	-	-	12.1	1.7	48.6	59.8	315.6

(a) Road closures occurred for different reasons throughout the day.

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

The percentage of caribou during road and incidental surveys that encountered the AWAR when closed was 99.2% during spring (20,625 of 20,796 caribou observed in spring) and 99.5% in fall (25,754 of 25,894 caribou observed in fall; Table 3-13). The percentage of observed caribou that encountered the WTHR when closed was 99.6% during the spring (53,537 out of 53,762 caribou observed in spring) and 97.4% during the fall (5,571 of 5,722 caribou observed in fall; Table 3-13). Percentages were calculated based on the sum of caribou counts on each road based on closure status for the day of observation (i.e., open versus closure), with both 24-hour closures and less than 24-hour closures considered together for the purpose of this calculation. For both roads and in both seasons, the GST objective of 75% was surpassed.

Table 3-13: Percentage of Caribou Encountering Closed Roads

Road	Season[(a)]	Number of Caribou Encountering Closed Roads	Total Caribou Observations	Percentage of Caribou Encountering Closed Road
AWAR	Spring	20,625	20,796	99.2
	Fall	25,754	25,894	99.5
WTHR	Spring	53,537	53,762	99.6
	Fall	5,571	5,722	97.4

(a) Spring = Apr 1 to May 25, Fall = Sep 22 to Dec 15.
AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

3.5.7 Traffic Data

Total one-way traffic along the AWAR in 2025 included 7 heavy equipment, 15,218 medium equipment, and 6,950 light equipment vehicles for a total of 22,175 vehicles (Table 3-14). Heavy equipment refers to haul trucks, long haul trucks, medium equipment refers to tankers, graders, snowplows, cement trucks, fuel trucks, tractor-trailers, and other similar sized vehicles, and light equipment refers to pick-up trucks, bus, water trucks, cube trucks, ambulance, and other similar sized vehicles. Total traffic along the WTHR included 60,842 heavy equipment, 4,850 medium equipment, and 2,247 light equipment vehicles, for a total of 67,939 vehicles (Table 3-15). Total traffic along the AWAR was about 5% higher in 2025 than the 2024 total of vehicles (n = 21,133), and traffic along the WTHR was 5% lower in 2025 compared to the vehicles in 2024 (n = 71,782; WSP 2025). Monthly vehicle traffic for the AWAR and WTHR fluctuated throughout the year (Figure 3-7). Lowest traffic rates on the AWAR occurred in April and May, and highest traffic rates occurred in September (Table 3-14; Figure 3-7). On the WTHR, lowest traffic rates were recorded in April and May, and highest traffic rates were recorded in June through August (Table 3-15; Figure 3-7). Caribou counts for the months of April and May were high along the WTHR and for the month of November along the AWAR (Table 3-9), which coincided with spring and fall migration, and the low traffic rates in April and May along the WTHR due to applied mitigations.

During periods of road closures or Level 3 status, a daily meeting is held with all departments to validate the essential needs requiring access to the roads. From this meeting, departure time, departure location, and the list of vehicles authorized to travel on the road will be determined. Only essential vehicles (vehicles operated for the purpose of maintaining the safety of personnel, Emergency Response Team (ERT), security and wildlife monitoring) are permitted in convoys per the TEMP (Agnico Eagle 2025a). Environment personnel will meet the vehicles at agreed upon time and departure location and validate the list of authorized vehicles to escort them along the road. Vehicles in a convoy are instructed to stay a minimum of 1 km behind the pilot vehicle unless otherwise instructed by the pilot vehicle. KivIA and HTO representative regularly participated in leading the essential vehicles.

There were 43 convoys between 3 April and 27 November along the AWAR (including 6 convoys for the cyanide convoy during August), and 61 convoys between 7 April and 26 December along the WTHR in 2025 (Table 3-16). Note that convoys were included as one-way trips, meaning a round trip on a single day would be considered two separate convoys. Convoys occurred during road closures, but convoys did not occur on all days where roads were closed. Light vehicles were the most common vehicle type (n=329; Table 3-16).

Table 3-14: Monthly Traffic Data for the Meadowbank All-Weather Access Road in 2025

Month	Heavy Equipment	Medium Equipment	Light Equipment	Total
January	0	909	327	1,236
February	2	656	352	1,010
March	0	840	341	1,181
April	0	361	364	725
May	0	542	314	856
June	5	1,967	790	2,762
July	0	1,659	541	2,200
August	0	1,681	574	2,255
September	0	2,104	977	3,081
October	0	1,933	746	2,679
November	0	1,059	923	1,982
December	0	1,507	701	2,208
Total	**7**	**15,218**	**6,950**	**22,175**

Note: Heavy equipment = haul trucks, long haul trucks; Medium equipment = tankers, graders, snowplows, cement trucks, fuel trucks, tractor-trailers, and other similar sized vehicles; Light equipment = pick-up trucks, bus, water trucks, cube trucks, and other similar sized vehicles.

Table 3-15: Monthly Traffic Data for the Meadowbank Whale Tail Haul Road in 2025

Month	Heavy Equipment	Medium Equipment	Light Equipment	Total
January	4,914	339	159	5,412
February	4,990	231	95	5,316
March	5,038	458	263	5,759
April	1,444	169	173	1,786
May	2,952	302	250	3,504
June	6,896	372	136	7,404
July	6,524	682	179	7,385
August	6,356	467	213	7,036
September	6,148	449	159	6,756
October	6,042	444	194	6,680
November	5,050	624	186	5,860
December	4,488	313	240	5,041
Total	**60,842**	**4,850**	**2,247**	**67,939**

Note: Heavy equipment = haul trucks, long haul trucks; Medium equipment = tankers, graders, snowplows, cement trucks, fuel trucks, tractor-trailers, and other similar sized vehicles; Light equipment = pick-up trucks, bus, water trucks, cube trucks, and other similar sized vehicles.

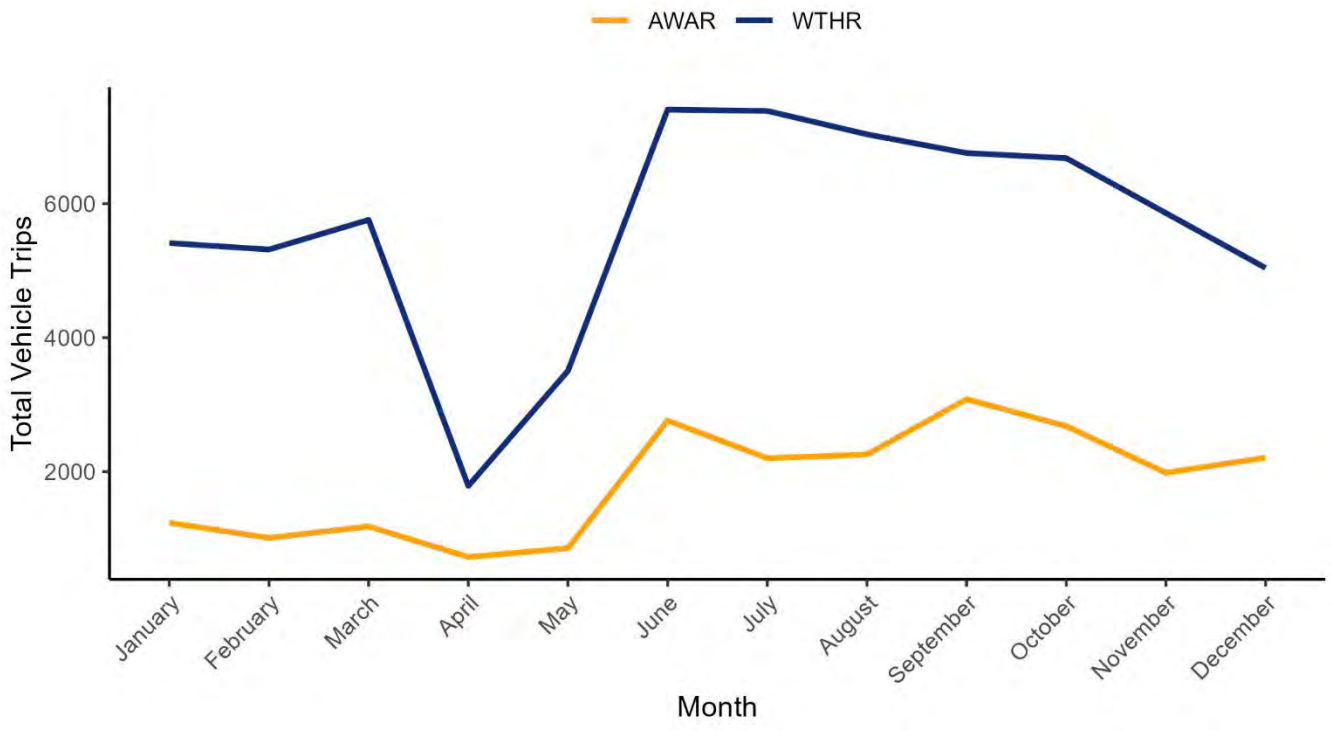


Figure 3-7: Total Vehicle Traffic (One-way Trips) Along All-Weather Access Road and Whale Tail Haul Road per Month in 2025

Table 3-16: Convoy Tracker for the AWAR and WTHR in 2025

Date	Direction of Travel	Convoy Type/Decision for Convoy	Light	Medium	Heavy	Total[(a)]
AWAR						
2025-04-03	North	Essential	2	0	0	2
2025-04-03	South	Essential	2	0	0	2
2025-04-08	North	Essential	3	0	0	3
2025-04-08	South	Essential	3	0	0	3
2025-04-10	North	Essential	3	1	0	4
2025-04-10	South	Essential	3	1	0	4
2025-04-12	South	Operational	1	1	0	2
2025-04-18	North	Essential	3	0	0	3
2025-04-18	South	Essential	3	0	0	3
2025-04-22	North	Essential	3	0	0	3
2025-04-22	South	Essential	3	0	0	3
2025-04-25	North	Essential	4	1	0	5
2025-04-25	South	Essential	4	1	0	5
2025-04-29	North	Essential	3	0	0	3
2025-04-29	North	Operational	1	6	0	7
2025-04-29	South	Operational	3	6	0	9
2025-05-01	North	Essential	3	0	0	3
2025-05-01	South	Essential	3	0	0	3
2025-05-06	North	Essential	3	0	0	3
2025-05-06	South	Essential	3	0	0	3
2025-05-15	North	Essential	3	1	0	4
2025-05-15	South	Essential	3	1	0	4
2025-05-22	North	Operational	3	6	0	9
2025-05-22	South	Essential	4	0	0	4
2025-05-23	South	Operational	1	3	0	4
2025-08-03	North	Cyanide	2	12	0	14
2025-08-04	North	Cyanide	2	12	0	14
2025-08-05	North	Cyanide	2	9	0	11
2025-08-13	North	Cyanide	2	12	0	14
2025-08-14	North	Cyanide	2	12	0	14
2025-08-15	North	Cyanide	2	7	0	9
2025-11-06	North	Essential	3	0	0	3
2025-11-06	South	Essential	3	0	0	3
2025-11-11	North	Essential	3	1	0	4
2025-11-11	South	Essential	3	0	0	3
2025-11-13	North	Essential	3	0	0	3
2025-11-13	South	Essential	3	0	0	3
2025-11-18	North	Essential	3	0	0	3
2025-11-18	South	Essential	3	0	0	3

Table 3-16: Convoy Tracker for the AWAR and WTHR in 2025

Date	Direction of Travel	Convoy Type/Decision for Convoy	Light	Medium	Heavy	Total[(a)]
2025-11-20	North	Operational	3	1	0	4
2025-11-20	South	Operational	3	5	0	8
2025-11-27	North	Essential	3	0	0	3
2025-11-27	South	Essential	3	0	0	3
WTHR						
2025-04-07	North	Essential	4	0	0	4
2025-04-07	South	Essential	4	0	0	4
2025-04-08	North	Essential	4	1	0	5
2025-04-08	South	Essential	4	1	0	5
2025-04-10	North	Essential	5	1	0	6
2025-04-10	South	Essential	5	1	0	6
2025-04-12	North	Operational	3	2	0	5
2025-04-12	South	Essential	3	1	0	4
2025-04-14	North	Essential	4	1	0	5
2025-04-14	South	Essential	4	1	0	5
2025-04-16	North	Essential	5	1	0	6
2025-04-16	South	Essential	5	1	0	6
2025-04-18	North	Operational	5	7	0	12
2025-04-18	South	Essential	4	0	0	4
2025-04-19	South	Operational	1	10	0	11
2025-04-21	North	Operational	3	10	0	13
2025-04-21	South	Essential	3	0	0	3
2025-04-25	North	Essential	3	0	0	3
2025-04-25	South	Essential	3	0	0	3
2025-04-28	North	Essential	4	0	0	4
2025-04-28	South	Essential	3	0	0	3
2025-04-29	North	Essential	3	0	0	3
2025-04-29	South	Essential	4	0	0	4
2025-04-30	North	Essential	4	1	0	5
2025-04-30	South	Essential	3	1	0	4
2025-05-01	North	Essential	4	1	0	5
2025-05-01	South	Essential	4	1	0	5
2025-05-02	North	Essential	3	1	0	4
2025-05-02	South	Essential	4	1	0	5
2025-05-03	North	Operational	1	7	0	8
2025-05-04	South	Operational	1	10	0	11
2025-05-05	North	Operational	4	6	0	10
2025-05-05	South	Essential	4	0	0	4
2025-05-06	North	Operational	3	7	0	10
2025-05-06	South	Operational	4	7	0	11

Table 3-16: Convoy Tracker for the AWAR and WTHR in 2025

Date	Direction of Travel	Convoy Type/Decision for Convoy	Light	Medium	Heavy	Total[(a)]
2025-05-07	North	Operational	4	6	0	10
2025-05-07	South	Operational	4	7	0	11
2025-05-08	North	Operational	4	1	0	5
2025-05-12	North	Essential	3	1	0	4
2025-05-12	South	Operational	5	1	0	6
2025-05-19	North	Essential	4	0	0	4
2025-05-19	South	Essential	4	0	0	4
2025-05-20	North	Essential	4	0	0	4
2025-05-20	South	Essential	3	0	0	3
2025-05-21	North	Essential	4	0	0	4
2025-05-21	South	Essential	4	0	0	4
2025-05-22	North	Operational	4	3	0	7
2025-05-22	South	Operational	4	2	0	6
2025-05-23	North	Operational	3	6	0	9
2025-05-23	South	Operational	3	3	0	6
2025-05-24	North	Operational	2	6	0	8
2025-05-24	South	Operational	2	6	0	8
2025-05-25	North	Operational	2	6	0	8
2025-05-25	South	Operational	2	6	0	8
2025-11-05	South	Essential	5	0	0	5
2025-12-15	North	Essential	4	1	0	5
2025-12-15	South	Essential	3	0	0	3
2025-12-16	North	Essential	4	0	0	4
2025-12-16	South	Essential	3	0	0	3
2025-12-17	South	Essential	2	1	0	3
2025-12-26	North	Essential	3	0	0	3
		Total[(b)]	332	236	0	568

Note: Heavy equipment = haul trucks, float; Medium equipment = fuel tanker, tractor trailer, roll off, vacuum, lube truck, and other similar sized vehicles; Light equipment = wildlife monitors, pick-up trucks, bus, cube truck, emulsion truck, and other similar sized vehicles.

(a) Total number of vehicles per convoy.

(b) Total number of vehicles by vehicle type summed across all AWAR and WTHR convoys.

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

3.5.8 Caribou Responses to Mitigation

Caribou Crossings

The frequency of road surveys in 2025 demonstrates Agnico Eagle's commitment to minimizing impacts to caribou from the AWAR and WTHR (including Vault Haul Road). Mitigation measures such as reduced speeds, restricted access, convoys, multiple road closures and lead caribou protection function to minimize road-related effects including mortality and injury and to increase caribou passage. Incidental sightings in 2025 recorded in the Wildlife Log (Appendix A) and road surveys showed that caribou crossed roads throughout the year, with especially high numbers during fall and spring migration (Table 3-17). Because road closures are triggered due to caribou presence in close proximity to roads, caribou are more likely to encounter and cross closed roads during migration.

A total of 6,981 caribou were observed crossing the AWAR and 3,540 caribou were observed crossing the WTHR in 2025. For the AWAR, 68% (4,750 of 9,243) of caribou crossing observations occurred during fall. The greatest number of caribou observed crossing the AWAR occurred in November (over 4,642 observations; Figure 3-8). Caribou crossings on the AWAR were observed during April, May, June, November, and December Figure 3-8). During fall migration, 93% (4,426 of 4,750) of observed caribou crossings on the AWAR occurred on dates with a 24-hour AWAR closure (Table 3-17), which is to be expected given that high numbers of caribou observations trigger road closures. For annual caribou crossing observations on the AWAR, 99.6% (6,953 of 6,981 caribou) of observed crossing events occurred on dates with an AWAR closure (including <24 hour and 24 hour closures).

For the WTHR, 93% (3,283 of 3,540) of caribou crossing observations occurred during spring. The month with the greatest number of caribou crossing the WTHR was May with 2,658 caribou crossings observed. Observed caribou crossings on the WHTR occurred in February, April, May, June, October, and December, although February and October only had one observation each (Figure 3-8). During spring migration, 74% (2,415 of 3,283 caribou) of observed caribou crossings on the WTHR occurred on dates with a 24-hour WTHR closure (Table 3-17). For annual caribou crossing observations on the WTHR, 99.5% (3,523 of 3,540 caribou) of observed crossing events occurred on dates with a WTHR 24-hour closure or partial closure, and ~0.5% (16 of 3,540 caribou) occurred on a day with a speed or access restriction in place. One caribou crossing occurred on a day when the WTHR was fully open.

Table 3-17: Observations of Caribou Crossing AWAR and WTHR in 2025

Season[(a)]	Date	Closure Status	Crossing KM	Number of Caribou Crossing
AWAR				
Spring	2025-04-18	Closed	89	230
	2025-04-29	Closed	89	879
	2025-05-04	Closed	96	850
	2025-05-05	Closed	96	236
	2025-05-23	Closed	104	4
	2025-05-24	Partial Closure	103	4
Summer	2025-05-27	Restricted Access	63	7
	2025-06-03	Open	45	6
	2025-06-05	Open	80	10
	2025-06-24	Speed Restriction	60	5
Fall	2025-11-08	Closed	76	10
	2025-11-09	Closed	82	881
	2025-11-11	Closed	45	2
	2025-11-12	Closed	71	10
	2025-11-12	Closed	52	170
	2025-11-13	Closed	66	45
	2025-11-13	Closed	65	42
	2025-11-13	Closed	32	6
	2025-11-13	Closed	51	2,583
	2025-11-16	Closed	57	42
	2025-11-16	Closed	56	25
	2025-11-17	Closed	76	110
	2025-11-17	Closed	50	441
	2025-11-18	Closed	67	25
	2025-11-19	Closed	48	34
	2025-11-23	Partial Closure	87	186
	2025-11-24	Partial Closure	51	30
	2025-12-04	Partial Closure	41	108
			Total	**6,981**
WTHR				
Winter	2025-02-14	Restricted Access	113	1
Spring	2025-04-05	Partial Closure	112	31
	2025-04-14	Closed	113	56
	2025-04-14	Closed	111	15
	2025-04-19	Closed	114	150
	2025-04-24	Partial Closure	118	50
	2025-04-24	Partial Closure	114	39
	2025-04-28	Closed	112	97
	2025-04-28	Closed	162	145
	2025-04-29	Closed	163	56

Table 3-17: Observations of Caribou Crossing AWAR and WTHR in 2025

Season[(a)]	Date	Closure Status	Crossing KM	Number of Caribou Crossing
Spring	2025-05-02	Closed	131	90
	2025-05-03	Closed	147	35
	2025-05-03	Closed	112	131
	2025-05-03	Closed	125	101
	2025-05-04	Closed	123	18
	2025-05-04	Closed	145	20
	2025-05-04	Closed	113	179
	2025-05-04	Closed	160	586
	2025-05-04	Closed	113	6
	2025-05-07	Partial Closure	112	63
	2025-05-07	Partial Closure	114	48
	2025-05-12	Closed	113	92
	2025-05-13	Partial Closure	113	22
	2025-05-14	Partial Closure	110	13
	2025-05-15	Partial Closure	113	75
	2025-05-18	Partial Closure	113	160
	2025-05-19	Partial Closure	113	345
	2025-05-19	Partial Closure	124	22
	2025-05-20	Closed	113	162
	2025-05-21	Closed	131	24
	2025-05-21	Closed	113	159
	2025-05-24	Closed	155	13
	2025-05-24	Closed	176	100
	2025-05-24	Closed	157	73
	2025-05-24	Closed	127	45
	2025-05-25	Closed	118	3
	2025-05-25	Closed	112	4
	2025-05-25	Closed	177	55
Summer	2025-05-26	Partial Closure	162	14
	2025-06-02	Open	154	1
	2025-06-04	Restricted Access	137	14
Fall	2025-10-17	Restricted Access	165	1
	2025-12-15	Closed	154	10
	2025-12-15	Closed	163	120
Winter	2025-12-16	Closed	174	3
	2025-12-26	Partial Closure	178	13
	2025-12-29	Partial Closure	174	80
			Total	**3,540**

(a) Spring = Apr 1 to May 25, Summer = May 26 to Sep 21, Fall = Sep 22 to Dec 15, Winter = Dec 16 to Mar 31.

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

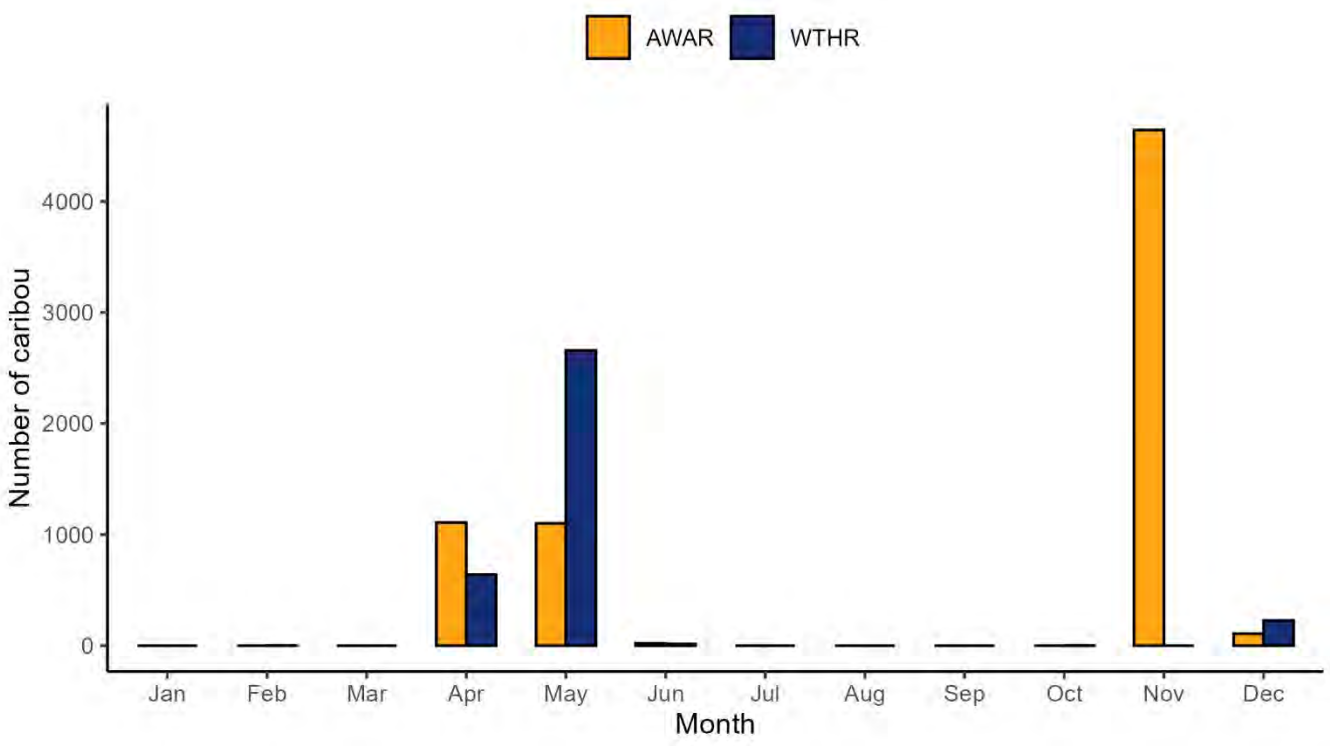


Figure 3-8: Number of Caribou Crossing Observations per Month on the All-Weather Access Road (AWAR) and Whale Tail Haul Road (WTHR) during 2025

Tolerant Caribou Observations

Observations of tolerant caribou along the AWAR and WTHR contribute to assessing risk and the success of mitigation measures. The TEMP version 9 defines Project tolerant caribou as:

> *"An animal or group of animals (i) observed within a mitigation distance buffer for greater than 72 hours during the winter or 48 hours during other season; and (ii) not visibility disturbed by the Project"*

There were no caribou were classified as project tolerant along the AWAR or WTHR in 2025.

3.5.9 Road-related Wildlife Mortality

Wildlife mortalities associated with the AWAR and WTHR during 2025 are recorded in Table 3-18, and reports are included in Appendix C. There were no road-related grizzly bear, muskox, wolverine or wolf mortalities associated with the AWAR or WTHR in 2025. There was one caribou mortality that took place on the WTHR on 14 February 2025 (Table 3-18). The operator was driving northbound when a caribou running from west to east struck the driver side fuel tank of the truck. Another driver in the area reported wolves on the west side of the road. The Agnico Eagle Environment team arrived on site 23:20 p.m. and were able to confirm at least two sets of fresh wolf tracks in the same proximity as the caribou tracks, while confirming the caribou mortality. The caribou was collected and GN-DOE was notified via email. Road-related mortalities from 2007 to 2025 are presented in Table 3-19. Mine site related mortalities are described in Section 4.5.8. There were less road-related mortalities reported in 2025 than 2024 (WSP 2025a).

Upon discovery of any roadkill remains that had not been reported to Environment staff, employees were reminded of road rules and the need to enforce these rules by Environment staff and/or road supervisors. All employees are regularly reminded at toolbox meetings that all Project-related incidents are to be reported, and that wildlife have the right-of-way at all times. Mine staff are required to stop vehicles and wait for wildlife to cross roads. No feeding wildlife and waste management practices are also regularly reviewed with employees.

Table 3-18: Project-Related Wildlife Mortalities Related to the All-Weather Access Road and Whale Tail Haul Road in 2025

Date	Species	Count	Location	Comments
AWAR				
2025-01-15	Ptarmigan	1	KM 18	Struck by a vehicle on the road.
2025-05-27	Ptarmigan	1	KM 42	Struck by a vehicle on the road.
2025-06-12	Arctic ground squirrel	1	KM 42	Struck by a vehicle on the road.
2025-07-23	Arctic Hare	1	KM 102	Struck by a vehicle on the road.
2025-08-24	Arctic Hare	1	KM 105	Struck by a vehicle on the road.
2025-08-26	Arctic Hare	1	KM 67	Struck by a vehicle on the road.
2025-11-28	Arctic Hare	1	KM 91	Struck by a vehicle on the road.
2025-12-01	Arctic Hare	1	KM 83	Struck by a vehicle on the road.
WTHR				
2025-01-12	Unidentified (Arctic Fox / Arctic Hare)	1	KM 112	Struck by a vehicle on the road.
2025-01-22	Arctic Hare	1	KM 124	Struck by a vehicle on the road.
2025-02-14	Caribou	1	KM 113	Collided with vehicle on the road.
2025-10-09	Arctic Hare	1	KM 155	Struck by a vehicle on the road.
2025-11-13	Arctic Fox	1	KM 110	Struck by a vehicle on the road.
2025-11-22	Arctic Fox	1	KM 154	Struck by a vehicle on the road.

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road, KM = Kilometre Marker.

Table 3-19: Summary of Road-related Wildlife Mortality Records (2007 to 2024)

Year	Caribou	Grizzly Bear	Muskox	Wolverine	Wolf	Fox	Small Mammals	Small Birds	Unidentified Small Animal
AWAR									
2007	3	0	0	0	0	0	3	3	0
2008	10	0	0	0	2	13	7	17	0
2009	1	0	0	0	0	1	6	2	0
2010	1	0	0	0	0	2	6	2	0
2011	2	0	0	0	1	0	5	4	0
2012	2	0	0	1	0	0	3	1	0
2013	5	0	0	0	0	1	1	1	0
2014	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	1	4	2	1
2016	0	0	0	0	0	2	0	1	0
2017	0	0	0	0	0	5	3	3	0
2018	0	0	0	0	0	0	2	0	0
2019	0	0	0	0	0	0	3	0	0
2020	1	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	5	9	1	0
2022	0	0	0	1	0	0	3	1	0
2023	0	0	0	0	0	0	2	0	0
2024	1	0	0	0	0	4	13	5	0
2025	0	0	0	0	0	0	6	2	0
WTHR									
2018	0	0	0	0	0	0	2	0	0
2019	0	0	0	0	0	1	1	1	0
2020	0	0	0	0	0	0	0	0	0
2021	0	0	0	0	0	2	11	0	0
2022	0	0	0	0	0	0	5	0	0
2023	0	0	1	0	0	1	1	0	0
2024	0	0	0	1	0	3	3	0	0
2025	1	0	0	0	0	2	2	0	1

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

3.6 Accuracy of Impact Predictions

The summary of the impact predictions identified in the TEMP version 9 (Agnico Eagle 2025a) are listed in Table 3-20. The 2025 AWAR and WTHR survey data were compared to the impact prediction thresholds to evaluate adherence to the impact predictions and the provision of adaptive management, as either a necessary or proactive measure. None of the thresholds were exceeded in 2025.

Table 3-20: Accuracy of Impact Predictions – Sensory Disturbance and Mortality Along the All-Weather Access Road and Whale Tail Haul Road in 2025

Potential Effect	Threshold	Threshold Exceeded (2025)	Adaptive Management Implemented	Monitoring Methods
Sensory Disturbance	No threshold but Decisions Trees followed when caribou are seen near mine facilities.	Not Applicable	YES Multiple road closures and notices, good engagement of Wildlife Log by site staff. Use of Decision Tree for Management and Monitoring.	AWAR and WTHR Surveys, Wildlife Log, Mortality Reporting Satellite-collaring data
Project-related Mortality (ungulates)	Threshold level of mortality is two individuals per year.	NO One caribou mortality on WTHR	YES Agnico Eagle will continue to re-enforce speed restrictions when wildlife is observed in close proximity to the road. All road users were reminded that wildlife has the right of way and to remain vigilant for wildlife while driving along the roads.	AWAR and WTHR surveys Satellite-collaring data surveys Incidental wildlife reporting
Project-related Mortality (predatory mammals)	Predatory mammals (i.e., grizzly bear, wolverine, wolf) will not be killed or injured by vehicle collisions. Threshold level of mortality is two individuals per year.	NO	NO	AWAR and WTHR surveys Incidental wildlife reporting
Project-related Mortality	Raptors or waterbirds will not be killed along Project roads. Threshold is one individual due to vehicle collision per year.	NO	NO	AWAR and WTHR surveys Incidental wildlife reporting

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

3.7 Management Recommendations

The AWAR and WTHR survey data are important for documenting sensitive periods when the area near the road is utilized by various wildlife species and for evaluating the need, if any, to adaptively manage mitigation (e.g., temporary road closures and radio announcements). Mitigation actions linked to individual wildlife observations (Appendix A) should continue to be recorded, and caribou movement patterns continue to require close monitoring in 2026. No other management mitigations are recommended at this time.

4 PITS AND MINE SITE GROUND SURVEYS

4.1 Overview

The Mine site ground survey monitoring program (i.e., for Meadowbank/Vault, and Whale Tail) has been designed to verify that impacts to wildlife in and around the Project LSA are minimized. The program has a strong emphasis on monitoring mortality and disturbance of various wildlife groups utilizing habitats near the Project. In addition, the Mine site ground survey monitoring program is an integral component of the monitoring strategy for evaluating sensory disturbance indicators for caribou.

4.2 Objectives

The primary objectives of the Mine site ground surveys are to:

1) Use Decisions Trees when caribou are seen near Project facilities to determine the level of adaptive management (e.g., suspend activities) required.

2) Confirm that caribou will not be killed through other Project-related mortality such as falling in pits, tailings sludge, or other means. The cumulative Project threshold level of mortality is two individuals per year.

3) Verify that measures are in place such that grizzly bears, wolverines, or wolves will not need to be destroyed at the Project site in association with human-wildlife conflicts. The threshold level of mortality for predatory mammals is two individuals per year.

4) Verify that disturbance to high value habitats (e.g., sedge meadows) and nesting migratory birds is avoided, and all activities within 100 m of a migratory bird nest site be monitored, if deemed necessary.

4.3 Duration

The Mine site ground surveys are to be conducted regularly by Agnico Eagle Environment personnel over the operation and closure phases of the Project. Surveys are conducted at least once per week, with increased frequency if caribou are present.

4.4 Methods

In 2025, formal Mine site inspections for wildlife were carried out at least weekly with increased frequency during sensitive seasons as per the TEMP (Agnico Eagle 2025a). In addition, environment personnel conducted regular Mine site inspections focusing on waste management, spills, hazardous waste management, and wildlife monitoring. During these inspections, if non-conformities were identified they are rapidly addressed by the responsible department.

Weekly inspections included:

- Regular monitoring of all wildlife species near the facilities. Large mammal presence within the Project is documented during daily and weekly (formal) inspections. Formal inspections increase in frequency during sensitive season based on decision trees (Agnico Eagle 2025a). Any issues related to safety or proximity effects are identified and the appropriate mitigation is implemented. If risks to animal health are perceived, efforts are made to avoid the wildlife and provide them the right-of-way. In 2025, Mine-site ground survey inspections were conducted on average once or twice per week (Meadowbank survey frequency was on average 1 survey every 2.35 days and Whale Tail survey frequency was on average 1 survey every 3.09 days).
- Regular monitoring of all large mammals in the Project LSA.

- Regular monitoring of breeding birds (especially in the spring), raptors, and nests located in the Project LSA.
- Inspections of waste management areas, bins, and hazardous material storage.

Environment Department inspections and wildlife ground surveys focus on migratory birds, ungulates, Arctic fox, wolf, grizzly bear, and wolverine. Through these observations and those of other Agnico Eagle employees (i.e., incidental observations), and incidence reports provided to the Environment Department. Technicians follow up as needed to ensure the protection of wildlife near the Project. Monthly summary reports and wildlife observation data are submitted to the GN and KivIA, and quarterly reports are submitted to the KivIA.

4.4.1 Incidental Mine Site Wildlife Observations

All Mine site personnel, including construction and support staff, are required to document and report wildlife observed within the LSA of the Project as well as ancillary areas (e.g., AWAR and WTHR). The protocol involves notifying staff in the Environment Department, which is intended to ensure that potential problem animals are identified. Pertinent data, and daily and weekly Mine site inspection reports are consolidated and entered into an electronic database (EQuIS). Monthly summary reports and wildlife observation data are submitted to the GN and KivIA. Quarterly reports are submitted to the KivIA.

4.5 2025 Results

4.5.1 Pit and Mine Site Ground Surveys

The number of surveys completed at Meadowbank Mine and Whale Tail Mine sites each in 2025 is provided in Table 4-1. Mine and Pit surveys were distinguished from incidentals starting in October 2021 and were recorded separately from incidentals for 2022 onward. Mine inspections at Meadowbank and Whale Tail include a wildlife observation component and are also included in this count.

In 2025, Meadowbank had a total of 155 formal Mine and Pit surveys conducted between 5 January and 30 December. The average frequency of surveys was approximately one survey every 2.35 days during this period, with the largest number of surveys occurring in November and December. Whale Tail had a total of 118 formal Mine and Pit surveys conducted between 4 January and 27 December. The average frequency of surveys was approximately one survey every 3.09 days during this period, with the largest number of surveys occurring in April, November and December.

Table 4-1: Number of Formal Pit and Mine Site Ground Surveys by Month, 2025

Location	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Meadowbank	11	14	12	19	14	5	5	13	5	13	22	22	**155**
Whale Tail	4	6	11	22	15	2	3	7	4	4	20	20	**118**

4.5.2 Wildlife Observations from Pit and Mine Surveys

Wildlife observations from formal Pit and Mine surveys conducted between January and December of 2025 are shown in Table 4-2 and wildlife observations from incidental surveys at the Meadowbank and Whale Tail sites are provided in Appendix A. Observations were used by Environment personnel to monitor wildlife activity within the Project and to identify potential problematic or sensitive animals requiring deterrence.

Table 4-2: Wildlife Observations from Formal Pit and Mine Site Ground Surveys by Month 2025

Species Group	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Meadowbank														
Mammal	Arctic fox	3	4	1	1	0	5	0	7	0	0	15	27	**63**
	Arctic hare	0	0	0	0	0	2	0	2	0	0	1	1	**6**
	Caribou	10	19	19	266	0	0	0	2	0	0	0	0	**316**
	Muskox	0	0	0	0	0	2	0	0	0	0	36	31	**69**
	Wolf	6	1	0	0	0	0	0	0	0	0	0	0	**7**
	Wolverine	0	2	0	0	0	0	0	0	0	0	0	1	**3**
Bird	American crow	0	0	0	0	0	0	0	0	0	4	10	32	**46**
	Common raven	0	0	0	0	0	0	0	0	0	0	44	18	**62**
	Gyrfalcon	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Whale Tail														
Mammal	Arctic fox	3	2	2	3	2	0	0	4	0	0	8	2	**26**
	Arctic hare	0	0	0	0	0	0	0	0	1	0	0	0	**1**
	Caribou	0	0	0	221	222	8	1	13	7	0	0	0	**472**
	Muskox	27	0	0	0	0	5	0	54	0	0	0	3	**89**
	Wolf	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Bird	Canada goose	0	0	0	0	0	0	7	0	24	0	0	0	**31**
	Common raven	0	0	0	0	0	0	0	0	0	0	1	0	**1**
	Ptarmigan	0	0	0	0	0	0	0	0	16	0	0	0	**16**
	Sandhill crane	0	0	0	0	0	0	0	2	0	0	0	0	**2**

Six mammal species were reported during formal Pit and Mine surveys at Meadowbank in 2025, including Arctic fox, Arctic hare, caribou, muskox, wolf, and wolverine (Table 4-2). Caribou sightings were highest in April, and muskox sightings occurred in June, November, and December. Wolverines were only reported in February and December. Three species of birds were reported during formal Pit and Mine surveys at Meadowbank, including common raven, crow, and gyrfalcon. Common raven was the most frequently observed bird species and was reported in November and December.

Five mammal species were reported during formal Pit and Mine surveys Whale Tail Mine in 2025, including Arctic fox, Arctic hare, caribou, muskox, wolf (Table 4-2). Most of the caribou sightings took place in April and May. Muskox sightings were observed most frequently in August. Four species of birds were observed during formal surveys at Whale Tail in 2025 (Table 4-2). The most frequently observed species was Canada goose.

Five mammal species were reported as incidental sightings at Meadowbank in 2025 including Arctic fox, caribou, muskox, wolf, and wolverine (Table 4-3). Incidental caribou sightings were highest in January, March, and June, and muskox were primarily detected in February, June, and July. Most wolf observations were in January, and wolverine sightings only highest in September. Arctic fox was sighted predominantly in June and July. One bird species was identified incidentally at Meadowbank in 2025. One common raven was recorded in September (Table 4-3). There were no incidental species recorded at Meadowbank during April, May, or December during 2025.

Table 4-3: Incidental Wildlife Observations in 2025 by Month

Species Group	Species	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Meadowbank														
Mammal	Arctic fox	0	0	0	0	0	8	11	1	2	0	1	0	**23**
	Caribou	11	5	18	0	0	15	0	4	0	0	0	0	**53**
	Muskox	0	10	0	0	0	11	17	0	0	0	0	0	**38**
	Wolf	10	2	0	0	0	0	2	0	0	0	0	0	**14**
	Wolverine	2	3	0	0	0	0	0	4	13	5	0	0	**27**
Bird	Common raven	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Whale Tail														
Mammal	Arctic fox	1	0	0	0	0	3	0	0	0	0	1	0	**5**
	Arctic hare	0	0	0	0	0	1	0	0	0	0	0	0	**1**
	Caribou	0	2	0	300	0	5	6	7	0	0	0	0	**320**
	Muskox	0	0	0	0	0	6	0	0	0	0	0	0	**6**
	Wolf	0	9	0	0	0	0	4	1	0	0	0	0	**14**
	Wolverine	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Bird	Canada goose	0	0	0	0	0	17	10	0	0	0	0	0	**27**

Six mammal species were reported as incidental sightings at Whale Tail in 2025 including Arctic fox, Arctic hare, caribou, muskox, wolf, and wolverine (Table 4-3). Most caribou sightings took place in April, with 300 of 320 caribou observed. One wolverine was observed in February, and wolf were observed in February, July, and August. Muskoxen were observed in June. One bird species was identified at Whale Tail in 2025. Canada goose was observed in June and July (Table 4-3). There were no incidental species recorded at Whale Tail during March, May, September, October, or December during 2025.

4.5.3 Bird Nests

There were no exemption permits for removal nests in 2025. Results of raptor nest monitoring and waterbird nest monitoring are provided in Sections 13 and 14, respectively.

4.5.4 Wildlife Deterrent Records

Wildlife deterrents are implemented when habituated or problematic wildlife pose a threat to the wildlife or Mine personnel through human-wildlife conflicts. Necessary deterrent strategies are determined and implemented by the Environment Department based on the severity of risk and the nature of the interaction. Each deterrence event is reported using the EQuIS database.

Wildlife deterrents were used and reported at the Project throughout 2025. A total of 33 deterrence activities were reported at Meadowbank and Whale Tail from interactions with four species of mammals: caribou, muskox, wolf, and wolverine (Table 4-5, Table 4-6). The total number of deterrence actions in 2025 was lower than the mean number of deterrence actions from 2015-2025 (mean deterrence actions = 36; Table 4-4).

Deterrence actions in 2025 were primarily related to wolverine and wolves, accounting for 30 of 33 deterrence actions. Caribou wildlife deterrents involved herding caribou away from cyanide pads.

Twenty-nine deterrence actions were taken at Meadowbank, and four actions were taken at Whale Tail. Meadowbank deterrence actions involved caribou, muskox, wolf, wolverine. Whale Tail deterrence actions involved wolves. Of the 33 deterrence actions taken in 2025, 29 were classified as successful deterrence and 4 were classified as unsuccessful deterrence (Table 4-6). In December 2024, a wildlife destruction permit was issued for two wolves at Meadowbank, however, deterrence actions following the receipt of the permit did not occur in 2024 and one wolf was dispatched in February 2025. In February 2025, a wildlife destruction permit was issued for two wolves at Whale Tail Mine and both wolves were dispatched during February 2025 (Table 4-5).

Table 4-4: Total Number of Deterrent Records by Year for the Project

Year	Meadowbank	Whale Tail	Total
2015	-	-	**27**
2016	-	-	**45**
2017	-	-	**21**
2018	-	-	**32**
2019	-	-	**31**
2020	33	10	**43**
2021	17	19	**37**[(a)]
2022	32	10	**42**
2023	59	3	**62**
2024	16	9	**25**
2025	29	4	**33**
		Total	**398**

Note: Hyphen symbol indicates unavailable data due to changes in data recording over time. Site totals only available for some years.
(a) One deterrence event included in the total for 2021 occurred on the AWAR.

Table 4-5: Details of Deterrence Activities for 2025

Date	Species	Number	Behaviour	Deterrence Reason/Context	Deterrence Method	Deterrence Action	Deterrence Reaction	Deterrence Outcome
Meadowbank Mine								
1/15/2025	Wolf	2	Foraging	Predator around mine site. It was at tailings where roll off operator was working.	Banger	Used bangers, advised Supervisor.	Ran towards Baker Road and headed south behind freshwater barge hill and towards goose.	Successful deterrence
1/16/2025	Wolf	1	Walking	Close to site.	Banger	Used banger to deter wildlife.	Walked toward north cell and away from site.	Successful deterrence
1/16/2025	Wolf	2	Foraging	Getting too comfortable getting closer to camp, also roll off and sewage truck working around tailings.	Banger	Used horn first without success, then used bangers and whistlers, came back next day.	Ran towards baker road heading SW.	Successful deterrence
1/19/2025	Wolf	1	Walking	To deter him from coming into site.	Banger	Used banger to deter wildlife.	Walked away.	Successful deterrence
1/22/2025	Wolf	1	Running	Within the camp where people are working.	Banger and truck horn	Followed him, used a horn and banger to deter from working area.	Ran away from site, headed north.	Successful deterrence
1/23/2025	Wolf	1	Walking	Wolf was at tailings while vacuum truck was trying to unload.	Banger	Use banger to deter away.	Wildlife ran toward the north cell and away.	Successful deterrence
1/23/2025	Wolverine	1	Walking	Was close to personnel.	Banger	Used banger to get away from area.	Ran away to north cell.	Successful deterrence
1/30/2025	Wolf	1	Feeding	Close to mine site.	Banger	Shot banger.	Ran away and came back.	Deterrents did not succeed
2/3/2025	Wolf	1	Foraging	Same wolf that has been around since December.	Banger	NA	It ran towards freshwater barge.	Successful deterrence
2/4/2025	Wolf	1	Foraging	Keeps returning to Landfarm.	Banger	Deterred it towards goose.	Ran towards goose on the ice.	Successful deterrence
2/11/2025	Wolf	1	Dead	It has been around the tailings and landfill area since December where roll off and vacuum truck operators operate on foot. It was a safety issue. Destruction license was approved in December by Baker Lake GN.	0.223	Dispatched by Baker Lake HTO.	Euthanized.	Deterrents did not succeed
2/24/2025	Wolverine	1	Walking	In camp.	Banger	Shot a banger.	Ran towards freshwater barge.	Successful deterrence
6/25/2025	Muskox	2	Walking	Near airstrip and plane was coming.	Clapping and megaphone	They walked to quarry 23.	Walked toward quarry 23.	Successful deterrence
8/14/2025	Caribou	1	Walking	To make it leave the cyanide pad due to the ongoing cyanide convoy.	Car horn	Used the car horn so the caribou would leave the cyanide pad and head towards the tundra for its safety and the safety of the warehouse workers.	Walk away from the pad.	Successful deterrence
8/15/2025	Caribou	2	Walking	One caribou was on the pad and another started coming up but turned around. The one on the pad was resting in the shade and has a limp. Honking and bangers were used to deter the animal prior to cyanide convoy arrival. The animal left the pad westward.	Bangers, car horn, whistler	Use the deterring tool.	Slowly walked away.	Successful deterrence
8/16/2025	Wolverine	2	Foraging	Near people and their work. Shot bangers and honked to discourage them and chase them away.	Bangers	Use banger to deter away.	Little care but walked away.	Successful deterrence
8/17/2025	Wolverine	2	Foraging	Wolverines were trying to eat garbage and enter through the side of a broken sea-can.	Bangers, car horn	Fired bangers, honked. Patched up the sea-can with plywood. Moved it to the 3 row out of reach. Cleaned up all the garbage.	Little reaction, but eventually they moved away after a few bangers.	Successful deterrence
9/18/2025	Wolverine	1	Foraging	The wolverine was scavenging and trying to steal worker's backpacks and exploring afraid people and their vehicles. It was trying to get into vehicles and getting into workshops.	Car horn, driving, noise maker (rattler), bangers	We corralled it towards the tundra and used bangers to deter it off.	Scared/surprised at the banger, only annoyed at the car/rattler.	Successful deterrence
9/19/2025	Wolverine	2	Foraging	Wolverine was difficult to deter from the work areas, so we used car horn to move it away.	Vehicle horn	Deterred the wolverines away.	Hesitant but ran away.	Successful deterrence
9/23/2025	Wolverine	1	Foraging	Close to people and in camp.	Bear banger pen and 9mm banger	Honked and used bangers.	Scared, ran off into the tundra past PEL.	Successful deterrence

Table 4-5: Details of Deterrence Activities for 2025

Date	Species	Number	Behaviour	Deterrence Reason/Context	Deterrence Method	Deterrence Action	Deterrence Reaction	Deterrence Outcome
9/25/2025	Wolverine	1	Walking	Deterring wolverine from camp areas and work activities/winter parking and fountain tire.	Umarex starting pistol with whistlers and bangers	Wolverine driven onto tundra near hazmat, contact lost.	Moved onto tundra near hazmat.	Successful deterrence
9/25/2025	Wolverine	1	Walking	Deterring wolverine from work areas at the Meadowbank site.	Umarex starting pistol with screamer and banger flares	Bangers used to encourage animal to move onto tundra.	Briefly paused, then fled to the tundra once deterrents were used near pel shop.	Successful deterrence
9/25/2025	Wolverine	1	Running	Deterring wolverine.	Vehicle horn	Honked and pursued animal.	Running away.	Successful deterrence
9/28/2025	Wolverine	1	Alert	Bangers were using to deter the animal. Multiple calls for wolverines were received lately at the Meadowbank site. Only bangers could be used as the wolverine went over the general waste pile.	6mm pistol bangers	Deterred the animal away from the landfill.	Ran away north over the general waste.	Successful deterrence
9/29/2025	Wolverine	1	Playing	Animal is becoming acclimatized to camp, deterrents used to discourage animal.	Umarex starter pistol with bangers and screamers	Animal was driven towards tundra and across airstrip.	Ran on to tundra and away from camp.	Successful deterrence
9/29/2025	Wolverine	1	Feeding	To deter animal from camp.	Umarex starter pistol	Pistol used to deter animal from landfill area.	Ran over the landfill, in panic.	Successful deterrence
10/2/2025	Wolverine	1	Running	Animal entered the mill briefly and was scavenging for food all over camp.	Bear Bangers and Screamers	Wolverine was deterred using the tools described, mill workers were informed, animal was successfully deterred off of site.	Ran off site into the tundra.	Successful deterrence
10/20/2025	Wolverine	1	Walking	Predator around site.	Honked the car horn and drove at it	Honked the car horn and drove at it.	Walked away.	Successful deterrence
12/19/2025	Wolverine	1	Walking	Scaring it away from landfill.	Banger	Banger.	Walking away.	Successful deterrence
Whale Tail Mine								
2/1/2025	Wolf	1	Trotting/running	The wolf was first spotted on the road, so I used my pickup truck to guide him away from the road. He then walked all the way across road 35 and started laying down just beside the road, then used 2 red bangers to guide him towards safety behind the WRSF.	Pickup, shotgun	Patrol was done, no signs or calls in the following hours.	Started running, then left the property.	Successful deterrence
2/10/2025	Wolf	1	Dead	Wolf has become habituated to the site and several close encounters with employees deemed this a safety concern.	Pick-up horn	Environment workers attempted to deter the wolf away with the horn of the pick-up. Got approval from GN Conservation officer for destruction.	Wolf did not respond at first, staying in the middle of the road ignoring the signals. Euthanized.	Deterrents did not succeed
2/17/2025	Wolf	1	Dead	Wolf reported by operators throughout the week, approval of lethal action by GN, other wildlife deterrents did not deter wolf from returning to site.	Banger, truck, 0.223	First spotted on orbit pad, little fear of truck until within close proximity, was able to push wolf into tundra fired banger, no reaction, began to return to site, fired another banger once again no reaction. Got approval from Coordinator to dispatch.	Began to return to site, proceeded to take lethal action. Euthanized.	Deterrents did not succeed
7/12/2025	Wolf	4	Walking	Too close to site.	Banger	We called Environment Supervisor and we discussed the plan and we shot a banger to scare them off site.	Alert and ran away.	Successful deterrence

Table 4-6: Summary of Deterrence Events in 2025

Location	Species	Number of Deterrence Events		
		Successful	Unsuccessful	Total
Meadowbank	Caribou	2	0	**2**
	Muskox	1	0	**1**
	Wolf	8	2	**10**
	Wolverine	16	0	**16**
Whale Tail	Wolf	2	2	**4**
Total		**29**	**4**	**33**

4.5.5 Waterbird Monitoring

Waterbird monitoring is completed to minimize accidental waterbird confinement around the Meadowbank and Whale Tail sites, entrapment in the tailings, and mortality. No waterbird nest monitoring was completed in 2025, though regular inspections were completed throughout the migratory period and during weekly or daily inspections, as deemed necessary by Environment personnel.

Previous research to investigate mitigation options to minimize flooding-related impacts to birds in the Whale Tail South area was completed in collaboration with Trent University, and a manuscript was published in October 2024 (Holmes et al. 2024).

Further discussion of waterbird monitoring results are provided is Section 14.

4.5.6 Raptor Monitoring

Raptor monitoring was conducted as part of routine Mine site inspections of the pit and other areas to ensure adequate bird protection and management. Adult peregrine falcons were observed on 45 occasions at 14 quarry monitoring locations, and eggs or chicks were observed at one quarry monitoring location. Additionally, one gyrfalcon (*Falco rusticolus*) nest was detected on WTHR incidentally. In addition to observations as part of the raptor nest monitoring (Section 13), there were seven bald eagle (May, June, August), nine gyrfalcon (May, September), 13 peregrine falcon detections (May, July, September), and one rough-legged hawk (*Buteo* lagopus; August) along the AWAR and WTHR (Table 3-9, Table 3-10).

4.5.7 Predatory Mammal Deterrence and Protection

Improved practices for waste segregation and incineration, the use of enclosed food waste facilities, and skirting around buildings have improved Arctic fox protection and decreased fox-human interactions (Table 4-7).

Deterrence actions for wolverine, which followed the Wildlife Protection and Response Plan (Appendix C in 2019 TEMP), were required on sixteen occasions at the Meadowbank site (Table 4-6). A destruction permit for two wolverines was received during September 2025, however, all wolverine deterrence actions at Meadowbank Mine were successful and use of the destruction permit was not necessary. The number of wolverine deterrence efforts were higher than average in 2025 compared to deterrence efforts from 2015–2025 (mean = 12.5; Table 4-6).

Table 4-7: Summary of Deterred Predatory Mammals at the Meadowbank Mine and Whale Tail Sites from 2015 to 2025

Year	Arctic Fox	Grizzly Bear	Red Fox	Wolf	Wolverine	Total
2015	6	0	1	1	5	**13**
2016	6	0	0	4	3	**13**
2017	2	0	0	9	10	**21**
2018	0	0	0	14	17	**31**
2019	4	0	0	9	16	**39**
2020	1	0	0	5	17	**23**
2021	0	0	0	2	6	**8**
2022	5	0	1	7	18	**31**
2023	0	0	0	22	25	**47**
2024	0	1	0	5	5	**11**
2025	0	0	0	13	16	**29**
					Total	**266**

Wolves were also regularly observed around the Meadowbank site, exclusively in the winter months (Table 4-5). Deterrence actions were required on ten occasions at Meadowbank (Table 4-5). For the wolf deterrence actions at Meadowbank Mine, eight were successful and two were unsuccessful. In one case, the unsuccessful deterrence events resulted in destruction permits to be issued by the GN wildlife officer (Table 4-6). The number of wolf deterrence efforts in 2025 was the third highest on record, next to 2023 (22 deterrence efforts) and 2018 (14 deterrence efforts; Table 4-6).

Notices are sent to Meadowbank employees regarding the presence of wildlife, waste management procedures, and requesting all sea cans and doorways be closed when a non-conformity occurs.

4.5.8 Wildlife Mortality – Meadowbank and Whale Tail Sites

Two wildlife mortality events of an unknown cause were observed in 2025, one at Meadowbank and another at Whale Tail resulting in Arctic fox mortalities (Table 4-8). One Project-related mortality of an Arctic fox occurred due to a vehicle collision and one Project-related mortality of wolf occurred following unsuccessful deterrence at Meadowbank during 2025 (Section 4.5.4). Two Project-related mortality of an Arctic fox occurred due to a vehicle collision, and two Project-related mortalities of wolf occurred following unsuccessful deterrence at Whale Tail (Section 4.5.4). There were no Project-related mortalities of caribou, grizzly bear, or wolverine at either Mine site during 2025 (Table 4-9). Road-related mortalities are tabulated and discussed in Section 3.6.9. Mortality reports are included in Appendix C.

Table 4-8: Wildlife Mortalities at Meadowbank and Whale Tail Sites in 2025

Date	Species	Count	Project Related	Location	Comments
2025-01-14	Arctic Fox	1	Yes	Whale Tail Mine, Road 35	Struck by a vehicle on the road.
2025-02-10	Wolf	1	Yes	Whale Tail South Lake / A55 Lake	Animal euthanized due to habituation, and health and safety concerns.
2025-02-11	Wolf	1	Yes	Meadowbank Landfill	Animal euthanized due to habituation, and health and safety concerns.
2025-02-17	Wolf	1	Yes	Whale Tail South Lake / A55 Lake	Animal euthanized due to habituation, and health and safety concerns.
2025-06-04	Arctic Fox	1	Yes	Meadowbank HPGR area	Unknown cause of death. Animal decomposed and suspected deceased prior to winter.
2025-06-07	Arctic Fox	1	Yes	Whale Tail Mine Camp	Unknown cause of death.
2025-09-05	Arctic Fox	1	Yes	Meadowbank End of Airstrip	Struck by a vehicle on the road.
2025-11-14	Arctic Fox	1	Yes	Entrance to Whale Tail WRSF Ramp	Struck by a vehicle on the road.

WT WRSF = Whale Tail Waste Rock Storage Facility.

Table 4-9: Summary of Project-Related Wildlife Mortality Records for Caribou and Predatory Mammals (2007 to 2025)

Year	Caribou	Grizzly Bear	Wolverine	Wolf
2007	0	0	0	0
2008	0	0	0	2
2009	0	0	0	4
2010	0	0	0	1
2011	0	0	1	4
2012	0	0	0	1
2013	0	0	1	0
2014	0	0	0	1
2015	0	0	0	0[(a)]
2016	0	0	0	0
2017	0	0	1	2
2018	0	0	1	2[(b)]
2019	0	0	1	0
2020	0	0	2	0
2021	0	0	1	0
2022	0	0	1	0
2023	0	0	3	3
2024	0	0	0	0
2025	0	0	0	3

(a) There was one naturally injured wolf that needed to be euthanized as authorized by the GN DoE.

(b) Wolf died at Mine site of head injuries; did not need to be dispatched.

4.5.8.1 Caribou

No caribou mortality related to Project activities occurred in 2025.

4.5.8.2 Predatory Mammals

All incident reports, observations, deterrence activities, and Environment team responses to predatory mammal sightings are included in Table 4-5. In 2025, there were three Arctic fox and two wolf mortalities at the Whale Tail Mine, one wolf at the Meadowbank landfill, one Arctic fox at the Meadowbank HPGR area and one Arctic fox at the Meadowbank airstrip. Mortality reports are included in Appendix C. Exemption permits are included in Appendix D.

4.5.8.3 Other Wildlife

No other mortalities related to Project activities occurred in 2025.

4.5.9 Helicopter Activity

Helicopters are utilized at the Project for various reasons including mobilization of equipment, transport, exploration, surveying, monitoring, and reconnaissance. Pilots are required to review an air traffic procedure that includes the following project specific flight restrictions:

- Long-range flights are a minimum of 650 m above ground level, except for take-off and landings.
- Short-range flights are a minimum of 300 m above ground level, except for take-off and landings.
- Notification of caribou, muskox or other wildlife sightings within 1 km of the helicopter pad.
- Caribou groups of 50 or more animals, and muskoxen of 10 or more animals must be avoided by a minimum of 1,000 m vertically and 1,500 m horizontally. Flocks of migratory birds must be avoided by 1,100 m vertically and 1,500 m horizontally. Flying over known raptor nests will be avoided.
- Harassing wildlife (flying below 300 m) is expressly forbidden unless animals pose an immediate danger to humans.

However, certain activities are required to be completed at lower altitudes than specified above. External load operations (equipment/material slinging), site inspections, reconnaissance and environmental surveys often require lower flight. Flights with these purposes have been considered permissible for low flight. Similarly, flights lower than 300 m have been considered permissible when flying low due to poor visibility (e.g., poor weather conditions) or for emergency medevac services.

Helicopter methods first applied in the 2023 annual report (WSP 2024) for defining short- and long-term flights as well as take-off and landing were presented and discussed with the TAG in fall 2024 (Agnico Eagle 2024). TAG members were in support of continuing with the methods, which were then applied for the 2024 annual report (WSP 2025a). Landing and take-off definitions were updated further in 2025 to account for changes in GPS location frequencies. A new high-resolution Digital Elevation Map (DEM) was used during 2025 to improve the accuracy of heigh above ground summaries. In alignment with the principles of adaptive management, quantitative approaches are adjusted as needed to improve identification of take-off and landing and to improve flight data summaries.

4.5.9.1 Methods

Track logs and altitudes are recorded using the Honeywell Skyconnect Tracker II, which runs on the Iridium satellite network. This product provides two-way satellite voice communication, ground to asset texting, and asset to ground location tracking service. Spatial location, altitude, and speed of helicopters are collected throughout flights.

While the spatial location, altitude (height above sea level), speed, and detailed flight time of helicopters are tracked and available as detailed GPS points (e.g., a new GPS point provided every two to three minutes), flight reports including the purpose for the trip (e.g., passenger, ferry, equipment/material slinging operations, etc.) and the site that the trip was associated with (e.g., Meadowbank Complex), among other details, are recorded by pilots manually using approximate flight times. The connection between the two sets of flight data is complex and not automated. As the aircraft's GPS track flight from all flights starting from their origin city in southern Manitoba and are used intermittently throughout the year for flights at other sites, it is not clear which GPS flights are attributed as Meadowbank flights from GPS points alone. To facilitate this, the following methods were developed to connect manual flight report and GPS data together to allow for more detailed analysis of the flight restrictions outlined above.

Flight track GPS logs for each aircraft operating in the area were combined in ArcGIS Pro (ArcGIS, Redlands, CA). As project flight restrictions specify height above the ground in metres (versus altitude in metres above sea level), the elevation of the ground was determined for each GPS point using the Arctic Digital Elevation Model (ArcticDEM) and the flying height above the ground was calculated. A new high-resolution version of the ArcticDEM was used in 2025 with 2 m resolution compared to the previous 50m resolution to improve the accuracy of height above ground calculations. Once height above ground was calculated for each GPS point, all points were converted to flight paths specific to each aircraft connecting sequential GPS points during each flight day. Hundreds of flight paths may make up a flight leg (e.g., one flight consisting of GPS points taken every two to three minutes flown). For each flight path, details relating to its change in time, speed, altitude and height above the ground were calculated. To facilitate in the connection of GPS data to manual flight reports, start and end times of each path were rounded to the nearest 10 minutes.

Flight reports were provided for each aircraft and flight day, in pdf format, as well as in a spreadsheet containing information from all pdf reports. Pilots were instructed to record comments related to reasons for flying lower than the normally required altitude, such as a low ceiling (i.e., <2,000 ft) or due to poor visibility from weather. Each report provides details on the flights operated during that day for each aircraft and are separated by flight leg, depending on the purpose of flight. Flight reports include an approximated start time (rounded to the nearest 10 minutes) to facilitate in the connection with detailed GPS flight paths.

An iterative process was run on the thousands of flight paths, assigning a flight report number and flight leg number to each path based on the aircraft name, date of flight and rounded time of flight. Connections between the GPS flight legs, and flight reports were successful for 88% of flights provided (160 of 182 flights, 76.4 hours of 80.1 flight hours). The remaining mis-joined flights made up 12% of all flights and corresponded to approximately 3.7 flight hours. Errors with two flights were identified, which included incorrect or missing times in the flight report (e.g., no flight times or flight arrival times occurring before departure times), due to these errors the exact total flight hours of mis-joined flights is not available. This mis-joined data may not have been captured due to inaccuracies in recorded data such as errors in recorded details of the flight by the pilot, a mismatch of time zones of the flight report and detailed GPS data, inaccurate clocks between the pilot and helicopter GPS or similar inaccuracies. Data from the two flight datasets were joined together using an identifier field that was created using the aircraft, date, flight report number and flight leg number. The following discussion reports metrics based only

on the flights legs that were successfully connected to flight reports. As flight reports are recorded manually by pilots and as noted above, errors in recorded details of the flight may be made including the flight departure and arrival times.

Flights were classified as short- or long-range by calculating the maximum distance spanned during an individual flight leg. This was done by identifying GPS points for individual flights that were the furthest away from each other. If this distance was <25 km, the flight was classified as short-range. Flights with longer flight spans were classified as long-range. While total flight length was considered to classify flight range, many flight legs consist of multiple trips between two locations (e.g., slinging material back and forth or a return flight to drop off passengers) and many flights that intuitively appear to be short-range would be misclassified. In four cases, flights classified as long-range were notably lower than other long-range flights. These four flights were manually reviewed, and three of the four flights were determined to be two short-ranged flights with a stop in-between. These three flights were reclassified to short-ranged flights.

For an accurate assessment of flying height above ground, take-off and landing should not be considered. Flight paths were classified as take-off/landing using the following definitions, which evaluates the change in flying height and flying speed on a 2-timestep moving window (i.e., t and t_{-1}). Due to the nature of helicopter flight, which can vary in speed and flying heights even at cruising altitude, the definitions include a cruising altitude limit. This means that take-off/landing definitions differ for short- and long-range due to the different height considered to be cruising altitude (i.e., 300 m for short-range flights and 650 m for long-range flights). If a flight path had a “flight angle”, which is the angle between the flight segment and the horizontal plane, of ±3°, or a vertical climb rate of ±20 metres/minute over the last two timesteps and was under the cruising altitude flight restriction for it’s range-length (i.e., 300 m for short-range flights and 650 m for long-range flights), or if the flight path was ≤20 m from the ground, it was classified as take-off or landing (hereafter take-off/landing). After a detailed manual review of flights flying short distances, Agnico Eagle inferred that during flights shorter than 7 km in total length (i.e., short-range flights), it is unlikely that reaching the flying height requirement is possible. Flights found to have a total length less than 7 km were reclassified to be entirely take-off/landing regardless of their flight angle, vertical climb rate or height above the ground. Take-off/landing flight paths were removed from the flying height calculations included in this section.

Two examples are shown in Figure 4-1, which display example flight paths and their corresponding change in height above the ground (m), indicating the flight segments classified as take-off/landing in grey. The short-range flight example in Figure 4-1 highlights how a flight may drop below the flying height requirement (300 m) for some time prior to landing (i.e., a gradual descent). The long-range flight example highlights an example where large changes in flying height occur above cruising altitude, which would be classified as take-off/landing without a cruising height limitation set on the definition. Short- and long-range flights are shown in Figure 4-2. Short- and long-range flights for summer are shown in Figure 4-3 and Figure 4-4, respectively. Note, there were no helicopter flights during spring and fall in 2025.

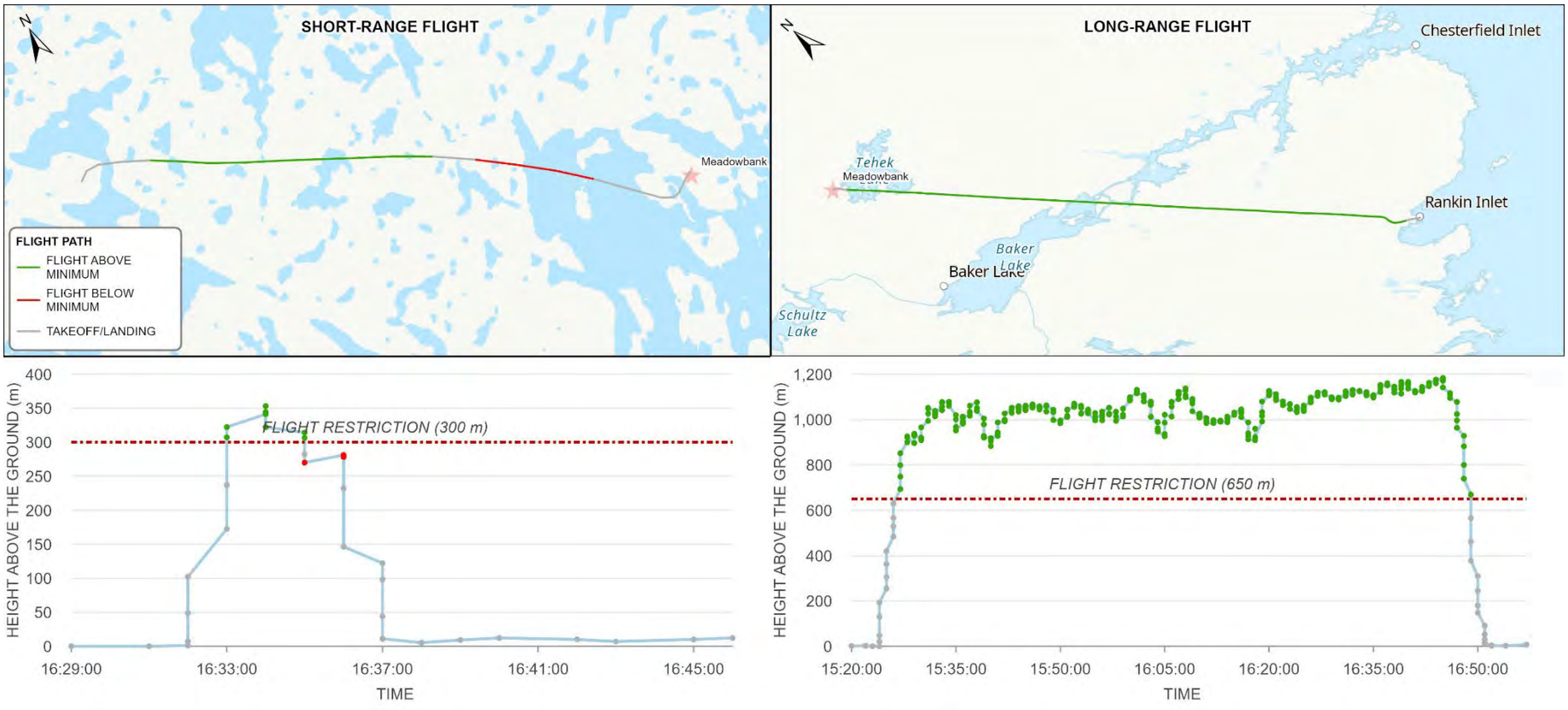
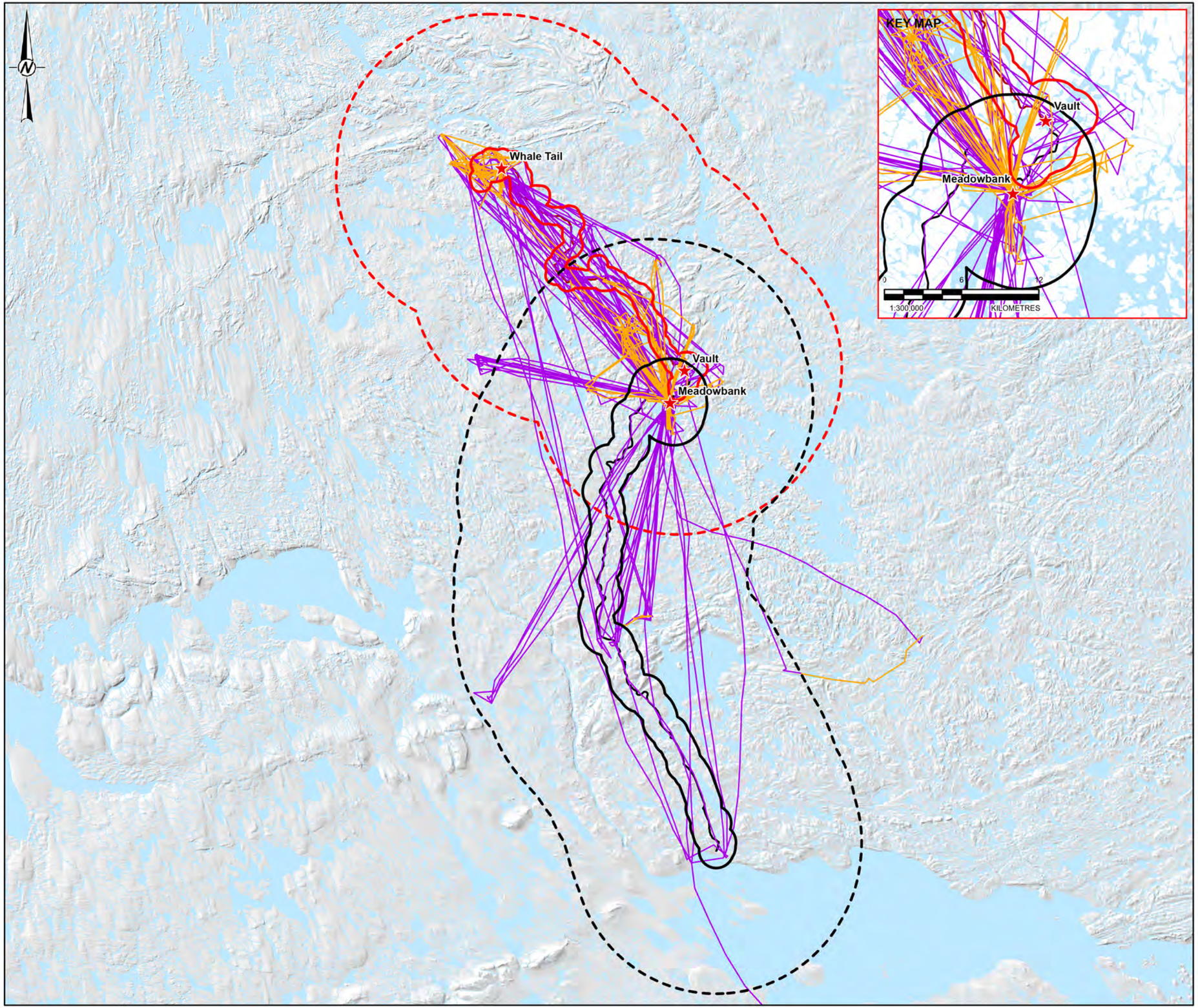


Figure 4-1: Examples of Short-Range and Long-Range Flights with Flight Segments Classified as Take-off/Landing (grey), and Remaining Flight Segments Classified as Above or Below the Minimum Required Height Above the Ground



LEGEND

- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)

FLIGHT PATH

- SHORT-RANGE
- LONG-RANGE
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WTHR LOCAL STUDY AREA (LSA)
- MEADOWBANK REGIONAL STUDY AREA (RSA)
- WTHR REGIONAL STUDY AREA (RSA)
- WATERCOURSE
- WATERBODY

0 15 30
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REFERENCE(S)
1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.
COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT
AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT
MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

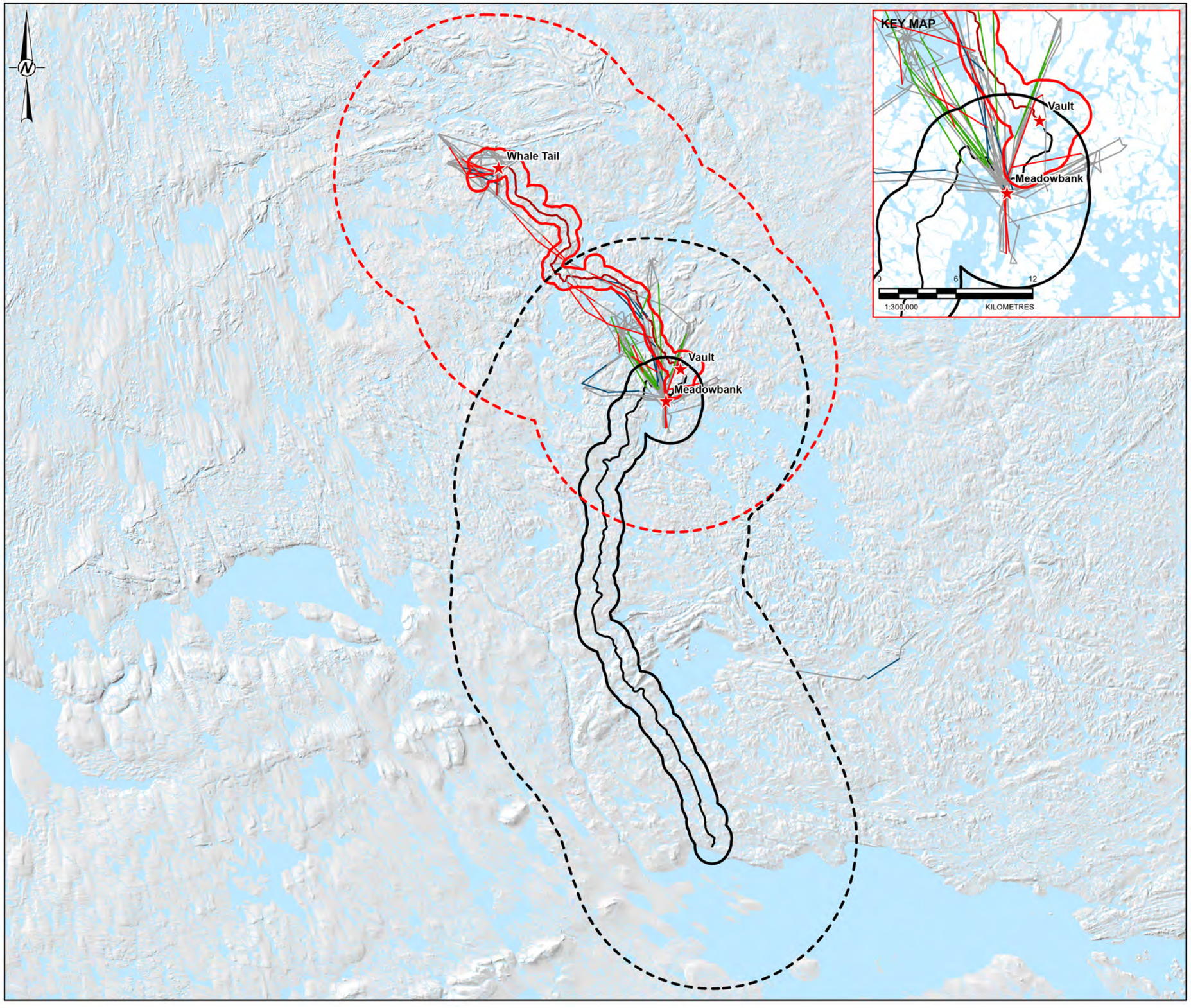
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MINE-RELATED HELICOPTER ACTIVITY ALONG THE ALL-WEATHER ACCESS ROAD AND WHALE TAIL HAUL ROAD, 2025

CONSULTANT
wsp

YYYY-MM-DD	2026-01-26
DESIGNED	JF
PREPARED	DM
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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LEGEND

- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)

SHORT-RANGE FLIGHT

- FLIGHT ABOVE MINIMUM
- FLIGHT BELOW MINIMUM
- PERMISSIBLE LOW FLIGHT
- TAKEOFF/LANDING
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WTHR LOCAL STUDY AREA (LSA)
- MEADOWBANK REGIONAL STUDY AREA (RSA)
- WTHR REGIONAL STUDY AREA (RSA)
- WATERCOURSE
- WATERBODY

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COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT
AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT
MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

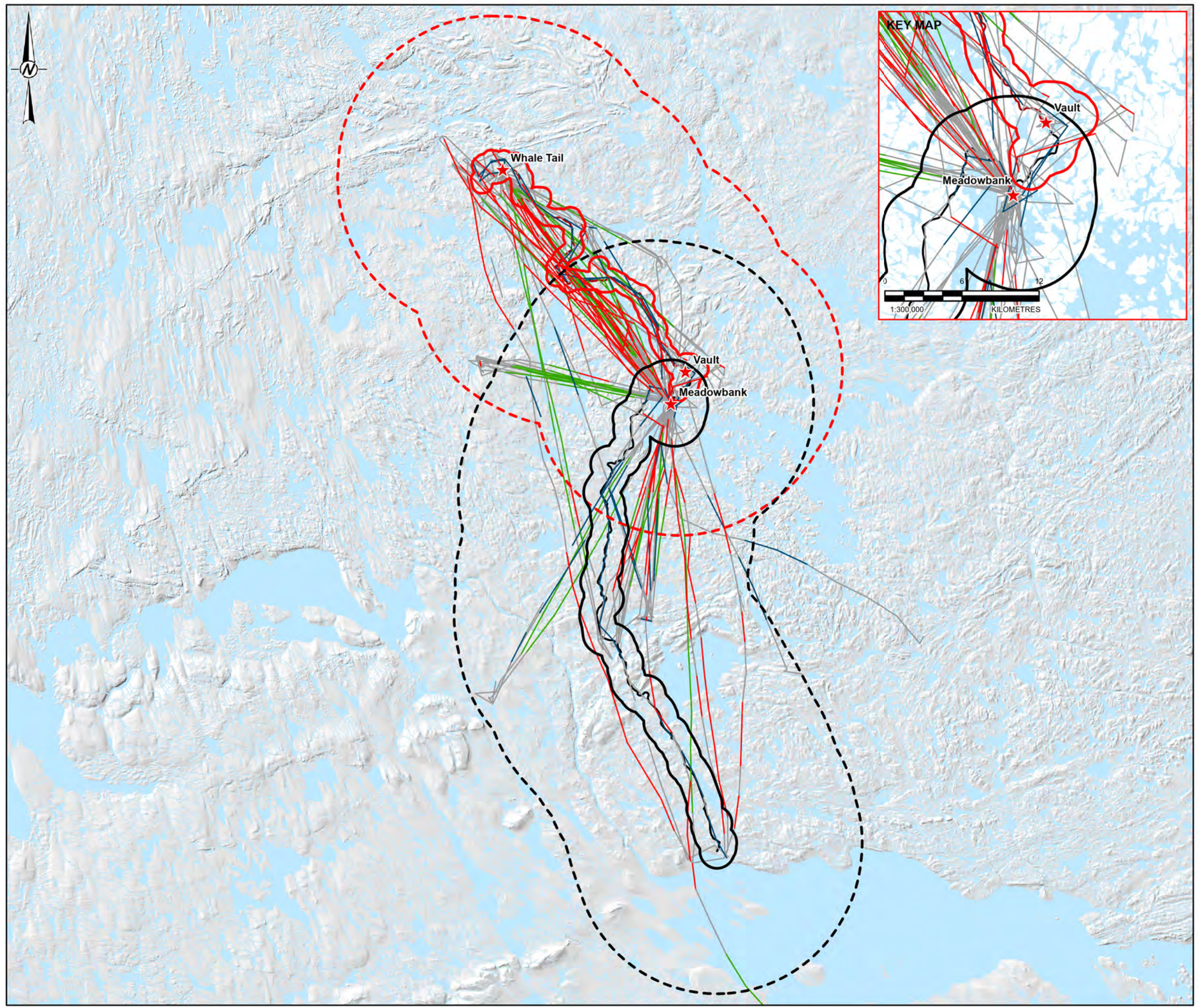
TITLE
MINE-RELATED SHORT-RANGE FLIGHTS OPERATED BELOW THE MINIMUM FLIGHT ALTITUDE DURING SUMMER (2025)

CONSULTANT
wsp

YYYY-MM-DD	2026-01-26
DESIGNED	JF
PREPARED	DM
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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LEGEND

- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)

LONG-RANGE FLIGHT

- FLIGHT ABOVE MINIMUM
- FLIGHT BELOW MINIMUM
- PERMISSIBLE LOW FLIGHT
- TAKEOFF/LANDING
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WTHR LOCAL STUDY AREA (LSA)
- MEADOWBANK REGIONAL STUDY AREA (RSA)
- WTHR REGIONAL STUDY AREA (RSA)
- WATERCOURSE
- WATERBODY

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2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.
COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT
AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT
MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE
MINE-RELATED LONG-RANGE FLIGHTS OPERATED BELOW THE MINIMUM FLIGHT ALTITUDE DURING SUMMER (2025)

CONSULTANT
wsp

YYYY-MM-DD	2026-01-26
DESIGNED	JF
PREPARED	DM
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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4.5.9.2 Results and Discussion

Flight length in distance (km) and hours, average cruising altitude (m) and average cruising height above the ground (m) were determined for each flight leg using the ID field described above. The number of flying dates, number of flights and number of flying hours were summarized (Table 4-10). The average flight distance and total distance flown within the Meadowbank and Whale Tail RSAs are also shown. A more detailed breakdown of flight hours is shown for short-range (Table 4-11) and long-range flights (Table 4-12). By season, total flight hours are summarized based on time spent above or below the minimum flying height described by the project specific flight restrictions (300 m for short-range flights; 650 m for long-range flights), excluding time classified as take-off/landing or for a permissible reason of low flight. The average cruising height above the ground was determined for each season using the average cruising height above the ground (m) calculated for each flight leg, excluding take-off/landing and any permissible low flights. A full catalog of flight details for all flights, including pilot comments are shown in Appendix E.

There were substantially fewer flights in 2025 compared to the previous year, with only 160 flights during summer 2025 (Table 4-10), compared to 1,165 in summer 2024 (WSP 2025a). There were no flights during the spring and fall sensitive seasons during 2025.

Table 4-10: Summary of Helicopter Flights in 2025

Season[a][b]	Flight Days	Number of Flights	Total Distance Flown Within the RSA (km)[c]	Average Flight Leg Distance (km)[d] (mean ± SD)	Total Duration (hours)
Summer	39	160	6,587.7	47.3 ± 47.7	60.6

(a) Table includes data only for flights where both a flight report and helicopter GPS data are available.
(b) Summer = May 26 to Sep 21. There were no flights during Spring, Fall, or Winter during 2025.
(c) Represents total length of flight paths intersecting with the combined RSA (Whale Tail RSA and Meadowbank RSA).
(d) Represents average flight leg distance, including all flights whether or not they occurred within the RSAs.
km = kilometres; SD = standard deviation.

Approximately 6.6% of all short-range flight hours during summer in 2025 (1.0 of 15.0 hours) were identified below the minimum requirement (300 m), without documentation of the purpose of low flight, which is similar to the six percent of short-ranged flights below the minimum during summer in 2024 (WSP 2025a). The remaining flight hours were classified as take-off/landing (12.9 hours), permissible low flights (0.5 hours), and time above the minimum height (0.6 hours; Table 4-11). The average flying height for short-range flights during summer was 239 m (± 182 m) (Table 4-11), which was also similar to the average flying height for short-range flights during summer in 2024 (229 m ± 99 m; WSP 2025a). The distribution of short-ranged flights is shown in Figure 4-5.

For long-ranged flights, 13% of flight hours in 2025 (6.0 of 45.7 hours) were identified below the minimum height requirement, without documentation of the purpose of low flight. While the percentage decreased compared to 2024 (16%), the overall flight hours was drastically reduced, from 61.0 hours in 2024 (WSP 2025a) to 6.0 hours in 2025 (Table 4-12). The remaining flight hours were classified as take-off/landing (28.1 hours), permissible low flights (6.3 hours), and time above the minimum height (5.3 hours; Table 4-12). The average flying height of all long-range flight legs during summer was 506 ± 238 m which was an improvement over the average flying height for long-range flights during summer in 2024 (380 m ± 134 m; WSP 2025a). Figure 4-6 displays the distribution of average flying heights for all long-range flight legs conducted during summer 2025.

Table 4-11: Summary of Short-Range Helicopter Flights in 2025

Season[a]	Number of Flights[b]	Duration (hours)					Average Height (m) Flights[d] (mean ± SD)	Percentage of Flights Below Minimum Height[e]
		Take-off/ Landing	Permissible Low Flights[c]	Above Minimum Height[d]	Below Minimum Height[d]	Total		
Summer	76	12.9	0.5	0.6	1.0	15.0	238.7 ± 181.6	6.6%

(a) Summer = May 26 to Sep 21. There were no flights during Spring, Fall, or Winter during 2025.

(b) Table includes data only for flights where both a flight report and helicopter GPS data are available.

(c) Represents flights where flight activities with expected low altitudes were performed (e.g., slinging), or an adequate reason for low flight was provided (e.g., weather, emergency, etc.).

(d) Values exclude take-off/landing and low permissible flights; minimum height for short-range flights is 300 m; values shown in metres above the ground. Flight classification remains challenging, and results should be interpreted with caution.

(e) Percentage of flight duration below the minimum height for short-range flights using a threshold of 300 m, excluding take-off/landing and permissible low flights.

m = metres; SD = standard deviation.

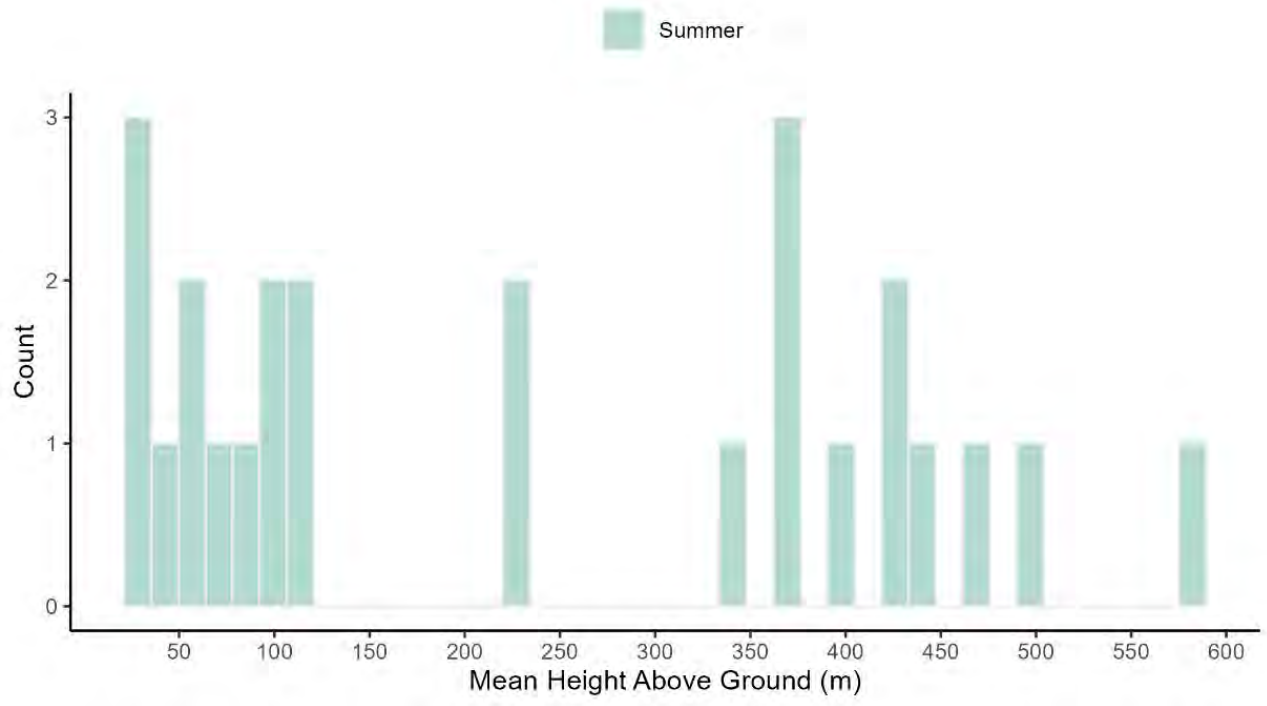


Figure 4-5: Distribution of the Average Cruising Height (m) of Short-Range Flights, Excluding Take-off/Landing and Permissible Low Flights

Table 4-12: Summary of Long-Range Helicopter Flights in 2025

Season[a]	Number of Flights[b]	Duration (hours)					Average Height (m)[d] (mean ± SD)	Percentage of Flights Below Minimum Height[e]
		Take-off/ Landing	Permissible Low Flights[c]	Above Minimum Height[d]	Below Minimum Height[d]	Total		
Summer	84	28.1	6.3	5.3	6.0	45.7	506.5 ± 237.9	13.2%

(a) Summer = May 26 to Sep 21. There were no flights during Spring, Fall, or Winter during 2025.

(b) Table includes data only for flights where both a flight report and helicopter GPS data are available.

(c) Represents flights where flight activities with expected low altitudes were performed (e.g., slinging), or an adequate reason for low flight was provided (e.g., weather, emergency, etc.).

(d) Values exclude take-off/landing and low permissible flights; minimum height for short-range flights is 300 m; values shown in metres above the ground. Flight classification remains challenging, and results should be interpreted with caution.

(e) Percentage of flight duration below the minimum height for short-range flights using a threshold of 300 m, excluding take-off/landing and permissible low flights.

m = metres; SD = standard deviation.

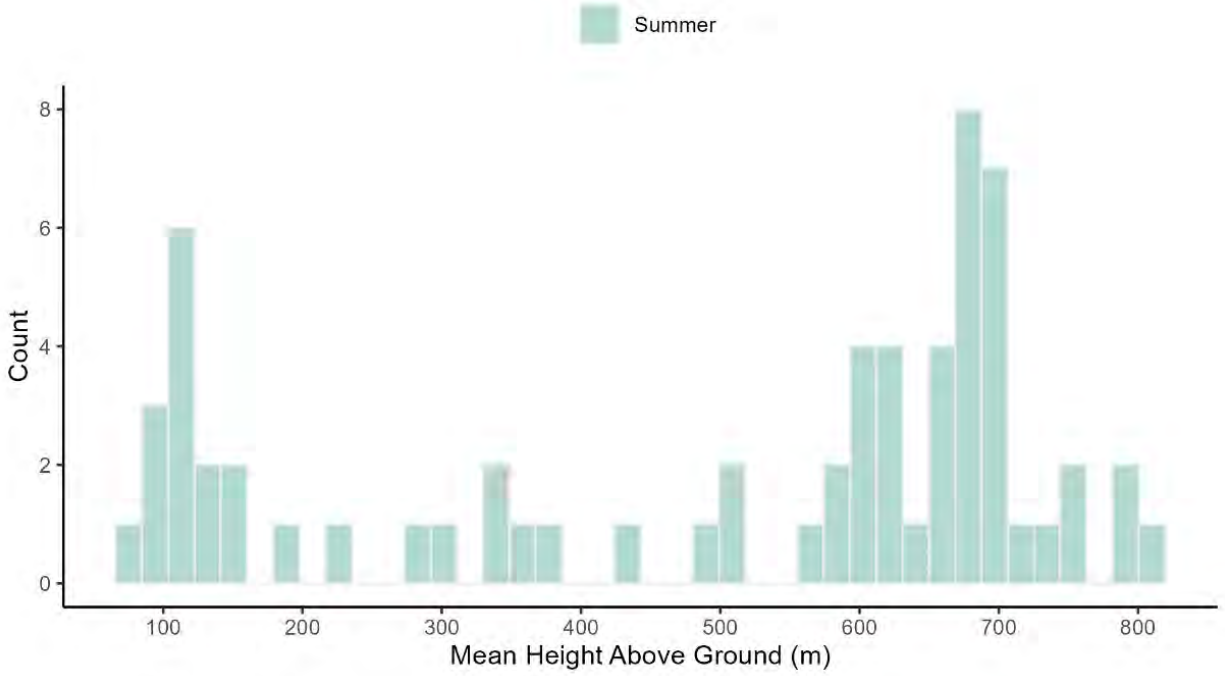


Figure 4-6: Distribution of the Average Cruising Height (m) of Long-Range Flights, Excluding Take-off/Landing and Permissible Low Flights

Helicopter use varies across years and seasons and is based on operations, including establishment of remote camps and the amount of exploration. However, Figure 4-5 and Figure 4-6 indicate that flying height is varied. This may be due to reasons such as, but not limited to:

- differences in flying height between of some flight-types (e.g., passenger flights [flight codes: PaxLoc, CrewChg, etc.] are often conducted at lower heights than ferry flights [flight code: Ferry])
- differences between aircraft and/or pilots (e.g., one or more aircrafts flying lower than others)
- differences between altimeter and GPS readings and DEM (combined)
- inaccuracies or generalizations of the recorded reason for flight (e.g., only recording one reason for flight even if the flight had multiple purposes)
- inaccurate or missing comments (e.g., not recording a reason if low flight was required)
- variation in take-off and landing, which causes challenges with identifying and excluding take-off and landing from flying height summaries

Helicopter flight paths are highly variable, and pilots need to adjust flying speed, direction of travel, and changes in altitude based on purpose of the flight and weather conditions (e.g., wind, sightability, etc.). The variability in flight patterns, including different patterns of ascent and descent creates challenges for flight segment classification and identifying the “cruising” portion of a flight. Challenges with identifying and excluding take-off and landing likely account for some of the flight time below minimum height above ground requirements.

Another challenge relates to pilot perception of height above ground in comparison to altitude. It is important to note that pilots have instruments in the helicopters showing their current height above ground level, but this information is not part of the GPS system. While the project flight restrictions reference flying height above the ground (m), data provided from the aircraft tracking system provides the flying altitude (metres above sea level). To obtain flying height about the ground, the ground height above sea level must be accounted for. Additionally, as differences between flying height have been observed between aircrafts, calibration of equipment may improve flying height data. Many of the average heights that were identified as below the target thresholds were identified by the pilots as having flown above the required threshold according to their onboard instruments. Agnico Eagle will continue to work with helicopter contractors to improve helicopter data collection, including collection of detailed notes for flight classification.

Helicopter use at Meadowbank varies between years, though across years helicopter use tends to be concentrated in the summer, outside of the caribou sensitive seasons of spring and fall migration. Concentrating helicopter flights outside of sensitive season reduces the likelihood of disturbances to wildlife. During 2025, helicopter flights only occurred during summer, and there were substantially fewer flights than in previous years. Of the flights with successful connections between the GPS flight legs and flight reports, there were 160 flights compared to 1,386 flights in 2024. Excluding flights with a permissible reason for flying low, over 90% of short-range flights and 80% of long-ranged flights were above minimum height above ground requirements. It is important to note that while minimum flight requirements are based on reducing potential disturbances to wildlife, the height requirements are conservative and in many cases, wildlife may not be present in close proximity to flight paths. Nevertheless, Agnico Eagle will continue to work with helicopter contractors to ensure that pilots know to fly above the minimum height above ground thresholds whenever it is safe and feasible to do so.

4.5.10 Helicopter Activity and Wildlife

As a part of the project flight restrictions, pilots are made aware to avoid flocks of migratory birds by 1,100 m vertically and 1,500 m horizontally, avoid groups of caribou and muskox larger than 50 by 1,000 m vertically and 1,500 m horizontally, and avoid known raptor nests. Locations of these flights in relation to caribou, muskox, and raptor nests was assessed using the helicopter timestep locations (described above), the road survey point locations, caribou satellite collar data, and known nest locations.

4.5.10.1 Methods

Potential helicopter and caribou, muskox, and raptor nest co-occurrences were assessed using the *sf* package in R v4.5.2 (R Core Team 2025). This was done by overlapping buffered flight locations with known or estimated caribou, muskox, or raptor nest locations. The flight locations were buffered with an avoidance zone based on flight restriction parameters (1,500 m for caribou and muskox and 100 m for raptor nests). The buffered area of 100m for raptor nests was selected to assign an area around the nest that would be considered as a flyover (given the low likelihood of a point and flight line perfectly overlapping). The *st_intersects* function was then used to check if animal/nest observations fell within any buffered flight location. For satellite collar data and nest data, the spatial locations of the animals/nests were known and could be intersected with flight locations directly. For road surveys, the data provided the locations of the observers, who estimated the distance of the animals from the road. As such, for the road surveys, this estimated distance was used to buffer the road within a 2,000 m radius of the known observer locations. A 2,000 m radius was chosen to balance view distance with precision. Areas not visible from the road, based on elevation (Agnico Eagle 2020b), were excluded from these buffered locations. An estimated co-occurrence was then calculated as the intersection of these buffered observer location and a buffered flight location. Only intersections on the same side of the road were retained.

Potential co-occurrences were also defined within a time buffer. A collared caribou and a flight location was considered to have co-occurred if the flight location time was within 1 hour of the GPS fix time. A large time window was used because GPS fixes only occur every 4 hours. Road surveys do not have the same 4 hours time window as GPS fixes. Therefore, the temporal restriction for determining a co-occurrence for these observations was set to 10 minutes. For both GPS fixes and road surveys, the difference between the flight timestamp and an observation timestamp was calculated as the absolute difference between the two times. As it is unknown what occurred during this time gap, this time difference is referred to hereafter as event uncertainty. As the times and dates of the raptor nest usage were unknown, no temporal filters could be applied to these data.

The final result of temporal and spatial filtering was a set of potential co-occurrences with takeoffs and landings excluded. These data were inspected to ensure accuracy and to remove double-counts. Double-counts occurred when flight time locations were close together and overlapped the same observation on the same flight leg. In this situation, the flight location with the least event uncertainty was retained. If two observations occurred at the same place at the same time, the observation with the highest group estimate was retained.

4.5.10.2 Results

There was one ungulate-flight co-occurrences in 2025 (Table 4-13). This co-occurrence was with a group of muskox detected by incidental survey on July 3, 2025, at a flight height of 340 m. The flight was below the minimum height and not low flight eligible. The event uncertainty was less than 5 minutes. The group size was 11, which did not exceed the 50 individual threshold. There were no caribou-flight or raptor nest-flight co-occurrences in 2025.

Table 4-13: Summary of Wildlife and Flight Co-occurrences

Date	Season	Species	Group Size	Height (m)	Reason	Low Eligible[(a)]	Location	Event Uncertainty (min)
Road Survey Co-occurrences								
07-03	Summer	Muskox	11	340	Passenger	No	Meadowbank	4.6

(a) Low flight eligibility was determined from flight logs. See Section 4.5.9 for details.

4.5.10.3 Discussion

This analysis compared caribou and other wildlife observations from road surveys, collar locations, and known raptor nest locations to flight tracks as a coarse assessment of potential wildlife co-occurrences. Location data from caribou collars and raptor nests were more accurate, which facilitated realistic comparisons between wildlife observations and flight tracks.

Road survey comparisons to flight tracks provided a coarse review of potential co-occurrences because coordinates for observations were from the road, not at the actual location of wildlife. Therefore, intersections between buffered wildlife observations and buffered helicopter tracks could represent co-occurrences within 1,500 m or as far as ~5,500 m or more. Given this uncertainty, these results should be interpreted with caution. Ungulate-helicopter co-occurrences within an estimated 1,500 m buffer did not exceed group size thresholds of 50 animals on any occasion (Table 4-13). Observations of wildlife co-occurred with flight data on one occasion during summer. Instances of helicopters co-occurring near wildlife were rare, though data available are coarse and comparisons are largely limited to areas near roads, with the exception collared caribou data, which yielded no co-occurrences. Even with data limitations, helicopter flights only occurred during summer, meaning that flights are outside of the sensitive seasons and mainly occur during a time of year with fewer ungulates near the Project. Animal-flight co-occurrences were much lower in 2025 than in 2024 (35 animal-flight occurrences). This difference is expected, as the number of flights was much lower in 2025 (160 compared to 1,386 in 2024). Agnico Eagle will continue working with helicopter contractors to minimize interactions with wildlife.

4.6 Accuracy of Impact Predictions

A summary of the impact predictions identified in the TEMP version 9 (Agnico Eagle 2025a) that are evaluated, in part, by the Mine site ground surveys is presented in Table 4-14. Specifically, the 2025 Mine site ground survey monitoring data were compared to the impact prediction thresholds and the provision of adaptive management, as either a necessary or proactive measure. The Project-related mortality threshold for predatory mammals was exceeded in 2025. No other thresholds were exceeded. The monitoring results support that the mitigation implemented in 2025 was generally effective at minimizing Project-related mortalities to wildlife.

Table 4-14: Accuracy of Impact Predictions – Mine Site Wildlife Disturbances

Potential Effect	Threshold	Threshold Exceeded? (2025)	Adaptive Management Implemented	Monitoring Methods
Sensory Disturbance	No threshold but Decisions Trees followed when caribou are seen near mine facilities	Not Applicable	YES Use of Decision Tree for Management and Monitoring	Satellite-collaring data Road surveys Daily and weekly pit and Mine-site ground surveys Incidental wildlife reporting
Disturbance to Nesting Raptors	Raptor nest failures will not be caused by Project-related activities. Threshold is one nest failure per year	NO	YES Mine-related activity restricted within quarries with nesting activity	Daily and weekly pit and Mine-site ground surveys Incidental wildlife reporting Dedicated raptor nest surveys Road surveys
Disturbance of Nesting, Roosting or Moulting Waterfowl	Mine facilities and activities will not affect the breeding success of waterbirds occurring in the area or disturb large concentrations of roosting or moulting waterbirds. Threshold level is one nest failure per year	NO	NO	Daily and weekly pit and Mine-site ground surveys Incidental wildlife reporting
Project-related Mortality	Destruction of two problem grizzly bear, wolverine, or wolf per year	YES; 3 wolves	YES A general reminder to all site personnel regarding food waste, cigarette butts, proper waste segregation, closing sea can doors, and ensuring work areas are clean to avoid attracting wildlife on the site was sent via the daily communicator and through toolboxes. GN came to site for audit in July.	Daily and weekly pit and Mine-site ground surveys Wildlife deterrents and mortality reporting
Project-related Mortality	Two caribou or muskoxen mortality per year because of Project-related activities (e.g., falling into pits, tailing, sludge or other means)	NO	NO	Daily and weekly pit and Mine-site ground surveys Incidental wildlife reporting Wildlife mortality reporting
Project-related Mortality	Raptors and waterbirds will not be killed at the Mine site. Threshold is one individual per year	NO	NO	Daily and weekly pit and Mine-site ground surveys

4.7 Management Recommendations

The 2025 Mine site ground surveys were an effective source of monitoring to address the impact predictions for managing ungulates, predatory mammals, nesting raptors, and Project-related mortalities. Mitigation implemented in 2025, and previous years continues to be effective at minimize Project-related injuries and mortalities. The following are specific management recommendations for the Mine site ground survey monitoring program:

- Complete wildlife incident reports, according to the TEMP version 9, including deterrence events (Agnico Eagle 2025a). All wildlife deterrence events are currently submitted to the EQuIS database.
- Continue to conduct formal weekly pit and Mine surveys to document wildlife activity and to verify that effects to wildlife are not occurring from Project-related activities.
- Continue raptor nest monitoring within the Meadowbank and Whale Tail LSAs, and along the AWAR and WTHR.
- Continue to document the use of deterrents to prevent habituation of wildlife near the Project or to relocate problematic wildlife.
- Continue to apply the Wildlife Protection and Response Plan (Appendix B of TEMP version 9, Agnico Eagle 2025a), which includes waste provisions, training, incident reporting, and protocols for problem wildlife. Efforts should be taken to ensure all perishable garbage is directed to the composter and other proper waste disposal facilities.
- Continue training and education to ensure that incidental wildlife reporting is completed by all Mine site personnel so that Environment personnel can remain informed of pertinent wildlife-related activity near the Mine site.
- Monitor tailings ponds daily during the waterbird migration period, beginning in mid-May. Increase the frequency of deterrent use if required.
- Continue to gather detailed information (e.g., sex, age, photos) on deceased animals and include in incident reports, when possible.
- Review of methods with the TAG and helicopter contractor to discuss decisions made for take-off/landing and short versus long-range flights.
- Improve comments for reasons for low flights, even if flying low for only a portion of the flight.

5 WILDLIFE HABITAT MONITORING

5.1 Overview

The wildlife habitat mapping monitoring program was developed to describe the overall area of different Ecological Land Classification (ELC) units lost due to Mine-related activities (i.e., during construction, operation, decommissioning, and post-closure phases) at three primary locations: Meadowbank Main and Vault sites (which together encompass the Mine site), the AWAR, and the Whale Tail Mine and WTHR.

The initial strategy in the impact assessments for Meadowbank and Whale Tail was to compare predicted habitat losses (i.e., from the environmental assessments) to actual losses from Mine development; however, subsequent regulatory approvals, regular infrastructure extensions and expansions, and changes to the Project, and made this approach difficult to implement. The current approach is to map and compare current habitat losses from development to areas allowable under permits. Habitat loss monitoring is completed every year but more formal assessments are completed every three years post-construction, or if changes are greater than 25% of the overall Mine site footprint from the previous evaluation. The last comprehensive analysis was completed in 2024, therefore the next comprehensive analysis is scheduled for the 2027 reporting year unless changes are greater than 25% between consecutive years before 2027.

5.2 Objective

The primary initial objective of the habitat mapping monitoring program is to confirm that habitat losses identified in the TEMP (Agnico Eagle 2025a). This includes habitat losses from the development of the Mine sites, haul roads, and AWAR, plus any subsequent approved extensions. The cumulative amount of area developed is compared to threshold limits. Beginning in 2018, habitat losses are compared to permitted areas, which encompasses Mine development areas. A summary of each monitoring parameter, predicted losses, permitted areas, and thresholds for the Meadowbank Mine and Whale Tail Mine components is included in Table 5-1 and Table 5-2, respectively.

During years with completion of a comprehensive analysis, ELC unit losses are recalculated. For Meadowbank and the AWAR, ELC unit losses were calculated using two different ELC layers, including the original spatial layer from the 2005 EIS (Cumberland 2005) and then a newer ELC spatial layer was applied (Dougan & Associates 2015), which is the Government of Nunavut Kivalliq Ecological Land Classification (KELC) Map Atlas (Campbell et al. 2012). In Table 5-1, predicted losses have been updated to reflect habitat loss predictions from the 2024 landcover as calculated for the 2024 annual report (WSP 2025a). In cases when 2024 data using a new land classification system was not deemed adequate to capture land use changes, information from the 2021 Wildlife Summary Report (Golder 2022), and 2005 Environmental Impact Statement (EIS; Cumberland 2005), and TEMP version 9 (Agnico Eagle 2025a) was occasionally used (see footnotes).

Table 5-1: Habitat Mapping Monitoring Parameters, Predicted Footprint Losses, Permitted Areas, and Thresholds for the Meadowbank Mine, All-Weather Access Road

Monitoring Parameter	Mine Site Predicted Loss	AWAR Predicted Loss	2025 Mine Site Permitted Area	Threshold
Wildlife Habitat	1,130 ha[a]	180 ha[ab]	1,534 ha[c]	>5% Permitted Area
Ungulate – High Suitability Habitat	372 ha (growing)[a] 280 ha (winter)[a]	34 ha (growing)[d] 107 ha (winter)[d]	34 ha (growing)[e] 664 ha (winter)[e]	>10% Permitted Area
Small Mammals – High Suitability Habitat	Given the minimal effects associated with the Meadowbank Project, habitat loss effects on Small Mammals were screened out during the FEIS (Golder 2016)			
Waterbirds – High Suitability Habitat	274 ha[a]	16 ha[d]	200 ha[e]	>10% Permitted Area
Breeding Birds – High Suitability Habitat	594 ha[a]	86 ha[d]	533 ha[e]	>10% Permitted Area

(a) Based on 2021 Wildlife Summary Report (Golder 2022).

(b) Permitted area along the AWAR is 455 ha.

(c) Based on 2025 lease boundaries.

(d) Based on 2024 footprint and comprehensive assessment (WSP 2025a) and 2005 EIS (Cumberland 2005).

(e) Based on 2024 permitted area and comprehensive assessment, and Kivalliq Ecosystem Land Classification (WSP 2025a).

Table 5-2: Habitat Mapping Monitoring Parameters, Predicted Footprint Losses, Permitted Areas, and Thresholds for the Whale Tail Mine and Haul Road

Monitoring Parameter	Whale Tail Predicted Loss	Whale Tail Permitted Area	Threshold
Wildlife Habitat	775 ha[a]	1,574 ha[b]	>5% Permitted Area
Ungulate – High Suitability Habitat	22 ha (growing)[c] 614 ha (winter)[c]	58 ha (growing)[d] 1,116 ha (winter)[d]	>10% Permitted Area
Small Mammals – High Suitability Habitat	Given the minimal effects associated with the Meadowbank Project, habitat loss effects on small mammals were screened out during the FEIS (Golder 2016)		
Waterbirds – High Suitability Habitat	Given the minimal effects associated with the Meadowbank Project, habitat loss effects on waterbirds were screened out during the FEIS (Golder 2016)		
Breeding Birds – High Suitability Habitat	Given the minimal effects associated with the Meadowbank Project, habitat loss effects on breeding birds were screened out during the FEIS (Golder 2016)		

(a) Based on 2021 Wildlife Summary Report (Golder 2022).

(b) Based on 2025 Lease Boundaries.

(c) Based on 2024 footprint and comprehensive assessment, and Kivalliq Ecosystem Land Classification (WSP 2025a).

(d) Based on 2024 permitted area and comprehensive assessment, and Kivalliq Ecosystem Land Classification (WSP 2025a).

Habitat suitability rankings are summarized in Table 5-3. Further description of these rankings is provided in Dougan & Associates (2015).

Table 5-3: Habitat Suitability Rankings for VECs.

ELC Habitat	Caribou Growing	Caribou Winter	Muskox Growing	Muskox Winter	Waterbirds	Breeding Birds
Water	-	Low	-	Low	High	Low
Sand	Medium	Low	Low	Low	Medium	Medium
Boulder/Gravel	Medium	Low	Low	Low	Medium	Medium
Wet Graminoid	High	Medium	High	High	High	High
Graminoid Tundra	High	Medium	High	High	High	High
Graminoid/Shrub Tundra	High	Medium	High	High	Medium	High
Shrub Tundra	Medium	Low	Medium	Medium	Low	High
Shrub/Heath Tundra	Medium	Medium	Medium	Medium	Low	High
Heath Tundra	Medium	High	Medium	Medium	Low	High
Heath Upland	Medium	High	Medium	Medium	Low	High
Heath Upland/Rock Complex	Medium	High	Low	Low	Low	Medium
Lichen Tundra	Low	Medium	Low	Low	Low	Medium
Lichen/Rock Complex	Medium	High	Medium	Medium	Low	Medium

5.3 Duration

The total area of habitat disturbance associated with Mine site and ancillary facility construction was mapped following significant construction completion (2010) and was to be mapped annually during the operation phase as detailed in the TEMP (Agnico Eagle 2025a). At the end of 2010, a detailed ELC habitat loss analysis found that habitat losses to date were substantially lower than predicted and that no habitat loss thresholds for VECs were exceeded. Given this outcome, another detailed ELC habitat loss analysis was not provided until the 2012 report, which had similar conclusions as those in 2010. The 2014 habitat analysis determined that habitat losses were still below predicted losses but that some of the thresholds were being reached. A partial analysis was conducted in 2017 while a full analysis using a revised approach was completed in 2018, 2021, and 2024.

The current habitat mapping monitoring program is intended to be completed every three years post-construction or if changes are greater than 25% of the overall Mine site footprint from the previous year evaluation. This frequency may be reduced during the operation phase if the amount of new disturbance and reclamation areas is relatively unchanged. Following decommissioning, vegetation mapping will be conducted during the second growing season following closure and every three years thereafter for four iterations (TEMP version 9; Agnico Eagle 2025a).

5.4 Methods

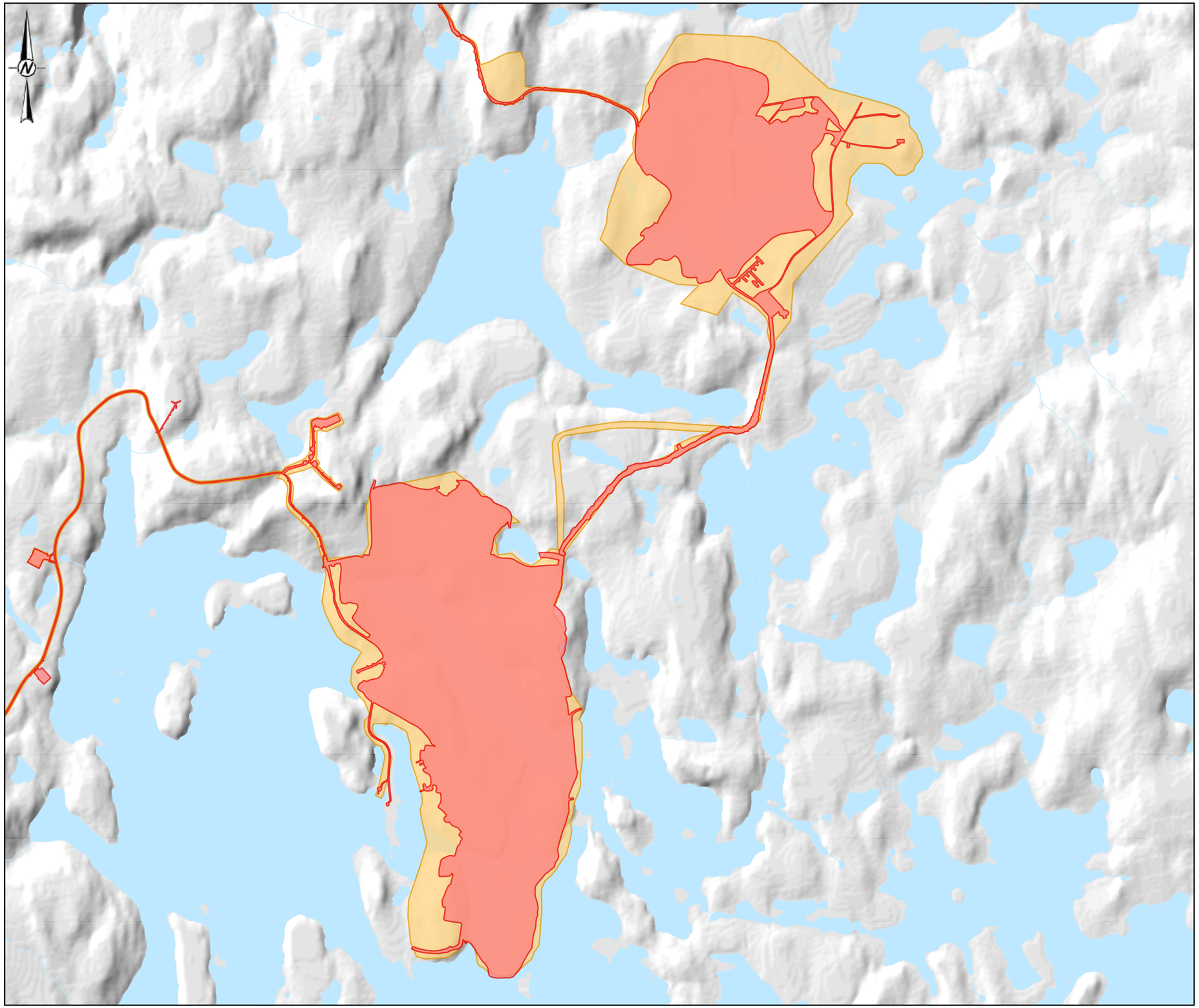
Monitoring of habitat loss occurs at three primary locations: Meadowbank Mine (includes Vault Pit and Haul Road), AWAR (including quarry sites), and Whale Tail Mine and Haul Road (includes borrow/quarries sites and access roads). The footprints and permitted areas were updated based on 2025 data. Calculated losses were then subtracted from the permitted lease areas to ensure actual disturbances are within the lease area boundaries.

During non-comprehensive reporting years, disturbance footprints are assessed to determine if they have increased by 25%, which would trigger a comprehensive assessment. Changes to footprint occurred at the Meadowbank Mine, Whale Tail Mine, and quarries along the AWAR and WTHR in 2025. Current spatial files were overlayed on the 2024 footprint, to determine the percentage change in footprint area.

For reporting years that include a comprehensive assessment, disturbances are compared to permitted areas to determine whether current disturbances exceeded permitted areas.

5.5 Results

New development in 2025 occurred at the Meadowbank Mine, Whale Tail Mine, quarries along the WTHR, and quarries along the AWAR. There was a less than 1% change (0.2 ha) in the Meadowbank footprint between 2024 and 2025 (Figure 5-1). There were no disturbance footprint changes at Vault and connecting roads. There was a 1% disturbance footprint increase (9.4 ha) at the Whale Tail Mine and Whale Tail Haul Road between 2024 and 2025 (Figure 5-2). For the AWAR and associated quarries, there was a 3% footprint increase (5 ha) between 2024 and 2025. The changes in footprints since the previous assessment were less than 25%, therefore a comprehensive analysis was not triggered for the 2025 reporting year. The next comprehensive analysis will be in 2027.



LEGEND

- AREA DISTURBED (2025)
- PERMITTED LEASE AREA
- WATERCOURSE
- WATERBODY

0 800 1,600

1:40,000 METRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.

COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

MEADOWBANK MINE SITE FOOTPRINT, 2025

CONSULTANT

wsp

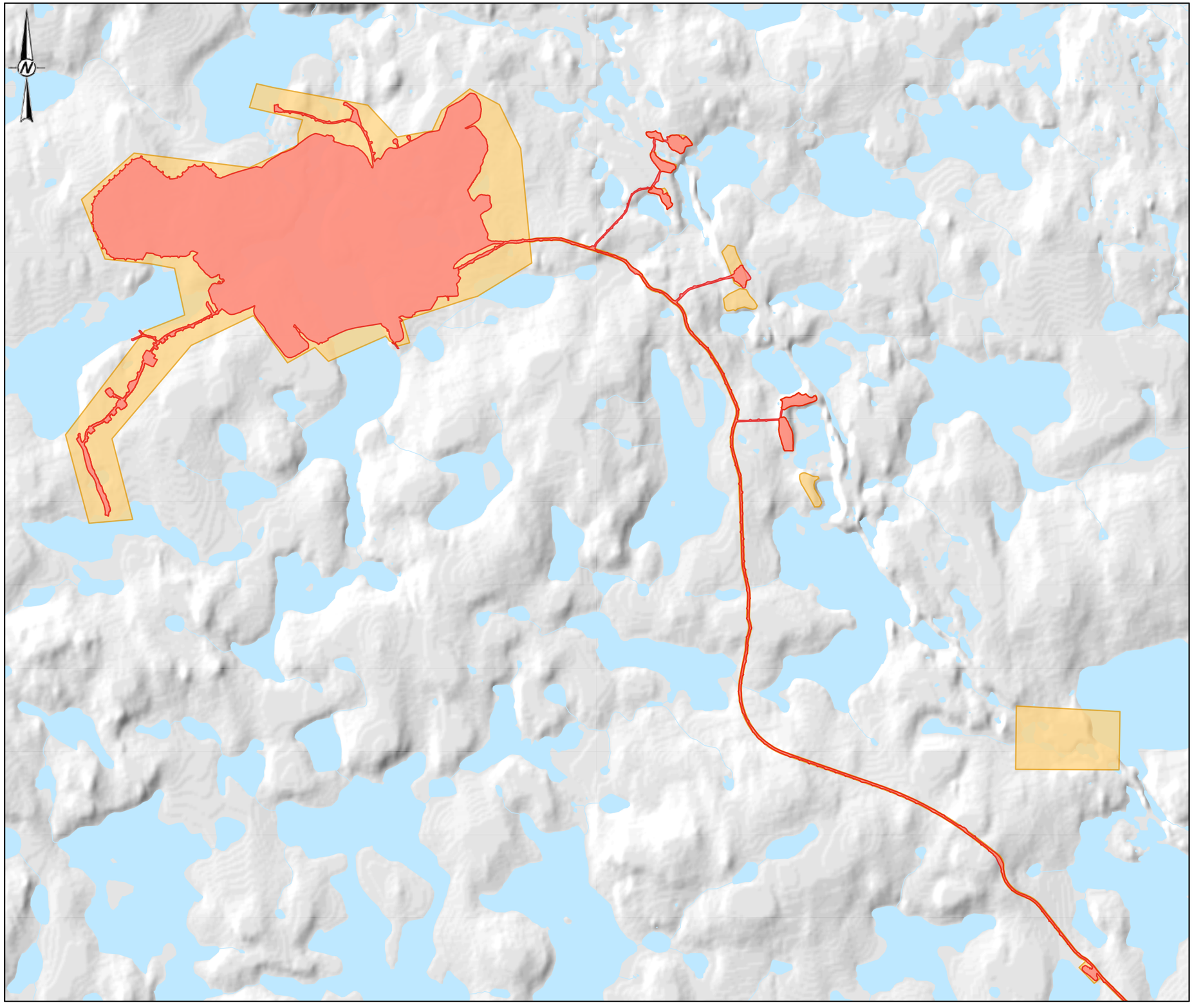
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PREPARED	CDB
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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0 25mm



LEGEND

- AREA DISTURBED (2025)
- PERMITTED LEASE AREA
- WATERCOURSE
- WATERBODY

0 800 1,600

1:40,000 METRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.
COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

WHALE TAIL MINE AND HAUL ROAD FOOTPRINT, 2025

CONSULTANT

wsp

YYYY-MM-DD	2026-02-25
DESIGNED	JF
PREPARED	CDB
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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5.6 Accuracy of Impact Predictions

The 2025 habitat loss data were compared to permitted areas (i.e., rather than EIA predicted areas and extensions) to evaluate adherence to allowable (permitted) development and the provision of adaptive management, as either a necessary or proactive measure. Actual habitat loss as result of Mine site, AWAR, and WTHR construction to date is less than permitted areas (Table 5-4).

Table 5-4: Accuracy of Impact Predictions – Habitat Loss

Measurable Parameter	Threshold (Compared to Permitted Areas)	Threshold Exceeded (2025)	Adaptive Management Implemented	Status
Habitat Loss	Terrestrial Habitat ▪ Meadowbank = 1,534 ha ▪ AWAR = 455 ha ▪ Whale Tail = 1,574 ha Threshold is >5% habitat loss of permitted area	Not Assessed	None required	Ground Surveys Mapping and GIS analyses – ELC habitat mapping
	Ungulates Meadowbank Mine Site ▪ Growing = 34 ha ▪ Winter = 664 ha AWAR ▪ Growing = 34 ha ▪ Winter = 107 ha Whale Tail + WTHR ▪ Growing = 58 ha ▪ Winter = 1,116 ha	Not Assessed	None Required	
	Small Mammals Waterbirds Breeding Birds	Given the minimal effects associated with the Meadowbank project, habitat loss effects were screened out during the EA (Golder 2016)		
	Following mine closure, up to 80% of the reclamation will be completed by year 12. Refer to the reclamation and closure plan for more details.	Not yet applicable		

AWAR = All-Weather Access Road, EA = Environmental Assessment, ELC = Ecological Land Classification, GIS = Geographic Information System.

5.7 Management Recommendations

Measured change in footprint for the Meadowbank Mine and Vault sites, the AWAR, the Whale Tail Mine and WTHR was assessed as less than 25% change in 2025. Therefore, the next comprehensive habitat analysis will be completed for the 2027 monitoring year.

6 CARIBOU SATELLITE-COLLARING PROGRAM

6.1 Overview

The caribou satellite-collaring program continued in 2025 and includes data collected within the Project. Collar deployment for this program is completed by the Government of Nunavut in collaboration with hunters and Elders. The program allows Agnico Eagle to assessing the spatial relationship between collared caribou and the Project RSA.

6.2 Objectives

The satellite-collaring program was developed to provide information on the distribution of caribou occurring within the Project RSA and contribute data to ongoing satellite-collaring programs for the Ahiak, Beverly, Lorillard, Qamanirjuaq, and Wager Bay herds, as well as individuals not yet assigned to a herd and marked as Northeast Mainland (NEM) in the data. The satellite-collaring program, along with regional data, are important monitoring and management tools that provide a regional perspective on caribou activity near Mine operations. Another key objective of the program is to provide timely information for the caribou management and monitoring strategy at the Meadowbank and Whale Tail sites (i.e., Decision Tree approach; see TEMP [Agnico Eagle 2025a]).

To better understand caribou movement trajectories across the WTHR and AWAR, a descriptive analysis using the most recent telemetry data was performed using data current to 31 December 2025. Seasonal movement maps were produced to visualize the spatial relationships between collared caribou and the Project RSA in 2025.

6.3 Duration and Methods

The satellite-collaring program was initially designed to continue for five consecutive years in accordance with the original TEMP (Cumberland 2006). Caribou in the Baker Lake area were first collared in May 2008, and the program continued for more than a decade.

Caribou collaring methods and deployment are administered by the GN DoE. Caribou are carefully netted by the contracted satellite-collaring crew via helicopter and fitted with either an Advanced Research and Global Observation Satellite (ARGOS), GPS Type IV or Iridium satellite-collar.

Deployed collar data were included in a population distribution analysis completed for the GN (Nagy et al. 2011). The clustering and movements of each collared caribou were examined and assigned to the sub-population (i.e., Ahiak, Beverly, Lorillard, Qamanirjuaq, and Wager Bay herds) that best fits the animal's movement characteristics. For the purposes of this analysis the Ahiak and Beverly herds were treated as a single herd due to similar movement patterns.

6.4 Historical Results

Collar deployment around Baker Lake with the assistance of Agnico Eagle began in 2008. The number of collared caribou continues to grow yearly. The number of collared caribou that interact with the Project fluctuates yearly but remains relatively low (Table 6-1).

Table 6-1: Total Number of Collared Caribou and GPS Fixes across Years

Year	Total Collars	Total Fixes	Collars in RSA	Fixes in RSA	Collars in RSA (%)	Fixes in RSA (%)
Meadowbank RSA						
2008	42	6,973	0	0	0.0	0.0
2009	50	7,021	2	2	4	0.0
2010	29	9,006	9	82	31.0	0.9
2011	59	13,000	6	38	10.2	0.3
2012	39	9,842	5	71	12.8	0.7
2013	61	22,968	4	40	6.6	0.2
2014	37	32,017	3	145	8.1	0.5
2015	45	45,292	3	249	6.7	0.6
2016	54	87,069	5	323	9.3	0.4
2017	83	129,347	3	114	3.6	0.1
Meadowbank RSA + Whale Tail RSA						
2018	78	133,277	19	1,902	24.4	1.4
2019	96	156,204	11	713	11.5	0.5
2020	73	123,838	10	707	13.7	0.6
2021	46	72,590	5	386	10.9	0.5
2022	70	83,467	5	304	7.1	0.4
2023	231	328,837	39	2,485	16.9	0.8
2024	196	163,629	33	792	16.8	0.5
2025	95	234,372	21	1,698	22.1	0.7

6.5 2025 Caribou Movement Patterns

In 2025, 21 individuals from three different herds (Ahiak-Beverly, Lorillard, and Wager Bay) had collar fixes within the Project RSA. The most interactions with the Project RSA occurred during spring migration, when 15 individuals had fixes within the RSA. The earliest and latest dates of GPS fixes in the RSA for each season summarized in Table 6-2.

Table 6-2: Number of Collared Caribou by Season that Interacted with the Project RSA with Arrival and Exit Dates

Season[(a)]	Number of Collars	Earliest Arrival	Latest Exit
Spring (01 Apr to 25 May)	15	2025-04-30	2025-05-14
Summer (26 May to 21 Sep)	5	2025-07-30	2025-09-21
Fall (22 Sep to 15 Dec)	10	2025-09-25	2025-12-15
Winter (16 Dec to 31 Mar)	6	2025-12-23	2025-03-16

(a) Season classification follows GN's date definitions.

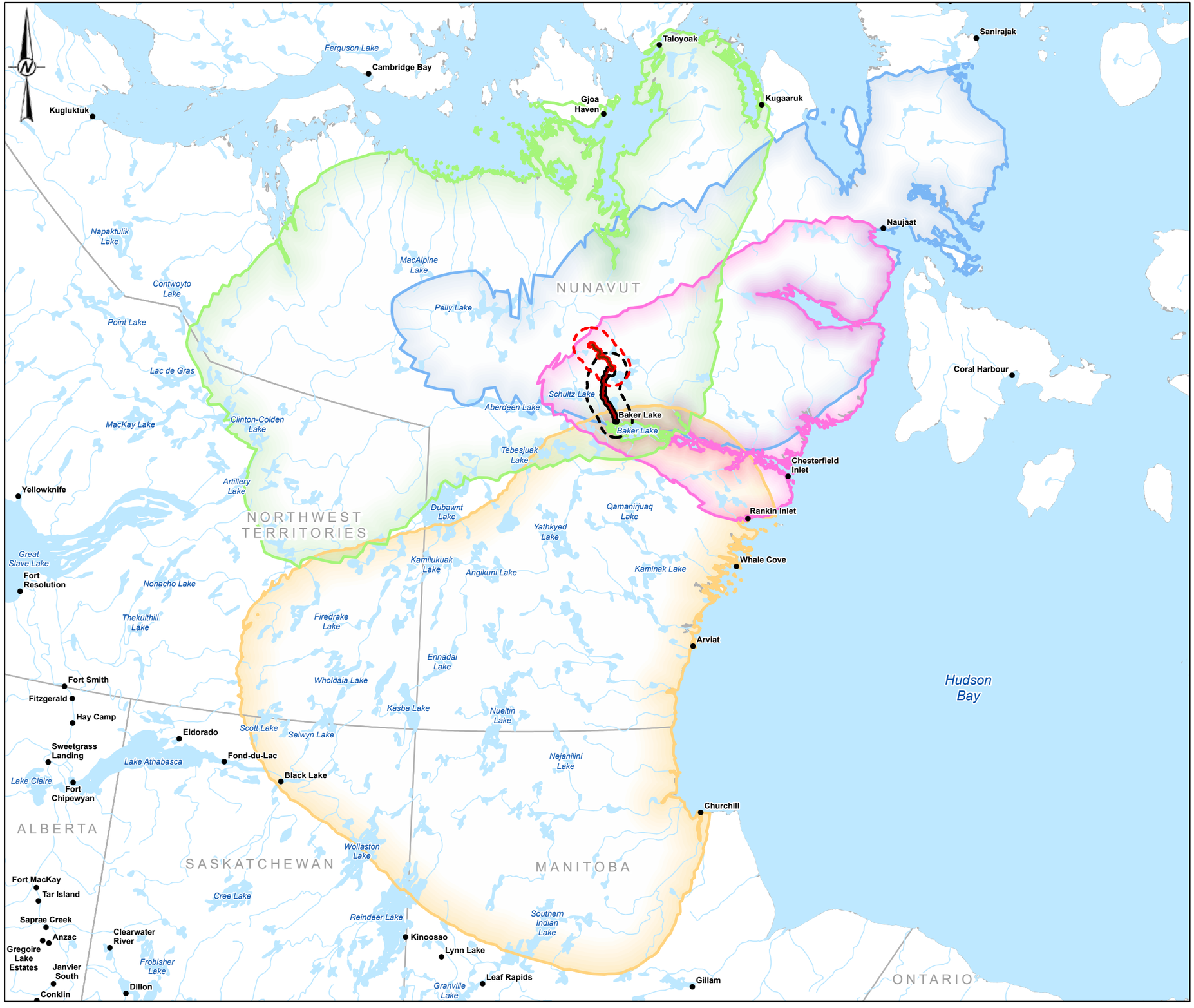
Migration pattern maps were produced for the Ahiak/Beverly, Lorillard, Qamanirjuaq, and Wager Bay caribou ranges (Figure 6-1). Caribou ranges provided on maps were included for reference, but the Ahiak range in this case is used to represent areas used by both Ahiak and Beverly herds.

Overwintering collared caribou in January to March 2025 show more limited movement compared to other seasons. The collared Lorillard caribou overwintered west of the Project RSA, with the exception of one individual that overwintered south of Wager Bay, which is over 350 km east of the Project and this caribou showed limited movement throughout the year. Collared individuals from the Wager Bay herd overwintered both east and west of the project before migrating northeast in the spring. Collared individuals from the Ahiak/Beverly herds overwintered primarily west of the Project in the Northwest Territories.

During spring migration 2025, the Ahiak/Beverly, Lorillard and Wager Bay caribou interacted with the RSA while migrating in a generally a northeastern direction throughout April and May (Figure 6-2). During spring migration, the Qamanirjuaq herd moved from eastern Northwest Territories towards the coast of Hudson’s Bay and Rankin Inlet. The Qamanirjuaq caribou remained south of Baker Lake and did not interact with the Project RSA.

During summer 2025, caribou directional movements followed less of a consistent pattern (Figure 6-3). Caribou were more dispersed and used large areas during summer. The herds in the Ahiak/Beverly, Lorillard and Wager Bay ranges showed a roughly northward movement towards coastal areas early in the summer, which is consistent with expected patterns during the insect avoidance seasons. In June the collared Qamanirjuaq individuals moved to the coastal areas of the Hudson’s Bay near Rankin Inlet. By mid-July most herds show a dispersed southwest movement, with collared individuals from the Ahiak/Beverly herds interacting with Project at the north end of the RSA (Figure 6-2).

During fall migration 2025, caribou show limited directional movement until mid-October, when all herds followed a pattern of dispersed southwest movements (Figure 6-4). The Lorillard and Wager Bay herds remained primarily on the east of the Project RSA throughout fall migration and December, interacting with the southern half of the RSA.



LEGEND

- POPULATED PLACE
- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)
- WHALE TAIL REGIONAL STUDY AREA (RSA)
- WHALE TAIL LOCAL STUDY AREA (LSA)
- MEADOWBANK REGIONAL STUDY AREA (RSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WATERCOURSE
- WATERBODY
- PROVINCIAL/TERRITORIAL BOUNDARY

ANNUAL RANGE

- AHIAK
- LORILLARD
- QAMANIRJUAQ
- WAGER BAY

0 120 240

1:6,000,000 KILOMETRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. BASE DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES. CANADA. ALL RIGHTS RESERVED.
3. CARIBOU DATA OBTAINED FROM DEPARTMENT OF ENVIRONMENT (GOVERNMENT OF NUNAVUT), GOVERNMENT OF NORTHWEST TERRITORIES.

COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

CARIBOU ANNUAL RANGES

CONSULTANT

wsp

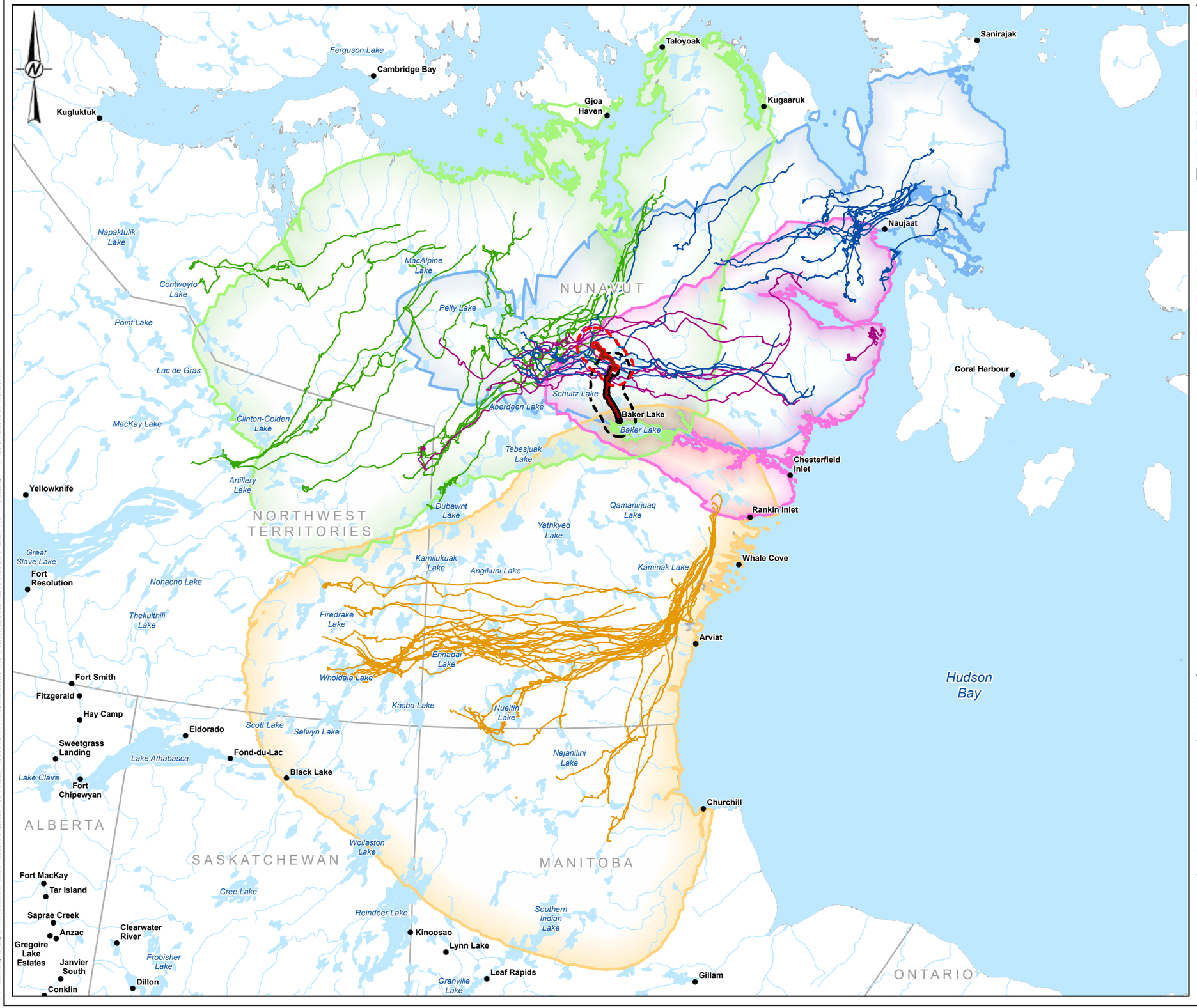
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DESIGNED	JVE
PREPARED	CDB
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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LEGEND

- POPULATED PLACE
- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)
- WHALE TAIL REGIONAL STUDY AREA (RSA)
- WHALE TAIL LOCAL STUDY AREA (LSA)
- MEADOWBANK REGIONAL STUDY AREA (RSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WATERCOURSE
- WATERBODY
- PROVINCIAL/TERRITORIAL BOUNDARY

2025 SATELLITE-COLLARED CARIBOU (SPRING)

- AHIAK/BEVERLY
- LORILLARD
- QAMANIRJUAQ
- WAGER BAY

ANNUAL RANGE

- AHIAK
- LORILLARD
- QAMANIRJUAQ
- WAGER BAY

0 120 240

1:6,000,000 KILOMETRES

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3. CARIBOU DATA OBTAINED FROM DEPARTMENT OF ENVIRONMENT (GOVERNMENT OF NUNAVUT), GOVERNMENT OF NORTHWEST TERRITORIES.

COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE MINES LIMITED: MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

COLLARED CARIBOU MOVEMENTS DURING SPRING (APRIL 1 TO MAY 25, 2025)

CONSULTANT

wsp

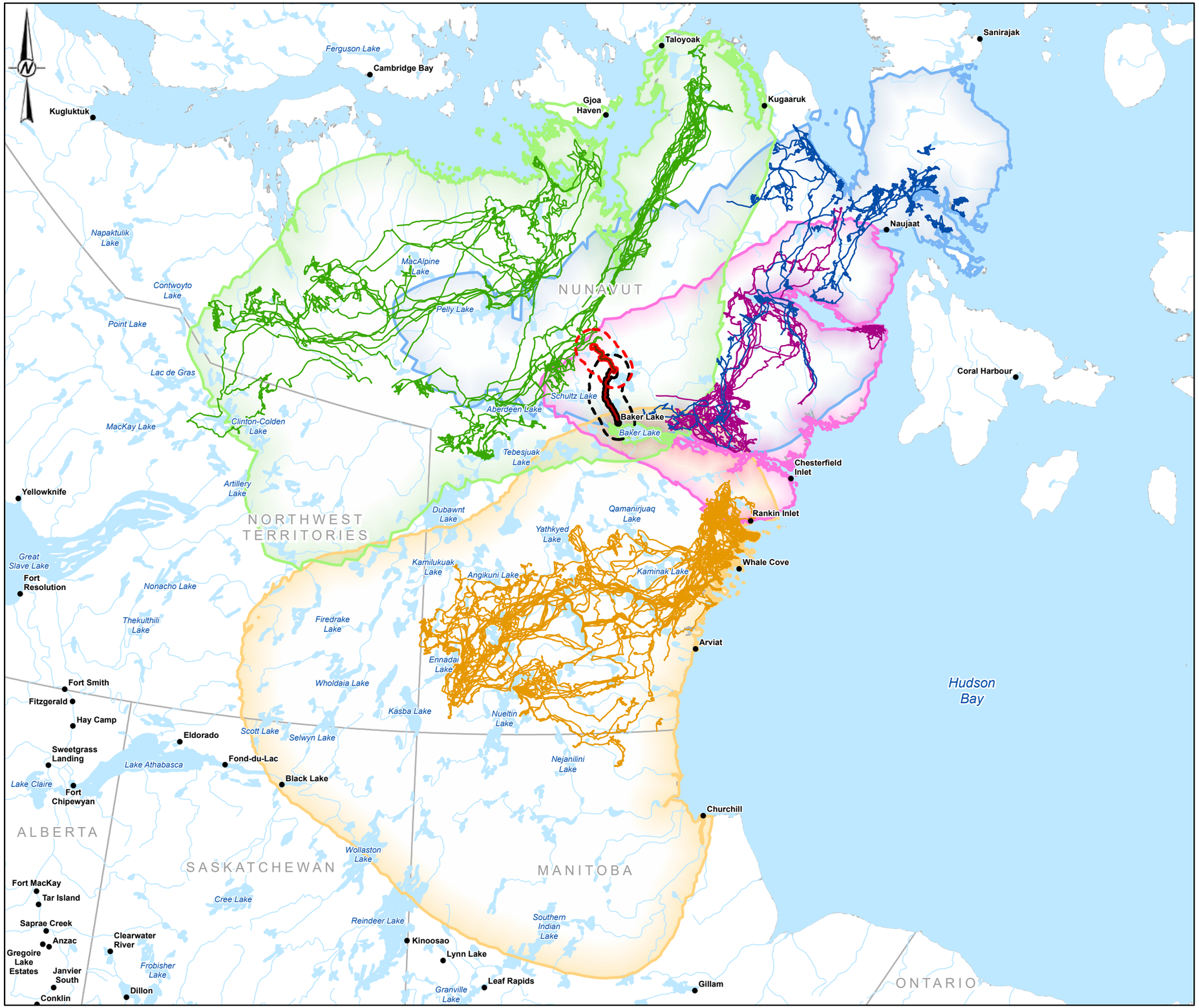
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DESIGNED	JVE
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REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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LEGEND

- POPULATED PLACE
- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)
- WHALE TAIL REGIONAL STUDY AREA (RSA)
- WHALE TAIL LOCAL STUDY AREA (LSA)
- MEADOWBANK REGIONAL STUDY AREA (RSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WATERCOURSE
- WATERBODY
- PROVINCIAL/TERRITORIAL BOUNDARY

2025 SATELLITE-COLLARED CARIBOU (SUMMER)

- AHIAK/BEVERLY
- LORILLARD
- QAMANIRJUAQ
- WAGER BAY

ANNUAL RANGE

- AHIAK
- LORILLARD
- QAMANIRJUAQ
- WAGER BAY

0 120 240

1:6,000,000 KILOMETRES

REFERENCE(S)

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AGNICO EAGLE

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MEADOWBANK DIVISION

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2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

COLLARED CARIBOU MOVEMENTS DURING SUMMER (MAY 26 TO SEPTEMBER 21, 2025)

CONSULTANT

wsp

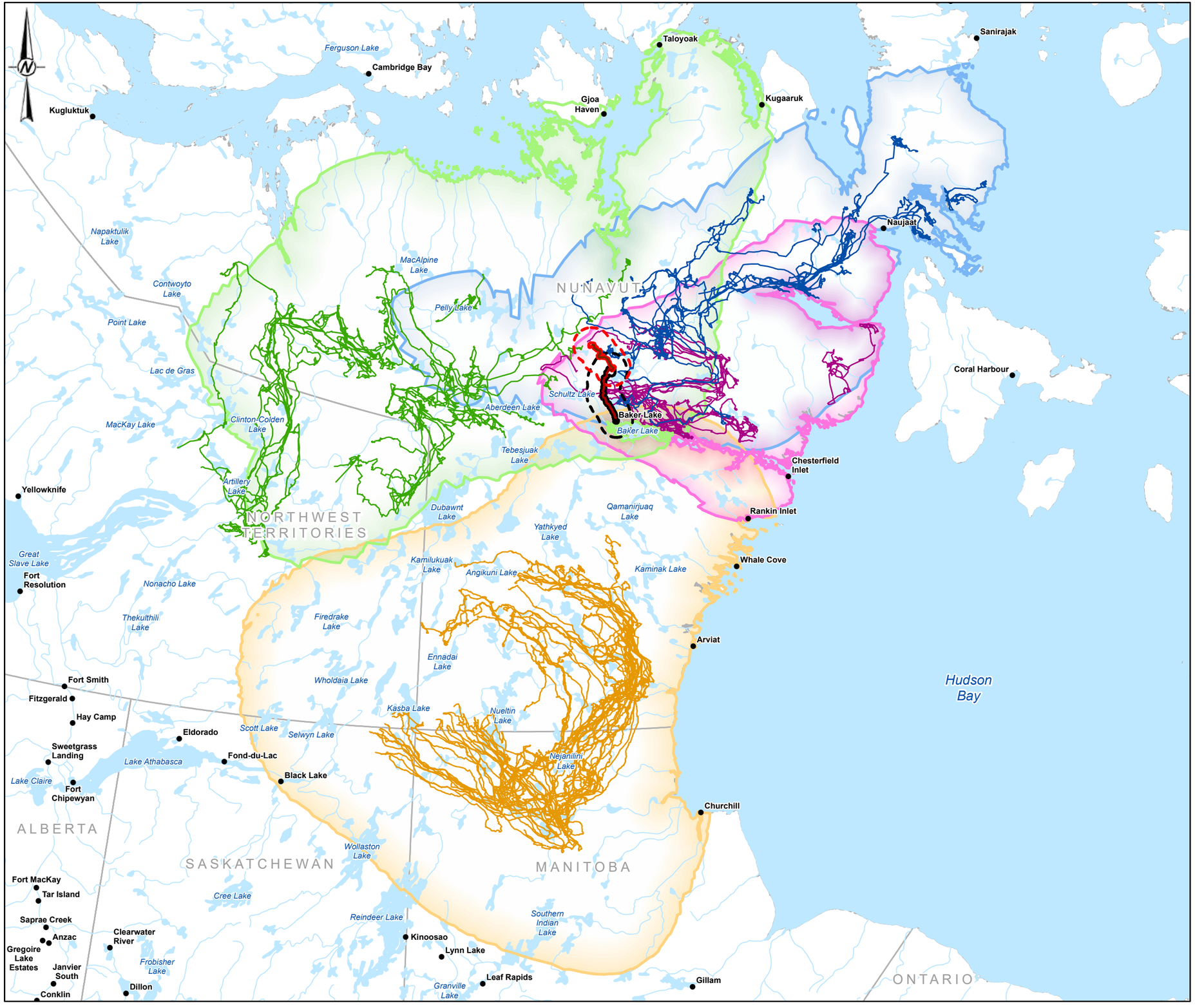
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LEGEND

- POPULATED PLACE
- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)
- WHALE TAIL REGIONAL STUDY AREA (RSA)
- WHALE TAIL LOCAL STUDY AREA (LSA)
- MEADOWBANK REGIONAL STUDY AREA (RSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WATERCOURSE
- WATERBODY
- PROVINCIAL/TERRITORIAL BOUNDARY

2025 SATELLITE-COLLARED CARIBOU (FALL)

- AHIAK/BEVERLY
- LORILLARD
- QAMANIRJUAQ
- WAGER BAY

ANNUAL RANGE

- AHIAK
- LORILLARD
- QAMANIRJUAQ
- WAGER BAY

0 120 240

1:6,000,000 KILOMETRES

REFERENCE(S)

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3. CARIBOU DATA OBTAINED FROM DEPARTMENT OF ENVIRONMENT (GOVERNMENT OF NUNAVUT), GOVERNMENT OF NORTHWEST TERRITORIES.

COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

COLLARED CARIBOU MOVEMENTS DURING FALL (SEPTEMBER 22 TO DECEMBER 15, 2025)

CONSULTANT

wsp

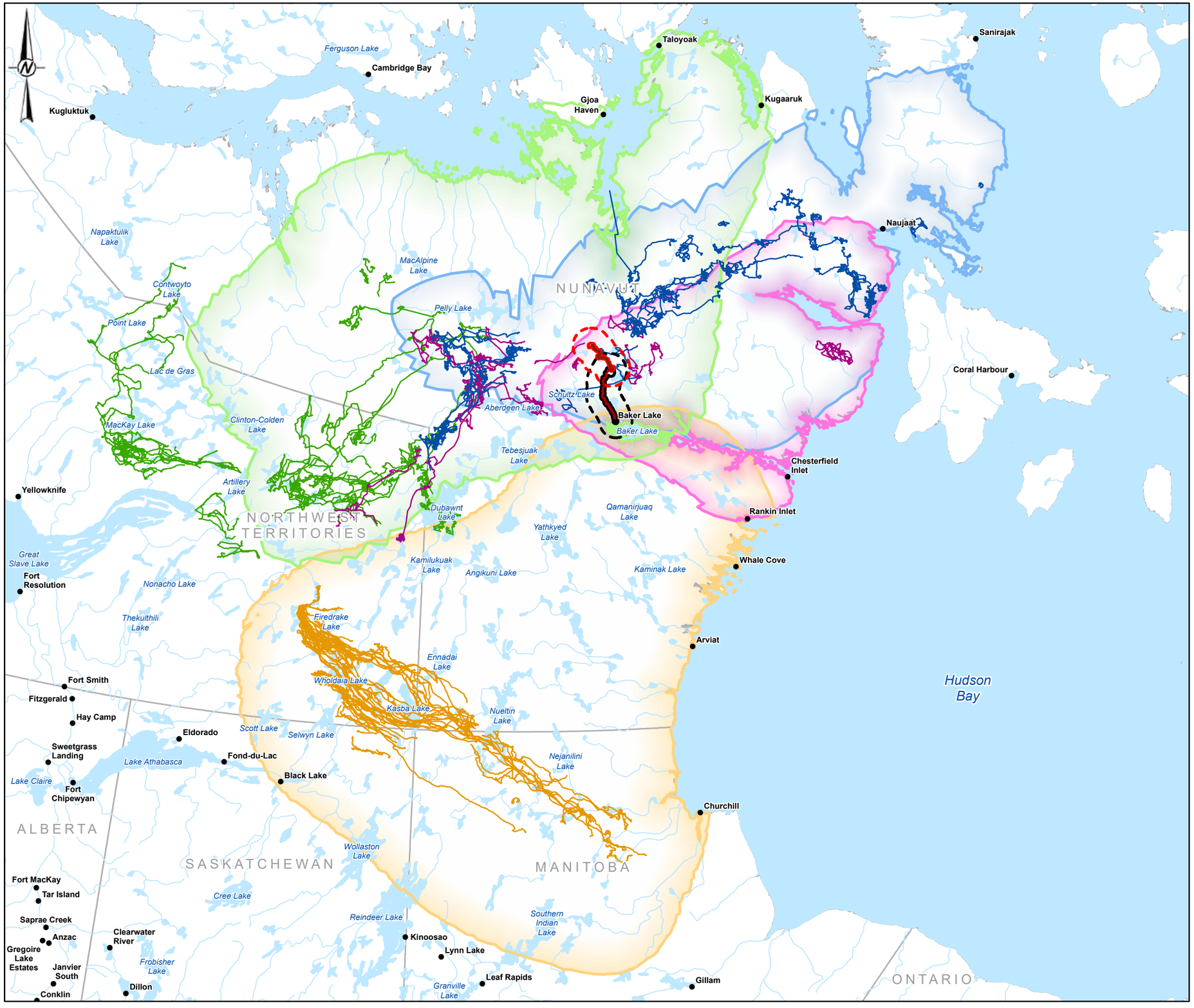
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PREPARED	CDB
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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LEGEND

- POPULATED PLACE
- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)
- WHALE TAIL REGIONAL STUDY AREA (RSA)
- WHALE TAIL LOCAL STUDY AREA (LSA)
- MEADOWBANK REGIONAL STUDY AREA (RSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WATERCOURSE
- WATERBODY
- PROVINCIAL/TERRITORIAL BOUNDARY

2025 SATELLITE-COLLARED CARIBOU (WINTER)

- AHIAK/BEVERLY
- LORILLARD
- QAMANIRJUAQ
- WAGER BAY

ANNUAL RANGE

- AHIAK
- LORILLARD
- QAMANIRJUAQ
- WAGER BAY

0 120 240

1:6,000,000 KILOMETRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. BASE DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES. CANADA. ALL RIGHTS RESERVED.
3. CARIBOU DATA OBTAINED FROM DEPARTMENT OF ENVIRONMENT (GOVERNMENT OF NUNAVUT), GOVERNMENT OF NORTHWEST TERRITORIES.

COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

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AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

COLLARED CARIBOU MOVEMENTS DURING WINTER (DECEMBER 16 TO MARCH 31, 2025)

CONSULTANT

wsp

YYYY-MM-DD	2026-02-25
DESIGNED	JVE
PREPARED	CDB
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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6.6 Accuracy of Impact Predictions

There are no specific impact predictions for caribou migration movements. Seasonal patterns of collared caribou movements vary across space and by season. Yearly and seasonal variability may be driven by ecological factors such as patterns of lichen growth, weather, and insect harassment (Gurarie et al. 2019; Joly et al. 2024). Further, shifts in caribou ranges are expected in response to changes in resource availability, such as from resource depletion from prior caribou use (Orndahl et al. 2025).

6.7 Management Recommendations

Due to seasonal and yearly variability in movement patterns at the RSA scale, flexible and responsive mitigation measures, such as TEMP decision trees, are likely to continue to be the most effective. Ecologically relevant variables on caribou movements include snow conditions (Mallory et al. 2020), weather (Gurarie et al. 2019), and vegetation cover (Joly et al. 2024). By considering how ecological factors determine movement choices from one GPS fix to the next, it may be possible to understand what determines movement trajectories that result in interactions with the Project RSA. With the continued goal of protecting the maximum number of caribou in an effective and efficient manner, further studies that incorporate both collar data and IQ knowledge will be valuable for understanding caribou movement in relation to the Meadowbank Complex.

7 VIEWSHED SURVEYS

7.1 Overview

Viewshed surveys were implemented in 2020 to survey standardized and readily accessible locations along the WTHR that would maximize detection of approaching caribou because topography around the WTHR is variable. The viewshed surveys were intended to serve as an early warning system for caribou approaching the WTHR to support mitigation measures during migration. In February 2020, surveys began using the twelve viewshed locations along the WTHR. In 2021, viewshed survey locations were adjusted based on areas with high caribou use and points of high elevation within areas with high caribou use, and an additional survey location was added bringing the total number of survey locations to 13. These 13 locations were surveyed from 2021 to 2024.

Based on an evaluation of available data sources including road survey data, viewshed data, and caribou collar data, it was determined that in most cases mitigation measures are implemented in response to road surveys. Road surveys cover the entire length of the AWAR and WTHR, whereas viewshed surveys occurred only along the WTHR at select locations. Road surveys also occur more frequently than viewshed surveys and were more likely to detect caribou. Following discussion and agreement among TAG members during the fall 2024 workshop (TAG meeting No. 21, Agnico Eagle 2024), the viewshed survey program was discontinued with the intent to continue using road surveys and caribou collar data to implement mitigation measures instead. Historical results from 2020 to 2024 are available in historical Wildlife Monitoring Summary reports (Golder 2021, 2022; WSP 2023a, 2024, 2025a). Viewshed surveys data collected during early 2025 were included in the wildlife observation database (Appendix A).

7.2 Management Recommendations

Following the fall 2024 TAG workshop (Agnico Eagle 2024) and implementation of TEMP V9 in early 2025, the viewshed survey program was discontinued. Going forward, caribou monitoring will continue through other programs, such as the road survey program and the caribou collar program, and mitigation measures will continue to be implemented in accordance with TEMP V9.

8 REMOTE CAMERA PROGRAM

8.1 Overview

The initial remote camera study design (October 2018 to November 2019) was intended to collect general trends on caribou crossing events and traffic or road activities on the WTHR that would be used to inform fine scale traffic mitigation (Appendix A of Golder 2019). An updated study design was implemented in November 2019, to examine the permeability of the WTHR to caribou movement as those interactions relate to the physical parameters of the road (i.e., backfill height, slope, and material grain size; Golder 2019) per Commitment #8 as noted previously. The 2019 to 2024 remote camera data were previously analyzed and presented in past Wildlife Monitoring Summary Reports (Golder 2021, 2022; WSP 2023a, 2024, 2025a). The results of this program did not detect any strong influences related to the physical parameters of the WTHR.

The camera program objectives were revisited during the fall 2024 TAG meeting (TAG #21; Agnico Eagle 2024). A new standard camera protocol was created in collaboration with the TAG (Agnico Eagle 2024), including new camera program objectives and camera coverage on both the WTHR and All-Weather Access Road (AWAR). The new camera study design was presented at the fall 2025 TAG meeting (TAG #24; Agnico Eagle 2025b), and the full camera study design is presented in Appendix F.

Remote cameras were deployed in accordance with the new study design protocols during December 2025. Program objectives and methods are outlined below, and results of the program will be presented in future iterations of the Wildlife Monitoring Summary Report.

8.2 Objectives

The primary objective of this new study design is to quantify daily traffic rates on the AWAR and WTHR, the secondary objective will be to estimate duration of convoys, and the tertiary objective will be to examine caribou crossings in relation to vehicle traffic. The traffic dataset will be produced in a way that is compatible with other temporal datasets, as discussed during TAG meeting #24 (Agnico Eagle 2025b).

8.3 Methods

8.3.1 Camera Deployment and Settings

The program used Reconyx HyperFire 2 Professional Covert IR Camera OD Green cameras. There are four camera monitoring locations along the WTHR (Figure 8-1; Table 8-1) and four along the AWAR (Figure 8-2; Table 8-1) to monitoring traffic on both roads. To meet the primary study design objective, remote cameras are deployed individually rather than in pairs to maximize spatial coverage of traffic using the AWAR and WTHR. The first and last camera on each of the roads were placed near the ends of the road in order to effectively capture traffic traveling along the length of both the AWAR and WTHR. Cameras were deployed at a 45° angle to the roads, within 5m of the road where possible, and are approximately 1.5 m above ground level. This configuration provides a field of view that will capture road traffic and caribou interactions with the WTHR or AWAR. Cameras are programmed to take motion-triggered photos continuously and to take timed interval photos once per day at noon (12:00 p.m.). Maintenance checks will be performed every one to two months throughout the year to remove dust, snow, or ice accumulated on cameras, and back up photographs as required.

Table 8-1: New Remote Camera Locations along the Whale Tail Haul Road and All-Weather Access Road

Road	Camera Label	KM Location Reference
WTHR	CAM 1	176
	CAM 2	162
	CAM 3	132
	CAM 4	112
AWAR	CAM 5	105
	CAM 6	64
	CAM 7	37
	CAM 8	5

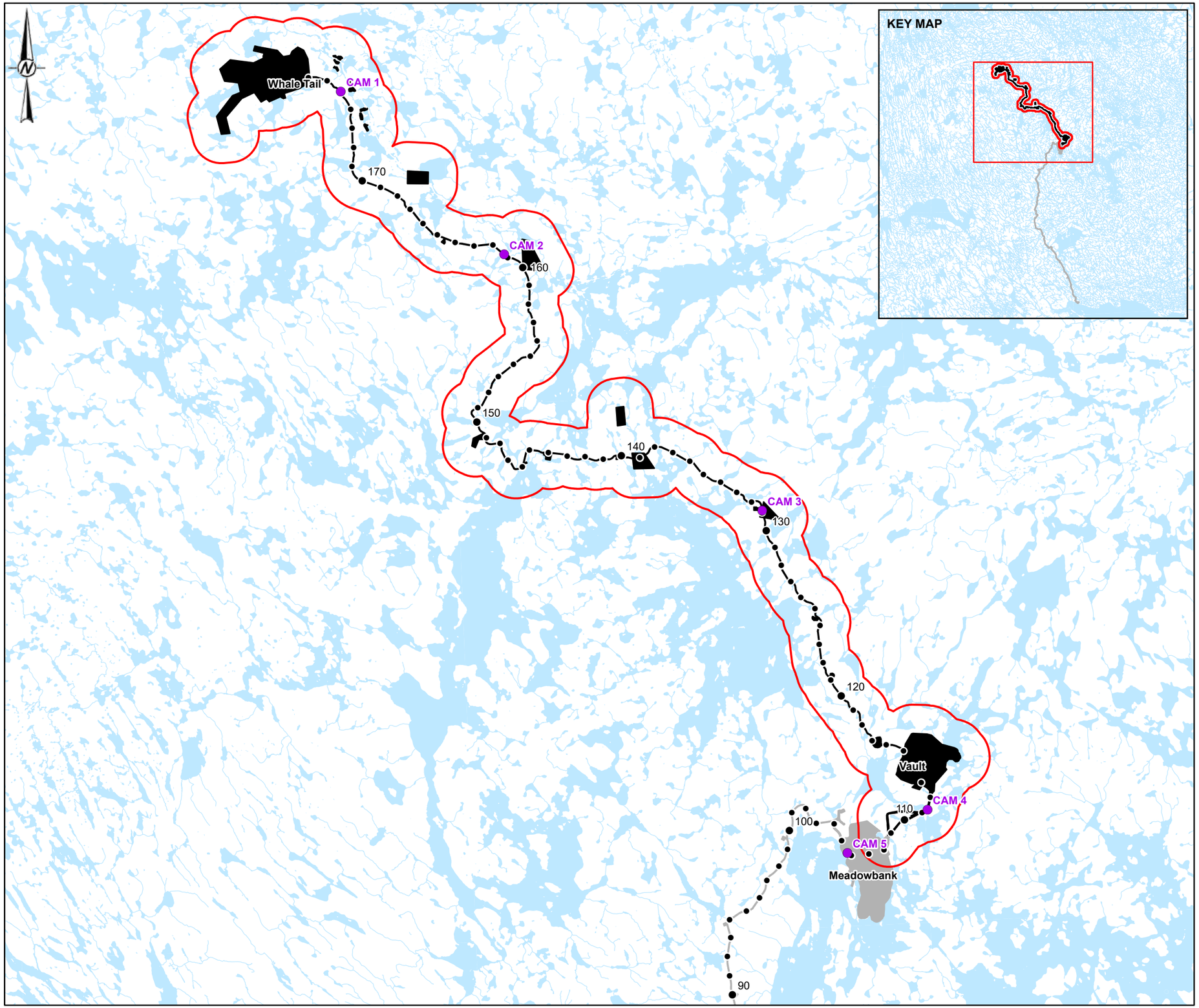
km = kilometre.

8.3.2 Photograph Review

Photographs will be pre-sorted using artificial intelligence (MegaDetector) to distinguish animal, vehicle, and blank images. MegaDetector is a model trained with a large amount of data and is able to detect vehicles and wildlife at various distances within the camera field of view. Bounding boxes with probability, coordinates, and class (animal, truck, or human) will be applied to images. False detections of static objects (i.e., stones) are removed by comparing coordinates of objects between sequential images and allowed 5% deviation in the coordinates. False detections from bad weather or flags in front of camera are removed by checking for large (60% to 80% of FOV) bounding box size on images. Additional false detections from trucks, flags, far away, or the sun are removed through use of a custom Yolo model and comparison of bounding boxes. Any remaining images in the object list also classed as an animal are placed in the results folder for human review and labelling.

After MegaDetector completes classification, further classification of photos will be required to collect information on vehicle type and any wildlife species photographed. Vehicle counts will be summarized based on counts of vehicles recorded by MegaDetector. Agnico Eagle is working on AI options for automatic classification of different vehicle types and convoy information, and progress will be shared with the TAG. The QA/QC process will consist of 1% of photos classed as vehicle being reviewed.

Wildlife counts will be determined during manual classification by counting the number of individuals per detection event. For a particular species event, additional photos will not be counted until an hour had passed or until there is a distinguishable difference between separate individuals triggering the camera. This is intended to avoid double counting the same individuals. All animals present within the field of view within each photo are counted. The QA/QC process will consist of 10% of photos classed as animal being reviewed. During analysis, for each independent event, the highest animal count of all photos within the independent event is used as the animal count.



LEGEND

- REMOTE CAMERA LOCATION
- KILOMETRE MARKER
- WHALE TAIL LSA BOUNDARY (1.5 KM)
- WHALE TAIL MINE LEASE
- MEADOWBANK MINE LEASE
- WATERBODY
- WATERCOURSE

0 4,000 8,000

1:200,000 METRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

NEW REMOTE CAMERA LOCATIONS ALONG THE WHALE TAIL HAUL ROAD

CONSULTANT

wsp

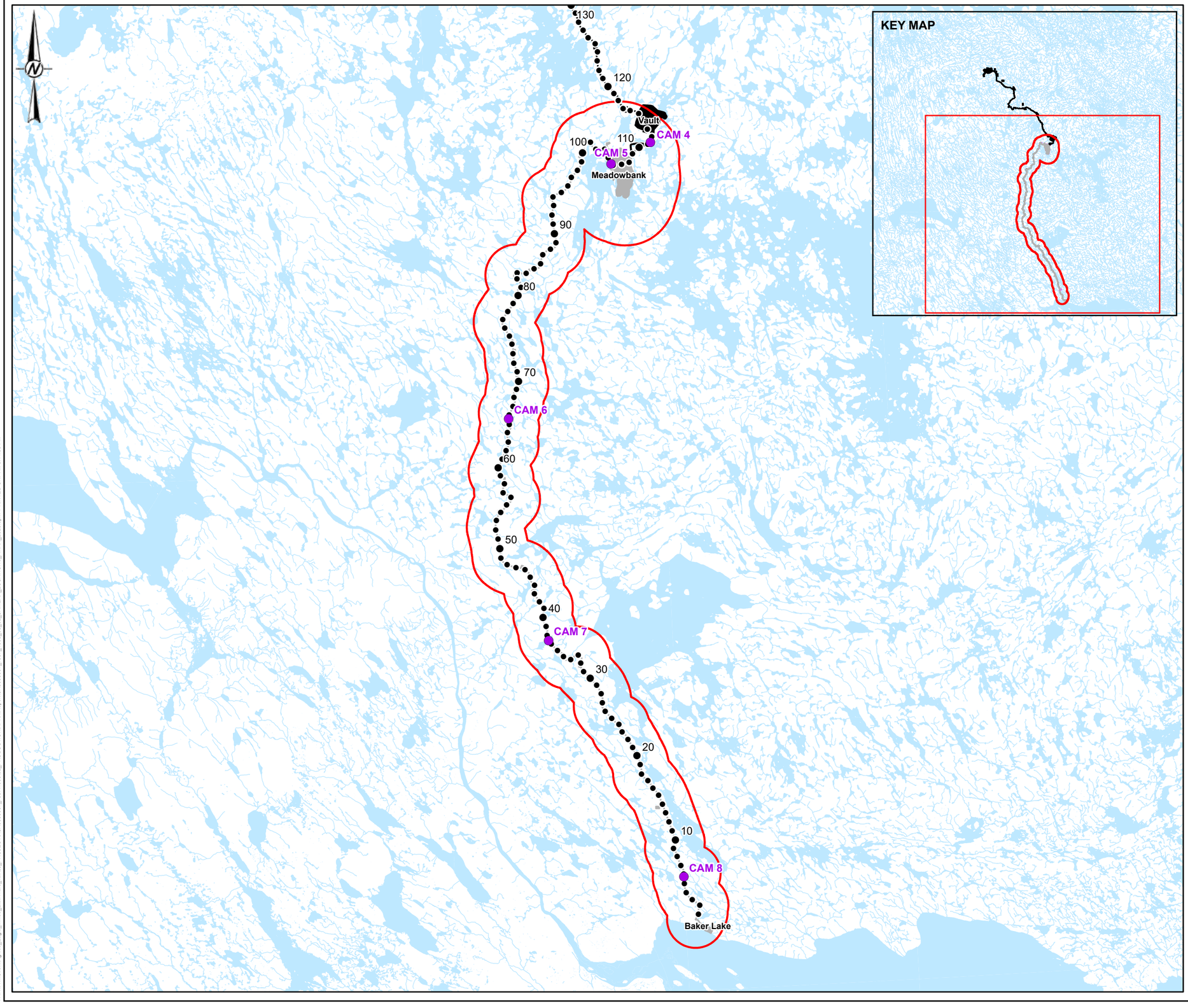
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REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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KEY MAP

LEGEND

- REMOTE CAMERA LOCATION
- KILOMETRE MARKER
- MEADOWBANK (5 KM) & AWAR (3 KM) LSA BOUNDARY
- WHALE TAIL MINE LEASE
- MEADOWBANK MINE LEASE
- WATERBODY
- WATERCOURSE

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REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.

COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

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AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

NEW REMOTE CAMERA LOCATIONS ALONG THE ALL-WEATHER ACCESS ROAD

CONSULTANT

wsp

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PREPARED	CDB
REVIEWED	JF
APPROVED	DC

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8.3.3 Data Analysis and Reporting

The traffic dataset will be prepared in a way that is compatible with other temporal datasets as discussed during TAG meeting #24 (Agnico Eagle 2025b). Specifically, vehicle detection events will include time stamp information in addition to vehicle counts per event, which can then be linked to the spatial or temporal attributes of wildlife events. For reporting purposes, vehicle detections will be summarized across detection events per day so that daily vehicle rates are available at each location for each camera active day. Vehicle detection rates will also be summarized by month to facilitate comparisons with species detection rates. The number of active months for each camera will be calculated as follows:

*number of months = (number of active days/365 days) * 12 months*

Species detections are defined as the number of individual observations for a given species or group. A photo rate will be calculated for each species recorded and will be used as a metric for species relative abundance. A photo rate will be determined for each species photographed. The photo rate is the number of detections of a given species divided by the camera station sampling effort in months.

Analyses will primarily focus on quantifying and visualizing vehicle detection rates on both the AWAR and WTHR throughout the year, including comparisons of traffic rates during periods of closure. For the second objective, methods will be evaluated for quantifying convoy duration using the AI processed photos. A subset of convoys will be selected from the convoy log and found within the photo dataset at start and end cameras. Once the convoy photos are identified, start and end times will be used to estimate convoy duration. Lastly, caribou road interactions will be quantified to investigate caribou road interactions by season and in relation to daily traffic rates. Because cameras are only triggered within 30 m, data analyses and conclusions that can be drawn from these data may be limited because caribou photos recorded by previous programs have been infrequent.

Results of the remote camera monitoring program will be reported as part of the annual Wildlife Monitoring Summary Report to the Nunavut Impact Review Board (NIRB), in compliance with Project Certificate No.008 Terms and Conditions and its respective amendments.

8.4 Management Recommendations

Remote cameras were deployed in accordance with the new study design protocol during December 2025. Agnico Eagle is working on AI options for automatic classification of different vehicle types and convoy information, and progress will be shared with the TAG. Results of the program will be presented in future iterations of the Wildlife Monitoring Summary Report.

9 BLAST MONITORING

9.1 Overview

The purpose of the blast monitoring program at the Whale Tail Mine is to understand how blasting vibration relates to caribou behaviour. The program involves monitoring caribou behaviour before, during, and after a blast, as well as establishing relationships between vibration and overpressure levels and blasting parameters (e.g., charge mass, charge depth), environmental conditions (e.g., seasonal variation), and propagation distances.

Blasting is delayed when caribou or other wildlife are observed within the blast danger zone (typically 600 m from the blast centre). According to the TEMP, blasting is also delayed when caribou Level 3 mitigation is triggered, when caribou seasonal GST is observed within 3 km during the sensitive season, or within 5 km during the calving period (Agnico Eagle 2025a). The Environment Department performs monitoring prior to each blast to ensure no caribou groups exceeding GST are present within these setback distances.

9.2 Objectives

The purpose of the blast monitoring program is to determine if blasts conducted at the Whale Tail Mine influence caribou behaviour. This is done by using behaviour as a proxy of blast disturbance, determining if blasts exceed vibration annoyance or damage thresholds, and testing any potential relationship between blasting (i.e., vibration and overpressure) and behaviour.

9.3 Duration

Caribou behavioural responses to blasting events was assessed in in 2021, 2022, 2024, and 2025. These data were used to determine site-specific relationships between blasting and behaviour. Caribou behaviour monitoring will continue opportunistically until a sufficient sample size of caribou behaviour at different distances from blasting is collected and assessed.

9.4 Methods

9.4.1 Vibration and Overpressure Model

The blast monitoring program focuses on the following parameters to estimate impacts of blasting on caribou:

- Peak Particle Velocity (PPV), which characterizes ground vibration (i.e., physical shaking of the ground as a result of an explosive blast). PPV values were measured in millimetres per second (mm/s).
- Peak Pressure Level (PPL), which characterizes airblast overpressure (i.e., movement of air as a result of an explosive blast). PPL values were measured in linear decibels (dBL).

There are few if any guidelines intended to address sensory disturbance to wildlife from explosive blasting. In the absence of wildlife-specific threshold or limits, guidelines for damage and human annoyance due to blasting were used as a starting point for assessment of potential impacts to caribou. The caribou hearing threshold for low frequency noise is higher than humans, meaning that humans may be able to a detect blasting related PPL at greater distances than caribou (Agnico Eagle 2025a). According to IQ, caribou may be able to detect blasting vibrations at greater distances than humans.

Most guideline limits on PPV and PPL from blasting are intended to protect against minor cosmetic damage to buildings and other structures. For example, the Environment and Climate Change Canada (ECCC) *Environmental Code of Practice for Metal Mines* (Environment Canada 2009) recommends that PPV be limited to 12.5 mm/s and PPL be limited to 128 dBL at nearby receptors. Another document commonly referenced in blasting assessments is the Australian and New Zealand Environment Council (ANZEC) *Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration* (ANZEC 1990). To protect against human annoyance, the ANZEC document recommends that PPV be limited to 5 mm/s and PPL be limited to 115 dBL at nearby receptors.

Models to describe the site-specific relationship between vibration and overpressure from explosive blasting were developed using blast monitoring data collected in 2020 and 2021. Explanation on calculation of the site-specific relationships between overpressure and vibration and blasting parameters are presented in Golder (2022) and WSP (2023b). These models can be used to estimate propagation distance of PPL and PPV based on blast charge and depth (i.e., shallow vs. deep) by season. Blast charge mass and depth from blasts in 2021, 2022, 2024, and 2025 were input into the models to estimate PPV and PPL experienced by caribou groups in which behaviour monitoring data were available. The PPV values for 2025 were derived from WSP (2023b) with a maximum estimated blast charge mass (i.e., charge mass per delay) of 1,090 kg.

9.4.2 Caribou Behaviour Monitoring

Caribou behaviour monitoring in conjunction with blast events was conducted in 2021, 2022, 2024, and 2025 followed the general approach outlined in Section 17.2. Surveys were opportunistic in nature and required groups of caribou to be present during blast events. The overall method was to identify caribou groups in proximity to blasting locations prior to blast events and record behaviours of individuals every three minutes for 30 minutes before blasting and a 30-minute period beginning at the blast. The behaviour categories were feeding, lying down, standing, alert, walking, and trotting or running. In the case that a different form of disturbance event occurred during the survey, such as a vehicle driving on the road, the time and type of disturbance was recorded. Videos were recorded during blast events, when possible, to document changes in caribou behaviour.

Due to challenges locating caribou groups that could be monitored near blasts for long enough periods, not all surveys had data collected before, during, and after blasts. Behaviour surveys were time corrected to align before, during and after blasts with blast timing. For example, if a blast was performed three minutes into a 30-minute survey, the three-minute interval would be corrected to zero minutes (i.e., during blast), and subsequent minutes would be reclassified as after the blast. Therefore, full thirty-minute monitoring periods were not available on all survey days where behaviour monitoring was performed. Proportions of the caribou groups performing different behaviours were summarized by the three-minute periods before, during and after blasts. Three-minute intervals alone may not represent the entire caribou response to blasting; however, this interval was chosen to increase the available data and standardize comparisons across days.

9.4.3 Caribou Behaviour and Blasting Parameters

In 2021, 2022, 2024, and 2025 the days where blasting events could be tied to caribou behaviour monitoring surveys, the average proportion of caribou response behaviours (defined as alert, walking and trotting or running) following blasts were correlated with modelled PPL and PPV levels. Due to challenges with aligning behaviour surveys with blasts, average proportion of response behaviours in an interval of six minutes following blasts were used in Spearman correlations with PPL and PPV. If two blasts were performed on the same day, the combined blast charge of both blasts and minimum distance from caribou group monitored was used in calculation of modelled PPL and PPV.

9.5 Results

9.5.1 Blast Monitoring

Blasting measurements were collected using four Instantel Minimate units in 2019 (Golder 2020a). Only two of the four Minimate units were outfitted with linear microphones per available equipment, therefore PPL could only be measured at two locations (R1 and R2). Recommendations from the 2019 program included procurement of linear microphones to allow collection of PPL at all four locations, use of external power sources that would allow for deployments to log data from multiple blasts, and enclosing units in rugged outdoor cases that would protect them from the elements. Future PPL measurements at more distant locations were recommended to characterize the maximum distance to which PPL-related annoyance impacts may extend.

Since 2019, blast monitoring has continued following these recommendations, although monitoring during 2020 was limited due to COVID-19 (Golder 2021). Consistent monitoring has demonstrated that few blasts have exceeded Environment Canada's (2009) 12.5 mm/s PPV damage threshold. When two blasts exceeded this threshold in 2020, it occurred at the measurement location closest to the Whale Tail Mine. This suggests that ground vibration from blasting may result in annoyance impacts at receptors close to the blast site. Historically, blasts have often resulted in PPL values below the 128 dBL damage threshold (Environment Canada 2009). However, the 115 dBL annoyance threshold (ANZEC 1990) has occasionally been exceeded at distances close to the Whale Tail Mine (e.g., 193 m and 569 m in 2020). This suggests that airblast overpressure from blasting may result in annoyance impacts at receptors in close proximity to the blast site. These monitoring locations (193 m and 569 m from pit edge) are closer to the blast site than the 3 km caribou distance threshold.

In 2025, 25 blast measures exceeded the PPV annoyance threshold of 5 mm/s (ANZEC 1990); no blast measures exceeded 12.5 mm/s threshold (Environment Canada 2009).

9.5.2 Caribou Behaviour Monitoring

9.5.2.1 Historical Results

Caribou behaviour blast monitoring occurred in 2021, 2022, and 2024. During 2023, no caribou groups were observed during blast events due to blast cancellations or postponements, so behaviour data were not collected during blast events in 2023. Data from caribou behaviour monitoring was sufficient to link behaviour to blasting events on 25 occurrences during 2021 (11 occurrences), 2022 (14 occurrences) and 2024 (3 occurrences). Across these three years, 1 event occurred in winter, 12 in summer, 12 in spring, and 3 in fall.

During these years, caribou responses to blasting events were varied, and changes in alert behaviours often coincided with additional vehicle disturbances. On 6 May 2021, when two blasts were performed at the same time, walking and alert behaviours increased following blasts. However, several vehicle disturbances were also recorded that appeared to elicit changes in caribou behaviour on this day. On 19 August 2021, alert behaviours were observed in the three-minute period immediately following the blast.

In 2022 an increase in alert and walking behaviours were observed following the blasts on 11 April, 15 April, 16 April, 24 April, and 30 April (Figure 9-1). On 15 April 2022, caribou walked towards the Mine following blasting. Walking behaviours also increased following the blast on 26 August 2022, however the increase was more delayed and mixed with an increase in lying behaviour. Caribou behaviour following the other blasts remained similar to their behaviour in the time prior to the blast, consisting primarily of lying, feeding and standing behaviours (Figure 9-1). Other forms of disturbance (e.g., vehicle traffic) occurred on five days where behaviour monitoring occurred (Figure 9-1). Vehicle traffic was recorded during behaviour monitoring on 11 April, 15 April, 7 May, 26 August 2022. Helicopter flights were recorded on 14 June and 26 June 2022.

Of the three analyzed blast monitoring events in 2024, there were additional vehicle disturbances (i.e., multiple stressors) during two of these events. On July 5th, six vehicle disturbances occurred between 5- and 10-minutes post-blast. On July 8th, there was a heavy equipment disturbance approximately 15 minutes pre-blast. Despite the co-occurrence of blasting and vehicle disturbances, no notable changes in behaviour occurred during behaviour monitoring in 2024 (Figure 9-1). Instead, post-blast behaviour consisted primarily of feeding and lying down (Figure 9-1).

9.5.2.2 2025 Results

In 2025, pre-blast surveys for caribou and other wildlife were conducted on 223 occasions over 210 days between January 1st and December 31st (Table 9-1). Caribou were observed on 42 occasions and muskox were observed on 15 occasions during pre-blast surveys. There were 11 occurrences where wildlife exceeded GST during pre-blast surveys in 2025. Caribou exceeded GST six times during pre-blast surveys and the blast was cancelled. Muskox groups exceeded GST five times but the groups were further than 1 km away so no blasts were cancelled, in accordance with the TEMP (Agnico Eagle 2025a).

Table 9-1: Number of Pre-Blast Surveys per Month, 2025

Month	Number of Pre-Blast Surveys
January	15
February	20
March	20
April	15
May	22
June	21
July	18
August	16
September	17
October	19
November	20
December	20
Total	**223**

In 2025 one blast monitoring event occurred on 3 March in which two caribou were monitored at a distance of 1,500 m from the blast. Three minutes after the blast both caribou altered their behaviour from feeding to standing and after 6 minutes they changed their behaviour to walking (Figure 9-2). Nine minutes after the blast the caribou were observed standing.

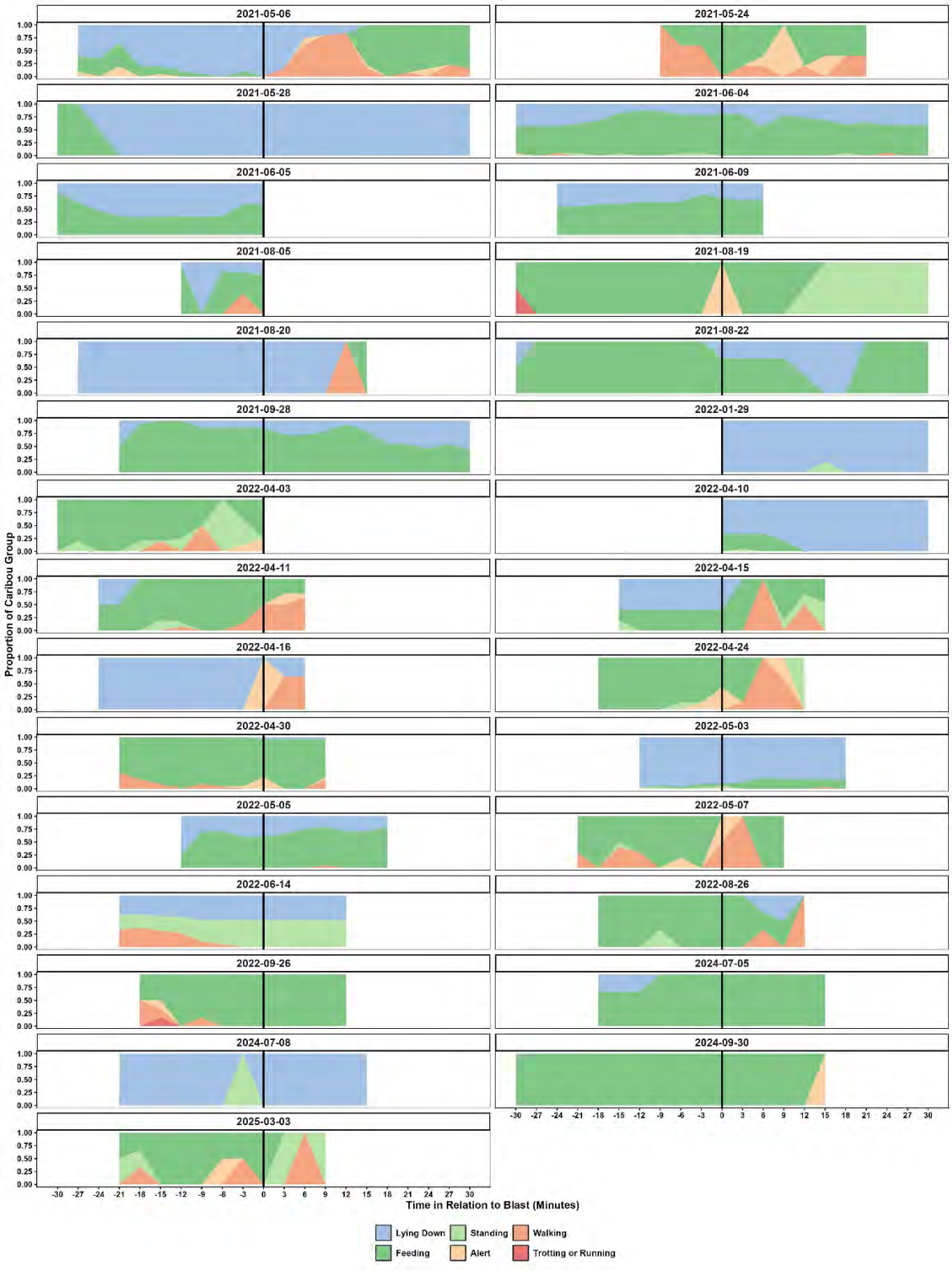


Figure 9-1: Caribou Behavioural Response Following Blasting Events Across all Four Monitoring Years

9.5.2.3 *Behaviour Across Years*

Across all years, there were 29 occurrences in which caribou behaviour could be linked to blasting events. Caribou behaviour in the three minutes before, the three minutes during and the three minutes following a blast is shown in Figure 9-2. Across all years, on average, feeding and lying behaviours were the primary behaviours observed in each interval. An increase in alert behaviour was observed in the three-minute interval during a blast, which may correspond to the decrease in feeding behaviours during. Walking behaviours showed an increasing trend following a blast, while lying and standing behaviours did not differ much between intervals.

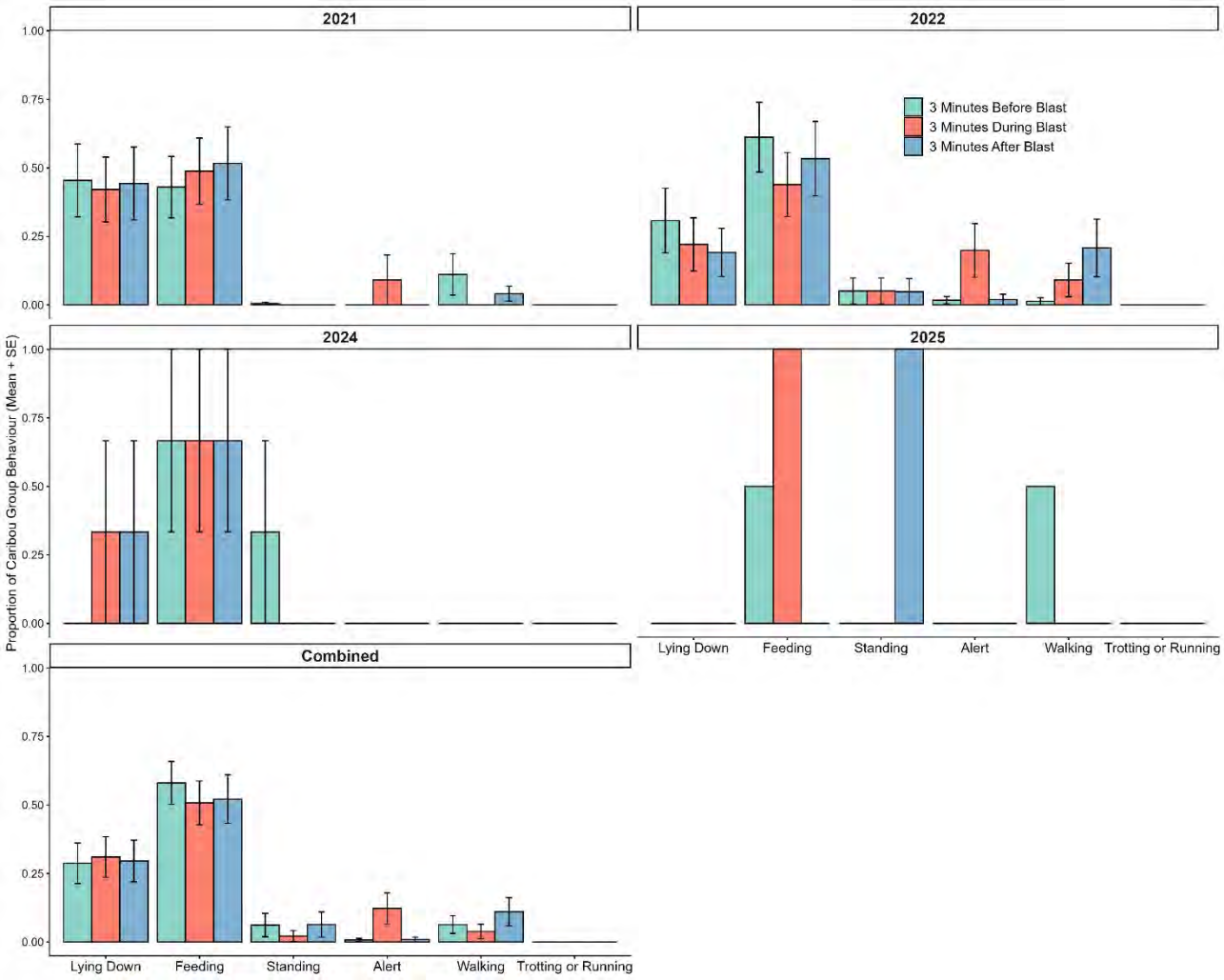


Figure 9-2: Caribou Behaviour Before, During, and After Blasting for Each Year and for all Years Combined

9.5.3 Vibration and Overpressure Model and Behaviour

The model for PPV using the largest blast charge measured in 2021 found that PPV curve fell below the ECCC threshold approximately 350 m from the blast site and fell below the ANZECC threshold approximately 900 m from the blast site. This suggests that human receptors located more than 900 m from the Whale Tail Mine are unlikely to be annoyed by ground vibration from even the largest blasts. The model for PPL using the largest blast charge measured in 2021 found that the PPL curve fell below the ECCC threshold approximately 125 m from the blast site and fell below the ANZECC threshold approximately 1,900 m from the blast site. This suggests that human receptors located more than 1,900 m from the Whale Tail Mine are unlikely to be annoyed by airblast overpressure from even the largest blasts.

Modelling for PPV and PPL were updated in 2025 to include the blast on 3 March. There were 22 total surveys across the four years with monitoring data where behaviour monitoring was conducted for at least six minutes following blasting, and the locations of caribou could be linked with blasting data and modelled PPL and PPV values (Table 9-2).

All modelled values were below the PPV annoyance threshold of 5 mm/s. All modelled values for PPL were below the annoyance threshold of 115 dBL except for 30 April 2022, 05 May 2022, and the three dates in 2024. The one modelled value for PPL in 2025 was 112 dBL. Two blasts were conducted on five days used in the analysis, and three blasts were conducted on one day (Figure 9-1). Response behaviours were observed on half of the days following blasting. The average proportion of the caribou group performing response behaviours in six minutes following each blast based on 22 behaviour monitoring sessions, and modelled PPV (Spearman's rho = -0.12, p-value = 0.58) and PPL (Spearman's rho = -0.29, p-value = 0.20) did not appear to be correlated (Figure 9-1). A logistic regression was also used to test for a relationship between PPV and PPL and the tendency to perform any response behaviours (i.e., values greater than zero coded as 1). This model found no significant effect of either PPV (Odds Ratio = 1.14, 95% CI[0.70, 2.17], p-value = 0.60) or PPL (Odds Ratio = 0.80, 95% CI[0.51, 1.16], p-value = 0.27) on response behaviours occurring.

Table 9-2: Caribou Behaviour Monitoring and Blast Data, 2021, 2022, 2024, and 2025

Blast Date	Blast Number	Quantity Explosive (kg)	Distance Between Caribou Group and Blast (m)	Proportion of Caribou Performing Response Behaviours	Predicted PPV (mm/s)	Predicted PPL (dBL)
2021-05-06	5067SUK01, 5074MSK12	55,887	2,873	0.31	0.940	111.3
2021-05-28	5095MSL75	57,553	1,404	0.00	1.87	114.6
2021-06-04	5074MSK24	69,245	1,647	0.00	1.79	114.3
2021-08-19	5046PSK71	1,164.6	1,895	0.33	0.22	107.3
2021-08-22	5046PSK21, 5046PSK13	2,336	832	0.00	0.68	112.2
2021-09-28	5046PSK31, 5060MSK22	4,137	1,579	0.00	0.21	106.1
2022-01-29	5144MSM92, 5130PSM40	41,092	1,769	0.00	1.31	113.2
2022-04-10	5130MSM16	90,093	3,750	0.00	0.91	110.7
2022-04-11	5137MSR07	37,295	2,500	0.64	0.86	111.2
2022-04-15	5081MSL67	74,194	1,466	0.33	2.11	115
2022-04-16	5130PSR27, 5151MSV15	11,420	2,014	0.76	0.60	110.4
2022-04-24	5144RAV02	19,454	1,745	0.52	0.92	112.0
2022-04-30	5130MSM11	178,570	1,503	0.08	3.02	116.0
2022-05-03	5151PPR99, 5144RAR04	12,769	1,993	0.01	0.67	110.8
2022-05-05	5046MSK05	42,189	1,107	0.00	2.03	115.2
2022-06-14	5039MSK25	17,187	1,762	0.00	0.86	111.8
2022-08-26	5130RAV02	28,148	1,688	0.11	1.16	112.8
2022-09-26	5053SUI01	4,100	1,559	0.00	0.49	110.1
2024-07-05	5032MSM22 5032MSM56 5032PPM99	118,286	1,000	0.00	4.08	115.8
2024-07-08	5130MSA04	56,367	645	0.00	6.00	117
2024-09-30	5130MSA18	20,313	800	0.00	4.97	116.4
2025-03-03	5135QYY15	17,468	1,500	0.33	9.65	112.2

Note: 2025 Charge mass per delay values for PPV calculations are from WSP 2023b.

9.6 Management Recommendations

Caribou behaviour responses in relation to blasting metrics for were recorded in 2021, 2022, 2024, and 2025. Caribou behaviour was quantified before, during and after blasting and average response behaviours six minutes following blasting was assessed in relation to PPV and PPL values. Across all four monitoring years, analyses indicated limited behavioural responses to blasting, and no statistically significant relationships were identified between post-blast response behaviours and modelled PPV and PPL values.

In 2025, one blast monitoring event could be linked to caribou behaviour monitoring. Two caribou were observed at a distance of approximately 1,500 m from the blast, and a short-term change in behaviour (from feeding to standing and walking) was observed within six minutes following the blast. Modelled PPL and PPV values associated with this event were below applicable annoyance and damage thresholds, and the observed behavioural response was brief, with caribou returning to standing behaviour within nine minutes post-blast. While this result is consistent with observations of limited behavioural change from previous monitoring years, the limited number of behaviour-linked blast events in 2025 restricts inference that can be drawn from this year alone.

The collection of usable caribou behaviour data in association with blasting remains challenging due to the need to align blasting schedules, caribou presence, visibility, and sufficient monitoring duration. In 2025 a total of 223 pre-blast wildlife surveys were conducted over 210 days but only one blast event resulted in behavioural monitoring. In 2024 behavioural data could only be collected for 3 blast events and in 2023 no viable data could be collected. This shows that caribou are rarely present to be exposed when blasting events occur.

Given these challenges, it may be necessary to continue data collection over an extended period of time. Alternatively, considering the lack of caribou in the blast vicinities and the lack of behavioural responses to blasting, the data presented herein might be considered sufficient evidence of the low frequency of blasting events affecting caribou. The results to date support that distance thresholds for suspending blasting can be reduced to less than current 3 km threshold as no strong adverse responses have been observed at distances less than 3 km. Discussions will continue with the TAG to review mitigation measures, including blast thresholds.

10 HUNTER HARVEST STUDY

10.1 Overview

As outlined in the original TEMP (Cumberland 2006) and the March 2025 version 9 (Agnico Eagle 2025a), and as a requirement of NIRB Project Certificate No. 004 Terms and Conditions 51 and 54, the Baker Lake Hunter Harvest Study (HHS) was initiated in March 2007 by Agnico Eagle. The HHS was conducted in association with the HTO to monitor and document the spatial distribution, seasonal patterns, and harvest rates of hunter kills and angler catches within the RSA.

After low participation during the first year of the study, methods were strategically adapted, participation increased steadily, and valuable information on harvest patterns in the Baker Lake area was collected. The HHS, through regular visits, contributed to developing a strong relationship with local harvesters, the HTO, and the GN.

The HHS was suspended for three years (2016 to 2018) to develop new approaches and direction. Following consultation with the HTO, KivIA, GN, and other agencies in November 2016 (Winnipeg) and June 2017 (Ottawa), Agnico Eagle reinitiated the HHS in March 2019, which for the first time also encompassed the Whale Tail RSA as part of the Meadowbank Complex. The study approach was similar to previous years, but suggestions and guidance received during the consultation period were incorporated into the study. The revised study was conducted from 2020 to 2025.

The full 2025 HHS report is provided in Appendix G.

10.2 Objectives

The primary objectives of the HHS are to monitor potential Project-related effects on harvesting of wildlife by residents of Baker Lake. This objective is achieved by estimating the following key metrics:

1) The distribution of caribou, muskox, and wolverine harvest by residents of Baker Lake.

2) The total level (or an index of) caribou, muskox, and wolverine harvest by residents of Baker Lake.

Other objectives of the HHS, established in consultation with the TAG, or other participants include:

1) Supporting creel surveys by gathering information on Arctic char (*Salvelinus alpinus*), lake trout (*Salvelinus namaycush*), lake whitefish (*Coregonus clupeaformis*), and Arctic grayling (*Thymallus arcticus*) catch rates and Inuit-use patterns in the Baker Lake area.

2) Understanding regional distribution of hunting and fishing activity.

3) Investigating seasonal timing of hunting and fishing activity.

4) Determining whether increased harvest and catch rates are associated with the AWAR and WTHR.

As discussed during consultation with stakeholders, the HHS will further seek to: a) increase and maintain the hunter participant rate in the future of the program; b) improve resource protection; c) improve hunter awareness and education; d) increase the integration of IQ and Traditional Knowledge; e) increase availability of data to support a collective approach to understanding wildlife harvest; and f) assist Agnico Eagle in mitigative actions and the GN in management decisions.

10.3 Methods

The wildlife species that are the focus of the HHS are caribou, muskox and wolverine; however, harvest data on other species, such as grizzly bear, wolf, Arctic fox, geese, and other birds are also collected. The few species in the study were deliberately chosen to make data entry and collection as simple as possible. To support creel surveys, data on fish harvest (i.e., Arctic char, lake trout, lake whitefish, and Arctic grayling) are also collected.

Inuit and non-Inuit residents, at least 16 years of age, are eligible to participate in the harvest survey. Harvest calendars are provided on a household basis, rather than an individual basis, to simplify data entry and collection, and reflect household hunting patterns. The harvest calendar is attractive and consists of local photographs of wildlife and Baker Lake residents. See 2025 calendar in Appendix A of the HHS (Appendix G). Space is provided for each calendar day where harvest details can be documented. A map is provided at the end of the calendar that delineates a 4 km^2 UTM grid within the Baker Lake and Meadowbank Complex areas. Each grid has a unique code to facilitate recording of information. When calendars are issued, participants or participating households are encouraged to write harvest details (e.g., number of animals, sex, age, and location [i.e., grid code]) for the appropriate date on the calendar.

Participants were interviewed in person three times during the year (i.e., June 2025, November 2025, and January 2026) by the harvest study coordinator. During the January 2026 interviews, remaining data from 2025 were collected. The purpose of the interviews is to ensure all harvest data are recorded on the calendars and to collect incidental information to compliment calendar data, including notable caribou movements, aggregations, and unique observations. Between interview periods, participants were often contacted by phone or social media to encourage recording of harvest data.

Features of the 2025 HHS included: 1) building long-term relationships between participants and researchers; 2) increasing engagement with participants on social media platforms such as Facebook and Instagram; 3) continuing incentives for participating in the study (e.g., gas vouchers and prizes); and 4) special prizes for three participants that have achieved more than 10 years of participation in the study.

10.4 Results

Results of the 2025 HHS are summarized below. Additional information such as distribution maps and data comparisons across all years of the HHS are presented in Appendix G.

Hunter Harvest Study Results

- The HHS included 92 interested participants by the end of 2025, which is higher than the interested participants in 2024, 2023, and 2022 (i.e., 88, 74, and 65 respectively).
- Given the historical and current number of hunters in Baker Lake, an estimate of 300 to 350 active hunters was used in the 2025 analysis.
- Of the 2025 participants, caribou harvest data was collected from 55 participants, which represents approximately 16% to 18% of total hunters in the community.
- The distribution of hunting is highly concentrated along the AWAR to part way up the WTHR, around Tehek Lake, in the vicinity of Schulz and Aberdeen lakes, and on the north shore of Baker Lake.
- The 2025 HHS data indicated that 34% of reported harvest occurred within 5 km of the AWAR, and 56% occurred within the Meadowbank RSA. Threshold levels of 20% set for monitoring the effects of the Meadowbank Mine development on the distribution of caribou harvest within the RSA were not exceeded.

- In 2025, 38 caribou were harvested within 5 km of the WTHR, which compares to no Caribou in 2024, one (1) Caribou harvest in 2023, and no Caribou in 2022. Study participants indicated that there were “thousands” of Caribou along the AWAR and WTHR in late 2025 going into 2026, which was not the case in previous years.
- Within the Whale Tail RSA (note – overlaps with the Meadowbank RSA), a total of 156 harvests were reported in 2025 which is considerably higher than the 33 harvests reported in 2024 and higher than 2011, when 103 Caribou harvests were reported.
- In 2025, a total of 782 caribou were reported as being harvested by 55 participants in the Baker Lake HHS, which includes harvests in the Meadowbank and Whale Tail study areas.
- Given that the 55 hunters represent an estimated 16% to 18% of the Baker Lake hunting community, the total estimated number of caribou harvested in 2025 in the Baker Lake community ranged from 4,344 to 4,888 animals.
- Based on the NWMB (2004) and inclusive Baker Lake HHS results (2007 to 2015; 2019 to 2025), highest caribou harvests have occurred between August and December, followed by a smaller peak between March and May.
- The similar pattern between the studies indicates that seasonal hunting preferences have not changed markedly in the last decade.
- Other harvested mammals included 4 muskox, 34 Arctic fox, 87 Arctic wolves, 3 ermine, and 24 wolverines. There were no American marten, Arctic ground squirrel, Arctic hare, grizzly bear, moose, or red fox reported as harvested in 2025. Several bird species were harvested in 2025 with the most common species being willow ptarmigan (*Lagopus lagopus*).
- For the fourth year in the HHS, marine mammals (1 harbour seal [*Phoca vitulina*] and 3 ringed seal [*Pusa hispida*]) were reported as being harvested by Baker Lake hunters, but all were harvested outside the HHS boundaries.

Creel Survey Results

- The number of fishermen reporting successful fishing trips in 2025 was 38, which is higher than the average of 25 fisherman from 2007 to 2015 and 2019 to 2024 (15 years). The highest numbers of fisherman reporting success in 2025 were in May and June, which is consistent with seasonal fishing patterns in other years.
- Fishing trips, regardless of success rate, did not generally occur beyond the immediate areas of Baker Lake, Whitehills Lake, and along the lower AWAR. The average number of fish harvested per fisherman in each month was highest in July and November with lower averages in the other spring and summer months.
- Lake trout, Lake Whitefish and Arctic char were the most common species caught by fisherman.

10.5 Accuracy of Impact Predictions

A summary of the impact predictions identified in the TEMP Version 9 (Agnico Eagle 2025a) that are evaluated by the HHS is presented in Table 10-1. During 2025, harvest rates were higher within 5 km of the WTHR compared to previous years, and hunters noted “thousands” of animals near the AWAR and WTHR during late 2025. This observation could indicate that caribou distribution may have been more concentrated in the RSA compared to some previous years, however, the distribution of animals harvested in the RSA was lower compared to baseline Table 10-1. Additional study years are needed to determine if the 2025 caribou harvest is part of an increasing trend or an outlier.

Table 10-1: Accuracy of Impact Predictions–- Baker Lake Hunter Harvest Study

Potential Effect	Threshold	Threshold Exceeded (2025)	Adaptive Management Implemented	Status
AWAR				
Hunting by Baker Lake Residents	The AWAR will not result in significant changes in the spatial distribution, seasonal pattern, or harvest levels of caribou by Baker Lake hunters. Changes will not exceed 20% of historical harvest activities within the RSA	NO (56% of harvest in RSA in 2025 compared to 67% baseline; average of 80% of harvest within RSA since 2007)	Discussion with HTO and GN representatives required to identify management options	Hunter Harvest Study (including the Creel Survey)
WTHR				
Hunting by Baker Lake Residents	No change in harvest	UNCERTAIN (38 Caribou harvests recorded within 5 km of the WTHR; 156 Caribou harvests reported within RSA; high numbers of Caribou reported by study participants; additional year or two of study required to determine whether increased hunting trend continues)	Public access is not permitted along the WTHR	Hunter Harvest Study Satellite-Collaring Program

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road, RSA = Regional Study Area, HTO = Hunters and Trappers Organization, GN = Government of Nunavut.

10.6 Management Recommendations

The Baker Lake HHS and Creel Survey should be continued to monitor the hunting and fishing patterns of Baker Lake residents, and the potential effects of the Meadowbank Complex. Meetings with participants every four months (three times/year) in 2026 should continue as these are important in maintaining contact, building relationships, expanding the study, and collecting good harvest data. Participation rates can be maintained by continuing to use social media platforms such as Facebook and Instagram, expanding connections on these platforms, ensuring that all participants are visited during the three scheduled field visits, and continuing with distribution of the well-received year-end prizes while in the community. In addition, an effort should be made to continue recruiting new, and particularly young, hunters for the HHS.

11 INTEGRATED CARIBOU MONITORING RESULTS

Various caribou monitoring programs have been developed (Section 2 to Section 10) to understand and manage Mine-related effects on caribou. This section summarizes caribou monitoring data collected in 2025 and lists potential Mine-related effects.

11.1 Integrated Results

Table 11-1 summarizes results from each of the eight programs that monitored caribou activity and responses to Mine-related activity in 2025, while Table 11-2 summarizes potential Mine-related effects on caribou in 2025.

Table 11-1: Summary of Caribou Monitoring Activities and Management Responses in 2025

Monitoring Program	Summary of 2025 Monitoring Results	Summary of 2025 Management Responses
Caribou Management Decision Tree (Section 2)	Decision tree used when caribou were close to Project facilities as outlined in the TEMP version 9 (Agnico Eagle 2025a).	Decision tree process uses data from the road, Mine site, and satellite collaring to determine the scale of caribou monitoring and management required.
Road Surveys (Section 3)	A total of 216 surveys completed on the AWAR, and 224 on the WTHR. The highest caribou numbers observed along the AWAR were in November. The highest caribou numbers were observed along the WTHR in May.	The AWAR was fully closed (24-hour closure) on 56 days, closed for less than 24 hours on 74 days, and had speed restrictions applied for 41 days. In total the AWAR was closed for 2,156 hours. The WTHR was fully closed (24-hour closure) on 43 days, partially closed (less than 24-hour closure) on 64 days and had speed restrictions applied for 20 days. The WTHR was closed for 1,660 hours during 2025 (Appendix B).
Pits and Mine Site Ground Surveys (Section 4)	Mine site surveys conducted on a weekly basis at minimum, and incidental observations recorded. Mine and pit surveys occurred 155 times at Meadowbank and 118 times at Whale Tail during 2025. Caribou sightings at Meadowbank were highest in April and muskox sightings were highest in November and December. At the Whale Tail, caribou observations were highest in April and May and muskox sightings were highest in August.	Deterrent actions were implemented to keep wildlife, including caribou safe from site hazards. Road crossing data thoroughly collected throughout the year to support mitigation decisions. There were no observations from Mine and Pit surveys that resulted in mitigation (Appendix A).
Wildlife Habitat Monitoring (Section 5)	There was 0.2 ha (<1%) disturbance footprint increase at Meadowbank between the comprehensive assessment in 2024 and 2025. There was a 9.4 ha (1%) disturbance footprint increase at the Whale Tail Mine and Whale Tail Haul Road between 2024 and 2025. For the AWAR and associated quarries, there was a 5 ha (3%) footprint increase between 2024 and 2025. The next comprehensive analysis is scheduled for 2027.	Not Applicable.
Caribou Satellite-Collaring Program (Section 6)	Agnico Eagle intends to continue collaboration with the GN DoE caribou satellite-collaring program. The collar data analysis completed in 2025 included 2025 data from four caribou herds.	Daily satellite collar maps still received during sensitive seasons and used to assess need for increased monitoring.

Table 11-1: Summary of Caribou Monitoring Activities and Management Responses in 2025

Monitoring Program	Summary of 2025 Monitoring Results	Summary of 2025 Management Responses
Viewshed Surveys (Section 7)	Following the fall 2024 TAG workshop (Agnico Eagle 2024) and implementation of TEMP V9 in early 2025, the viewshed survey program was discontinued.	Not Applicable.
Remote Camera (Section 8)	Remote cameras were deployed in accordance with new study design protocols during December 2025. Results will be presented in the 2026 annual report.	Not Applicable.
Blast Monitoring (Section 9)	Caribou monitoring was conducted prior to blasts throughout 2025. Caribou behavioural monitoring occurred during one blast in 2025.	Six blasts were cancelled due to groups of caribou exceeding the GST. Muskox exceeded the GST five times but were further than 1km away so blasts were not cancelled.
Hunter Harvest Study (Section 10)	A total of 782 caribou were reported as being harvested by 55 participants in the Baker Lake HHS. The data indicated that 34% of reported harvest occurred within 5 km of the AWAR, and 56% occurred within the Meadowbank RSA. In 2025, 38 caribou were harvested within 5 km of the WTHR.	The Hunter Harvest Study results support that harvest was less than threshold. Management actions are not required. Public access is not permitted along the WTHR.

AWAR = All-Weather Access Road, GN DoE = Government on Nunavut Department of Environment, GST = Group Size Threshold, HHS = Hunter Harvest Study, RSA = Regional Study Area, WTHR = Whale Tail Haul Road.

Table 11-2: Summary of Mine-related Effects on Caribou in 2025

Monitoring Program	Potential Effect	Threshold	Threshold Exceeded (2025)	Adaptive Management Implemented
Caribou Management Decision Tree (Section 2)	Sensory Disturbance	No threshold but Decisions Trees followed when caribou are seen near Mine facilities	Not Applicable	YES. Multiple road closures and notices. Use of Decision Tree for Management and Monitoring.
Road Surveys (Section 3)	Sensory Disturbance	No threshold. Decisions Trees followed when caribou are seen near Mine facilities.	Not Applicable	YES. Multiple road closures and notices, good engagement of Wildlife Log by site staff. Use of Decision Trees for Management and Monitoring.
	Project-related Mortality	Caribou or muskoxen will not be killed or injured by vehicle collisions. Threshold level of mortality is two individuals per year.	NO	There was one caribou mortality that took place on the WTHR on 14 February 2025.
Pits and Mine Site Ground Surveys (Section 4)	Sensory Disturbance	No threshold. Decisions Trees followed when caribou are seen near Mine facilities.	Not Applicable	YES. Deterrent actions were used to keep wildlife, including caribou, safe from site hazards. Use of Decision Tree for Management and Monitoring.
Wildlife Habitat Monitoring (Section 5)	Habitat Loss	10% above total loss of high suitability habitat.	Not Applicable	Not Applicable. Next assessment will be in 2027.
Caribou Satellite-Collaring Program (Section 6)	Sensory Disturbance	No threshold. Decisions Trees followed when caribou are seen near Mine facilities.	Not Applicable	YES. Multiple road closures and notices. Use of Decision Tree for management and monitoring.
Viewshed Surveys (Section 7)	Sensory Disturbance	No threshold. Viewshed surveys were discontinued in 2025.	Not Applicable	Not Applicable.
Remote Camera (Section 8)	Sensory Disturbance	No threshold.	Not Applicable	Not Applicable.
Blast Monitoring (Section 9)	Sensory Disturbance	NPC-119 criteria (see TEMP v9 for details). Monitoring is continuous, but with increasing intensity as caribou approach the blasting site.	NO	YES. Six caribou groups exceeded GST thresholds within setback distances resulting in blast cancellations. Use of Decision Tree for management and monitoring.
Hunter Harvest Study (Section 10)	Hunting by Baker Lake Residents	The AWAR will not result in significant changes in the spatial distribution, seasonal pattern, or harvest levels of caribou kills by Baker Lake hunters. Changes will not exceed 20% of historical harvest activities within the RSA.	NO	NO. Public access is not permitted along the WTHR. Discussion with HTO and GN representatives required to identify management options.
		No change in harvest along the WTHR.	UNCERTAIN	

AWAR = All-Weather Access Road, GN = Government of Nunavut, NPC = Noise Pollution Control, RSA = Regional Study Area, WTHR = Whale Tail Haul Road.

12 PREDATORY MAMMAL DEN MONITORING

Predatory mammals, representing a valued ecosystem component (VEC), occur and are known to den in the vicinity of the Meadowbank and Whale Tail Mine facilities. Sensory disturbances near active dens such as blasting, vehicles and, most significantly, ground personnel, may negatively impact denning success by inducing stress responses in the adult mammals, which can result in den abandonment.

Predatory mammal den monitoring is applicable to four species: wolf (natal dens), grizzly bear (natal/overwintering dens), Arctic fox (natal dens), and wolverine (natal dens).

12.1 Objectives

The purpose of the predatory mammal den monitoring program is to identify and monitor active dens in close proximity to mining operations in order to protect any detected dens from disturbance.

12.2 Methods

Data will be collected on predatory mammal abundance and behaviour during ground surveys, vehicle surveys, and through incidental observations. Active den sites identified during baseline studies will also be monitored. If a wildlife technician suspects or confirms that an active den is present within the active footprint and vicinity of Project mines facilities or roads, a den management plan will be prepared. The plan will include consultation with the GN with respect to obligations under *The Wildlife Act*, SNU 2003, c. 26. Ground personnel and vehicle access will be restricted in the vicinity of the den as needed to minimize disturbances at the den. The den management plan outlines a monitoring schedule (dependent on seasonal timing) and will inform further mitigation strategies as required. See Figure 11 and Appendix L of the TEMP version 9 (Agnico Eagle 2025a) for den management and protection plan components.

12.3 Results

Monitoring of predatory mammal dens was conducted informally in 2025 through observations recorded during other monitoring programs or incidentally. Potential effects due to Project-related activities were not identified to trigger monitoring of predatory mammal dens. One potential wolf den was identified on June 28, 2025 but follow-up monitoring was not able to confirm the presence of a den. The potential wolf den detection was not located near existing or planned Mine disturbances, so there was no risk of disturbance to the dens. Additional monitoring was not triggered.

12.4 Accuracy of Impact Predictions

A summary of the impact predictions identified in the TEMP version 9 (Agnico Eagle 2025a) is provided in Table 12-1; however, no impacts to denning predators were observed in 2025.

Table 12-1: Accuracy of Impact Predictions–- Disturbance to Denning Predatory Mammals for the Meadowbank and Whale Tail Sites

Potential Effect	Threshold	Threshold Exceeded	Adaptive Management Implemented	Monitoring Methods
Disturbance to Denning Predators	Predatory mammal den failures will not be caused by Mine-related activities. Threshold is one den failure per year.	NO	NO	Road Surveys, daily and weekly systematic pit and Mine site ground surveys, incidentals and vehicle encounter.

12.5 Management Recommendations

When an active den site is identified in close proximity to Project facilities, a den management plan should be developed that outlines a monitoring schedule and appropriate mitigation strategies.

13 RAPTOR NEST MONITORING

13.1 Overview

The raptor (e.g., hawks, eagles, falcons and owls) nest monitoring program is designed to determine Project-related effects, and the success of mitigation strategies to prevent disturbance to nesting raptors. Within the Meadowbank LSA and AWAR LSA, peregrine falcons have previously nested in quarries along the AWAR, the Portage Pit, and Goose Pit. Monitoring of peregrine falcon nests in quarries along the AWAR has been conducted since 2009. The Portage, Goose, Vault, Whale Tail, and IVR Pits are inspected for peregrine falcon activity daily prior to and during the nesting season and managed under the Peregrine Falcon Management and Protection Plan (Appendix E, Agnico Eagle 2025a).

Monitoring in 2025 included surveys for nests associated with pits and quarries along the AWAR and WTHR. Raptor activity and potential nest locations were also noted on other surveys including road surveys, viewshed surveys, freshet monitoring, and on-site environmental monitoring. Structured surveys for Arctic raptors were not completed during 2025. The most recent Arctic raptor report included data from 2015 to 2024 and is available in Appendix G of the 2024 Wildlife Monitoring Summary Report (Agnico Eagle 2025).

13.2 Objectives

The objectives of the raptor nest survey monitoring program are to monitor disturbance to nesting raptors, and Project-related mortality of raptors. Nest management plans are developed for nests in proximity to the Project. One mortality, and one nest failure are thresholds for the Project.

13.3 Duration

Raptor nest monitoring will continue throughout operation and closure stages of the Mine to evaluate if mitigation measures to prevent disturbance to nesting raptors are successful.

13.4 Methods

13.4.1 Nest Monitoring

Raptor nests within 1.5 km of the active footprint and Project facilities require monitoring from 1 May to 15 September. Daily monitoring is required for nests within the active footprint, or within 500 m of Project facilities (i.e., the area of concern; Agnico Eagle 2025a), and weekly monitoring is required for nests outside the area of concern. Nest management plans are developed as required, in consultation with subject matter experts and the GN. This includes establishment of no-disturbance buffers in accordance with BC Guidelines for Raptor Conservation or TAG recommendations. If raptor nesting activity is detected in the Portage, Goose, Whale Tail, and IVR Pits, or other site infrastructure, the Environment Department is notified, and these pits are then inspected daily for nesting activity from 25 May to 1 July. Management and mitigation approaches for peregrine falcon nests in proximity to pits and facilities are outlined in the Peregrine Falcon Management and Protection Plan on the Meadowbank Gold Project Site (Appendix E, Agnico Eagle 2025). Raptor activity is also noted on other surveys including pit and Mine site inspections and road surveys.

Raptor nest monitoring in 2025 included monitoring of raptor nests in quarries along the AWAR and WTHR. Peregrine falcons have nested in quarries along the AWAR since 2009, and surveys of these quarries have been performed since 2010. Quarries along the WTHR were checked regularly for raptor nesting evidence between 28 May and 21 September in 2025 (Table 13-1). Quarries along the AWAR (Table 13-1) were visited on an approximately weekly basis between 16 May and 10 October in 2025. Raptor activity and potential nest locations were also noted on other surveys including road surveys, freshet monitoring, and on-site environmental monitoring. Surveys in pits or other areas were conducted when raptors were observed during Mine site inspections or incidental observations.

Nest sites are monitored using non-disruptive techniques, which include monitoring from vehicles within the quarry or from the road, to ensure that active nests are not approached by Mine personnel. Presence of aggressive adults, eggs, and chicks are used to identify active nests. To minimize direct disturbance to nesting birds and as per recommendations, intensive monitoring by approaching nests by foot is not conducted. During 2025, deterrents were applied to one quarry site with the potential to harbour raptors to discourage raptor nesting.

13.5 Results

13.5.1 Nest Monitoring

One peregrine falcon nest was documented at Quarry 30, along the WTHR in 2025 (Table 13-1; Figure 13-1). No raptor nesting evidence was observed along the AWAR in 2025 (Table 13-1). Nests have previously been identified in Quarries 2, 3, 5, 7, 8, 9, 16, 17, 18, 19, 21, and 22, as well as Portage Pit and Goose Pit (Table 13-1). In 2025, adult peregrine falcons were detected at Quarries 1, 2, 3, 7, 8, 9, 10.5, 11, 16, 18, 20, 21, and 22 and an adult gyrfalcon was detected at Goose Pit, however, no nesting evidence was observed at these sites. A pair of gyrfalcons were incidentally observed nesting on WTHR near KM 148 (Table 13-2; Figure 13-1). No other raptor nests were identified during pit checks, esker checks or incidentally during other surveys in 2025.

A summary of observations made at the peregrine falcon nest along the WTHR in 2025 is detailed in Table 13-2. Raptor nest management plans were not developed at the active nest sites, as Mine-related activity was already restricted within the quarries, with the only disturbance being traffic on the nearby WTHR. Intensive monitoring, which would include approaching nests by foot, was not conducted to prevent disturbance. Nest locations are not publicized to prevent inadvertent disturbance by curious Mine employees.

Table 13-1: Record of Peregrine Falcon Nesting from 2009 and 2025

Location	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Comments (2025)
Quarry 1	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	One falcon observed.
Quarry 2	No	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	No	No	Yes	No	**Yes**	**Yes**	**Yes**	No	**Yes**	No	One falcon observed.
Quarry 3	No	**Yes**	**Yes**	**Yes**	**Yes**	No	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	**Yes**	No	**Yes**	**Yes**	No	Three falcons observed.
Quarry 4	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No falcons observed.
Quarry 5	No	No	No	No	No	No	No	No	No	No	No	No	**Yes**	No	No	No	No	No falcons observed.
Quarry 6	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No falcons observed.
Quarry 7	No	No	No	No	No	No	No	**Yes**	**Yes**	No	No	**Yes**	**Yes**	No	No	**Yes**	No	Two falcons observed.
Quarry 8	No	No	No	No	No	No	No	No	**Yes**	No	No	No	No	**Yes**	**Yes**	No	No	Two falcons observed.
Quarry 9	No	No	No	No	No	No	No	No	No	No	**Yes**	**Yes**	**Yes**	No	No	**Yes**	No	One falcon observed.
Quarry 10	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No falcons observed.
Quarry 11	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Two falcons observed.
Quarry 12	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No falcons observed.
Quarry 13	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No falcons observed.
Quarry 14	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No falcons observed.
Quarry 15	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No falcons observed.
Quarry 16	No	No	No	No	No	No	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	No	**Yes**	No	Two falcons observed.
Quarry 17	No	No	No	No	No	No	No	No	**Yes**	No	No	No	No	No	No	No	No	No falcons observed.
Quarry 18	No	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	**Yes**	**Yes**	**Yes**	**Yes**	No	**Yes**	**Yes**	No	**Yes**	No	Two falcons observed.
Quarry 19	**Yes**	No	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	**Yes**	No	No	No	No	No	No falcons observed.
Quarry 20	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	One falcon observed.
Quarry 21	No	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	**Yes**	No	**Yes**	No	One falcon observed.
Quarry 22	No	No	No	No	No	No	No	No	**Yes**	**Yes**	**Yes**	No	**Yes**	**Yes**	No	**Yes**	No	One falcon observed.
Quarry 10.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	One falcon observed.
Quarry 26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Quarry 30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	**Yes**	Three adults, three eggs and two chicks observed.
Quarry 35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Quarry 50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Quarry 52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.

Table 13-1: Record of Peregrine Falcon Nesting from 2009 and 2025

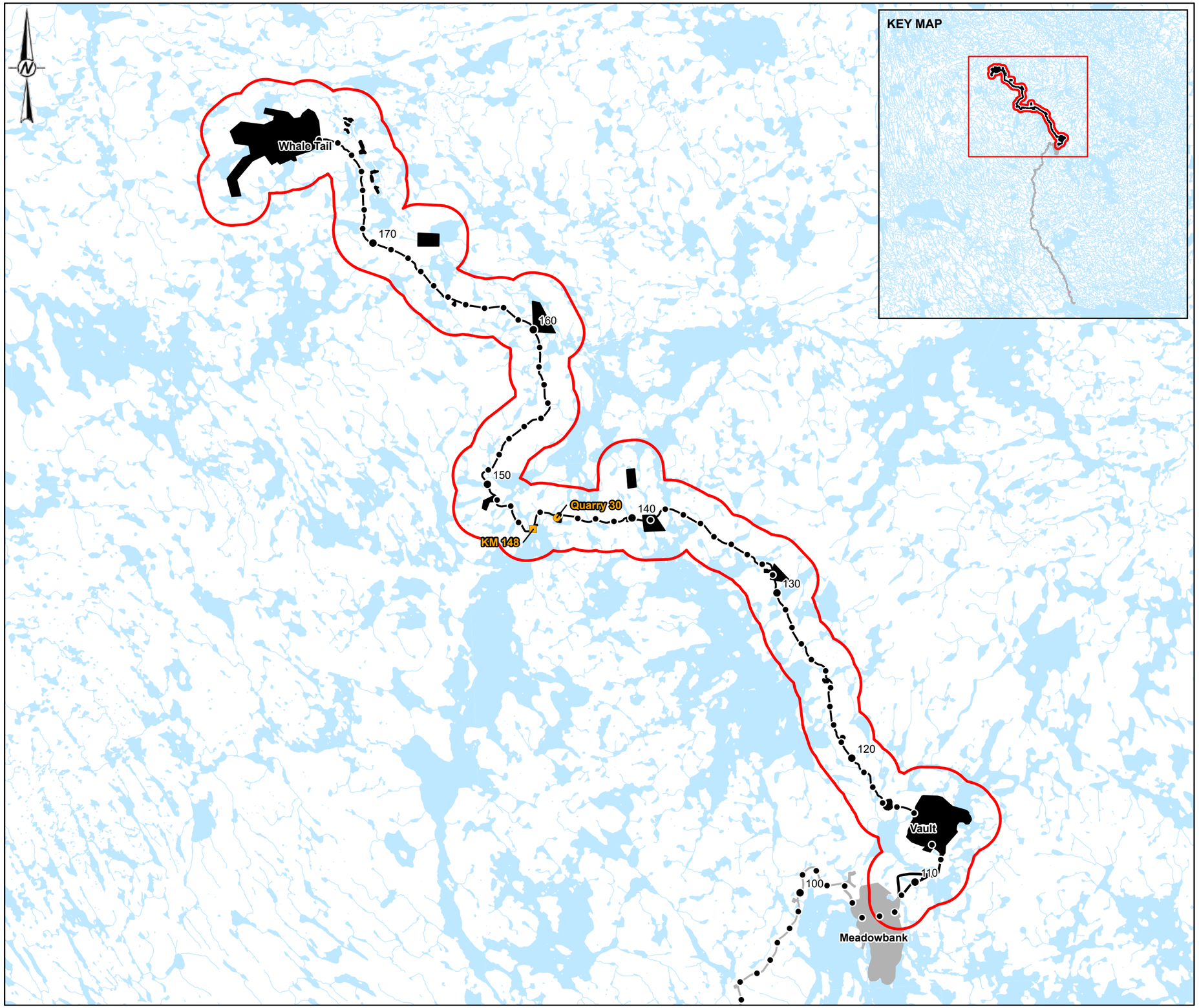
Location	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Comments (2025)
Esker 1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Esker 2 ABC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Esker 2D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Esker 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Esker 4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Esker 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Esker 7bc	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Eskers 6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.
Portage Pit	No	No	No	**Yes**	**Yes**	No	No	No	No	No	No	No	No	No	No	No	No	No falcons observed.
Vault Pit	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No	No	No	No	No	No	No	No falcons observed.
Goose Pit	N/A	N/A	No	No	No	No	No	**Yes**	No	No	No	No	No	No	No	No	No	One gyrfalcon observed
Whale Tail Pit	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No	No falcons observed.
IVR Pit	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	No	No	No	No	No	No	No falcons observed.

N/A = Not Applicable.

Table 13-2: Falcon Nest Monitoring Data, 2025

Date	Quarry 30 – Peregrine Falcon (-96.401, 65.225)	WTHR KM 148 - Gyrfalcon (-96.427439, 65.220477)
28-May-25	No falcons observed.	-
07-Jun-25	Two adults protecting nest.	-
17-Jun-25	No falcons observed.	-
21-Jun-25	One adult observed flying and alarming.	-
29-Jun-25	No falcons observed.	-
05-Jul-25	Two adults flying and alarming.	-
10-Jul-25	Two adults protecting nest with three eggs.	-
20-Jul-25	One adult flying and alarming.	-
26-Jul-25	Two adults protecting nest with two chicks.	-
02-Aug-25	One adult protecting nest with two chicks.	-
09-Aug-25	Three adults protecting nest with two chicks.	-
16-Aug-25	Three adults and two chicks. At least one adult protecting the nest.	-
24-Aug-25	One adult observed flying.	-
05-Sep-25	Two adults showing defensive behaviour.	-
13-Sep-25	No falcons observed.	Two gyrfalcons protecting nest located behind environmental sea can near bridge 148
21-Sep-25	No falcons observed.	-

“-” indicates no monitoring event on given day, WTHR = Whale Tail Haul Road, KM = kilometre.



KEY MAP

LEGEND

- OBSERVED GYRFALCON NEST
- OBSERVED PEREGRINE FALCON NEST
- KILOMETRE MARKER
- WHALE TAIL LOCAL STUDY AREA (LSA)
- WHALE TAIL MINE LEASE
- MEADOWBANK MINE LEASE
- WATERBODY
- WATERCOURSE

0 4,000 8,000

1:200,000 METRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.
COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

FALCON NEST LOCATIONS (2025)

CONSULTANT

wsp

YYYY-MM-DD	2026-02-25
DESIGNED	LV
PREPARED	CDB
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
CA0055337.7557	4003	0	13-1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

0

PATH: W:\Client\Agnico_Eagle_Mines_Ltd\Whale_Tail\99_PROJECTS\CA0055337_7557\4003\02_PRODUCTION\APRX\Report\CA0055337_7557_4003_13_01_FALCON_NEST_LOCATIONS_2025.aprx PRINTED ON: 2026-02-25 AT: 9:22:13 AM

13.6 Accuracy of Impact Predictions

A summary of the impact predictions identified in the TEMP version 9 (Agnico Eagle 2025a) is provided in Table 13-3. Results of the nest occupancy analysis indicate that there has been a marginal decrease in peregrine falcon nest occupancy, but this cannot be strongly correlated to effects from the Project. Results may be related to inconsistent monitoring and lack of statistical power to determine large Project-related effects.

Table 13-3: Accuracy of Impact Predictions to Nesting Raptors and Raptor Mortality

Potential Effect	Threshold	Threshold Exceeded (2025)	Adaptive Management Implemented	Monitoring Methods
Disturbance to Nesting Raptors	Raptor nest failures will not be caused by Mine-related activities. Threshold is one nest failure per year.	NO	NO	Active raptor nest monitoring. Daily and weekly systematic pit and Mine site ground surveys.
Raptor Mortality	One individual.	NO	NO	AWAR and WTHR surveys. Daily and weekly systematic pit and Mine site ground surveys. Incident and vehicle encounter reports.

AWAR = All-Weather Access Road, WTHR = Whale Tail Haul Road.

13.7 Management Recommendations

Agnico Eagle will continue to monitor raptor nests in accordance with the TEMP version 9 (Agnico Eagle 2025a). This includes annual raptor nest surveys of quarries along the AWAR, WTHR, pits, and waste rock piles; development of nest management plans; and implementation of the Peregrine Falcon Management and Protection Plan, when required. Active nests will be monitored throughout the season to determine nest success or failure. Agnico Eagle will continue to document raptor observations during other programs (e.g., road surveys).

Mitigations for raptors that were implemented in 2025 include applying deterrents in the breeding season to one quarry from 30 May to 22 September 2025.

14 WATERBIRD NEST MONITORING

14.1 Overview

As part of the water management plan for the Whale Tail Mine, dewatering dikes were constructed to isolate the pit area in Whale Tail Lake. The associated flooding of the surrounding tundra was identified as having the potential to impact nesting of migratory birds. Through collaboration with Trent University and ECCC, research studies were initiated in 2018 to determine the effectiveness of a suite of planned mitigation measures for migratory birds during flooding of the Whale Tail South area. This study was conducted over three field seasons in 2018, 2019, and 2021 before, during and after flooding. The objectives of the study were to:

1) Determine the effectiveness of audio and visual deterrents for prevention of flood-zone nesting.

2) Estimate the number of nests and species composition lost due to flooding.

3) Examine the behavioural response of birds to:

    a) deterrents (e.g., impacts to duration on the nest) and

    b) flooding (determine whether birds re-nested nearby after the flooding events).

Results of this study and associated publications were provided in the 2024 Wildlife Monitoring Summary Report. Briefly, results indicated that: 1) deterrents did not impact territory density overall across the four species studied (objectives 1 and 3a); 2) the estimated number of impacted nests was fewer than the FEIS Addendum prediction (objective 2), and 3) the evidence available to draw conclusions regarding re-nesting in relation to flooding was limited and varied (objective 3b).

While additional manuscripts may continue to be submitted for peer-reviewed publication in the future by the research team, the study objectives have been met and reporting under the Migratory Bird Protection Plan (Appendix F in TEMP version 9; Agnico Eagle 2025a) is considered complete at this time.

15 BREEDING BIRD MONITORING

15.1 Overview

The breeding bird PRISM (Program for Regional and International Shorebird Monitoring) plot and breeding bird transect monitoring programs were designed to evaluate potential Project-related changes in breeding bird species abundance, richness, and diversity over time. The program is one component of the larger monitoring strategy to evaluate the success of mitigation measures implemented to minimize the amount of vegetation (i.e., bird habitat) removed or degraded (e.g., dustfall) by the Project, and whether certain Mine activities such as the Mine site or AWAR have resulted in reduced or compromised habitat function or effectiveness (i.e., zone of influence) for breeding birds.

For the breeding bird transects, data analysis in 2011 and 2015 indicated that no road-related effects had occurred to date, and thresholds had not been exceeded; therefore, annual transect surveys were permanently suspended after 2015. In 2022, Agnico Eagle reached an agreement with the ECCC to contribute to regional bird monitoring programs by conducting 48 PRISM plots from 2021 to 2031, and to complete Breeding Bird Surveys (BBS) along the AWAR and WTHR when possible and at a minimum of every three years.

15.1.1 Breeding Bird Surveys

Two BBS routes, consisting of 50 stations set every 800 m for a total of 40 km along the AWAR and 40 km along the WTHR. Each station was established by qualified personnel along AWAR and the WTHR in 2022 and were surveyed in 2023, 2024, and 2025. The three years of BBS surveys (i.e., 2023 to 2025) were scheduled between 15 and 30 June, the prime bird breeding season.

A total of 21 bird species were recorded on AWAR and 18 bird species were recorded on WTHR in 2025. Lapland longspur (*Calcarius lapponicus*) and Horned lark (*Eremophila alpestris*) were the most common species observed along AWAR, while Canada goose (*Branta canadensis*) and Lapland longspur were the most common species observed along WTHR. Overall, bird diversity and abundance and diversity was higher along the AWAR route than the WTHR route. Detailed descriptions of the routes, station locations, and species detections from 2023 to 2025 are provided in the Meadowbank Complex 2025 Breeding Bird Surveys and PRISM Plots Summary Report (Appendix H).

15.1.2 PRISM Plots

Fourteen PRISM plots were surveyed during June 2025. In total, 23 bird species and 3 mammal species were observed during PRISM plot surveys. Of those, 15 bird species and 2 mammal species were observed in the PRISM plots. Nests of Lapland longspur, American pipit (*Anthus rubescens*), and redpoll sp. (*Acanthis* sp.) were documented on PRISM plots in 2025. Nests of Lapland longspur, and American golden plover (*Pluvialis dominica*) were observed incidentally outside PRISM plots. Lapland longspur, horned lark and semipalmated sandpiper (*Calidris pusilla*) were the most common species observed during the survey. Full results of the 2025 surveys, as well as sampling methods and locations are available in Appendix H.

PRISM plots have been conducted in 16 separate years between 2003 and 2025. Over all years, the top three most abundant species were Lapland longspur, horned lark and unidentified redpoll species. Overall, the average number of birds detected per plot has been relatively consistent over the years.

15.2 Management Recommendations

Agnico Eagle has completed its commitment to ECCC of conducting 48 PRISM plots selected by CWS over 10 years (2021 to 2031). Agnico Eagle will continue to conduct BBS routes along AWAR and WTHR opportunistically, when qualified individuals are on site. At a minimum, the BBS routes will be conducted every three years during the operations, closure and post-closure phases of the Project. The next BBS survey is expected to be conducted in 2028.

16 NON-NATIVE PLANT SURVEYS

16.1 Overview

This section includes the methods, results, and mitigation measures to minimize the spread of non-native invasive plant species resulting from mining activities. The Government of Nunavut (GN) and Environment and Climate Change Canada (ECCC) defines a non-native species as ‘an organism that is not normally found in a region’ (CESCC 2022). Additionally, according to Section 91 of *The Wildlife Act*, S.NU. 2003, c 26, invasive species shall not be released into a habitat in which that species does not belong, or never naturally occurred. Any introductions of non-native plant species must be promptly reported to the GN Department of Environment. In 2019, Agnico Eagle initiated a non-native plant monitoring study to assess and monitor the potential introduction of non-native plant species, including weeds or invasive species (Golder 2020b). Subsequent monitoring events occurred in the month of July in each of the years between 2020 to 2025. Surveys will continue to be completed annually as per the Terrestrial Ecosystem Management Plan (TEMP) version 9 (Agnico Eagle 2025a). The following section summarizes the findings of the 2025 non-native plant survey.

16.2 Methods

The Canadian Endangered Species Conservation Council (CESCC) lists 17 species not normally found in Nunavut with a potential for becoming established, 14 of which are vascular (non-native) plants to the region (CESCC 2022). These species were included as targets for the non-native plant surveys. Additionally, any species known to be non-native to Nunavut were also included as targets for non-native plant surveys, to meet requirements of Section 91 of *The Wildlife Act*, S.NU. 2003, c 26.

Surveys at the Meadowbank Complex were conducted by a WSP vegetation ecologist who was accompanied by an Agnico Eagle site representative to access the survey locations between 17 to 23 July 2025. Surveys were completed at Meadowbank Mine, Whale Tail Mine, the All-Weather Access Road (AWAR), Whale Tail Haul Road (WTHR), and the Baker Lake tank farm.

Species were documented as they were encountered. Non-native plant surveys consisted of targeted surveys focused within high-priority or high-potential areas at the Meadowbank Complex. The high-potential areas were identified as the Project perimeter, highly trafficked areas (e.g., fuel station), areas surrounding buildings, shipping containers, along existing roads/trails or areas of disturbance within the Project area, as well as adjacent to the AWAR and WTHR road. High potential areas also included survey locations from where non-native plants were observed in previous monitoring years. In areas where non-native species were observed, meander surveys were conducted outside of the disturbance footprint to determine if these species had established in the native tundra. Given the length of the AWAR and WTHR, the roads were travelled via vehicle at slow speeds while observers looked for obvious signs of weed infestations along road margins. Periodic stops were undertaken to complete meanders in areas with high potential for weed occurrences (e.g., pull-outs, work areas, road-side quarries, and other areas with disturbed substrates). A global positioning system (GPS) unit was used to collect a track file of the meander route and point locations of surveys conducted.

When non-native or invasive plant species were encountered, the following information was recorded:

- Site ID
- surveyor name
- GPS coordinates
- photos of the occurrence / infestation

- species name
- estimated area of infestation
- estimated number of plants (e.g., <10, 10 to 100, 100 to 1,000, >1,000) of each species
- estimated cover of bare ground
- growth stage (i.e., seedling, in bud, seed set, expired)
- recommended action for each species
- record of any hand pulling completed

16.3 2025 Results

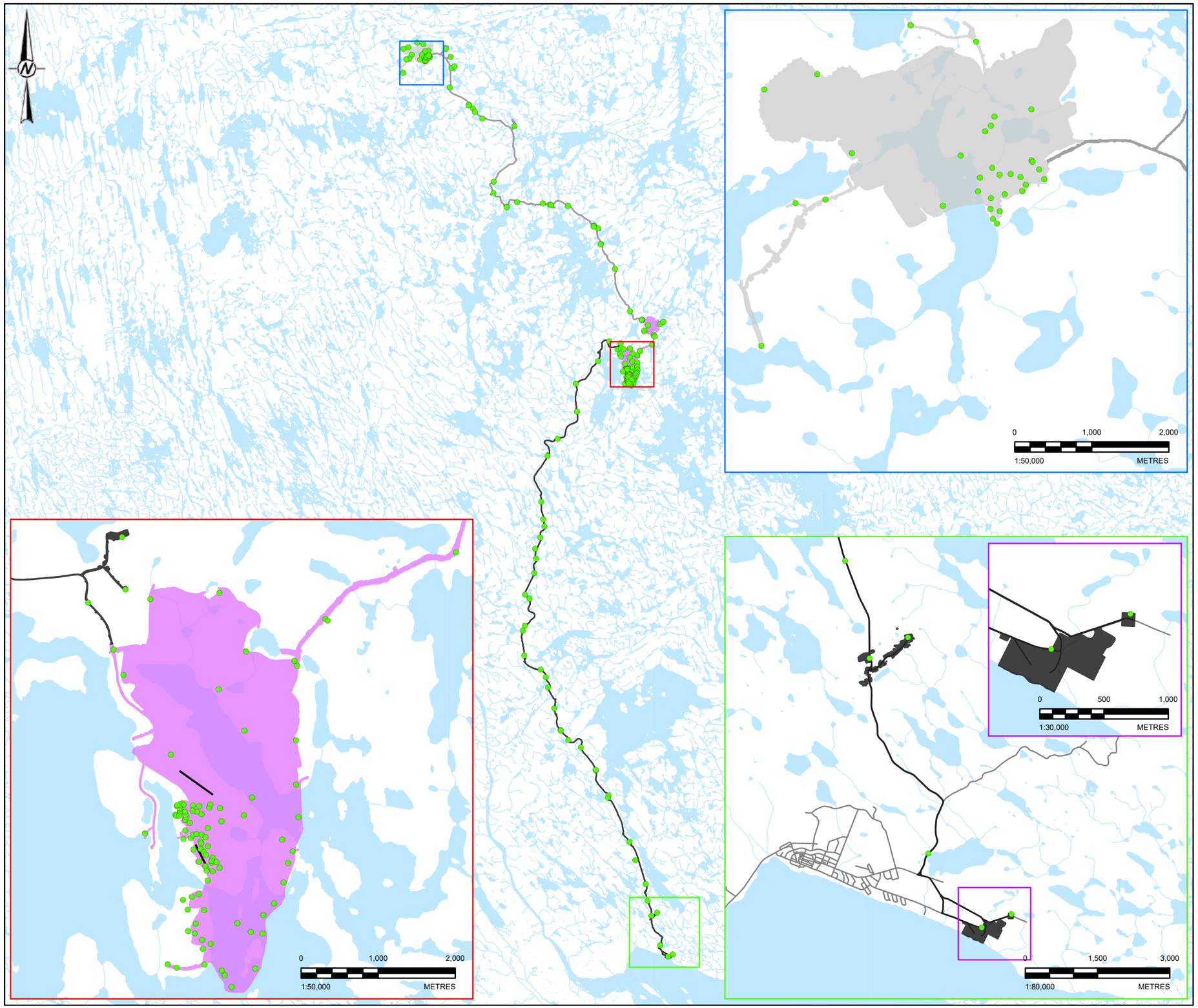
No non-native plants, as identified by the CESCC, were recorded along the AWAR, WTHR, Baker Lake tank farm, Meadowbank site, and Whale Tail sites during the 2025 field surveys.

A total of 208 individual locations were surveyed for non-native plants in 2025 (Table 16-1). New survey locations were established on the Meadowbank Mine site (4) and undisturbed tundra (3). In total 21 surveys were completed in the undisturbed tundra around the Meadowbank Mine site, WTHR, and AWAR to survey the presence/absence of non-native species. No non-native plants were found in the undisturbed areas of the tundra that were surveyed.

A summary of the locations where non-native plant surveys were completed is presented in Table 16-1 and Figure 16-1.

Table 16-1: Summary of 2025 Non-Native Plant Survey Effort

Location of Survey	Total Number of Survey Locations
AWAR	14
AWAR Quarry	24
Baker Lake tank farm	2
Meadowbank Mine site	92
Undisturbed tundra	21
Whale Tail Mine site	31
WTHR	10
WTHR Esker/Quarry	14
Total	**208**



LEGEND

PROJECT DATA

- SURVEY LOCATION - NO NON-NATIVE SPECIES OBSERVED
- TRANSECT
- WHALE TAIL MINE SITE
- HAUL ROAD
- MEADOWBANK MINE SITE
- ALL WEATHER ACCESS ROAD

BASE DATA

- WATERCOURSE
- WATERBODY

0 10 20
1:530,000 KILOMETRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.
COORDINATE SYSTEM: CANADA ALBERS EQUAL AREA CONIC

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 WILDLIFE MONITORING SUMMARY REPORT

TITLE

2025 NON-NATIVE PLANT SURVEY LOCATIONS

CONSULTANT

wsp

YYYY-MM-DD	2026-02-24
DESIGNED	JL
PREPARED	CDB
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
CA0055337.7557	4003	0	16-1

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16.3.1 Historical Results

From 2019 to 2021, many observations of what was then identified as flixweed (*Descurainia sophia*) were reported (Table 16-2); however, these observations were confirmed in 2022 to be a native species, northern tansy mustard (*Descurainia sophioides*) (WSP 2024). Both flixweed and northern tansy occupy similar habitats including gravel bars, roadsides, waste sites and disturbed soils (Oregon State University 2024), which likely contributed to the previous misidentification of the species. Similarly, previous annual TEMP reports have reported the non-native species, scentless chamomile (*Tripleurospermum inodorum*) (Table 16-2); however, these observations were confirmed in 2022 to be a native species sea mayweed (*Tripleurospermum maritima*). Scentless chamomile and sea mayweed are both found in similar habitats along roadsides and disturbed areas (SSIC 2021), which may have also contributed to their historical misidentification.

In 2020, two non-native species, lamb's quarters (*Chenopodium album)* and alsike clover (*Trifolium hybridum*) were observed; however there have been no observations of these species since 2020 (Table 16-2).

In 2022, no non-native species were observed (Table 16-2).

In 2023, pea plant (*Pisum sativum*) was observed and removed during the survey by hand pulling at the Meadowbank Mine site (Table 16-2).

In 2024, no non-native species were observed (Table 16-2).

Table 16-2: Historical Non-Native Plant Survey Results

Year	Number of Survey Locations	Non-Native Plants Species Recorded[(a)]
2019	107	flixweed, scentless chamomile
2020	175	flixweed, scentless chamomile, lamb's quarters, alsike clover
2021	202	flixweed, scentless chamomile
2022	193	none
2023	198	pea plant
2024	201	none

(a) Both flixweed and scentless chamomile observed in previous years have been confirmed in 2022 to be native species, northern tansy mustard and sea mayweed, respectively (WSP 2024).

16.4 Management Recommendations

The 2025 survey was the seventh consecutive year of non-native species monitoring at the Meadowbank Complex. No non-native species were identified.

Efforts for non-native plant management, including identified non-endemic species, should continue and added diligence should be undertaken with regards to areas of high traffic from equipment. Continued and thorough cleaning of equipment and materials prior to entering the site, per the TEMP version 9, will prevent seed of non-native species from being introduced. Based on the multi-year baseline established in previous surveys, future surveys for the 14 non-native plant species identified by CESCC as well as other species not native to Nunavut may be completed biennially. In addition, a review of survey locations should be conducted to determine if any survey locations may be discontinued. Suitable reasons for dropping survey locations can include, but are not limited to, decreased traffic or changes in use since the start of the monitoring program. Because no non-native species have been found at the Meadowbank Complex since the start of the monitoring program, surveys at undisturbed areas can be halted and only restarted if non-native species are found in disturbed areas.

Mechanical control such as mowing or hand pulling, as appropriate for the site setting, is recommended for any identified non-native plant species. Chemical herbicide treatments are not recommended to be used at this point as the tundra is a very sensitive ecosystem.

The CESCC (2022) poster of non-native species in Nunavut should continue to be displayed at the Meadowbank Complex to raise staff awareness.

A management plan for non-native plant species employing adaptive management may be implemented if non-native plant species are observed within the Meadowbank Complex area. A non-native plant management plan would describe the methods for the eradication, control and/or minimization of the encroachment of non-native plant species into new areas and outline additional measures such as on-boarding and training in the identification of non-native plant species for the area.

17 SPECIAL STUDIES

17.1 Snow Study

17.1.1 Overview

During the environmental review of the Whale Tail Expansion Project, the Government of Nunavut expressed concern that snow management activities on the Whale Tail Haul Road may result in conditions that may make passage by caribou difficult and more energetically expensive. To address this concern Agnico Eagle made Commitment 9 at the Technical Meeting held in Baker Lake June 2019, which included completing a three-year snow monitoring program as part of the Terrestrial Ecosystem Management Plan that measures snow conditions related to removal of snow from the Whale Tail Haul Road. The goal of the snow monitoring was to determine whether changes to snow resulting from snow removal along the Haul Road result in conditions that potentially inhibit caribou movements. Following the circulation of version 1 of the study design to members of the TAG on 02 October, 2019, the Kivalliq Inuit Association (KivIA) recommended monitoring of areas of caribou use and non-use along the Haul Road (KivIA 2019). Agnico Eagle modified the study design to follow the KivIA's recommendation. The variables measured include the height, width and slope of snowbanks, snow depth of deposited snow, snow hardness, and the depth of fresh caribou tracks.

Snow hardness and sinking depth are important for caribou energy expenditure of locomotion, where the combination of softer and deeper snow may inhibit caribou movements (Fancy and White 1987). The goal of the snow monitoring is to determine whether changes to snow resulting from snow removal along the WTHR result in conditions that potentially inhibit caribou movements. The key questions to be answered by the snow study monitoring were:

1) How do snow conditions within the managed snow area where caribou are crossing the WTHR differ from the snow conditions in adjacent portions of the berm where crossing did not occur?

2) How do snow conditions and caribou track characteristics differ between areas within the snow berm and areas beyond the berm where snow conditions have not been altered by snow removal activity?

Beyond the two main objectives of the study, an additional question was explored regarding how snow conditions differ on either side of the roads.

During the fall 2025 TAG workshop, additional questions were posed regarding weather patterns across study years (2020-2025) compared to a broader timescale (TAG #24; Agnico Eagle 2025b). As a result, weather data from 2013 – 2025 were analysed to explore two main questions:

Do the weather patterns observed during the study period reflect general weather patterns in the area?

1) Is there evidence of climate change affecting the local weather trends observed during the study period?

An annual sample goal of 36 survey locations was originally proposed over three years. Since 2020, a number of challenges have limited the program from achieving this goal including locating fresh caribou tracks. In 2022 a power analysis was conducted using data from 2020-2022 to determine the total number of sampling locations required to detect very small, small and moderate effect sizes for snow hardness (WSP 2023a). A recommendation was made to collect the full suite of snow data for a minimum of 65 sampling locations to detect a moderate effect size (e.g., 25%). Between 2020-2025, 70 complete sampling locations were collected, exceeding the minimum threshold from the power analysis.

The Snow Study Final Report presenting the final snow study results was completed in 2025, thus concluding the study. The final report is presented in Appendix I.

17.1.2 Management Recommendations

Agnico Eagle clears snow from roads for human safety reasons. Snow from roads is cleared to the downwind side to minimize the amount of time requirement snow management. Between 2020 to 2025, a total of 98 locations were surveyed for the snow study, but some locations did not have all snow condition parameters measured. Improvements for data collection implemented in 2023 and carried forward into 2024 and 2025 allowed for a full suite of snow data (snow depth, snow hardness, slope) and caribou track data (in used plots and non-managed control plots) to be collected for a total of 70 survey locations.

The results of this study indicate that snow depth and hardness associated with snow removal from the WTHR and AWAR are similar or show very small differences relative to snow conditions of unmanaged snow. Managed snow is not deep and is within the range that caribou may encounter on the tundra. Snow hardness was not substantially different than non-managed snow where caribou may become stuck or have difficulty while crossing roads during spring migration. The results of other snow metrics measured for snow berm height, width and slope do not support that they may impede movements by caribou. Slope was similar on upwind and downwind sides of the road. The results do not support that snow management areas along the WTHR or AWAR are likely to result in measurable energetic or ecological impacts to caribou. Temperatures during the migration season were slightly warmer during snow study years compared to previous years, and winter precipitation was lower during snow study years compared to previous years. While these may be ecologically relevant for caribou, it is unlikely to impact future snow mitigation recommendations.

The full description of snow study methods, results, and conclusions can be found in the Final Snow Study Report (Appendix I). Agnico Eagle will continue to manage snow berms for road safety and to support caribou movement across roads. Commitment #9 is complete and monitoring associated with the snow study will be discontinued.

17.2 Caribou Behaviour

The following is a summary of the Meadowbank Gold Mine Caribou Behaviour Study, 2025, completed by ERM Consultants Canada Ltd. (ERM 2025; Appendix J).

17.2.1 Overview

As part of the Nunavut Impact Review Board (NIRB) Project Certificates #004 and #008, Agnico Eagle is required to study and report on the effects of the Project on caribou. The TEMP (Agnico Eagle 2025a) includes behaviour monitoring for caribou in response to various disturbances, which have been conducted annually from 2020 to 2025.

During 2020, Agnico Eagle retained ERM to update the field protocols used for behaviour monitoring. ERM adapted standard methods for caribou behaviour monitoring developed by the Government of Northwest Territories Department of Environment and Natural Resources (GNWT-ENR 2017). Following the first two years of data collection (2020 and 2021) and comments from the TAG, GN, and KivIA, the protocols were since updated from 2019 to improve the quality of the data collected.

Based on guidance from the TEMP (Agnico Eagle 2025a), the overall objective of the caribou behaviour monitoring program is to determine if caribou activity budgets change with distance from the Mine, and to document caribou response to stressors. Agnico Eagle environmental technicians, contractors, and Nunavummiut seasonal workers completed caribou behaviour monitoring surveys during the spring and fall migration periods, summer calving periods, and winter period.

The detailed objectives of the 2025 were:

1) Estimate how mine infrastructure at the Mine, including the road that crosses through the Mine area, influence the proportion of caribou displaying response behaviours.

2) Identify the stressors that influence the proportion of caribou showing response behaviours near mine infrastructure at the Mine, including the road. To identify the stressors, the following characteristics in relation to caribou behaviour were examined:

   - Road crossings with group size and distance to infrastructure
   - Behaviour type with group size and distance to infrastructure
   - Behaviour type and environmental/temporal variables
   - Road closure status
   - Season and side of the road
   - Number of disturbances
   - Response to disturbances
   - Direction of caribou and travel
   - Convoy duration and size

17.2.2 Methods

17.2.2.1 Field Surveys

Survey methods followed protocols for monitoring caribou behaviour developed by the Government of Northwest Territories Department of Environment and Natural Resources (GNWT-ENR 2017). Field surveys were conducted during spring and fall migration, summer, and winter in all years (2020 to 2025) by the Agnico Eagle environmental technicians, with efforts to conduct roughly the same number of surveys in spring and fall migration seasons. In 2020, ERM refined these methods for Agnico Eagle's Nunavut mine operations to focus on scan samples, in lieu of both scan and focal samples due to time efficiency and higher quality data.

Behaviour surveys were completed by:

1) Identifying caribou groups visible from Mine infrastructure including the road.

2) Randomly selecting groups for observation.

3) Recording the behaviour of individuals in groups of different sizes, including their responses without any disturbance and in response to Mine-related activities and natural factors.

Initially, reconnaissance surveys were also conducted during 2020 to identify where caribou groups were located but it was determined that many caribou groups would move away from the road before the field crew returned to conduct the behaviour survey. Where multiple groups of caribou were observed, surveyors randomly chose which group to sample or specifically chose groups to fill sampling gaps specifically for the group size and distance from road variables. Filling gaps ensured that data is adequate for both variables.

Each survey had a time interval of 30 minutes, with scan samples conducted every three minutes. Information recorded during the surveys included location of the survey, weather conditions present at time, road structure, and location of the caribou group in relation to the road. Prior to 2021, distance values were estimated by the observer. This method was later updated to include a laser rangefinder for more accurate distances. The behaviour of caribou in the group were categorized at the start of the survey and every three minutes after. Behaviour categories were standardised following GNWT-ENR (2017) classifications, which included feeding, lying down, standing, alert, walking, and trotting or running. At each three-minute interval, surveyors recorded the number of individuals in the group exhibiting each behaviour at that time. If a group was large (>100), a subset of individuals was surveyed instead of the entire herd and was used to define the behaviour of the entire herd.

In the case that a disturbance event occurred during the survey, the time and type of disturbance was recorded. A disturbance is defined as any human-caused loud noise, low-flying aircraft, or vehicle travelling on the road. Blast disturbances were monitored under the Blast Monitoring Program which was developed in collaboration with the TAG (Agnico Eagle 2020b). In the analysis all disturbances are treated equally. In the previous five years, 95% of disturbance events recorded were from road-related disturbances (vehicles) and the remaining 5% were from either blasts or helicopters.

Alert behaviour and trotting or running were considered disturbance “response behaviours” and were grouped together in the subsequent data analysis. In this report, alert and running behaviours are referred to collectively as response behaviours, but it is important to note that this is irrespective of whether there were disturbances recorded. Caribou may exhibit these behaviours without a disturbance occurring. Walking was also assessed as a response behaviour in some analyses, which are specifically noted in the results.

Following recommendations from the TAG in 2021, an additional set of longer surveys was completed to specifically look at the behavioural response to convoys of vehicles. These surveys were 90 minutes each, consisting of a “before convoy”, “during convoy” and “after convoy” survey. Observers sought out caribou that were likely to remain within view for 90 minutes, such as caribou that were feeding or laying down, however caribou frequently walked out of sight prior to completion of the 90-minute survey period. Using this extended methodology, 9 surveys were completed in 2021, 2022 and 2025, 17 in 2023, and 10 in 2024.

17.2.2.2 Data Analysis

The objective of the data analysis was to quantify trends in the survey data and determine whether factors such as distance to Project infrastructure (road), group size, or the disturbances could be used to explain caribou behaviour. The primary hypothesis was that caribou closer to the road would demonstrate a stronger response to disturbances. An initial exploratory analysis was completed to visualize the data and determine the appropriate method for analyzing the data.

A regression analysis was conducted to test whether data from the surveys could be analyzed statistically. To increase the power to detect changes in caribou behaviour, the behaviour categories were grouped into response behaviours (alert and trotting or running) and non-response behaviours (feeding, lying down, standing, and walking).

Following the 2020 analysis, there was a suggestion from the TAG to explore whether the proportion of walking caribou changed as a response to disturbance. This was done to see if walking would be better categorized as a response behaviour or a non-response behaviour. To test this, a model that included walking, running, and alert behaviours was applied in addition to the original model with just running and alert behaviours.

Generalized linear mixed-effects models (GLMM) were used to assess the differences in the proportion of response behaviours in surveyed animals as a function of various controlling variables, including the occurrence of disturbances. Proportions were modelled using a binomial distribution due to the binary nature of the response variable. Because small groups naturally have greater variability in values (i.e., more likely that “all” or “none” of caribou are alarmed when there are only two caribou) an offset for the total number of caribou with tallied behaviour was included. This regression framework provides a means to control for habitat, environmental variables, repeated measurements, and spatial correlation.

Statistical analyses were conducted using R Statistical Software version 4.5.2 (R Core Team 2025) with the data from each three-minute time interval in each survey. Two dependent variables were tested:

1) Proportion of response behaviours in each time interval.

2) Proportion of walking plus response behaviour in each time interval.

The two dependent variables were modelled against a suite of potentially important variables to determine if there was any statistical relationship with response behaviour. The variables included in this analysis were group size, distance to road, temperature, wind speed, season and side of the road (upstream/downstream), the roads status (closed or open), and whether or not a disturbance occurred in the survey. Season and side of the road were included as an interaction term because direction of travel is seasonally dependent. In 2025, the convoy duration and number of vehicles in each convoy was collected, however, limited data precluded the inclusion of this data in models for 2025.

Full methods used for the caribou behaviour monitoring program are presented in Appendix J.

17.2.3 Results

Behaviour monitoring data from 2025 were combined with data from 2020, 2021, 2022, 2023, and 2024, and all results outlined in this report use all years, unless otherwise stated. The program and combined data resulted in several key findings:

- There were 57 surveys conducted in 2025, 70 surveys in 2024, 70 surveys in 2023, 104 surveys in 2022, 134 surveys in 2021, and 116 in 2020. Surveys during 2025 were primarily conducted during the spring and fall, though there were three surveys completed during winter. No surveys were completed in the summer.
- Caribou group sizes ranged from 1 to 2 individuals to >100. There is not a clear relationship between caribou group size and road crossing observations. Results from GLMMs and exploratory analyses indicated that group size and the distance of caribou to the road were not correlated with the number of road crossings observed.
- Larger groups of caribou tended to be recorded further from the road. To date, only 12 groups larger than 50 individuals were recorded within 100 m of the road at the start of the survey.
- In 2025, caribou predominantly exhibited non-response behaviours during surveys. Non-response behaviours included standing, laying, feeding, and walking. The “feeding” behaviour was the most observed behaviour in all group sizes.

- To determine if environmental factors such as heat or high winds were influencing caribou behaviour, the proportion of response behaviours, environmental variables, and temporal variables were assessed. No trend was evident in the relationship between wind speed and response behaviours. Statistical models showed that warmer temperatures (above 10°C) were associated with a higher likelihood that caribou would show response behaviours.
- Across all years there were 305 surveys conducted while the road was closed and 191 surveys were conducted when the road was open. Road closure status did not affect behaviour in the statistical analysis, however there was a higher proportion of individuals walking on average when the road was closed. This may be due to closures occurring more frequently during peak migration times.
- Across all 6 years of data, 49% of surveys contained a disturbance event. Following a disturbance event, the proportion of response behaviours in a group of caribou was significantly higher. Groups generally returned to baseline behaviours within 6 minutes after a disturbance.
- When considering the effect of group size for behaviour response models, the smallest group size (one to two individuals) had the largest proportion of response behaviour to disturbances, showing a higher likelihood of responding to a disturbance. Increasing group size had smaller estimated effects, indicating that the likelihood of responding generally decreased as group size increased.
- In response to comments from the KivIA, the behaviour of “walking” was investigated for whether it may be a response behaviour instead of a non-response behaviour. Models were examined with a response variable for response behaviours and a model for response behaviours with walking behaviours included. Odds ratios were used to evaluate the probability of a behavioural response increasing in response to disturbance, and the model without walking showed a much higher responses to disturbance. This indicates walking may be less associated with disturbance compared to other types of behavioural responses.
- Pairwise comparisons were completed for the proportion of caribou exhibiting response and walking behaviours on the west versus east sides of the road. Walk and response behaviours were higher on the west (upstream) side of the road during spring and were higher on the east side of the road during summer. There was no difference in the proportion of response behaviours on the west and east sides of the road during fall.
- Duration of response to disturbance was assessed using Cox’s proportional hazards modelling and all 5 years of data. Following a single disturbance event, 90% of caribou will return to normal behaviours within 6 minutes and 99% will return to normal behaviours withing 15 minutes. The probability of returning to baseline behaviour within 6 minutes is lower for larger caribou groups (greater than 100 individuals) and lower in cases with multiple disturbances.
- The results of the statistical analysis provide support for the key hypothesis that caribou tend to respond to disturbances; however, they also indicate that distance to the road was not a significant predictor of response.
- In response to the TAG suggestion to incorporate convoy characteristics into behaviour analyses, data on convoy sizes were collected in 2025. Timing of each convoy proved difficult due to logistical constraints, so data could only be collected for nine convoys. Convoy data will be included in future analyses once a additional data points are available to allow for modelling.

Full results of the caribou behaviour monitoring program are presented in Appendix J.

17.2.4 Management Recommendations

The updates applied in 2024 and in previous years to the survey protocol and analysis and were helpful in improving the overall quality and accuracy of the data. Even with the changes to the protocol, the trends in the results were highly consistent between the six years of data. This increases the confidence that trends are repeatable year to year. Overall, the results of the statistical analysis did not provide support for the key hypothesis that caribou tend to respond to disturbances more strongly when closer to the road, though they do respond to disturbances.

17.3 Caribou Migration Studies

17.3.1 Overview of 2025 Migration Studies

In advance of the 2024 spring migration, Agnico Eagle and the TAG initiated a pilot program to implement road closures in protection of lead caribou groups migrating through the Mine (Agnico Eagle 2023). The primary objective of the lead caribou pilot program was to protect lead caribou and allow the “Qiviqait” to pass through the Mine area with minimized disturbance, which could consequently facilitate the migration of trailing caribou (i.e., subsequent herds) through the Mine area. During the 2024 and 2025 spring migration, lead caribou road closures were implemented for both the AWAR and WTHR. Following the first year of the pilot program, exploratory analyses of collared caribou data and road survey data were completed (WSP 2025b). The objectives of the analyses were to determine if the movement patterns differed during the lead caribou mitigation year compared to previous years, and to determine if speed and duration of migration through the AWAR and WTHR differed during lead caribou mitigation years compared to previous years.

Following the second year of the pilot program, analyses of collared caribou data and road survey data were updated to include 2025 spring migration data. Data from 2024 and 2025 monitoring do not support that the road closures applied during the lead caribou pilot program resulted in caribou moving faster during migration through the Mine area. The duration of 2024 spring migration was similar to prior years, and the duration of 2025 spring migration was longer than previous years. Spring migration in 2024 and 2025 may not have been faster than previous years if migration in previous years was also influenced by GST road closures. Because GST mitigation is designed to protect at least 75% of caribou encountering the Mine area, it is likely that most caribou encountering the AWAR and WHTR in 2024 and 2025 were already under the protection of the GST and the additional pilot program did not result in any discernable change in migration speed or duration. Irrespective of year, the first collared caribou interacting with Mine roads usually encountered closed roads. If this also occurred for lead caribou groups, then prior year road closures may have also facilitated road crossings. This possibility is emphasized by similar speeds through the study area during Mine operations and during baseline years. Instead, habitat features, physiological factors, immediate social cues, predator harassment, or climate factors may have stronger influences on movement patterns (Guttal and Couzin 2010; Alerstam and Bäckman 2018; Gurarie et al. 2019; Mallory et al. 2020). Full results of this assessment are presented in Appendix K.

17.3.2 Management Recommendations

The caribou herds that migrate through the Mine area are of cultural significance and conservation concern to local Indigenous communities. In addition, a swift and unimpeded migration benefits Mine operations by minimizing periods of reduced mining activity. The lead caribou pilot program (Agnico Eagle 2024) is a successful example of collaboration between development operators, communities, and government. Community-integrated science should be a continuous process (Israel et al. 1998; Lambert et al. 2024) and programs such as the pilot program should be managed adaptively and flexibly from the outset. Although the first two years of the lead caribou pilot program have relatively small sample sizes and, thus, some challenges in assessing how caribou respond to the lead caribou program, ongoing collaboration among local Inuit community organizations, government, and Agnico Eagle should continue.

18 SUMMARY

The 2025 Annual Report describes the data collected to date from the various monitoring programs associated with the TEMP version 9 (Agnico Eagle 2025a). The 2025 Annual Report describes natural and Project-related effects on wildlife populations and plant communities occurring near the Project.

In 2025, monitoring efforts focused on areas immediately around the Meadowbank Mine and Whale Tail Mine sites, along the AWAR and the WTHR. Surveying and monitoring efforts focused on evaluating current habitat losses, monitoring nesting success of raptors and monitoring and managing wildlife presence, particularly caribou, near the Project facilities and infrastructure. A summary of potential Project effects, threshold levels and the 2025 monitoring results is provided in Table 18-1.

18.1 Accuracy of Impact Predictions

Table 18-1: Potential Project Effects, Thresholds and Results of Monitoring in 2025

Potential Effect	Thresholds	Monitoring Methods	Frequency	Completed in 2025	Threshold Exceeded (2025)
Vegetation (Wildlife Habitat)					
Habitat Loss (Compared to Permitted Areas)	Meadowbank = 1,534 ha AWAR = 455 ha Whale Tail = 1,574 ha Threshold is >5% habitat loss of permitted area	Ground Surveys; Mapping and GIS analyses – ELC habitat mapping	Every three years	NO; Next assessment in 2027	Not Assessed
Habitat Reclamation following Mine Closure	N/A	Ground Surveys; Mapping and GIS analyses – ELC habitat mapping	At Year 2 post-closure and every 3 years until Year 12 post-closure	NO	N/A
Ungulates					
Habitat Loss and Degradation (Compared to Permitted Areas)	Meadowbank: Growing = 34 ha Winter = 664 ha AWAR Growing = 34 ha Winter = 107 ha Whale Tail + WTHR: Growing = 58 ha Winter = 1,116 ha	Ground Surveys; Mapping and GIS analyses – ELC habitat mapping	Every three years	NO; Next assessment will be completed in 2027	N/A
Sensory Disturbance	No threshold but Decisions Trees followed when caribou are seen near mine facilities	AWAR, Vault Haul Road, and WTHR surveys; Satellite-collaring data; Daily and weekly pit and Mine-site ground surveys; Incidental wildlife reporting	Daily / weekly	YES; Multiple road closures and notices, good engagement of Wildlife Log by site staff. Use of Decision Tree for Management and Monitoring.	N/A

Table 18-1: Potential Project Effects, Thresholds and Results of Monitoring in 2025

Potential Effect	Thresholds	Monitoring Methods	Frequency	Completed in 2025	Threshold Exceeded (2025)
Project-related Mortality - Vehicle Collisions	Two individuals (cumulative across Project)	AWAR and WTHR surveys; daily and weekly pit and Mine-site ground surveys; collision reporting system	Mine site – Daily AWAR, and WTHR – weekly, increasing up to every two days as per triggers (TEMP version 9)	YES	NO; There was one caribou mortality on the WTHR in 2025
Hunting by Baker Lake Residents	20% Change in Harvest Patterns in RSA from Historic	Hunter Harvest Study	Yearly	YES	NO
Other Project-related Mortality	Two individuals (cumulative across Project)	Daily and weekly pit and Mine-site ground surveys; collision reporting system	Daily	YES	NO
Predatory Mammals					
Disturbance to denning predators	One den failure.	Den site surveys	As required	YES	NO
Project-related Mortality	Two individuals (cumulative across Project)	AWAR and WTHR surveys; daily and weekly pit and Mine-site ground surveys; collision reporting system	Mine site – Daily AWAR, and WTHR – weekly, increasing up to every two days as per triggers (TEMP version 9)	YES	YES; 3 Arctic wolves were euthanized in 2025 due to habituation and health and safety concerns.
Raptors					
Disturbance of Nesting Raptors	One nest failure	Daily and weekly pit and Mine-site ground surveys; Incidental wildlife reporting; Dedicated raptor nest surveys; AWAR, Vault Haul Road, and WTHR surveys	Nests within 200 m - daily Nests from 200 to 1,000 m - weekly	YES	NO
Project-related Mortality	One individual (cumulative across Project)	AWAR, Vault Haul Road, and WTHR surveys; Daily and weekly pit and Mine-site ground surveys; Collision reporting system	Mine site – Daily AWAR, and WTHR – weekly, increasing up to every two days as per triggers (TEMP version 9)	YES	NO

Table 18-1: Potential Project Effects, Thresholds and Results of Monitoring in 2025

Potential Effect	Thresholds	Monitoring Methods	Frequency	Completed in 2025	Threshold Exceeded (2025)
Waterbirds					
Disturbance of Nesting Waterfowl	One nest failure	Daily and weekly pit and Mine-site ground surveys	Yearly - for active nests within 200 m	YES	NO
Project-related Mortality	One individual (cumulative across Project)	AWAR, Vault Haul Road, and WTHR surveys; Collision reporting system	Mine site – Daily AWAR, and WTHR – weekly, increasing up to every two days as per triggers (TEMP version 9)	YES	NO
Other Breeding Birds					
Changes in Breeding Bird Populations	N/A	PRISM Plots and Breeding Bird Surveys	PRISM – 48 PRISM sites over ten years (2021 to 2031) Breeding Bird Surveys – at minimum every three years	YES	N/A

AWAR = All-Weather Access Road, ELC = Ecological Land Classification, GIS = geographic information systems, ha = hectares, N/A = not applicable, RSA = Regional Study Area, WTHR = Whale Tail Haul Road.

19 CLOSURE

We trust the above meets your present requirements. If you have any questions or require additional information, please do not hesitate to contact the undersigned.

WSP Canada Inc.

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APPENDIX A

Wildlife Database

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-01-03	Yes	Muskox	9	Foraging	N/A	200	96	Both	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-01-03	Yes	Muskox	11	Foraging	N/A	700	89	West	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-01-11	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-01-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-01-15	Yes	Wolf	1	Walking	SE	900	105	East	No	-96.08773	65.03413	N/A	N/A	No	Not Exceeded	N/A
Road	2025-01-15	Yes	Muskox	9	Foraging	N/A	1500	105	East	No	-96.08773	65.03413	N/A	N/A	No	Not Exceeded	N/A
Road	2025-01-15	Yes	Muskox	9	Foraging	N/A	200	96	East	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-01-15	Yes	Muskox	4	Foraging	N/A	300	92	East	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-01-15	Yes	Ptarmigan	1	Dead	N/A	0	18	West	Yes	-96.08240	64.46103	N/A	Project related	No	Not Exceeded	N/A
Incidental	2025-01-15	Yes	Muskox	5	Foraging	N/A	3000	26	West	No	-96.16146	64.52353	N/A	N/A	No	Not Exceeded	N/A
Road	2025-01-20	Yes	Muskox	8	Foraging	N/A	600	95	East	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Road	2025-01-20	Yes	Muskox	4	Resting	N/A	150	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-20	Yes	Muskox	1	Lying Down	N/A	150	5	West	No	-95.99998	64.35657	N/A	N/A	No	Not Exceeded	N/A
Road	2025-01-25	Yes	Caribou	9	Walking	NW	650	26	West	No	-96.16146	64.52353	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-02	Yes	Caribou	4	Foraging	N/A	400	106	East	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-02	Yes	Caribou	4	Lying Down	N/A	600	105	East	No	-96.08773	65.03413	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-02	Yes	Muskox	95	Lying Down	N/A	400	90	West	No	-96.22208	64.97501	N/A	N/A	No	Exceeded!!	Road closed due to weather
Road	2025-02-07	Yes	Caribou	8	Foraging	N/A	600	104	East	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-07	Yes	Caribou	11	Foraging	N/A	800	96	East	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-07	Yes	Wolf	9	Resting	N/A	600	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-07	Yes	Muskox	41	Walking	E	5	91	Both	Yes	-96.22486	64.98469	N/A	N/A	No	Exceeded!!	Speed restriction in place
Road	2025-02-07	Yes	Muskox	40	Foraging	N/A	500	13	West	No	-96.03681	64.42344	N/A	N/A	No	Exceeded!!	Speed restriction
Road	2025-02-11	Yes	Muskox	9	Lying Down	N/A	500	91	East	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-02-11	Yes	Arctic fox	1	Walking	E	50	65	East	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-11	Yes	Caribou	4	Walking	N	500	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-14	Yes	Arctic fox	1	Walking	NW	1	98	Both	Yes	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-14	Yes	Muskox	10	Foraging	N/A	300	91	East	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-14	Yes	Muskox	1	Foraging	N/A	400	5	East	No	-95.99998	64.35657	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-14	Yes	Arctic fox	1	Running	W	1	82	East	Yes	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-15	Yes	Muskox	9	Resting	N/A	450	91	East	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-02-21	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-02-21	Yes	Muskox	17	Lying Down	N/A	1500	92	East	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Speed restriction taken place
Incidental	2025-02-21	Yes	Caribou	13	Walking	W	600	45	West	No	-96.31336	64.65243	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-27	Yes	Common raven	15	Alert	N	10	10	Both	No	-96.01786	64.39710	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-07	Yes	Caribou	2	Standing	N/A	200	106	East	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-07	Yes	Caribou	14	Walking	N	800	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-07	Yes	Muskox	1	Lying Down	N/A	50	5	East	No	-95.99998	64.35657	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-20	Yes	Arctic fox	1	Walking	W	100	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-20	Yes	Arctic fox	1	Running	N/A	50	55	West	No	-96.34597	64.71855	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-20	Yes	Muskox	3	Foraging	N/A	150	90	East	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-21	Yes	Muskox	18	Resting	N/A	1500	93	East	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Speed restriction applied
Road	2025-03-21	Yes	Muskox	3	Lying Down	N/A	800	90	East	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-03-21	Yes	Muskox	1	Lying Down	N/A	600	5	East	No	-95.99998	64.35657	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-03-21	Yes	Caribou	13	Walking	NE	1500	61	West	N/A	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-03-24	Yes	Caribou	4	Foraging	N/A	2500	103	East	N/A	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-25	Yes	Muskox	19	Foraging	N/A	1500	92	East	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Group further than 500m
Incidental	2025-03-25	Yes	Arctic fox	1	Walking	N/A	300	21	East	No	-96.10450	64.48693	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-03-25	Yes	Caribou	13	Walking	NE	2000	58	West	N/A	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-03-29	Yes	Muskox	20	Not recorded	N/A	400	92	East	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Speed Restriction
Road	2025-03-30	Yes	Muskox	20	Foraging	N/A	300	92	East	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Speed Restriction
Road	2025-03-30	Yes	Muskox	35	Foraging	N/A	1500	92	West	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-03-30	Yes	Muskox	1	Lying Down	N/A	100	5	East	No	-95.99998	64.35657	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-31	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-04-02	Yes	Caribou	62	Lying Down	W	750	93	West	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road shut and escort system introduced for vehicles on road currently
Road	2025-04-02	Yes	Caribou	24	Running	S	200	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-02	Yes	Caribou	8	Walking	N	1200	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-02	Yes	Caribou	78	Foraging	N/A	80	85	West	No	-96.26143	64.93886	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-02	Yes	Caribou	20	Foraging	N/A	300	88	West	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-02	Yes	Caribou	42	Foraging	N/A	1000	95	West	No	-96.19522	65.01286	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-03	Yes	Caribou	20	Walking	NW	800	97	West	No	-96.17115	65.02594	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-03	Yes	Caribou	14	Running	SW	500	88	West	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-03	Yes	Caribou	4	Walking	S	1000	44	West	No	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-03	Yes	Wolf	1	Alert	S	0	102	East	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-04	Yes	Caribou	12	Lying Down	N/A	1000	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-04	Yes	Caribou	20	Walking	N	600	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-04	Yes	Muskox	57	Lying Down	N/A	2000	38	West	No	-96.27582	64.59073	N/A	N/A	No	Exceeded!!	Group further than 500m
Incidental	2025-04-04	Yes	Caribou	8	Walking	S	700	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-04	Yes	Caribou	3	Feeding	N/A	300	106	East	N/A	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-04	Yes	Caribou	23	Not recorded	N/A	200	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-04	Yes	Caribou	15	Not recorded	Not Recorded	500	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-04	Yes	Caribou	3	Foraging	E	300	98	West	No	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-04	Yes	Caribou	26	Feeding	SW	200	94	East	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-05	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-04-05	Yes	Muskox	12	Lying Down	N/A	1500	92	East	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-05	Yes	Muskox	32	Lying Down	N/A	2500	93	West	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-04-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-04-07	Yes	Muskox	9	Courting	N/A	100	96	East	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-07	Yes	Muskox	9	Standing	N/A	100	93	East	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-04-07	Yes	Caribou	17	Walking	N	1500	58	West	No	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-07	Yes	Caribou	6	Walking	S	250	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-07	Yes	Caribou	48	Feeding	N/A	200	101	West	No	-96.14029	65.05669	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-07	Yes	Caribou	17	Walking	N	1500	59	West	No	-96.37059	64.74953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-08	Yes	Caribou	142	Feeding	N/A	50	94	West	No	-96.21269	65.00751	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-08	Yes	Caribou	4	Walking	NE	700	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-08	Yes	Caribou	82	Feeding	NE	300	97	West	No	-96.17115	65.02594	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-08	Yes	Caribou	4	Feeding	N/A	300	106	South	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-09	Yes	Caribou	23	Walking	NW	50	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-09	Yes	Caribou	9	Feeding	N/A	500	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-09	Yes	Muskox	11	Lying Down	N/A	50	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-09	Yes	Caribou	84	Resting	N/A	700	89	West	No	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-09	Yes	Caribou	46	Feeding	N/A	200	82	West	No	-96.31204	64.93060	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-09	Yes	Caribou	55	Feeding	N/A	1200	81	East	No	-96.30208	64.92518	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-09	Yes	Caribou	19	Feeding	N/A	900	80	West	No	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-09	Yes	Caribou	25	Feeding	N/A	2000	76	West	No	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-09	Yes	Caribou	30	Walking	S	1500	68	West	No	-96.32681	64.82032	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-09	Yes	Caribou	8	Feeding	N/A	800	64	West	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-09	Yes	Caribou	21	Trotting/running	NW	1000	57	West	No	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-09	Yes	Caribou	26	Feeding	N/A	1000	58	West	No	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-09	Yes	Muskox	11	Feeding	N/A	250	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-09	Yes	Caribou	33	Trotting/running	W	500	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-09	Yes	Caribou	210	Lying Down	N/A	1000	91	West	No	-96.22486	64.98469	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-09	Yes	Caribou	47	Feeding	N/A	200	98	West	No	-96.15765	65.03248	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-10	Yes	Caribou	32	Feeding	N/A	50	98	West	No	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Caribou	142	Feeding	N/A	1200	95	West	No	-96.19522	65.01286	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-10	Yes	Muskox	8	Lying Down	N/A	150	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Caribou	1	Alert	NE	125	96	East	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Caribou	18	Feeding	N/A	400	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Caribou	1	Walking	W	1000	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Caribou	52	Feeding	N/A	50	50	West	No	-96.37310	64.67942	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-10	Yes	Arctic fox	2	Standing	N/A	0	47	West	No	-96.34656	64.65799	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-10	Yes	Caribou	8	Feeding	S	400	98	West	No	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-10	Yes	Caribou	50	Feeding	N	800	101	West	No	-96.14029	65.05669	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-11	Yes	Muskox	9	Feeding	N/A	50	95	West	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-11	Yes	Caribou	10	Walking	NW	900	78	West	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-11	Yes	Caribou	13	Walking	W	700	75	West	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-11	Yes	Caribou	27	Foraging	N/A	400	59	West	No	-96.37059	64.74953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-11	Yes	Arctic fox	1	Lying Down	N/A	10	47	East	No	-96.34656	64.65799	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-11	Yes	Caribou	28	Foraging	N/A	1500	57	West	No	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-12	Yes	Caribou	4	Walking	S	1500	97	West	No	-96.17115	65.02594	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	25	Walking	W	1500	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-13	Yes	Arctic fox	1	Walking	E	0	57	East	No	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-13	Yes	Arctic fox	1	Resting	Not Recorded	3	46	East	No	-96.32957	64.65622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-13	Yes	Arctic fox	2	Resting	Not Recorded	2	43	West	No	-96.30070	64.63477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-13	Yes	Caribou	29	Walking	N	200	101	West	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-13	Yes	Muskox	24	Standing	N/A	1200	92	East	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Group further than 500m
Incidental	2025-04-13	Yes	Muskox	8	Standing	Not Recorded	750	38	East	No	-96.27582	64.59073	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-13	Yes	Muskox	28	Resting	Not Recorded	1500	93	East	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-04-14	Yes	Arctic fox	1	Running	W	50	11	West	Yes	-96.02386	64.40539	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-14	Yes	Caribou	2	Walking	S	1000	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-15	Yes	Muskox	17	Feeding	Not Recorded	30	94	Both	No	-96.21269	65.00751	N/A	N/A	No	Exceeded!!	Speed restriction applied km 93-95, 20kmh
Incidental	2025-04-15	Yes	Caribou	37	Not recorded	Not Recorded	N/A	82	West	N/A	-96.31204	64.93060	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-04-15	Yes	Caribou	29	Feeding	Not Recorded	2000	88	West	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-15	Yes	Caribou	32	Walking	NW	1000	88	West	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-16	Yes	Arctic fox	2	Walking	N	10	102	West	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-16	Yes	Muskox	9	Foraging	N/A	50	94	East	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-17	Yes	Arctic fox	1	Walking	NW	1	57	East	Yes	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-17	Yes	Arctic fox	2	Resting	N/A	0	43	West	No	-96.30070	64.63477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-17	Yes	Caribou	8	Foraging	N/A	500	30	West	No	-96.19577	64.55431	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-17	Yes	Caribou	300	Not recorded	Not Recorded	650	83	N/A	N/A	-96.30111	64.93500	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-04-18	Yes	Caribou	283	Foraging	N/A	650	89	West	N/A	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road is closed.
Road	2025-04-18	Yes	Arctic fox	1	Running	NW	1	62	West	Yes	-96.34440	64.77373	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-18	Yes	Caribou	2	Foraging	N/A	1000	38	West	No	-96.27582	64.59073	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-18	Yes	Caribou	3	Walking	NW	400	58	West	No	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-18	Yes	Caribou	20	Walking	N	550	83	West	N/A	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-18	Yes	Caribou	230	Walking	NE	200	89	West	Yes	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road is closed due to caribou migration.
Incidental	2025-04-18	Yes	Muskox	16	Foraging	N/A	500	93	East	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-04-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-04-21	Yes	Caribou	15	Foraging	N/A	500	72	West	N/A	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-21	Yes	Caribou	154	Foraging	N/A	600	75	West	N/A	-96.33614	64.87946	N/A	N/A	No	Exceeded!!	Road closed.
Incidental	2025-04-21	Yes	Caribou	38	Not recorded	Not Recorded	N/A	63	N/A	N/A	-96.34437	64.77932	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-04-21	Yes	Caribou	120	Not recorded	Not Recorded	N/A	75	N/A	N/A	-96.33614	64.87946	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-04-22	Yes	Caribou	284	Walking	SE	550	92	West	N/A	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-22	Yes	Caribou	327	Foraging	N/A	600	89	West	N/A	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-22	Yes	Caribou	32	Walking	E	800	79	West	N/A	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-22	Yes	Caribou	64	Lying Down	N/A	500	74	West	N/A	-96.33028	64.87523	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-22	Yes	Caribou	133	Foraging	N/A	1000	72	West	N/A	-96.32384	64.85386	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-22	Yes	Caribou	57	Foraging	N/A	600	69	West	N/A	-96.31427	64.82772	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-22	Yes	Caribou	64	Walking	NW	600	77	West	N/A	-96.33908	64.89511	N/A	N/A	No	Exceeded!!	Road closed

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-04-22	Yes	Caribou	150	Foraging	NE	400	93	West	N/A	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-22	Yes	Caribou	2000	Not recorded	Not Recorded	500	89	N/A	N/A	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-04-23	Yes	Caribou	43	Walking	N	650	97	West	No	-96.17115	65.02594	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-23	Yes	Caribou	89	Lying Down	N/A	500	96	West	N/A	-96.18089	65.01810	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-23	Yes	Caribou	3	Foraging	N/A	400	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-23	Yes	Caribou	103	Foraging	N/A	300	93	West	N/A	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-23	Yes	Caribou	2000	Not recorded	Not Recorded	N/A	93 - 99	N/A	N/A	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-04-24	Yes	Caribou	200	Foraging	N/A	1000	101	West	No	-96.14029	65.05669	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-24	Yes	Caribou	650	Foraging	N/A	500	97	West	No	-96.17115	65.02594	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-24	Yes	Caribou	75	Foraging	N/A	500	95	West	No	-96.19522	65.01286	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-24	Yes	Caribou	45	Foraging	N/A	300	92	West	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-24	Yes	Muskox	15	Foraging	N/A	750	91	East	No	-96.22486	64.98469	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-24	Yes	Arctic fox	2	Walking	E	500	69	East	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-24	Yes	Caribou	15	Lying Down	N/A	300	47	West	No	-96.34656	64.65799	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-24	Yes	Caribou	56	Walking	N	1000	89	West	No	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-25	Yes	Caribou	90	Walking	N	1500	102	West	No	-96.12783	65.05170	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-25	Yes	Caribou	7	Walking	N	800	95	West	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-25	Yes	Caribou	40	Lying Down	N/A	1000	93	West	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-25	Yes	Caribou	22	Walking	N	1000	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-25	Yes	Muskox	12	Lying Down	N/A	150	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-25	Yes	Muskox	9	Standing	N/A	400	93	East	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-25	Yes	Muskox	27	Standing	N/A	500	92	East	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-25	Yes	Muskox	23	Feeding	N/A	50	72	West	No	-96.32384	64.85386	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-26	Yes	Caribou	22	Feeding	N/A	700	90	West	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-27	Yes	Arctic hare	4	Alert	Not Recorded	50	97	East	N/A	-96.17115	65.02594	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-27	Yes	Caribou	68	Walking	E	300	96	West	No	-96.18089	65.01810	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-04-27	Yes	Caribou	5	Not recorded	Not Recorded	200	70	West	N/A	-96.31652	64.83649	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Caribou	334	Feeding	N/A	400	95	West	No	-96.19522	65.01286	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-28	Yes	Caribou	35	Feeding	N/A	200	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Muskox	38	Lying Down	N/A	1000	93	West	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-28	Yes	Caribou	17	Feeding	N/A	900	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-28	Yes	Muskox	48	Lying Down	N/A	2000	41	West	No	-96.28113	64.62028	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-28	Yes	Caribou	57	Walking	W	2000	83	West	No	-96.30111	64.93500	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-28	Yes	Caribou	21	Walking	S	3000	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-28	Yes	Caribou	482	Feeding	N/A	5	94	West	No	-96.21269	65.00751	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-28	Yes	Caribou	4	Feeding	N/A	700	104	East	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	209	Walking	N	200	98	West	No	-96.15765	65.03248	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-29	Yes	Caribou	78	Feeding	N	200	97	West	No	-96.17115	65.02594	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-29	Yes	Caribou	65	Feeding	N/A	200	94	West	No	-96.21269	65.00751	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-29	Yes	Caribou	63	Walking	N	700	93	East	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-29	Yes	Caribou	17	Lying Down	N/A	50	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	879	Walking	E	0	89	West,East	Yes	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-29	Yes	Caribou	55	Walking	E	1000	89	West	No	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-29	Yes	Caribou	90	Feeding	N/A	1800	93	West	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-29	Yes	Caribou	543	Feeding	N/A	2000	92	West	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-29	Yes	Caribou	142	Lying Down	N/A	700	87	West	No	-96.24102	64.95420	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-01	Yes	Caribou	378	Lying Down	NE	700	97	West	No	-96.17115	65.02594	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-05-01	Yes	Caribou	5	Feeding	N/A	700	105	West	No	-96.08773	65.03413	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-01	Yes	Caribou	137	Lying Down	N/A	1200	137	West	No	-96.24150	65.21944	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-01	Yes	Caribou	55	Walking	N	1300	87	West	No	-96.24102	64.95420	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-01	Yes	Caribou	69	Walking	N	2000	86	West	No	-96.25280	64.94684	N/A	N/A	No	Exceeded!!	Road. Closed
Incidental	2025-05-01	Yes	Caribou	20	Feeding	N/A	500	69	West	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-01	Yes	Muskox	50	Lying Down	N/A	2500	41	West	No	-96.28113	64.62028	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-01	Yes	Caribou	50	Feeding	N/A	1200	85	East	No	-96.26143	64.93886	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-01	Yes	Caribou	11	Walking	N	2500	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-01	Yes	Muskox	5	Standing	N/A	1200	94	East	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-01	Yes	Caribou	6	Feeding	N/A	200	106	West	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-02	Yes	Muskox	17	Lying Down	N/A	3000	118	East	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-02	Yes	Muskox	5	Lying Down	N/A	800	93	East	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-02	Yes	Caribou	1	Walking	SW	300	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-02	Yes	Caribou	138	Lying Down	N/A	700	89	West	No	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Caribou	63	Lying Down	N/A	3000	88	West	No	-96.22060	64.95809	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Caribou	74	Lying Down	N/A	1200	87	West	No	-96.24102	64.95420	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Caribou	12	Lying Down	N/A	500	87	East	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-02	Yes	Caribou	3	Walking	S	1200	58	West	No	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-02	Yes	Muskox	58	Lying Down	N/A	1800	43	West	No	-96.30070	64.63477	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Muskox	56	Lying Down	N/A	2500	43	West	No	-96.30070	64.63477	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	2	Walking	S	300	67	West	No	-96.32620	64.81233	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	187	Standing	N/A	3000	87	West	No	-96.24102	64.95420	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	189	Lying Down	N/A	2000	89	West	No	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Muskox	17	Lying Down	N/A	500	93	East	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Caribou	240	Resting	N/A	300	96	West	No	-96.18089	65.01810	N/A	N/A	No	Exceeded!!	Road remains closed
Road	2025-05-03	Yes	Caribou	58	Walking	S	200	70	West	No	-96.31652	64.83649	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-03	Yes	Muskox	48	Resting	N/A	1200	37	West	No	-96.26900	64.58416	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-03	Yes	Caribou	36	Walking	S	1500	74	West	No	-96.33028	64.87523	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-03	Yes	Muskox	14	Resting	N/A	150	91	East	No	-96.22486	64.98469	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-03	Yes	Caribou	671	Lying Down	N/A	400	96	West	No	-96.18089	65.01810	N/A	N/A	No	Exceeded!!	Road remains closed
Road	2025-05-04	Yes	Caribou	48	Feeding	N/A	400	97	West	No	-96.17115	65.02594	N/A	N/A	No	Exceeded!!	Road remains closed
Road	2025-05-04	Yes	Caribou	410	Resting	N/A	500	98	West	No	-96.15765	65.03248	N/A	N/A	No	Exceeded!!	Road remain closed
Road	2025-05-04	Yes	Muskox	14	Resting	N/A	300	97	East	No	-96.17115	65.02594	N/A	N/A	No	Exceeded!!	Road remains closed

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-04	Yes	Caribou	61	Running	S	1500	93	West	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road remains closed
Road	2025-05-04	Yes	Caribou	164	Walking	S	300	92	West	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Road remains closed
Road	2025-05-04	Yes	Muskox	13	Walking	S	50	90	East	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	82	Resting	N/A	100	78	West	No	-96.32437	64.90319	N/A	N/A	No	Exceeded!!	Road remins closed
Road	2025-05-04	Yes	Caribou	42	Walking	S	300	72	West	No	-96.32384	64.85386	N/A	N/A	No	Exceeded!!	Road remains closed
Road	2025-05-04	Yes	Caribou	48	Walking	S	300	71	West	No	-96.31970	64.84471	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-04	Yes	Muskox	14	Resting	N/A	1500	37	West	No	-96.26900	64.58416	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-04	Yes	Caribou	13	Walking	S	50	90	West	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Muskox	4	Foraging	N/A	150	90	East	N/A	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	850	Lying Down	N/A	0	96	West	Yes	-96.18089	65.01810	N/A	N/A	No	Exceeded!!	Road remains closed
Road	2025-05-05	Yes	Caribou	28	Walking	N	500	101	West	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Caribou	5	Foraging	N/A	75	100	West	No	-96.14649	65.04884	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Muskox	13	Resting	N/A	500	100	East	No	-96.14649	65.04884	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Wolverine	1	Running	S	75	98	West	No	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Caribou	236	Walking	E	0	96	Both	Yes	-96.18089	65.01810	N/A	N/A	No	Exceeded!!	Road remains closed
Road	2025-05-05	Yes	Caribou	48	Resting	N/A	100	92	West	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Road remains closed
Road	2025-05-05	Yes	Muskox	5	Lying Down	N/A	300	91	East	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Muskox	2	Lying Down	N/A	20	89	East	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Caribou	61	Walking	S	1500	93	West	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-05	Yes	Caribou	66	Resting	N/A	1000	98	West	No	-96.15765	65.03248	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-05	Yes	Caribou	80	Feeding	N/A	4000	103	West	No	-96.11079	65.04890	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-05	Yes	Caribou	6	Walking	W	1500	104	West	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-05	Yes	Muskox	4	Resting	N/A	75	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-05	Yes	Caribou	53	Walking	S	1000	103	West	No	-96.11079	65.04890	N/A	N/A	No	Exceeded!!	Road remains closed
Road	2025-05-06	Yes	Caribou	5	Feeding	N/A	50	98	West	No	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-06	Yes	Caribou	3	Walking	N	3000	95	West	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-06	Yes	Muskox	4	Standing	N/A	25	92	East	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Muskox	11	Standing	N/A	1000	95	East	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Muskox	4	Feeding	E	0	91	Both	Yes	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Muskox	11	Feeding	N/A	800	90	East	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Wolverine	1	Trotting/running	S	600	74	West	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Muskox	50	Lying Down	W	2500	37	West	No	-96.26900	64.58416	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-07	Yes	Caribou	41	Feeding	N/A	1500	89	West	No	-96.21956	64.96744	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-07	Yes	Caribou	5	Feeding	N/A	25	99	East	No	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-08	Yes	Caribou	6	Feeding	N/A	1200	106	East	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-08	Yes	Muskox	11	Standing	N/A	2000	89	East	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-09	Yes	Caribou	6	Walking	S	750	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-09	Yes	Caribou	8	Walking	S	750	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-10	Yes	Muskox	16	Resting	N/A	200	90	East	No	-96.22208	64.97501	N/A	N/A	No	Exceeded!!	Speed restriction implemented
Road	2025-05-10	Yes	Muskox	37	Resting	N/A	3000	38	West	No	-96.27582	64.59073	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-05-11	Yes	Muskox	16	Resting	N/A	150	90	East	No	-96.22208	64.97501	N/A	N/A	No	Exceeded!!	Road Closed. Speed restriction km 89-91
Road	2025-05-11	Yes	Caribou	82	Walking	NW	1500	88	West	No	-96.22060	64.95809	N/A	N/A	No	Exceeded!!	Road closed, escort system in place
Road	2025-05-11	Yes	Caribou	23	Walking	NE	700	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-11	Yes	Caribou	12	Walking	S	700	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-11	Yes	Caribou	7	Trotting/running	W	500	79	West	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-11	Yes	Caribou	108	Walking	N	1000	88	West	No	-96.22060	64.95809	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-11	Yes	Caribou	25	Walking	N	1000	88	West	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Caribou	5	Foraging	N/A	500	87	East	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Muskox	10	Foraging	N/A	150	90	East	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Caribou	27	Walking	S	1200	90	West	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Caribou	16	Trotting/running	N	800	95	West	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-12	Yes	Caribou	21	Walking	S	800	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-12	Yes	Caribou	35	Walking	W	500	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-12	Yes	Muskox	10	Resting	N/A	800	91	East	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-12	Yes	Caribou	12	Feeding	N/A	2000	61	West	No	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-13	Yes	Caribou	8	Lying Down	N/A	1500	88	East	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-13	Yes	Caribou	13	Walking	W	2000	80	West	No	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-13	Yes	Caribou	13	Resting	N/A	2000	58	West	No	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-13	Yes	Caribou	10	Walking	SW	500	90	West	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-13	Yes	Caribou	1	Walking	S	800	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-14	Yes	Caribou	3	Walking	NW	1000	89	West	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-14	Yes	Muskox	10	Lying Down	N/A	400	79	East	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Sandhill crane	2	Flying	W	0	13	West	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Muskox	11	Standing	S	500	77	East	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Caribou	3	Trotting/running	S	1000	78	West	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Caribou	40	Walking	W	1000	93	West	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road will be closed
Road	2025-05-15	Yes	Muskox	12	Resting	N/A	300	92	East	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-15	Yes	Caribou	47	Lying Down	N/A	800	55	West	No	-96.34597	64.71855	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-15	Yes	Caribou	4	Walking	SW	500	104	West	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-15	Yes	Caribou	12	Foraging	N/A	750	106	West	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-15	Yes	Caribou	43	Lying Down	N/A	800	55	West	No	-96.34597	64.71855	N/A	N/A	No	Exceeded!!	Road was closed, and daily ride vans were escorted by HTO
Road	2025-05-16	Yes	Arctic fox	1	Running	S	0	106	East	Yes	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-16	Yes	Caribou	5	Foraging	N/A	50	103	East	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-16	Yes	Muskox	8	Lying Down	N/A	100	92	East	N/A	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-16	Yes	Caribou	3	Walking	S	500	92	West	N/A	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-16	Yes	Sandhill crane	2	Walking	E	100	80	East	No	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-16	Yes	Arctic hare	1	Walking	E	5	79	East	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-16	Yes	Muskox	20	Lying Down	N/A	100	62	East	No	-96.34440	64.77373	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-16	Yes	Arctic fox	3	Walking	W	0	57	Both	Yes	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-16	Yes	Caribou	8	Foraging	N/A	500	48	West	N/A	-96.36878	64.66417	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-11	Yes	Muskox	16	Resting	N/A	150	90	East	No	-96.22208	64.97501	N/A	N/A	No	Exceeded!!	Road Closed. Speed restriction km 89-91

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-16	Yes	Snow goose	4	Flying	E	100	35	East	No	-96.24426	64.57386	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-16	Yes	Common raven	2	Resting	N/A	0	9	Both	No	-96.01430	64.38902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-16	Yes	Caribou	28	Walking	S	500	41	West	No	-96.28113	64.62028	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-16	Yes	Wolf	2	Walking	S	1000	50	West	No	-96.37310	64.67942	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-16	Yes	Caribou	15	Walking	S	500	63	West	No	-96.34437	64.77932	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-16	Yes	Muskox	1	Walking	N/A	150	64	East	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-16	Yes	Gyrfalcon	1	Flying	N	200	69	East	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-16	Yes	Caribou	40	Walking	NE	750	101	West	No	-96.14029	65.05669	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-17	Yes	Caribou	5	Foraging	N/A	300	102	East	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-17	Yes	Caribou	44	Walking	N	500	97	West	No	-96.17115	65.02594	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-17	Yes	Muskox	18	Lying Down	N/A	500	92	East	No	-96.22191	64.99435	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-05-17	Yes	Caribou	6	Walking	N	750	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-17	Yes	Muskox	20	Lying Down	N/A	750	71	East	No	-96.31970	64.84471	N/A	N/A	No	Exceeded!!	Group further than 500m
Incidental	2025-05-17	Yes	Sandhill crane	2	Walking	E	10	15	East	Yes	-96.05250	64.43981	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-17	Yes	Caribou	2	Walking	E	500	22	East	No	-96.11256	64.49350	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-18	Yes	Caribou	122	Lying Down	N/A	500	93	West	No	-96.22197	65.00077	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-18	Yes	Caribou	42	Resting	N/A	600	88	East	No	-96.22060	64.95809	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-18	Yes	Caribou	50	Walking	N	800	86	West	No	-96.25280	64.94684	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-18	Yes	Caribou	4	Foraging	N/A	50	102	East	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-18	Yes	Caribou	84	Foraging	N/A	50	96	West	No	-96.18089	65.01810	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-19	Yes	Caribou	4	Foraging	N/A	750	102	East	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Muskox	31	Foraging	N/A	500	95	East	No	-96.19522	65.01286	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-19	Yes	Caribou	42	Foraging	N/A	150	95	West	No	-96.19522	65.01286	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-19	Yes	Caribou	65	Foraging	N/A	500	94	West	No	-96.21269	65.00751	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-19	Yes	Caribou	19	Walking	S	1500	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Caribou	67	Walking	S	600	91	West	No	-96.22486	64.98469	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-19	Yes	Caribou	21	Foraging	N/A	250	90	West	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Sandhill crane	40	Standing	N/A	100	85	West	No	-96.26143	64.93886	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Sandhill crane	20	Flying	W	500	72	West	No	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Caribou	32	Lying Down	N/A	300	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Sandhill crane	4	Standing	N/A	0	37	Both	No	-96.26900	64.58416	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	1	Walking	S	500	73	West	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	8	Foraging	N/A	750	78	West	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	6	Standing	N/A	500	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	17	Foraging	N/A	300	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	18	Foraging	N/A	500	88	East	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	22	Lying Down	N/A	500	102	West	N/A	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Ptarmigan	3	Flying	W	0	91	West	Yes	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	7	Foraging	N/A	150	84	West	N/A	-96.28276	64.93660	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Ptarmigan	3	Flying	W	0	73	Both	Yes	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	10	Foraging	N/A	400	49	West	N/A	-96.37072	64.66880	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	2	Walking	E	300	43	West	No	-96.30070	64.63477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	43	Walking	S	200	42	West	No	-96.29490	64.62757	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-20	Yes	Siksik	2	Standing	N/A	0	30	West	No	-96.19577	64.55431	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Sandhill crane	2	Walking	W	100	30	West	No	-96.19577	64.55431	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Canada goose	1	Standing	N/A	100	17	West	No	-96.07705	64.45326	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	43	Walking	S	300	42	West	No	-96.29490	64.62757	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-20	Yes	Caribou	37	Walking	S	250	31	West	No	-96.19574	64.55426	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-20	Yes	Caribou	31	Walking	S	50	40	West	No	-96.28144	64.60429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	30	Walking	S	100	49	Both	No	-96.37072	64.66880	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	89	Walking	S	200	54	West	No	-96.35835	64.71319	N/A	N/A	No	Exceeded!!	Road close
Road	2025-05-20	Yes	Caribou	49	Walking	SW	300	67	West	No	-96.32620	64.81233	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-20	Yes	Caribou	19	Walking	S	500	71	West	No	-96.31970	64.84471	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	13	Standing	S	50	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	32	Walking	S	100	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	11	Walking	S	150	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Sandhill crane	3	Standing	N/A	50	17	East	No	-96.07705	64.45326	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	11	Standing	N/A	700	34	West	N/A	-96.24047	64.56875	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Sandhill crane	2	Standing	N/A	600	61	West	N/A	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Peregrine falcon	1	Flying	N/A	50	80	West	No	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	94	Foraging	N/A	300	86	West	No	-96.25280	64.94684	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-20	Yes	Caribou	11	Walking	W	50	88	West,East	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	3	Foraging	N/A	50	98	West	No	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	3	Lying Down	N/A	1500	102	East	N/A	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Arctic hare	1	Feeding	N/A	20	106	East	N/A	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	9	Foraging	N/A	50	104	East	N/A	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	14	Foraging	N/A	100	102	Both	N/A	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	25	Foraging	N/A	200	101	West	N/A	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	3	Standing	N/A	400	99	East	N/A	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	4	Walking	S	1000	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	11	Walking	S	400	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Snow goose	4	Flying	E	5	91	East	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Snow goose	9	Flying	E	0	90	East	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	6	Walking	W	500	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	8	Foraging	N/A	200	85	East	No	-96.26143	64.93886	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	7	Walking	W	500	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	4	Foraging	N/A	1000	79	East	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Peregrine falcon	2	Flying	N/A	20	79	West	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	20	Foraging	N/A	1000	75	West	N/A	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	41	Walking	S	600	71	West	No	-96.31970	64.84471	N/A	N/A	No	Exceeded!!	Road is closed

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-21	Yes	Caribou	46	Walking	S	1000	56	West	No	-96.35139	64.72588	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-21	Yes	Caribou	12	Standing	N/A	500	54	West	No	-96.35835	64.71319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	42	Walking	S	500	49	West	No	-96.37072	64.66880	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-21	Yes	Muskox	3	Lying Down	N/A	200	40	East	N/A	-96.28144	64.60429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Siksik	1	Standing	N/A	0	30	West	No	-96.19577	64.55431	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Sandhill crane	3	Standing	N/A	100	30	West	No	-96.19577	64.55431	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	10	Walking	E	500	13	East	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Sandhill crane	2	Standing	N/A	200	4	West	N/A	-95.99845	64.34605	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Siksik	1	Standing	N/A	0	29	West	No	-96.18125	64.54733	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Arctic fox	1	Standing	N/A	5	49	East	No	-96.37072	64.66880	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	35	Foraging	N/A	200	65	West	N/A	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	31	Walking	W	500	66	West	No	-96.33501	64.80451	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	9	Walking	N	500	70	West	No	-96.31652	64.83649	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	14	Foraging	N/A	1500	76	West	N/A	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	2	Walking	S	500	88	West	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	14	Foraging	N/A	500	104	East	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	21	Walking	W	500	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	19	Walking	N	500	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	54	Walking	N	500	90	West	No	-96.22208	64.97501	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-22	Yes	Caribou	13	Walking	NW	300	89	West	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	21	Walking	N	700	88	West	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	9	Walking	N	700	79	West	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	10	Walking	S	1000	73	West	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	52	Foraging	N/A	500	69	West	No	-96.31427	64.82772	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	40	Foraging	N/A	500	65	West	No	-96.34062	64.79480	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	21	Foraging	N/A	400	64	West	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	8	Walking	N	2000	7	West	No	-96.00916	64.37262	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	11	Walking	S	1000	7	West	No	-96.00916	64.37262	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	38	Walking	S	2000	22	West	No	-96.11256	64.49350	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-22	Yes	Caribou	6	Walking	S	2000	34	West	No	-96.24047	64.56875	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	17	Foraging	N/A	1500	57	West	No	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	1	Foraging	N/A	100	62	West	No	-96.34440	64.77373	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	23	Walking	W	300	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	8	Foraging	N/A	200	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	16	Foraging	N/A	300	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	5	Foraging	N/A	100	102	East	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	4	Foraging	E	50	104	East	Yes	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	10	Lying Down	N/A	100	102	East	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	30	Foraging	N/A	150	95	West	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	8	Walking	SW	100	71	West	No	-96.31970	64.84471	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	25	Walking	W	150	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	15	Walking	S	150	52	West	No	-96.37745	64.70086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	14	Walking	S	50	48	West	No	-96.36878	64.66417	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	30	Walking	S	200	37	West	No	-96.26900	64.58416	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	89	Not recorded	Not Recorded	N/A	54	N/A	N/A	-96.35835	64.71319	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-23	Yes	Caribou	11	Foraging	W	250	68	West	No	-96.32681	64.82032	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	9	Foraging	N/A	250	69	West	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	20	Foraging	N/A	500	70	West	No	-96.31652	64.83649	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	11	Foraging	N/A	150	69	West	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	20	Foraging	N/A	500	70	West	No	-96.31652	64.83649	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	36	Not recorded	Not Recorded	N/A	40	N/A	N/A	-96.28144	64.60429	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-23	Yes	Caribou	75	Not recorded	Not Recorded	N/A	54	N/A	N/A	-96.35835	64.71319	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-24	Yes	Caribou	4	Feeding	N/A	100	103	Both	Yes	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	29	Feeding	N/A	400	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	7	Walking	N	1000	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	9	Walking	N	900	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	5	Walking	N	1000	81	West	No	-96.30208	64.92518	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	21	Walking	W	1000	76	West	No	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Siksik	1	Alert	N/A	0	69	West	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Siksik	2	Alert	N/A	0	57	West	No	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	4	Walking	S	100	56	West	No	-96.35139	64.72588	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Sandhill crane	3	Feeding	N/A	100	36	East	No	-96.26192	64.58043	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	8	Walking	SE	500	9	West	No	-96.01430	64.38902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	1	Walking	E	300	4	East	No	-95.99845	64.34605	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	20	Walking	SE	800	48	West	No	-96.36878	64.66417	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	2	Walking	S	600	64	West	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	6	Feeding	N/A	300	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Peregrine falcon	1	Resting	N/A	0	27	West	No	-96.16125	64.53222	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	22	Feeding	N/A	400	18	West	No	-96.08240	64.46103	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	22	Feeding	N/A	600	18	West	No	-96.08240	64.46103	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	15	Walking	S	500	38	West	No	-96.27582	64.59073	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Muskox	22	Feeding	N/A	50	56	East	No	-96.35139	64.72588	N/A	N/A	No	Exceeded!!	Speed restriction
Incidental	2025-05-26	Yes	Caribou	18	Standing	N/A	600	73	East	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	1	Standing	N/A	150	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	2	Standing	Not Recorded	600	73	East	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Gyrfalcon	1	Resting	N/A	50	80	West	No	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Caribou	5	Foraging	N/A	300	75	West	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Caribou	4	Walking	SE	400	74	East	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Caribou	6	Walking	N	500	72	West	No	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Caribou	6	Foraging	N/A	600	69	West	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-27	Yes	Caribou	4	Walking	NW	300	68	West	No	-96.32681	64.82032	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Caribou	23	Foraging	N/A	600	64	West	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Caribou	7	Walking	E	0	63	West	Yes	-96.34437	64.77932	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Caribou	63	Foraging	N/A	300	63	West	No	-96.34437	64.77932	N/A	N/A	No	Exceeded!!	Restricted Access
Road	2025-05-27	Yes	Muskox	5	Foraging	N/A	400	63	East	No	-96.34437	64.77932	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	14	Walking	E	300	25	West	No	-96.14948	64.51420	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	41	Walking	E	300	32	East	No	-96.20446	64.56469	N/A	N/A	No	Exceeded!!	Restricted Access
Incidental	2025-05-27	Yes	Ptarmigan	1	Dead	N/A	0	42	East	No	-96.29490	64.62757	N/A	Project related	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	28	Walking	E	300	46	West	No	-96.32957	64.65622	N/A	N/A	No	Exceeded!!	Restricted Access
Incidental	2025-05-27	Yes	Caribou	3	Foraging	N/A	200	52	West	No	-96.37745	64.70086	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	9	Foraging	N/A	100	53	West	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	3	Walking	W	200	61	West	No	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	16	Foraging	N/A	200	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	1	Foraging	N/A	100	102	West	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	8	Foraging	N/A	300	71	West	No	-96.31970	64.84471	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	98	Walking	N	900	65	West	No	-96.34062	64.79480	N/A	N/A	No	Exceeded!!	Road is restricted. Speed restrictions when near wildlife. 65 to 70 speed restricted
Incidental	2025-05-28	Yes	Caribou	26	Walking	N	1200	60	West	No	-96.36363	64.75548	N/A	N/A	No	Exceeded!!	Road restricted. Speed restrictions
Incidental	2025-05-28	Yes	Caribou	18	Standing	N/A	300	13	West	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Muskox	15	Foraging	N/A	2500	85	West	No	-96.26143	64.93886	N/A	N/A	No	Exceeded!!	Speed restrictions where wildlife are. Road restricted access.
Road	2025-05-29	Yes	Caribou	10	Foraging	N/A	100	101	East	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	6	Foraging	N/A	800	81	West	No	-96.30208	64.92518	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	6	Foraging	N/A	1000	78	West	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	16	Foraging	N/A	500	76	West	No	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	5	Foraging	N/A	500	64	West	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Muskox	4	Standing	N/A	100	58	East	No	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	7	Walking	S	400	54	West	No	-96.35835	64.71319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	16	Walking	N	500	10	West	No	-96.01786	64.39710	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	15	Walking	S	600	53	West	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	17	Walking	N	600	69	West	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	3	Walking	N	500	77	West	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	6	Walking	SE	400	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	17	Foraging	N/A	1000	103	East	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	1	Foraging	N/A	1000	101	West	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	6	Foraging	N/A	800	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	7	Foraging	N/A	1500	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	11	Foraging	N/A	900	76	West	No	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	47	Foraging	N/A	2500	72	West	No	-96.32384	64.85386	N/A	N/A	No	Exceeded!!	Road is restricted access Speed restrictions when wildlife near
Road	2025-05-30	Yes	Caribou	16	Foraging	N/A	600	64	West	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	24	Foraging	N/A	800	62	West	No	-96.34440	64.77373	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	17	Foraging	N/A	900	61	West	No	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	5	Foraging	N/A	800	59	West	No	-96.37059	64.74953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	27	Walking	S	600	58	West	No	-96.35794	64.74165	N/A	N/A	No	Exceeded!!	Road is restricted access Speed restriction near wildlife
Road	2025-05-30	Yes	Caribou	9	Foraging	N/A	600	55	West	No	-96.34597	64.71855	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	4	Foraging	N/A	1200	53	West	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	5	Walking	W	1500	42	West	No	-96.29490	64.62757	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	9	Foraging	N/A	3000	36	West	No	-96.26192	64.58043	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	10	Walking	S	1000	6	West	No	-96.00083	64.36427	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	39	Foraging	E	300	66	West	No	-96.33501	64.80451	N/A	N/A	No	Exceeded!!	Road is restricted access
Road	2025-05-30	Yes	Caribou	27	Foraging	E	300	70	West	No	-96.31652	64.83649	N/A	N/A	No	Exceeded!!	Road is restricted access
Incidental	2025-05-30	Yes	Caribou	3	Foraging	S	600	6	West	No	-96.00083	64.36427	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-30	Yes	Caribou	5	Foraging	E	400	15	East	No	-96.05250	64.43981	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-30	Yes	Caribou	53	Foraging	N/A	300	53	West	No	-96.37309	64.70606	N/A	N/A	No	Exceeded!!	Road is restricted access Speed restrictions where wildlife present
Incidental	2025-05-30	Yes	Caribou	6	Walking	N	800	72	West	No	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-30	Yes	Caribou	6	Foraging	N/A	2500	81	West	No	-96.30208	64.92518	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-30	Yes	Caribou	5	Foraging	N/A	300	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-30	Yes	Caribou	5	Lying Down	N/A	500	101	West	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-30	Yes	Caribou	4	Lying Down	N/A	800	104	West	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	9	Foraging	N/A	600	101	West	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	1	Standing	N/A	400	97	West	No	-96.17115	65.02594	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	12	Foraging	N/A	500	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	14	Foraging	N/A	100	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	12	Foraging	N/A	300	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	1	Foraging	N/A	1200	90	West	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	19	Foraging	N/A	800	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	9	Foraging	N/A	500	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	12	Foraging	N/A	500	81	West	No	-96.30208	64.92518	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Peregrine falcon	2	Courting	Not Recorded	300	80	West	No	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	10	Foraging	N/A	200	79	West	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	5	Alert	N/A	800	77	West	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	1	Standing	N/A	600	69	West	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	8	Standing	N/A	300	67	West	No	-96.32620	64.81233	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	14	Standing	N/A	400	47	West	No	-96.34656	64.65799	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	6	Foraging	N/A	200	43	West	No	-96.30070	64.63477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	2	Foraging	N/A	400	42	West	No	-96.29490	64.62757	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Peregrine falcon	2	Courting	N/A	10	13	West	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	8	Trotting/running	S	1200	25	West	No	-96.14948	64.51420	N/A	N/A	No	Not Exceeded	N/A
Road	2026-06-01	Yes	Caribou	2	Standing	N/A	30	98	East	No	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Road	2026-06-01	Yes	Caribou	4	Foraging	N/A	800	80	West	No	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-06-01	Yes	Caribou	14	Lying Down	N/A	2500	69	West	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	6	Foraging	N/A	800	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	9	Walking	E	500	64	West	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	10	Walking	SE	700	63	West	No	-96.34437	64.77932	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	10	Walking	SW	600	61	West	No	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	9	Walking	E	400	38	West	No	-96.27582	64.59073	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	13	Walking	S	2000	34	West	No	-96.24047	64.56875	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	31	Walking	E	1000	23	West	No	-96.12442	64.50056	N/A	N/A	No	Exceeded!!	Road is restricted access
Road	2025-06-01	Yes	Caribou	25	Walking	E	200	22	West	No	-96.11256	64.49350	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	11	Foraging	N/A	200	8	West	No	-96.01547	64.38131	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Muskox	1	Feeding	N/A	100	45	West	No	-96.31336	64.65243	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Caribou	8	Standing	N/A	200	74	West	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Caribou	2	Trotting/running	W	50	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Caribou	1	Feeding	N/A	200	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Muskox	2	Feeding	N/A	150	102	West	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Muskox	1	Feeding	N/A	300	104	West	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	20	Walking	S	700	89	West	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	8	Feeding	N/A	1200	81	West	No	-96.30208	64.92518	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	11	Trotting/running	N	50	56	West	No	-96.35139	64.72588	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	1	Trotting/running	S	150	28	West	No	-96.17013	64.54131	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Muskox	4	Feeding	N/A	200	42	West	No	-96.29490	64.62757	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Caribou	1	Feeding	N/A	20	42	East	No	-96.29490	64.62757	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Muskox	1	Resting	N/A	150	99	West	No	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	8	Feeding	N/A	800	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	9	Resting	N/A	700	79	West	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	3	Feeding	N/A	300	75	East	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	1	Trotting/running	S	100	46	West	No	-96.32957	64.65622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	6	Trotting/running	W	0	45	Both	Yes	-96.31336	64.65243	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	4	Foraging	N/A	250	45	West	No	-96.31336	64.65243	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Muskox	1	Resting	N/A	150	45	West	No	-96.31336	64.65243	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Bald Eagle	1	Flying	N/A	100	22	West	No	-96.11256	64.49350	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-03	Yes	Caribou	2	Resting	N/A	1000	66	West	No	-96.33501	64.80451	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-03	Yes	Caribou	10	Standing	N/A	1200	77	West	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-03	Yes	Muskox	1	Walking	W	30	97	West	No	-96.17115	65.02594	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Caribou	5	Foraging	W	300	72	West	No	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Caribou	2	Trotting/running	E	600	58	West	No	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Muskox	10	Standing	N/A	200	46	East	No	-96.32957	64.65622	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Caribou	9	Foraging	N/A	1000	81	West	No	-96.30208	64.92518	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Caribou	19	Lying Down	N/A	800	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-05	Yes	Caribou	2	Foraging	N/A	700	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-05	Yes	Caribou	3	Foraging	SW	200	89	West	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-05	Yes	Caribou	6	Walking	NE	700	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-05	Yes	Caribou	3	Foraging	N/A	2500	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-05	Yes	Caribou	6	Foraging	N/A	1800	80	West	No	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-05	Yes	Caribou	4	Foraging	N/A	1700	79	West	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-05	Yes	Caribou	10	Walking	E	150	80	West,East	Yes	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-06	Yes	Caribou	5	Lying Down	N/A	1000	102	West	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-06	Yes	Caribou	2	Walking	SW	900	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-06	Yes	Caribou	4	Feeding	S	400	81	East	No	-96.30208	64.92518	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-06	Yes	Caribou	3	Lying Down	N/A	1100	75	West	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-06	Yes	Caribou	16	Walking	S	600	18	West	No	-96.08240	64.46103	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Caribou	3	Standing	N/A	300	103	West	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Caribou	6	Walking	S	400	90	West	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Caribou	8	Feeding	N/A	1000	84	West	No	-96.28276	64.93660	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Caribou	2	Standing	N/A	150	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Caribou	13	Walking	N	1700	32	West	No	-96.20446	64.56469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Caribou	18	Running	W	100	20	West	No	-96.09597	64.47868	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-08	Yes	Muskox	1	Feeding	N/A	30	41	West	No	-96.28113	64.62028	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-08	Yes	Caribou	2	Foraging	S	500	53	West	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-09	Yes	Muskox	2	Feeding	N/A	40	89	West	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-09	Yes	Caribou	7	Feeding	N/A	1200	76	West	No	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-10	Yes	Caribou	3	Feeding	N/A	300	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-10	Yes	Caribou	5	Running	E	200	89	East	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-10	Yes	Muskox	21	Feeding	N/A	200	49	East	No	-96.37072	64.66880	N/A	N/A	No	Exceeded!!	Speed restriction put in place
Road	2025-06-10	Yes	Caribou	4	Walking	W	400	53	West	N/A	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-10	Yes	Caribou	16	Walking	W	300	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-11	Yes	Muskox	2	Feeding	NW	250	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-11	Yes	Caribou	15	Running	N	100	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Muskox	1	Foraging	N/A	1500	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Caribou	10	Foraging	N/A	1000	95	West	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Muskox	1	Foraging	N/A	89	89	East	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-06-12	Yes	Caribou	2	Walking	S	600	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Canada goose	6	Standing	N/A	10	64	East	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Caribou	2	Walking	S	500	2	West	No	-95.97432	64.33258	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Muskox	1	Foraging	N/A	300	51	West	No	-96.37907	64.69323	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Siksik	1	Dead	N/A	0	42	West	No	-96.29490	64.62757	N/A	Project related	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Caribou	8	Foraging	N/A	750	41	West	No	-96.28113	64.62028	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Muskox	2	Foraging	N/A	500	41	West	No	-96.28113	64.62028	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Caribou	7	Trotting/running	N	150	9	West	No	-96.01430	64.38902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Ptarmigan	1	Walking	W	0	10	West	Yes	-96.01786	64.39710	N/A	N/A	No	Not Exceeded	N/A

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-06-12	Yes	Caribou	1	Walking	S	300	19	West	No	-96.08660	64.47020	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Sandhill crane	2	Walking	W	0	39	West,East	Yes	-96.27514	64.59586	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Muskox	1	Standing	N/A	150	53	West	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Caribou	8	Walking	E	700	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Bald Eagle	3	Alert	N/A	250	74	West	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-14	Yes	Caribou	6	Foraging	S	200	70	West	No	-96.31652	64.83649	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-14	Yes	Muskox	1	Foraging	S	500	53	West	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-14	Yes	Muskox	1	Feeding	N/A	15	58	East	No	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-16	Yes	Caribou	7	Foraging	N/A	300	55	West	No	-96.34597	64.71855	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-17	Yes	Muskox	1	Feeding	N	200	73	East	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-17	Yes	Muskox	1	Feeding	N	100	68	West	No	-96.32681	64.82032	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-17	Yes	Muskox	4	Feeding	N	800	49	East	No	-96.37072	64.66880	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-17	Yes	Muskox	23	Foraging	W	20	35	East	No	-96.24426	64.57386	N/A	N/A	No	Exceeded!!	Speed Restriction
Road	2025-06-17	Yes	Caribou	1	Foraging	S	30	74	East	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-17	Yes	Caribou	4	Walking	N	600	77	West	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-17	Yes	Muskox	1	Trotting/running	N	150	83	East	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-17	Yes	Muskox	26	Lying Down	N/A	500	34	East	No	-96.24047	64.56875	N/A	N/A	No	Exceeded!!	Speed restriction placed by HTO 20km
Incidental	2025-06-17	Yes	Caribou	4	Foraging	N/A	4	54	West	N/A	-96.35835	64.71319	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-18	Yes	Caribou	7	Lying Down	N/A	750	78	West	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-18	Yes	Siksik	1	Running	E	0	46	East	Yes	-96.32957	64.65622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-18	Yes	Caribou	4	Walking	S	300	42	West	No	-96.29490	64.62757	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-18	Yes	Muskox	2	Walking	S	300	23	West	No	-96.12442	64.50056	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-18	Yes	Caribou	5	Walking	S	150	34	West	No	-96.24047	64.56875	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-18	Yes	Caribou	10	Walking	S	300	38	West	No	-96.27582	64.59073	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-18	Yes	Caribou	10	Walking	NW	200	97	West	No	-96.17115	65.02594	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-18	Yes	Caribou	7	Foraging	S	200	77	West	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-18	Yes	Caribou	3	Foraging	S	300	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-18	Yes	Caribou	4	Walking	W	20	101	West	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-18	Yes	Muskox	22	Foraging	N/A	500	46	West	No	-96.32957	64.65622	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-06-19	Yes	Muskox	1	Foraging	E	100	103	East	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-19	Yes	Caribou	3	Feeding	S	200	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-19	Yes	Muskox	1	Foraging	N/A	400	55	East	No	-96.34597	64.71855	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-19	Yes	Muskox	4	Foraging	N/A	400	52	West	No	-96.37745	64.70086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-19	Yes	Muskox	2	Lying Down	N/A	200	22	West	No	-96.11256	64.49350	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-19	Yes	Arctic fox	1	Running	N	20	37	West	No	-96.26900	64.58416	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-19	Yes	Caribou	2	Walking	N	300	71	West	No	-96.31970	64.84471	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-19	Yes	Caribou	6	Walking	S	150	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-19	Yes	Caribou	5	Walking	W	100	88	West	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-20	Yes	Muskox	1	Foraging	N/A	300	53	East	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-20	Yes	Sandhill crane	2	Walking	N/A	50	42	East	No	-96.29490	64.62757	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-20	Yes	Ptarmigan	1	Flying	E	0	37	East	Yes	-96.26900	64.58416	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-20	Yes	Muskox	1	Foraging	E	250	26	East	No	-96.16146	64.52353	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-20	Yes	Muskox	2	Foraging	E	50	22	East	No	-96.11256	64.49350	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Muskox	3	Foraging	N/A	300	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Ptarmigan	10	Alert	N/A	50	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Caribou	11	Trotting/running	N	200	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Sandhill crane	2	Walking	N/A	80	40	East	N/A	-96.28144	64.60429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-21	Yes	Muskox	2	Foraging	N/A	500	30	East	No	-96.19577	64.55431	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-21	Yes	Caribou	13	Walking	E	150	69	West	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-06-21	Yes	Caribou	6	Walking	N	300	78	West	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-23	Yes	Muskox	1	Feeding	S	5	99	West	No	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-23	Yes	Muskox	1	Feeding	S	3	54	West	No	-96.35835	64.71319	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-23	Yes	Caribou	18	Walking	S	1500	41	West	No	-96.28113	64.62028	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-23	Yes	Caribou	3	Walking	S	1000	33	West	No	-96.21631	64.57146	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-23	Yes	Caribou	2	Walking	S	150	2	West	No	-95.97432	64.33258	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-23	Yes	Muskox	2	Foraging	N/A	250	89	West	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-23	Yes	Muskox	4	Foraging	Not Recorded	100	97	East	No	N/A	N/A	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-24	Yes	Muskox	1	Foraging	N/A	300	104	East	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-24	Yes	Arctic hare	1	Walking	E	100	92	East	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-24	Yes	Muskox	1	Foraging	N/A	250	87	West	N/A	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-24	Yes	Arctic fox	1	Walking	N/A	20	54	West	No	-96.35835	64.71319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-24	Yes	Muskox	1	Foraging	N/A	200	54	East	N/A	-96.35835	64.71319	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-24	Yes	Muskox	3	Alert	N/A	20	46	East	No	-96.32957	64.65622	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-24	Yes	Arctic hare	1	Trotting/running	N/A	50	45	East	N/A	-96.31336	64.65243	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-24	Yes	Muskox	1	Feeding	N/A	15	12	West	No	-96.02992	64.41394	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-24	Yes	Muskox	1	Feeding	N/A	100	56	East	No	-96.35139	64.72588	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-24	Yes	Caribou	5	Walking	E	50	60	West	Yes	-96.36363	64.75548	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-06-24	Yes	Muskox	1	Feeding	S	700	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-24	Yes	Muskox	1	Feeding	S	100	105	West	No	-96.08773	65.03413	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-24	Yes	Muskox	2	Feeding	N/A	25	107	East	No	-96.07193	65.02338	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-25	Yes	Caribou	1	Walking	N	200	73	West	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-25	Yes	Muskox	2	Lying Down	N/A	75	15	East	No	-96.05250	64.43981	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-25	Yes	Caribou	8	Foraging	W	100	55	West	No	-96.34597	64.71855	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-25	Yes	Muskox	1	Feeding	N/A	200	53	East	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-25	Yes	Muskox	2	Feeding	N/A	700	36	West	No	-96.26192	64.58043	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-25	Yes	Caribou	5	Walking	S	800	34	West	No	-96.24047	64.56875	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-25	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-06-26	Yes	Muskox	1	Foraging	N/A	50	12	East	No	-96.02992	64.41394	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-26	Yes	Muskox	1	Foraging	N/A	5	58	West	No	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-26	Yes	Caribou	12	Walking	N	300	67	West	No	-96.32620	64.81233	N/A	N/A	No	Not Exceeded	N/A

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-06-26	Yes	Muskox	11	Lying Down	N/A	75	103	West	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-27	Yes	Muskox	10	Lying Down	N/A	75	104	East	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-06-27	Yes	Muskox	5	Foraging	N/A	75	92	West,East	Yes	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-27	Yes	Caribou	2	Walking	S	150	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-27	Yes	Muskox	1	Foraging	N/A	5	105	East	No	-96.08773	65.03413	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-06-28	Yes	Muskox	8	Foraging	N/A	200	104	West	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-28	Yes	Muskox	1	Resting	N/A	250	89	West	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-28	Yes	Muskox	1	Foraging	N/A	50	69	West	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-28	Yes	Muskox	4	Foraging	N/A	100	53	Both	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-28	Yes	Muskox	1	Foraging	N/A	50	16	West	No	-96.06242	64.44628	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-06-28	Yes	Muskox	1	Foraging	N/A	50	49	East	No	-96.37072	64.66880	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-29	Yes	Muskox	3	Foraging	N/A	25	53	Both	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-29	Yes	Caribou	4	Walking	N	400	53	West	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-29	Yes	Muskox	1	Foraging	N/A	300	47	West	No	-96.34656	64.65799	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-29	Yes	Muskox	30	Foraging	N/A	2000	42	West	No	-96.29490	64.62757	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-06-29	Yes	Caribou	1	Running	N	150	59	East	No	-96.08873	64.47230	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-29	Yes	Muskox	1	Walking	S	600	71	East	No	-96.31970	64.84471	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-29	Yes	Muskox	11	Feeding	N/A	25	106	East	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-01	Yes	Muskox	2	Foraging	N/A	10	106	East	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-01	Yes	Muskox	3	Foraging	N/A	100	56	West	No	-96.35139	64.72588	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-01	Yes	Muskox	3	Foraging	N/A	50	49	East	No	-96.37072	64.66880	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-01	Yes	Muskox	1	Foraging	N/A	300	29	East	No	-96.18125	64.54733	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-01	Yes	Muskox	1	Feeding	N/A	400	29	East	No	-96.18125	64.54733	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-02	Yes	Muskox	4	Resting	N/A	50	105	West	No	-96.08773	65.03413	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-02	Yes	Muskox	1	Resting	N/A	75	98	West	No	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-02	Yes	Muskox	3	Feeding	N/A	50	56	East	No	-96.35139	64.72588	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-02	Yes	Muskox	2	Feeding	N/A	10	27	Both	No	-96.16125	64.53222	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-07-02	Yes	Muskox	4	Foraging	N/A	200	55	East	No	-96.34597	64.71855	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-02	Yes	Muskox	1	Foraging	N/A	25	100	East	No	-96.14649	65.04884	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-07-02	Yes	Muskox	11	Feeding	N/A	25	105	West	No	-96.08773	65.03413	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-07-02	Yes	Muskox	2	Lying Down	N/A	25	106	East	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-04	Yes	Muskox	2	Foraging	N/A	75	99	West	No	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-04	Yes	Muskox	1	Resting	N/A	200	93	East	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-04	Yes	Muskox	1	Feeding	S	200	59	West	No	-96.37059	64.74953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-04	Yes	Muskox	1	Feeding	S	25	57	East	No	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-04	Yes	Muskox	2	Lying Down	N/A	100	25	West	No	-96.14948	64.51420	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-04	Yes	Muskox	1	Feeding	N/A	30	14	East	No	-96.04300	64.43121	N/A	N/A	No	Not Exceeded	Speed Resrtriction
Incidental	2025-07-04	Yes	Muskox	2	Foraging	W	25	48	West	No	-96.36878	64.66417	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-07-04	Yes	Muskox	1	Trotting/running	W	10	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-04	Yes	Muskox	2	Foraging	N/A	10	99	West	No	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-05	Yes	Muskox	1	Resting	N/A	150	99	East	No	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-05	Yes	Muskox	1	Resting	N/A	100	62	East	No	-96.34440	64.77373	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-05	Yes	Muskox	2	Resting	N/A	300	54	East	No	-96.35835	64.71319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-05	Yes	Muskox	3	Standing	N/A	400	41	East	No	-96.28113	64.62028	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-05	Yes	Muskox	12	Feeding	N/A	700	44	West	No	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-05	Yes	Muskox	2	Lying Down	N/A	100	54	East	No	-96.35835	64.71319	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-05	Yes	Muskox	12	Foraging	N/A	1000	61	West	No	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-05	Yes	Muskox	1	Foraging	E	3	62	East	No	-96.34440	64.77373	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-07-05	Yes	Muskox	3	Foraging	N/A	5	106	West	Yes	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-07-07	Yes	Muskox	14	Trotting/running	W	0	99	East	Yes	-96.15317	65.04196	N/A	N/A	No	Exceeded!!	Speed restriction to 20kph put in place
Incidental	2025-07-07	Yes	Muskox	7	Walking	W	100	98	West	No	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-07	Yes	Muskox	1	Feeding	N/A	50	62	West	No	-96.34440	64.77373	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-07	Yes	Muskox	1	Foraging	N/A	150	26	East	No	-96.16146	64.52353	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-07	Yes	Muskox	1	Foraging	N/A	50	70	East	No	-96.31652	64.83649	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-07	Yes	Muskox	11	Foraging	E	500	103	East	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-10	Yes	Muskox	1	Lying Down	N/A	100	90	West	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-10	Yes	Muskox	1	Alert	E	2	73	East	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-10	Yes	Muskox	3	Walking	E	5	60	Both	No	-96.36363	64.75548	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-10	Yes	Muskox	2	Feeding	N/A	10	35	West	No	-96.24426	64.57386	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-10	Yes	Muskox	1	Feeding	E	300	13	East	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-10	Yes	Muskox	1	Feeding	W	1	12	East	No	-96.02992	64.41394	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-07-10	Yes	Muskox	2	Lying Down	N/A	150	33	West	No	-96.21631	64.57146	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-10	Yes	Muskox	2	Foraging	E	100	103	West	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-12	Yes	Muskox	1	Feeding	N/A	150	103	East	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-12	Yes	Muskox	2	Foraging	N	20	95	Both	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-12	Yes	Muskox	2	Foraging	S	150	64	East	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-12	Yes	Arctic hare	1	Alert	N	50	55	West	No	-96.34597	64.71855	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-12	Yes	Muskox	1	Foraging	N	100	53	East	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-12	Yes	Muskox	1	Lying Down	N/A	2	13	East	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-07-12	Yes	Muskox	2	Lying Down	N/A	100	56	East	No	-96.35139	64.72588	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-12	Yes	Muskox	2	Lying Down	N/A	50	67	West	No	-96.32620	64.81233	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-12	Yes	Muskox	1	Foraging	E	100	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-12	Yes	Muskox	1	Alert	W	5	99	West	No	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-07-12	Yes	Muskox	12	Foraging	W	1	103	West	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-13	Yes	Muskox	12	Foraging	SE	0	106	Both	Yes	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-13	Yes	Muskox	6	Foraging	SE	50	106	East	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-13	Yes	Muskox	1	Walking	SW	150	102	West	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-13	Yes	Muskox	2	Foraging	SE	5	65	East	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-13	Yes	Muskox	3	Foraging	E	100	60	West	No	-96.36363	64.75548	N/A	N/A	No	Not Exceeded	N/A

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-07-13	Yes	Muskox	7	Foraging	SW	100	48	Both	No	-96.36878	64.66417	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-13	Yes	Muskox	1	Lying Down	SW	20	48	West	No	-96.36878	64.66417	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-13	Yes	Muskox	17	Foraging	SW	1000	30	West	No	-96.19577	64.55431	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-07-14	Yes	Muskox	3	Lying Down	N/A	30	22	West	No	-96.11256	64.49350	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-14	Yes	Muskox	3	Foraging	N	200	57	West	No	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	2	Foraging	S	3000	15	East	No	-96.05250	64.43981	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	2	Foraging	W	50	19	East	No	-96.08660	64.47020	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-14	Yes	Caribou	1	Foraging	N	3000	53	West	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	1	Foraging	E	50	23	East	No	-96.12442	64.50056	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-14	Yes	Muskox	17	Foraging	N	150	48	West	No	-96.36878	64.66417	N/A	N/A	No	Exceeded!!	Speed Restriction
Road	2025-07-14	Yes	Muskox	2	Lying Down	N/A	50	24	West	No	-96.13651	64.50789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	11	Walking	S	3000	87	East	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	1	Foraging	E	150	41	East	No	-96.28113	64.62028	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	3	Foraging	W	200	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	2	Lying Down	N/A	100	46	West	No	-96.32957	64.65622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	2	Lying Down	Not Recorded	50	53	West	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	1	Foraging	W	20	74	West	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	1	Lying Down	W	50	74	East	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	1	Walking	SE	100	101	East	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	13	Walking	NW	300	103	West	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	1	Walking	W	100	101	West	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	2	Foraging	W	50	92	Both	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	3	Foraging	E	200	85	East	No	-96.26143	64.93886	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	10	Foraging	W	250	102	West	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	4	Foraging	E	100	60	East	No	-96.36363	64.75548	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-14	Yes	Muskox	1	Foraging	W	100	48	East	No	-96.36878	64.66417	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-15	Yes	Muskox	13	Lying Down	N/A	100	106	East	No	-96.08289	65.02713	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-15	Yes	Muskox	20	Lying Down	N/A	1000	103	West	No	-96.11079	65.04890	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-07-15	Yes	Muskox	1	Feeding	N	2	101	West	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-15	Yes	Muskox	1	Foraging	N	500	84	East	No	-96.28276	64.93660	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-15	Yes	Muskox	1	Lying Down	N/A	1000	61	West	No	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-15	Yes	Muskox	2	Feeding	N	5	53	West	No	-96.37309	64.70606	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-15	Yes	Muskox	1	Feeding	N	800	39	East	No	-96.27514	64.59586	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-15	Yes	Muskox	2	Feeding	N	75	24	West	No	-96.13651	64.50789	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-15	Yes	Muskox	1	Lying Down	N/A	100	74	East	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-18	Yes	Muskox	2	Foraging	N/A	150	80	West	No	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-18	Yes	Muskox	3	Lying Down	N/A	150	22	West	No	-96.11256	64.49350	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-18	Yes	Muskox	2	Foraging	N/A	300	25	West	No	-96.14948	64.51420	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-18	Yes	Muskox	10	Walking	E	0	10	West,East	Yes	-96.01786	64.39710	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-19	Yes	Muskox	2	Lying Down	N/A	1000	103	West	No	-96.11079	65.04890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-19	Yes	Muskox	1	Foraging	N/A	250	85	East	No	-96.26143	64.93886	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-19	Yes	Wolf	1	Lying Down	N/A	500	74	West	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-19	Yes	Muskox	2	Foraging	N/A	250	49	West	No	-96.37072	64.66880	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-19	Yes	Muskox	1	Foraging	N/A	1000	28	East	No	-96.17013	64.54131	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	17	Foraging	N	150	101	East	No	-96.14029	65.05669	N/A	N/A	No	Exceeded!!	Speed restriction to 20km/h
Road	2025-07-20	Yes	Muskox	1	Foraging	N/A	800	65	East	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	1	Standing	N/A	200	52	West	No	-96.37745	64.70086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	1	Foraging	N/A	100	41	East	No	-96.28113	64.62028	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	1	Walking	E	50	31	East	No	-96.19574	64.55426	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	1	Standing	N/A	1500	29	West	No	-96.18125	64.54733	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-20	Yes	Muskox	2	Foraging	N/A	250	18	East	No	-96.08240	64.46103	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-23	Yes	Muskox	21	Foraging	E	300	44	East	No	-96.30352	64.64171	N/A	N/A	No	Exceeded!!	Speed Restriction
Road	2025-07-23	Yes	Muskox	1	Foraging	NE	25	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-23	Yes	Arctic hare	1	Dead	N/A	N/A	102	N/A	N/A	-96.12783	65.05170	N/A	Project related	No	Not Exceeded	N/A
Road	2025-07-24	Yes	Muskox	2	Foraging	SE	100	18	East	No	-96.08240	64.46103	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-24	Yes	Muskox	1	Foraging	SW	750	38	West	No	-96.27582	64.59073	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-24	Yes	Muskox	1	Lying Down	N	30	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-24	Yes	Muskox	1	Walking	NW	300	83	West	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-26	Yes	Muskox	1	Foraging	NE	400	61	East	No	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-26	Yes	Muskox	1	Feeding	N/A	100	29	West	No	-96.18125	64.54733	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-27	Yes	Muskox	15	Foraging	S	100	101	West	No	-96.14029	65.05669	N/A	N/A	No	Exceeded!!	Speed restriction enacted
Road	2025-07-27	Yes	Muskox	1	Lying Down	N/A	400	14	East	No	-96.04300	64.43121	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-27	Yes	Muskox	17	Foraging	W	0	95	Both	Yes	-96.19522	65.01286	N/A	N/A	No	Exceeded!!	Speed restriction placed
Road	2025-07-27	Yes	Muskox	2	Resting	N/A	100	13	East	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-29	Yes	Muskox	18	Foraging	W	0	16	West,East	Yes	-96.06242	64.44628	N/A	N/A	No	Exceeded!!	Speed restriction was put in place
Road	2025-07-29	Yes	Muskox	6	Foraging	S	300	15	East	No	-96.05250	64.43981	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-29	Yes	Muskox	18	Foraging	N	200	37	East	No	-96.26900	64.58416	N/A	N/A	No	Exceeded!!	Speed Restriction
Road	2025-08-01	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-08-01	Yes	Muskox	1	Foraging	E	N/A	35	East	N/A	-95.97170	64.32525	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-01	Yes	Muskox	2	Foraging	E	300	45	East	N/A	-95.97170	64.32525	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-01	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-08-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-08-08	Yes	Muskox	5	Feeding	NW	500	6	West	No	-96.00083	64.36427	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-08	Yes	Muskox	1	Feeding	E	100	15	East	No	-96.05250	64.43981	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-11	Yes	Muskox	2	Foraging	N/A	1000	83	East	No	-96.30111	64.93500	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-11	Yes	Muskox	5	Foraging	N/A	1000	79	East	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-11	Yes	Muskox	5	Foraging	W	100	6	West	No	-96.00083	64.36427	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Canada goose	80	Feeding	S	30	104	East	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Canada goose	23	Feeding	NW	20	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Canada goose	15	Flying	S	50	79	West	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-08-14	Yes	Siksik	1	Running	SE	1	80	West	No	-96.30624	64.91707	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Bald Eagle	1	Alert	N/A	10	76	East	No	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Siksik	1	Running	E	0	73	East	Yes	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Arctic hare	1	Running	NW	0	67	West	Yes	-96.32620	64.81233	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Siksik	1	Running	NE	0	56	West	Yes	-96.35139	64.72588	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Siksik	1	Standing	N/A	0	50	West	Yes	-96.37310	64.67942	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Siksik	1	Running	SE	0	43	West	Yes	-96.30070	64.63477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Siksik	1	Standing	N/A	0	18	West	No	-96.08240	64.46103	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Muskox	35	Feeding	S	150	10	West	No	-96.01786	64.39710	N/A	N/A	No	Exceeded!!	Speed Restriction None
Road	2025-08-14	Yes	Muskox	1	Feeding	S	0	15	East	No	-96.05250	64.43981	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Arctic fox	1	Running	NE	5	26	West	Yes	-96.16146	64.52353	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Muskox	1	Feeding	N	50	68	West	No	-96.32681	64.82032	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-08-15	Yes	Muskox	14	Lying Down	N/A	500	13	East	No	-96.03681	64.42344	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-08-17	Yes	Arctic hare	1	Trotting/running	W	0	73	West	Yes	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-08-21	Yes	Arctic hare	1	Running	S	0	74	East	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-21	Yes	Arctic hare	1	Alert	W	0	70	West	Yes	-96.31652	64.83649	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-24	Yes	Arctic hare	1	Dead	N/A	N/A	105	N/A	N/A	-96.08773	65.03413	N/A	Project related	No	Not Exceeded	N/A
Incidental	2025-08-24	Yes	Snow goose	250	Standing	N/A	25	102	East	No	-96.12783	65.05170	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-25	Yes	Snow goose	350	Standing	N/A	50	43	East	No	-96.30070	64.63477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-25	Yes	Snow goose	75	Standing	N/A	200	13	East	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-25	Yes	Snow goose	200	Standing	N/A	400	8	West	No	-96.01547	64.38131	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-25	Yes	Snow goose	100	Resting	N/A	150	10	West	No	-96.01786	64.39710	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-25	Yes	Snow goose	125	Resting	N/A	75	13	West	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-25	Yes	Snow goose	200	Flying	NW	50	25	West	No	-96.14948	64.51420	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-25	Yes	Sandhill crane	2	Flying	W	100	26	East	No	-96.16146	64.52353	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-25	Yes	Snow goose	350	Resting	N/A	700	31	East	No	-96.19574	64.55426	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-25	Yes	Muskox	1	Resting	N/A	300	69	East	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-25	Yes	Snow goose	80	Resting	N/A	1000	88	East	No	-96.22060	64.95809	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-26	Yes	Sandhill crane	2	Standing	N/A	50	93	East	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-26	Yes	Snow goose	75	Milling	N/A	50	81	West	No	-96.30208	64.92518	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-26	Yes	Arctic hare	1	Dead	N/A	N/A	67	N/A	N/A	-96.32620	64.81233	N/A	Project related	No	Not Exceeded	N/A
Incidental	2025-08-26	Yes	Sandhill crane	2	Flying	W	70	19	West	Yes	-96.08660	64.47020	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-26	Yes	Sandhill crane	1	Standing	N/A	200	29	East	No	-96.18125	64.54733	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-26	Yes	Snow goose	300	Standing	N/A	150	37	West	No	-96.26900	64.58416	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-27	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-08-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-08-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-08-30	Yes	Canada goose	80	Standing	N/A	20	101	West	No	-96.14029	65.05669	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-30	Yes	Snow goose	300	Standing	N/A	50	78	West	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-30	Yes	Canada goose	18	Flying	E	25	64	East	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-30	Yes	Snow goose	150	Standing	N/A	400	32	West	No	-96.20446	64.56469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-30	Yes	Bald Eagle	1	Flying	SE	100	18	East	No	-96.08240	64.46103	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-30	Yes	Sandhill crane	2	Flying	S	150	13	West	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-01	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-09-02	Yes	Caribou	2	Not recorded	Not Recorded	N/A	58	East	N/A	-96.35794	64.74165	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-03	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-04	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-07	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-09-11	Yes	Caribou	2	Not recorded	Not Recorded	50	17	East	N/A	-96.07705	64.45326	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-13	Yes	Arctic hare	2	Foraging	N/A	15	104	West	No	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-13	Yes	Siksik	1	Alert	N/A	0	77	East	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-13	Yes	Muskox	1	Foraging	NW	500	77	West	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-22	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-26	Yes	Arctic hare	2	Trotting/running	Not Recorded	15	105	Both	No	-96.08773	65.03413	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-26	Yes	Muskox	1	Feeding	N/A	10	90	East	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-26	Yes	Arctic hare	1	Feeding	N/A	100	86	East	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-26	Yes	Arctic fox	1	Trotting/running	E	0	37	Both	Yes	-96.26900	64.58416	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-26	Yes	Arctic fox	1	Running	S	300	1	West	No	-95.97170	64.32525	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-26	Yes	Arctic fox	1	Running	W	20	13	West	No	-96.03681	64.42344	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-26	Yes	Peregrine falcon	1	Flying	W	50	73	West,East	Yes	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-01	Yes	Arctic fox	1	Standing	N/A	10	86	East	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-01	Yes	Arctic fox	1	Trotting/running	W	200	3	West	No	-95.98995	64.33765	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-03	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-10-03	Yes	Muskox	2	Standing	N/A	150	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-05	Yes	Muskox	2	Foraging	N/A	15	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-07	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-07	Yes	Caribou	1	Alert	W	200	22	West	No	-96.11256	64.49350	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-10	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-10	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-17	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-21	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-10-21	Yes	Muskox	2	Foraging	N/A	1500	89	West	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-10-25	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-27	Yes	Muskox	11	Feeding	NE	300	78	East	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-29	Yes	Muskox	15	Feeding	N/A	300	80	East	No	-96.30624	64.91707	N/A	N/A	No	Exceeded!!	Speed reduction
Road	2025-10-30	Yes	Arctic hare	2	Standing	N/A	20	104	West	N/A	-96.09721	65.04458	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-30	Yes	Arctic fox	1	Foraging	N/A	600	60	West	N/A	-96.36363	64.75548	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-30	Yes	Arctic hare	1	Resting	N/A	300	50	West	N/A	-96.37310	64.67942	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-30	Yes	Arctic hare	1	Standing	N/A	30	6	East	N/A	-96.00083	64.36427	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-30	Yes	Wolf	1	Running	W	100	14	West	No	-96.04300	64.43121	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-30	Yes	Muskox	16	Foraging	N/A	800	78	East	No	-96.32437	64.90319	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-11-02	Yes	Ptarmigan	9	Standing	N/A	50	94	East	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-03	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-11-05	Yes	Caribou	240	Lying Down	SW	650	72	West	No	-96.32384	64.85386	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-11-05	Yes	Caribou	610	Trotting/running	SW	1000	72	West	No	-96.32384	64.85386	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-11-05	Yes	Caribou	16	Foraging	NE	288	72	East	No	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-05	Yes	Caribou	102	Foraging	W	950	74	East	No	-96.33028	64.87523	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-11-05	Yes	Caribou	23	Foraging	SW	900	75	East	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-06	Yes	Caribou	3	Foraging	N/A	150	87	East	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-06	Yes	Caribou	26	Walking	NE	300	72	East	No	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-06	Yes	Caribou	210	Foraging	N/A	1000	72	East	No	-96.32384	64.85386	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-06	Yes	Caribou	140	Foraging	N/A	1000	69	East	No	-96.31427	64.82772	N/A	N/A	No	Exceeded!!	Closed road
Incidental	2025-11-06	Yes	Caribou	8	Standing	N	100	75	East	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-07	Yes	Caribou	2	Foraging	SE	200	89	East	No	-96.21956	64.96744	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-07	Yes	Caribou	3	Lying Down	N/A	50	87	East	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-07	Yes	Caribou	10	Lying Down	N/A	150	79	East	No	-96.31492	64.90953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-07	Yes	Caribou	1	Standing	S	50	77	East	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-07	Yes	Caribou	1	Standing	S	50	76	West	No	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-07	Yes	Caribou	14	Walking	NE	1500	69	East	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-07	Yes	Caribou	375	Walking	NE	1300	75	East	No	-96.33614	64.87946	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-11-07	Yes	Caribou	10	Standing	N/A	200	78	East	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-07	Yes	Muskox	2	Foraging	N/A	25	91	East	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-08	Yes	Caribou	4	Walking	SE	300	86	East	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-08	Yes	Caribou	270	Feeding	W	1	77	East	No	-96.33908	64.89511	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-08	Yes	Caribou	35	Feeding	SW	300	77	East	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-08	Yes	Caribou	133	Feeding	N	2	76	East	No	-96.34565	64.88789	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-08	Yes	Caribou	50	Feeding	N	400	76	East	No	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-08	Yes	Caribou	167	Feeding	SE	100	76	East	No	-96.34565	64.88789	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-08	Yes	Caribou	16	Foraging	SE	800	66	East	No	-96.33501	64.80451	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-08	Yes	Caribou	58	Walking	N	1000	71	East	No	-96.31970	64.84471	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-08	Yes	Caribou	10	Foraging	W	400	76	West,East	Yes	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-08	Yes	Caribou	450	Walking	N	800	76	East	No	-96.34565	64.88789	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-09	Yes	Caribou	881	Walking	W	50	82	West	Yes	-96.31204	64.93060	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-09	Yes	Caribou	1	Walking	SW	500	75	East	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-09	Yes	Arctic fox	1	Feeding	W	50	59	West	Yes	-96.37059	64.74953	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-09	Yes	Muskox	2	Foraging	N/A	100	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-09	Yes	Caribou	387	Foraging	N/A	1000	85	East	No	-96.26143	64.93886	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-10	Yes	Caribou	13	Trotting/running	S	300	72	West	No	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-10	Yes	Caribou	7	Foraging	W	200	68	West	No	-96.32681	64.82032	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-10	Yes	Muskox	2	Foraging	NE	100	91	East	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-11	Yes	Caribou	11	Lying Down	N/A	100	70	West	No	-96.31652	64.83649	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-11	Yes	Caribou	6	Trotting/running	SW	100	60	West	No	-96.36363	64.75548	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-11	Yes	Caribou	9	Standing	E	75	56	East	No	-96.35139	64.72588	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-11	Yes	Caribou	490	Foraging	N/A	200	55	East	No	-96.34597	64.71855	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-11	Yes	Caribou	14	Trotting/running	NE	1000	50	East	No	-96.37310	64.67942	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-11	Yes	Caribou	2	Walking	W	100	45	East	Yes	-96.31336	64.65243	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-11	Yes	Caribou	7	Walking	W	1000	57	East	No	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-11	Yes	Caribou	180	Foraging	N/A	1000	58	East	No	-96.35794	64.74165	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-11	Yes	Caribou	330	Walking	W	2000	60	East	No	-96.36363	64.75548	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-11	Yes	Caribou	45	Foraging	N/A	1250	61	East	No	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-11	Yes	Caribou	3	Standing	N/A	300	64	East	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-11	Yes	Common raven	20	Standing	N/A	0	69	West,East	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-12	Yes	Caribou	183	Foraging	N/A	800	82	West	No	-96.31204	64.93060	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-12	Yes	Caribou	23	Foraging	NE	300	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-12	Yes	Caribou	6	Standing	N/A	400	78	West	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-12	Yes	Caribou	54	Foraging	W	200	77	West	No	-96.33908	64.89511	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-12	Yes	Caribou	22	Foraging	W	100	73	West	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-12	Yes	Caribou	10	Walking	W	0	71	Both	Yes	-96.31970	64.84471	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-12	Yes	Caribou	25	Walking	SW	400	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-12	Yes	Caribou	27	Foraging	W	100	64	West	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-12	Yes	Caribou	15	Foraging	N/A	1000	64	East	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-12	Yes	Caribou	187	Foraging	N	350	57	East	No	-96.36013	64.73137	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-12	Yes	Caribou	495	Foraging	N/A	1000	56	East	No	-96.35139	64.72588	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-12	Yes	Caribou	20	Standing	N/A	700	62	East	No	-96.34440	64.77373	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	9	Foraging	SW	500	71	West	No	-96.31970	64.84471	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	9	Standing	W	200	72	West	No	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	12	Walking	NW	150	73	West	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	5	Walking	NW	600	74	East	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	37	Foraging	N/A	300	74	West	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	58	Foraging	NW	500	75	West	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	9	Foraging	N/A	400	72	West	No	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-11-12	Yes	Caribou	170	Walking	E	0	52	East	Yes	-96.37745	64.70086	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-12	Yes	Caribou	568	Foraging	NW	2000	50	East	No	-96.37310	64.67942	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-12	Yes	Caribou	1020	Foraging	N/A	50	49	West,East	No	-96.37072	64.66880	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-12	Yes	Muskox	11	Lying Down	N/A	500	42	West	No	-96.29490	64.62757	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	48	Foraging	NE	600	40	East	No	-96.28144	64.60429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	59	Walking	N	250	47	East	No	-96.34656	64.65799	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	243	Foraging	N	400	52	East	No	-96.37745	64.70086	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-12	Yes	Caribou	203	Walking	N	1500	53	East	No	-96.37309	64.70606	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-12	Yes	Caribou	90	Foraging	N	2000	57	East	No	-96.36013	64.73137	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-12	Yes	Caribou	4	Foraging	N/A	700	60	East	No	-96.36363	64.75548	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	98	Walking	N	1000	64	East	No	-96.34001	64.78668	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-12	Yes	Caribou	6	Lying Down	N/A	100	73	West	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	17	Walking	NW	200	75	West	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-13	Yes	Caribou	35	Walking	E	400	68	East	No	-96.32681	64.82032	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-13	Yes	Caribou	2144	Walking	N	100	66	East	No	-96.33501	64.80451	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-13	Yes	Caribou	500	Foraging	NE	2000	66	East	No	-96.33501	64.80451	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-13	Yes	Caribou	45	Foraging	W	25	66	West	Yes	-96.33501	64.80451	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-13	Yes	Caribou	42	Walking	E	0	65	West	Yes	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-13	Yes	Caribou	391	Foraging	N	600	64	East	No	-96.34001	64.78668	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-13	Yes	Caribou	7	Walking	N	400	63	East	No	-96.34437	64.77932	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-13	Yes	Caribou	105	Walking	E	900	58	West	No	-96.35794	64.74165	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-13	Yes	Caribou	341	Walking	N	50	58	East	No	-96.35794	64.74165	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-13	Yes	Caribou	73	Foraging	N/A	100	51	West	No	-96.37907	64.69323	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-13	Yes	Caribou	569	Foraging	N/A	100	52	East	No	-96.37745	64.70086	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-13	Yes	Caribou	128	Walking	N	200	50	East	No	-96.37310	64.67942	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-13	Yes	Caribou	568	Foraging	N/A	300	43	East	No	-96.30070	64.63477	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-13	Yes	Caribou	849	Walking	NE	1000	32	East	No	-96.20446	64.56469	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-13	Yes	Caribou	152	Foraging	N/A	800	28	East	No	-96.17013	64.54131	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-13	Yes	Muskox	38	Foraging	N/A	1500	14	East	No	-96.04300	64.43121	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-13	Yes	Caribou	7	Foraging	E	1000	25	East	No	-96.14948	64.51420	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-13	Yes	Caribou	98	Walking	N	800	28	East	No	-96.17013	64.54131	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-11-13	Yes	Caribou	6	Walking	E	0	32	East	Yes	-96.20446	64.56469	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-13	Yes	Caribou	936	Foraging	E	800	43	East	No	-96.30070	64.63477	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-11-13	Yes	Caribou	178	Walking	N	500	50	East	No	-96.37310	64.67942	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-11-13	Yes	Caribou	2583	Walking	W	0	51	East	Yes	-96.37907	64.69323	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-11-13	Yes	Caribou	387	Foraging	N/A	250	54	East	No	-96.35835	64.71319	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-13	Yes	Caribou	362	Foraging	W	400	61	East	No	-96.35467	64.76327	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-13	Yes	Caribou	10	Walking	W	100	66	East	No	-96.33501	64.80451	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-15	Yes	Caribou	71	Standing	W	300	76	West	No	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-15	Yes	Caribou	35	Walking	SW	400	75	West	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-15	Yes	Caribou	5	Walking	S	700	73	East	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-15	Yes	Caribou	7	Foraging	SE	500	69	East	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-15	Yes	Caribou	9	Foraging	N/A	800	64	West	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-15	Yes	Caribou	14	Walking	W	500	63	West	No	-96.34437	64.77932	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-15	Yes	Caribou	64	Foraging	N/A	600	61	West	No	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-15	Yes	Caribou	18	Foraging	N/A	500	50	East	No	-96.37310	64.67942	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-15	Yes	Caribou	32	Walking	N/A	400	42	East	No	-96.29490	64.62757	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-15	Yes	Caribou	17	Walking	SW	700	47	West	No	-96.34656	64.65799	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-15	Yes	Caribou	181	Foraging	N/A	500	60	West	No	-96.36363	64.75548	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-15	Yes	Caribou	14	Walking	SW	600	64	West	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-15	Yes	Caribou	19	Foraging	N/A	500	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-15	Yes	Caribou	6	Walking	S	700	69	East	No	-96.31427	64.82772	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-15	Yes	Caribou	4	Foraging	SE	300	74	East	No	-96.33028	64.87523	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-16	Yes	Caribou	127	Foraging	N/A	300	78	West	No	-96.32437	64.90319	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-16	Yes	Caribou	98	Walking	W	500	75	East	No	-96.33614	64.87946	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-16	Yes	Caribou	24	Foraging	N/A	300	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-16	Yes	Caribou	121	Foraging	N/A	800	64	West	No	-96.34001	64.78668	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-16	Yes	Caribou	7	Standing	N/A	700	63	East	No	-96.34437	64.77932	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-16	Yes	Caribou	219	Foraging	SW	50	62	West	No	-96.34440	64.77373	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-16	Yes	Caribou	42	Walking	E	0	57	West	Yes	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-16	Yes	Caribou	25	Walking	E	0	56	West	Yes	-96.35139	64.72588	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-16	Yes	Caribou	1	Standing	N/A	400	29	East	No	-96.18125	64.54733	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-17	Yes	Muskox	2	Foraging	N/A	50	92	East	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-17	Yes	Caribou	110	Walking	W	0	76	East	Yes	-96.34565	64.88789	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-17	Yes	Caribou	265	Lying Down	N/A	700	72	West	No	-96.32384	64.85386	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-17	Yes	Caribou	324	Foraging	N/A	600	56	West	No	-96.35139	64.72588	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-17	Yes	Caribou	441	Walking	SE	0	50	West	Yes	-96.37310	64.67942	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-17	Yes	Caribou	284	Walking	N	1500	49	East	No	-96.37072	64.66880	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-17	Yes	Caribou	1	Foraging	N/A	50	28	East	No	-96.17013	64.54131	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-17	Yes	Caribou	1	Lying Down	N/A	50	28	East	No	-96.17013	64.54131	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-17	Yes	Caribou	16	Walking	SE	200	47	West	No	-96.34656	64.65799	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-17	Yes	Caribou	138	Foraging	N/A	500	55	West	No	-96.34597	64.71855	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-17	Yes	Caribou	3	Not recorded	NE	400	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-18	Yes	Caribou	25	Walking	E	0	67	West	Yes	-96.32620	64.81233	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-18	Yes	Caribou	6	Walking	S	500	42	West	No	-96.29490	64.62757	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-18	Yes	Caribou	71	Foraging	N/A	500	45	West	No	-96.31336	64.65243	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-18	Yes	Caribou	12	Walking	S	1800	47	West	No	-96.34656	64.65799	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-18	Yes	Caribou	112	Foraging	N/A	900	49	West	No	-96.37072	64.66880	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-11-18	Yes	Caribou	152	Foraging	N/A	700	55	West	No	-96.34597	64.71855	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-11-18	Yes	Caribou	487	Lying Down	N/A	500	68	West	No	-96.32681	64.82032	N/A	N/A	No	Exceeded!!	Road is closed

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-11-18	Yes	Caribou	33	Standing	N/A	900	67	West	No	-96.32620	64.81233	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-18	Yes	Caribou	22	Foraging	N/A	400	75	West	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-19	Yes	Muskox	4	Standing	N/A	800	91	West	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-19	Yes	Caribou	113	Foraging	W	200	82	West	No	-96.31204	64.93060	N/A	N/A	No	Exceeded!!	Road closed already
Road	2025-11-19	Yes	Caribou	21	Walking	E	1000	81	East	No	-96.30208	64.92518	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-19	Yes	Caribou	13	Foraging	N/A	1200	51	West	No	-96.37907	64.69323	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-19	Yes	Caribou	34	Walking	SW	0	48	Both	Yes	-96.36878	64.66417	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-19	Yes	Caribou	13	Resting	N/A	2000	44	West	No	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-20	Yes	Muskox	6	Feeding	N/A	400	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-20	Yes	Caribou	7	Walking	E	350	90	West	No	-96.22208	64.97501	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-20	Yes	Caribou	250	Walking	N	4000	72	East	No	-96.32384	64.85386	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-20	Yes	Caribou	19	Walking	E	4000	65	West	No	-96.34062	64.79480	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-20	Yes	Muskox	17	Feeding	N/A	2500	46	East	No	-96.32957	64.65622	N/A	N/A	No	Exceeded!!	Road close
Road	2025-11-20	Yes	Caribou	17	Walking	NE	2100	46	West	No	-96.32957	64.65622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-20	Yes	Muskox	15	Feeding	N/A	5000	22	East	No	-96.11256	64.49350	N/A	N/A	No	Exceeded!!	Road close
Incidental	2025-11-20	Yes	Caribou	15	Foraging	N	1000	49	West	No	-96.37072	64.66880	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-21	Yes	Muskox	6	Foraging	N/A	50	91	Both	No	-96.22486	64.98469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-21	Yes	Caribou	6	Walking	S	500	72	West	No	-96.32384	64.85386	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-21	Yes	Wolf	1	Walking	SW	2000	78	West	No	-96.32437	64.90319	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-21	Yes	Caribou	7	Walking	SE	50	87	West	No	-96.24102	64.95420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-22	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-11-22	Yes	Muskox	11	Lying Down	N/A	2500	43	East	No	-96.30070	64.63477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-22	Yes	Caribou	10	Walking	NE	100	56	West	No	-96.35139	64.72588	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-22	Yes	Caribou	122	Walking	S	4000	61	West	No	-96.35467	64.76327	N/A	N/A	No	Exceeded!!	Group further than 1.5km
Road	2025-11-23	Yes	Caribou	7	Foraging	N	250	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-23	Yes	Caribou	186	Walking	S	0	87	Both	Yes	-96.24102	64.95420	N/A	N/A	No	Exceeded!!	Road closing
Road	2025-11-23	Yes	Caribou	4	Walking	E	500	61	West	No	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-23	Yes	Caribou	36	Walking	SW	200	57	West	No	-96.36013	64.73137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-23	Yes	Muskox	11	Resting	N/A	3000	43	East	No	-96.30070	64.63477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-23	Yes	Caribou	12	Foraging	W	1000	6	East	No	-96.00083	64.36427	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-23	Yes	Caribou	26	Walking	NE	2000	28	East	No	-96.17013	64.54131	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-23	Yes	Caribou	267	Walking	SW	1500	53	West	No	-96.37309	64.70606	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-24	Yes	Muskox	6	Foraging	N/A	1000	93	East	N/A	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-24	Yes	Caribou	30	Trotting/running	E	0	51	Both	Yes	-96.37907	64.69323	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-24	Yes	Caribou	164	Walking	E	600	33	East	No	-96.21631	64.57146	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-11-25	Yes	Muskox	5	Foraging	N/A	200	92	East	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-25	Yes	Wolf	1	Trotting/running	W	100	82	West	No	-96.31204	64.93060	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-25	Yes	Arctic fox	2	Trotting/running	E	0	43	Both	Yes	-96.30070	64.63477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-25	Yes	Ptarmigan	2	Flying	W	0	40	West	No	-96.28144	64.60429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-25	Yes	Caribou	119	Feeding	N	1700	55	East	No	-96.34597	64.71855	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-11-25	Yes	Caribou	500	Walking	S	300	59	East	No	-96.37059	64.74953	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-11-25	Yes	Caribou	18	Walking	S	500	62	East	No	-96.34440	64.77373	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-25	Yes	Caribou	12	Feeding	N/A	300	64	East	No	-96.34001	64.78668	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-26	Yes	Arctic hare	2	Resting	N/A	0	62	East	No	-96.34440	64.77373	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-26	Yes	Muskox	13	Feeding	N/A	3000	44	East	No	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-26	Yes	Arctic fox	1	Lying Down	N/A	0	44	West	No	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-26	Yes	Caribou	10	Standing	N/A	1000	12	East	No	-96.02992	64.41394	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-26	Yes	Caribou	91	Walking	S	1000	77	East	No	-96.33908	64.89511	N/A	N/A	No	Exceeded!!	Partial road closure
Incidental	2025-11-26	Yes	Caribou	68	Walking	E	3000	73	East	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-26	Yes	Muskox	5	Lying Down	N/A	300	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-27	Yes	Muskox	6	Foraging	N/A	500	93	East	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-27	Yes	Caribou	62	Foraging	N/A	500	70	East	No	-96.31652	64.83649	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-27	Yes	Caribou	2	Walking	S	700	63	East	No	-96.34437	64.77932	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-27	Yes	Muskox	15	Foraging	N/A	600	44	East	No	-96.30352	64.64171	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-11-27	Yes	Caribou	125	Walking	N	3000	41	West	No	-96.28113	64.62028	N/A	N/A	No	Exceeded!!	Road is closed; over the 1.5km from the road
Incidental	2025-11-27	Yes	Wolverine	1	Trotting/running	W	25	37	West	No	-96.26900	64.58416	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-28	Yes	Ptarmigan	1	Flying	E	0	14	Both	Yes	-96.04300	64.43121	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-28	Yes	Common raven	6	Feeding	N/A	2	48	West	No	-96.36878	64.66417	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-28	Yes	Arctic hare	1	Dead	N/A	0	91	East	No	-96.22486	64.98469	N/A	Project related	No	Not Exceeded	N/A
Incidental	2025-11-28	Yes	Muskox	5	Standing	N/A	300	93	East	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-29	Yes	Muskox	8	Foraging	SE	25	94	East	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-11-29	Yes	Caribou	42	Foraging	N/A	1000	66	East	No	-96.33501	64.80451	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-29	Yes	Caribou	16	Walking	NE	800	40	East	No	-96.28144	64.60429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-30	Yes	Arctic fox	2	Running	W	50	3	West	No	-95.98995	64.33765	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-30	Yes	Muskox	1	Foraging	N/A	25	99	West	No	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-30	Yes	Muskox	1	Foraging	S	20	96	East	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-01	Yes	Arctic hare	1	Dead	N/A	0	83	Both	N/A	-96.30111	64.93500	N/A	Project related	No	Not Exceeded	N/A
Road	2025-12-01	Yes	Muskox	1	Lying Down	N/A	30	99	West	No	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-02	Yes	Muskox	4	Feeding	SW	100	95	East	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-12-02	Yes	Muskox	4	Lying Down	N/A	100	96	West,East	N/A	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-02	Yes	Caribou	4	Foraging	N	500	41	East	No	-96.28113	64.62028	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-03	Yes	Muskox	9	Foraging	W	600	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-04	Yes	Muskox	3	Foraging	N/A	500	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-04	Yes	Muskox	11	Lying Down	N/A	750	49	West	No	-96.37072	64.66880	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-04	Yes	Caribou	108	Walking	E	500	41	East	Yes	-96.28113	64.62028	N/A	N/A	No	Exceeded!!	Road will be closed
Road	2025-12-04	Yes	Caribou	25	Walking	E	1250	38	East	No	-96.27582	64.59073	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-04	Yes	Muskox	3	Lying Down	N/A	1000	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-04	Yes	Caribou	25	Standing	N/A	500	62	West	No	-96.34440	64.77373	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-04	Yes	Wolverine	1	Walking	E	750	25	East	No	-96.14948	64.51420	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-05	Yes	Wolverine	1	Trotting/running	S	0	75	Both	No	-96.33614	64.87946	N/A	N/A	No	Not Exceeded	N/A

Table A-1: Wildlife Observations along the All-Weather Access Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-12-05	Yes	Muskox	10	Standing	N/A	600	47	West	No	-96.34656	64.65799	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-06	Yes	Muskox	3	Lying Down	W	200	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-06	Yes	Muskox	10	Foraging	N/A	2000	46	West	No	-96.32957	64.65622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-07	Yes	Common raven	1	Resting	N/A	5	95	East	N/A	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-07	Yes	Muskox	8	Standing	N/A	2000	44	West	N/A	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-12-09	Yes	Muskox	1	Foraging	N/A	25	99	West	N/A	-96.15317	65.04196	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-09	Yes	Muskox	3	Foraging	N/A	1500	96	West	No	-96.18089	65.01810	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-10	Yes	Muskox	9	Foraging	W	2000	42	West	No	-96.29490	64.62757	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-10	Yes	Arctic fox	1	Standing	E	5	43	West	No	-96.30070	64.63477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-10	Yes	Muskox	5	Foraging	W	1000	98	West	No	-96.15765	65.03248	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-11	Yes	Muskox	5	Foraging	N	500	95	West	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-12	Yes	Muskox	6	Feeding	N/A	600	92	West	No	-96.22191	64.99435	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-13	Yes	Muskox	6	Courting	N/A	400	93	East	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-12-14	Yes	Muskox	9	Lying Down	N/A	400	95	East	No	-96.19522	65.01286	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-15	Yes	Muskox	6	Standing	N/A	400	93	East	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-15	Yes	Muskox	12	Foraging	N/A	1500	44	East	No	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-15	Yes	Caribou	3	Foraging	N/A	400	76	East	No	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-17	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-12-19	Yes	Arctic fox	1	Walking	E	0	86	West	No	-96.25280	64.94684	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-19	Yes	Common raven	1	Flying	SE	20	44	East	Yes	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-19	Yes	Common raven	3	Flying	N	20	5	Both	Yes	-95.99998	64.35657	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-19	Yes	Caribou	6	Lying Down	N/A	700	32	East	No	-96.20446	64.56469	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-24	Yes	Muskox	9	Foraging	N/A	1000	93	West	No	-96.22197	65.00077	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-24	Yes	Arctic fox	1	Trotting/running	NE	0	61	West	Yes	-96.35467	64.76327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-24	Yes	Caribou	1	Foraging	SW	700	44	West	No	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-24	Yes	Common raven	1	Flying	S	0	40	West	Yes	-96.28144	64.60429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Muskox	4	Foraging	N/A	1000	94	West	No	-96.21269	65.00751	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Ptarmigan	1	Flying	E	0	76	Both	Yes	-96.34565	64.88789	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Wolverine	1	Foraging	N/A	1000	73	East	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Arctic fox	1	Feeding	N/A	50	73	East	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Arctic hare	2	Walking	E	0	48	East	Yes	-96.36878	64.66417	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-26	Yes	Wolf	1	Feeding	N/A	50	73	East	No	-96.32423	64.86213	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-12-30	Yes	Arctic hare	1	Walking	NW	10	44	West	No	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Wolf	3	Trotting/running	SW	700	44	West	No	-96.30352	64.64171	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-01-10	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-01-12	Yes	Mammal	1	Dead	Not Recorded	0	112	South	Yes	-96.00217	65.05112	N/A	Project related	No	Not Exceeded	N/A
Road	2025-01-13	Yes	Caribou	4	Feeding	Not Recorded	500	112	East	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-14	Yes	Caribou	25	Feeding	Not Recorded	700	145	East	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-01-20	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-01-22	Yes	Wolf	7	Feeding	N/A	100	138	West	Yes	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-22	Yes	Caribou	4	Feeding	N/A	100	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-22	Yes	Arctic hare	1	Dead	Not Recorded	0	124	South	Yes	-96.10808	65.13155	N/A	Project related	No	Not Exceeded	N/A
Incidental	2025-01-23	Yes	Caribou	14	Foraging	N/A	400	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-01-25	Yes	Muskox	2	Foraging	N/A	350	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-25	Yes	Wolf	7	Trotting/running	N	0	144	West	Yes	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-01-27	Yes	Arctic fox	1	Running	S	5	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-01-27	Yes	Muskox	3	Foraging	N/A	350	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-06	Yes	Caribou	6	Standing	Not Recorded	3000	144	East	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-06	Yes	Caribou	6	Resting	Not Recorded	1000	139	East	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-06	Yes	Wolf	1	Walking	E	500	112	East	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-06	Yes	Muskox	6	Feeding	N/A	500	154	East	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-11	Yes	Muskox	2	Feeding	Not Recorded	300	166	East	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-11	Yes	Caribou	2	Foraging	N/A	800	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-14	Yes	Caribou	1	Dead	E	0	113	West	Yes	-95.99327	65.05880	N/A	Project related	No	Not Exceeded	N/A
Road	2025-02-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-02-15	Yes	Muskox	2	Standing	Not Recorded	1500	149	East	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-02-17	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-02-22	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-02-26	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-03-01	Yes	Muskox	6	Lying Down	N/A	700	154	East	N/A	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-08	Yes	Caribou	2	Foraging	N/A	500	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-08	Yes	Muskox	9	Foraging	N/A	50	154	East	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-03-15	Yes	Caribou	2	Feeding	N/A	50	178	East	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-03-16	Yes	Caribou	2	Foraging	N/A	600	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-22	Yes	Muskox	4	Foraging	N/A	1500	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-22	Yes	Muskox	9	Foraging	N/A	2000	149	East	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-22	Yes	Arctic hare	1	Alert	E	10	150	East	Yes	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-22	Yes	Arctic fox	1	Running	NW	100	167	East	N/A	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-03-22	Yes	Muskox	11	Lying Down	N/A	1500	126	East	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-26	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-03-26	Yes	Arctic fox	1	Walking	N/A	0	115	West	N/A	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-30	Yes	Caribou	19	Foraging	N/A	600	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-30	Yes	Caribou	12	Foraging	N/A	2500	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-30	Yes	Caribou	5	Walking	E	1700	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-30	Yes	Caribou	12	Resting	N/A	1500	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-03-31	Yes	Caribou	2	Foraging	N/A	50	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-01	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-04-01	Yes	Arctic fox	1	Walking	SE	5	178	Both	Yes	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-02	Yes	Arctic fox	1	Walking	S	100	115	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-04	Yes	Caribou	44	Walking	S	1500	123	West	No	-96.10441	65.12217	N/A	N/A	No	Exceeded!!	Group further than 1.5km
Road	2025-04-04	Yes	Muskox	23	Foraging	N/A	2000	145	East	No	-96.37690	65.22422	N/A	N/A	No	Exceeded!!	Further than 500m from road, no mitigation needed
Incidental	2025-04-04	Yes	Caribou	39	Feeding	N/A	1500	121	West	No	-96.08638	65.10712	N/A	N/A	No	Exceeded!!	Group further than 1.5km
Road	2025-04-05	Yes	Caribou	65	Foraging	N/A	1000	160	West	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-05	Yes	Caribou	2	Foraging	NW	250	142	West	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-05	Yes	Caribou	1	Walking	NE	500	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-05	Yes	Caribou	200	Walking	W	1500	121	West	No	-96.08638	65.10712	N/A	N/A	No	Exceeded!!	Road closed from the previous group
Road	2025-04-05	Yes	Caribou	31	Walking	E	300	112	West	Yes	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-05	Yes	Caribou	13	Foraging	N/A	1000	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-05	Yes	Muskox	3	Foraging	N/A	400	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-05	Yes	Muskox	8	Foraging	N/A	500	154	East	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-05	Yes	Muskox	33	Lying Down	N/A	400	157	East	No	-96.41584	65.27123	N/A	N/A	No	Exceeded!!	Road closure due to caribou migration
Incidental	2025-04-05	Yes	Caribou	11	Walking	W	800	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-05	Yes	Caribou	2	Feeding	Not Recorded	200	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-06	Yes	Caribou	4	Walking	SW	1000	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-06	Yes	Caribou	21	Walking	S	400	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-06	Yes	Muskox	34	Feeding	N/A	75	156	East	No	-96.45207	65.26222	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-04-06	Yes	Caribou	15	Lying Down	N/A	500	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-06	Yes	Caribou	30	Walking	NW	800	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-06	Yes	Caribou	40	Feeding	N/A	700	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road to remain closed.
Incidental	2025-04-06	Yes	Caribou	15	Feeding	N/A	250	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-06	Yes	Muskox	10	Standing	N/A	2000	146	East	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-06	Yes	Caribou	38	Feeding	N/A	200	143	West	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Road remained closed
Road	2025-04-07	Yes	Caribou	18	Walking	SW	1000	163	West	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-07	Yes	Caribou	1	Walking	NE	500	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-07	Yes	Caribou	50	Foraging	N/A	500	160	West	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road already closed
Road	2025-04-07	Yes	Caribou	20	Foraging	N/A	900	158	West	No	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-07	Yes	Muskox	34	Foraging	N/A	800	154	West	No	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road already closed
Road	2025-04-07	Yes	Muskox	4	Foraging	N/A	100	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-07	Yes	Caribou	10	Foraging	N/A	700	131	East	N/A	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-07	Yes	Caribou	100	Foraging	N/A	300	157	West	N/A	-96.41584	65.27123	N/A	N/A	No	Exceeded!!	Road is closed - observed during northbound convoy
Road	2025-04-08	Yes	Caribou	200	Foraging	N/A	400	157	West	No	-96.41584	65.27123	N/A	N/A	No	Exceeded!!	Road already closed Covoy for2 buses, grader and cube truck
Road	2025-04-08	Yes	Caribou	8	Foraging	N/A	400	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-04-08	Yes	Caribou	2	Foraging	N/A	200	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-08	Yes	Caribou	7	Foraging	N/A	700	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-08	Yes	Caribou	22	Trotting/running	SW	900	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-08	Yes	Caribou	13	Foraging	N/A	800	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-08	Yes	Caribou	80	Foraging	N/A	500	122	West	No	-96.09715	65.11477	N/A	N/A	No	Exceeded!!	Road already closed
Incidental	2025-04-08	Yes	Caribou	11	Foraging	N/A	600	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-08	Yes	Muskox	9	Foraging	N/A	800	154	East	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-08	Yes	Muskox	23	Foraging	N/A	600	154	West	No	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road already closed
Incidental	2025-04-08	Yes	Muskox	20	Lying Down	N/A	1000	154	West	No	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-10	Yes	Caribou	11	Alert	E	400	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Caribou	21	Walking	W	800	163	West	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Caribou	24	Walking	W	200	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Muskox	31	Lying Down	Not Recorded	1000	157	East	No	-96.41584	65.27123	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-10	Yes	Muskox	39	Alert	Not Recorded	100	152	West	No	-96.47617	65.24176	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-10	Yes	Arctic hare	1	Running	E	20	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Caribou	26	Standing	Not Recorded	200	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Caribou	19	Feeding	Not Recorded	400	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-10	Yes	Caribou	109	Walking	S	300	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-10	Yes	Caribou	17	Foraging	N/A	800	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-10	Yes	Caribou	23	Walking	N	500	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-10	Yes	Caribou	200	Walking	N	500	121	West	No	-96.08638	65.10712	N/A	N/A	No	Exceeded!!	The road is closed due to the 10-days closure measures. Convoy slowed down until the group was crossed.
Incidental	2025-04-10	Yes	Arctic hare	1	Trotting/running	NW	0	141	East	Yes	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-10	Yes	Muskox	4	Standing	N/A	300	142	West	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	11	Foraging	N/A	200	110	East	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	210	Walking	S	1500	123	West	No	-96.10441	65.12217	N/A	N/A	No	Exceeded!!	WTHR is closed
Incidental	2025-04-12	Yes	Caribou	41	Walking	N	2	129	West	No	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	WTHR is closed
Incidental	2025-04-12	Yes	Caribou	45	Foraging	N/A	900	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	WTHR is closed
Incidental	2025-04-12	Yes	Caribou	31	Resting	N/A	1500	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	43	Resting	Not Recorded	500	135	West	No	-96.20801	65.20890	N/A	N/A	No	Exceeded!!	WTHR is closed
Incidental	2025-04-12	Yes	Caribou	111	Walking	W	1000	136	West	No	-96.22740	65.21308	N/A	N/A	No	Exceeded!!	WTHR is closed
Road	2025-04-12	Yes	Caribou	7	Running	S	150	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-12	Yes	Caribou	4	Running	W	100	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-12	Yes	Caribou	300	Walking	W	400	139	West	No	-96.27997	65.22686	N/A	N/A	No	Exceeded!!	Road closed for 10 day lead caribou shutdown
Road	2025-04-12	Yes	Caribou	28	Walking	W	300	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-12	Yes	Caribou	70	Walking	N	700	134	West	No	-96.19286	65.20481	N/A	N/A	No	Exceeded!!	WTHR IS CLOSED
Road	2025-04-12	Yes	Caribou	40	Walking	E	500	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	WTHR ISCLOSED
Road	2025-04-12	Yes	Caribou	38	Feeding	Not Recorded	800	122	West	No	-96.09715	65.11477	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-04-12	Yes	Caribou	45	Walking	NW	800	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-12	Yes	Caribou	40	Walking	S	2000	111	West	No	-96.02402	65.04815	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-12	Yes	Caribou	45	Walking	S	500	129	West	No	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-04-12	Yes	Caribou	37	Walking	N	100	135	West	No	-96.20801	65.20890	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-04-12	Yes	Caribou	43	Foraging	N/A	1500	135	West	No	-96.20801	65.20890	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-04-12	Yes	Muskox	29	Standing	N/A	300	154	East	No	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-04-12	Yes	Caribou	4	Feeding	Not Recorded	50	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	17	Feeding	N/A	2000	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	21	Lying Down	N/A	200	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	9	Standing	N/A	1750	139	West	No	-96.01430	64.38902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	80	Running	N	3000	130	West	No	-96.15280	65.17815	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-04-12	Yes	Caribou	109	Walking	S	1000	129	West	No	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-04-12	Yes	Caribou	16	Running	SW	500	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	37	Walking	E	1500	112	East	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-04-12	Yes	Caribou	33	Trotting/running	S	250	125	West	N/A	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Muskox	34	Foraging	N/A	500	154	East	No	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road is closed.
Incidental	2025-04-12	Yes	Wolf	1	Trotting/running	E	1	156	West,East	Yes	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	6	Alert	N	600	158	West	N/A	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-12	Yes	Caribou	130	Walking	SE	800	166	West	N/A	-96.48819	65.32529	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-14	Yes	Muskox	35	Foraging	N/A	300	154	East	No	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road is closed due to caribou migration.
Road	2025-04-14	Yes	Muskox	66	Foraging	N/A	2000	155	West	No	-96.43417	65.26761	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-04-14	Yes	Caribou	26	Walking	NE	300	148	West	N/A	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-14	Yes	Muskox	4	Walking	NE	0	142	East	Yes	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-14	Yes	Caribou	8	Walking	E	300	114	East	N/A	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-14	Yes	Caribou	56	Walking	E	0	113	West	Yes	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-04-14	Yes	Caribou	14	Foraging	N/A	400	112	East	N/A	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-14	Yes	Caribou	15	Foraging	W	75	111	West	Yes	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-14	Yes	Caribou	8	Walking	S	1000	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-14	Yes	Caribou	110	Alert	Not Recorded	400	124	West	No	-96.10808	65.13155	N/A	N/A	No	Exceeded!!	WTHR IS CLOSED
Incidental	2025-04-14	Yes	Muskox	11	Feeding	Not Recorded	2000	114	East	No	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-14	Yes	Caribou	7	Foraging	N/A	500	113	West	N/A	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-14	Yes	Caribou	13	Walking	SE	500	114	West	N/A	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-14	Yes	Caribou	17	Walking	S	400	128	West	N/A	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-14	Yes	Caribou	55	Walking	S	300	129	West	N/A	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-04-14	Yes	Caribou	220	Walking	S	250	138	West	N/A	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Road is closed for 10 day closure
Incidental	2025-04-14	Yes	Muskox	48	Foraging	N/A	450	142	West	No	-96.33710	65.22219	N/A	N/A	No	Exceeded!!	Road 10 day closure
Incidental	2025-04-14	Yes	Caribou	40	Walking	S	1000	147	West	N/A	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road closed.
Incidental	2025-04-14	Yes	Caribou	300	Walking	S	500	161	West	No	-96.41207	65.30324	N/A	N/A	No	Exceeded!!	Road is closed due to caribou migration
Road	2025-04-16	Yes	Caribou	53	Walking	S	350	175	West	N/A	-96.60237	65.37726	N/A	N/A	No	Exceeded!!	Road is closed.
Road	2025-04-16	Yes	Caribou	15	Walking	NE	500	167	West	N/A	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-04-16	Yes	Caribou	250	Lying Down	N/A	1000	159	West	N/A	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-04-16	Yes	Caribou	163	Resting	N/A	150	156	West	N/A	-96.45207	65.26222	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-16	Yes	Muskox	8	Foraging	N/A	100	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-16	Yes	Muskox	22	Lying Down	N/A	1000	154	West	No	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-04-16	Yes	Caribou	7	Walking	S	500	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-16	Yes	Caribou	2	Walking	SE	600	131	West	N/A	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-16	Yes	Caribou	41	Walking	SW	600	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-04-16	Yes	Caribou	176	Walking	S	300	120	West	No	-96.07280	65.10021	N/A	N/A	No	Exceeded!!	Road close
Incidental	2025-04-16	Yes	Muskox	24	Foraging	N/A	100	142	West,East	No	-96.33710	65.22219	N/A	N/A	No	Exceeded!!	Road is closed.
Incidental	2025-04-16	Yes	Muskox	22	Lying Down	N/A	150	150	East	No	-96.45008	65.23022	N/A	N/A	No	Exceeded!!	Road is closed.
Incidental	2025-04-16	Yes	Muskox	9	Lying Down	N/A	50	153	West,East	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-16	Yes	Caribou	250	Standing	N/A	50	156	West	No	-96.45207	65.26222	N/A	N/A	No	Exceeded!!	Road is closed.
Incidental	2025-04-16	Yes	Caribou	50	Walking	S	650	158	West	No	-96.40471	65.27776	N/A	N/A	No	Exceeded!!	Road is closed.
Incidental	2025-04-16	Yes	Caribou	43	Foraging	N/A	800	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road is closed.
Incidental	2025-04-16	Yes	Caribou	36	Running	W	900	160	West	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-16	Yes	Caribou	175	Trotting/running	W	500	176	West	No	-96.60379	65.38622	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-04-18	Yes	Caribou	21	Trotting/running	W	300	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-18	Yes	Caribou	59	Trotting/running	S	500	168	West	No	-96.52405	65.33352	N/A	N/A	No	Exceeded!!	The road is closed to all traffic
Road	2025-04-18	Yes	Caribou	4	Trotting/running	W	300	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-18	Yes	Muskox	8	Foraging	N/A	75	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-18	Yes	Caribou	20	Walking	S	500	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-18	Yes	Muskox	32	Lying Down	N/A	250	152	East	No	-96.47617	65.24176	N/A	N/A	No	Exceeded!!	The road is closed to all traffic
Road	2025-04-18	Yes	Caribou	72	Walking	S	700	151	West	No	-96.46622	65.23447	N/A	N/A	No	Exceeded!!	The road is closed to all traffic
Road	2025-04-18	Yes	Muskox	4	Foraging	N/A	50	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-18	Yes	Caribou	65	Walking	E	750	115	South	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-18	Yes	Caribou	69	Foraging	N/A	500	111	West	No	-96.02402	65.04815	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-18	Yes	Caribou	17	Walking	N	1000	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-18	Yes	Caribou	71	Standing	N/A	1000	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road Closed Convoy, slowing down and stopping if necessary
Incidental	2025-04-18	Yes	Caribou	3	Walking	N	800	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-18	Yes	Caribou	6	Walking	S	800	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-18	Yes	Caribou	131	Lying Down	N/A	500	154	West	No	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-18	Yes	Caribou	64	Walking	S	1200	160	West	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-18	Yes	Caribou	3	Walking	S	800	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-19	Yes	Caribou	82	Foraging	N/A	550	113	West	No	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road is closed.
Incidental	2025-04-19	Yes	Caribou	150	Walking	SE	150	114	West	Yes	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-19	Yes	Caribou	2	Standing	N/A	800	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-19	Yes	Muskox	32	Resting	N/A	100	153	Both	No	-96.47626	65.24823	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Road	2025-04-21	Yes	Muskox	32	Resting	N/A	75	153	Both	No	-96.47626	65.24823	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-21	Yes	Caribou	12	Walking	W	300	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-21	Yes	Muskox	9	Foraging	N/A	300	123	East	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-22	Yes	Muskox	7	Foraging	N/A	600	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-22	Yes	Caribou	8	Walking	N	700	160	North	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-22	Yes	Caribou	9	Foraging	N/A	600	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-22	Yes	Caribou	22	Walking	N	800	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-23	Yes	Caribou	24	Walking	N	300	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-23	Yes	Caribou	24	Walking	N	1000	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-24	Yes	Muskox	7	Feeding	Not Recorded	600	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-24	Yes	Muskox	32	Feeding	Not Recorded	300	145	East	No	-96.37690	65.22422	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-04-24	Yes	Caribou	50	Running	S	300	118	West	Yes	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-24	Yes	Caribou	39	Walking	S	300	114	West	Yes	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Road Closed Convoy, traffic stopped on road
Incidental	2025-04-24	Yes	Caribou	20	Walking	S	300	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-24	Yes	Caribou	105	Walking	W	800	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Convoy, road closure
Incidental	2025-04-24	Yes	Caribou	7	Walking	W	1200	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-24	Yes	Caribou	475	Walking	E	1000	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-25	Yes	Caribou	30	Walking	S	700	158	West	No	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Muskox	9	Standing	Not Recorded	1000	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Muskox	48	Feeding	Not Recorded	800	150	West	No	-96.45008	65.23022	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-25	Yes	Caribou	18	Walking	S	500	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Caribou	53	Alert	E	100	113	West	No	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-25	Yes	Caribou	270	Feeding	N/A	500	113	East	No	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-25	Yes	Caribou	20	Lying Down	N/A	1000	114	West	No	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Caribou	162	Feeding	Not Recorded	800	120	West	No	-96.07280	65.10021	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-25	Yes	Caribou	8	Alert	N/A	1200	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Caribou	33	Lying Down	N/A	1000	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Caribou	30	Running	NE	600	143	West	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Muskox	4	Alert	N/A	100	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Caribou	21	Feeding	N/A	200	145	East	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Caribou	15	Alert	N/A	500	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Muskox	39	Feeding	N/A	1000	151	West	No	-96.46622	65.23447	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-25	Yes	Muskox	7	Feeding	N/A	1200	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Caribou	147	Feeding	N/A	900	161	West	No	-96.41207	65.30324	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-25	Yes	Caribou	74	Walking	S	300	166	West	No	-96.48819	65.32529	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-25	Yes	Caribou	112	Feeding	N/A	300	172	West	No	-96.58667	65.35504	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-25	Yes	Caribou	26	Walking	SW	500	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-25	Yes	Caribou	2	Walking	SW	1500	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-25	Yes	Caribou	30	Standing	N/A	800	146	West	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-25	Yes	Caribou	22	Walking	N	1500	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-25	Yes	Caribou	50	Lying Down	N/A	1200	120	West	No	-96.07280	65.10021	N/A	N/A	No	Exceeded!!	Road closed

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-04-25	Yes	Caribou	9	Feeding	N/A	500	112	East	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-26	Yes	Caribou	260	Foraging	N/A	60	174	West	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road already closed
Road	2025-04-26	Yes	Wolf	7	Trotting/running	S	0	169	East	Yes	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-26	Yes	Caribou	57	Lying Down	N/A	200	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road already closed
Road	2025-04-26	Yes	Caribou	48	Lying Down	N/A	400	162	West	No	-96.41680	65.31155	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-26	Yes	Caribou	76	Foraging	N/A	500	160	West	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-26	Yes	Caribou	14	Foraging	N/A	700	149	West	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-26	Yes	Caribou	62	Lying Down	N/A	500	147	West	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road already closed
Road	2025-04-26	Yes	Caribou	152	Alert	SE	50	147	West	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road already closed
Road	2025-04-26	Yes	Caribou	12	Foraging	W	300	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-26	Yes	Caribou	14	Walking	E	200	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-26	Yes	Caribou	23	Walking	E	200	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-26	Yes	Caribou	6	Foraging	E	200	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-26	Yes	Caribou	13	Walking	E	400	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-26	Yes	Caribou	179	Foraging	N/A	400	122	West	No	-96.09715	65.11477	N/A	N/A	No	Exceeded!!	Road already closed
Incidental	2025-04-26	Yes	Caribou	76	Foraging	N/A	200	136	West	No	-96.22740	65.21308	N/A	N/A	No	Exceeded!!	Road already closed
Incidental	2025-04-26	Yes	Caribou	128	Lying Down	N/A	400	136	West	No	-96.22740	65.21308	N/A	N/A	No	Exceeded!!	Road already closed
Incidental	2025-04-26	Yes	Caribou	47	Walking	E	200	147	West	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-26	Yes	Caribou	216	Foraging	N/A	300	156	West	No	-96.45207	65.26222	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-26	Yes	Caribou	119	Lying Down	N/A	200	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-26	Yes	Caribou	867	Foraging	N/A	20	173	West	No	-96.60297	65.35972	N/A	N/A	No	Exceeded!!	Road already closed
Road	2025-04-27	Yes	Caribou	271	Lying Down	N/A	1000	176	West	No	-96.60379	65.38622	N/A	N/A	No	Exceeded!!	Road closed, env monitoring
Road	2025-04-27	Yes	Caribou	2	Foraging	S	300	175	East	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-27	Yes	Caribou	388	Foraging	N/A	100	173	West	No	-96.60297	65.35972	N/A	N/A	No	Exceeded!!	Road closure, env monitoring
Road	2025-04-27	Yes	Wolf	4	Running	W	300	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-27	Yes	Caribou	141	Lying Down	N/A	200	157	West	No	-96.41584	65.27123	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-04-27	Yes	Muskox	34	Lying Down	N/A	50	156	East	No	-96.45207	65.26222	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-04-27	Yes	Muskox	34	Lying Down	N/A	500	151	West	No	-96.46622	65.23447	N/A	N/A	No	Exceeded!!	Road closure, env monitoring
Road	2025-04-27	Yes	Caribou	15	Foraging	N/A	300	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-27	Yes	Caribou	46	Foraging	N/A	300	145	West	No	-96.37690	65.22422	N/A	N/A	No	Exceeded!!	Road closure, env monitoring
Road	2025-04-27	Yes	Caribou	6	Walking	N	300	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-27	Yes	Caribou	155	Foraging	N/A	400	135	West	No	-96.20801	65.20890	N/A	N/A	No	Exceeded!!	Road closure, env monitoring
Road	2025-04-27	Yes	Caribou	16	Walking	S	200	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-27	Yes	Caribou	17	Walking	S	700	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-27	Yes	Caribou	15	Walking	S	500	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-27	Yes	Caribou	59	Walking	S	400	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road closure, env monitoring
Road	2025-04-27	Yes	Caribou	13	Walking	S	600	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-27	Yes	Caribou	122	Walking	N/A	500	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road closure, env monitoring
Incidental	2025-04-27	Yes	Caribou	744	Walking	S	700	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closure, env monitoring
Incidental	2025-04-27	Yes	Caribou	15	Walking	S	400	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-27	Yes	Caribou	434	Walking	S	400	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road closure, env monitoring
Incidental	2025-04-27	Yes	Caribou	131	Foraging	N/A	100	178	West	No	-96.62190	65.40086	N/A	N/A	No	Exceeded!!	Road closure, env monitoring
Road	2025-04-28	Yes	Caribou	53	Feeding	N/A	1200	113	East	No	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-28	Yes	Caribou	17	Walking	N	300	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Caribou	19	Walking	E	1500	117	East	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Caribou	10	Feeding	N/A	500	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-28	Yes	Caribou	45	Feeding	N/A	800	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-28	Yes	Caribou	7	Foraging	N/A	400	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Caribou	54	Lying Down	N/A	200	173	West	No	-96.60297	65.35972	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Road	2025-04-28	Yes	Caribou	15	Walking	S	500	172	West	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Caribou	59	Walking	S	200	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Road	2025-04-28	Yes	Caribou	214	Foraging	N/A	150	168	West	No	-96.52405	65.33352	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Road	2025-04-28	Yes	Caribou	10	Walking	S	300	159	West	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Caribou	165	Foraging	N/A	300	158	West	No	-96.40471	65.27776	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Road	2025-04-28	Yes	Muskox	34	Lying Down	N/A	500	157	West	No	-96.41584	65.27123	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Road	2025-04-28	Yes	Muskox	9	Foraging	N/A	600	155	West	No	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Muskox	34	Foraging	N/A	600	150	West	No	-96.45008	65.23022	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Road	2025-04-28	Yes	Caribou	98	Alert	N/A	150	149	West	No	-96.44264	65.22327	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Road	2025-04-28	Yes	Caribou	16	Walking	S	1500	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Caribou	2	Walking	E	100	146	East	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Caribou	109	Walking	S	300	135	West	No	-96.20801	65.20890	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Road	2025-04-28	Yes	Wolf	3	Running	E	100	126	East	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Caribou	34	Foraging	N/A	200	125	East	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-28	Yes	Caribou	107	Walking	S	300	120	West	No	-96.07280	65.10021	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Road	2025-04-28	Yes	Caribou	64	Walking	S	600	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-28	Yes	Caribou	97	Walking	E	0	112	West,East	Yes	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-28	Yes	Caribou	7	Walking	S	700	114	West	No	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-28	Yes	Caribou	8	Walking	S	200	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-28	Yes	Caribou	65	Walking	S	800	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-28	Yes	Caribou	88	Walking	S	200	123	West	No	-96.10441	65.12217	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-28	Yes	Caribou	8	Walking	S	1000	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-28	Yes	Caribou	74	Walking	N	400	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-28	Yes	Caribou	7	Foraging	N/A	100	134	East	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-28	Yes	Caribou	76	Foraging	N/A	800	138	West	No	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-28	Yes	Caribou	34	Walking	S	800	158	West	No	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-28	Yes	Caribou	66	Walking	S	400	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-28	Yes	Caribou	145	Walking	E	0	162	West,East	Yes	-96.41680	65.31155	N/A	N/A	No	Exceeded!!	Road Closed Convoy
Incidental	2025-04-28	Yes	Caribou	20	Foraging	N/A	200	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-29	Yes	Caribou	196	Foraging	N/A	100	177	West	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road closed

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-04-29	Yes	Caribou	25	Foraging	N/A	400	172	West	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-29	Yes	Caribou	31	Foraging	N/A	200	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-29	Yes	Caribou	17	Walking	SW	500	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-29	Yes	Caribou	56	Foraging	SE	10	163	Both	Yes	-96.43040	65.31741	N/A	N/A	No	Exceeded!!	Road closed Turing around
Road	2025-04-29	Yes	Caribou	47	Walking	NE	200	161	West	No	-96.41207	65.30324	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-29	Yes	Caribou	68	Walking	W	300	158	West	No	-96.40471	65.27776	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-29	Yes	Muskox	45	Lying Down	N/A	500	157	West	No	-96.41584	65.27123	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-29	Yes	Caribou	12	Foraging	N/A	1000	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-29	Yes	Caribou	52	Walking	SW	500	153	West	No	-96.47626	65.24823	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-29	Yes	Caribou	43	Foraging	N/A	20	153	Both	No	-96.47626	65.24823	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-29	Yes	Caribou	53	Foraging	N/A	50	152	West	No	-96.47617	65.24176	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-29	Yes	Caribou	54	Foraging	N/A	500	144	West	No	-96.39103	65.22581	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-29	Yes	Caribou	20	Foraging	N/A	400	141	West	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-29	Yes	Caribou	5	Walking	SE	600	138	East	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-29	Yes	Caribou	8	Walking	SE	700	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-29	Yes	Caribou	17	Walking	E	1000	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-29	Yes	Caribou	16	Walking	E	300	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-29	Yes	Caribou	72	Walking	E	300	128	West	No	-96.13583	65.16137	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-29	Yes	Caribou	30	Walking	E	400	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	117	Walking	E	1000	111	West	No	-96.02402	65.04815	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-29	Yes	Caribou	114	Walking	SE	300	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-29	Yes	Wolverine	1	Running	N	5	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	18	Walking	E	600	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	20	Foraging	E	600	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	11	Foraging	Not Recorded	50	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	43	Walking	E	2000	120	West	No	-96.07280	65.10021	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-29	Yes	Caribou	8	Trotting/running	E	100	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	43	Walking	E	200	124	West	No	-96.10808	65.13155	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-29	Yes	Caribou	20	Foraging	E	1500	125	East	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	5	Walking	E	600	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	11	Walking	E	1500	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Wolverine	1	Running	W	400	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	17	Foraging	N/A	300	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	12	Walking	E	2000	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	9	Foraging	N/A	600	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	74	Walking	E	1000	140	West	No	-96.29851	65.22197	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-29	Yes	Muskox	43	Lying Down	N/A	900	145	East	No	-96.37690	65.22422	N/A	N/A	No	Exceeded!!	Road closed for migration
Incidental	2025-04-29	Yes	Muskox	3	Lying Down	N/A	100	145	West	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	6	Foraging	N/A	150	145	West	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	57	Walking	E	3000	146	West	No	-96.39801	65.22627	N/A	N/A	No	Exceeded!!	Road already closed
Incidental	2025-04-29	Yes	Caribou	2	Walking	SW	80	150	West	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-29	Yes	Caribou	6	Walking	W	200	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-30	Yes	Caribou	127	Foraging	N/A	30	160	West	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road already closed Leading convoy, 2 busses and grader
Road	2025-04-30	Yes	Muskox	32	Lying Down	N/A	20	158	West	No	-96.40471	65.27776	N/A	N/A	No	Exceeded!!	Road closed for migration
Road	2025-04-30	Yes	Caribou	203	Walking	W	100	148	West	No	-96.42744	65.22048	N/A	N/A	No	Exceeded!!	Road close
Road	2025-04-30	Yes	Muskox	5	Foraging	N/A	100	144	West	No	-96.36418	65.22252	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-30	Yes	Caribou	10	Foraging	SW	200	144	West	No	-96.36145	65.22288	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-30	Yes	Caribou	80	Walking	E	200	143	West	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-04-30	Yes	Caribou	4	Walking	SW	400	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-04-30	Yes	Caribou	47	Walking	E	500	114	West	No	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Road already closed
Road	2025-04-30	Yes	Caribou	89	Lying Down	N/A	500	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road already closed
Road	2025-04-30	Yes	Caribou	22	Foraging	N/A	50	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-30	Yes	Caribou	64	Foraging	N/A	500	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closed, leading convoy NB
Incidental	2025-04-30	Yes	Caribou	37	Walking	E	400	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-30	Yes	Wolverine	1	Walking	NW	50	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-30	Yes	Caribou	157	Walking	NE	100	142	West	No	-96.33710	65.22219	N/A	N/A	No	Exceeded!!	Road closed already
Incidental	2025-04-30	Yes	Caribou	56	Foraging	N/A	100	145	West	No	-96.37690	65.22422	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-30	Yes	Caribou	112	Foraging	N/A	200	146	West	No	-96.39801	65.22627	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-30	Yes	Caribou	48	Foraging	N/A	400	148	West	No	-96.42744	65.22048	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-30	Yes	Caribou	9	Walking	NE	500	149	West	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-30	Yes	Caribou	48	Foraging	N/A	50	156	West	No	-96.45207	65.26222	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-30	Yes	Caribou	56	Walking	N	200	156	West	No	-96.45207	65.26222	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-30	Yes	Caribou	26	Foraging	N/A	600	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-30	Yes	Caribou	5	Foraging	N/A	1000	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-30	Yes	Caribou	175	Foraging	E	1000	179	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-04-30	Yes	Caribou	94	Walking	SE	900	107	West	No	-96.07193	65.02338	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-30	Yes	Caribou	38	Standing	N/A	900	109	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-04-30	Yes	Caribou	32	Walking	E	800	120	South,West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-30	Yes	Caribou	8	Standing	N/A	700	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-30	Yes	Caribou	3	Standing	N/A	500	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-04-30	Yes	Caribou	83	Walking	E	200	115	South,West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-01	Yes	Caribou	25	Feeding	N/A	400	110	East	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-01	Yes	Caribou	17	Walking	E	300	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-01	Yes	Caribou	25	Walking	W	400	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-01	Yes	Caribou	19	Lying Down	N/A	500	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-01	Yes	Caribou	287	Foraging	N/A	50	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road closed, leading convoy
Road	2025-05-01	Yes	Caribou	418	Lying Down	N/A	1000	168	West	No	-96.52405	65.33352	N/A	N/A	No	Exceeded!!	Road,closed, convoy
Road	2025-05-01	Yes	Caribou	21	Lying Down	N/A	40	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-01	Yes	Caribou	50	Foraging	N/A	30	165	West	No	-96.46782	65.32389	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-01	Yes	Caribou	90	Walking	W	500	165	West	No	-96.46782	65.32389	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-01	Yes	Muskox	39	Foraging	N/A	200	158	West	No	-96.40471	65.27776	N/A	N/A	No	Exceeded!!	Road closed for migration
Road	2025-05-01	Yes	Caribou	11	Walking	W	300	158	West	No	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-01	Yes	Caribou	186	Foraging	N/A	10	157	West	No	-96.41584	65.27123	N/A	N/A	No	Exceeded!!	Rosd closed
Road	2025-05-01	Yes	Caribou	65	Walking	W	500	153	West	No	-96.47626	65.24823	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-01	Yes	Muskox	32	Foraging	N/A	100	150	West	No	-96.45008	65.23022	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-01	Yes	Caribou	276	Walking	E	100	147	West	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-01	Yes	Caribou	156	Foraging	N/A	500	142	West	No	-96.33710	65.22219	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-01	Yes	Caribou	3	Foraging	N/A	200	141	West	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-01	Yes	Caribou	12	Walking	E	200	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-01	Yes	Caribou	6	Walking	E	700	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-01	Yes	Caribou	68	Foraging	N/A	400	124	West	No	-96.10808	65.13155	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-01	Yes	Caribou	278	Walking	E	500	123	West	No	-96.10441	65.12217	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-01	Yes	Caribou	40	Walking	E	500	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road closed, convoy
Incidental	2025-05-01	Yes	Muskox	20	Foraging	N/A	500	146	East	No	-96.39801	65.22627	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-01	Yes	Caribou	2	Walking	E	200	168	East	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	7	Standing	N/A	1000	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	31	Walking	NE	1500	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	38	Walking	E	700	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-05-02	Yes	Caribou	16	Walking	SE	1500	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	16	Walking	E	300	115	East	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	36	Walking	NE	900	114	West	No	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Road. Closed
Road	2025-05-02	Yes	Caribou	49	Feeding	N/A	150	174	West	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Caribou	510	Walking	W	50	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Muskox	32	Feeding	N/A	100	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Muskox	8	Lying Down	N/A	1500	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-02	Yes	Caribou	8	Feeding	N/A	1200	151	East	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-02	Yes	Muskox	33	Feeding	N/A	400	149	West	No	-96.44264	65.22327	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Caribou	252	Feeding	N/A	10	148	West	No	-96.42744	65.22048	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Caribou	40	Running	NW	200	143	West	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Caribou	76	Alert	N/A	1200	140	West	No	-96.29851	65.22197	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Caribou	16	Alert	N/A	800	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-02	Yes	Caribou	115	Walking	S	1500	134	West	No	-96.19286	65.20481	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Caribou	129	Walking	S	1500	131	West	No	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-02	Yes	Caribou	120	Walking	S	1000	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	167	Feeding	N/A	800	121	West	No	-96.08638	65.10712	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	170	Walking	S	900	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	90	Feeding	N/A	200	131	West,East	Yes	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	200	Walking	S	200	137	West	No	-96.24150	65.21944	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	132	Feeding	N/A	20	144	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	3	Alert	N/A	400	147	East	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	48	Walking	S	300	147	West	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	23	Alert	N/A	500	149	West	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	11	Running	NW	1000	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	8	Alert	N/A	50	154	East	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Muskox	32	Feeding	N/A	300	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	3	Walking	S	300	165	West	No	-96.46782	65.32389	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	230	Feeding	N/A	700	167	West	No	-96.50610	65.32837	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-02	Yes	Caribou	18	Walking	S	300	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-02	Yes	Caribou	58	Walking	W	1000	176	West	No	-96.60379	65.38622	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Caribou	105	Foraging	Not Recorded	800	174	West	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Caribou	76	Foraging	N/A	400	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Caribou	351	Foraging	N/A	1000	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Caribou	40	Foraging	N/A	1000	168	West	No	-96.52405	65.33352	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Caribou	19	Foraging	N/A	30	168	East	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	32	Walking	SW	700	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	17	Foraging	N/A	400	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	9	Foraging	N/A	1500	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	75	Foraging	N/A	400	160	West	No	-96.46249	65.32403	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Muskox	37	Foraging	N/A	20	157	West	No	-96.41584	65.27123	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Caribou	5	Walking	W	3000	155	West	No	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Wolf	2	Walking	S	30	150	West	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	75	Foraging	N/A	500	150	West	No	-96.45008	65.23022	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Caribou	12	Foraging	N/A	200	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	35	Foraging	W	10	147	Both	Yes	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Muskox	3	Foraging	N/A	300	145	West	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	12	Lying Down	N/A	300	144	West	No	-96.37125	65.22293	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Muskox	4	Foraging	N/A	300	143	West	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	3	Walking	W	500	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	89	Walking	E	1000	135	West	No	-96.20801	65.20890	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Caribou	9	Foraging	N/A	900	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	18	Foraging	N/A	20	132	East	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-03	Yes	Caribou	303	Walking	E	800	131	West	No	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-03	Yes	Caribou	244	Foraging	N/A	300	122	West	No	-96.09715	65.11477	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-03	Yes	Caribou	131	Walking	E	0	112	West,East	Yes	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-03	Yes	Caribou	120	Lying Down	N/A	1100	120	West	No	-96.07280	65.10021	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-03	Yes	Caribou	17	Lying Down	N/A	5	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-03	Yes	Caribou	182	Walking	S	3000	130	West	No	-96.15280	65.17815	N/A	N/A	No	Exceeded!!	Road closed

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-05-03	Yes	Caribou	160	Feeding	N/A	1000	129	West	No	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-05-03	Yes	Caribou	101	Walking	E	200	125	West	Yes	-96.10792	65.13908	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-03	Yes	Caribou	14	Walking	E	800	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-03	Yes	Caribou	39	Foraging	N/A	100	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road closed, leading convoy
Incidental	2025-05-03	Yes	Caribou	3	Walking	E	1500	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-03	Yes	Caribou	148	Walking	W	300	144	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closed, leading convoy
Incidental	2025-05-03	Yes	Caribou	15	Foraging	N/A	20	146	East	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-03	Yes	Caribou	10	Foraging	N/A	400	150	West	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-03	Yes	Caribou	57	Foraging	N/A	300	150	West	No	-96.45008	65.23022	N/A	N/A	No	Exceeded!!	Road closed, leading convoy
Incidental	2025-05-03	Yes	Caribou	74	Foraging	N/A	300	151	West	No	-96.46622	65.23447	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-03	Yes	Caribou	5	Walking	E	300	158	East	No	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-03	Yes	Caribou	43	Foraging	N/A	1000	164	West	No	-96.44722	65.32256	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-03	Yes	Caribou	138	Foraging	N/A	700	166	West	No	-96.48819	65.32529	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-04	Yes	Caribou	33	Walking	S	900	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	18	Walking	E	0	123	Both	Yes	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	49	Feeding	N/A	800	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-04	Yes	Caribou	39	Feeding	N/A	200	135	West	No	-96.20801	65.20890	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-04	Yes	Caribou	76	Lying Down	N/A	2000	138	West	No	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-04	Yes	Caribou	8	Alert	N/A	200	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	383	Feeding	N/A	200	168	West	No	-96.52405	65.33352	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-04	Yes	Caribou	16	Alert	N/A	200	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	320	Lying Down	N/A	100	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-04	Yes	Caribou	1	Alert	N/A	800	157	East	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Muskox	30	Feeding	N/A	100	152	West	No	-96.47617	65.24176	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-04	Yes	Muskox	20	Feeding	N/A	1000	150	West	No	-96.45008	65.23022	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-04	Yes	Caribou	20	Trotting/running	E	0	145	East	Yes	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	4	Walking	E	50	144	East	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Muskox	2	Feeding	N/A	100	144	East	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Wolverine	1	Trotting/running	SE	1000	153	East	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	129	Walking	W	300	160	West	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-04	Yes	Caribou	63	Lying Down	N/A	700	168	East	No	-96.52405	65.33352	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-04	Yes	Caribou	20	Alert	N/A	400	169	East	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	11	Walking	S	700	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	13	Walking	SE	500	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Peregrine falcon	1	Walking	N/A	50	115	East	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	179	Walking	E	200	113	West	Yes	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-04	Yes	Caribou	100	Foraging	E	100	166	West	No	-96.48819	65.32529	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-04	Yes	Caribou	52	Walking	SE	300	165	West	No	-96.46782	65.32389	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-04	Yes	Caribou	73	Walking	SE	500	164	West	No	-96.44722	65.32256	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-04	Yes	Caribou	586	Foraging	E	0	160	Both	Yes	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-04	Yes	Caribou	4	Foraging	N/A	600	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Muskox	8	Foraging	N/A	3000	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Wolf	1	Trotting/running	N/A	1000	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	30	Trotting/running	SW	1000	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Muskox	30	Foraging	N/A	30	152	West	No	-96.47617	65.24176	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-04	Yes	Caribou	19	Walking	W	200	150	West	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	61	Foraging	N/A	400	149	West	No	-96.44264	65.22327	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-04	Yes	Wolf	1	Foraging	N/A	300	149	West	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	17	Walking	SE	200	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	106	Foraging	N/A	4000	142	West	No	-96.33710	65.22219	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-04	Yes	Caribou	138	Foraging	N/A	1000	137	West	No	-96.24150	65.21944	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-04	Yes	Caribou	21	Walking	E	200	135	East	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	29	Foraging	N/A	100	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	9	Foraging	N/A	200	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	60	Foraging	N/A	200	131	West	No	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-04	Yes	Caribou	28	Foraging	N/A	300	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	20	Walking	E	300	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	50	Foraging	N/A	200	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-04	Yes	Caribou	397	Walking	E	1000	126	East	No	-96.11084	65.14818	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-04	Yes	Caribou	28	Foraging	N/A	100	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-04	Yes	Caribou	619	Walking	E	1000	113	East	No	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-04	Yes	Caribou	6	Walking	E	0	113	West,East	Yes	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	15	Foraging	N/A	500	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	329	Walking	E	200	132	West	No	-96.16457	65.19400	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-04	Yes	Caribou	23	Foraging	N/A	100	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	3	Foraging	N/A	500	133	East	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	65	Foraging	N/A	600	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-04	Yes	Muskox	42	Lying Down	N/A	200	152	East	No	-96.47617	65.24176	N/A	N/A	No	Exceeded!!	Road closed for migration
Incidental	2025-05-04	Yes	Caribou	106	Walking	SE	400	154	West	No	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-04	Yes	Caribou	70	Foraging	N/A	100	155	West	No	-96.43417	65.26761	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-04	Yes	Caribou	115	Walking	W	900	158	West	No	-96.40471	65.27776	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-04	Yes	Caribou	134	Walking	W	300	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-04	Yes	Caribou	5	Foraging	N/A	400	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-04	Yes	Caribou	10	Foraging	N/A	600	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Caribou	25	Alert	N/A	300	170	West	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Wolf	6	Trotting/running	W	700	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Muskox	8	Lying Down	N/A	200	155	West	No	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Grizzly bear	2	Running	E	900	150	East	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Caribou	78	Feeding	N/A	900	142	West	No	-96.33710	65.22219	N/A	N/A	No	Exceeded!!	Road closed

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-05	Yes	Caribou	14	Alert	N/A	500	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Caribou	8	Alert	N/A	600	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Caribou	36	Walking	W	100	135	West	No	-96.20801	65.20890	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-05	Yes	Caribou	14	Feeding	N/A	1200	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-05	Yes	Caribou	243	Feeding	N/A	1500	131	East	No	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-05	Yes	Caribou	45	Walking	E	1300	129	West	No	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-05	Yes	Caribou	127	Walking	S	1800	121	West	No	-96.08638	65.10712	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-05	Yes	Caribou	74	Walking	N	2000	121	West	No	-96.08638	65.10712	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-05	Yes	Caribou	41	Feeding	S	300	120	West	No	-96.07280	65.10021	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-05	Yes	Caribou	320	Walking	S	500	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-05	Yes	Caribou	320	Feeding	N/A	800	112	East	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-05	Yes	Caribou	143	Walking	S	1000	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-05	Yes	Caribou	78	Walking	E	400	124	West	No	-96.10808	65.13155	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-05	Yes	Caribou	47	Walking	N	300	129	West	No	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-05	Yes	Caribou	27	Walking	N	600	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-05	Yes	Caribou	100	Alert	Not Recorded	600	143	West	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-05	Yes	Muskox	25	Lying Down	N/A	800	146	East	No	-96.39801	65.22627	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-05	Yes	Muskox	8	Feeding	N/A	100	155	West	No	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-05	Yes	Caribou	28	Walking	N	1000	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-06	Yes	Muskox	8	Foraging	N/A	20	157	West	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-06	Yes	Caribou	180	Foraging	N/A	600	147	West	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road closed leading convoy,
Road	2025-05-06	Yes	Caribou	9	Walking	E	200	144	West	No	-96.38052	65.22504	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-06	Yes	Caribou	29	Foraging	N/A	300	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-06	Yes	Caribou	10	Foraging	N/A	500	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-06	Yes	Caribou	6	Standing	N/A	700	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-06	Yes	Caribou	13	Walking	W	400	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-06	Yes	Caribou	10	Foraging	N/A	1500	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-06	Yes	Caribou	33	Foraging	N/A	200	126	East	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-06	Yes	Caribou	47	Walking	E	200	123	West	No	-96.10441	65.12217	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-06	Yes	Caribou	128	Walking	E	300	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-06	Yes	Caribou	394	Walking	S	300	120	West	No	-96.07280	65.10021	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-06	Yes	Caribou	29	Walking	N/A	200	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-06	Yes	Caribou	39	Walking	E	100	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-06	Yes	Caribou	30	Walking	E	400	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-06	Yes	Caribou	50	Walking	E	200	143	West	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-06	Yes	Caribou	56	Walking	N	100	116	West	No	-96.02061	65.08026	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-06	Yes	Caribou	64	Walking	S	200	111	West	No	-96.02402	65.04815	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-06	Yes	Caribou	196	Lying Down	N/A	300	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-06	Yes	Caribou	103	Walking	W	600	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-06	Yes	Caribou	27	Walking	W	100	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	63	Walking	E	0	112	West,East	Yes	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-07	Yes	Caribou	5	Walking	S	75	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	64	Foraging	N/A	1200	111	West	No	-96.02402	65.04815	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-07	Yes	Caribou	22	Walking	S	400	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Muskox	7	Resting	N/A	30	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	196	Walking	S	600	151	West	No	-96.46622	65.23447	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-07	Yes	Muskox	4	Resting	N/A	4000	166	West	N/A	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	16	Resting	N/A	3000	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	38	Walking	S	800	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-07	Yes	Caribou	29	Foraging	N/A	300	114	West	No	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	51	Foraging	N/A	2000	113	West	No	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-07	Yes	Caribou	34	Walking	E	300	113	West	No	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	3	Walking	E	1000	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	21	Walking	E	2500	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	3	Walking	E	400	113	East	No	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	22	Foraging	N/A	500	113	East	No	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	41	Walking	E	2000	113	East	No	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Caribou outside of 1.5km buffer
Incidental	2025-05-07	Yes	Caribou	48	Walking	E	0	114	East	Yes	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-07	Yes	Caribou	23	Foraging	W	1000	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Muskox	2	Walking	E	50	120	East	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	16	Walking	E	200	127	East	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Muskox	5	Foraging	N/A	100	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	17	Foraging	N/A	500	172	West	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	13	Foraging	N/A	500	172	West	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Caribou	7	Walking	E	300	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Caribou	3	Foraging	N/A	20	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Caribou	4	Walking	E	500	150	West	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Wolf	1	Walking	E	600	150	East	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Caribou	14	Walking	E	700	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Wolverine	1	Trotting/running	E	400	141	West	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Muskox	5	Foraging	N/A	100	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Caribou	2	Walking	E	1500	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-07	Yes	Caribou	4	Walking	E	300	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	1	Foraging	N/A	600	114	West	No	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	181	Walking	E	800	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-07	Yes	Caribou	9	Walking	E	600	146	West	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	15	Walking	S	1000	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-07	Yes	Caribou	13	Walking	S	1000	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-08	Yes	Caribou	37	Walking	S	800	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closed

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-05-08	Yes	Caribou	58	Foraging	N/A	600	114	West	No	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Road closed, convoy system in place
Road	2025-05-08	Yes	Caribou	5	Walking	S	400	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-08	Yes	Caribou	48	Walking	SE	1000	173	West	No	-96.60297	65.35972	N/A	N/A	No	Exceeded!!	Road Closed Open with restrictions due to snow drifts, might put speed restrictions dueto gst exceeding
Road	2025-05-08	Yes	Caribou	42	Walking	N	1000	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-08	Yes	Caribou	250	Walking	N	300	166	West	No	-96.48819	65.32529	N/A	N/A	No	Exceeded!!	Road Closed Escorting 2 bus from km166
Road	2025-05-08	Yes	Caribou	23	Walking	SW	200	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-08	Yes	Caribou	19	Foraging	N/A	1500	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-08	Yes	Caribou	17	Walking	N	300	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-08	Yes	Caribou	12	Foraging	N/A	400	149	West	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-08	Yes	Caribou	1	Standing	N/A	300	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-08	Yes	Caribou	45	Foraging	N/A	200	114	West	No	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-08	Yes	Caribou	20	Lying Down	N/A	800	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-09	Yes	Caribou	3	Foraging	N/A	1000	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-09	Yes	Caribou	5	Walking	S	1500	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-09	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-05-10	Yes	Arctic fox	1	Running	NW	0	174	Both	Yes	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-10	Yes	Muskox	37	Resting	N/A	3000	138	West	No	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Group further than 500m
Incidental	2025-05-10	Yes	Caribou	20	Walking	W	900	112	West	N/A	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-11	Yes	Caribou	14	Foraging	N/A	800	126	West	N/A	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Caribou	25	Standing	N/A	850	112	West	N/A	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Caribou	13	Walking	S	600	114	West	N/A	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Caribou	47	Walking	S	1300	154	West	N/A	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-11	Yes	Caribou	111	Walking	E	2000	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-11	Yes	Caribou	17	Trotting/running	S	2500	155	West	No	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Caribou	12	Walking	N	1000	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Caribou	42	Walking	S	700	152	West	N/A	-96.47617	65.24176	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-11	Yes	Caribou	11	Foraging	N/A	600	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Caribou	7	Walking	S	600	169	West	N/A	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-11	Yes	Caribou	39	Foraging	N/A	500	171	West	N/A	-96.56860	65.35200	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-12	Yes	Caribou	41	Walking	N	3000	122	West	No	-96.09715	65.11477	N/A	N/A	No	Exceeded!!	Road Closed
Road	2025-05-12	Yes	Wolf	1	Running	SW	1500	155	West	No	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-12	Yes	Caribou	123	Foraging	S	500	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road remains closed
Incidental	2025-05-12	Yes	Caribou	7	Walking	N	500	7	West	N/A	-96.00916	64.37262	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-12	Yes	Caribou	53	Walking	E	500	162	West	N/A	-96.41680	65.31155	N/A	N/A	No	Exceeded!!	Road is closed.
Incidental	2025-05-12	Yes	Caribou	3	Walking	S	600	167	West	N/A	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-12	Yes	Caribou	1	Resting	N/A	300	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-12	Yes	Caribou	146	Walking	SE	2000	117	South	No	-96.03942	65.08370	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-12	Yes	Caribou	53	Walking	N	800	164	West	N/A	-96.44722	65.32256	N/A	N/A	No	Exceeded!!	Road closed due to presence of caribou above gst.
Road	2025-05-12	Yes	Caribou	150	Walking	W	1000	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-05-12	Yes	Caribou	11	Walking	S	1000	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-12	Yes	Caribou	84	Walking	SW	1300	130	West	No	-96.15280	65.17815	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-12	Yes	Caribou	28	Walking	NW	1000	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-12	Yes	Caribou	73	Walking	E	1000	117	West	No	-96.03942	65.08370	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-12	Yes	Caribou	114	Walking	SE	900	119	West	N/A	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closed.
Incidental	2025-05-12	Yes	Caribou	13	Walking	N	1000	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-12	Yes	Caribou	92	Walking	E	250	113	West	Yes	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road,is closed
Incidental	2025-05-12	Yes	Caribou	54	Walking	W	1000	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-05-12	Yes	Caribou	64	Foraging	W	1000	124	West	No	-96.10808	65.13155	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-05-13	Yes	Caribou	28	Standing	N/A	800	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-13	Yes	Caribou	24	Foraging	N	1500	146	West	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-13	Yes	Wolf	5	Trotting/running	W	20	149	East	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-13	Yes	Caribou	38	Lying Down	N/A	2000	147	West	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Group further than 1.5km
Road	2025-05-13	Yes	Caribou	5	Walking	N	1000	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-13	Yes	Caribou	22	Trotting/running	E	0	113	East	Yes	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-13	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-05-14	Yes	Muskox	7	Foraging	N/A	1000	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Caribou	4	Walking	S	400	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-05-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-05-14	Yes	Caribou	13	Walking	E	100	110	West	Yes	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Caribou	52	Walking	S	1000	126	West	No	-96.11084	65.14818	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-14	Yes	Caribou	71	Walking	E	1500	126	West	No	-96.11084	65.14818	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-14	Yes	Caribou	62	Walking	S	1400	125	West	No	-96.10792	65.13908	N/A	N/A	No	Exceeded!!	Road Closed
Incidental	2025-05-14	Yes	Caribou	10	Foraging	N/A	600	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Caribou	6	Walking	S	2000	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Caribou	150	Walking	S	2000	123	West	No	-96.10441	65.12217	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-14	Yes	Caribou	18	Foraging	N/A	1500	163	West	N/A	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Muskox	3	Lying Down	N/A	800	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Caribou	22	Foraging	N/A	400	134	West	N/A	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Caribou	24	Walking	S	1000	132	West	N/A	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-14	Yes	Caribou	5	Walking	S	800	159	West	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-15	Yes	Caribou	5	Walking	S	2000	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-15	Yes	Caribou	21	Walking	E	800	111	West	N/A	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-15	Yes	Caribou	75	Walking	E	750	113	West	Yes	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road was closed while group crossed
Road	2025-05-16	Yes	Caribou	12	Walking	N	1000	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-16	Yes	Muskox	6	Foraging	N/A	400	144	East	No	-96.34833	65.22187	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-16	Yes	Caribou	23	Walking	N/A	600	113	West	N/A	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-05-16	Yes	Arctic fox	1	Walking	NW	0	155	West	Yes	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-17	Yes	Caribou	10	Walking	N	800	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-17	Yes	Caribou	23	Walking	S	750	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-17	Yes	Caribou	550	Walking	E	800	113	West	N/A	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Closed the road.
Road	2025-05-17	Yes	Caribou	109	Walking	N	1000	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road is closed.
Road	2025-05-17	Yes	Caribou	8	Foraging	N/A	850	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-17	Yes	Caribou	15	Walking	E	800	114	West	N/A	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-17	Yes	Caribou	7	Foraging	N/A	150	134	West	N/A	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-17	Yes	Caribou	30	Foraging	N/A	100	140	West	N/A	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-18	Yes	Caribou	1	Foraging	N/A	250	111	East	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-18	Yes	Caribou	9	Walking	N	350	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-18	Yes	Caribou	160	Walking	E	500	113	West	Yes	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-18	Yes	Caribou	27	Foraging	N/A	1000	114	West	No	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-18	Yes	Caribou	67	Walking	E	100	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-05-18	Yes	Caribou	37	Walking	E	1000	123	West	No	-96.10441	65.12217	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-18	Yes	Caribou	3	Alert	E	260	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-18	Yes	Muskox	7	Resting	N/A	90	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-18	Yes	Caribou	18	Walking	S	420	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-18	Yes	Caribou	13	Walking	S	130	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-18	Yes	Caribou	22	Walking	S	170	123	West	N/A	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-18	Yes	Caribou	21	Standing	S	800	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-18	Yes	Caribou	79	Walking	W	750	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-18	Yes	Caribou	28	Foraging	S	350	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	345	Walking	E	1250	113	East	Yes	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-05-19	Yes	Caribou	192	Walking	E	500	116	West	No	-96.02061	65.08026	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-19	Yes	Caribou	19	Foraging	N/A	1000	179	West	No	-96.66403	65.40331	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Caribou	10	Foraging	N/A	600	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Caribou	67	Foraging	N/A	800	166	West	No	-96.48819	65.32529	N/A	N/A	No	Exceeded!!	Convoy, road closure
Road	2025-05-19	Yes	Caribou	22	Foraging	N/A	1000	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Caribou	44	Foraging	N/A	800	148	West	No	-96.42744	65.22048	N/A	N/A	No	Exceeded!!	Convoy, road closure
Road	2025-05-19	Yes	Muskox	8	Foraging	N/A	400	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Caribou	97	Walking	S	400	138	Both	No	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Convoy, road closure
Road	2025-05-19	Yes	Caribou	56	Walking	S	500	137	West	No	-96.24150	65.21944	N/A	N/A	No	Exceeded!!	Convoy, road closure
Road	2025-05-19	Yes	Caribou	7	Walking	E	200	133	East	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Caribou	22	Foraging	N/A	50	124	Both	Yes	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Caribou	154	Walking	S	800	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Convoy, road closure
Road	2025-05-19	Yes	Caribou	31	Trotting/running	W	200	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-19	Yes	Caribou	103	Foraging	W	50	114	West	No	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Convoy, road closure
Incidental	2025-05-19	Yes	Caribou	14	Walking	SW	400	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	8	Walking	S	800	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	16	Standing	N/A	1200	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	16	Walking	S	100	155	West	N/A	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	36	Walking	SW	900	158	West	No	-96.40471	65.27776	N/A	N/A	No	Exceeded!!	Road is closed.
Incidental	2025-05-19	Yes	Caribou	15	Foraging	N/A	150	176	West	N/A	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	13	Walking	W	400	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	49	Walking	S	500	163	West	No	-96.43040	65.31741	N/A	N/A	No	Exceeded!!	Road is closed to all traffic
Incidental	2025-05-19	Yes	Caribou	42	Foraging	N/A	200	152	West	No	-96.47617	65.24176	N/A	N/A	No	Exceeded!!	Road is closed to all traffic
Incidental	2025-05-19	Yes	Caribou	8	Walking	N	1200	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	30	Walking	N	500	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	11	Foraging	N/A	100	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	37	Walking	S	700	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road is closed to all traffic
Incidental	2025-05-19	Yes	Caribou	8	Walking	S	1000	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	27	Foraging	N/A	500	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	14	Walking	S	1000	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	25	Foraging	N/A	300	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	31	Foraging	N/A	300	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	18	Foraging	N/A	500	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	43	Foraging	N/A	2000	134	West	No	-96.19286	65.20481	N/A	N/A	No	Exceeded!!	Road is closed to all traffic. The group is more than 1.5km away
Incidental	2025-05-19	Yes	Caribou	32	Trotting/running	SW	1000	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	17	Walking	S	1500	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	14	Lying Down	N/A	300	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-19	Yes	Caribou	80	Foraging	N/A	300	132	West	No	-96.16457	65.19400	N/A	N/A	No	Exceeded!!	Road was then closed
Incidental	2025-05-20	Yes	Caribou	27	Walking	N	1000	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	11	Alert	S	300	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	33	Foraging	W	1500	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	20	Foraging	N/A	300	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	23	Foraging	N/A	600	133	West,East	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	118	Foraging	N/A	400	129	West	No	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	Road is closed to all.
Incidental	2025-05-20	Yes	Caribou	57	Foraging	N/A	200	126	West	No	-96.11084	65.14818	N/A	N/A	No	Exceeded!!	Road is closed to all.
Incidental	2025-05-20	Yes	Caribou	10	Walking	S	300	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	17	Walking	SE	1200	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	27	Walking	S	300	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	51	Walking	S	400	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road is closed to all.
Incidental	2025-05-20	Yes	Caribou	8	Walking	S	600	114	West	No	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	44	Walking	S	600	117	West	No	-96.03942	65.08370	N/A	N/A	No	Exceeded!!	Road is closed to all
Incidental	2025-05-20	Yes	Caribou	36	Foraging	N/A	700	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road is closed to all
Incidental	2025-05-20	Yes	Caribou	21	Walking	S	300	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	15	Walking	NW	200	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	13	Foraging	N/A	200	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-05-20	Yes	Caribou	11	Foraging	N/A	400	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	33	Lying Down	N/A	300	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	26	Foraging	N/A	150	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	26	Alert	N/A	300	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	7	Walking	E	1000	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	46	Walking	S	1500	161	West	No	-96.41207	65.30324	N/A	N/A	No	Exceeded!!	Road is closed to all traffic
Road	2025-05-20	Yes	Caribou	21	Foraging	N/A	150	178	West	N/A	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	69	Trotting/running	S	1000	163	West	N/A	-96.43040	65.31741	N/A	N/A	No	Exceeded!!	Road is closed
Road	2025-05-20	Yes	Caribou	7	Foraging	N/A	800	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	33	Foraging	N/A	300	142	West	N/A	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	29	Foraging	N/A	150	140	West	N/A	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	45	Foraging	N/A	150	127	West	N/A	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road is closed.
Road	2025-05-20	Yes	Muskox	4	Foraging	N/A	800	119	East	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-20	Yes	Caribou	69	Walking	E	500	115	West	N/A	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-05-20	Yes	Caribou	162	Walking	E	650	113	West	Yes	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road is closed.
Incidental	2025-05-20	Yes	Caribou	3	Walking	N	300	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	43	Foraging	N/A	300	161	West	No	-96.41207	65.30324	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-20	Yes	Caribou	7	Walking	W	200	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Muskox	6	Foraging	N/A	100	141	West	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	3	Foraging	N/A	100	141	West	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	10	Foraging	N/A	300	144	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	27	Foraging	N/A	50	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	17	Foraging	N/A	75	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	11	Walking	S	100	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	25	Foraging	W	200	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	19	Foraging	N/A	300	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	29	Foraging	N/A	25	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	7	Walking	N	800	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	25	Foraging	N/A	200	172	West	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	15	Foraging	W	100	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	39	Walking	W	300	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-20	Yes	Caribou	19	Foraging	N/A	400	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	51	Foraging	N/A	100	125	West	No	-96.10792	65.13908	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-20	Yes	Caribou	14	Foraging	N/A	800	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	15	Foraging	N/A	200	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	34	Foraging	N/A	800	114	West	No	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	31	Foraging	N/A	300	110	West	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	24	Walking	N	300	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	39	Foraging	N/A	100	134	West	No	-96.19286	65.20481	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-20	Yes	Caribou	17	Foraging	N/A	100	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	14	Foraging	N/A	100	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-20	Yes	Caribou	60	Foraging	N/A	300	124	West	No	-96.10808	65.13155	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-21	Yes	Caribou	20	Foraging	N/A	300	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	70	Foraging	W	300	171	West	No	-96.56860	65.35200	N/A	N/A	No	Exceeded!!	Road is closed to all traffic
Incidental	2025-05-21	Yes	Caribou	38	Foraging	N/A	200	152	West	No	-96.47617	65.24176	N/A	N/A	No	Exceeded!!	Road is closed to all traffic
Incidental	2025-05-21	Yes	Caribou	29	Walking	S	800	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	10	Walking	S	200	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	24	Walking	W	0	131	West,East	Yes	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	107	Foraging	N/A	100	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road is closed to all traffic
Incidental	2025-05-21	Yes	Caribou	17	Standing	N/A	500	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	35	Foraging	N/A	300	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	47	Foraging	N/A	300	113	East	No	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	The road is closed to all traffic
Incidental	2025-05-21	Yes	Caribou	75	Foraging	N/A	200	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	The road is closed to all traffic
Road	2025-05-21	Yes	Caribou	7	Walking	S	300	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	37	Foraging	N/A	400	155	West	No	-96.43417	65.26761	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-21	Yes	Caribou	17	Alert	N/A	200	142	West	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	102	Walking	N	200	137	West	No	-96.24150	65.21944	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-21	Yes	Caribou	4	Walking	N	400	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	21	Foraging	N/A	300	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	23	Walking	S	300	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	124	Foraging	N/A	300	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-21	Yes	Caribou	9	Foraging	N/A	400	110	West	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	39	Foraging	N/A	500	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Convoy, road closure
Incidental	2025-05-21	Yes	Caribou	14	Foraging	N/A	500	114	West	No	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	83	Walking	W	100	122	West	No	-96.09715	65.11477	N/A	N/A	No	Exceeded!!	Convoy, road closure
Incidental	2025-05-21	Yes	Caribou	24	Foraging	E	100	134	East	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	37	Walking	N	200	161	West	No	-96.41207	65.30324	N/A	N/A	No	Exceeded!!	Convoy, road closure
Incidental	2025-05-21	Yes	Caribou	7	Walking	W	200	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	56	Walking	S	500	174	West	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Convoy, road closure
Road	2025-05-21	Yes	Caribou	7	Feeding	N/A	1000	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	10	Alert	N/A	700	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	10	Walking	N	500	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	25	Feeding	N/A	1000	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	6	Alert	N/A	500	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	20	Feeding	N/A	800	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	84	Lying Down	N/A	500	148	West	No	-96.42744	65.22048	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-21	Yes	Caribou	11	Feeding	N/A	300	142	West	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	1	Walking	S	700	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	11	Walking	S	1500	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-21	Yes	Caribou	20	Feeding	N/A	300	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	40	Feeding	N/A	800	127	West	No	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-21	Yes	Gyrfalcon	1	Flying	W	100	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Sandhill crane	3	Feeding	N/A	100	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	31	Lying Down	N/A	600	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	28	Feeding	N/A	200	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	5	Alert	N/A	500	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	46	Feeding	N/A	600	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closes
Road	2025-05-21	Yes	Caribou	81	Walking	S	800	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-21	Yes	Caribou	141	Feeding	N/A	100	111	West	No	-96.02402	65.04815	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-21	Yes	Caribou	8	Lying Down	N/A	400	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	19	Feeding	N/A	300	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	7	Walking	E	1200	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	9	Lying Down	N/A	200	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	40	Feeding	N/A	200	128	West	No	-96.13583	65.16137	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-21	Yes	Caribou	6	Walking	S	1500	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	10	Walking	W	800	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	9	Walking	N	600	144	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	58	Feeding	N/A	150	148	West	No	-96.42744	65.22048	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-21	Yes	Muskox	2	Feeding	N/A	1500	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	6	Walking	N	400	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	41	Feeding	N/A	150	148	West	No	-96.42744	65.22048	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-21	Yes	Caribou	3	Walking	S	1000	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	6	Resting	N/A	500	131	East	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	29	Feeding	N/A	1000	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	8	Feeding	N/A	8	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	8	Walking	S	800	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-21	Yes	Caribou	37	Walking	S	400	120	West	No	-96.07280	65.10021	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-21	Yes	Caribou	70	Walking	S	700	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-21	Yes	Caribou	23	Walking	S	1000	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	159	Lying Down	N/A	0	113	Both	Yes	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-21	Yes	Caribou	53	Feeding	N/A	800	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-21	Yes	Caribou	8	Alert	N/A	800	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	38	Walking	S	1000	126	West	No	-96.11084	65.14818	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-21	Yes	Caribou	37	Lying Down	N/A	100	132	West	No	-96.16457	65.19400	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-21	Yes	Caribou	12	Feeding	N/A	1000	133	East	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	14	Feeding	N/A	1200	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	21	Walking	N	800	141	West	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	16	Walking	N	900	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-21	Yes	Caribou	43	Walking	E	100	171	West	No	-96.56860	65.35200	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	16	Foraging	N/A	300	170	West	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	7	Foraging	N/A	400	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	28	Foraging	N/A	500	159	West	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	36	Foraging	N/A	400	158	West	No	-96.40471	65.27776	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-22	Yes	Caribou	29	Foraging	N/A	200	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	18	Foraging	N/A	300	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	17	Walking	N	100	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	2	Walking	N/A	800	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	18	Foraging	N/A	100	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	7	Foraging	N/A	200	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	16	Walking	S	200	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	125	Foraging	N/A	100	124	Both	No	-96.10808	65.13155	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-22	Yes	Caribou	55	Foraging	N/A	100	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-22	Yes	Caribou	2	Foraging	N/A	50	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	63	Trotting/running	SW	400	136	West	No	-96.22740	65.21308	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-22	Yes	Caribou	22	Foraging	N/A	500	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	31	Lying Down	N/A	500	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	41	Walking	N	200	166	West	No	-96.48819	65.32529	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-22	Yes	Caribou	9	Lying Down	N/A	300	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	10	Walking	N	400	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	137	Walking	N	1500	178	West	No	-96.62190	65.40086	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-22	Yes	Wolverine	1	Trotting/running	SW	500	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	36	Walking	NW	500	174	West	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-22	Yes	Caribou	8	Walking	N	800	163	West	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	45	Walking	S	300	160	West	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-22	Yes	Caribou	4	Foraging	N/A	300	143	West	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	40	Walking	N	500	138	West	No	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-22	Yes	Caribou	23	Walking	N	200	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	15	Walking	N	400	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	53	Walking	N	600	126	West	No	-96.11084	65.14818	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-22	Yes	Caribou	123	Walking	S	300	124	West	No	-96.10808	65.13155	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-22	Yes	Caribou	55	Foraging	N/A	100	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-22	Yes	Caribou	66	Walking	W	200	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-22	Yes	Caribou	11	Foraging	N/A	200	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	27	Walking	N	800	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	22	Lying Down	N/A	400	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	12	Foraging	N/A	600	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	104	Walking	N	300	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-22	Yes	Caribou	44	Walking	W	0	174	West	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closure

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-05-22	Yes	Caribou	62	Walking	NW	50	176	West	No	-96.60379	65.38622	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-22	Yes	Caribou	35	Feeding	N/A	700	179	West	No	-96.66489	65.40254	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	12	Walking	S	600	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	48	Feeding	N/A	300	164	West	No	-96.44722	65.32256	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	24	Walking	S	500	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	47	Feeding	N/A	600	139	West	No	-96.27997	65.22686	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	37	Lying Down	N/A	400	136	West	No	-96.22740	65.21308	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	3	Alert	N/A	700	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	56	Walking	NE	500	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	104	Lying Down	N/A	500	124	West	No	-96.10808	65.13155	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	9	Feeding	Not Recorded	1000	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	6	Walking	S	800	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	32	Lying Down	N/A	300	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	39	Feeding	N/A	100	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-22	Yes	Caribou	10	Walking	N	600	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	12	Walking	N	300	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	111	Feeding	N/A	500	124	West	No	-96.10808	65.13155	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-22	Yes	Caribou	23	Feeding	N/A	300	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	77	Walking	N	800	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-22	Yes	Caribou	23	Lying Down	N/A	500	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	37	Walking	N	800	138	West	No	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-22	Yes	Caribou	9	Walking	N	400	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	19	Walking	N	700	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	54	Feeding	N/A	400	154	West	No	-96.46296	65.25460	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-22	Yes	Caribou	11	Feeding	N/A	800	159	West	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	8	Alert	N/A	200	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	131	Lying Down	N/A	600	178	West	No	-96.62190	65.40086	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-22	Yes	Caribou	10	Feeding	N/A	900	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Muskox	3	Feeding	N/A	1100	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	12	Feeding	N/A	500	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	32	Lying Down	N/A	600	156	West	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	51	Feeding	N/A	1000	149	West	No	-96.44264	65.22327	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-22	Yes	Caribou	7	Walking	S	800	145	West	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	44	Walking	N	300	143	West	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-22	Yes	Muskox	3	Lying Down	N/A	400	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	5	Alert	N/A	100	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	6	Feeding	N/A	300	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-22	Yes	Caribou	44	Lying Down	N/A	500	135	West	No	-96.20801	65.20890	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-22	Yes	Caribou	21	Lying Down	N/A	1000	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	61	Feeding	N/A	800	123	West	No	-96.10441	65.12217	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	3	Walking	N	900	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	7	Alert	N/A	800	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	59	Feeding	N/A	1000	129	West	No	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	79	Walking	N	600	136	West	No	-96.22740	65.21308	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	15	Lying Down	N/A	300	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	43	Lying Down	N/A	600	144	West	No	-96.29834	65.22197	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	42	Walking	NE	300	147	West	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-22	Yes	Caribou	20	Alert	N/A	800	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	11	Feeding	N/A	1000	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-22	Yes	Caribou	182	Feeding	N/A	500	178	West	No	-96.62190	65.40086	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-23	Yes	Caribou	73	Lying Down	N/A	400	178	West	No	-96.62190	65.40086	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-23	Yes	Caribou	48	Walking	N	400	177	West	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-23	Yes	Caribou	18	Walking	N	300	170	West	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	7	Walking	N	300	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	30	Walking	N	400	165	West	No	-96.46782	65.32389	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	23	Walking	N	600	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	16	Lying Down	N/A	300	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	10	Foraging	N/A	200	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	37	Lying Down	N/A	400	147	West	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-23	Yes	Caribou	112	Foraging	N/A	50	139	West	No	-96.27997	65.22686	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-23	Yes	Caribou	19	Foraging	N/A	100	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	22	Walking	N	200	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	5	Walking	N	100	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	22	Lying Down	N/A	50	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	7	Walking	S	300	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	9	Foraging	N/A	600	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	76	Walking	S	400	114	West	No	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-23	Yes	Caribou	44	Lying Down	N/A	300	110	West	No	-96.04065	65.04140	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-23	Yes	Caribou	25	Walking	N	800	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	13	Walking	N	700	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	86	Walking	N	300	143	West	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-23	Yes	Caribou	25	Foraging	N/A	300	156	West	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	137	Walking	N	400	165	West	No	-96.46782	65.32389	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-23	Yes	Caribou	46	Walking	N	300	170	West	No	-96.54979	65.34665	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-23	Yes	Caribou	46	Foraging	N/A	500	178	West	No	-96.62190	65.40086	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-23	Yes	Caribou	46	Foraging	N/A	500	178	West	No	-96.62190	65.40086	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-23	Yes	Caribou	22	Foraging	N/A	300	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	19	Foraging	N/A	400	165	West	No	-96.46782	65.32389	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	75	Walking	S	300	161	West	No	-96.41207	65.30324	N/A	N/A	No	Exceeded!!	Road closure

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-23	Yes	Caribou	2	Walking	N	200	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	30	Walking	S	400	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	13	Walking	N	400	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	64	Walking	E	100	134	Both	No	-96.19286	65.20481	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-23	Yes	Caribou	38	Foraging	N/A	200	131	West	No	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-23	Yes	Caribou	11	Foraging	N/A	300	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	40	Foraging	N/A	200	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-23	Yes	Caribou	10	Foraging	N/A	400	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	17	Foraging	N/A	100	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	3	Foraging	N/A	200	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	3	Walking	N	300	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	67	Walking	NW	500	138	West	No	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-23	Yes	Muskox	3	Foraging	N/A	200	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	82	Foraging	NW	200	165	West	No	-96.46782	65.32389	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-23	Yes	Caribou	7	Walking	NW	500	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Wolf	1	Standing	SE	80	169	East	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	42	Feeding	N/A	800	176	West	No	-96.60379	65.38622	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-23	Yes	Caribou	6	Lying Down	N/A	1000	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	7	Feeding	N/A	800	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	7	Alert	N/A	500	157	West	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	8	Lying Down	N/A	1000	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Gyrfalcon	1	Flying	E	100	142	West	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Siksik	1	Alert	S	0	142	West	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	10	Resting	N/A	600	141	West	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	12	Feeding	N/A	400	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	52	Lying Down	N/A	500	138	West	No	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-23	Yes	Caribou	10	Lying Down	N/A	800	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	8	Feeding	N/A	1000	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Peregrine falcon	2	Flying	N/A	100	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	8	Feeding	N/A	500	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	9	Feeding	N/A	400	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	36	Feeding	N/A	300	111	West	No	-96.02402	65.04815	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-23	Yes	Caribou	24	Walking	E	600	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Gyrfalcon	1	Flying	E	0	115	West,East	Yes	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Muskox	9	Feeding	Not Recorded	800	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	13	Lying Down	N/A	600	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	41	Lying Down	N/A	1000	131	West	No	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-23	Yes	Caribou	23	Walking	E	300	135	East	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	8	Walking	S	800	150	West	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	36	Feeding	N/A	500	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-23	Yes	Caribou	79	Feeding	N/A	400	164	West	No	-96.44722	65.32256	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-23	Yes	Caribou	2	Walking	N	300	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	63	Lying Down	N/A	700	170	West	No	-96.54979	65.34665	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-23	Yes	Caribou	49	Feeding	N/A	50	175	West	No	-96.60237	65.37726	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-23	Yes	Caribou	16	Feeding	N/A	1000	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	4	Alert	N/A	400	149	West	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	7	Walking	S	300	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	33	Lying Down	N/A	600	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-23	Yes	Caribou	8	Lying Down	N/A	600	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	31	Walking	W	800	110	West	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	10	Lying Down	N/A	900	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Gyrfalcon	1	Flying	SE	100	116	East	No	-96.02061	65.08026	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	3	Alert	N/A	900	129	East	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	67	Lying Down	N/A	500	130	West	No	-96.15280	65.17815	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-23	Yes	Wolf	1	Walking	S	100	132	East	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	10	Walking	N	500	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	8	Walking	N	700	145	West	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	28	Walking	W	1000	159	West	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	38	Feeding	N/A	800	162	West	No	-96.41680	65.31155	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-23	Yes	Caribou	42	Feeding	N/A	200	164	West	No	-96.44722	65.32256	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-23	Yes	Caribou	31	Walking	N	500	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-23	Yes	Caribou	51	Feeding	N/A	1500	174	West	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-23	Yes	Caribou	25	Lying Down	N/A	1000	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	11	Foraging	N/A	700	179	West	No	-96.65621	65.40426	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	82	Lying Down	N/A	200	178	West	No	-96.62190	65.40086	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-24	Yes	Caribou	15	Lying Down	N/A	800	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	3	Foraging	N/A	400	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	23	Lying Down	N/A	100	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	28	Foraging	N/A	300	170	West	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	8	Walking	N	200	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	2	Foraging	N/A	200	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	24	Walking	N	200	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	14	Walking	N	100	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	8	Foraging	N/A	200	158	West	No	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	7	Walking	N	300	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	2	Walking	N	300	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	9	Walking	N	800	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	37	Foraging	N/A	100	131	West	No	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-24	Yes	Caribou	22	Foraging	N/A	300	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-24	Yes	Caribou	32	Walking	S	100	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	5	Walking	S	200	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Muskox	8	Foraging	N/A	800	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	44	Foraging	N/A	500	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-24	Yes	Caribou	11	Walking	S	400	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	38	Walking	S	500	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-24	Yes	Muskox	1	Foraging	N/A	50	121	East	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	5	Walking	N	600	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	3	Foraging	N/A	300	143	West	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	17	Walking	N	500	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	40	Walking	N	100	163	West	No	-96.43040	65.31741	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-24	Yes	Caribou	16	Walking	S	300	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	27	Foraging	N/A	300	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	14	Lying Down	N/A	500	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	12	Walking	S	100	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	20	Foraging	N/A	100	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	13	Foraging	N/A	100	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	8	Walking	S	300	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	6	Foraging	N/A	500	158	West	No	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	18	Walking	S	400	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	20	Foraging	W	200	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	4	Foraging	N/A	100	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	13	Walking	N	200	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	22	Walking	N	400	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	51	Walking	S	400	113	West	No	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-24	Yes	Caribou	16	Foraging	N/A	400	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Muskox	8	Foraging	N/A	600	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Muskox	1	Foraging	N/A	200	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	12	Walking	N	600	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	3	Foraging	N/A	300	126	East	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	12	Walking	N	500	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	12	Walking	N	800	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	8	Walking	N	50	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Muskox	2	Foraging	N/A	200	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	21	Walking	N	400	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	19	Foraging	N/A	400	156	West	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	8	Walking	N	300	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	34	Walking	S	600	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	47	Walking	N	700	174	West	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-24	Yes	Caribou	123	Foraging	N/A	700	177	West,East	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-24	Yes	Caribou	123	Feeding	N/A	300	177	West	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-24	Yes	Caribou	47	Walking	N	200	175	West	No	-96.60237	65.37726	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-24	Yes	Caribou	34	Walking	S	500	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	1	Alert	N/A	300	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	26	Alert	N/A	1800	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	13	Feeding	N/A	1000	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	14	Walking	S	1000	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	21	Walking	N	400	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	16	Feeding	N/A	600	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	19	Lying Down	N/A	700	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Muskox	2	Lying Down	N/A	800	116	West	No	-96.02061	65.08026	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	16	Lying Down	N/A	600	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	21	Feeding	N/A	500	116	West	No	-96.02061	65.08026	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	9	Feeding	N/A	600	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	6	Walking	N	600	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	31	Walking	N	800	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	1	Alert	N/A	300	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	13	Feeding	E	0	155	West,East	Yes	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	61	Walking	W	600	160	West	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-24	Yes	Caribou	29	Walking	N	800	170	West	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	10	Alert	N/A	800	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	100	Feeding	N/A	0	176	West,East	Yes	-96.60379	65.38622	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-24	Yes	Caribou	4	Lying Down	N/A	800	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	40	Walking	S	900	160	West	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-24	Yes	Caribou	73	Walking	E	0	157	West,East	Yes	-96.41584	65.27123	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-24	Yes	Caribou	7	Lying Down	N/A	1000	142	West	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	9	Feeding	N/A	100	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Muskox	3	Feeding	N/A	200	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Bald Eagle	1	Flying	SW	0	139	West,East	Yes	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	16	Feeding	N/A	1100	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	27	Feeding	N/A	100	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	45	Walking	E	0	127	West,East	Yes	-96.12549	65.15381	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-24	Yes	Caribou	16	Feeding	N/A	400	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	8	Walking	S	300	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-24	Yes	Caribou	36	Feeding	N/A	800	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-24	Yes	Caribou	36	Feeding	N/A	800	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-24	Yes	Caribou	78	Feeding	N/A	1000	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-24	Yes	Caribou	7	Walking	W	500	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Muskox	3	Feeding	N/A	300	120	East	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-24	Yes	Caribou	7	Feeding	N/A	300	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	8	Lying Down	N/A	200	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	28	Feeding	N/A	900	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-24	Yes	Caribou	45	Feeding	N/A	500	138	West	No	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-24	Yes	Caribou	121	Feeding	N/A	1300	174	West	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-25	Yes	Caribou	39	Lying Down	N/A	300	177	West	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-25	Yes	Caribou	1	Walking	S	200	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	15	Walking	N	500	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	4	Foraging	N/A	100	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	47	Walking	S	100	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-25	Yes	Caribou	14	Foraging	N/A	100	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	2	Walking	E	200	137	East	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	5	Lying Down	N/A	300	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	18	Walking	S	200	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	31	Lying Down	N/A	300	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	4	Foraging	N/A	100	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	27	Lying Down	N/A	400	116	West	No	-96.02061	65.08026	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	38	Walking	N	50	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-25	Yes	Caribou	3	Walking	E	0	118	West,East	Yes	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	53	Lying Down	N/A	300	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-25	Yes	Caribou	7	Foraging	N/A	400	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	16	Foraging	N/A	200	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	13	Walking	N/A	300	143	West	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	11	Walking	N	600	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	3	Foraging	N/A	500	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	16	Foraging	N/A	100	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	39	Foraging	N/A	300	177	West	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-25	Yes	Caribou	16	Foraging	N/A	100	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	15	Foraging	N/A	500	144	West	No	-96.37157	65.22295	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	4	Foraging	N/A	500	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	23	Walking	S	500	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	29	Foraging	N/A	400	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	5	Foraging	N/A	400	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	14	Walking	N	300	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	52	Foraging	N/A	300	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-25	Yes	Caribou	4	Walking	E	0	112	Both	Yes	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	5	Foraging	N/A	25	110	West	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	2	Walking	N/A	100	113	West	No	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Muskox	6	Foraging	N/A	1000	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	9	Walking	N	400	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	28	Walking	N	300	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	14	Walking	N	400	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	4	Walking	N	400	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	15	Walking	N	300	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	72	Walking	N	300	139	West	No	-96.27997	65.22686	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-05-25	Yes	Muskox	3	Foraging	N/A	200	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	7	Walking	N	200	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	7	Feeding	N/A	800	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	6	Feeding	N/A	500	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	16	Alert	N/A	700	159	West	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	5	Walking	E	300	157	West	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	3	Feeding	N/A	600	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	2	Alert	N/A	300	149	West	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	62	Feeding	N/A	500	142	West	No	-96.33710	65.22219	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-25	Yes	Caribou	8	Walking	SE	500	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	27	Feeding	N/A	400	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	4	Walking	S	500	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Muskox	2	Feeding	N/A	400	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	31	Feeding	N/A	900	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	3	Feeding	N/A	400	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	4	Lying Down	N/A	500	113	West	No	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	3	Lying Down	N/A	100	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	3	Lying Down	N/A	300	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	56	Feeding	N/A	1000	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-25	Yes	Muskox	2	Feeding	N/A	700	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	7	Walking	N	1000	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	58	Feeding	N/A	1000	131	West	No	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-25	Yes	Caribou	14	Alert	N/A	600	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	3	Lying Down	N/A	200	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	55	Lying Down	N/A	500	143	West	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-25	Yes	Caribou	33	Walking	S	500	146	West	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	16	Walking	N	800	150	West	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	7	Alert	N/A	800	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	4	Feeding	N/A	1000	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	18	Walking	W	600	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	8	Walking	N	300	163	West	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	23	Walking	E	300	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	30	Feeding	N/A	500	150	West	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	15	Walking	N	400	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-05-25	Yes	Caribou	16	Lying Down	N/A	500	142	West	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	9	Feeding	N/A	200	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	19	Lying Down	N/A	600	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-25	Yes	Caribou	48	Feeding	N/A	500	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-05-25	Yes	Caribou	12	Walking	W	600	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	7	Alert	N	800	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	7	Walking	S	1000	117	West	No	-96.00916	64.37262	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	23	Feeding	N/A	1300	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	8	Feeding	N/A	600	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	9	Alert	N/A	800	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Swan	1	Resting	N/A	300	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	7	Alert	N/A	500	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	15	Feeding	N/A	1000	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	20	Walking	E	400	133	East	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	32	Walking	N	600	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	9	Alert	N/A	600	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	9	Alert	N/A	800	143	West	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	25	Lying Down	N/A	500	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	40	Alert	N/A	400	149	West	No	-96.44264	65.22327	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-25	Yes	Caribou	9	Feeding	N/A	700	157	West	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-25	Yes	Caribou	55	Walking	E	0	177	Both	Yes	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-05-26	Yes	Caribou	5	Lying Down	N/A	1200	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	17	Lying Down	N/A	200	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	11	Foraging	N/A	500	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	5	Foraging	N/A	200	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	36	Foraging	N/A	400	131	West	No	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-26	Yes	Caribou	2	Foraging	N/A	100	126	East	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	1	Foraging	N/A	200	122	East	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Muskox	7	Lying Down	N/A	400	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	26	Lying Down	N/A	1000	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-26	Yes	Caribou	19	Lying Down	N/A	300	116	West	No	-96.02061	65.08026	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Muskox	10	Foraging	N/A	50	120	East	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	12	Foraging	N/A	100	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	8	Walking	N	200	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	3	Foraging	N/A	300	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	15	Walking	N	100	144	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	9	Walking	N	100	149	West	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	3	Walking	E	100	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	14	Walking	E	0	162	West,East	Yes	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	33	Walking	N	10	163	West	No	-96.43040	65.31741	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-05-26	Yes	Caribou	6	Walking	W	50	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	4	Foraging	N/A	700	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	1	Foraging	N/A	500	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	2	Lying Down	N/A	400	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	4	Foraging	N/A	200	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Muskox	3	Foraging	N/A	200	123	East	N/A	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	21	Foraging	N/A	300	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Muskox	7	Foraging	N/A	100	119	East	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	8	Walking	E	500	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	9	Walking	N	300	113	West	No	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	16	Walking	E	100	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	4	Feeding	N/A	1500	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	36	Walking	N	800	133	West	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-26	Yes	Caribou	44	Feeding	N/A	600	176	West	No	-96.60379	65.38622	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-26	Yes	Caribou	30	Lying Down	N/A	1000	177	West	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-26	Yes	Caribou	4	Alert	N/A	600	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	15	Feeding	N/A	1000	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	5	Walking	N	800	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	16	Walking	S	1300	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	8	Lying Down	N/A	1000	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-26	Yes	Caribou	14	Lying Down	N/A	900	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	3	Feeding	N/A	500	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	15	Lying Down	N/A	900	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	11	Feeding	N/A	1500	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Muskox	7	Feeding	N/A	400	119	East	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	6	Walking	N	400	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	10	Feeding	N/A	300	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Muskox	3	Feeding	N/A	400	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	10	Lying Down	N/A	1000	163	West	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	3	Feeding	N/A	1500	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-26	Yes	Caribou	6	Walking	N	1200	179	West	No	-96.66182	65.39735	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Caribou	4	Foraging	N/A	500	163	West	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Caribou	5	Foraging	N/A	500	113	West	No	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	19	Feeding	N/A	1000	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	2	Feeding	N/A	700	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Muskox	3	Lying Down	N/A	700	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	3	Walking	N	600	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Muskox	9	Lying Down	N/A	300	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	4	Feeding	N/A	700	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-05-27	Yes	Caribou	20	Feeding	N/A	1000	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-27	Yes	Caribou	7	Walking	S	300	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-05-27	Yes	Caribou	7	Walking	N	200	113	West	No	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-05-27	Yes	Caribou	14	Feeding	N/A	1000	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-27	Yes	Caribou	59	Walking	SW	1000	117	West	No	-96.03942	65.08370	N/A	N/A	No	Exceeded!!	Road restricted
Road	2025-05-27	Yes	Muskox	9	Lying Down	N/A	300	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	16	Walking	N	300	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	25	Foraging	N/A	150	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	4	Foraging	N/A	200	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	10	Walking	NW	150	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Muskox	5	Foraging	N/A	300	119	East	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	59	Foraging	N/A	500	117	West	No	-96.03942	65.08370	N/A	N/A	No	Exceeded!!	Restricted Access
Incidental	2025-05-28	Yes	Caribou	1	Walking	NW	600	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	15	Walking	N	150	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	49	Foraging	N/A	1200	179	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Restricted Access
Incidental	2025-05-28	Yes	Caribou	9	Feeding	N/A	1000	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	3	Walking	S	300	155	East	No	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-05-28	Yes	Caribou	2	Walking	S	500	144	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	3	Lying Down	N/A	500	139	West	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	20	Walking	E	400	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	26	Walking	W	200	117	West	No	-96.03942	65.08370	N/A	N/A	No	Exceeded!!	Road restricted + Speed Restriction
Incidental	2025-05-28	Yes	Caribou	5	Feeding	N/A	500	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	11	Feeding	N/A	800	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Muskox	6	Lying Down	N/A	300	119	East	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	16	Walking	S	500	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	16	Feeding	N/A	1000	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	27	Walking	W	400	177	West	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road restricted and speed restriction applied 179-176
Incidental	2025-05-28	Yes	Caribou	30	Feeding	N/A	1000	177	West	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-28	Yes	Caribou	28	Walking	N	800	161	West	No	-96.41207	65.30324	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-28	Yes	Caribou	3	Feeding	N/A	500	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	15	Walking	S	500	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	14	Walking	N	300	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	29	Walking	E	800	133	East	No	-96.17538	65.19925	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-28	Yes	Caribou	31	Feeding	N/A	800	130	West	No	-96.15280	65.17815	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-28	Yes	Caribou	22	Walking	S	1000	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-28	Yes	Caribou	21	Walking	S	800	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	36	Walking	S	400	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road restricted
Road	2025-05-28	Yes	Caribou	28	Feeding	N/A	1200	117	West	No	-96.03942	65.08370	N/A	N/A	No	Exceeded!!	Road restricted
Road	2025-05-28	Yes	Caribou	4	Walking	N	700	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	16	Lying Down	N/A	600	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	25	Feeding	N/A	500	163	West	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-28	Yes	Caribou	32	Feeding	N/A	900	175	West	No	-96.60237	65.37726	N/A	N/A	No	Exceeded!!	Road restricted
Road	2025-05-29	Yes	Caribou	17	Lying Down	N/A	1000	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	8	Lying Down	N/A	1500	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	26	Foraging	N/A	1000	162	West	No	-96.41680	65.31155	N/A	N/A	No	Exceeded!!	Restricted Access
Road	2025-05-29	Yes	Caribou	5	Walking	N	800	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	59	Lying Down	N/A	2000	114	West	No	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Restricted Access
Incidental	2025-05-29	Yes	Caribou	7	Foraging	N/A	500	116	West	No	-96.02061	65.08026	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	14	Walking	N	200	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	19	Walking	N	1500	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	12	Walking	N	1500	136	West	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	2	Walking	N	600	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	1	Walking	N	1200	145	West	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	3	Walking	S	800	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	7	Walking	N	1000	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	6	Lying Down	N/A	1500	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	20	Lying Down	N/A	800	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	17	Lying Down	N/A	600	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	9	Walking	N	800	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	8	Feeding	N/A	800	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-29	Yes	Caribou	2	Walking	S	1000	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	7	Feeding	N/A	500	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	1	Walking	E	1000	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	5	Alert	N/A	800	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	3	Feeding	N/A	900	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	1	Walking	N	800	170	West	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-29	Yes	Caribou	56	Walking	W	900	175	West	No	-96.60237	65.37726	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-30	Yes	Caribou	7	Feeding	N/A	200	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-05-30	Yes	Caribou	9	Lying Down	N/A	500	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-30	Yes	Caribou	4	Resting	N/A	600	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-30	Yes	Caribou	6	Walking	S	700	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-30	Yes	Caribou	42	Walking	S	800	117	West	No	-96.03942	65.08370	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-30	Yes	Muskox	1	Feeding	N/A	400	120	East	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-30	Yes	Caribou	38	Walking	S	800	114	West	No	-96.00424	65.06679	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-30	Yes	Caribou	8	Feeding	N/A	600	110	West	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	38	Feeding	N/A	1000	115	West	No	-96.00905	65.07112	N/A	N/A	No	Exceeded!!	Road restricted
Road	2025-05-30	Yes	Caribou	18	Feeding	N/A	1000	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	3	Walking	N	400	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Muskox	1	Feeding	N/A	400	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-05-30	Yes	Caribou	9	Walking	S	800	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	1	Alert	N/A	700	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Muskox	3	Feeding	N/A	500	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	45	Lying Down	N/A	900	143	West	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Road restricted
Road	2025-05-30	Yes	Caribou	1	Feeding	N/A	600	157	West	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-30	Yes	Caribou	18	Feeding	N/A	1200	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	27	Lying Down	N/A	1000	179	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-05-31	Yes	Caribou	10	Feeding	N/A	200	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	1	Walking	N	150	141	West	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	3	Walking	SW	150	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	46	Lying Down	N/A	300	131	West	No	-96.16073	65.18551	N/A	N/A	No	Exceeded!!	Road is restricted access Speed restriction km128-131
Incidental	2025-05-31	Yes	Caribou	8	Walking	S	1000	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	18	Walking	N	300	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Muskox	1	Lying Down	N/A	100	122	East	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	14	Lying Down	N/A	500	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	7	Walking	S	1000	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	5	Walking	NE	100	116	West	No	-96.02061	65.08026	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	7	Feeding	N/A	1000	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-05-31	Yes	Caribou	7	Feeding	N/A	300	110	West	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	16	Walking	N	300	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	6	Lying Down	N/A	200	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	11	Lying Down	N/A	500	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	23	Lying Down	N/A	500	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	13	Feeding	N/A	300	146	West	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	13	Lying Down	N/A	750	156	West	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Muskox	1	Feeding	N/A	500	161	East	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	7	Lying Down	N/A	500	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Muskox	3	Feeding	N/A	500	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-05-31	Yes	Caribou	13	Walking	NW	300	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	1	Foraging	N/A	800	179	West	No	-96.64397	65.40505	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	5	Lying Down	N/A	1000	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	5	Feeding	N/A	600	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	4	Lying Down	N/A	600	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	4	Trotting/running	NW	500	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	23	Feeding	N/A	500	143	West	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Muskox	2	Standing	N/A	1000	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	23	Lying Down	N/A	400	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	5	Feeding	N/A	700	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	7	Lying Down	N/A	800	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	1	Lying Down	N/A	300	125	East	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	15	Feeding	N/A	1000	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-01	Yes	Caribou	78	Lying Down	N/A	1600	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Group further than 1.5km Speed Restriction
Incidental	2025-06-01	Yes	Caribou	78	Standing	N/A	1600	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Group further than 1.5km Speed Restriction
Incidental	2025-06-01	Yes	Muskox	1	Feeding	N/A	200	122	East	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Caribou	1	Standing	N/A	300	125	East	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Caribou	1	Trotting/running	SE	300	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Caribou	7	Walking	N	500	145	West	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Caribou	11	Standing	N/A	2000	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Caribou	2	Standing	N/A	1000	150	East	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-01	Yes	Caribou	8	Feeding	N/A	1000	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Muskox	1	Feeding	N/A	300	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Caribou	6	Walking	N	1000	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Muskox	3	Feeding	N/A	1200	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Caribou	6	Walking	S	300	160	West	No	-96.00083	64.36427	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Caribou	1	Walking	W	0	154	West,East	Yes	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Muskox	2	Feeding	N/A	200	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Caribou	17	Feeding	N/A	1000	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Caribou	24	Feeding	N/A	300	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Caribou	8	Lying Down	N/A	500	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-02	Yes	Caribou	72	Feeding	N/A	1800	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Outside of 1500m zone
Incidental	2025-06-02	Yes	Caribou	27	Lying Down	N/A	1600	116	West	No	-96.02061	65.08026	N/A	N/A	No	Exceeded!!	Outisde of 1500m zone
Incidental	2025-06-02	Yes	Caribou	37	Lying Down	N/A	1700	111	West	No	-96.02402	65.04815	N/A	N/A	No	Exceeded!!	Outside of 1500m zone
Incidental	2025-06-02	Yes	Caribou	18	Lying Down	N/A	600	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	37	Feeding	N/A	1800	112	West	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Outside of 1500m zone
Road	2025-06-02	Yes	Caribou	72	Feeding	N/A	1800	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Outside of 1500m zone
Road	2025-06-02	Yes	Muskox	3	Feeding	N/A	400	123	East	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	15	Lying Down	N/A	500	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	17	Walking	S	500	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	9	Feeding	N/A	1000	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	13	Feeding	N/A	900	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	13	Feeding	N/A	1500	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-02	Yes	Caribou	3	Feeding	N/A	800	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	3	Walking	SE	500	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	32	Feeding	N/A	1000	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Restricted Access
Road	2025-06-03	Yes	Muskox	2	Foraging	N/A	500	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	14	Lying Down	N/A	400	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	7	Feeding	N/A	1200	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	6	Walking	N	1200	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	10	Foraging	N/A	2000	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-06-03	Yes	Caribou	9	Feeding	N/A	300	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-03	Yes	Caribou	22	Lying Down	N/A	700	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-03	Yes	Caribou	7	Feeding	N/A	1000	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	28	Foraging	N/A	1000	129	West	No	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	Restricted Access
Road	2025-06-03	Yes	Caribou	28	Foraging	N/A	1000	129	West	No	-96.14593	65.16902	N/A	N/A	No	Exceeded!!	Restricted Access
Road	2025-06-03	Yes	Caribou	21	Foraging	N/A	800	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	21	Foraging	N/A	800	111	West	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	2	Standing	N/A	1000	150	East	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	3	Feeding	N/A	1500	156	West	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	4	Feeding	N/A	200	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	1	Alert	N/A	200	170	West	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	10	Feeding	N/A	1000	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-03	Yes	Caribou	18	Feeding	N/A	800	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Muskox	1	Feeding	N/A	100	175	East	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Muskox	5	Feeding	N/A	500	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Muskox	1	Feeding	N/A	100	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Muskox	1	Feeding	N/A	50	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Caribou	9	Walking	N	500	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Caribou	8	Feeding	N/A	1000	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Caribou	9	Walking	NW	100	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Caribou	5	Standing	N/A	50	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-04	Yes	Muskox	1	Feeding	N/A	100	123	East	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-04	Yes	Caribou	4	Feeding	N/A	400	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Caribou	3	Lying Down	N/A	200	109	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Wolf	1	Trotting/running	N/A	10	128	North,West	Yes	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-06-04	Yes	Muskox	2	Standing	N/A	20	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Caribou	14	Walking	N	20	137	West	Yes	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Muskox	2	Lying Down	N/A	200	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Caribou	3	Feeding	N/A	800	157	West	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Muskox	3	Feeding	N/A	800	157	West	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Caribou	3	Feeding	N/A	1200	159	West	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Muskox	3	Standing	N/A	500	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Caribou	9	Feeding	N/A	1500	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-04	Yes	Caribou	17	Feeding	N/A	800	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-05	Yes	Caribou	5	Feeding	N/A	500	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-05	Yes	Muskox	4	Feeding	N/A	300	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-05	Yes	Caribou	60	Lying Down	N/A	1800	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Outside of 1500m zone
Road	2025-06-05	Yes	Caribou	4	Walking	S	400	116	West	No	-96.02061	65.08026	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-05	Yes	Caribou	1	Feeding	N/A	500	110	West	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-05	Yes	Caribou	7	Feeding	N/A	300	115	West	No	-96.00905	65.07112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-05	Yes	Caribou	1	Feeding	N/A	200	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-05	Yes	Muskox	1	Foraging	N/A	100	145	East	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-05	Yes	Caribou	3	Standing	N/A	100	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-05	Yes	Muskox	4	Lying Down	N/A	100	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-05	Yes	Caribou	8	Walking	N	300	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-05	Yes	Caribou	15	Feeding	N/A	800	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-06	Yes	Caribou	82	Lying Down	N/A	400	111	West	No	-96.02402	65.04815	N/A	N/A	No	Exceeded!!	Road restricted
Road	2025-06-06	Yes	Muskox	3	Feeding	N/A	500	172	West	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-06	Yes	Caribou	3	Feeding	N/A	1000	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-06	Yes	Muskox	2	Feeding	N/A	600	141	West	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-06	Yes	Caribou	7	Feeding	N/A	900	133	West	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-06	Yes	Muskox	3	Alert	N/A	50	119	East	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-06-06	Yes	Caribou	21	Feeding	N/A	1000	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-06	Yes	Caribou	110	Walking	E	400	110	West	No	-96.04065	65.04140	N/A	N/A	No	Exceeded!!	Road restricted
Incidental	2025-06-06	Yes	Muskox	5	Feeding	N/A	50	119	West,East	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-06-06	Yes	Muskox	2	Feeding	N/A	600	123	East	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-06	Yes	Muskox	2	Feeding	N/A	300	135	East	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-06	Yes	Muskox	1	Feeding	N/A	400	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-06	Yes	Muskox	1	Feeding	N/A	500	174	East	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-06	Yes	Caribou	13	Feeding	N/A	500	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Arctic hare	2	Alert	N/A	50	175	East	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Muskox	1	Feeding	N/A	200	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Caribou	11	Foraging	SE	500	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Muskox	3	Feeding	N/A	300	156	West	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Muskox	2	Feeding	N/A	50	146	East	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Caribou	5	Feeding	N/A	750	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-07	Yes	Caribou	31	Lying Down	N/A	1000	119	West	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Traffic is restricted
Road	2025-06-07	Yes	Caribou	118	Lying Down	N/A	1000	118	West	No	-96.05506	65.08648	N/A	N/A	No	Exceeded!!	Traffic is restricted
Incidental	2025-06-07	Yes	Muskox	2	Feeding	N/A	800	131	East	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-07	Yes	Muskox	1	Feeding	N/A	100	158	West	No	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-07	Yes	Muskox	1	Alert	N/A	200	174	East	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-08	Yes	Caribou	12	Lying Down	N/A	1000	118	West	N/A	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-08	Yes	Caribou	4	Walking	S	300	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-08	Yes	Wolf	1	Walking	S	100	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-08	Yes	Muskox	3	Foraging	N/A	100	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-08	Yes	Caribou	9	Feeding	N/A	400	171	West	N/A	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-09	Yes	Muskox	2	Walking	N	700	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-09	Yes	Muskox	1	Feeding	N/A	800	145	East	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-09	Yes	Caribou	6	Walking	S	400	143	West	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-06-09	Yes	Muskox	2	Lying Down	N/A	600	140	West	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-09	Yes	Muskox	3	Feeding	N/A	400	135	East	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-09	Yes	Caribou	15	Feeding	N/A	1800	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-10	Yes	Muskox	2	Feeding	N	125	130	West	N/A	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-12	Yes	Muskox	1	Feeding	N/A	200	145	East	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-12	Yes	Muskox	1	Feeding	N/A	800	132	East	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-12	Yes	Caribou	8	Feeding	N/A	400	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-12	Yes	Wolf	1	Feeding	N/A	25	130	East	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-12	Yes	Muskox	1	Feeding	N/A	25	128	East	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-12	Yes	Caribou	12	Foraging	S	200	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-12	Yes	Caribou	4	Alert	N/A	300	120	West	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-12	Yes	Caribou	4	Feeding	N/A	500	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-12	Yes	Muskox	1	Feeding	N/A	10	111	East	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Muskox	2	Feeding	N/A	800	132	East	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Arctic hare	1	Lying Down	N/A	25	132	East	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Muskox	6	Foraging	N/A	100	134	East	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-12	Yes	Caribou	2	Foraging	N/A	200	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-17	Yes	Muskox	7	Foraging	N/A	100	149	East	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-17	Yes	Muskox	1	Foraging	N/A	150	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-17	Yes	Muskox	1	Lying Down	N/A	80	159	East	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-21	Yes	Caribou	21	Walking	N	500	145	West	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-21	Yes	Caribou	1	Foraging	N/A	50	172	West	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Muskox	6	Foraging	N/A	300	149	West	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Caribou	10	Walking	NW	300	142	West	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Caribou	1	Foraging	N/A	600	132	East	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Muskox	3	Foraging	N/A	1	123	East	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Muskox	14	Foraging	N/A	100	119	East	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Speed restriction
Road	2025-06-21	Yes	Muskox	1	Foraging	N/A	50	118	West	No	-96.05506	65.08648	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Caribou	11	Foraging	N/A	200	117	West	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Caribou	11	Foraging	N/A	300	116	West	No	-96.02061	65.08026	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Muskox	1	Foraging	N/A	100	114	East	No	-96.00424	65.06679	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Muskox	1	Lying Down	N/A	100	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-21	Yes	Muskox	1	Lying Down	N/A	100	109	East	No	-96.04506	65.03568	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-26	Yes	Muskox	2	Foraging	N/A	25	112	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-26	Yes	Wolf	1	Walking	N	25	110	North,West	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-28	Yes	Wolf	1	Den	N/A	2	160	East	No	-96.36298	65.30372	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-29	Yes	Muskox	3	Feeding	N/A	100	125	West	No	-96.10792	65.13908	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-29	Yes	Muskox	1	Feeding	N/A	100	120	East	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-06-30	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-07-02	Yes	Caribou	1	Foraging	N/A	10	172	West	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-02	Yes	Muskox	1	Foraging	N/A	10	127	East	N/A	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-04	Yes	Muskox	4	Foraging	N/A	150	134	West	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-04	Yes	Muskox	1	Foraging	N/A	300	148	East	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-05	Yes	Muskox	1	Foraging	N/A	100	113	East	No	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-05	Yes	Muskox	1	Lying Down	N/A	50	116	East	No	-96.02061	65.08026	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-05	Yes	Wolf	2	Walking	N/A	0	139	Both	Yes	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-05	Yes	Muskox	7	Lying Down	N/A	400	149	East	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-05	Yes	Muskox	1	Lying Down	N/A	500	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-10	Yes	Muskox	2	Lying Down	N/A	300	110	West	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-10	Yes	Wolf	1	Resting	N/A	0	150	East	N/A	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-10	Yes	Muskox	3	Foraging	N/A	500	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-12	Yes	Muskox	2	Foraging	N/A	50	111	West	N/A	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-12	Yes	Muskox	4	Resting	N	200	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-13	Yes	Muskox	4	Foraging	N/A	500	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-15	Yes	Muskox	8	Foraging	N/A	5	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-07-17	Yes	Muskox	4	Lying Down	N/A	200	113	West	No	-95.99327	65.05880	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-17	Yes	Muskox	17	Foraging	N/A	100	110	West	No	-96.04065	65.04140	N/A	N/A	No	Exceeded!!	Speed restriction and stopping there already due to road works single lane
Incidental	2025-07-18	Yes	Caribou	1	Fleeing	W	N/A	N/A	West	N/A	-96.10111	65.04639	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-18	Yes	Wolf	1	Running	W	N/A	N/A	West	N/A	-96.10111	65.04639	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-18	Yes	Muskox	4	Feeding	N/A	300	123	West	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	6	Foraging	N/A	600	175	West	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Caribou	2	Foraging	N/A	1000	164	West	No	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	1	Lying Down	N/A	400	142	West	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	3	Foraging	N/A	300	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	5	Foraging	N/A	400	136	East	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	2	Foraging	N/A	200	126	West	No	-96.11084	65.14818	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-20	Yes	Muskox	1	Lying Down	N/A	500	124	West	No	-96.10808	65.13155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-21	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-07-22	Yes	Muskox	1	Foraging	E	400	136	East	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-22	Yes	Peregrine falcon	1	Alert	N/A	50	145	West	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-26	Yes	Muskox	9	Feeding	N/A	1000	150	East	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-26	Yes	Arctic hare	1	Feeding	N/A	400	150	West	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-26	Yes	Muskox	1	Feeding	N/A	10	137	West	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-07-26	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-07-28	Yes	Muskox	25	Foraging	N/A	75	169	West	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Speed restriction km169
Road	2025-07-29	Yes	Muskox	1	Feeding	N/A	150	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-29	Yes	Muskox	1	Feeding	N/A	100	112	East	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-29	Yes	Siksik	1	Standing	N/A	10	129	East	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-07-29	Yes	Siksik	1	Foraging	NE	25	131	East	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-30	Yes	Arctic fox	1	Alert	E	100	162	East	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-30	Yes	Muskox	17	Feeding	N/A	100	119	East	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Speed restriction
Road	2025-07-30	Yes	Muskox	18	Walking	W	100	119	Both	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Speed Restriction
Road	2025-07-30	Yes	Muskox	11	Walking	N	800	130	West	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-07-31	Yes	Siksik	1	Trotting/running	W	0	160	Both	Yes	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-31	Yes	Ptarmigan	3	Trotting/running	N/A	0	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-01	Yes	Arctic hare	1	Walking	SE	10	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-01	Yes	Siksik	1	Standing	N/A	10	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-01	Yes	Muskox	14	Foraging	NE	300	119	East	No	-96.06476	65.09321	N/A	N/A	No	Exceeded!!	Speed Restriction
Road	2025-08-01	Yes	Muskox	3	Foraging	NE	300	110	East	No	-96.04065	65.04140	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-01	Yes	Muskox	1	Feeding	N/A	400	136	East	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-01	Yes	Canada goose	8	Flying	NW	100	165	West	N/A	-96.46782	65.32389	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-01	Yes	Muskox	13	Feeding	N/A	800	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-02	Yes	Rough-legged-Hawk	1	Flying	N/A	800	162	West	N/A	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-02	Yes	Siksik	1	Trotting/running	E	0	135	East	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-04	Yes	Wolf	2	Trotting/running	NW	100	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-08-09	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-08-09	Yes	Caribou	1	Foraging	E	50	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-14	Yes	Caribou	1	Walking	S	0	157	West	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-08-16	Yes	Caribou	1	Walking	S	0	119	East	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-08-16	Yes	Caribou	1	Walking	S	20	135	East	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-08-16	Yes	Caribou	1	Walking	S	5	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-08-20	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-08-21	Yes	Snow goose	30	Flying	S	3000	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-21	Yes	Ptarmigan	70	Lying Down	N/A	25	127	East	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-24	Yes	Snow goose	75	Foraging	E	15	173	East	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-24	Yes	Snow goose	200	Flying	S	2000	163	West	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-30	Yes	Muskox	1	Foraging	N/A	500	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-30	Yes	Caribou	1	Foraging	N/A	300	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-08-30	Yes	Caribou	1	Walking	SE	50	170	East	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-03	Yes	Muskox	1	Lying Down	N/A	150	179	West	No	-96.60679	65.39312	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-03	Yes	Muskox	1	Foraging	N/A	800	159	East	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-03	Yes	Snow goose	7	Flying	W	10	141	West	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-03	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-05	Yes	Snow goose	8	Lying Down	N/A	10	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-05	Yes	Ptarmigan	30	Lying Down	N/A	10	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-05	Yes	Canada goose	15	Flying	NW	15	132	West	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-05	Yes	Snow goose	13	Lying Down	N/A	25	129	West	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-05	Yes	Snow goose	15	Lying Down	N/A	30	128	West	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-05	Yes	Sandhill crane	3	Foraging	NW	5	123	West	No	-96.10441	65.12217	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-05	Yes	Muskox	1	Foraging	E	100	172	East	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-06	Yes	Caribou	3	Feeding	N/A	300	173	East	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-06	Yes	Muskox	1	Walking	N	200	146	West	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-08	Yes	Canada goose	40	Flying	SW	100	169	Both	N/A	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-08	Yes	Snow goose	25	Lying Down	N/A	25	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-08	Yes	Snow goose	18	Walking	E	0	134	Both	Yes	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-08	Yes	Snow goose	46	Lying Down	N/A	10	132	Both	No	-96.16457	65.19400	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-10	Yes	Snow goose	15	Foraging	N/A	500	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-10	Yes	Arctic fox	1	Walking	W	0	120	West	Yes	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-11	Yes	Snow goose	8	Standing	N/A	5	173	East	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-11	Yes	Muskox	1	Foraging	N/A	1000	158	West	N/A	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-11	Yes	Snow goose	63	Foraging	N/A	10	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-11	Yes	Wolf	1	Walking	N	0	119	West	Yes	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-13	Yes	Muskox	1	Foraging	N/A	1000	158	East	No	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-13	Yes	Gyrfalcon	2	Nesting	N/A	100	148	West	N/A	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-13	Yes	Caribou	1	Walking	S	1000	175	East	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-15	Yes	Canada goose	9	Flying	SE	100	112	West	Yes	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-15	Yes	Muskox	1	Foraging	NE	100	147	East	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-17	Yes	Caribou	1	Lying Down	N/A	50	170	West	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-17	Yes	Gyrfalcon	1	Resting	N/A	30	147	West	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-17	Yes	Muskox	1	Foraging	N/A	1	172	East	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-21	Yes	Muskox	1	Foraging	N/A	900	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-21	Yes	Muskox	1	Foraging	N/A	500	147	East	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-23	Yes	Muskox	6	Foraging	N/A	500	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-09-25	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-09-30	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-02	Yes	Arctic hare	1	Resting	N/A	10	161	West	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-04	Yes	Arctic fox	1	Walking	SW	450	151	East	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-09	Yes	Arctic hare	1	Dead	N/A	0	155	Both	N/A	-96.43417	65.26761	N/A	Project related	No	Not Exceeded	N/A
Road	2025-10-11	Yes	Caribou	15	Foraging	SE	250	176	East	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-13	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-10-17	Yes	Caribou	1	Foraging	W	0	165	Both	Yes	-96.46782	65.32389	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-10-17	Yes	Caribou	3	Walking	NE	400	130	East	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-10-18	Yes	Caribou	1	Foraging	NE	100	154	East	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-20	Yes	Caribou	4	Foraging	N/A	300	138	East	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-20	Yes	Muskox	5	Foraging	N/A	1500	130	East	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-22	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-10-22	Yes	Caribou	1	Walking	NE	1000	128	East	No	-96.13583	65.16137	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-22	Yes	Caribou	2	Walking	NW	600	130	East	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-22	Yes	Caribou	15	Foraging	N/A	1500	130	East	No	-96.15280	65.17815	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-22	Yes	Caribou	18	Foraging	N/A	1000	149	East	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-22	Yes	Caribou	5	Foraging	N/A	900	152	East	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-24	Yes	Caribou	4	Foraging	N/A	50	154	East	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-24	Yes	Caribou	15	Foraging	N/A	40	144	East	No	-96.36131	65.22297	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-24	Yes	Muskox	5	Lying Down	N/A	400	138	East	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-24	Yes	Caribou	3	Foraging	W	20	131	West	No	-96.16073	65.18551	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-27	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-10-31	Yes	Muskox	1	Walking	S	3000	163	West	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-31	Yes	Muskox	2	Walking	SE	300	147	East	No	-96.41835	65.22786	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-31	Yes	Caribou	300	Foraging	N/A	100	147	East	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road is closed. See incidental survey for more info.
Road	2025-10-31	Yes	Caribou	10	Alert	N/A	50	142	East	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-31	Yes	Ptarmigan	6	Foraging	N	10	142	East	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-31	Yes	Muskox	3	Lying Down	N/A	50	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-10-31	Yes	Muskox	3	Standing	N/A	300	136	East	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-31	Yes	Muskox	3	Foraging	N/A	100	134	East	No	-96.19286	65.20481	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-31	Yes	Muskox	2	Foraging	N/A	150	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-31	Yes	Caribou	3	Resting	N/A	100	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-31	Yes	Caribou	12	Foraging	N/A	250	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-31	Yes	Caribou	300	Walking	N	1000	145	East	No	-96.37690	65.22422	N/A	N/A	No	Exceeded!!	Road closed to new traffic. Speed restriction in place where caribou were observed. Local traffic returning to hubs
Incidental	2025-10-31	Yes	Caribou	32	Walking	N/A	1000	146	East	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-31	Yes	Caribou	16	Feeding	N/A	100	146	East	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-31	Yes	Muskox	2	Walking	SW	2000	154	West	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-31	Yes	Muskox	1	Walking	W	2500	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-31	Yes	Caribou	300	Walking	N	300	147	East	No	-96.41835	65.22786	N/A	N/A	No	Exceeded!!	Road closed. Vehicles being escorted by environment team.
Incidental	2025-10-31	Yes	Muskox	2	Walking	E	0	148	West	Yes	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-31	Yes	Muskox	1	Foraging	N/A	600	162	West	No	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-01	Yes	Caribou	186	Foraging	N/A	50	149	East	No	-96.44264	65.22327	N/A	N/A	No	Exceeded!!	The WTHR has been closed as of 2025-10-31. Wildlife monitoring every day.
Road	2025-11-01	Yes	Muskox	2	Foraging	NW	25	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-01	Yes	Caribou	1	Lying Down	N/A	50	121	East	N/A	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-01	Yes	Caribou	1	Foraging	N	100	121	East	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-01	Yes	Muskox	3	Foraging	N/A	50	138	Both	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-01	Yes	Caribou	60	Walking	N	1500	142	East	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-01	Yes	Caribou	3	Lying Down	N/A	50	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-01	Yes	Muskox	3	Foraging	N/A	200	135	East	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-01	Yes	Caribou	24	Foraging	NE	1	139	East	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-01	Yes	Caribou	5	Foraging	N/A	400	151	East	N/A	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-01	Yes	Caribou	319	Foraging	N/A	50	149	West,East	No	-96.44264	65.22327	N/A	N/A	No	Exceeded!!	Road was closed due to the caribou the day before.
Road	2025-11-02	Yes	Caribou	9	Walking	E	100	152	East	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-02	Yes	Caribou	8	Foraging	N/A	600	146	East	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-02	Yes	Caribou	1	Walking	E	50	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-02	Yes	Muskox	1	Foraging	N/A	600	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-02	Yes	Muskox	2	Standing	N/A	300	137	East	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-02	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-11-03	Yes	Muskox	3	Foraging	N/A	400	138	West	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-03	Yes	Muskox	3	Foraging	N/A	250	137	East	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-03	Yes	Muskox	36	Foraging	N/A	3800	110	East	No	-96.04065	65.04140	N/A	N/A	No	Exceeded!!	Group further than 500m
Incidental	2025-11-03	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-11-04	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-11-04	Yes	Caribou	135	Foraging	N/A	800	160	East	N/A	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road Close
Road	2025-11-04	Yes	Muskox	1	Foraging	N/A	500	156	West	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-04	Yes	Caribou	356	Foraging	N/A	100	159	East	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	The road has been closed
Incidental	2025-11-04	Yes	Muskox	3	Foraging	N/A	250	139	East	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-05	Yes	Caribou	12	Walking	N	300	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-05	Yes	Caribou	59	Lying Down	N/A	25	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-05	Yes	Caribou	53	Walking	NE	400	161	East	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-05	Yes	Caribou	55	Walking	S	100	159	East	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-05	Yes	Caribou	9	Trotting/running	SE	250	129	East	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-05	Yes	Caribou	9	Foraging	SE	250	129	East	No	-96.14593	65.16902	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-05	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-11-06	Yes	Caribou	5	Foraging	N/A	250	159	East	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-07	Yes	Caribou	43	Feeding	N/A	1000	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-07	Yes	Caribou	52	Walking	E	2000	159	East	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-11-08	Yes	Caribou	14	Foraging	N/A	2500	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-09	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-11-10	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-11-10	Yes	Caribou	47	Foraging	N/A	300	161	East	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-10	Yes	Caribou	33	Foraging	N/A	400	161	East	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-10	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-11-11	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-11-11	Yes	Caribou	9	Walking	N	1000	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-11	Yes	Caribou	1	Walking	S	300	161	East	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-12	Yes	Muskox	1	Foraging	N/A	1500	160	West	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-12	Yes	Caribou	8	Foraging	NE	800	158	East	No	-96.40471	65.27776	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-13	Yes	Caribou	12	Feeding	N/A	1800	159	East	No	-96.40886	65.28601	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-13	Yes	Caribou	1	Feeding	N/A	500	138	East	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-13	Yes	Arctic fox	1	Dead	N/A	0	110	West	No	-96.04065	65.04140	N/A	Project related	No	Not Exceeded	N/A
Road	2025-11-14	Yes	Caribou	8	Foraging	N/A	300	144	East	No	-96.37301	65.22325	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-14	Yes	Caribou	1	Walking	E	200	137	East	No	-96.24150	65.21944	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-14	Yes	Caribou	15	Trotting/running	E	1500	138	East	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-14	Yes	Muskox	1	Foraging	N/A	200	156	West	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-14	Yes	Muskox	17	Foraging	N/A	5000	170	West	No	-96.54979	65.34665	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-11-16	Yes	Muskox	1	Foraging	N/A	100	156	West	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-16	Yes	Muskox	6	Foraging	N/A	1000	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-17	Yes	Caribou	10	Foraging	NE	200	171	West	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-18	Yes	Muskox	1	Foraging	N/A	50	156	East	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-11-18	Yes	Muskox	5	Foraging	N/A	1000	139	East	No	-96.27997	65.22686	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-18	Yes	Caribou	6	Foraging	N/A	400	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-20	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-11-22	Yes	Arctic fox	1	Standing	N/A	0	108	West	No	-96.08468	65.02733	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-22	Yes	Arctic fox	1	Running	S	1	127	West	No	-96.12549	65.15381	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-22	Yes	Common raven	2	Standing	N/A	0	135	West	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-22	Yes	Arctic fox	1	Feeding	W	0	154	Both	Yes	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-22	Yes	Arctic fox	1	Dead	N/A	0	154	East	No	-96.46296	65.25460	N/A	Project related	No	Not Exceeded	N/A
Road	2025-11-24	Yes	Muskox	3	Foraging	N/A	3000	144	East	No	-96.37400	65.22356	N/A	N/A	No	Not Exceeded	N/A
Road	2025-11-26	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-11-26	Yes	Muskox	18	Foraging	E	1000	113	East	No	-95.99327	65.05880	N/A	N/A	No	Exceeded!!	Group further than 500m
Road	2025-11-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-11-30	Yes	Muskox	1	Walking	E	600	154	East	No	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-30	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-12-02	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-12-04	Yes	Muskox	3	Foraging	N/A	50	155	East	N/A	-96.43417	65.26761	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-04	Yes	Arctic fox	1	Walking	W	0	170	Both	Yes	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-04	Yes	Muskox	1	Foraging	N/A	400	143	West	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-05	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Road	2025-12-05	Yes	Muskox	2	Lying Down	N/A	30	157	East	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-05	Yes	Muskox	3	Foraging	N/A	300	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-05	Yes	Caribou	3	Foraging	N/A	100	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-05	Yes	Muskox	2	Foraging	N/A	100	121	East	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-05	Yes	Caribou	2	Foraging	N/A	150	120	East	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-07	Yes	Muskox	7	Lying Down	N/A	1000	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-09	Yes	Muskox	18	Lying Down	N/A	2000	159	West	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Group further than 500m
Incidental	2025-12-09	Yes	Muskox	1	Alert	N/A	400	117	East	No	-96.03942	65.08370	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-09	Yes	Muskox	7	Feeding	N/A	600	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-11	Yes	Muskox	7	Foraging	N/A	150	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-11	Yes	Muskox	1	Foraging	N/A	200	122	West	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-11	Yes	Muskox	3	Flying	N/A	300	157	East	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-12	Yes	Muskox	1	Foraging	N/A	200	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-12	Yes	Caribou	13	Walking	W	2000	156	East	No	-96.45207	65.26222	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-12	Yes	Muskox	4	Foraging	N/A	200	157	East	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-12	Yes	Muskox	9	Lying Down	N/A	400	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-13	Yes	Muskox	7	Foraging	N/A	100	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-14	Yes	Caribou	53	Feeding	N/A	800	170	East	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-14	Yes	Caribou	685	Feeding	N	1000	169	East	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-12-14	Yes	Muskox	7	Feeding	N/A	600	168	West	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-14	Yes	Muskox	3	Feeding	N/A	300	157	East	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-14	Yes	Caribou	32	Walking	N	2000	152	East	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-14	Yes	Muskox	3	Feeding	N/A	500	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-14	Yes	Muskox	3	Resting	N/A	400	120	East	No	-96.07280	65.10021	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-14	Yes	Caribou	39	Foraging	N/A	1000	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-14	Yes	Caribou	39	Feeding	N/A	1000	144	East	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-14	Yes	Caribou	333	Foraging	N/A	100	166	East	No	-96.48819	65.32529	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-14	Yes	Caribou	213	Foraging	N/A	400	170	East	No	-96.54979	65.34665	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-12-15	Yes	Caribou	315	Feeding	N/A	100	174	East	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-12-15	Yes	Caribou	100	Foraging	N	100	174	East	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closed. Escorting crew change
Road	2025-12-15	Yes	Caribou	21	Resting	N	200	171	East	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-15	Yes	Caribou	82	Walking	N	50	170	East	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-15	Yes	Caribou	20	Walking	E	200	169	East	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-15	Yes	Caribou	44	Walking	N	200	168	East	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-15	Yes	Caribou	4	Foraging	SW	300	167	West	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-15	Yes	Caribou	150	Walking	N	300	166	East	No	-96.48819	65.32529	N/A	N/A	No	Exceeded!!	Road closed. Escorting convoy
Road	2025-12-15	Yes	Caribou	10	Walking	E	0	154	Both	Yes	-96.46296	65.25460	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-15	Yes	Caribou	25	Foraging	N/A	700	144	East	N/A	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-15	Yes	Caribou	11	Walking	E	500	151	East	N/A	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-12-15	Yes	Caribou	6	Foraging	N/A	800	152	East	N/A	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-15	Yes	Caribou	1	Walking	E	200	157	East	N/A	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-15	Yes	Muskox	3	Foraging	N/A	300	162	East	N/A	-96.41680	65.31155	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-15	Yes	Caribou	120	Foraging	E	0	163	West,East	Yes	-96.43040	65.31741	N/A	N/A	No	Exceeded!!	Road is closed
Incidental	2025-12-15	Yes	Caribou	220	Walking	W	500	167	East	N/A	-96.50610	65.32837	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-15	Yes	Muskox	8	Resting	N/A	1200	167	West	N/A	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-15	Yes	Caribou	16	Resting	N/A	800	167	West	N/A	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-15	Yes	Caribou	105	Foraging	N/A	1000	169	East	N/A	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-15	Yes	Caribou	125	Foraging	N/A	400	169	East	N/A	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-15	Yes	Caribou	305	Foraging	N/A	400	172	East	No	-96.58667	65.35504	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-12-16	Yes	Caribou	10	Standing	W	200	174	East	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-16	Yes	Caribou	9	Foraging	N/A	200	172	West	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-16	Yes	Caribou	9	Foraging	N/A	100	169	East	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-16	Yes	Caribou	8	Foraging	N/A	400	161	East	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-16	Yes	Caribou	50	Walking	SW	200	156	East	No	-96.45207	65.26222	N/A	N/A	No	Exceeded!!	Road already closed
Road	2025-12-16	Yes	Caribou	13	Foraging	W	200	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-16	Yes	Muskox	3	Foraging	N/A	500	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-16	Yes	Caribou	132	Walking	SW	300	151	East	No	-96.46622	65.23447	N/A	N/A	No	Exceeded!!	Road already closed, leading convoy
Incidental	2025-12-16	Yes	Caribou	13	Walking	E	300	142	East	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	161	Foraging	N/A	600	145	East	No	-96.37690	65.22422	N/A	N/A	No	Exceeded!!	Road already closed, leading convoy
Incidental	2025-12-16	Yes	Caribou	44	Foraging	N/A	500	149	East	No	-96.44264	65.22327	N/A	N/A	No	Exceeded!!	Road closed already
Incidental	2025-12-16	Yes	Caribou	5	Walking	NW	1000	153	West	No	-96.47626	65.24823	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	6	Foraging	N/A	100	157	East	No	-96.41584	65.27123	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	183	Foraging	W	800	159	East	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Roadalready closed
Incidental	2025-12-16	Yes	Caribou	27	Foraging	N/A	300	162	East	No	-96.41680	65.31155	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-16	Yes	Caribou	78	Foraging	N/A	200	164	East	No	-96.44722	65.32256	N/A	N/A	No	Exceeded!!	Road closed already
Incidental	2025-12-16	Yes	Muskox	7	Lying Down	N/A	100	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	12	Foraging	N/A	200	168	East	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	10	Foraging	N/A	400	168	East	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	100	Lying Down	N/A	200	169	East	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road already closed
Incidental	2025-12-16	Yes	Caribou	55	Trotting/running	W	200	172	East	No	-96.58667	65.35504	N/A	N/A	No	Exceeded!!	Road already closed
Incidental	2025-12-16	Yes	Caribou	3	Foraging	N	50	174	East	Yes	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	13	Foraging	N/A	2000	175	East	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	54	Feeding	N/A	1500	175	East	No	-96.60237	65.37726	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-16	Yes	Caribou	97	Feeding	N/A	100	173	West,East	No	-96.60297	65.35972	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-16	Yes	Caribou	56	Feeding	N/A	100	171	West,East	No	-96.56860	65.35200	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-16	Yes	Caribou	15	Walking	S	600	169	East	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Muskox	7	Feeding	N/A	1000	166	West	No	-96.48819	65.32529	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	7	Walking	N	500	163	East	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	85	Feeding	N/A	400	161	East	No	-96.41207	65.30324	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-16	Yes	Muskox	3	Feeding	N/A	300	152	East	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-16	Yes	Caribou	119	Feeding	N/A	100	150	West,East	No	-96.45008	65.23022	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-16	Yes	Caribou	124	Feeding	E	200	170	West	No	-96.54979	65.34665	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-12-17	Yes	Caribou	22	Resting	N/A	200	173	West	N/A	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-17	Yes	Caribou	6	Foraging	N/A	300	169	East	N/A	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-17	Yes	Muskox	7	Resting	N/A	600	164	West	N/A	-96.44722	65.32256	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-17	Yes	Caribou	7	Lying Down	N/A	100	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-18	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-12-18	Yes	Muskox	2	Foraging	N/A	N/A	N/A	West	N/A	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-19	Yes	Muskox	3	Foraging	N/A	150	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-19	Yes	Caribou	8	Foraging	N/A	15	176	East	N/A	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-12-20	Yes	Caribou	6	Foraging	N/A	50	175	East	N/A	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-12-20	Yes	Caribou	15	Walking	N	800	174	East	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-12-20	Yes	Caribou	24	Foraging	N/A	1000	170	East	No	-96.54979	65.34665	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-20	Yes	Muskox	3	Foraging	N/A	800	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-20	Yes	Caribou	15	Foraging	N/A	500	144	East	No	-96.38913	65.22570	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-20	Yes	Caribou	14	Foraging	N/A	1500	144	East	No	-96.38918	65.22569	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-20	Yes	Caribou	59	Foraging	N/A	1000	139	East	No	-96.27997	65.22686	N/A	N/A	No	Exceeded!!	Speed restriction between km137 to km139, fleet reduced
Road	2025-12-23	Yes	Caribou	36	Foraging	N/A	150	177	East	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Speed restriction applied from 176 to 178.
Road	2025-12-23	Yes	Muskox	1	Foraging	N/A	100	163	East	No	-96.43040	65.31741	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-23	Yes	Caribou	24	Foraging	N/A	200	146	East	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	Speed Restriction
Incidental	2025-12-23	Yes	Caribou	6	Lying Down	N/A	1000	145	East	No	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-23	Yes	Muskox	3	Foraging	N/A	100	151	West	No	-96.46622	65.23447	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-23	Yes	Caribou	54	Foraging	N/A	50	177	East	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Speed restriction applied. Reduced fleet.
Incidental	2025-12-24	Yes	Arctic fox	2	Walking	E	0	136	East	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-24	Yes	Caribou	5	Walking	SE	300	119	West	No	-96.06476	65.09321	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-24	Yes	Caribou	56	Foraging	N/A	250	139	East	No	-96.27997	65.22686	N/A	N/A	No	Exceeded!!	Speed restriction and reduced traffic
Road	2025-12-24	Yes	Muskox	1	Walking	N	500	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-24	Yes	Caribou	14	Foraging	N/A	650	143	East	No	-96.35797	65.22367	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-24	Yes	Caribou	9	Lying Down	N/A	500	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-24	Yes	Caribou	3	Foraging	N/A	750	150	East	No	-96.45008	65.23022	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-25	Yes	Caribou	25	Foraging	N/A	300	177	East	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-12-25	Yes	Caribou	18	Foraging	SW	300	149	East	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-12-25	Yes	Caribou	48	Foraging	N/A	150	148	East	No	-96.42744	65.22048	N/A	N/A	No	Exceeded!!	Fleet reduced, speed restriction
Road	2025-12-25	Yes	Caribou	32	Foraging	N/A	300	143	East	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Fleet reduced, speed restriction
Road	2025-12-25	Yes	Caribou	58	Foraging	N/A	750	140	East	No	-96.29851	65.22197	N/A	N/A	No	Exceeded!!	Fleet reduced, speed restriction
Road	2025-12-25	Yes	Caribou	6	Foraging	N/A	250	138	East	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	Speed Restriction
Road	2025-12-25	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Incidental	2025-12-25	Yes	Muskox	1	Walking	E	300	133	East	No	-96.17538	65.19925	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-25	Yes	Caribou	37	Foraging	N/A	300	137	East	No	-96.24150	65.21944	N/A	N/A	No	Exceeded!!	Fleeet reduced
Incidental	2025-12-25	Yes	Caribou	36	Foraging	N/A	250	139	East	No	-96.27997	65.22686	N/A	N/A	No	Exceeded!!	Fleet reduced
Incidental	2025-12-25	Yes	Caribou	11	Foraging	W	500	11	East	No	-96.02386	64.40539	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-25	Yes	Caribou	13	Foraging	N/A	1000	149	West	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-25	Yes	Caribou	4	Walking	W	500	173	East	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-25	Yes	Caribou	24	Foraging	N/A	650	174	East	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-25	Yes	Caribou	3	Walking	S	300	175	East	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Caribou	25	Foraging	N/A	500	178	East	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Caribou	53	Foraging	N/A	500	177	West	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Fleet is reduced
Road	2025-12-26	Yes	Caribou	33	Foraging	N/A	1500	173	East	No	-96.60297	65.35972	N/A	N/A	No	Exceeded!!	Fleet reduced
Road	2025-12-26	Yes	Caribou	27	Foraging	N/A	650	171	East	No	-96.56860	65.35200	N/A	N/A	No	Exceeded!!	Fleet reduced
Road	2025-12-26	Yes	Caribou	330	Foraging	N/A	200	169	East	No	-96.53703	65.34003	N/A	N/A	No	Exceeded!!	Road closed
Road	2025-12-26	Yes	Caribou	160	Foraging	N/A	100	165	East	No	-96.46782	65.32389	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-12-26	Yes	Caribou	70	Foraging	N/A	500	161	East	No	-96.41207	65.30324	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-12-26	Yes	Caribou	19	Foraging	N/A	500	149	East	No	-96.44264	65.22327	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Caribou	28	Foraging	N/A	500	146	East	No	-96.39801	65.22627	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-12-26	Yes	Caribou	57	Foraging	N/A	50	143	East	No	-96.35797	65.22367	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-12-26	Yes	Caribou	5	Foraging	N/A	100	141	East	No	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Caribou	27	Foraging	N/A	500	140	East	No	-96.29851	65.22197	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-12-26	Yes	Caribou	48	Foraging	N/A	400	138	East	No	-96.26018	65.22380	N/A	N/A	No	Exceeded!!	Road closure
Road	2025-12-26	Yes	Caribou	10	Foraging	N/A	300	138	East	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Caribou	1	Foraging	N/A	1000	136	East	No	-96.22740	65.21308	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-26	Yes	Caribou	15	Foraging	N/A	1000	138	East	No	-96.26018	65.22380	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-26	Yes	Caribou	18	Foraging	N/A	500	146	East	No	-96.39801	65.22627	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-26	Yes	Caribou	150	Foraging	N/A	100	159	East	No	-96.40886	65.28601	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-26	Yes	Caribou	32	Foraging	N/A	100	165	West,East	No	-96.46782	65.32389	N/A	N/A	No	Exceeded!!	Road closed
Incidental	2025-12-26	Yes	Caribou	44	Foraging	N/A	500	174	West	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-12-26	Yes	Caribou	49	Foraging	N/A	200	175	West	No	-96.60237	65.37726	N/A	N/A	No	Exceeded!!	Road closure
Incidental	2025-12-26	Yes	Caribou	8	Lying Down	N/A	300	176	East	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-26	Yes	Caribou	9	Foraging	N/A	1000	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-26	Yes	Caribou	13	Foraging	N	0	178	West,East	Yes	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-26	Yes	Muskox	1	Walking	W	100	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-27	Yes	Caribou	25	Lying Down	N/A	350	178	Both	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-27	Yes	Caribou	20	Foraging	N/A	150	177	East	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-27	Yes	Caribou	27	Foraging	N/A	100	177	Both	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-12-27	Yes	Caribou	10	Foraging	N/A	50	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-27	Yes	Caribou	38	Foraging	N/A	50	174	East	No	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-12-27	Yes	Caribou	48	Foraging	N/A	30	173	East	No	-96.60297	65.35972	N/A	N/A	No	Exceeded!!	road closed
Road	2025-12-27	Yes	Caribou	42	Foraging	N/A	25	171	East	No	-96.56860	65.35200	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-12-27	Yes	Caribou	19	Foraging	N/A	1000	161	East	No	-96.41207	65.30324	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-27	Yes	Caribou	36	Foraging	N/A	30	149	Both	N/A	-96.44264	65.22327	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-12-27	Yes	Caribou	74	Foraging	SE	250	144	East	N/A	-96.42791	65.22020	N/A	N/A	No	Exceeded!!	Road closed.
Road	2025-12-27	Yes	Caribou	31	Foraging	N/A	100	142	East	No	-96.33710	65.22219	N/A	N/A	No	Exceeded!!	Reduced fleet
Road	2025-12-27	Yes	Caribou	12	Foraging	N/A	50	141	East	N/A	-96.31809	65.22368	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-27	Yes	Caribou	32	Foraging	N/A	50	140	East	No	-96.29851	65.22197	N/A	N/A	No	Exceeded!!	Reduced fleet
Road	2025-12-27	Yes	Caribou	39	Foraging	N/A	300	139	East	No	-96.27997	65.22686	N/A	N/A	No	Exceeded!!	Fleet reduced.
Road	2025-12-27	Yes	Caribou	62	Foraging	N/A	500	136	East	No	-96.22740	65.21308	N/A	N/A	No	Exceeded!!	Reduced fleet.
Incidental	2025-12-27	Yes	Wolf	1	Walking	NW	0	109	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-27	Yes	Caribou	8	Walking	S	500	135	East	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-27	Yes	Caribou	24	Foraging	N/A	600	169	East	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-27	Yes	Caribou	51	Foraging	N/A	112	112	East	No	-96.00217	65.05112	N/A	N/A	No	Exceeded!!	Reduced fleet
Incidental	2025-12-27	Yes	Caribou	16	Foraging	N/A	1000	111	East	No	-96.02402	65.04815	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-28	Yes	Caribou	28	Foraging	N/A	500	178	West	No	-96.62190	65.40086	N/A	N/A	No	Exceeded!!	Speed restriction set in place and fleet reduced.
Road	2025-12-28	Yes	Caribou	7	Foraging	N/A	650	177	East	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-28	Yes	Caribou	35	Foraging	N/A	400	177	West	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Speed restriction put in place and fleet was reduced as per temp.
Road	2025-12-28	Yes	Caribou	25	Foraging	N/A	800	175	East	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-28	Yes	Caribou	5	Foraging	N/A	800	169	East	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-28	Yes	Caribou	4	Foraging	N/A	100	168	East	No	-96.52405	65.33352	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-28	Yes	Caribou	55	Walking	SE	1000	160	East	No	-96.41356	65.29429	N/A	N/A	No	Exceeded!!	Road speed restriction and fleet reduced
Road	2025-12-28	Yes	Muskox	3	Foraging	N/A	500	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-28	Yes	Caribou	1	Foraging	N/A	500	148	West	No	-96.42744	65.22048	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-28	Yes	Caribou	9	Foraging	N/A	400	142	East	No	-96.33710	65.22219	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-28	Yes	Caribou	112	Foraging	N/A	600	141	East	No	-96.31809	65.22368	N/A	N/A	No	Exceeded!!	Reduced fleet
Road	2025-12-28	Yes	Caribou	43	Foraging	N/A	300	135	East	No	-96.20801	65.20890	N/A	N/A	No	Exceeded!!	Speed restriction already in place and fleet reduced
Road	2025-12-28	Yes	Caribou	18	Foraging	N/A	800	135	East	No	-96.20801	65.20890	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-28	Yes	Caribou	12	Foraging	N/A	500	122	East	No	-96.09715	65.11477	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-28	Yes	Caribou	48	Foraging	N/A	600	163	East	No	-96.43040	65.31741	N/A	N/A	No	Exceeded!!	Fleet reduced, speed restriction added.
Incidental	2025-12-28	Yes	Caribou	54	Foraging	N/A	40	176	West	No	-96.60379	65.38622	N/A	N/A	No	Exceeded!!	Speed restriction put in place from km175 to amaruq.
Road	2025-12-29	Yes	Caribou	11	Foraging	Not Recorded	200	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-29	Yes	Caribou	12	Foraging	N/A	1000	177	West	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-29	Yes	Caribou	9	Walking	SW	300	176	West	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-29	Yes	Caribou	4	Foraging	N/A	700	176	East	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-29	Yes	Caribou	80	Foraging	E	0	174	Both	Yes	-96.60128	65.36832	N/A	N/A	No	Exceeded!!	Reduced fleet and speed restriction
Road	2025-12-29	Yes	Caribou	9	Foraging	N/A	900	173	West	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-29	Yes	Caribou	9	Walking	SE	1000	171	East	No	-96.56860	65.35200	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-29	Yes	Caribou	18	Foraging	N/A	1400	169	West	No	-96.53703	65.34003	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-29	Yes	Caribou	17	Foraging	N/A	800	167	East	No	-96.50610	65.32837	N/A	N/A	No	Not Exceeded	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Road	2025-12-29	Yes	Caribou	4	Walking	N	1200	160	East	No	-96.41356	65.29429	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-29	Yes	Muskox	2	Foraging	N/A	1600	121	West	No	-96.08638	65.10712	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-29	Yes	Caribou	24	Foraging	N/A	800	109	East	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-29	Yes	Arctic fox	1	Running	SE	0	145	West	Yes	-96.37690	65.22422	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-29	Yes	Caribou	48	Lying Down	N/A	800	171	West	No	-96.56860	65.35200	N/A	N/A	No	Exceeded!!	Speed restriction of 30km/h from km170 to 175, reduced fleet
Road	2025-12-30	Yes	Caribou	20	Foraging	N/A	100	178	West	No	-96.62190	65.40086	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Caribou	12	Foraging	N/A	100	177	Both	No	-96.60847	65.39434	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Caribou	7	Foraging	N/A	150	176	East	No	-96.60379	65.38622	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Caribou	11	Foraging	N/A	150	175	Both	No	-96.60237	65.37726	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Caribou	14	Foraging	N/A	250	174	East	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Caribou	19	Foraging	N/A	50	174	West	No	-96.60128	65.36832	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Caribou	2	Foraging	N/A	75	173	East	No	-96.60297	65.35972	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Caribou	10	Foraging	N/A	1000	172	West	No	-96.58667	65.35504	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Muskox	3	Lying Down	N/A	1400	152	West	No	-96.47617	65.24176	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Caribou	22	Walking	W	1000	140	East	No	-96.29851	65.22197	N/A	N/A	No	Not Exceeded	N/A
Road	2025-12-30	Yes	Caribou	7	Foraging	E	1000	109	East	No	-96.05310	65.03111	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-12-30	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-12-30	Yes	Caribou	61	Foraging	N/A	50	177	West,East	No	-96.60847	65.39434	N/A	N/A	No	Exceeded!!	Speed restriction in place 176 to AMQ, reduced fleet
Incidental	2025-12-30	Yes	Caribou	22	Foraging	N/A	300	179	West	No	-96.00217	65.05112	N/A	N/A	No	Not Exceeded	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-10 10:44	Yes	Muskox	4	Lying Down	N/A	500	154	East		-96.46296	65.25460				Not Exceeded	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-10 10:44	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-20 12:36	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-01-25 1:55	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-06 8:15	Yes	Caribou	6	Standing	Not Recorded	3000	144	East		-96.35797	65.22367				Not Exceeded	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-06 8:15	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-15 12:45	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-02-22 1:02	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-01 8:58	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-08 8:19	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-16 7:54	N/A	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A

Table A-2: Wildlife Observations along the Whale Tail Haul Road in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-16 7:54	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	116	N/A		-96.02061	65.08026				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	118	N/A		-96.05506	65.08648				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	121-122	N/A		-96.08638	65.10712				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	128	N/A		-96.13583	65.16137				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	133	N/A		-96.17538	65.19925				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	138	N/A		-96.26018	65.22380				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	144	N/A		-96.35797	65.22367				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	154	N/A		-96.46296	65.25460				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	156	N/A		-96.45207	65.26222				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	160-161	N/A		-96.41356	65.29429				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	166	N/A		-96.48819	65.32529				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	169	N/A		-96.53703	65.34003				N/A	N/A
Viewshed	2025-03-22 7:35	Yes	Muskox	15	Foraging	N/A	3000	176	East		-96.60379	65.38622				Exceeded	Group further than 500m
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A
Viewshed	2025-03-22 7:35	No	-	N/A	N/A	N/A	N/A	176	N/A		-96.60379	65.38622				N/A	N/A

Table A-3: Wildlife Observations at Meadowbank Mine in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Mine & Pit	2025-01-05	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-01-10	Yes	Caribou	4	Foraging	N/A	400	N/A	South	No	-96.08139	65.01833	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-01-12	Yes	Wolf	2	Feeding	Not Recorded	100	N/A	South	No	-96.00361	65.07500	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-01-13	Yes	Caribou	6	Walking	E	300	N/A	West	Yes	-96.00361	65.07500	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-01-13	Yes	Wolf	1	Foraging	N/A	100	N/A	South	No	-96.05778	65.03278	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-15	Yes	Wolf	2	Foraging	SW	N/A	N/A	South	N/A	-96.04450	65.04178	Successful deterrence	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-01-16	Yes	Wolf	1	Walking	W	100	N/A	West	No	-96.06111	65.03111	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-01-16	Yes	Wolf	2	Foraging	SW	N/A	N/A	South	N/A	-96.04450	65.04178	Successful deterrence	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-01-17	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-01-17	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-01-19	Yes	Wolf	1	Walking	E	0	N/A	East	Yes	-96.04450	65.04178	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-01-19	Yes	Wolf	1	Walking	N/A	N/A	N/A	East	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-19	Yes	Wolf	1	Walking	N/A	N/A	N/A	South,West	N/A	-96.06694	65.02194	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-22	Yes	Wolf	1	Running	NE	N/A	N/A	East	N/A	-96.06500	65.01556	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-01-23	Yes	Wolf	1	Walking	W	N/A	N/A	West	N/A	-96.07667	65.03917	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-01-23	Yes	Wolverine	1	Walking	NW	N/A	N/A	West	N/A	-96.06111	65.03111	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-01-23	Yes	Caribou	11	Walking	N	N/A	N/A	West	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-24	Yes	Wolf	1	Alert	E	N/A	N/A	East	N/A	-96.07667	65.03917	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-01-26	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-01-29	Yes	Arctic fox	1	Walking	SE	20	N/A	East	Yes	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-01-29	Yes	Wolf	1	Running	N/A	1	N/A	East	Yes	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-30	Yes	Wolverine	1	Walking	S	N/A	N/A	South	N/A	-96.08139	65.01833	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-30	Yes	Wolf	1	Feeding	N/A	N/A	N/A	West	N/A	-96.05778	65.03278	Deterrents did not succeed	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-01-31	Yes	Arctic fox	2	Alert	N/A	20	N/A	South	No	-96.05778	65.03278	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-03	Yes	Wolf	1	Foraging	S	N/A	N/A	South	N/A	-96.05778	65.03278	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-02-04	Yes	Wolf	1	Foraging	NE	N/A	N/A	South	N/A	-96.05778	65.03278	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-02-04	Yes	Wolverine	1	Running	N	N/A	N/A	North	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-04	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-02-05	Yes	Muskox	10	Resting	Not Recorded	N/A	N/A	South	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-05	Yes	Caribou	5	Feeding	N/A	N/A	N/A	South	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-02-10	Yes	Caribou	9	Walking	NE	750	N/A	South	No	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-10	Yes	Arctic fox	1	Running	W	0	N/A	South	Yes	-96.07250	65.02500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-11	Yes	Wolf	1	Dead	N/A	N/A	N/A	North	N/A	-96.04450	65.04178	Deterrents did not succeed	Project related	No	Not Exceeded	N/A
Incidental	2025-02-11	Yes	Wolverine	1	Standing	NW	N/A	N/A	South	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-12	Yes	Wolverine	1	Trotting/running	SW	N/A	N/A	North	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-12	Yes	Arctic fox	2	Feeding	N/A	10	N/A	South	No	-96.06111	65.03111	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-12	Yes	Gyrfalcon	1	Flying	W	5	N/A	West	No	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-02-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-02-17	Yes	Arctic fox	1	Foraging	N/A	10	N/A	West	No	-96.05778	65.03278	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-02-20	Yes	Caribou	5	Foraging	N/A	1500	N/A	East	No	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-24	Yes	Wolverine	1	Walking	SW	N/A	N/A	South	N/A	-96.06750	65.01611	Successful deterrence	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-24	Yes	Wolverine	1	Walking	NW	N/A	N/A	North	N/A	-96.06750	65.01611	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-25	Yes	Caribou	5	Foraging	N/A	500	N/A	South	No	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-26	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-02-27	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-02	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-06	Yes	Caribou	12	Walking	NE	500	N/A	South	No	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-03-06	Yes	Caribou	7	Lying Down	N/A	1500	N/A	South	No	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-03-08	Yes	Caribou	18	Standing	N/A	N/A	N/A	South	N/A	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-03-09	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-14	Yes	Arctic fox	1	Foraging	N/A	50	N/A	West	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-03-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-20	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-21	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-24	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-30	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-31	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-02	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-02	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-04	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-05	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A-3: Wildlife Observations at Meadowbank Mine in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Mine & Pit	2025-04-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-07	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-10	Yes	Caribou	141	Foraging	N	1000	N/A	West	No	-96.00361	65.07500	N/A	N/A	No	Exceeded!!	Wthr is closed
Mine & Pit	2025-04-10	Yes	Caribou	5	Walking	W	750	N/A	West	No	-96.00361	65.07500	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-04-10	Yes	Caribou	75	Lying Down	Not Recorded	1500	N/A	West	No	-96.00361	65.07500	N/A	N/A	No	Exceeded!!	Wthr is closed
Mine & Pit	2025-04-10	Yes	Caribou	12	Feeding	Not Recorded	500	N/A	East	No	-96.04833	65.01083	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-04-10	Yes	Caribou	33	Walking	E	1000	N/A	South	No	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-04-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-16	Yes	Arctic fox	1	Walking	S	1	N/A	South	Yes	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-04-18	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-20	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-22	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-23	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-26	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-29	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-30	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-02	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-03	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-04	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-05	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-18	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-20	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-26	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-29	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-31	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-06-01	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-06-04	Yes	Arctic fox	1	Dead	N/A	N/A	N/A	N/A	N/A	-96.07000	65.02000	N/A	Project related	No	Not Exceeded	N/A
Mine & Pit	2025-06-09	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-06-14	Yes	Caribou	5	Feeding	N	N/A	N/A	West	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-06-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-06-21	Yes	Caribou	8	Feeding	N	N/A	N/A	South	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-06-22	Yes	Arctic hare	1	Trotting/running	N	0	N/A	East	Yes	-96.04833	65.01083	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-25	Yes	Muskox	2	Walking	N	N/A	N/A	East	N/A	-96.07250	65.02500	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-06-25	Yes	Muskox	2	Foraging	N/A	N/A	N/A	South	N/A	-96.07250	65.02500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-25	Yes	Muskox	1	Foraging	N/A	N/A	N/A	North,East	N/A	-96.10111	65.04639	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-26	Yes	Arctic fox	5	Playing	N/A	N/A	N/A	West	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-27	Yes	Caribou	2	Foraging	N/A	N/A	N/A	North,West	N/A	-96.05167	65.04167	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-06-28	Yes	Arctic hare	1	Running	NE	0	N/A	North	No	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-06-28	Yes	Arctic fox	5	Milling	N/A	0	N/A	North,South,East,West	No	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-06-28	Yes	Muskox	2	Resting	N/A	75	N/A	South	No	-96.06750	65.01611	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Muskox	1	Feeding	N/A	N/A	N/A	South	N/A	-96.07000	65.02000	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Arctic fox	1	Running	N/A	N/A	N/A	South,North,West,East	N/A	-96.06750	65.01611	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Muskox	2	Foraging	N/A	N/A	N/A	East	N/A	-96.07250	65.02500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Arctic fox	1	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Muskox	1	Feeding	N/A	N/A	N/A	West	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Muskox	2	Foraging	N/A	N/A	N/A	South	N/A	-96.06278	65.01472	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-01	Yes	Arctic fox	2	Foraging	N/A	N/A	N/A	N/A	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-01	Yes	Muskox	2	Foraging	N/A	N/A	N/A	East	N/A	-96.07250	65.02500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-03	Yes	Muskox	11	Foraging	N/A	N/A	N/A	East	N/A	-96.08139	65.01833	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-03	Yes	Muskox	2	Foraging	N/A	N/A	N/A	N/A	N/A	-96.07000	65.02000	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-07-03	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-07-04	Yes	Muskox	1	Lying Down	N/A	N/A	N/A	East	N/A	-96.07250	65.02500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-04	Yes	Arctic fox	7	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-07-05	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-07-07	Yes	Muskox	1	Foraging	N/A	N/A	N/A	North	N/A	-96.07250	65.02500	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-07-13	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-07-16	Yes	Wolf	2	Foraging	S	N/A	N/A	East	N/A	-96.05778	65.03278	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-07-22	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-07-27	Yes	Arctic fox	2	Walking	N/A	N/A	N/A	N/A	N/A	-96.07361	65.02167	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-07-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-07-31	Yes	Unkown Bird	5	Resting	N/A	N/A	N/A	N/A	N/A	-96.07000	65.02139	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-04	Yes	Caribou	1	Walking	NE	0	N/A	N/A	N/A	-96.06972	65.01167	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-04	Yes	Arctic fox	4	Feeding	N/A	0	N/A	North	No	-96.06500	65.01556	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-11	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-08-14	Yes	Caribou	1	Walking	S	0	N/A	East	No	-96.04450	65.04178	Successful deterrence	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-14	Yes	Arctic hare	1	Standing	S	5	N/A	West	No	-96.10111	65.04639	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-15	Yes	Caribou	2	Walking	W	N/A	N/A	N/A	N/A	-96.04450	65.04178	Successful deterrence	N/A	No	Not Exceeded	N/A

Table A-3: Wildlife Observations at Meadowbank Mine in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Mine & Pit	2025-08-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-08-16	Yes	Wolverine	2	Foraging	N/A	N/A	N/A	N/A	N/A	-96.06750	65.01611	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-08-17	Yes	Wolverine	2	Foraging	N/A	N/A	N/A	N/A	N/A	-96.04450	65.04178	Successful deterrence	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-20	Yes	Arctic hare	1	Alert	N/A	4	N/A	East	No	-96.04833	65.01083	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-21	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-08-21	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-08-21	Yes	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-22	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-08-23	Yes	Arctic fox	1	Walking	E	0	N/A	N/A	Yes	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-23	Yes	Arctic fox	1	Walking	N/A	0	N/A	N/A	N/A	-96.06750	65.01611	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-23	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-08-24	Yes	Caribou	1	Standing	N/A	N/A	N/A	East	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-24	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-08-24	Yes	Arctic fox	1	Walking	N/A	5	N/A	N/A	No	-96.06500	65.01556	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-26	Yes	Arctic fox	1	Running	N/A	N/A	N/A	N/A	N/A	-96.07361	65.02167	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-26	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-09-05	Yes	Arctic fox	1	Dead	N/A	N/A	N/A	N/A	N/A	-96.00217	65.05112	N/A	Project related	No	Not Exceeded	N/A
Mine & Pit	2025-09-07	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-09-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-09-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-09-18	Yes	Wolverine	1	Foraging	S	N/A	N/A	N/A	N/A	-96.06500	65.01556	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-09-19	Yes	Wolverine	2	Foraging	S	N/A	N/A	N/A	N/A	-96.06750	65.01611	Successful deterrence	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-09-21	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-09-22	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-09-23	Yes	Arctic fox	1	Foraging	N/A	N/A	N/A	South	N/A	-96.06278	65.01472	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-23	Yes	Common raven	1	Feeding	N/A	N/A	N/A	South	N/A	-96.06278	65.01472	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-23	Yes	Wolverine	1	Foraging	S	N/A	N/A	N/A	N/A	-96.06750	65.01611	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-09-25	Yes	Wolverine	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.06389	65.01500	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-09-25	Yes	Wolverine	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.06389	65.01500	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-09-25	Yes	Wolverine	1	Running	N	N/A	N/A	N/A	N/A	-96.04833	65.01083	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-09-28	Yes	Wolverine	1	Alert	N/A	N/A	N/A	N/A	N/A	-96.05444	65.03333	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-09-28	Yes	Wolverine	1	Trotting/running	NE	N/A	N/A	North	N/A	-96.06278	65.01472	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-29	Yes	Wolverine	1	Playing	N	N/A	N/A	N/A	N/A	-96.06278	65.01472	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-09-29	Yes	Wolverine	1	Trotting/running	N	N/A	N/A	N/A	N/A	-96.06111	65.03111	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-09-29	Yes	Wolverine	1	Feeding	N/A	N/A	N/A	N/A	N/A	-96.05444	65.03333	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-09-29	Yes	Wolverine	1	Running	NE	N/A	N/A	North	N/A	-96.07250	65.02500	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-02	Yes	Wolverine	1	Running	S	N/A	N/A	South	N/A	-96.06750	65.01611	Successful deterrence	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-10-05	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-10-08	Yes	Wolverine	2	Foraging	N	N/A	N/A	West	N/A	-96.07000	65.02139	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-10-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-09	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-10	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-11	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-13	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-18	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-10-20	Yes	Wolverine	1	Foraging	N	N/A	N/A	N/A	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-10-20	Yes	Wolverine	1	Walking	NW	N/A	N/A	N/A	N/A	-96.05444	65.03333	Successful deterrence	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-10-26	Yes	Common raven	1	Flying	SW	0	N/A	South	No	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-10-26	Yes	Common raven	3	Standing	N/A	0	N/A	N/A	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-02	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-04	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-07	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-09	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-11	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-11	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-13	Yes	Arctic fox	2	Foraging	N/A	0	N/A	N/A	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-14	Yes	Arctic fox	1	Trotting/running	S	0	N/A	N/A	Yes	-96.07250	65.02500	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-18	Yes	Arctic hare	1	Walking	N/A	0	N/A	South	No	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A

Table A-3: Wildlife Observations at Meadowbank Mine in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Mine & Pit	2025-11-18	Yes	Common raven	1	Flying	N	0	N/A	N/A	No	-96.05694	65.00528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-18	Yes	Common raven	2	Standing	N/A	0	N/A	N/A	No	-96.05778	65.03278	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-20	Yes	Arctic fox	1	Feeding	N/A	0	N/A	N/A	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-20	Yes	Common raven	7	Feeding	N/A	0	N/A	N/A	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-21	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-22	Yes	Muskox	36	Foraging	N/A	100	N/A	South	No	-96.00361	65.07500	N/A	N/A	No	Exceeded!!	Group further than 500 m
Mine & Pit	2025-11-24	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-26	Yes	Arctic fox	1	Feeding	N/A	0	N/A	East	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-26	Yes	Common raven	6	Feeding	N/A	0	N/A	North	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-27	Yes	Common raven	4	Foraging	N/A	0	N/A	North	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-27	Yes	Arctic fox	1	Walking	W	0	N/A	West	Yes	-96.07000	65.02139	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-27	Yes	Arctic fox	1	Walking	W	0	N/A	East	Yes	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-27	Yes	Arctic fox	2	Foraging	W	0	N/A	East	Yes	-96.07000	65.02000	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-27	Yes	Arctic fox	1	Trotting/running	SW	0	N/A	North	Yes	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-28	Yes	Arctic fox	1	Walking	N	0	N/A	East	Yes	-96.06389	65.01500	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-28	Yes	Common raven	2	Flying	E	500	N/A	East	No	-96.04972	65.01472	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-28	Yes	Common raven	17	Feeding	N/A	200	N/A	North	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-29	Yes	Arctic fox	3	Resting	N/A	100	N/A	North	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-29	Yes	Common raven	13	Flying	N/A	150	N/A	North	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-29	Yes	Common raven	2	Lying Down	N/A	150	N/A	West	No	-96.06111	65.03111	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-11-30	Yes	Arctic fox	1	Trotting/running	N/A	N/A	N/A	East	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-30	Yes	Arctic fox	1	Milling	S	50	N/A	North	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-01	Yes	Arctic fox	1	Trotting/running	NE	0	N/A	West	Yes	-96.06750	65.01611	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-01	Yes	Arctic fox	1	Trotting/running	W	0	N/A	East	Yes	-96.06500	65.01556	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-01	Yes	Arctic fox	1	Trotting/running	NW	10	N/A	West	N/A	-96.07250	65.02500	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-02	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-03	Yes	Arctic fox	2	Running	N/A	50	N/A	North	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-04	Yes	Muskox	31	Foraging	N/A	2000	N/A	East	No	-96.04450	65.04178	N/A	N/A	No	Exceeded!!	Group further than 500m
Mine & Pit	2025-12-04	Yes	Arctic fox	1	Trotting/running	S	0	N/A	N/A	Yes	-96.06750	65.01611	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-06	Yes	Common raven	3	Foraging	N/A	50	N/A	North	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-06	Yes	Arctic fox	1	Milling	N/A	50	N/A	North	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-07	Yes	Arctic fox	1	Walking	N	200	N/A	West	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-10	Yes	Common raven	32	Standing	N/A	0	N/A	N/A	N/A	-96.06111	65.03111	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-11	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-16	Yes	Arctic fox	1	Trotting/running	E	0	N/A	West	Yes	-96.06500	65.01556	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-16	Yes	Arctic fox	1	Trotting/running	W	0	N/A	East	Yes	-96.07000	65.02139	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-18	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-18	Yes	Common raven	3	Flying	N	10	N/A	West	Yes	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-19	Yes	Arctic fox	1	Trotting/running	SW	0	N/A	West	Yes	-96.07250	65.02500	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-19	Yes	Arctic fox	1	Trotting/running	S	0	N/A	East	Yes	-96.06694	65.02194	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-19	Yes	Wolverine	1	Walking	N	50	N/A	N/A	No	-96.05444	65.03333	Successful deterrence	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-19	Yes	Arctic fox	1	Trotting/running	NE	50	N/A	East	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-20	Yes	Arctic fox	1	Trotting/running	S	0	N/A	West	Yes	-96.05778	65.03278	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-20	Yes	Arctic fox	2	Lying Down	NE	10	N/A	West	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-23	Yes	Arctic fox	2	Walking	SW	0	N/A	South	Yes	-96.06694	65.02194	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-23	Yes	Common raven	2	Flying	NW	50	N/A	East	Yes	-96.07000	65.02000	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-23	Yes	Arctic fox	1	Trotting/running	SW	0	N/A	East	Yes	-96.07000	65.02000	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-24	Yes	Arctic fox	1	Walking	W	0	N/A	West	N/A	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-24	Yes	Arctic fox	1	Running	S	1	N/A	South	No	-96.07000	65.02139	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-24	Yes	Arctic fox	3	Running	NE	0	N/A	South	Yes	-96.07000	65.02139	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-26	Yes	Arctic fox	1	Walking	SE	10	N/A	East	N/A	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-26	Yes	Arctic fox	2	Walking	N	0	N/A	South	N/A	-96.05778	65.03278	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-26	Yes	Arctic hare	1	Running	E	5	N/A	East	No	-96.04450	65.04178	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-28	Yes	Common raven	2	Flying	S	200	N/A	South	N/A	-96.04972	65.01472	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-30	Yes	Common raven	8	Foraging	N/A	100	N/A	West	No	-96.05444	65.03333	N/A	N/A	No	Not Exceeded	N/A
Pre-Blast	2025-02-08 11:58	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-14 13:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-17 12:43	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-18 13:17	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-21 10:35	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-24 14:46	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-02 13:15	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-03 13:49	Wildlife observed	Caribou	2	Feeding	Parallel to road	N/A	N/A	N/A	N/A	-96.08208	65.02002	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-03-05 12:05	Wildlife observed	Caribou	5	Resting	N/A	N/A	N/A	N/A	N/A	-96.06733	65.02479	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-03-16 12:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-24 13:44	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-27 12:34	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-30 17:53	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-03 14:35	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-16 11:55	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-24 13:00	Wildlife observed	Caribou	475	Foraging	N/A	N/A	N/A	N/A	N/A	-96.02351	65.04798	N/A	N/A	N/A	Exceeded	Blast Cancelled

Table A-4: Wildlife Observations at Whale Tail Mine in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Mine & Pit	2025-01-04	Yes	Arctic fox	1	Walking	S	0	N/A	South	Yes	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-01-04	Yes	Arctic fox	1	Alert	N/A	0	N/A	South	No	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-01-14	Yes	Arctic fox	1	Dead	N/A	N/A	N/A	North	N/A	-96.67316	65.40620	N/A	Project related	No	Not Exceeded	N/A
Mine & Pit	2025-01-18	Yes	Arctic fox	1	Standing	N/A	20	N/A	West	No	-96.68083	65.40060	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-01-25	Yes	Muskox	27	Resting	N/A	1000	N/A	North	No	-96.72792	65.40934	N/A	N/A	No	Exceeded!!	No mitigation, group far from site
Mine & Pit	2025-01-31	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-02-01	Yes	Wolf	1	Trotting/running	E	N/A	N/A	North	N/A	-96.68479	65.40768	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-02-02	Yes	Wolf	1	Walking	N/A	N/A	N/A	North	N/A	-96.69148	65.41467	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-03	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-02-05	Yes	Wolf	1	Walking	Not Recorded	N/A	N/A	North	N/A	-96.69148	65.41467	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-07	Yes	Wolf	1	Walking	W	N/A	N/A	North	N/A	-96.69026	65.41185	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-07	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-02-08	Yes	Wolf	1	Trotting/running	E	N/A	N/A	East	N/A	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-10	Yes	Wolf	1	Dead	E	N/A	N/A	North	N/A	-96.68617	65.39569	Deterrents did not succeed	Project related	No	Not Exceeded	N/A
Incidental	2025-02-11	Yes	Wolf	1	Walking	E	N/A	N/A	North	N/A	-96.67702	65.39954	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-12	Yes	Wolverine	1	Not recorded	E	N/A	N/A	East	N/A	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-12	Yes	Caribou	2	Feeding	Not Recorded	N/A	N/A	West	N/A	-96.69730	65.40372	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-02-13	Yes	Wolf	1	Walking	S	N/A	N/A	East	N/A	-96.68632	65.40507	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-02-17	Yes	Wolf	1	Dead	N	N/A	N/A	South	N/A	-96.70527	65.40389	Deterrents did not succeed	Project related	No	Not Exceeded	N/A
Mine & Pit	2025-02-23	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-02-24	Yes	Arctic fox	2	Foraging	N/A	300	N/A	West	No	-96.68875	65.41692	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-02-25	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-01	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-20	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-21	Yes	Arctic fox	1	Trotting/running	W	0	N/A	East	Yes	-96.67915	65.40624	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-03-22	Yes	Arctic fox	1	Trotting/running	N	5	N/A	West	Yes	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-03-23	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-24	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-03-25	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-04	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-05	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-07	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-09	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-11	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-12	Yes	Arctic fox	1	Foraging	NW	1	N/A	West	Yes	-96.68479	65.40768	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-04-12	Yes	Arctic fox	1	Foraging	N/A	0	N/A	North	Yes	-96.67702	65.39954	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-04-13	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-15	Yes	Arctic fox	1	Walking	N/A	0	N/A	East	Yes	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-04-17	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-21	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-22	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-23	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-25	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-04-26	Yes	Caribou	150	Walking	S	N/A	N/A	West	N/A	-96.73344	65.39528	N/A	N/A	No	Exceeded!!	Road closed, no blast was scheduled
Mine & Pit	2025-04-26	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-04-27	Yes	Caribou	150	Feeding	N/A	N/A	N/A	West	N/A	-96.69730	65.40372	N/A	N/A	No	Exceeded!!	Road closed
Mine & Pit	2025-04-28	Yes	Caribou	21	Feeding	N/A	3000	N/A	West	No	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-04-28	Yes	Caribou	22	Walking	NE	3000	N/A	North	No	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-04-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-04-29	Yes	Caribou	65	Walking	E	600	N/A	North	No	-96.73691	65.39922	N/A	N/A	No	Exceeded!!	WTHR road is closed.
Mine & Pit	2025-04-29	Yes	Caribou	79	Foraging	N/A	200	N/A	West	No	-96.70527	65.40389	N/A	N/A	No	Exceeded!!	WTHR is closed.
Mine & Pit	2025-04-29	Yes	Caribou	34	Walking	N	1500	N/A	West	No	-96.68617	65.39569	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-04-30	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-01	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-02	Yes	Caribou	5	Lying Down	N/A	500	N/A	West	No	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-05-02	Yes	Caribou	8	Running	E	400	N/A	East	No	-96.73691	65.39922	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-05-03	Yes	Caribou	75	Feeding	N/A	1000	N/A	West	No	-96.70527	65.40389	N/A	N/A	No	Exceeded!!	Road closed
Mine & Pit	2025-05-03	Yes	Caribou	28	Walking	NE	2000	N/A	East	No	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-05-03	Yes	Caribou	64	Walking	W	1500	N/A	West	No	-96.73691	65.39922	N/A	N/A	No	Exceeded!!	Road closed
Mine & Pit	2025-05-04	Yes	Caribou	10	Alert	N/A	1000	N/A	West	No	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-05-04	Yes	Caribou	23	Walking	N	500	N/A	West	No	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-05-05	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-10	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A-4: Wildlife Observations at Whale Tail Mine in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Mine & Pit	2025-05-17	Yes	Arctic fox	1	Walking	SE	0	N/A	North	Yes	-96.69730	65.40372	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-05-17	Yes	Arctic fox	1	Running	SW	0	N/A	North	Yes	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-05-28	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-05-30	Yes	Caribou	9	Walking	S	200	N/A	South	No	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-03	Yes	Caribou	4	Lying Down	N/A	N/A	N/A	East	N/A	-96.68875	65.41692	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-03	Yes	Muskox	5	Feeding	N/A	N/A	N/A	South	N/A	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-07	Yes	Arctic fox	1	Dead	N/A	N/A	N/A	N/A	N/A	-96.69730	65.40372	N/A	Project related	No	Not Exceeded	N/A
Mine & Pit	2025-06-07	Yes	Muskox	3	Feeding	N/A	400	N/A	North	No	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-06-07	Yes	Caribou	8	Feeding	N/A	1500	N/A	South,West	No	-96.68617	65.39569	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-06-22	Yes	Muskox	2	Foraging	N/A	0	N/A	South	No	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Caribou	1	Walking	SW	N/A	N/A	West	N/A	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Arctic fox	1	Trotting/running	Not Recorded	N/A	N/A	West	N/A	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Arctic hare	1	Alert	N/A	N/A	N/A	N/A	N/A	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Muskox	1	Feeding	N/A	N/A	N/A	N/A	N/A	-96.73691	65.39922	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Arctic fox	1	Standing	N/A	N/A	N/A	N/A	N/A	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-06-30	Yes	Canada goose	17	Feeding	N/A	N/A	N/A	N/A	N/A	-96.68938	65.40226	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-07-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-07-12	Yes	Wolf	4	Walking	NW	N/A	N/A	West	N/A	-96.72792	65.40934	Successful deterrence	N/A	No	Not Exceeded	N/A
Incidental	2025-07-14	Yes	Caribou	1	Walking	E	N/A	N/A	North	N/A	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-07-19	Yes	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.69026	65.41185	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-21	Yes	Caribou	1	Walking	E	N/A	N/A	North	N/A	-96.69730	65.40372	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-21	Yes	Caribou	1	Feeding	Not Recorded	N/A	N/A	South	N/A	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-25	Yes	Canada goose	10	Resting	Not Recorded	N/A	N/A	North	N/A	-96.67316	65.40620	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-07-26	Yes	Canada goose	7	Feeding	N/A	75	N/A	West	No	-96.73691	65.39922	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-29	Yes	Caribou	1	Walking	E	N/A	N/A	South	N/A	-96.68875	65.41692	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-07-30	Yes	Caribou	2	Walking	E	N/A	N/A	East	N/A	-96.66921	65.41191	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-02	Yes	Muskox	26	Feeding	N/A	1500	N/A	West	No	-96.70527	65.40389	N/A	N/A	No	Exceeded!!	The group is far away from the mine site and no indication leads to think they would come towards the site. Will notify environment personnel to be on the lookout for the group in the upcoming days.
Mine & Pit	2025-08-02	Yes	Caribou	4	Foraging	SW	50	N/A	West	No	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-02	Yes	Caribou	1	Foraging	NW	500	N/A	West	N/A	-96.69730	65.40372	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-03	Yes	Wolf	1	Trotting/running	E	N/A	N/A	East	N/A	-96.68875	65.41692	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-03	Yes	Caribou	3	Resting	Not Recorded	N/A	N/A	West	N/A	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-03	Yes	Caribou	1	Walking	W	N/A	N/A	East	N/A	-96.66921	65.41191	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-03	Yes	Caribou	1	Walking	S	N/A	N/A	South	N/A	-96.73691	65.39922	N/A	N/A	No	Not Exceeded	N/A
Incidental	2025-08-03	Yes	Caribou	2	Resting	N/A	N/A	N/A	South	N/A	-96.69730	65.40372	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-08	Yes	Arctic fox	1	Trotting/running	E	0	N/A	West	Yes	-96.67311	65.40088	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-10	Yes	Arctic fox	1	Trotting/running	S	0	N/A	South	Yes	-96.68938	65.40226	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-10	Yes	Caribou	1	Foraging	N/A	100	N/A	North	No	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-10	Yes	Sandhill crane	2	Foraging	N/A	100	N/A	North	No	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-10	Yes	Muskox	2	Foraging	N/A	600	N/A	West	No	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-10	Yes	Caribou	1	Foraging	N/A	200	N/A	South	No	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-10	Yes	Wolf	1	Alert	N/A	25	N/A	North	No	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-10	Yes	Caribou	1	Foraging	N/A	100	N/A	South	No	-96.69730	65.40372	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-14	Yes	Arctic fox	1	Standing	E	0	N/A	East	Yes	-96.67915	65.40624	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-14	Yes	Arctic fox	1	Walking	SW	0	N/A	North	Yes	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-16	Yes	Muskox	26	Lying Down	N/A	500	N/A	West	No	-96.69730	65.40372	N/A	N/A	No	Exceeded!!	Group further than 500m
Mine & Pit	2025-08-16	Yes	Caribou	1	Walking	N	0	N/A	South	Yes	-96.68875	65.41692	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-16	Yes	Caribou	1	Walking	N	20	N/A	East	No	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-24	Yes	Caribou	1	Walking	NE	10	N/A	West	No	-96.66921	65.41191	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-08-30	Yes	Caribou	2	Lying Down	N/A	80	N/A	South	No	-96.69730	65.40372	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-09-06	Yes	Canada goose	24	Flying	N/A	0	N/A	East	Yes	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-09-06	Yes	Caribou	2	Foraging	N/A	100	N/A	West	No	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-09-06	Yes	Caribou	1	Foraging	N/A	50	N/A	West	N/A	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-09-06	Yes	Caribou	1	Walking	N/A	0	N/A	North,East	N/A	-96.69730	65.40372	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-09-13	Yes	Caribou	3	Walking	N/A	N/A	N/A	N/A	N/A	-96.70230	65.40391	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-09-20	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-09-27	Yes	Ptarmigan	16	Resting	N/A	5	N/A	North	No	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-09-27	Yes	Arctic hare	1	Alert	N/A	5	N/A	North	No	-96.73344	65.39528	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-10-04	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-18	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-10-25	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-01	Yes	Common raven	1	Flying	N/A	0	N/A	East	Yes	-96.70527	65.40389	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-03	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-07	Yes	Arctic fox	3	Alert	N/A	100	N/A	North	No	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-08	Yes	Arctic fox	1	Walking	N	30	N/A	West	No	-96.67316	65.40620	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-09	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-10	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Incidental	2025-11-14	Yes	Arctic fox	1	Dead	N/A	N/A	N/A	West	N/A	-96.72792	65.40934	N/A	Project related	No	Not Exceeded	N/A
Mine & Pit	2025-11-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-18	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-19	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-20	Yes	Arctic fox	1	Trotting/running	N	0	N/A	North	Yes	-96.67915	65.40624	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-21	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A-4: Wildlife Observations at Whale Tail Mine in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Mine & Pit	2025-11-22	Yes	Arctic fox	1	Foraging	N/A	0	N/A	South	No	-96.67915	65.40624	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-23	Yes	Arctic fox	1	Trotting/running	N	0	N/A	North	No	-96.68875	65.41692	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-23	Yes	Arctic fox	1	Trotting/running	W	0	N/A	South	No	-96.68632	65.40507	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-11-24	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-27	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-29	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-11-30	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-01	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-02	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-03	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-04	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-05	Yes	Arctic fox	2	Running	E	0	N/A	West	Yes	-96.72792	65.40934	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-06	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-07	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-08	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-09	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-10	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-11	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-12	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-13	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-14	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-15	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-16	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-17	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-18	Yes	Muskox	3	Foraging	N/A	2000	N/A	North	No	-96.68875	65.41692	N/A	N/A	No	Not Exceeded	N/A
Mine & Pit	2025-12-20	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mine & Pit	2025-12-27	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-01 16:26	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-04 15:45	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-09 16:27	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-13 15:51	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-14 15:09	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-15 16:33	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-16 15:10	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-18 15:35	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-20 17:23	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-22 15:54	Wildlife observed	Muskox	24	Resting	N/A	N/A	N/A	N/A	N/A	-96.70901	65.41272	N/A	N/A	N/A	Exceeded	Group further than 1 km
Pre-Blast	2025-01-23 15:35	Wildlife observed	Muskox	27	Resting	N/A	N/A	N/A	N/A	N/A	-96.71792	65.41248	N/A	N/A	N/A	Exceeded	Group further than 1 km
Pre-Blast	2025-01-25 16:27	Wildlife observed	Muskox	24	Resting	N/A	N/A	N/A	N/A	N/A	-96.71763	65.41254	N/A	N/A	N/A	Exceeded	Group further than 1 km
Pre-Blast	2025-01-26 16:03	Wildlife observed	Muskox	21	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.66661	65.40179	N/A	N/A	N/A	Exceeded	Group further than 1 km
Pre-Blast	2025-01-28 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-01-29 15:21	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-01 15:51	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-02 16:20	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-08 16:59	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-09 15:57	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-10 15:23	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-13 16:45	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-15 16:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-16 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-18 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-20 16:46	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-21 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-22 17:20	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-23 16:45	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-02-24 16:44	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-01 16:16	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-02 15:45	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-03 15:44	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-06 15:35	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-08 16:24	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-09 15:04	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-10 15:35	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-14 17:03	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-16 16:45	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-21 16:35	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-22 16:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-24 16:46	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-03-25 16:50	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-02 7:41	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-02 16:14	Wildlife observed	Arctic fox	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.66863	65.40223	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-04-03 16:54	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-04 17:06	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-07 17:21	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-08 16:08	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A-4: Wildlife Observations at Whale Tail Mine in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Pre-Blast	2025-04-10 15:50	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-15 16:36	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-23 17:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-28 15:15	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-30 15:10	Wildlife observed	Caribou	111	Foraging	N/A	N/A	N/A	N/A	N/A	-96.68396	65.40393	N/A	N/A	N/A	Exceeded	Blast Cancelled
Pre-Blast	2025-05-01 15:05	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-03 15:08	Wildlife observed	Caribou	64	Walking	Parallel to road	N/A	N/A	N/A	N/A	-96.76448	65.37944	N/A	N/A	N/A	Exceeded	Blast Cancelled
Pre-Blast	2025-05-03 15:08	Wildlife observed	Caribou	27	Foraging	Parallel to road	N/A	N/A	N/A	N/A	-96.76448	65.37944	N/A	N/A	N/A	Not Exceeded	Blast Cancelled
Pre-Blast	2025-05-04 16:38	Wildlife observed	Caribou	10	Alert	N/A	N/A	N/A	N/A	N/A	-96.61389	65.39490	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-05-04 16:38	Wildlife observed	Caribou	23	Walking	N/A	N/A	N/A	N/A	N/A	-96.61389	65.39490	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-05-07 13:56	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-11 16:04	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-12 15:52	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-13 15:46	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-15 16:25	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-14 16:38	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-16 17:10	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-18 14:45	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-19 16:15	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-21 14:45	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-22 14:35	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-25 14:25	Wildlife observed	Caribou	6	Foraging	N/A	N/A	N/A	N/A	N/A	-96.66663	65.40175	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-05-24 13:49	Wildlife observed	Caribou	25	Walking	N/A	N/A	N/A	N/A	N/A	-96.62291	65.40158	N/A	N/A	N/A	Not Exceeded	Blast Cancelled
Pre-Blast	2025-05-24 13:49	Wildlife observed	Caribou	132	Walking	N/A	N/A	N/A	N/A	N/A	-96.62291	65.40158	N/A	N/A	N/A	Exceeded	Blast Cancelled
Pre-Blast	2025-05-23 15:32	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-26 13:13	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-28 22:05	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-29 16:40	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-05-30 16:44	Wildlife observed	Caribou	9	Walking	N/A	N/A	N/A	N/A	N/A	-96.71273	65.40295	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-02 17:57	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-01 15:50	Wildlife observed	Caribou	10	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.67566	65.40000	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-03 17:01	Wildlife observed	Caribou	3	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.68335	65.41558	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-03 17:01	Wildlife observed	Muskox	1	Standing	N/A	N/A	N/A	N/A	N/A	-96.68335	65.41558	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-04 15:27	Wildlife observed	Muskox	5	Feeding	N/A	N/A	N/A	N/A	N/A	-96.73328	65.39566	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-04 15:27	Wildlife observed	Caribou	19	Feeding	N/A	N/A	N/A	N/A	N/A	-96.73328	65.39566	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-04 15:27	Wildlife observed	Arctic hare	1	Alert	N/A	N/A	N/A	N/A	N/A	-96.73328	65.39566	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-04 15:27	Wildlife observed	Muskox	2	Feeding	N/A	N/A	N/A	N/A	N/A	-96.73328	65.39566	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-07 16:54	Wildlife observed	Muskox	3	Feeding	N/A	N/A	N/A	N/A	N/A	-96.72801	65.40557	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-07 16:54	Wildlife observed	Caribou	8	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.72801	65.40557	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-09 16:48	Wildlife observed	Muskox	2	Not recorded	N/A	N/A	N/A	N/A	N/A	-96.68620	65.41438	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-10 15:29	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-11 16:26	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-13 16:46	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-14 16:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-15 14:42	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-19 17:53	Wildlife observed	Muskox	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.72034	65.39935	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-20 15:00	Wildlife observed	Muskox	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.66786	65.40056	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-24 16:56	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-25 15:41	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-26 16:04	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-28 17:16	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-28 17:22	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-27 17:24	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-06-29 17:15	Wildlife observed	Caribou	2	Feeding	N/A	N/A	N/A	N/A	N/A	-96.68020	65.40227	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-06-30 17:33	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-07-01 16:33	Wildlife observed	Caribou	3	Feeding	N/A	N/A	N/A	N/A	N/A	-96.71910	65.40337	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-02 16:11	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A-4: Wildlife Observations at Whale Tail Mine in 2025

	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Pre-Blast	2025-07-04 16:49	Wildlife observed	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.46480	65.23170	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-04 16:49	Wildlife observed	Muskox	2	Feeding	N/A	N/A	N/A	N/A	N/A	-96.46480	65.23170	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-06 16:45	Wildlife observed	Caribou	1	Feeding	N/A	N/A	N/A	N/A	N/A	-96.66663	65.40157	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-05 16:43	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-07-09 16:46	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-07-11 17:22	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-07-13 16:29	Wildlife observed	Muskox	4	Foraging	N/A	N/A	N/A	N/A	N/A	-96.72419	65.40519	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-16 16:49	Wildlife observed	Caribou	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.66660	65.40156	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-18 16:41	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-07-19 17:05	Wildlife observed	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.67726	65.39670	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-21 16:43	Wildlife observed	Muskox	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.68509	65.40148	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-20 16:41	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-07-22 17:44	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-07-26 16:40	Wildlife observed	Canada goose	7	Feeding	N/A	N/A	N/A	N/A	N/A	-96.73401	65.39549	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-28 17:07	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-07-30 16:43	Wildlife observed	Caribou	2	Walking	N/A	N/A	N/A	N/A	N/A	-96.66657	65.40157	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-31 16:31	Wildlife observed	Caribou	1	Feeding	N/A	N/A	N/A	N/A	N/A	-96.66638	65.40161	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-31 16:31	Wildlife observed	Canada goose	13	Resting	N/A	N/A	N/A	N/A	N/A	-96.66638	65.40161	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-07-31 16:31	Wildlife observed	Caribou	2	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.66638	65.40161	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-02 16:50	Wildlife observed	Muskox	26	Feeding	N/A	N/A	N/A	N/A	N/A	-96.67388	65.37036	N/A	N/A	N/A	Exceeded	Group further than 1 km
Pre-Blast	2025-08-02 16:50	Wildlife observed	Caribou	4	Foraging	N/A	N/A	N/A	N/A	N/A	-96.67388	65.37036	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-02 16:50	Wildlife observed	Caribou	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.67388	65.37036	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-05 17:00	Wildlife observed	Caribou	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.66630	65.40290	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-07 16:35	Wildlife observed	Caribou	2	Foraging	N/A	N/A	N/A	N/A	N/A	-96.66858	65.40241	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-07 16:35	Wildlife observed	Caribou	2	Foraging	N/A	N/A	N/A	N/A	N/A	-96.66858	65.40241	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-13 16:30	Wildlife observed	Caribou	1	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.69437	65.41118	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-14 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-08-15 16:30	Wildlife observed	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.69894	65.40449	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-15 16:30	Wildlife observed	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.69894	65.40449	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-23 16:40	Wildlife observed	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.66655	65.40160	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-23 16:40	Wildlife observed	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.66655	65.40160	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-25 16:38	Wildlife observed	Caribou	1	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.66657	65.40173	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-25 16:38	Wildlife observed	Snow goose	80	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.66657	65.40173	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-28 15:58	Wildlife observed	Caribou	2	Foraging	N/A	N/A	N/A	N/A	N/A	-96.67139	65.40135	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-28 15:58	Wildlife observed	Caribou	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.67139	65.40135	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-28 15:58	Wildlife observed	Caribou	2	Foraging	N/A	N/A	N/A	N/A	N/A	-96.67139	65.40135	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-29 16:50	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-08-26 16:46	Wildlife observed	Caribou	1	Standing	N/A	N/A	N/A	N/A	N/A	-96.65980	65.39705	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-26 16:46	Wildlife observed	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.65980	65.39705	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-30 15:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-08-31 17:29	Wildlife observed	Caribou	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.66655	65.40160	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-09-01 16:47	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-04 16:27	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-05 16:36	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-08-19 16:12	Wildlife observed	Caribou	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.73168	65.41348	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-08-04 17:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-08-17 15:59	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A-4: Wildlife Observations at Whale Tail Mine in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Pre-Blast	2025-09-06 16:06	Wildlife observed	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.71349	65.39949	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-09-06 16:06	Wildlife observed	Caribou	1	Walking	N/A	N/A	N/A	N/A	N/A	-96.71349	65.39949	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-09-06 16:06	Wildlife observed	Caribou	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.71349	65.39949	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-09-07 15:59	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-12 16:24	Wildlife observed	Caribou	1	Foraging	N/A	N/A	N/A	N/A	N/A	-96.69807	65.41196	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-09-12 16:24	Wildlife observed	Caribou	4	Foraging	N/A	N/A	N/A	N/A	N/A	-96.69807	65.41196	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-09-13 16:19	Wildlife observed	Caribou	3	Walking	N/A	N/A	N/A	N/A	N/A	-96.71475	65.39954	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-09-18 15:28	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-17 16:30	Wildlife observed	Caribou	1	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.69300	65.41197	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-09-16 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-20 17:27	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-23 16:29	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-24 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-25 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-27 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-28 17:11	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-09-29 16:37	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-02 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-03 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-04-27 16:00	Wildlife observed	Caribou	150	Walking	N/A	N/A	N/A	N/A	N/A	-96.64091	65.40531	N/A	N/A	N/A	Exceeded	Blast cancelled
Pre-Blast	2025-04-30 16:00	Wildlife observed	Caribou	175	Walking	N/A	N/A	N/A	N/A	N/A	-96.63148	65.40370	N/A	N/A	N/A	Exceeded	Blast cancelled
Pre-Blast	2025-10-05 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-06 16:15	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-07 16:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-09 17:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-11 16:15	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-13 16:15	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-15 16:15	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-20 17:45	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-21 17:48	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-22 15:55	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-24 16:38	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-25 16:20	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-27 16:10	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-26 16:05	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-28 16:04	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-29 15:55	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-10-31 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-01 16:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-02 15:52	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-04 15:31	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-07 15:18	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-08 16:29	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-09 15:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-10 14:08	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-12 14:28	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-14 14:31	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-15 15:46	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-16 16:42	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-18 16:23	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-19 14:53	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-20 15:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-21 15:15	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-22 15:15	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-26 15:01	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-27 16:28	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-28 16:10	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-11-30 15:50	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-01 14:30	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-03 14:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-05 13:06	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-08 15:11	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-09 15:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-10 15:15	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-11 14:00	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-12 15:44	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-13 14:41	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-14 15:11	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-15 15:50	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-16 13:57	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-17 14:45	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table A-4: Wildlife Observations at Whale Tail Mine in 2025

Survey Type	Date	Wildlife Observations	Species	Number	Behaviour	Travel Direction	Distance	KM Marker	Side of the Road	Crossing	x coord	y coord	Deterrence	Project Related Mortality	Tolerance	Group Threshold	Mitigation
Pre-Blast	2025-12-18 14:57	Wildlife observed	Muskox	3	Foraging	N/A	N/A	N/A	N/A	N/A	-96.66834	65.40185	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-12-25 14:35	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-26 14:52	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pre-Blast	2025-12-27 13:45	Wildlife observed	Caribou	23	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.69291	65.41212	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-12-27 13:45	Wildlife observed	Caribou	11	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.69291	65.41212	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-12-28 14:47	Wildlife observed	Caribou	17	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.69251	65.41177	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-12-29 15:13	Wildlife observed	Caribou	8	Foraging	N/A	N/A	N/A	N/A	N/A	-96.66650	65.40160	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-12-29 15:13	Wildlife observed	Caribou	3	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.66650	65.40160	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-12-30 14:58	Wildlife observed	Caribou	12	Lying Down	N/A	N/A	N/A	N/A	N/A	-96.71806	65.40349	N/A	N/A	N/A	Not Exceeded	N/A
Pre-Blast	2025-12-30 14:58	Wildlife observed	Caribou	2	Foraging	N/A	N/A	N/A	N/A	N/A	-96.71806	65.40349	N/A	N/A	N/A	Not Exceeded	N/A

APPENDIX B

Road Restrictions

Table B-1: Summary of road restrictions (Closed - 24 hours, Closed – less than 24 hours, Speed Restrictions, and Traffic Restrictions) along the All-Weather Access Road, 2025

Date	Closure Status	Closure Hours/(Restriction	Cause for Closure / Restriction	Wildlife Observed	Number of Individuals Observed	Distance from Road	Monitoring Method	Monitoring Conducted		Reason for Re-Opening	Consultation for Re-Opening
								Road Surveys	Collaring Data Reviewed		
2025-01-01	Closed (< 24 hour)	23.4	Weather	NA	NA	NA	NA	0	N	NA	NA
2025-01-02	Closed (< 24 hour)	5.6	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-03	Open	NA	NA	muskox	11	700	Survey	1	Y	NA	NA
2025-01-04	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-05	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-06	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-07	Closed (< 24 hour)	0.9	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-08	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-09	Closed (< 24 hour)	16.7 /(7.3)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-10	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-11	Closed	24	Weather	NA	NA	NA	NA	1	Y	NA	NA
2025-01-12	Closed (< 24 hour)	5.1 /(3.5)	Weather	NA	NA	NA	NA	1	Y	Weather improved	NA
2025-01-13	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-14	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-15	Speed Restriction	NA	Wildlife	muskox	9	200	Survey	1	Y	NA	NA
2025-01-16	Closed (< 24 hour)	6.9 /(1.2)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-17	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-18	Closed (< 24 hour)	7.2 /(16.8)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-19	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-20	Closed (< 24 hour)	11.8	Weather	muskox	8	600	Survey	1	Y	Weather improved	NA
2025-01-21	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-22	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-23	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-24	Closed (< 24 hour)	19.1 /(0.9)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-25	Closed (< 24 hour)	12.1	Weather	caribou	9	650	Survey	1	Y	Weather improved	NA
2025-01-26	Restricted Access	(3.2)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-27	Restricted Access	(7.8)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-28	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-29	Closed (< 24 hour)	7.3	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-30	Closed (< 24 hour)	11.7	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-01-31	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-01	Closed (< 24 hour)	15.1	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-02-02	Closed (< 24 hour)	19.8 /(4.2)	Weather	caribou + muskox	4 + 95	400 + 400	Survey + Survey	1	Y	Weather improved	NA
2025-02-03	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-02-04	Closed (< 24 hour)	18.3 /(0.8)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-02-05	Closed (< 24 hour)	4.1	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-02-06	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-07	Speed Restriction	NA	Wildlife	caribou + muskox	11 + 41	800 + 5	Survey + Survey	1	Y	NA	NA
2025-02-08	Speed Restriction	NA	Wildlife	NA	NA	NA	NA	0	Y	NA	NA
2025-02-09	Speed Restriction	NA	Wildlife	NA	NA	NA	NA	0	Y	NA	NA
2025-02-10	Speed Restriction	NA	Wildlife	NA	NA	NA	NA	0	Y	NA	NA
2025-02-11	Speed Restriction	NA	Wildlife	caribou + muskox	4 + 9	500 + 500	Incidental + Survey	1	Y	NA	NA
2025-02-12	Closed (< 24 hour)	0.9	Other	NA	NA	NA	NA	0	Y	NA	NA
2025-02-13	Closed (< 24 hour)	13.4 /(3.8)	Other / Weather	NA	NA	NA	NA	0	Y	Radio Issue Fixed	NA
2025-02-14	Closed (< 24 hour)	10.7 /(2.9)	Weather	muskox	10	300	Survey	1	Y	Weather Improved	NA
2025-02-15	Open	NA	NA	muskox	9	450	Survey	1	Y	NA	NA
2025-02-16	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-17	Restricted Access	(16.6)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-02-18	Restricted Access	(11.4)	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-02-19	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-02-20	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-21	Speed Restriction	NA	Wildlife	caribou + muskox	13 + 17	600 + 1500	Incidental + Survey	1	Y	NA	NA
2025-02-22	Restricted Access	(3)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-02-23	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-24	Restricted Access	(12.5)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-02-25	Restricted Access	(24)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-02-26	Restricted Access	(24)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-02-27	Restricted Access	(24)	Weather	NA	NA	NA	NA	1	Y	NA	NA
2025-02-28	Closed (< 24 hour)	14.9 /(9.1)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-03-01	Closed (< 24 hour)	9.8 /(1.6)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-03-02	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-03	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-04	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-05	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-06	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-07	Open	NA	NA	caribou + muskox	14 + 1	800 + 50	Survey + Survey	1	Y	NA	NA
2025-03-08	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-09	Closed (< 24 hour)	20.4	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-03-10	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-03-11	Closed (< 24 hour)	10.7 /(13.3)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-03-12	Restricted Access	(4)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-03-13	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-14	Closed (< 24 hour)	16 /(7.7)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-03-15	Closed (< 24 hour)	11.7	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-03-16	Closed (< 24 hour)	12.2 /(3.8)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-03-17	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-03-18	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-03-19	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-03-20	Closed (< 24 hour)	12.9	Weather	muskox	3	150	Survey	1	Y	Weather improved	NA

Table B-1: Summary of road restrictions (Closed - 24 hours, Closed – less than 24 hours, Speed Restrictions, and Traffic Restrictions) along the All-Weather Access Road, 2025

Date	Closure Status	Closure Hours/(Restriction	Cause for Closure / Restriction	Wildlife Observed	Number of Individuals Observed	Distance from Road	Monitoring Method	Monitoring Conducted		Reason for Re-Opening	Consultation for Re-Opening
								Road Surveys	Collaring Data Reviewed		
2025-03-21	Speed Restriction	NA	Wildlife	caribou + muskox	13 + 18	1500 + 1500	Incidental + Survey	1	Y	NA	NA
2025-03-22	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-23	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-24	Open	NA	NA	caribou	4	2500	Incidental	0	Y	NA	NA
2025-03-25	Open	NA	NA	caribou + muskox	13 + 19	2000 + 1500	Incidental + Survey	1	Y	NA	NA
2025-03-26	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-27	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-28	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-29	Speed Restriction	NA	Wildlife	muskox	20	400	Incidental	0	Y	NA	NA
2025-03-30	Speed Restriction	NA	Wildlife	muskox	20	300	Survey	1	Y	NA	NA
2025-03-31	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-04-01	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-04-02	Closed (< 24 hour)	13.6	Wildlife	caribou	78	80	Survey	1	Y	NA	Road Closed
2025-04-03	Closed (< 24 hour)	17.1	Wildlife	caribou	20	800	Survey	1	Y	No more groups above GST	HTO discussion on the field
2025-04-04	Open	NA	NA	caribou + muskox	23 + 57	200 + 2000	Survey + Survey	2	Y	NA	NA
2025-04-05	Open	NA	NA	muskox	32	2500	Incidental	1	Y	NA	NA
2025-04-06	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-04-07	Closed (< 24 hour)	11	Wildlife	caribou + muskox	48 + 9	200 + 100	Incidental + Survey	1	Y	NA	Road Closed
2025-04-08	Closed	24	Wildlife	caribou	142	50	Survey	1	Y	NA	Road Closed
2025-04-09	Closed	24	Wildlife	caribou + muskox	210 + 11	1000 + 50	Incidental + Survey	1	Y	NA	Road Closed
2025-04-10	Closed	24	Wildlife	caribou + muskox	142 + 8	1200 + 150	Survey + Survey	1	Y	NA	Road Closed
2025-04-11	Closed	24	Wildlife	caribou + muskox	28 + 9	1500 + 50	Incidental + Survey	1	Y	NA	Road Closed
2025-04-12	Closed	24	Wildlife/Maintenacne	caribou	25	1500	Incidental	1	Y	NA	Road Closed
2025-04-13	Closed (< 24 hour)	1.7	Wildlife/Maintenacne	caribou + muskox	29 + 28	200 + 1500	Survey + Incidental	1	Y	No more groups above GST, Road condition improved	Daily TAG call, HTO, KivIA discussion on the field
2025-04-14	Open	NA	NA	caribou	2	1000	Incidental	1	Y	NA	NA
2025-04-15	Closed (< 24 hour)	11.4	Wildlife	caribou + muskox	37 + 17	NA + 30	HTO + Survey	1	Y	NA	Road Closed
2025-04-16	Closed (< 24 hour)	9.2	Wildlife	muskox	9	50	Survey	1	Y	No more groups above GST	Daily TAG call, HTO, KivIA discussion on the field
2025-04-17	Closed (< 24 hour)	5.1	Wildlife	caribou	300	650	Incidental	1	Y	NA	Road Closed
2025-04-18	Closed	24	Wildlife	caribou + muskox	283 + 16	650 + 500	Survey + Incidental	1	Y	NA	Road Closed
2025-04-19	Closed	24	Weather	NA	NA	NA	NA	1	Y	NA	Road Closed
2025-04-20	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	Road Closed
2025-04-21	Closed	24	Wildlife	caribou	154	600	Survey	1	Y	NA	Road Closed
2025-04-22	Closed	24	Wildlife	caribou	2000	500	HTO	1	Y	NA	Road Closed
2025-04-23	Closed	24	Wildlife	caribou	2000	NA	HTO	1	Y	NA	Road Closed
2025-04-24	Closed	24	Wildlife	caribou + muskox	650 + 15	500 + 750	Survey + Survey	1	Y	NA	Road Closed
2025-04-25	Closed	24	Wildlife	caribou + muskox	90 + 27	1500 + 500	Survey + Survey	1	Y	NA	Road Closed
2025-04-26	Closed	24	Wildlife	caribou	22	700	Survey	1	Y	NA	Road Closed
2025-04-27	Closed	24	Wildlife	caribou	68	300	Survey	1	Y	NA	Road Closed
2025-04-28	Closed	24	Wildlife	caribou + muskox	482 + 48	5 + 2000	Incidental + Incidental	1	Y	NA	Road Closed
2025-04-29	Closed	24	Wildlife	caribou	879	0	Incidental	1	Y	NA	Road Closed
2025-04-30	Closed	24	Weather	caribou	94	900	Incidental	0	Y	NA	Road Closed
2025-05-01	Closed	24	Wildlife	caribou + muskox	378 + 50	700 + 2500	Incidental + Survey	1	Y	NA	Road Closed
2025-05-02	Closed	24	Wildlife	caribou + muskox	189 + 58	2000 + 1800	Incidental + Survey	1	Y	NA	Road Closed
2025-05-03	Closed	24	Wildlife	caribou + muskox	671 + 48	400 + 1200	Incidental + Incidental	1	Y	NA	Road Closed
2025-05-04	Closed	24	Wildlife	caribou + muskox	850 + 14	0 + 300	Incidental + Survey	1	Y	NA	Road Closed
2025-05-05	Closed	24	Wildlife	caribou + muskox	236 + 13	0 + 500	Survey + Survey	1	Y	NA	Road Closed
2025-05-06	Closed	24	Wildlife	caribou + muskox	5 + 4	50 + 25	Survey + Incidental	1	Y	NA	Road Closed
2025-05-07	Closed	24	Wildlife	caribou + muskox	41 + 50	1500 + 2500	Incidental + Incidental	1	Y	NA	Road Closed
2025-05-08	Closed	24	Weather	caribou + muskox	6 + 11	1200 + 2000	Survey + Survey	1	Y	NA	Road Closed
2025-05-09	Closed (< 24 hour)	5 /(19)	Weather	caribou	8	750	Survey	1	Y	No more groups above GST, Weather Improved	Daily TAG call in previous days, HTO, KivIA discussion on the field
2025-05-10	Restricted Access	(5.2)	Wildlife	muskox	16	200	Survey	1	Y	No more groups above GST	NA
2025-05-11	Closed (< 24 hour)	14.7	Wildlife	caribou + muskox	108 + 16	1000 + 150	Survey + Survey	1	Y	NA	Road Closed
2025-05-12	Closed	24	Weather	caribou + muskox	35 + 10	500 + 800	Survey + Survey	1	Y	NA	Road Closed
2025-05-13	Closed (< 24 hour)	6.6	Weather	caribou	13	2000	Survey	1	Y	No more groups above GST, Weather Improved	Daily TAG call in previous days
2025-05-14	Closed (< 24 hour)	11.8	Wildlife	caribou + muskox	40 + 11	1000 + 500	Incidental + Incidental	1	Y	NA	Road Closed
2025-05-15	Closed	24	Wildlife	caribou + muskox	47 + 12	800 + 300	Survey + Survey	1	Y	NA	Road Closed
2025-05-16	Closed (< 24 hour)	15.8	Wildlife	caribou + muskox	40 + 20	750 + 100	Incidental + Survey	1	Y	No more groups above GST	Daily TAG call, HTO discussion on the field
2025-05-17	Closed (< 24 hour)	2	Wildlife	caribou + muskox	44 + 20	500 + 750	Survey + Survey	1	Y	No more groups above GST	Temporary road closure, HTO field discussion
2025-05-18	Closed (< 24 hour)	17.1	Wildlife	caribou	122	500	Incidental	1	Y	NA	Road Closed
2025-05-19	Closed (< 24 hour)	17.8	Wildlife	caribou + muskox	67 + 31	600 + 500	Survey + Survey	1	Y	No more groups above GST	Daily TAG call in previous days
2025-05-20	Closed (< 24 hour)	14	Wildlife	caribou	94	300	Incidental	1	Y	NA	Road Closed
2025-05-21	Closed (< 24 hour)	16.4	Wildlife	caribou + muskox	46 + 3	1000 + 200	Survey + Survey	1	Y	No more groups above GST	Daily TAG call, KivIA discussion on the field
2025-05-22	Closed (< 24 hour)	20.5	Wildlife	caribou	54	500	Survey	1	Y	NA	Road Closed
2025-05-23	Closed	24	Wildlife	caribou	89	NA	HTO	1	Y	NA	Road Closed
2025-05-24	Closed (< 24 hour)	16.2	Wildlife	caribou	29	400	Survey	1	Y	No more groups above GST	Daily TAG call in previous days
2025-05-25	Speed Restriction	NA	Wildlife	caribou + muskox	22 + 22	400 + 50	Survey + Incidental	1	Y	NA	NA
2025-05-26	Open	NA	NA	caribou	18	600	Incidental	1	Y	NA	NA
2025-05-27	Restricted Access	(12.8)	Wildlife	caribou + muskox	63 + 5	300 + 400	Survey + Survey	1	Y	NA	NA
2025-05-28	Restricted Access	(17.6)	Wildlife	caribou + muskox	98 + 15	900 + 2500	Incidental + Survey	1	Y	No more groups above GST	NA
2025-05-29	Open	NA	NA	caribou + muskox	17 + 4	600 + 100	Incidental + Survey	1	Y	NA	NA
2025-05-30	Restricted Access	(15.5)	Wildlife	caribou	53	300	Incidental	1	Y	NA	NA
2025-05-31	Closed (< 24 hour)	14.6 /(2.6)	Weather	caribou	19	800	Survey	1	Y	No more groups above GST, Weather Improved	NA
2025-06-01	Restricted Access	(8.4)	Wildlife	caribou + muskox	31 + 2	1000 + 150	Survey + Incidental	1	Y	No more groups above GST	NA
2025-06-02	Open	NA	NA	caribou + muskox	20 + 4	700 + 200	Survey + Incidental	1	Y	NA	NA
2025-06-03	Open	NA	NA	caribou + muskox	10 + 1	1200 + 30	Incidental + Incidental	1	Y	NA	NA

Table B-1: Summary of road restrictions (Closed - 24 hours, Closed – less than 24 hours, Speed Restrictions, and Traffic Restrictions) along the All-Weather Access Road, 2025

Date	Closure Status	Closure Hours/(Restriction	Cause for Closure / Restriction	Wildlife Observed	Number of Individuals Observed	Distance from Road	Monitoring Method	Monitoring Conducted		Reason for Re-Opening	Consultation for Re-Opening
								Road Surveys	Collaring Data Reviewed		
2025-06-04	Open	NA	NA	caribou + muskox	19 + 10	800 + 200	Incidental + Survey	1	Y	NA	NA
2025-06-05	Open	NA	NA	caribou	10	150	Incidental	1	Y	NA	NA
2025-06-06	Open	NA	NA	caribou	16	600	Survey	1	Y	NA	NA
2025-06-07	Open	NA	NA	caribou	18	100	Survey	1	Y	NA	NA
2025-06-08	Open	NA	NA	caribou + muskox	2 + 1	500 + 30	Incidental + Incidental	0	Y	NA	NA
2025-06-09	Open	NA	NA	caribou + muskox	7 + 2	1200 + 40	Survey + Survey	1	Y	NA	NA
2025-06-10	Speed Restriction	NA	Wildlife	caribou + muskox	16 + 21	300 + 200	Survey + Survey	1	Y	NA	NA
2025-06-11	Open	NA	NA	caribou + muskox	15 + 2	100 + 250	Incidental + Incidental	0	Y	NA	NA
2025-06-12	Speed Restriction	NA	Wildlife	caribou + muskox	10 + 2	1000 + 500	Incidental + Incidental	0	Y	NA	NA
2025-06-13	Open	NA	NA	NA	NA	NA	NA	0	N	NA	NA
2025-06-14	Open	NA	NA	caribou + muskox	6 + 1	200 + 15	Incidental + Incidental	0	Y	NA	NA
2025-06-15	Open	NA	NA	NA	NA	NA	NA	0	N	NA	NA
2025-06-16	Open	NA	NA	caribou	7	300	Survey	1	Y	NA	NA
2025-06-17	Speed Restriction	NA	Wildlife	caribou + muskox	4 + 26	4 + 500	Incidental + Incidental	1	Y	NA	NA
2025-06-18	Open	NA	NA	caribou + muskox	10 + 22	200 + 500	Survey + Incidental	1	Y	NA	NA
2025-06-19	Open	NA	NA	caribou + muskox	6 + 4	150 + 400	Incidental + Survey	1	Y	NA	NA
2025-06-20	Open	NA	NA	muskox	2	50	Survey	1	Y	NA	NA
2025-06-21	Speed Restriction	NA	Wildlife	caribou + muskox	13 + 3	150 + 300	Incidental + Survey	1	N	NA	NA
2025-06-22	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-23	Speed Restriction	NA	Wildlife	caribou + muskox	18 + 4	1500 + 100	Survey + Incidental	1	Y	NA	NA
2025-06-24	Speed Restriction	NA	Wildlife	caribou + muskox	5 + 3	50 + 20	Incidental + Survey	1	Y	NA	NA
2025-06-25	Speed Restriction	NA	Wildlife	caribou + muskox	8 + 2	100 + 75	Survey + Survey	2	Y	NA	NA
2025-06-26	Speed Restriction	NA	Wildlife	caribou + muskox	12 + 11	300 + 75	Survey + Survey	1	Y	NA	NA
2025-06-27	Speed Restriction	NA	Wildlife	caribou + muskox	2 + 10	150 + 75	Incidental + Incidental	0	Y	NA	NA
2025-06-28	Speed Restriction	NA	Wildlife	muskox	8	200	Survey	2	Y	NA	NA
2025-06-29	Speed Restriction	NA	Wildlife	caribou + muskox	4 + 3	400 + 25	Survey + Survey	1	Y	NA	NA
2025-06-30	Speed Restriction	NA	Wildlife	NA	NA	NA	NA	0	Y	NA	NA
2025-07-01	Speed Restriction	NA	Wildlife	muskox	3	50	Survey	1	Y	NA	NA
2025-07-02	Speed Restriction	NA	Wildlife	muskox	11	25	Incidental	1	Y	NA	NA
2025-07-03	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-04	Speed Restriction	NA	Wildlife	muskox	2	10	Incidental	1	Y	NA	NA
2025-07-05	Speed Restriction	NA	Wildlife	muskox	3	5	Incidental	1	Y	NA	NA
2025-07-06	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-07	Speed Restriction	NA	Wildlife	muskox	14	0	Incidental	0	Y	NA	NA
2025-07-08	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-09	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-10	Speed Restriction	NA	Wildlife	muskox	3	5	Survey	1	Y	NA	NA
2025-07-11	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-12	Speed Restriction	NA	Wildlife	muskox	12	1	Incidental	1	Y	NA	NA
2025-07-13	Speed Restriction	NA	Wildlife	muskox	12	0	Survey	1	Y	NA	NA
2025-07-14	Speed Restriction	NA	Wildlife	caribou + muskox	1 + 17	3000 + 150	HTO + HTO	0	Y	NA	NA
2025-07-15	Speed Restriction	NA	Wildlife	muskox	20	1000	Survey	1	Y	NA	NA
2025-07-16	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-17	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-18	Speed Restriction	NA	Wildlife	muskox	10	0	Incidental	1	Y	NA	NA
2025-07-19	Open	NA	NA	muskox	2	250	Survey	1	Y	NA	NA
2025-07-20	Speed Restriction	NA	Wildlife	muskox	17	150	Survey	1	Y	NA	NA
2025-07-21	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-22	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-23	Restricted Access	(9.8)	Weather	muskox	21	300	HTO	0	Y	Weather improved	NA
2025-07-24	Open	NA	NA	muskox	2	100	HTO	0	Y	NA	NA
2025-07-25	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-26	Open	NA	NA	muskox	1	100	Survey	1	Y	NA	NA
2025-07-27	Speed Restriction	NA	Wildlife	muskox	17	0	Survey	1	Y	NA	NA
2025-07-28	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-29	Speed Restriction	NA	Wildlife	muskox	18	0	Incidental	1	Y	NA	NA
2025-07-30	Open	NA	NA	caribou	1	NA	HTO	0	Y	NA	NA
2025-07-31	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-01	Open	NA	NA	muskox	2	300	Incidental	2	Y	NA	NA
2025-08-02	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-03	Closed (< 24 hour)	4.3	Cyanide	NA	NA	NA	NA	0	Y	CN convoy completed	NA
2025-08-04	Closed (< 24 hour)	4	Cyanide	NA	NA	NA	NA	0	Y	CN convoy completed	NA
2025-08-05	Closed (< 24 hour)	4	Cyanide	NA	NA	NA	NA	0	Y	CN convoy completed	NA
2025-08-06	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-07	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-08	Open	NA	NA	muskox	5	500	Incidental	1	Y	NA	NA
2025-08-09	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-10	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-11	Open	NA	NA	muskox	5	100	Survey	1	Y	NA	NA
2025-08-12	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-13	Closed (< 24 hour)	8	Cyanide	NA	NA	NA	NA	0	Y	CN convoy completed	NA
2025-08-14	Closed (< 24 hour)	6	Cyanide	muskox	35	150	Survey	1	Y	CN convoy completed	NA
2025-08-15	Closed (< 24 hour)	5	Cyanide	muskox	14	500	Incidental	1	Y	CN convoy completed	NA
2025-08-16	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-17	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-18	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-19	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-20	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-21	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA

Table B-1: Summary of road restrictions (Closed - 24 hours, Closed – less than 24 hours, Speed Restrictions, and Traffic Restrictions) along the All-Weather Access Road, 2025

Date	Closure Status	Closure Hours/(Restriction	Cause for Closure / Restriction	Wildlife Observed	Number of Individuals Observed	Distance from Road	Monitoring Method	Monitoring Conducted		Reason for Re-Opening	Consultation for Re-Opening
								Road Surveys	Collaring Data Reviewed		
2025-08-22	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-23	Open	NA	NA	NA	NA	NA	NA	0	N	NA	NA
2025-08-24	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-25	Open	NA	NA	muskox	1	300	Incidental	1	Y	NA	NA
2025-08-26	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-27	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-28	Open	NA	NA	NA	NA	NA	NA	2	Y	NA	NA
2025-08-29	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-30	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-31	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-01	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-02	Speed Restriction	NA	Wildlife	caribou	2	NA	HTO	0	Y	NA	NA
2025-09-03	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-04	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-05	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-06	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-07	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-08	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-09	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-10	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-11	Open	NA	NA	caribou	2	50	HTO	0	Y	NA	NA
2025-09-12	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-13	Open	NA	NA	muskox	1	500	Survey	1	Y	NA	NA
2025-09-14	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-15	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-16	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-17	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-18	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-19	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-20	Closed (< 24 hour)	5.7	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-09-21	Closed (< 24 hour)	7.6	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-09-22	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-23	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-24	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-25	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-26	Open	NA	NA	muskox	1	10	Survey	1	Y	NA	NA
2025-09-27	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-28	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-29	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-30	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-01	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-02	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-03	Open	NA	NA	muskox	2	150	Incidental	1	Y	NA	NA
2025-10-04	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-05	Open	NA	NA	muskox	2	15	Survey	1	Y	NA	NA
2025-10-06	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-07	Open	NA	NA	caribou	1	200	Survey	1	Y	NA	NA
2025-10-08	Restricted Access	(2.6)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-10-09	Restricted Access	(7.8)	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-10-10	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-11	Closed (< 24 hour)	7	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-10-12	Closed (< 24 hour)	19.7 /(1.5)	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-10-13	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-14	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-15	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-16	Closed (< 24 hour)	16.6	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-10-17	Closed (< 24 hour)	4.1	Weather	NA	NA	NA	NA	1	Y	Weather Improved	NA
2025-10-18	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-19	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-20	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-21	Open	NA	NA	muskox	2	1500	Incidental	1	Y	NA	NA
2025-10-22	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-23	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-24	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-25	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-26	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-27	Open	NA	NA	muskox	11	300	Survey	1	Y	NA	NA
2025-10-28	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-29	Speed Restriction	NA	Wildlife	muskox	15	300	Survey	1	Y	NA	NA
2025-10-30	Open	NA	NA	muskox	16	800	Incidental	1	Y	NA	NA
2025-10-31	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-11-01	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-11-02	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-11-03	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-11-04	Closed (< 24 hour)	15.7	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-11-05	Closed (< 24 hour)	13.4	Wildlife	caribou	610	1000	Survey	1	Y	NA	Road Closed
2025-11-06	Closed	24	Wildlife	caribou	210	1000	Survey	1	Y	NA	Road Closed
2025-11-07	Closed	24	Wildlife	caribou + muskox	375 + 2	1300 + 25	Incidental + Incidental	1	Y	NA	Road Closed
2025-11-08	Closed	24	Wildlife	caribou	450	800	Incidental	1	Y	NA	Road Closed

Table B-1: Summary of road restrictions (Closed - 24 hours, Closed – less than 24 hours, Speed Restrictions, and Traffic Restrictions) along the All-Weather Access Road, 2025

Date	Closure Status	Closure Hours/(Restriction	Cause for Closure / Restriction	Wildlife Observed	Number of Individuals Observed	Distance from Road	Monitoring Method	Monitoring Conducted		Reason for Re-Opening	Consultation for Re-Opening
								Road Surveys	Collaring Data Reviewed		
2025-11-09	Closed	24	Wildlife	caribou + muskox	881 + 2	50 + 100	Survey + Survey	1	Y	NA	Road Closed
2025-11-10	Closed	24	Wildlife / Weather	caribou + muskox	13 + 2	300 + 100	Survey + Incidental	1	Y	NA	Road Closed
2025-11-11	Closed	24	Wildlife	caribou	490	200	Survey	1	Y	NA	Road Closed
2025-11-12	Closed	24	Wildlife	caribou + muskox	1020 + 11	50 + 500	Incidental + Incidental	1	Y	NA	Road Closed
2025-11-13	Closed	24	Wildlife	caribou + muskox	2583 + 38	0 + 1500	Incidental + Survey	1	Y	NA	Road Closed
2025-11-14	Closed	24	Wildlife	NA	NA	NA	NA	0	Y	NA	Road Closed
2025-11-15	Closed	24	Wildlife	caribou	181	500	Incidental	1	Y	NA	Road Closed
2025-11-16	Closed	24	Wildlife	caribou	219	50	Survey	1	Y	NA	Road Closed
2025-11-17	Closed	24	Wildlife	caribou + muskox	441 + 2	0 + 50	Survey + Survey	1	Y	NA	Road Closed
2025-11-18	Closed	24	Wildlife	caribou	487	500	Incidental	1	Y	NA	Road Closed
2025-11-19	Closed	24	Wildlife	caribou + muskox	113 + 4	200 + 800	KIA + Survey	1	Y	NA	Road Closed
2025-11-20	Closed	24	Wildlife	caribou + muskox	250 + 6	4000 + 400	Survey + Survey	1	Y	NA	Road Closed
2025-11-21	Closed (< 24 hour)	16.8 /(4.6)	Wildlife	caribou + muskox	7 + 6	50 + 50	Incidental + Survey	1	Y	No more groups above GST, Road condition improved	Daily TAG calls, HTO field discussion
2025-11-22	Open	NA	NA	caribou + muskox	122 + 11	4000 + 2500	Incidental + Incidental	1	Y	NA	NA
2025-11-23	Closed (< 24 hour)	6.8	Wildlife	caribou + muskox	267 + 11	1500 + 3000	Incidental + Survey	1	Y	No more groups over GST inside 1.5 km	Daily TAG Calls
2025-11-24	Closed (< 24 hour)	4.4	Wildlife	caribou + muskox	164 + 6	600 + 1000	Survey + Survey	1	Y	No more groups over GST inside 1.5 km	Daily TAG Calls
2025-11-25	Closed (< 24 hour)	13.4	Wildlife	caribou + muskox	500 + 5	300 + 200	Incidental + Survey	1	Y	NA	Road Closed
2025-11-26	Closed	24	Wildlife	caribou + muskox	91 + 13	1000 + 3000	KIA + Survey	1	Y	NA	Road Closed
2025-11-27	Closed (< 24 hour)	15.9	Wildlife	caribou + muskox	62 + 15	500 + 600	Survey + Survey	1	Y	No more groups over GST inside 1.5 km	Daily TAG calls, HTO field discussion
2025-11-28	Open	NA	NA	muskox	5	300	Incidental	1	Y	NA	NA
2025-11-29	Closed (< 24 hour)	4.7 /(0.9)	Weather	caribou + muskox	42 + 8	1000 + 25	Survey + Survey	1	Y	Weather Improved	NA
2025-11-30	Open	NA	NA	muskox	1	20	Incidental	1	Y	NA	NA
2025-12-01	Open	NA	NA	muskox	1	30	Survey	1	Y	NA	NA
2025-12-02	Speed Restriction	NA	Wildlife	caribou + muskox	4 + 4	500 + 100	Incidental + Incidental	1	Y	NA	NA
2025-12-03	Closed (< 24 hour)	8.1 /(1.5)	Weather	muskox	9	600	Survey	1	Y	Weather Improved	NA
2025-12-04	Closed (< 24 hour)	4.2	Wildlife	caribou + muskox	108 + 11	500 + 750	Survey + Survey	1	Y	No more groups above GST	Daily TAG Calls
2025-12-05	Open	NA	NA	muskox	10	600	Survey	1	Y	NA	NA
2025-12-06	Open	NA	NA	muskox	10	2000	Survey	1	Y	NA	NA
2025-12-07	Open	NA	NA	muskox	8	2000	Survey	1	Y	NA	NA
2025-12-08	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-12-09	Open	NA	NA	muskox	3	1500	Survey	1	Y	NA	NA
2025-12-10	Open	NA	NA	muskox	9	2000	Survey	1	Y	NA	NA
2025-12-11	Open	NA	NA	muskox	5	500	Survey	1	Y	NA	NA
2025-12-12	Open	NA	NA	muskox	6	600	Survey	1	Y	NA	NA
2025-12-13	Open	NA	NA	muskox	6	400	Survey	1	Y	NA	NA
2025-12-14	Open	NA	NA	muskox	9	400	Incidental	1	Y	NA	NA
2025-12-15	Open	NA	NA	caribou + muskox	3 + 12	400 + 1500	Incidental + Incidental	1	Y	NA	NA
2025-12-16	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-12-17	Closed (< 24 hour)	6.8 /(4.8)	Weather	NA	NA	NA	NA	1	Y	Weather Improved	NA
2025-12-18	Closed (< 24 hour)	0.8 /(6.5)	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-12-19	Open	NA	NA	caribou	6	700	Incidental	1	Y	NA	NA
2025-12-20	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-12-21	Closed (< 24 hour)	16 /(3.4)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-12-22	Closed	24	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-12-23	Closed (< 24 hour)	10.6	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-12-24	Open	NA	NA	caribou + muskox	1 + 9	700 + 1000	Survey + Survey	1	Y	NA	NA
2025-12-25	Open	NA	NA	NA	NA	NA	NA	0	N	NA	NA
2025-12-26	Speed Restriction	NA	Wildlife	muskox	4	1000	Survey	1	Y	NA	NA
2025-12-27	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-12-28	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-12-29	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-12-30	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-12-31	Closed (< 24 hour)	21.8	Weather	NA	NA	NA	NA	0	Y	NA	NA

Table B-2: Summary of road restrictions (Closed - 24 hours, Closed – less than 24 hours, Speed Restrictions, and Traffic Restrictions) along the Whale Tail Haul Road, 2025

Date	Closure Status	Closure Hours	Cause for Closure / Restriction	Wildlife Observed	Number of Individuals Observed	Distance from Road	Monitoring Method	Monitoring Conducted		Reason for Re-Opening	Consultation for Re-Opening
								Road Surveys	Collaring Data Reviewed		
2025-01-01	Closed	24.0	Weather	NA	NA	NA	NA	0	N	NA	NA
2025-01-02	Closed (< 24 hour)	3.1	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-03	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-04	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-05	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-06	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-07	Closed (< 24 hour)	1.9	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-08	Closed	24.0	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-09	Closed (< 24 hour)	12.7 /(11.3)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-10	Closed (< 24 hour)	4.9 /(4.5)	Weather	muskox	4	500	Viewshed	1	Y	Weather improved	NA
2025-01-11	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-12	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-13	Open	NA	NA	caribou	4	500	Survey	1	Y	NA	NA
2025-01-14	Speed Restriction	NA	Wildlife	caribou	25	700	Incidental	0	Y	NA	NA
2025-01-15	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-16	Closed (< 24 hour)	6.9 /(1.2)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-17	Closed (< 24 hour)	10.5 /(4.4)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-18	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-19	Restricted Access	(18.0)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-20	Restricted Access	(8.8)	Weather	NA	NA	NA	NA	1	Y	Weather improved	NA
2025-01-21	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-22	Speed Restriction	NA	Wildlife	caribou	4	100	Incidental	0	Y	NA	NA
2025-01-23	Speed Restriction	NA	Wildlife	caribou	14	400	Incidental	0	Y	NA	NA
2025-01-24	Closed (< 24 hour)	4.6 /(4.8)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-25	Open	NA	NA	muskox	2	350	Survey	1	Y	NA	NA
2025-01-26	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-27	Open	NA	NA	muskox	3	350	Survey	1	Y	NA	NA
2025-01-28	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-01-29	Closed (< 24 hour)	7.1	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-01-30	Closed (< 24 hour)	8.0	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-01-31	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-01	Closed (< 24 hour)	13.8	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-02-02	Closed (< 24 hour)	22.8 /(1.2)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-02-03	Closed (< 24 hour)	9.1 /(3.0)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-02-04	Closed (< 24 hour)	11.8 /(1.1)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-02-05	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-06	Open	NA	NA	caribou + muskox	6 + 6	1000 + 500	Incidental + Survey	1	Y	NA	NA
2025-02-07	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-08	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-09	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-10	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-11	Open	NA	NA	caribou + muskox	2 + 2	800 + 300	Incidental + Survey	1	Y	NA	NA
2025-02-12	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-13	Restricted Access	(3.3)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-02-14	Restricted Access	(4.5)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-02-15	Open	NA	NA	muskox	2	1500	Incidental	1	Y	NA	NA
2025-02-16	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-17	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-02-18	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-19	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-20	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-21	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-22	Restricted Access	(2.9)	Weather	NA	NA	NA	NA	1	Y	Weather improved	NA
2025-02-23	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-24	Closed (< 24 hour)	4.1 /(2.6)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-02-25	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-02-26	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-02-27	Closed (< 24 hour)	15.2	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-02-28	Closed	24.0	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-03-01	Closed (< 24 hour)	0.2	Weather	muskox	6	700	Survey	1	Y	Weather improved	NA
2025-03-02	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-03	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-04	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-05	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-06	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-07	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-08	Speed Restriction	NA	Wildlife	caribou + muskox	2 + 9	500 + 50	Survey + Survey	1	Y	NA	NA
2025-03-09	Closed (< 24 hour)	10.4 /(1.5)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-03-10	Closed (< 24 hour)	20.6 /(3.2)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-03-11	Closed (< 24 hour)	4.5 /(6.1)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-03-12	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-13	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-14	Restricted Access	(8.5)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-03-15	Open	NA	NA	caribou	2	50	Survey	1	Y	NA	NA
2025-03-16	Closed (< 24 hour)	9.8	Weather	caribou	2	600	Incidental	0	Y	NA	NA
2025-03-17	Closed	24.0	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-03-18	Closed	24.0	Weather	NA	NA	NA	NA	0	Y	NA	NA

Table B-2: Summary of road restrictions (Closed - 24 hours, Closed – less than 24 hours, Speed Restrictions, and Traffic Restrictions) along the Whale Tail Haul Road, 2025

Date	Closure Status	Closure Hours	Cause for Closure / Restriction	Wildlife Observed	Number of Individuals Observed	Distance from Road	Monitoring Method	Monitoring Conducted		Reason for Re-Opening	Consultation for Re-Opening
								Road Surveys	Collaring Data Reviewed		
2025-03-19	Closed (< 24 hour)	11.4 /(4.6)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-03-20	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-21	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-22	Open	NA	NA	muskox	11	1500	Incidental	1	Y	NA	NA
2025-03-23	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-24	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-25	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-26	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-03-27	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-28	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-29	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-03-30	Open	NA	NA	caribou	19	600	Survey	1	Y	NA	NA
2025-03-31	Open	NA	NA	caribou	2	50	Survey	1	Y	NA	NA
2025-04-01	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-04-02	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-04-03	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-04-04	Open	NA	NA	caribou + muskox	44 + 23	1500 + 2000	Survey + Survey	1	Y	NA	NA
2025-04-05	Closed (< 24 hour)	14.5	Wildlife	caribou + muskox	200 + 33	1500 + 400	Survey + Incidental	1	Y	NA	Road Closed
2025-04-06	Closed	24.0	Wildlife	caribou + muskox	40 + 34	700 + 75	Incidental + Survey	1	Y	NA	Road Closed
2025-04-07	Closed	24.0	Wildlife	caribou + muskox	100 + 34	300 + 800	Incidental + Survey	1	Y	NA	Road Closed
2025-04-08	Closed	24.0	10 Day Closure	caribou + muskox	200 + 23	400 + 600	Survey + Incidental	1	Y	NA	Road Closed
2025-04-09	Closed	24.0	10 Day Closure	NA	NA	NA	NA	0	Y	NA	Road Closed
2025-04-10	Closed	24.0	10 Day Closure	caribou + muskox	200 + 39	500 + 100	Incidental + Survey	1	Y	NA	Road Closed
2025-04-11	Closed	24.0	10 Day Closure	NA	NA	NA	NA	0	Y	NA	Road Closed
2025-04-12	Closed	24.0	10 Day Closure	caribou + muskox	300 + 34	400 + 500	Survey + Incidental	1	Y	NA	Road Closed
2025-04-13	Closed	24.0	10 Day Closure	NA	NA	NA	NA	0	Y	NA	Road Closed
2025-04-14	Closed	24.0	10 Day Closure	caribou + muskox	300 + 48	500 + 450	Incidental + Incidental	1	Y	NA	Road Closed
2025-04-15	Closed	24.0	10 Day Closure	NA	NA	NA	NA	0	Y	NA	Road Closed
2025-04-16	Closed	24.0	10 Day Closure	caribou + muskox	250 + 24	50 + 100	Incidental + Incidental	1	Y	NA	Road Closed
2025-04-17	Closed	24.0	10 Day Closure	NA	NA	NA	NA	0	Y	NA	Road Closed
2025-04-18	Closed	24.0	Wildlife	caribou + muskox	131 + 32	500 + 250	Incidental + Survey	1	Y	NA	Road Closed
2025-04-19	Closed	24.0	Wildlife	caribou + muskox	150 + 32	150 + 100	Incidental + Survey	1	Y	NA	Road Closed
2025-04-20	Closed	24.0	Wildlife / Weather	NA	NA	NA	NA	0	Y	NA	Road Closed
2025-04-21	Closed (< 24 hour)	18.9 /(5.1)	Wildlife	caribou + muskox	12 + 32	300 + 75	Incidental + Survey	1	Y	No more groups above GST	Daily TAG Calls
2025-04-22	Restricted Access	(14.3)	Wildlife / Weather	caribou + muskox	22 + 7	800 + 600	Incidental + Survey	1	Y	No more groups above GST, Weather Improved	NA
2025-04-23	Open	NA	NA	caribou	24	300	Incidental	1	Y	NA	NA
2025-04-24	Closed (< 24 hour)	15.0	Wildlife	caribou + muskox	475 + 32	1000 + 300	Incidental + Survey	1	Y	NA	Road Closed
2025-04-25	Closed	24.0	Wildlife	caribou + muskox	270 + 48	500 + 800	Incidental + Incidental	1	Y	NA	Road Closed
2025-04-26	Closed	24.0	Wildlife	caribou	867	200	Incidental	1	Y	NA	Road Closed
2025-04-27	Closed	24.0	Wildlife	caribou + muskox	744 + 34	700 + 50	Incidental + Survey	1	Y	NA	Road Closed
2025-04-28	Closed	24.0	Wildlife	caribou + muskox	214 + 34	150 + 500	Survey + Survey	2	Y	NA	Road Closed
2025-04-29	Closed	24.0	Wildlife	caribou + muskox	196 + 45	100 + 500	Survey + Survey	1	Y	NA	Road Closed
2025-04-30	Closed	24.0	Wildlife	caribou + muskox	203 + 32	100 + 20	Survey + Survey	1	Y	NA	Road Closed
2025-05-01	Closed	24.0	Wildlife	caribou + muskox	418 + 39	1000 + 200	Survey + Survey	1	Y	NA	Road Closed
2025-05-02	Closed	24.0	Wildlife	caribou + muskox	510 + 33	50 + 400	Survey + Survey	1	Y	NA	Road Closed
2025-05-03	Closed	24.0	Wildlife	caribou + muskox	351 + 37	1000 + 20	Survey + Survey	1	Y	NA	Road Closed
2025-05-04	Closed	24.0	Wildlife	caribou + muskox	619 + 42	1000 + 200	Survey + Incidental	1	Y	NA	Road Closed
2025-05-05	Closed	24.0	Wildlife	caribou + muskox	320 + 25	500 + 800	Survey + Incidental	1	Y	NA	Road Closed
2025-05-06	Closed	24.0	Wildlife	caribou + muskox	394 + 8	300 + 20	Incidental + Survey	1	Y	NA	Road Closed
2025-05-07	Closed (< 24 hour)	18.5	Wildlife	caribou + muskox	196 + 7	600 + 30	Incidental + Incidental	1	Y	No more groups above GST	Daily TAG Calls, KivIA Field discussion
2025-05-08	Closed (< 24 hour)	15.3 /(5.3)	Wildlife	caribou	250	300	Survey	1	Y	NA	Road Closed
2025-05-09	Closed (< 24 hour)	6.8	Wildlife	caribou	5	1500	Incidental	1	Y	No more groups above GST	Daily TAG Calls
2025-05-10	Open	NA	NA	caribou + muskox	20 + 37	900 + 3000	Incidental + Incidental	1	Y	NA	NA
2025-05-11	Closed (< 24 hour)	11.7	Wildlife	caribou	111	2000	Incidental	1	Y	NA	Road Closed
2025-05-12	Closed	24.0	Wildlife	caribou	150	1000	Survey	2	Y	NA	Road Closed
2025-05-13	Closed (< 24 hour)	6.7	Wildlife	caribou	38	2000	Survey	2	Y	No more groups above GST	Daily TAG Calls
2025-05-14	Closed (< 24 hour)	8.2	Wildlife	caribou + muskox	150 + 7	2000 + 1000	Incidental + Incidental	2	Y	No more groups above GST	Daily TAG Calls
2025-05-15	Closed (< 24 hour)	1.0	Wildlife	caribou	75	750	Incidental	1	Y	No more groups above GST	Daily TAG Calls
2025-05-16	Speed Restriction	NA	Wildlife	caribou + muskox	23 + 6	600 + 300	Survey + Survey	1	Y	NA	NA
2025-05-17	Closed (< 24 hour)	6.1	Wildlife	caribou	550	800	Survey	1	Y	No more groups above GST	Daily TAG Calls
2025-05-18	Closed (< 24 hour)	12.0	Wildlife	caribou + muskox	160 + 7	500 + 90	Incidental + Incidental	1	Y	NA	Road Closed
2025-05-19	Closed (< 24 hour)	18.8	Wildlife	caribou + muskox	345 + 8	1250 + 400	Incidental + Survey	1	Y	No more groups above GST	Daily TAG Calls
2025-05-20	Closed	24.0	Wildlife	caribou + muskox	162 + 6	650 + 100	Survey + Incidental	1	Y	NA	Road Closed
2025-05-21	Closed	24.0	Wildlife	caribou + muskox	159 + 2	0 + 1500	Survey + Incidental	3	Y	NA	Road Closed
2025-05-22	Closed	24.0	Wildlife	caribou + muskox	182 + 3	500 + 400	Survey + Incidental	4	Y	NA	Road Closed
2025-05-23	Closed	24.0	Wildlife	caribou + muskox	137 + 3	400 + 200	Incidental + Incidental	4	Y	NA	Road Closed
2025-05-24	Closed	24.0	Wildlife	caribou + muskox	123 + 8	300 + 600	Survey + Incidental	4	Y	NA	Road Closed
2025-05-25	Closed	24.0	Wildlife	caribou + muskox	72 + 6	300 + 1000	Incidental + Incidental	4	Y	NA	Road Closed
2025-05-26	Closed (< 24 hour)	8.7 /(15.3)	Wildlife	caribou + muskox	44 + 10	600 + 50	Incidental + Incidental	3	Y	Regular Season Protection Measures with a GST of 25	Daily TAG Call
2025-05-27	Restricted Access	(15.8)	Wildlife	caribou + muskox	59 + 9	1000 + 300	Survey + Survey	2	Y	No more groups above GST	NA
2025-05-28	Restricted Access	(24.0)	Wildlife	caribou + muskox	59 + 6	500 + 300	Survey + Survey	3	Y	NA	NA
2025-05-29	Restricted Access	(24.0)	Wildlife	caribou	59	2000	Incidental	2	Y	NA	NA
2025-05-30	Restricted Access	(24.0)	Wildlife	caribou + muskox	45 + 3	900 + 500	Survey + Survey	1	Y	NA	NA
2025-05-31	Restricted Access	(16.2)	Wildlife	caribou + muskox	46 + 3	300 + 500	Incidental + Survey	1	Y	No more groups above GST	NA
2025-06-01	Speed Restriction	NA	Wildlife	caribou + muskox	78 + 2	1600 + 1000	Survey + Survey	1	Y	NA	NA

Table B-2: Summary of road restrictions (Closed - 24 hours, Closed – less than 24 hours, Speed Restrictions, and Traffic Restrictions) along the Whale Tail Haul Road, 2025

Date	Closure Status	Closure Hours	Cause for Closure / Restriction	Wildlife Observed	Number of Individuals Observed	Distance from Road	Monitoring Method	Monitoring Conducted		Reason for Re-Opening	Consultation for Re-Opening
								Road Surveys	Collaring Data Reviewed		
2025-06-02	Open	NA	NA	caribou + muskox	72 + 3	1800 + 400	Incidental + Survey	1	Y	NA	NA
2025-06-03	Restricted Access	(12.8)	Wildlife	caribou + muskox	32 + 2	1000 + 500	Survey + Survey	2	Y	NA	NA
2025-06-04	Restricted Access	(13.1)	Wildlife	caribou + muskox	17 + 5	800 + 500	Incidental + Survey	1	Y	No more groups above GST	NA
2025-06-05	Open	NA	NA	caribou + muskox	60 + 4	1800 + 100	Survey + Incidental	1	Y	NA	NA
2025-06-06	Restricted Access	(13.5)	Wildlife	caribou + muskox	110 + 5	400 + 50	Incidental + Incidental	1	Y	NA	NA
2025-06-07	Restricted Access	(24.0)	Wildlife	caribou + muskox	118 + 3	1000 + 300	Survey + Survey	1	Y	NA	NA
2025-06-08	Restricted Access	(10.5)	Wildlife	caribou + muskox	12 + 3	1000 + 100	Survey + Survey	1	Y	No more groups above GST	NA
2025-06-09	Open	NA	NA	caribou + muskox	15 + 3	1800 + 400	Survey + Survey	1	Y	NA	NA
2025-06-10	Open	NA	NA	muskox	2	125	Survey	1	Y	NA	NA
2025-06-11	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-12	Open	NA	NA	caribou + muskox	12 + 6	200 + 100	Survey + Incidental	1	Y	NA	NA
2025-06-13	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-14	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-15	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-16	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-17	Open	NA	NA	muskox	7	100	Survey	1	Y	NA	NA
2025-06-18	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-19	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-20	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-21	Speed Restriction	NA	Wildlife	caribou + muskox	21 + 14	500 + 100	Incidental + Survey	1	N	NA	NA
2025-06-22	Speed Restriction	NA	Wildlife	NA	NA	NA	NA	0	Y	NA	NA
2025-06-23	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-24	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-25	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-26	Open	NA	NA	muskox	2	25	Incidental	0	Y	NA	NA
2025-06-27	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-28	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-06-29	Open	NA	NA	muskox	3	100	Survey	1	Y	NA	NA
2025-06-30	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-07-01	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-02	Open	NA	NA	caribou + muskox	1 + 1	10 + 10	Survey + Incidental	1	Y	NA	NA
2025-07-03	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-04	Open	NA	NA	muskox	4	150	Incidental	0	Y	NA	NA
2025-07-05	Speed Restriction	NA	Wildlife	muskox	7	400	Survey	1	Y	NA	NA
2025-07-06	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-07	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-08	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-09	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-10	Speed Restriction	NA	Wildlife	muskox	3	500	Survey	1	Y	NA	NA
2025-07-11	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-12	Open	NA	NA	muskox	4	200	Survey	1	Y	NA	NA
2025-07-13	Open	NA	NA	muskox	4	500	Survey	1	Y	NA	NA
2025-07-14	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-15	Speed Restriction	NA	Wildlife	muskox	8	5	Incidental	0	Y	NA	NA
2025-07-16	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-17	Speed Restriction	NA	Wildlife	muskox	17	100	Incidental	0	Y	NA	NA
2025-07-18	Open	NA	NA	muskox	4	300	Incidental	0	Y	NA	NA
2025-07-19	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-20	Open	NA	NA	caribou + muskox	2 + 6	1000 + 600	Survey + Survey	1	Y	NA	NA
2025-07-21	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-07-22	Restricted Access	(9.8)	Weather	muskox	1	400	Survey	1	Y	NA	NA
2025-07-23	Restricted Access	(24)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-07-24	Restricted Access	(11.4)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-07-25	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-26	Speed Restriction	NA	Wildlife	muskox	1	10	Incidental	1	Y	NA	NA
2025-07-27	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-07-28	Speed Restriction	NA	Wildlife	muskox	25	75	Survey	1	Y	NA	NA
2025-07-29	Open	NA	NA	muskox	1	100	Survey	1	Y	NA	NA
2025-07-30	Speed Restriction	NA	Wildlife	muskox	18	100	Survey	1	Y	NA	NA
2025-07-31	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-01	Speed Restriction	NA	Wildlife	muskox	14	300	Incidental	1	Y	NA	NA
2025-08-02	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-03	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-04	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-05	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-06	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-07	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-08	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-09	Open	NA	NA	caribou	1	50	Incidental	1	Y	NA	NA
2025-08-10	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-11	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-12	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-13	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-14	Speed Restriction	NA	Wildlife	caribou	1	0	Survey	1	Y	NA	NA
2025-08-15	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-16	Speed Restriction	NA	Wildlife	caribou	1	0	Survey	1	Y	NA	NA
2025-08-17	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA

Table B-2: Summary of road restrictions (Closed - 24 hours, Closed – less than 24 hours, Speed Restrictions, and Traffic Restrictions) along the Whale Tail Haul Road, 2025

Date	Closure Status	Closure Hours	Cause for Closure / Restriction	Wildlife Observed	Number of Individuals Observed	Distance from Road	Monitoring Method	Monitoring Conducted		Reason for Re-Opening	Consultation for Re-Opening
								Road Surveys	Collaring Data Reviewed		
2025-08-18	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-19	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-20	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-21	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-22	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-23	Open	NA	NA	NA	NA	NA	NA	0	N	NA	NA
2025-08-24	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-08-25	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-26	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-27	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-28	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-29	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-08-30	Open	NA	NA	caribou + muskox	1 + 1	50 + 500	Survey + Survey	1	Y	NA	NA
2025-08-31	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-01	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-02	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-03	Open	NA	NA	muskox	1	150	Survey	1	Y	NA	NA
2025-09-04	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-05	Open	NA	NA	muskox	1	100	Incidental	1	Y	NA	NA
2025-09-06	Open	NA	NA	caribou + muskox	3 + 1	300 + 200	Survey + Survey	1	Y	NA	NA
2025-09-07	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-08	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-09	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-10	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-11	Open	NA	NA	muskox	1	1000	Survey	1	Y	NA	NA
2025-09-12	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-13	Open	NA	NA	caribou + muskox	1 + 1	1000 + 1000	Incidental + Survey	1	Y	NA	NA
2025-09-14	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-15	Open	NA	NA	muskox	1	100	Incidental	1	Y	NA	NA
2025-09-16	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-17	Open	NA	NA	caribou + muskox	1 + 1	50 + 1	Survey + Incidental	1	Y	NA	NA
2025-09-18	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-19	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-20	Closed (< 24 hour)	5.7	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-09-21	Closed (< 24 hour)	6.5	Weather	muskox	1	500	Survey	1	Y	Weather improved	NA
2025-09-22	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-23	Open	NA	NA	muskox	6	500	Survey	1	Y	NA	NA
2025-09-24	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-25	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-26	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-09-27	Closed (< 24 hour)	9.3	Maintenance	NA	NA	NA	NA	0	Y	Maintenance done	NA
2025-09-28	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-09-29	Restricted Access	(9.0)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-09-30	Restricted Access	(24.0)	Weather	NA	NA	NA	NA	1	Y	NA	NA
2025-10-01	Restricted Access	(7.0)	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-10-02	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-03	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-04	Restricted Access	(6.4)	Weather	NA	NA	NA	NA	1	Y	NA	NA
2025-10-05	Restricted Access	(15.2)	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-10-06	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-07	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-08	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-09	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-10	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-11	Open	NA	NA	caribou	15	250	Survey	1	Y	NA	NA
2025-10-12	Closed (< 24 hour)	1.7 /(11.5)	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-10-13	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-14	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-15	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-16	Restricted Access	(12.3)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-10-17	Restricted Access	(4.7)	Weather	caribou	3	400	Survey	1	Y	Weather Improved	NA
2025-10-18	Open	NA	NA	caribou	1	100	Survey	1	Y	NA	NA
2025-10-19	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-20	Open	NA	NA	caribou + muskox	4 + 5	300 + 1500	Survey + Survey	1	Y	NA	NA
2025-10-21	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-22	Open	NA	NA	caribou	18	1000	Incidental	1	Y	NA	NA
2025-10-23	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-24	Open	NA	NA	caribou + muskox	15 + 5	40 + 400	Survey + Survey	1	Y	NA	NA
2025-10-25	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-26	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-27	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-28	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-10-29	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-30	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-10-31	Closed (< 24 hour)	12.4	Wildlife	caribou + muskox	300 + 3	100 + 50	Survey + Survey	1	Y	NA	Road Closed
2025-11-01	Closed	24.0	Wildlife	caribou + muskox	319 + 3	50 + 50	Incidental + Survey	1	Y	NA	Road Closed
2025-11-02	Closed (< 24 hour)	11.5 /(4.6)	Wildlife	caribou + muskox	9 + 2	100 + 300	Survey + Survey	1	Y	No more groups above GST	Daily TAG calls

Table B-2: Summary of road restrictions (Closed - 24 hours, Closed – less than 24 hours, Speed Restrictions, and Traffic Restrictions) along the Whale Tail Haul Road, 2025

Date	Closure Status	Closure Hours	Cause for Closure / Restriction	Wildlife Observed	Number of Individuals Observed	Distance from Road	Monitoring Method	Monitoring Conducted		Reason for Re-Opening	Consultation for Re-Opening
								Road Surveys	Collaring Data Reviewed		
2025-11-03	Restricted Access	(2.4)	Weather	muskox	36	3800	Survey	1	Y	Weather improved	NA
2025-11-04	Closed (< 24 hour)	22.4 /(1.6)	Weather / Wildlife	caribou + muskox	356 + 3	800 + 250	Incidental + Incidental	2	Y	Weather improved	Road Closed
2025-11-05	Closed (< 24 hour)	13.8	Wildlife / Weather	caribou	59	25	Survey	1	Y	No more groups above GST	Daily TAG calls
2025-11-06	Closed (< 24 hour)	6.9 /(0.8)	Weather	caribou	5	250	Survey	1	Y	Weather improved	NA
2025-11-07	Closed (< 24 hour)	4.8	Weather	caribou	52	2000	Incidental	1	Y	Weather improved	NA
2025-11-08	Open	NA	NA	caribou	14	2500	Incidental	1	Y	NA	NA
2025-11-09	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-11-10	Closed (< 24 hour)	5.1 /(3.3)	Weather	caribou	47	300	Incidental	2	Y	NA	NA
2025-11-11	Closed (< 24 hour)	7 /(6.3)	Weather	caribou	9	1000	Incidental	1	Y	Weather Improved	NA
2025-11-12	Restricted Access	(9.8)	Weather	caribou + muskox	8 + 1	800 + 1500	Incidental + Survey	1	Y	Weather Improved	NA
2025-11-13	Open	NA	NA	caribou	12	1800	Survey	1	Y	NA	NA
2025-11-14	Closed (< 24 hour)	0.0	Weather	caribou + muskox	15 + 17	1500 + 5000	Incidental + Incidental	1	Y	NA	NA
2025-11-15	Closed (< 24 hour)	21.4	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-11-16	Restricted Access	(3.5)	Weather	muskox	6	1000	Incidental	1	Y	Weather Improved	NA
2025-11-17	Open	NA	NA	caribou	10	200	Survey	1	Y	NA	NA
2025-11-18	Speed Restriction	NA	Wildlife	caribou + muskox	6 + 1	400 + 50	Incidental + Survey	1	Y	NA	NA
2025-11-19	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-11-20	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-11-21	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-11-22	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-11-23	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-11-24	Open	NA	NA	muskox	3	3000	Survey	1	Y	NA	NA
2025-11-25	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-11-26	Open	NA	NA	muskox	18	1000	Incidental	1	Y	NA	NA
2025-11-27	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-11-28	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-11-29	Closed (< 24 hour)	3.5	Weather	NA	NA	NA	NA	0	Y	Weather Improved	NA
2025-11-30	Open	NA	NA	muskox	1	600	Survey	1	Y	NA	NA
2025-12-01	Open	NA	NA	NA	NA	NA	NA	0	Y		NA
2025-12-02	Closed (< 24 hour)	4.3	Weather	NA	NA	NA	NA	1	Y	NA	NA
2025-12-03	Closed (< 24 hour)	9.3	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-12-04	Open	NA	NA	muskox	3	50	Survey	1	Y	NA	NA
2025-12-05	Closed (< 24 hour)	1.5	Weather	caribou + muskox	3 + 3	100 + 300	Survey + Survey	1	Y	Weather improved	NA
2025-12-06	Closed (< 24 hour)	4.6	Weather	NA	NA	NA	NA	0	Y	Weather improved	NA
2025-12-07	Open	NA	NA	muskox	7	1000	Survey	1	Y	NA	NA
2025-12-08	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-12-09	Open	NA	NA	muskox	18	2000	Survey	1	Y	NA	NA
2025-12-10	Open	NA	NA	NA	NA	NA	NA	0	Y	NA	NA
2025-12-11	Open	NA	NA	muskox	7	150	Survey	1	Y	NA	NA
2025-12-12	Open	NA	NA	caribou + muskox	13 + 9	2000 + 400	Incidental + Incidental	1	Y	NA	NA
2025-12-13	Open	NA	NA	muskox	7	100	Survey	1	Y	NA	NA
2025-12-14	Closed (< 24 hour)	13.6	Wildlife	caribou + muskox	685 + 7	1000 + 600	Survey + Survey	1	Y	NA	Road Closed
2025-12-15	Closed	24.0	Wildlife	caribou + muskox	315 + 8	100 + 1200	Survey + Incidental	1	Y	NA	Road Closed
2025-12-16	Closed	24.0	Wildlife	caribou + muskox	183 + 7	800 + 100	Incidental + Incidental	1	Y	NA	Road Closed
2025-12-17	Closed (< 24 hour)	17.2 /(6.1)	Wildlife / Weather	caribou + muskox	22 + 7	200 + 600	Survey + Survey	1	Y	No more groups above GST, Weather Improved	Daily TAG calls
2025-12-18	Open	NA	NA	NA	NA	NA	NA	1	Y	NA	NA
2025-12-19	Speed Restriction	NA	Wildlife	caribou + muskox	8 + 3	15 + 150	Incidental + Survey	1	Y	NA	NA
2025-12-20	Restricted Access	(9.5)	Wildlife	caribou + muskox	59 + 3	1000 + 800	Incidental + Survey	1	Y	NA	NA
2025-12-21	Closed (< 24 hour)	21.6 /(2.4)	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-12-22	Closed	24.0	Weather	NA	NA	NA	NA	0	Y	NA	NA
2025-12-23	Closed (< 24 hour)	8 /(6.7)	Weather	caribou + muskox	54 + 3	50 + 100	Incidental + Incidental	1	Y	Weather improved	NA
2025-12-24	Restricted Access	(24.0)	Wildlife	caribou + muskox	56 + 1	250 + 500	Survey + Survey	1	Y	NA	NA
2025-12-25	Closed (< 24 hour)	8.1 /(15.9)	Wildlife	caribou + muskox	58 + 1	750 + 300	Survey + Incidental	1	N	NA	Daily TAG calls
2025-12-26	Closed (< 24 hour)	17.8 /(6.2)	Wildlife	caribou + muskox	330 + 1	200 + 100	Survey + Survey	2	Y	As per TAG agreement it was only closed on night shift but can open to 50% during the day shift.	Daily TAG calls
2025-12-27	Closed (< 24 hour)	11 /(13)	Wildlife	caribou	74	250	Survey	1	Y	As per TAG agreement it was only closed on night shift but can open to 50% during the day shift.	Daily TAG calls
2025-12-28	Closed (< 24 hour)	8.5 /(15.5)	Wildlife	caribou + muskox	112 + 3	600 + 500	Survey + Survey	1	Y	NA	Daily TAG calls
2025-12-29	Closed (< 24 hour)	4.7 /(19.3)	Wildlife	caribou + muskox	80 + 2	0 + 1600	Survey + Survey	1	Y	As per TAG agreement it was only closed on night shift but can open to 50% during the day shift.	Daily TAG calls
2025-12-30	Restricted Access	(19.3)	Wildlife	caribou + muskox	61 + 3	50 + 1400	Incidental + Survey	1	Y	NA	NA
2025-12-31	Closed (< 24 hour)	10.5 /(19.3)	Weather	caribou	18	50	Incidental	1	Y	NA	NA

APPENDIX C

Wildlife Mortalities

Wildlife Incident Report Form

Date:	2025-01-12	**Time:**	10:00am
Individuals involved:	Renee Pudnak (AEM)		
Species:	Unknown		
Number, gender, age:	Adult		
Location (description):	Whale Tail Haul Road Km 112		
Location (UTM):	14W 0641055 7217502		
Digital photo numbers:	See below		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

E&I equipment operator called the Environment Team on the radio to notify them of an apparent roadkill at km112. Upon arrival, the AEM Environment tech observed a blood splatter and small remains of the carcass but was not able to determine if the carcass was from an Arctic fox or an Arctic hare. It appears that this mortality was run over by mining equipment and is project related.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

No wildlife deterrent used.

Describe any communication with GN-DOE:

GN-DOE will be notified via email on January 14, 2025.

What immediate measures were taken to reduce risk or harm?

Photographs of the carcass were taken. The carcass and remains were removed from the road to avoid attracting scavengers.

What measures are recommended to prevent future occurrences?

A reminder to all road users to be alert and cautious of wildlife presence along the road.

Report prepared by:	Eric Leonard	**Reviewed by:**	Tom Thomson



Figure 1:WTHR km 112 (looking SE)



Figure 2: WTHR km 112 (looking SE)

Wildlife Incident Report Form

Date:	2025-01-14	**Time:**	9:27am
Individuals involved:	Guillaume Baril (AEM)		
	Nicholas Andreotte (AEM)		
Species:	Arctic Fox		
Number, gender, age:	1, unknown, unknown		
Location (description):	Whale tail Mine, Road35		
Location (UTM):	14W 0608348 7255808		
Digital photo numbers:	See below		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

Dispatch radioed the Environmental Team to report an apparent roadkill on Road 35. Upon arrival, the AEM Environment technician observed an arctic fox carcass frozen to the road surface. It appeared that the animal had been run over by mining equipment.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

No wildlife deterrent used.

Describe any communication with GN-DOE:

GN-DOE will be notified via email.

What immediate measures were taken to reduce risk or harm?

Carcass and remains were removed from the road to avoid attracting scavengers.

What measures are recommended to prevent future occurrences?

A reminder to all road users to be alert and cautious of wildlife presence along the road and to slow down when an animal has been sighted in the area.

Report prepared by:	Guillaume Baril	**Reviewed by:**	Samuel Tapp

Figure 1:



Wildlife Incident Report Form

Date:	2025-01-15	**Time:**	12:44 PM
Individuals involved:	Renee Pudnak		
Species:	Ptarmigan		
Number, gender, age:	One individual, unknown gender, adult.		
Location (description):	In the middle of the AWAR, Km 18.		
Location (UTM):	14 W 640312.35 m E 7151613.57 m N		
Digital photo numbers:			

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

During the AWAR inspection, a ptarmigan carcass was observed in the middle of the road at KM 18. Based on the field observations, it appears that the ptarmigan was run over by a vehicle.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

N/A

Describe any communication with GN-DOE:

N/A

What immediate measures were taken to reduce risk or harm?

The carcass was collected by Environment staff and transported back to site for disposal.

What measures are recommended to prevent future occurrences?

A reminder to all road users to be alert and cautious of wildlife presence along the road.

Report prepared by:	Rowan Woodall	**Reviewed by:**	Rowan Woodall

Wildlife Incident Report Form

Date:	2025-01-22	**Time:**	15:00
Individuals involved:	Thomas Dahm (AEM)		
	Cedric Ookowt		
Species:	Arctic Hare		
Number, gender, age:	Adult		
Location (description):	Whale Tail Haul Road KM124		
Location (UTM):	14W 0635706 7225934		
Digital photo numbers:	See photo		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

While driving on the WTHR the Environment Team observed an apparent road kill at KM124. Environment tech observed a blood splatter and small remains of the carcass and determined it was an Arctic hare. It appears that this mortality was run over by mining equipment and is project related.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

No wildlife deterrent used.

Describe any communication with GN-DOE:

What immediate measures were taken to reduce risk or harm?

Photographs were taken.

What measures are recommended to prevent future occurrences?

A reminder to all road users to be alert and cautious of wildlife presence along the road.

Report prepared by:	Thomas Dahm	**Reviewed by:**	



Figure 1: Taken at KM124

Wildlife Incident Report Form

Date:	2025-02-10	**Time:**	13:30
Individuals involved:	Guillaume Baril	Nicholas Andreotte	
Species:	Wolf		
Number, gender, age:	Adult Female		
Location (description):	Whale Tail – Whale tail south lake/A55 lake		
Location (UTM):	14W 0607925 7254562		
Digital photo numbers:			

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

On February 10, 2025, at 13:00 a wolf was reported by Pit Operation Dispatch on the Underground Ore stockpile. Environment responded to the call and observed the wolf walking away towards road 35/IVR attenuation pond. Environment workers attempted to deter the wolf away with the horn of the pick-up. The wolf did not respond at first, staying in the middle of the road ignoring the signals.

Previous attempts to deter the wolf away from the site were unsuccessful as the wolf had become habituated to the site and several close encounters with employees were reported deeming this a safety concern.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

As the wolf made its the way south close to Whale tail south lake, AEM Environment followed the wolf by pick-up. As the Environment workers moved away from the vehicle to regain sight of the animal, the wolf was observed standing approximately 50m away. At 13:30, approximately 50m away from the wolf, a .300 rifle bullet was fired. The wolf was hit in the vitals, started walking southeast approximately 10m before falling on its side.

Describe any communication with GN-DOE:

Communication between the GN Conservation officer and Agnico Eagle occurred on February 6th, 2025, where wildlife destruction authorization was permitted, should the wildlife pose safety issues/concerns.

A confirmatory email was submitted to the GN February 10th, 2025, confirming the animal was euthanized.

What immediate measures were taken to reduce risk or harm?

The carcass was collected and will be delivered to the GN office in Baker Lake during the following days.

What measures are recommended to prevent future occurrences?

A general reminder to all site personnel regarding food waste, cigarette butts, proper waste segregation, closing sea can doors, and ensuring work areas are clean to avoid attracting wildlife on the site was sent via the daily communicator and through toolboxes.



2025-02-10

Report prepared by:	Guillaume Baril	**Reviewed by:**	Rowan Woodall

Wildlife Incident Report Form

Date:	2025-02-11	**Time:**	13:30
Individuals involved:	Samuel Tapp	Felix Tutanuaq	Renee Pudnak
Species:	Wolf		
Number, gender, age:	Adult Male		
Location (description):	Meadowbank site - Landfill		
Location (UTM):	14W 0638598 7215469		
Digital photo numbers:			

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

On February 11, 2025, at 12:55 PM, a worker reported a wolf near the Quarry 23 area. The Environment team, along with Baker Lake HTO, responded to the call and observed the wolf resting at the landfill during their patrol. Previous attempts to deter the wolf from the site since December had been unsuccessful, as the wolf had become habituated to the area. Several close encounters with employees were reported, making this a significant safety concern.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

At 1:30 PM, from a distance of approximately 20 meters, Baker Lake HTO used a .223 rifle to euthanize the wolf.

Describe any communication with GN-DOE:

A confirmatory email was submitted to the GN February 11th, 2025 and via a phone call at 02:00pm, confirming the animal was euthanized.

What immediate measures were taken to reduce risk or harm?

The carcass was collected and will be delivered to the GN office in Baker Lake later in the afternoon by Baker Lake HTO.

What measures are recommended to prevent future occurrences?

A general reminder to all site personnel regarding food waste, cigarette butts, proper waste segregation, closing sea can doors, and ensuring work areas are clean to avoid attracting wildlife on the site was sent via the daily communicator and through toolboxes.



2025-02-11

Report prepared by:	Samuel Tapp	**Reviewed by:**	N/A

Wildlife Incident Report Form

Date:	2025-02-14	**Time:**	22:40
Individuals involved:	Yvon Lauzon (Driver)	David White (Driver of the next truck)	Joel Girard (Road supervisor)
	Eric Leonard (AEM Environment)	Rowan Woodall (AEM Environment)	
Species:	Caribou		
Number, gender, age:			
Location (description):	WTHR km 113 (Northbound lane)		
Location (UTM):	14W 035910 7217998		
Digital photo numbers:	See below		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

During a return trip from MBK to AMQ at 22:40, the operator of LHT Unit 19-0127 was driving Northbound with an empty truck back toward Amaruq when a caribou suddenly appeared in his peripheral. The driver reported that the caribou was running from West to East and struck the driver side fuel tank of the truck. Another driver in the area reported wolves next to the road on the West side. Dispatch notified Agnico Eagle Environment of the collision, and all traffic was stopped. One the Agnico Eagle Environment staff reached the scene (~23:20) the were able to assess the scene and confirmed the presence of at least two set of fresh wolf tracks in the same proximity as the caribou tracks and confirmed the caribou mortality. Traffic resumed without restrictions at 00:05 once the scene had been released.

No caribou were observed in this area of the Whale Tail Hail Road during the wildlife surveys completed earlier in the week.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

1 adult caribou was deceased as a result of the collision with the LHT 19-0127. No deterrents we required to collect the carcass.

Describe any communication with GN-DOE:

The GN-DOE was also notified via email at 14:15 on Feb 15th, 2025

What immediate measures were taken to reduce risk or harm?

The caribou carcass was removed from the road, the traces of blood were collected by shovel and pail to reduce attractants and the possibility of subsequent collisions. The carcass will be stored outside in a closed sea can and transferred to the GN-DOE early next week.

What measures are recommended to prevent future occurrences?

Agnico Eagle will continue to re-enforce speed restrictions when wildlife is observed in close proximity to the road. All road users were reminded that wildlife has the right of way and to remain vigilant for wildlife while driving along the roads.

Report prepared by:	Eric Leonard	**Reviewed by:**	Rowan Woodall



Figure 1: LHT 19-0127, the driver is showing where the caribou impacted the truck (fuel tank just under the driver side door)



Figure 2: The caribou deceased in the Northbound lane.



Figure 3: AEM Environment observed fresh wolf tracks directly adjacent from the caribou carcass.

Wildlife Incident Report Form

Date:	2025-02-17	**Time:**	14:10
Individuals involved:	Laurence Archambault	Nicholas Andreotte	
Species:	Wolf		
Number, gender, age:	1 Adult Female		
Location (description):	Whale Tail- Whale Tail south lake/A55 lake		
Location (UTM):	14W 607925.46 m E 7254579.95 m N		
Digital photo numbers:			

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

On February 17, 2025, at 13:30 a wolf was reported by an operator near Pad Q. Environment responded to the call and observed the wolf on the road between Warehouse transit pad and the Orbit shop. Environment workers attempted to deter the wolf into the tundra with the horn of the pickup, the wolf left site into the tundra heading south of camp towards Whale tail south lake, but when approx. 300m away the wolf proceeded to turn around and make its way back towards site.

Several close encounters with employees were reported throughout the previous weeks, deeming this a safety concern.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

As the wolf began to return to site, two bangers were shot towards the wolf to try and deter if from returning to site, bangers had no affect on the wolf as it continued to make its way towards site. At 14:10, approximately 70m away from the wolf a .223 bullet was fired resulting in the wolf being dispatched.

Describe any communication with GN-DOE:

An email notification from Agnico Eagle to the GN-DOE was submitted on Feb 18th at ~12:00pm

What immediate measures were taken to reduce risk or harm?

The carcass was collected and will be delivered to the GN office in Baker Lake during the following days.

What measures are recommended to prevent future occurrences?

A general reminder to all site personnel regarding food waste, cigarette butts, proper waste segregation, closing sea can doors, and ensuring work areas are clean to avoid attracting wildlife on the site was sent via the daily communicator and through toolboxes.



Report prepared by:	Nicholas Andreotte	**Reviewed by:**	Rowan Woodall

Wildlife Incident Report Form

Date:	2025-05-27	**Time:**	3:35 PM
Individuals involved:	Renee Pudnak		
Species:	Ptarmigan		
Number, gender, age:	One individual, unknown gender, adult.		
Location (description):	In the middle of the AWAR, Km 42.		
Location (UTM):	14 W 629306.21 m E 7169707.21 m N		
Digital photo numbers:			

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

During the AWAR inspection, an ptarmigan carcass was observed in the middle of the road at KM 42. Based on the field observations, it appears that the ptarmigan was run over by a vehicle.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

N/A

Describe any communication with GN-DOE:

N/A

What immediate measures were taken to reduce risk or harm?

The carcass was collected by Environment staff and transported back to site for disposal.

What measures are recommended to prevent future occurrences?

A reminder to all road users to be alert and cautious of wildlife presence along the road.

Report prepared by:	Rowan Woodall	**Reviewed by:**	Rowan Woodall

Wildlife Incident Report Form

Date:	2025-06-04	**Time:**	08:05
Individuals involved:	Robert Chamberland	Sebastien Grandmaison	
Species:	Vulpes lagopus		
Number, gender, age:	1, unknown, adult		
Location (description):	Between the powerhouse and the HGPR		
Location (UTM):	14W 638164E, 7213962N		
Digital photo numbers:			

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

Cause of death is unknown. The animal was found in a sea can with no flooring that had been placed in the fall. The animal was significantly decomposed (only fur and bones remaining) and frozen, leading to believe it had deceased prior to the winter.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

None.

Describe any communication with GN-DOE:

E-mail sent on June 5th

What immediate measures were taken to reduce risk or harm?

The animal was disposed off appropriately at the Meadowbank Complex facility.

What measures are recommended to prevent future occurrences?

A reminder to be sent to the site for ensuring wildlife attractants, such as cigarette butts, food wrappers, and closing seacan doors. Though the mortality was not likely directly caused by attractants, it would help reduce the risks to wildlife and the site.



Report prepared by:	Robert Chamberland	**Reviewed by:**	Samuel Tapp

Wildlife Incident Report Form

Date:	2025-06-07	**Time:**	8:36 am
Individuals involved:	Thomas Gagnon (AEM)		
Species:	Arctic Fox *Vulpes lagopus*		
Number, gender, age:	1, unknown, unknown		
Location (description):	Whale tail Mine, Camp site		
Location (UTM):	14W' 0608408 7254987		
Digital photo numbers:	See below		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

Operator approached the Environment technician to report a visibly dead fox laying under the foundation of a tent at the Whale Tail Mine Site. Upon assessment the fox had no visible physical markings that would indicate the animal succumbed to physical injuries. The body was still fresh and warm, indicating the mortality had happened not long before the report. The exact cause of death is unknown.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

No wildlife deterrent used.

Describe any communication with GN-DOE:

GN-DOE will be notified via email on June 10th

What immediate measures were taken to reduce risk or harm?

Carcass and remains were removed from the site to avoid attracting scavengers.

What measures are recommended to prevent future occurrences?

A reminder will be sent to the site to ensure wildlife attractants, such as cigarette butts, food wrappers, etc. are disposed of in accordance with the site waste management plan.

Report prepared by:	Thomas Gagnon	**Reviewed by:**	Rowan Woodall

Figure 1:



Figure 2:



Wildlife Incident Report Form

Date:	2025-06-12	**Time:**	3:35 PM
Individuals involved:	TD JN CP		
Species:	Siksik		
Number, gender, age:	One individual, male, adult.		
Location (description):	In the middle of the AWAR, Km 42.		
Location (UTM):	14 W 629306.21 m E 7169707.21 m N		
Digital photo numbers:			

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

During the AWAR inspection, a siksik was observed in the middle of the road at KM 42. Based on the field observations, it appears that the siksik was run over by a vehicle.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

N/A

Describe any communication with GN-DOE:

N/A

What immediate measures were taken to reduce risk or harm?

The carcass was collected by Environment staff and transported back to site for disposal.

What measures are recommended to prevent future occurrences?

A reminder to all road users to be alert and cautious of wildlife presence along the road.

Report prepared by:	Rowan Woodall	**Reviewed by:**	Rowan Woodall

Wildlife Incident Report Form

Date:	2025-07-23	**Time:**	1:00 PM
Individuals involved:	N/A		
Species:	Artic Hare		
Number, gender, age:	Male		
Location (description):	In the middle of the AWAR, in front of the 102 Km Flag.		
Location (UTM):	14W 635073 7217467		
Digital photo numbers:			

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

While traveling northbound on the AWAR, a driver was involved in a wildlife incident involving an Arctic Hare.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

N/A

Describe any communication with GN-DOE:

N/A

What immediate measures were taken to reduce risk or harm?

Upon receiving a report from another driver regarding wildlife mortality, an environmental technician was dispatched to the site to conduct an assessment. Road Dispatch and nearby drivers were notified of the incident and instructed to reduce speed in the vicinity to ensure safety during the retrieval process. The technician documented the scene by photographing the carcass for reporting purposes. The animal was then carefully placed in a containment bag and transported to a secured storage unit (seacan) pending appropriate disposal procedures. The Environmental Supervisor was informed of the incident.

What measures are recommended to prevent future occurrences?

Radio communications will include periodic warnings and reminders throughout the day, advising all personnel to reduce speed in areas where wildlife may be present. Additionally, an environmental technician should conduct a toolbox meeting with drivers to raise awareness about the importance of respecting wildlife right-of-way and ensuring safe driving practices in sensitive zones.

Report prepared by:	Lili Jodoin	**Reviewed by:**	Rowan Woodall



Wildlife Incident Report Form

Date:	2025-08-24	**Time:**	10:00 AM
Individuals involved:	N/A		
Species:	Artic Hare		
Number, gender, age:	One individual, unknown gender, adult.		
Location (description):	In the middle of the AWAR, in front of the 105 Km.		
Location (UTM):	14 W 636264 7217052		
Digital photo numbers:			

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

An Arctic Hare mortality was reported to the Environment department. At the time of discovery, the animal died more that a few hours ago. No obvious sign of trauma was found on the animal but given the location it may have died due to a vehicle.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

N/A

Describe any communication with GN-DOE:

N/A

What immediate measures were taken to reduce risk or harm?

As soon as the report of the mortality came in, an environmental technician was dispatched to the site to assess the scene. The road dispatch, as well as other drivers on the AWAR, were notified of the presence of the environment staff and to reduce speed near their location to ensure safety during the retrieval process. The animal was carefully placed in a containment bag and placed in an animal-proof storage (seacan) pending further appropriate disposal. The environmental supervisor was notified of the incident.

What measures are recommended to prevent future occurrences?

Additional toolbox meetings with the various departments around site will be conducted to increase awareness and vigilance regarding wildlife and driving procedures around wildlife and their right of way. This is combined with the added radio reminders to respect wildlife having right of way, reducing speed near known wildlife or around sensitive times, and notifying environment as soon as an incident occurs.

Report prepared by:	Robert Chamberland	**Reviewed by:**	Rowan Woodall

Wildlife Incident Report Form

Date:	2025-08-26	**Time:**	08:09
Individuals involved:	JN		
Species:	Arctic Hare		
Number, gender, age:	1. Adult, unknown gender		
Location (description):	KM67		
Location (UTM):	14W 0626993, 7190633		
Digital photo numbers:	N/A		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

Arctic hare carcass was encountered by environmental technician while travelling on the AWAR. The animal showed signs of mortality due to vehicular contact. No threats to safety were observed.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

None.

Describe any communication with GN-DOE:

N/A

What immediate measures were taken to reduce risk or harm?

Carcass was removed from road and burnt to minimize risk of further wildlife attraction.

What measures are recommended to prevent future occurrences?

A tailgate talk was scheduled with the road crew.

Report prepared by:	John Noble	**Reviewed by:**	Rowan Woodall

Wildlife Incident Report Form

Date:	5-Sep-2025	**Time:**	13:00
Individuals involved:	Joseph Castellan		
	Felix		
	Wammy		
Species:	Arctic Fox		
Number, gender, age:	1, Unsure, Juvenile		
Location (description):	End of Air Strip		
Location UTM:	14W 637206.12 7214889.66		
Digital photo numbers:	P9053225		
	P9053226		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

An Arctic Fox appeared to be hit by a vehicle. During the initial impact only half of the fox appeared to be injured. Upon arrival the fox was dragging it rear legs and franticly moving across the road, while bleeding form the legs. When I arrived (joseph), HTO monitors, Felix and Whammy were watching the fox from their truck. The fox then laid on it's side and did not move any longer. HTO confirmed fox had died.

There was no threat to wildlife or human safety.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

None.

Describe any communication with GN-DOE:

Via email on September 17th

What immediate measures were taken to reduce risk or harm?

Carful inspection of the animal from within the truck to determine if there was potential for it to have a natural recovery.

What measures are recommended to prevent future occurrences?

Driver being mindful of wildlife on the road, reducing speed. And in this case, contacting Environment if ever there is any contact between a worker/Truck and an animal.

Report prepared by:	Joseph castellan	**Reviewed by:**	Rowan Woodall

Figure 1:



Wildlife Incident Report Form

Date:	2025-10-09	**Time:**	08:47
Individuals involved:	Nicholas Andreotte (AEM)	Cedric Ookowt (AEM)	
Species:	Arctic Hare		
Number, gender, age:	1. Adult, unknown gender		
Location (description):	KM155		
Location (UTM):	14W 0619758, 7240716		
Digital photo numbers:	N/A		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

Arctic hare carcass was encountered by environmental technician while travelling on the WTHA. The animal showed signs of mortality due to vehicular contact. No threats to safety were observed.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

None.

Describe any communication with GN-DOE:

N/A

What immediate measures were taken to reduce risk or harm?

Carcass was removed from road and composted to minimize risk of further wildlife attraction.

What measures are recommended to prevent future occurrences?

Reinforce driver awareness regarding wildlife presence and always prioritize wildlife safety.

Report prepared by:	Nicholas Andreotte	**Reviewed by:**	Rowan Woodall

Wildlife Incident Report Form

Date:	2025-11-13	**Time:**	19:00
Individuals involved:	Felix Quessy	Rowan Woodall	
Species:	Arctic Fox		
Number, gender, age:	1, Adult gender unknown		
Location (description):	KM 110 on the WTHR		
Location (UTM):	14W 639233 7216182		
Digital photo numbers:	See below		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

A road user reported the presence of a carcass on the roadway. Upon investigation, Environmental Technicians confirmed the animal to be an adult Arctic fox. The carcass was located in the middle of the road at km 110, and no signs of predator activity or tracks were observed in the surrounding area. Based on the position of the carcass and field observations, it is likely that the fox was fatally struck by a vehicle.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

None.

Describe any communication with GN-DOE:

GN-DOE was notified by e-mail on November 14,2025 at 10:00 am

What immediate measures were taken to reduce risk or harm?

Carcass was safely removed from the road to prevent further hazards. A grader was called to scrape the area

What measures are recommended to prevent future occurrences?

Reinforce driver awareness regarding wildlife presence and always prioritize wildlife safety.

Report prepared by:	Felix Quessy	**Reviewed by:**	Rowan Woodall





Wildlife Incident Report Form

Date:	2025-11-14	**Time:**	14:30
Individuals involved:	Nicholas Andreotte	Remy Claude	
Species:	Arctic Fox		
Number, gender, age:	1, Adult gender unknown		
Location (description):	Entrance to WT WRSF ramp		
Location (UTM):	14W 606905 7255916		
Digital photo numbers:	See below		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

Grader reported presence of carcass on the entrance to the ramp of WT WRSF. Upon arrival carcass was confirmed to be fox by Env. Department. The carcass was originally reported to be on the ramp road but was dragged to snowbank by another fox to feed on. Based on original location it is likely that the fox was fatally struck by a vehicle.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

None.

Describe any communication with GN-DOE:

GN-DOE was notified by e-mail on November 15, 2025 at 10:00.

What immediate measures were taken to reduce risk or harm?

Carcass was safely removed from the road to prevent further hazards

What measures are recommended to prevent future occurrences?

Reinforce driver awareness regarding wildlife presence and always prioritize wildlife safety.

Report prepared by:	Nicholas Andreotte	**Reviewed by:**	Rowan Woodall


CAT
2025/11/14 14:27

Wildlife Incident Report Form

Date:	2025-11-22	**Time:**	5:50AM
Individuals involved:	Felix Quessy	Robyne Lloyd	
Species:	Arctic Fox		
Number, gender, age:	1, Adult gender unknown		
Location (description):	KM 154 on the WTHR		
Location (UTM):	14W 619366 7240399		
Digital photo numbers:	See below		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

Dispatched reported the presence of a carcass on the roadway. Environmental Technicians confirmed the animal to be an adult Arctic fox. The carcass was located in the middle of the road at km 154. No signs of predator activity were observed in the surrounding area. It is likely that the fox was struck by a vehicle based on the position of the carcass and field observations,

Describe any use of wildlife deterrents: Describe any wildlife mortality:

None.

Describe any communication with GN-DOE:

GN-DOE was notified by e-mail on November 22,2025 at 17:00

What immediate measures were taken to reduce risk or harm?

Carcass was safely removed from the road to prevent further hazards. A grader was called to scrape the area

What measures are recommended to prevent future occurrences?

Reinforce driver awareness regarding wildlife presence and always prioritize wildlife safety.

Report prepared by:	Felix Quessy	**Reviewed by:**	Samuel Tapp





Wildlife Incident Report Form

Date:	2025-11-28	**Time:**	13:15 PM
Individuals involved:	Thomas Labrecque	Robyne Lloyd	
Species:	Arctic Hare		
Number, gender, age:	1, Adult gender unknown		
Location (description):	KM 91 on the AWAR		
Location (UTM):	14W 630974 7209277		
Digital photo numbers:	1 photo, see below		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

Environmental Technicians were going Northbound towards Meadowbank and noticed an adult Arctic Hare carcass. The carcass was located in the middle of the road at km 91. No signs of predator activity were observed in the surrounding area. It is likely that the hare was struck by a vehicle based on the position of the carcass and field observations.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

None.

Describe any communication with GN-DOE:

What immediate measures were taken to reduce risk or harm?

Carcass was safely removed from the road to prevent further hazards, and the area was cleaned out.

What measures are recommended to prevent future occurrences?

Reinforce driver awareness regarding wildlife presence and always prioritize wildlife safety.

Report prepared by:	Thomas Labrecque	**Reviewed by:**	



Wildlife Incident Report Form

Date:	2025-12-01	**Time:**	11:10
Individuals involved:	Thomas Labrecque	Isabelle Couture	
Species:	Arctic Hare		
Number, gender, age:	1, Adult, gender unknown		
Location (description):	KM 83 on the AWAR		
Location (UTM):	14W 627493 7192078		
Digital photo numbers:	1 photo, see below		

Describe the incident or accident that occurred. Was there a threat to wildlife or human safety? What was the situation that caused it?

Environmental Technicians were going Northbound towards Meadowbank and noticed an adult Arctic Hare carcass after the bridge at km 83. The carcass was located in the middle of the road after the bridge. No signs of predator activity were observed in the surrounding area. It is likely that the hare was struck by a vehicle based on the position of the carcass and field observations.

Describe any use of wildlife deterrents: Describe any wildlife mortality:

None.

Describe any communication with GN-DOE:

What immediate measures were taken to reduce risk or harm?

Carcass was safely removed from the road to prevent further hazards, and the area was cleaned out.

What measures are recommended to prevent future occurrences?

Reinforce driver awareness regarding wildlife presence and always prioritize wildlife safety.

Report prepared by:	Thomas Labrecque	**Reviewed by:**	Rowan Woodall



APPENDIX D

Exemptions Permits

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Department of Environment

Ministère de l'Environnement

Wildlife Destruction Authorization Form

In accordance with section 25 of the *Wildlife Act*, I, Brad McInnes, a Conservation Officer in Nunavut, authorize Meadow Bank Environment Division of Agnico Eagle Gold mine in Nunavut, Canada.

(Name of Person) (Address of Person)

to destroy the following wildlife:

Species 2 Wolverines

Location: Meadowbank Mine Site

Reason wildlife is to be destroyed: Problem Wildlife

Equipment to be used to destroy the wildlife: Rifle or shot gun

Officer Signature

Conservation Officer lll
Position

September 19, 2025
Date

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Department of Environment

Ministère de l'Environnement

Wildlife Destruction Authorization Form

In accordance with section 25 of the *Wildlife Act*,

I, Bradley McInnes, a Conservation Officer in Nunavut,

authorize AEM-Environment of Agnico Eagle Mine,

(Name of Person) (Address of Person)

to destroy the following wildlife:

Species: 2 wolves

Location: Whale Tail Mine site

Reason wildlife is to be destroyed: Safety issue

Equipment to be used to destroy the wildlife: Firearm

Officer Signature

Conservation Officer III
Position

Feb 11 2025
Date

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Department of Environment

Ministère de l'Environnement

Wildlife Destruction Authorization Form

In accordance with section 25 of the *Wildlife Act*,

I, Bradley McInnes, a Conservation Officer in Nunavut,

authorize AEM Environmental Tech of Agnico Eagle Mine,

(Name of Person) (Address of Person)

to destroy the following wildlife:

Species: 2 Wolves

Location: Meadowbank

Reason wildlife is to be destroyed: 2 wolves in camp

Equipment to be used to destroy the wildlife: Firearm

Officer Signature

Conservation Officer III

Position

December 17, 2024.

Date

APPENDIX E

Helicopter Flights

Table E-1: Helicopter Flights

Range Length	Season	Aircraft	Date	Flight Report Number	Flight Leg	Flight Code	Flight Type	Low Flight Permissible?	Mean Height Lower Than Restriction?	Comment Justification for Low Flight	Mean Height Above Ground (m)
Short-Range	Summer	FNDN	2025-06-11	926683	4	PaxLoc	Passenger	No	Yes	No Reason	24.7
Short-Range	Summer	FNDN	2025-06-15	929328	2	PaxLoc	Passenger	No	No	N/A	428.9
Short-Range	Summer	FNDN	2025-06-15	929328	3	PaxLoc	Passenger	No	No	N/A	578.5
Short-Range	Summer	FNDN	2025-06-17	930842	3	PaxLoc	Passenger	Yes	Yes	Weather	30.0
Short-Range	Summer	FNDN	2025-06-17	930842	5	PaxLoc	Passenger	Yes	Yes	Weather	45.7
Short-Range	Summer	FNDN	2025-06-18	931725	2	PaxLoc	Passenger	No	Yes	No Reason	29.5
Short-Range	Summer	FNDN	2025-06-19	932477	1	PaxLoc	Passenger	Yes	Yes	Weather	61.2
Short-Range	Summer	FNDN	2025-06-21	933946	4	PaxLoc	Passenger	No	Yes	No Reason	31.1
Short-Range	Summer	FNDN	2025-06-29	940235	3	PaxLoc	Passenger	No	No	N/A	370.4
Short-Range	Summer	FNDN	2025-06-30	940968	1	PaxLoc	Passenger	No	No	N/A	366.4
Short-Range	Summer	FNDN	2025-07-01	942008	2	PaxLoc	Passenger	Yes	Yes	Reconnaissance	120.4
Short-Range	Summer	FNDN	2025-07-02	942693	4	PaxLoc	Passenger	No	Yes	No Reason	225.5
Short-Range	Summer	FNDN	2025-07-08	947902	1	PaxLoc	Passenger	Yes	Yes	Reconnaissance	154.5
Short-Range	Summer	FNDN	2025-07-13	951751	3	PaxLoc	Passenger	No	No	N/A	498.4
Short-Range	Summer	FNDN	2025-07-13	951751	6	PaxLoc	Passenger	No	Yes	No Reason	233.0
Short-Range	Summer	FNDN	2025-07-13	951751	7	PaxLoc	Passenger	No	No	N/A	463.1
Short-Range	Summer	FNDN	2025-07-13	951751	8	PaxLoc	Passenger	No	No	N/A	365.6
Short-Range	Summer	FNDN	2025-07-14	952486	1	PaxLoc	Passenger	No	No	N/A	393.8
Short-Range	Summer	FNDN	2025-07-14	952486	10	PaxLoc	Passenger	No	No	N/A	343.1
Short-Range	Summer	FNDN	2025-07-15	953463	1	PaxLoc	Passenger	No	No	N/A	441.0
Short-Range	Summer	FNDN	2025-07-15	953463	2	PaxLoc	Passenger	No	No	N/A	431.4
Short-Range	Summer	FNDN	2025-07-15	953463	5	PaxLoc	Passenger	No	Yes	No Reason	120.4
Short-Range	Summer	FPOQ	2025-08-12	976478	2	Paxloc	Passenger	No	Yes	No Reason	100.8
Short-Range	Summer	FPOQ	2025-08-12	976478	2	Paxloc	Passenger	No	Yes	No Reason	100.8
Short-Range	Summer	FPOQ	2025-08-12	976478	3	Reposition	Slinging	Yes	Yes	No Reason	78.0
Short-Range	Summer	FPOQ	2025-08-12	976478	4	Paxloc	Passenger	No	Yes	No Reason	118.0
Short-Range	Summer	FPOQ	2025-08-12	976478	5	Paxloc	Passenger	No	Yes	No Reason	91.6
Short-Range	Summer	FPOQ	2025-08-12	976478	7	Paxloc	Passenger	No	Yes	No Reason	97.4
Short-Range	Summer	FPOQ	2025-08-15	978884	4	Paxloc	Passenger	No	Yes	No Reason	50.4
Short-Range	Summer	FPOQ	2025-08-15	978884	9	Paxloc	Passenger	No	Yes	No Reason	53.9
Short-Range	Summer	FPOQ	2025-08-16	979569	6	Paxloc	Passenger	No	Yes	No Reason	44.5
Short-Range	Summer	FPOQ	2025-08-16	979569	8	Paxloc	Passenger	No	Yes	No Reason	65.7
Long-Range	Summer	FNDN	2025-06-09	925207	1	Ferry	Ferry	No	Yes	No Reason	648.9
Long-Range	Summer	FNDN	2025-06-09	925207	2	Ferry	Ferry	No	No	N/A	798.8
Long-Range	Summer	FNDN	2025-06-11	926683	1	Paxloc	Passenger	Yes	Yes	Environmental Survey	208.8

Table E-1: Helicopter Flights

Range Length	Season	Aircraft	Date	Flight Report Number	Flight Leg	Flight Code	Flight Type	Low Flight Permissible?	Mean Height Lower Than Restriction?	Comment Justification for Low Flight	Mean Height Above Ground (m)
Long-Range	Summer	FNDN	2025-06-11	926683	2	Paxloc	Passenger	Yes	Yes	Environmental Survey	34.9
Long-Range	Summer	FNDN	2025-06-14	928526	5	PaxLoc	Passenger	No	No	N/A	689.3
Long-Range	Summer	FNDN	2025-06-17	930842	2	PaxLoc	Passenger	Yes	Yes	Weather	81.4
Long-Range	Summer	FNDN	2025-06-17	930842	7	PaxLoc	Passenger	No	No	N/A	690.2
Long-Range	Summer	FNDN	2025-06-18	931725	1	PaxLoc	Passenger	No	No	N/A	731.7
Long-Range	Summer	FNDN	2025-06-18	931725	6	PaxLoc	Passenger	No	Yes	No Reason	590.7
Long-Range	Summer	FNDN	2025-06-20	933411	1	PaxLoc	Passenger	No	Yes	No Reason	609.6
Long-Range	Summer	FNDN	2025-06-20	933411	5	PaxLoc	Passenger	No	No	N/A	748.3
Long-Range	Summer	FNDN	2025-06-21	933946	1	PaxLoc	Passenger	Yes	Yes	Weather	514.8
Long-Range	Summer	FNDN	2025-06-21	933946	5	PaxLoc	Passenger	No	No	N/A	680.5
Long-Range	Summer	FNDN	2025-06-21	933946	6	PaxLoc	Passenger	No	No	N/A	691.6
Long-Range	Summer	FNDN	2025-06-21	933946	8	PaxLoc	Passenger	No	No	N/A	682.2
Long-Range	Summer	FNDN	2025-06-22	934640	1	PaxLoc	Passenger	Yes	Yes	Weather	94.5
Long-Range	Summer	FNDN	2025-06-22	934640	2	PaxLoc	Passenger	Yes	No	Weather	661.2
Long-Range	Summer	FNDN	2025-06-22	934640	5	PaxLoc	Passenger	No	No	N/A	696.2
Long-Range	Summer	FNDN	2025-06-22	934640	6	PaxLoc	Passenger	No	No	N/A	720.9
Long-Range	Summer	FNDN	2025-06-22	934640	7	PaxLoc	Passenger	No	Yes	No Reason	513.3
Long-Range	Summer	FNDN	2025-06-24	936381	1	PaxLoc	Passenger	No	Yes	No Reason	486.6
Long-Range	Summer	FNDN	2025-06-24	936381	3	PaxLoc	Passenger	No	Yes	No Reason	609.5
Long-Range	Summer	FNDN	2025-06-25	937089	1	PaxLoc	Passenger	Yes	Yes	Weather	590.9
Long-Range	Summer	FNDN	2025-06-25	937089	3	PaxLoc	Passenger	No	No	N/A	671.2
Long-Range	Summer	FNDN	2025-06-27	939029	1	PaxLoc	Passenger	No	No	N/A	782.5
Long-Range	Summer	FNDN	2025-06-27	939029	2	PaxLoc	Passenger	No	No	N/A	694.5
Long-Range	Summer	FNDN	2025-06-28	939588	1	PaxLoc	Passenger	No	Yes	No Reason	562.4
Long-Range	Summer	FNDN	2025-06-28	939588	2	PaxLoc	Passenger	Yes	Yes	Environmental Survey	43.9
Long-Range	Summer	FNDN	2025-06-28	939588	6	PaxLoc	Passenger	Yes	Yes	Environmental Survey	566.8
Long-Range	Summer	FNDN	2025-06-28	939588	7	PaxLoc	Passenger	No	No	N/A	691.7
Long-Range	Summer	FNDN	2025-06-29	940235	2	PaxLoc	Passenger	Yes	No	Environmental Survey	674.2
Long-Range	Summer	FNDN	2025-07-01	942008	1	PaxLoc	Passenger	Yes	Yes	Reconnaissance	513.8
Long-Range	Summer	FNDN	2025-07-01	942008	5	PaxLoc	Passenger	Yes	Yes	Reconnaissance	563.4
Long-Range	Summer	FNDN	2025-07-02	942693	2	PaxLoc	Passenger	No	Yes	No Reason	614.5
Long-Range	Summer	FNDN	2025-07-03	943610	1	PaxLoc	Passenger	No	Yes	No Reason	301.6
Long-Range	Summer	FNDN	2025-07-03	943610	8	PaxLoc	Passenger	No	Yes	No Reason	585.2
Long-Range	Summer	FNDN	2025-07-04	944711	1	PaxLoc	Passenger	No	Yes	No Reason	615.3
Long-Range	Summer	FNDN	2025-07-04	944711	2	PaxLoc	Passenger	No	Yes	No Reason	618.8
Long-Range	Summer	FNDN	2025-07-05	945406	1	PaxLoc	Passenger	No	No	N/A	661.3
Long-Range	Summer	FNDN	2025-07-06	946167	1	PaxLoc	Passenger	No	No	N/A	676.7
Long-Range	Summer	FNDN	2025-07-07	946997	1	PaxLoc	Passenger	No	No	N/A	684.9
Long-Range	Summer	FNDN	2025-07-07	946997	3	PaxLoc	Passenger	No	Yes	No Reason	596.5
Long-Range	Summer	FNDN	2025-07-08	947902	2	PaxLoc	Passenger	No	Yes	No Reason	334.7
Long-Range	Summer	FNDN	2025-07-08	947902	3	PaxLoc	Passenger	No	Yes	No Reason	354.9

Table E-1: Helicopter Flights

Range Length	Season	Aircraft	Date	Flight Report Number	Flight Leg	Flight Code	Flight Type	Low Flight Permissible?	Mean Height Lower Than Restriction?	Comment Justification for Low Flight	Mean Height Above Ground (m)
Long-Range	Summer	FNDN	2025-07-09	948759	1	PaxLoc	Passenger	No	No	N/A	654.6
Long-Range	Summer	FNDN	2025-07-09	948759	4	PaxLoc	Passenger	No	No	N/A	670.7
Long-Range	Summer	FNDN	2025-07-10	949628	1	PaxLoc	Passenger	No	No	N/A	651.0
Long-Range	Summer	FNDN	2025-07-10	949628	2	PaxLoc	Passenger	Yes	Yes	Weather	227.1
Long-Range	Summer	FNDN	2025-07-11	950225	1	PaxLoc	Passenger	Yes	Yes	Reconnaissance	624.1
Long-Range	Summer	FNDN	2025-07-11	950225	3	PaxLoc	Passenger	No	No	N/A	694.1
Long-Range	Summer	FNDN	2025-07-12	950738	1	PaxLoc	Passenger	No	No	N/A	678.5
Long-Range	Summer	FNDN	2025-07-12	950738	3	PaxLoc	Passenger	No	Yes	No Reason	595.9
Long-Range	Summer	FNDN	2025-07-12	950738	4	PaxLoc	Passenger	No	No	N/A	656.6
Long-Range	Summer	FNDN	2025-07-12	950738	5	PaxLoc	Passenger	No	No	N/A	819.0
Long-Range	Summer	FNDN	2025-07-12	950738	7	PaxLoc	Passenger	No	No	N/A	760.7
Long-Range	Summer	FNDN	2025-07-12	950738	8	PaxLoc	Passenger	No	No	N/A	681.4
Long-Range	Summer	FNDN	2025-07-13	951751	1	PaxLoc	Passenger	No	Yes	No Reason	373.1
Long-Range	Summer	FNDN	2025-07-13	951751	2	PaxLoc	Passenger	No	Yes	No Reason	437.2
Long-Range	Summer	FNDN	2025-07-14	952486	2	PaxLoc	Passenger	No	Yes	No Reason	516.8
Long-Range	Summer	FNDN	2025-07-14	952486	4	PaxLoc	Passenger	No	Yes	No Reason	620.1
Long-Range	Summer	FPOQ	2025-08-11	975577	1	Ferry	Ferry	No	Yes	No Reason	117.8
Long-Range	Summer	FPOQ	2025-08-13	978347	2	Paxloc	Passenger	No	Yes	No Reason	131.4
Long-Range	Summer	FPOQ	2025-08-13	978347	3	Paxloc	Passenger	No	Yes	No Reason	104.0
Long-Range	Summer	FPOQ	2025-08-14	978350	2	Paxloc	Passenger	Yes	Yes	Weather	186.8
Long-Range	Summer	FPOQ	2025-08-14	978350	3	Paxloc	Passenger	Yes	Yes	Weather	154.9
Long-Range	Summer	FPOQ	2025-08-14	978350	4	Paxloc	Passenger	Yes	Yes	Weather	280.9
Long-Range	Summer	FPOQ	2025-08-15	978884	1	Paxloc	Passenger	No	Yes	No Reason	116.9
Long-Range	Summer	FPOQ	2025-08-15	978884	2	Paxloc	Passenger	No	Yes	No Reason	116.1
Long-Range	Summer	FPOQ	2025-08-15	978884	5	Paxloc	Passenger	No	Yes	No Reason	122.4
Long-Range	Summer	FPOQ	2025-08-15	978884	7	Paxloc	Passenger	No	Yes	No Reason	151.8
Long-Range	Summer	FPOQ	2025-08-15	978884	8	Paxloc	Passenger	No	Yes	No Reason	100.8
Long-Range	Summer	FPOQ	2025-08-15	978884	10	Paxloc	Passenger	No	Yes	No Reason	92.7
Long-Range	Summer	FPOQ	2025-08-16	979569	1	Paxloc	Passenger	No	Yes	No Reason	135.7
Long-Range	Summer	FPOQ	2025-08-16	979569	2	Paxloc	Passenger	No	Yes	No Reason	103.0
Long-Range	Summer	FPOQ	2025-08-16	979569	3	Paxloc	Passenger	No	Yes	No Reason	222.2
Long-Range	Summer	FPOQ	2025-08-16	979569	4	Paxloc	Passenger	No	Yes	No Reason	336.1
Long-Range	Summer	FPOQ	2025-08-16	979569	7	Paxloc	Passenger	No	Yes	No Reason	84.4
Long-Range	Summer	FPOQ	2025-08-16	979569	9	Paxloc	Passenger	No	Yes	No Reason	115.3
Long-Range	Summer	FPOQ	2025-08-17	980150	1	Paxloc	Passenger	Yes	Yes	Environmental Survey	140.6
Long-Range	Summer	FPOQ	2025-08-17	980150	2	Paxloc	Passenger	Yes	Yes	Environmental Survey	143.6

APPENDIX F

Remote Camera Study Design

TECHNICAL MEMORANDUM

DATE October 28, 2025 **Project No.** CA0055337.7557-MBK2025_014-TM-Rev2

TO Eric Haley
Agnico Eagle Mines Limited

CC Robin Allard, Marie-Pier Marcil, Corey De Le Mare, Charity Beres

FROM Jennifer Foca, Dan Coulton **EMAIL jennifer.foca@wsp.com**

2025 REMOTE CAMERA STUDY DESIGN

1 INTRODUCTION

This technical memorandum outlines a standard protocol for the new remote camera program based on collaboration with the Terrestrial Advisory Group (TAG; Agnico Eagle 2024), including new camera program objectives and camera coverage on both the Whale Tail Haul Road (WTHR) and All-Weather Access Road (AWAR). The primary objective of this new study design is to quantify daily traffic rates on the AWAR and WTHR, the secondary objective will be to estimate duration of convoys, and the tertiary objective will be to examine caribou crossings in relation to vehicle traffic. The traffic dataset will be produced in a way that is compatible with other temporal datasets, as discussed during TAG meeting #24 (Agnico Eagle 2025a). The remote camera program is part of the on-site caribou monitoring program and will be included in future iterations of the Terrestrial Ecosystem Management Plan (TEMP V9; Agnico Eagle 2025b).

2 OVERVIEW AND BACKGROUND INFORMATION

The Agnico Eagle Mines Limited (Agnico Eagle) Meadowbank Complex (the Project) is located in the Kivalliq Region of Nunavut (Project Certificate No. 004 from the Nunavut Impact Review Board [NIRB]). The AWAR is approximately 107 km long and connects the Meadowbank Mine to the community of Baker Lake, Nunavut. The Whale Tail Mine, an extension of the Meadowbank Mine, received a Project Certificate No. 008 from NIRB in 2018. Permitting to expand the Whale Tail operation and extend the Mine life to 2028 was approved in August 2024. The WTHR is approximately 65 km in length and connects the Meadowbank Mine to the Whale Tail Mine.

Barren-ground caribou cross the WTHR during spring and fall migrations to reach calving and wintering areas, respectively (Golder 2016). As a commitment during the Whale Tail Expansion Project review phase (Commitment #8), a caribou crossing analysis was completed for the WTHR to inform on potential areas where physical parameters might be modified to improve caribou passage (Golder 2019a). This analysis considered caribou collar data, Meadowbank Mine monitoring data, and Traditional Knowledge on caribou migration through the area. Camera studies were then considered as a means to observe caribou-road interactions. Motion-triggered cameras have been in use for wildlife research for many years (Cutler and Swann 1999), and their use has increased in recent years as the technology has become more affordable and accessible. The use of remote cameras along roads to monitor various activities, including wildlife activity, is becoming more common (Noel et al. 2006; Braden et al. 2008; Dunne and Quinne 2009). The advantage of remote camera over methods such as track counts, radio

telemetry and visual and drive-by surveys is that remote cameras can be deployed year-round with minimal invasiveness to wildlife, whereas the other methods can often be tied down to ‘snapshots in time’ or limited in visual area observed or require capturing animals (e.g., telemetry).

The initial remote camera study design (October 2018 to November 2019) was intended to collect general trends on caribou crossing events and traffic or road activities on the WTHR that would be used to inform fine scale traffic mitigation (Appendix A of Golder 2019b). An updated study design was implemented in November 2019, to examine the permeability of the WTHR to caribou movement as those interactions relate to the physical parameters of the road (i.e., backfill height, slope, and material grain size; Golder 2019b) per Commitment #8 as noted previously. The 2019 to 2022 remote camera data were previously analyzed for the 2020, 2021, 2022, and 2023 Wildlife Monitoring Summary Reports (Golder 2021, 2022, WSP 2023, 2024). The results of this program did not detect any strong influences related to the physical parameters of the WTHR, though sample sizes of camera locations were limited.

Capturing caribou on remote cameras in the Arctic is challenging as the motion trigger to record images of caribou is limited to 30 m and results in a low probability of detecting caribou, which is evident in low detections of caribou in previous Project camera studies (Golder 2021, 2022, WSP 2023, 2024). Due to the low probability of detecting caribou road interactions compared to other methods (e.g., road surveys, GPS collars), and the fact that remote camera programs have a delay between when data are collected versus when images are available, the previous remote camera program was deemed unlikely to contribute to adaptive management. Additionally, methods such as in-person behavioural surveys are more effective for directly observing caribou behavioural responses to vehicle traffic (ERM 2025). The TAG recommended that remote cameras may be more effective for providing insight into the frequency and the amount of time between Mine-related traffic (e.g., one or more vehicles, convoys, etc.) and caribou crossing events (Agnico Eagle 2024). Thus, the new objectives for the camera program were developed in collaboration with the TAG (Agnico Eagle 2024), with the primary objective of quantifying vehicle traffic, the secondary objective of estimating convoy duration, and the tertiary objective of capturing photos of caribou interacting with roads and/or traffic. It was acknowledged by the TAG that the primary objective will be prioritized in the study design (Agnico Eagle 2024).

3 2025 REMOTE CAMERA STUDY DESIGN

Remote cameras are to be deployed year-round, with regular visits to complete photo downloads and maintenance. Remote camera effort is determined as the number of days a camera is operational and taking at least one timed photo per day. Information on site selection is presented in Section 3.2. Procedures for software settings for camera and memory card settings, time settings, data recording and additional instructions on camera setup are provided in the Technical Procedures in Appendix A.

3.1 Equipment

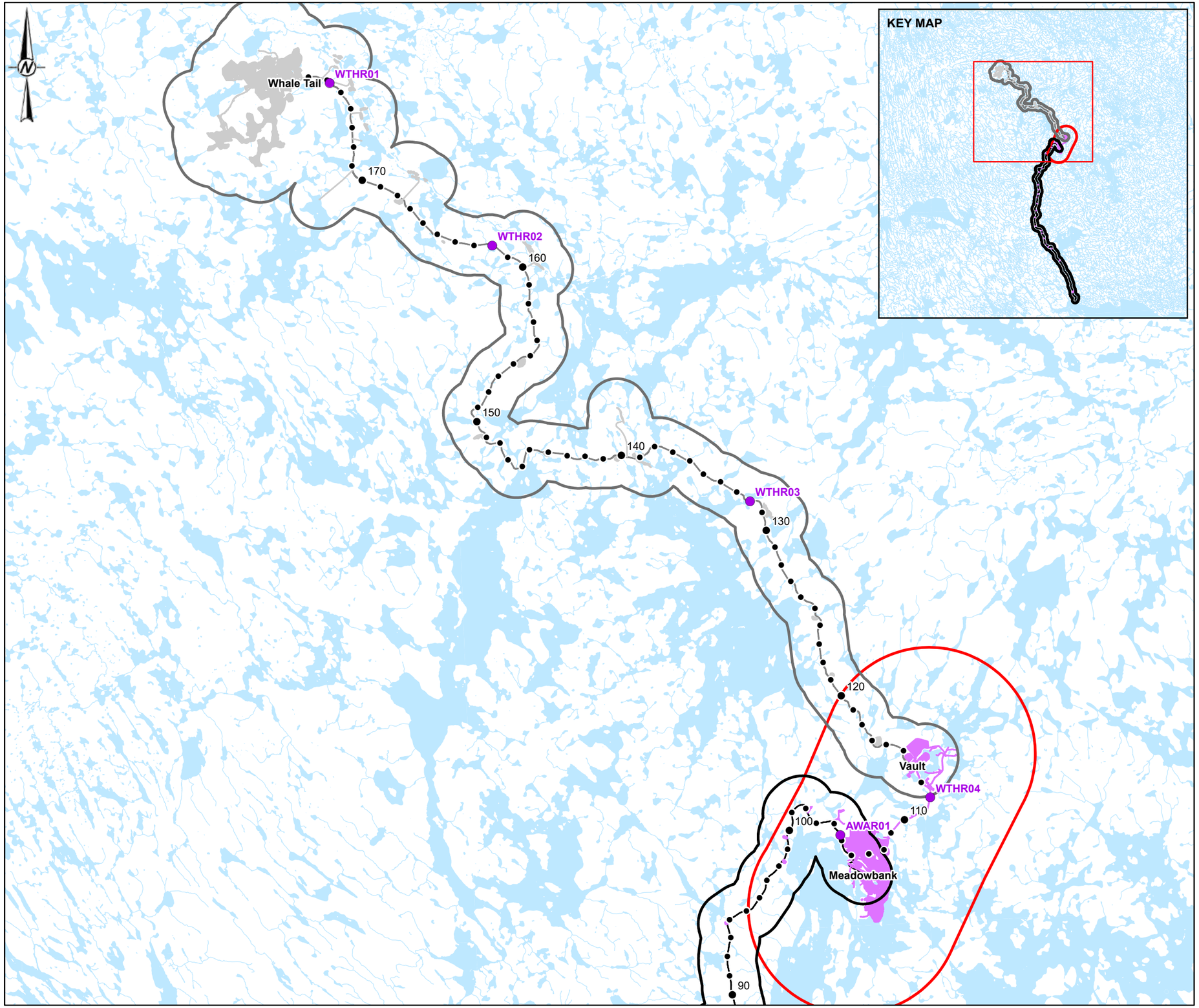
- Eight Reconyx HyperFire 2 Professional Covert IR Camera OD Green cameras
- Sixteen 32GB Reconyx-certified SD memory cards (2 per camera)
- Lithium batteries (AA size – 12 per camera)
- Data sheets for camera deployment, maintenance checks, and retrieval

3.2 Camera Monitoring Locations

To meet the primary study design objective, remote cameras will now be deployed individually rather than in pairs to maximize spatial coverage of traffic using the AWAR and WTHR. The first and last camera on each of the roads were placed near the ends of the road in order to effectively capture traffic traveling along the length of both the AWAR and WTHR. Additional considerations for adjustments to camera locations included selecting areas less likely to result in theft (e.g., the gate house), as well as research completed for the previous study designs such as Traditional Knowledge on caribou migration, road survey data, and more recent caribou GPS telemetry data (Golder 2019b). The 2025 remote camera locations are presented in Table 1 and shown on Figure 1 for the WTHR and Figure 2 for the AWAR.

Table 1: Proposed Camera Locations for Meadowbank Remote Camera Study, 2025

Remote Camera Label	KM Location Reference	UTM Coordinates (NAD83; Zone 14W)	
		Easting	Northing
AWAR01	105	636766	7216336
AWAR02	64	626193	7187198
AWAR03	37	630915	7164788
AWAR04	5	644882	7139724
WTHR01	176	610275	7255320
WTHR02	162	618711	7246904
WTHR03	132	632076	7233648
WTHR04	112	641427	7218286



LEGEND

- REMOTE CAMERA LOCATION
- KILOMETRE MARKER
- AWAR LOCAL STUDY AREA (LSA)
- WTHR LOCAL STUDY AREA (LSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WHALE TAIL MINE SITE
- WHALE TAIL HAUL ROAD
- MEADOWBANK MINE SITE
- ALL WEATHER ACCESS ROAD
- WATERBODY
- WATERCOURSE

0 4,000 8,000

1:200,000 METRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.
COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 CAMERA DESIGN STUDY

TITLE

PROPOSED REMOTE CAMERA LOCATIONS ALONG THE WHALE TAIL HAUL ROAD, 2025

CONSULTANT

wsp

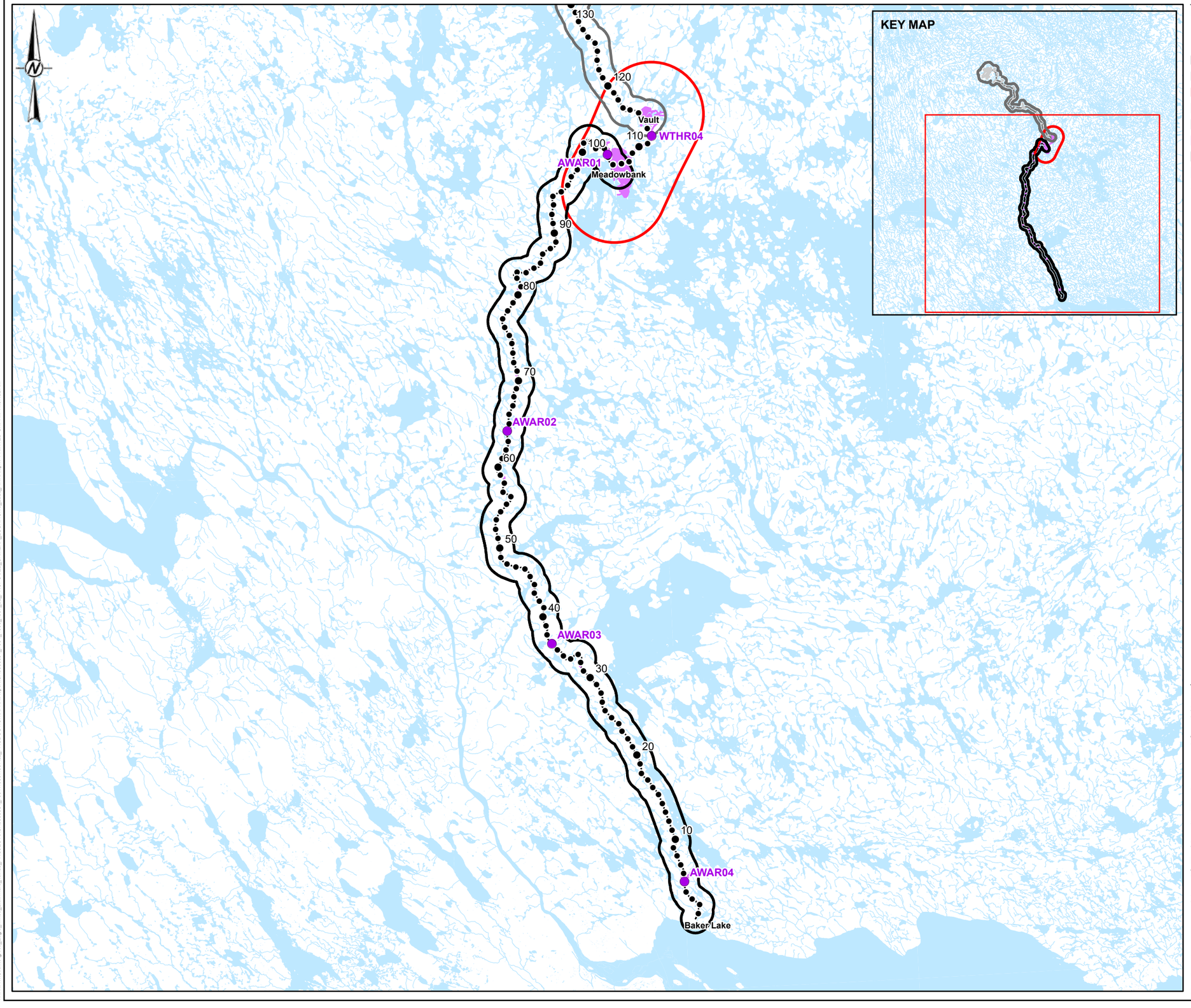
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DESIGNED	JF
PREPARED	CDB
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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KEY MAP

LEGEND

- REMOTE CAMERA LOCATION
- KILOMETRE MARKER
- AWAR LOCAL STUDY AREA (LSA)
- WTHR LOCAL STUDY AREA (LSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WHALE TAIL MINE SITE
- WHALE TAIL HAUL ROAD
- MEADOWBANK MINE SITE
- ALL WEATHER ACCESS ROAD
- WATERBODY
- WATERCOURSE

0 8,000 16,000

1:400,000 METRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.

COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
2025 CAMERA DESIGN STUDY

TITLE

PROPOSED REMOTE CAMERA LOCATIONS ALONG THE ALL-WEATHER ACCESS ROAD, 2025

CONSULTANT

wsp

YYYY-MM-DD	2025-07-22
DESIGNED	JF
PREPARED	CDB
REVIEWED	JF
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
CA0039984.7604	4000/4007	0	2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

25mm

0

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3.3 Camera Deployment and Settings

The cameras will be deployed by Agnico Eagle technicians. At each location (Section 3.2) one camera will be placed at a 45° angle to the WTHR or AWAR (i.e., recording observations of both vehicles and of caribou crossing the roads) (Figure 3). Cameras will be placed in close proximity to the WTHR or AWAR (within 5 m, approximately 1.5 m above ground level). This configuration provides a field of view that will capture road traffic and caribou interactions with the WTHR or AWAR. Where possible, cameras should be positioned facing NE, NW, or N to avoid sun glare. Camera timing will be set to the continuous motion-triggered setting, with additional timed interval photos once per day at noon (12:00 PM).

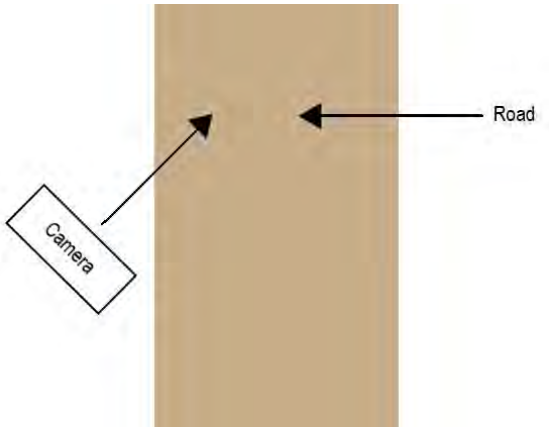


Figure 3: Example of 2025 Camera Positioning to Capture Whale Tail Haul Road (WTHR) and All-Weather Access Road (AWAR) Traffic and Caribou

3.4 Camera Maintenance and Data Downloads

Maintenance checks and data downloads will occur at least every one to two months by Agnico Eagle technicians. Camera integrity and battery life will be checked during each maintenance visit. Additionally, the 32 GB memory cards will also be downloaded during each maintenance visit. The easiest way for crews to download the data is to have duplicate SD cards for the cameras and switch them out periodically. Memory cards must be of a certain type (speed and size) and programmed to properly function in the camera (see Appendix A and the HyperFire Instruction Manual). If cameras require repair or replacement, they should be re-deployed at the earliest opportunity to minimize data loss.

3.5 Photo Processing and Quality Assurance/Quality Control (QA/QC)

An automated approach using artificial intelligence classification will be used to classify the photos collected. MegaDetector is a model trained with a large amount of data and is able to detect vehicles and wildlife at various distances within the camera field-of-view. Bounding boxes with probability, coordinates, and class (animal, vehicle, or human) is applied to images. False detections of static objects (i.e., stones) will be removed by comparing coordinates of objects between sequential images and allowed 5% deviation in the coordinates. False detections from bad weather or flags in front of camera are removed by checking for large (60%-80% of FOV) bounding box size on images. Additional false detections from flags, far away, or the sun are removed through use of a custom Yolo model and comparison of bounding boxes.

After MegaDetector completes classification, further classification of photos will be required to collect information on vehicle type and any wildlife species photographed. Vehicle counts will be summarized based on counts of vehicles recorded by MegaDetector. Agnico Eagle is working on AI options for automatic classification of different vehicle types and convoy information, and progress will be shared with the TAG. The QA/QC process will consist of 1% of photos classed as vehicle being reviewed.

Wildlife counts will be determined during manual classification by counting the number of individuals per detection event. For a particular species event, additional photos will not be counted until an hour had passed or until there is a distinguishable difference between separate individuals triggering the camera. The QA/QC process will consist of 10% of photos classed as animal being reviewed.

3.6 Data Transfer

Data downloads from the remote cameras will be completed by Agnico Eagle technicians and saved on Agnico Eagle's computer systems. It is recommended that, at a minimum, downloaded data be transferred to WSP every quarter of any given year (e.g., January, April, July, and October).

3.7 Data Analysis and Reporting

The traffic dataset will be prepared in a way that is compatible with other temporal datasets as discussed during TAG meeting #24 (Agnico Eagle 2025a). Specifically, vehicle detection events will include time stamp information in addition to vehicle counts per event, which can then be linked to the spatial or temporal attributes of wildlife events. For reporting purposes, vehicle detections will be summarized across detection events per day so that daily vehicle rates are available at each location for each camera active day. Vehicle detection rates will also be summarized by month to facilitate comparisons with species detection rates. The number of active months for each camera will be calculated as follows:

*number of months = (number of active days/365 days) * 12 months*

Species detections are defined as the number of individual observations for a given species or group. A photo rate will be calculated for each species recorded and will be used as a metric for species relative abundance. A photo rate will be determined for each species photographed. The photo rate is the number of detections of a given species divided by the camera station sampling effort in months.

Analyses will primarily focus on quantifying and visualizing vehicle detection rates on both the AWAR and WTHR throughout the year, including comparisons of traffic rates during periods of closure. For the second objective, methods will be evaluated for quantifying convoy duration using the AI processed photos. A subset of convoys will be selected from the convoy log and found within the photo dataset at start and end cameras. Once the convoy photos are identified, start and end times will be used to estimate convoy duration. Lastly, caribou road interactions will be quantified to investigate caribou-road interactions by season and in relation to daily traffic rates. Because cameras are only triggered within 30 m, data analyses and conclusions that can be drawn from these data may be limited because caribou photos recorded by previous programs have been infrequent.

Results of the remote camera monitoring program will be reported as part of the TEMP Annual Report to the Nunavut Impact Review Board (NIRB), in compliance with Project Certificate No.008 Terms and Conditions and its respective amendments.

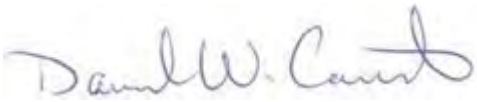
4 CLOSURE

We trust that this submission meets your current requirements. If you have any questions regarding the contents of this memorandum, please contact the undersigned.

WSP Canada Inc.



Jennifer Foca, MSc
Senior Wildlife Biologist



Dan Coulton, PhD, RPBio
Principal, Wildlife Biologist

JF/DC/jp/jr

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APPENDIX A

Specific Work Instructions and Technical Procedures

REMOTE CAMERA PROTOCOL – WHALE TAIL HAUL ROAD AND ALL-WEATHER ACCESS ROAD

A-1 PROCEDURES

This section describes the basic procedures for conducting remote camera surveys.

A-1.1 Sampling Intensity/Time

Camera timing will be set to the continuous motion-triggered setting, with additional timed interval photos occurring once per day at noon (12:00 pm).

A-1.2 Reconyx Camera Settings:

Before deployment, memory cards are pre-set to desired settings (see owner's manual) using Reconyx software provided with the camera. Software can be downloaded at the link below:

HyperFire 2 Professional Camera Settings Software

HyperFire Settings

1) HyperFire and HyperFire 2 cameras use standard SD memory cards (SD and SDHC [SD High Capacity] between 4 gigabytes [GB] and 32 GB). HyperFire 2 units are capable of using SDXC (SD Xtended Capacity 32 GB+) memory cards. SD card readers are standard on most computers. Cards with 40MB per second (MB/s) read/write speeds have proved more than acceptable in HyperFire cameras, however, with advancements in SD card technology only 32 GB SD cards with 80 MB/s speeds or greater should be purchased.

2) Check for the most recent version of firmware on the Reconyx website, if the camera is not operating the most recent version, download the firmware update from the Reconyx website. Copy and paste the .bin file onto the memory card. Download the firmware appropriate for your camera model. The camera's firmware will be updated when the camera is first powered on and will be displayed on the screen prior to displaying the menus. Confirm the firmware has updated by cycling through the main menu to 'Camera Info'.

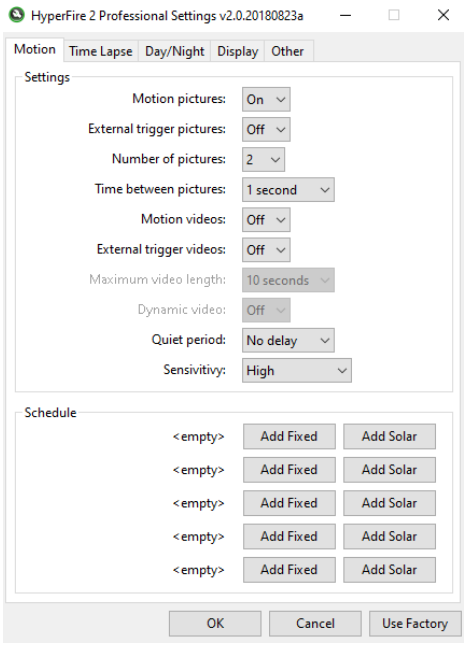
3) Check the date and time; if they are not correct, set date and time on memory cards with the programming software and immediately insert the flash card into the corresponding camera and turn camera on for date/time to become active. If only applying the programmed settings and not date and time, you do not need to immediately insert the card and turn on the camera. Settings will be applied when powered on and will remain active until the card is formatted or new settings are applied.

4) Battery type can be selected on HyperFire cameras. Cycle through main menu to "Battery Type" and change to "Lithium".

5) Most of the important settings (triggers being the most important) can all be adjusted through the camera if necessary. Cycle through main menu to "Change Setup" then select "Quickset Advanced". The "Trigger" and "Date/Time/Temp" will contain the most pertinent settings.

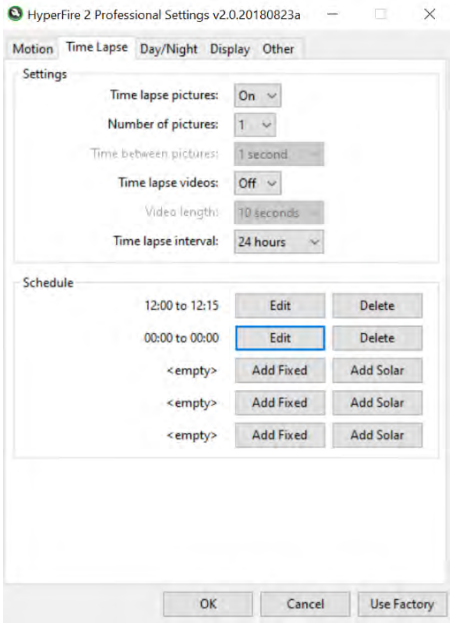
A-1.2.1 Motion Trigger Settings

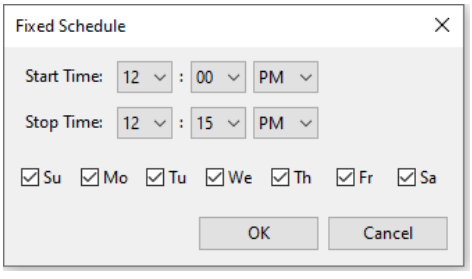
1. Under the “Motion” tab:
    a. Motion pictures: on
    b. External triggers pictures: off
    c. Number of pictures: 2
    d. Time between pictures: 1 second
    e. Motion and external trigger videos: Off
    f. Quiet period: No delay
    g. Sensitivity: High
2. Under the “Display” tab:
    a. Time format: 24 hours
    b. Temperature units: Celsius
    c. Show logo: No



A-1.2.2 Time Lapse Settings

1. Under the “Time Lapse” tab:
    I. Settings:
        a. Time lapse pictures: On
        b. Number of pictures: 1
        c. Time lapse videos: Off
        d. Time lapse interval: 24 hours
    II. Schedule:
        a. Click “Add Fixed”
        b. Start time = 12:00 PM
        c. End time = 12:15 PM
        d. Make sure Sunday through Saturday are all checked off, so all days are included





A-1.3 Camera Setup

Place the cameras about 1 m above the ground at a 45° angle to the road. Cameras are installed on 2 x 4” stands with plywood bases and paint bright orange to increase visibility. If the ground is sloping up from the camera to the photo area, the camera may need to be higher and angled up. The opposite will be required if the ground is sloping downward. The newer models provide activation instruction on the screen once turned on. Conduct a walk test to determine the exposure area. Adjust the camera position as required. Take an initial photo of the Agnico employees to trigger the camera before leaving. Take site photos in all cardinal direction and complete the remote camera deployment sheet.

Camera batteries and memory cards will not need to be changed for some time once installed (at least one to two months), however it will be necessary, given the amount of snow/dust kicked up by traffic of the road, to have field staff periodically (recommend at least twice per week) to clean off cameras – easily done with a brush.

A-1.4 Remote Camera Maintenance

Walk in front of the camera during retrieval to allow a photo to be taken. This is useful for knowing that the camera was functional for the duration of its deployment. This also allows the date and time stamp to be cross-referenced with the datasheet to ensure they are correct.

Check the camera batteries and card capacity and record on the datasheet. Replace SD card, and make sure both the SD card retrieved from the camera and the new SD card going in to the camera are properly labelled (e.g., WTHR01). Replace batteries as required. Readjust camera stand position as needed based on conditions. For example, if a camera was moved out of the deployment position, reposition stand the camera and camera to about 1 m above the ground at a 45° angle to the road.

A-1.5 Recording Data

Fill in all the fields on the datasheet including the Project, Project Number, and Season fields at the top of each datasheet. Most fields are self-explanatory and only some will be discussed:

A-1.5.1 Deployment Datasheet

Plot Name:

- Use remote camera labels for the corresponding camera locations found in Table 1.

UTM Easting & Northing:

Record the actual location of the camera

Plot Photos:

Each plot should be photographed during each deployment in the four cardinal directions. The photo sequence should begin with the filled in datasheet or a GPS displaying the plot information and followed by the view north, east, south and west. The photo numbers should be recorded on the datasheet.

Camera Inventory #:

The camera inventory number is extremely important and is used to determine which photos are associated with each plot once the cameras have been retrieved and the photos downloaded. The camera inventory number is typically written in a permanent marker on top of the camera (e.g., EDM-REC-21; CAL-REC-07 etc;). A few cameras have a number (e.g., 01619) engraved on a metal panel on one of the sides instead.

Diagram:

A diagram illustrating the placement of the photographic station relative to road can be drawn.

A-1.5.2 Retrieval Datasheet

Battery (% or V):

The older camera models indicate remaining battery power in volts meanwhile the newer models display the percent of battery power remaining. Record data accordingly.

Memory (%):

The older camera models indicate the percent free meanwhile the newer models display percent full. On the datasheet, record the percent followed by ‘free’ or ‘full’ accordingly.

Number of Pictures Taken:

Only the newer camera versions display this. Record ‘n/a’ if older model is used.

A-1.6 Administrative Information

Thorough documentation of field activities is required in field notebooks. All notebooks should be perfect-bound and waterproof. Notes should be written in indelible ink.

GPS data should be downloaded to a computer each evening by the field lead and a QA/QC should be conducted on all datasheets. Each datasheet should be passed to a crew member other than the person who recorded the data. This person checks for errors, omissions, or legibility concerns. Datasheets are then corrected in consultation with the recorder of the data, and the QA/QC person initials the datasheet(s) in the designated box.

A-2 Equipment and Materials

Equipment per monitoring station:

- One Reconyx motion-sensitive IR flash digital camera
- 12 AA batteries
- Elastic cable to mount camera
- SD card to replace the card being retrieved
- Camera bases (previously set up using 2 x 4” stand, plywood, bright orange spray paint)

APPENDIX G

Hunter Harvest



MEADOWBANK COMPLEX MINE

FINAL REPORT

2025 HUNTER HARVEST STUDY AND CREEL SURVEY SUMMARY REPORT

Prepared By: Nunavut Environmental Consulting Ltd.

Prepared For: Agnico Eagle Mines ltd.

04 MARCH 2026

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EXECUTIVE SUMMARY

A Baker Lake Hunter Harvest Study (HHS) conducted from 2007 to 2015 was relaunched in 2019 and continued into 2025. Of the 92 participants expressing interest in the 2025 study, contact was made with 80 individuals, of whom 55 reported harvesting Caribou (*Rangifer tarandus*) (Note: some participants were unavailable due to work schedules, travel, and health issues). With an estimated 300 to 350 active hunters in the Hamlet of Baker Lake, the 55 hunters reporting Caribou harvests in 2025 represent from 16 to 18% of the active hunters in the community. With a total reported Caribou harvest of 782 individuals in 2025, the total Caribou harvest in Baker Lake in 2025 was estimated to range from 4,344 to 4,888 Caribou, which is higher than the annual estimated harvest between 1996 and 2001 (2,230 and 3,116; NWMB 2004) but comparable to other years of the HHS.

Compared to the average across other years, Caribou in 2025 was harvested at a lower percentage within 5 km of the Meadowbank All-Weather Access Road (i.e., 34%) and within the Meadowbank Regional Study Area (RSA; i.e., 56%). Harvest levels in 2025 were well within threshold levels established during the impact assessment (i.e., Caribou harvest levels within the Meadowbank RSA). Reported Caribou harvest levels within the Whale Tail RSA were the highest reported to date. According to participants, unusually high numbers of Caribou were present in the area during the winter.

Four (4) Muskox (*Ovibos moschatus*) and 24 Wolverine (*Gulo gulo*) were harvested in 2025. Wolverine harvests were higher than in 2024 and 2023 (i.e., 15 and 18, respectively). A total of 87 Wolves (*Canis lupus*) were reported as harvested in 2025, which is lower than in 2024 (143) but higher than in 2023 (47). Several bird species were harvested in 2025 with ptarmigan (*Lagopus* sp.), Canada Goose (*Branta canadensis*), and Snow Goose (*Anser caerulescens*) the most harvested species. For the fourth year in a row, marine mammals (i.e., Harbour Seal, *Phoca vitulina*, and Ringed Seal, *Pusa hispida*) were reported as being harvested by Baker Lake hunters, but all were harvested outside the HHS boundaries.

Lake Trout (*Salvelinus namaycush*) was the most common fish species caught by fisherman in 2025, with reported numbers (i.e., 627) close to the average for the study from 2007 to 2024 (i.e., 646).

SECTION 1 • OVERVIEW

As outlined in the original TEMP (Cumberland 2006) and March 2025 version 9 (Agnico Eagle 2025), and as a requirement of NIRB Project Certificate No. 004 Terms and Conditions 51 and 54, the Baker Lake Hunter Harvest Study (HHS) was initiated in March 2007 by Agnico Eagle. The HHS was conducted in association with the Baker Lake Hunters and Trappers Association (HTO) to monitor and document the spatial distribution, seasonal patterns, and harvest rates of hunter kills and angler catches within the Meadowbank Regional Study Area (RSA).

After low participation during the first year of the study, methods were strategically adapted, participation increased steadily, and valuable information on harvest patterns in the Baker Lake area was collected. The HHS, through regular visits, contributed to developing a strong relationship with local harvesters, the HTO, and the Government of Nunavut, Department of Environment (GN). Data were provided annually in monitoring reports from 2007 to 2015 and 2019 to 2024.

The HHS was suspended for three years (2016 to 2018) to develop new approaches and direction. Following consultation with the HTO, Kivalliq Inuit Association (KivIA), GN, and other agencies in November 2016 (Winnipeg) and June 2017 (Ottawa), Agnico Eagle reinitiated the HHS in March 2019, which for the first time also encompassed the Whale Tail RSA as part of the Meadowbank Complex. The study approach was similar to previous years, but suggestions and guidance received during the consultation period were incorporated into the study. The revised study was conducted from 2020 to 2025.

SECTION 2 • OBJECTIVES

The primary objectives of the HHS are to monitor potential project-related effects on harvesting of wildlife by residents of Baker Lake. This objective is achieved by estimating the following key metrics:

1. The distribution of Caribou (*Rangifer tarandus*), Muskox (*Ovibos moschatus),* and Wolverine (*Gulo gulo*) harvested by residents of Baker Lake; and
2. The total level (or an index of) Caribou, Muskox, and Wolverine harvested by residents of Baker Lake.

Other objectives of the HHS, established in consultation with the Terrestrial Advisory Group (TAG) and other participants include:

1) Supporting creel surveys by gathering information on Arctic Char (*Salvelinus alpinus*), Lake Trout (*Salvelinus namaycush*), Lake Whitefish (*Coregonus clupeaformis*), and Arctic Grayling (*Thymallus arcticus*) catch rates and fisherman-use patterns in the Baker Lake area;

2) Understanding regional distribution of hunting and fishing activity;

3) Investigating seasonal timing of hunting and fishing activity; and

4) Determining whether increased harvest and catch rates are associated with the Meadowbank All-Weather Access Road (AWAR) and Whale Tail Haul Road (WTHR).

As discussed during consultation with stakeholders, the HHS will further seek to: a) increase and maintain the hunter participant rate in the future of the program; b) improve resource protection; c) improve hunter awareness and education; d) increase the integration of Inuit Qaujimajatuqangit (IQ) and Traditional Knowledge (TK); e) increase availability of data to support a collective approach to understanding wildlife harvest; and f) assist Agnico Eagle in mitigative actions and the GN in management decisions.

SECTION 3 • METHODOLOGY

Wildlife species that are the focus of the HHS are Caribou, Muskox, and Wolverine; however, harvest data on other species, such as Grizzly Bear (*Ursus arctos*), Arctic Wolf (*Canis lupus*), Arctic Fox (*Vulpes lagopus*), geese, and other birds are also collected. The few focal species in the study were deliberately chosen to make data entry and collection as simple as possible. To support creel surveys, data on fish harvest (i.e., Arctic Char, Lake Trout, Lake Whitefish, and Arctic Grayling) are also collected.

Inuit and non-Inuit residents, at least 16 years of age, are eligible to participate in the harvest survey. Harvest calendars are provided on a household basis, rather than an individual basis, to simplify data entry and collection, and reflect household hunting patterns. The harvest calendar is attractive and consists of local photographs of wildlife and Baker Lake residents primarily taken by HHS participants (see **Appendix A).** At the end of the calendar are maps that delineate a 4 km^2 UTM grid within the Baker Lake and Meadowbank Complex areas. Each grid has a unique code to facilitate recording of information. When calendars are issued, participants or participating households are encouraged to write harvest details (e.g., number of animals, sex, age, and location [i.e., grid code]) for the appropriate date on the calendar.

Participants were interviewed in person three times during the year (i.e., June 2025, October 2025, and January 2026) by the harvest study coordinator. During the January 2026 interviews, remaining data from 2025 were collected. The purpose of the interviews is to ensure all harvest data are recorded on the calendars and to collect incidental information to compliment calendar data, including notable Caribou movements, aggregations, and unique observations. Between interview periods, participants were often contacted by phone or social media to encourage recording of harvest data.

Features of the 2025 HHS included: 1) building long-term relationships between participants and researchers; 2) increasing engagement with participants on social media platforms such as Facebook and Instagram; 3) continuing incentives for participating in the study (e.g., gas vouchers and prizes); and 4) providing special prizes for three participants that achieved more than 10 years of participation in the study.

SECTION 4 • HISTORICAL RESULTS

The Baker Lake HTO member list (provided by Ms. Joan Scottie [HTO Board Member] in 2008) consisted of 683 local area hunters/trappers/fishermen, a number that has likely changed since then. The member count in 2008 was a highly conservative (i.e., high) estimate of the number of individuals that hunt, trap or fish in the community as the list typically includes entire families. If just the heads of each household are counted, there were 389 potential hunters within the Baker Lake community in 2008. Although this value is still likely conservative (given that many of these individuals do not actively hunt or fish), the number is comparable to the comprehensive 5-year Nunavut Wildlife Harvest Study (NWMB 2004) in which 336 Baker Lake hunters were contacted and interviewed. Additionally, conversations with HHS participants suggest that the number of active Baker Lake hunters is in the 300 to 350 range.

Between 1996 and 2001, 18% of Caribou harvests were estimated to be within 5 km of the AWAR (prior to construction) and 67% of harvests occurred within the RSA (NWMB 2004). In the first year of the HHS study (2007), prior to completion of the AWAR, 34% of harvests were reported within 5 km of the AWAR alignment and 79% were recorded within the RSA. The HHS data (2007 to 2015 and 2019 to 2024) fluctuated between 30 and 54% of reported harvest within 5 km of the AWAR, and between 62 and 85% within the RSA.

In 2008, 296 Caribou were reported as being harvested by Baker Lake HHS study participants. Harvest numbers steadily increased to 680 in 2011, and then decreased to 269 in 2014, the lowest reported harvest in seven years, and 305 in 2015. Between 2016 and 2018 (3 years) the HHS was not conducted. Total Caribou harvests in 2019 (647 animals) and 2020 (652) were higher than in 2021 (513), lower than in 2022 (766) and 2024 (820), and comparable to 2023 (646). If an average of approximately 20% of all Baker Lake hunters actively participated in the study (5% estimated for 2014), extrapolation of historical HHS values suggests approximately 3,000 to 4,000 Caribou are harvested each year in the Hamlet of Baker Lake. These estimates are in general agreement with historical harvest studies. Specifically, using the upper limit of the standard error in the Nunavut Wildlife Harvest Study (NWMB), between 2,230 and 3,116 Caribou were harvested each year between 1996 and 2001 (NWMB 2004). Similarly, the Interdisciplinary Systems (IDS) report (IDS 1978) estimated an annual Caribou harvest in Baker Lake of 4,100 during the 1970s.

Based on the NWMB (2004) and HHS results (2007 to 2015 and 2019 to 2024), highest Caribou harvests have occurred between August and December with a second smaller peak between March and May. The similar pattern between the studies indicates that seasonal hunting preferences have not changed markedly in the last two decades.

Reported harvests of Muskox and Wolverine were lower than average in 2024 (i.e., 0 and 15 individuals, respectively). Low densities of these species and their general aversion to humans require hunters to hunt well away from the AWAR; therefore, the presence of the AWAR is thought to have little effect on participant hunting patterns for Muskox and Wolverine. Wolverine harvest reports decreased from 15 animals in 2010 to one (1) animal in 2015; however, in 2019, 2020, 2022, and 2023 reported Wolverine harvests were at all-time highs of 18, 22, 25, and 18 individuals, respectively.

SECTION 5 • 2025 HUNTER HARVEST STUDY RESULTS

5.1 NUMBER OF HUNTERS

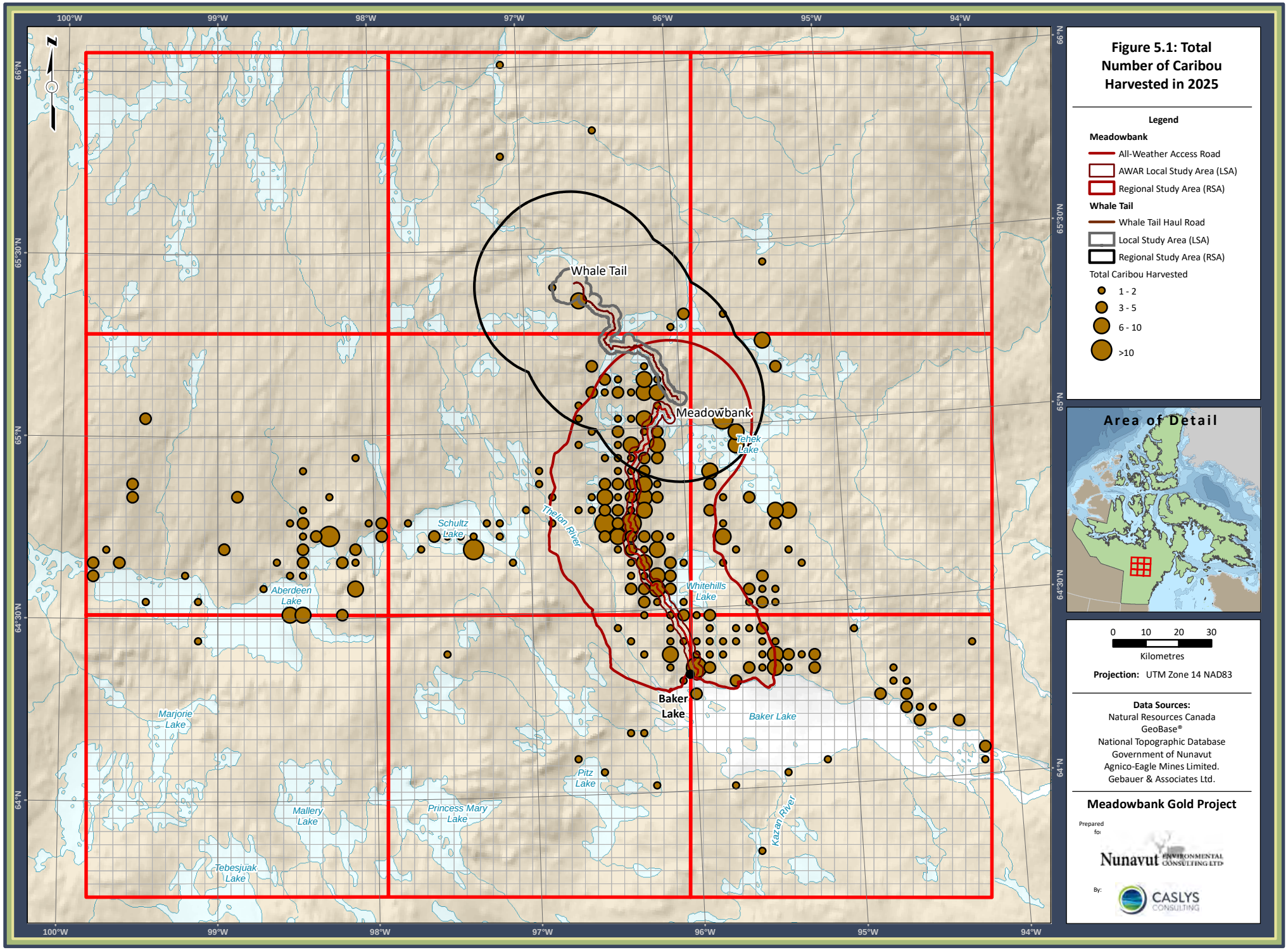
The HHS included 92 interested participants by the end of 2025, although 12 of the participants could not be reached during the study due to work schedules, travel, and/or health issues. The 92 interested participants in 2025 are higher than interested participants in 2024, 2023, and 2022 (i.e., 88, 74, and 65 respectively). Increased numbers in 2025 are because of the higher number of new participants relative to those that have left the study. Of the 2025 participants, Caribou harvest data were collected from 55 participants, which is lower than the 63 participants reporting Caribou harvests in 2023 and the 64 hunters reporting harvests in 2024.

Based on the previous discussion of total numbers of hunters in the Hamlet of Baker Lake (**Section 4 Historical Results**), there were 389 potential hunters within the Baker Lake community in 2008. The number is comparable to the comprehensive 5-year Nunavut Wildlife Harvest Study (NWMB 2004) in which 336 Baker Lake hunters were contacted and interviewed. Discussions with Baker Lake HTO members in 2019 suggest the total number of hunters is over 300.

Given the historical and current number of hunters in Baker Lake, an estimate of 300 to 350 active hunters is used in this analysis. These estimates are supported by conversations with HHS participants regarding the number of active hunters in the Hamlet of Baker Lake. Based on these numbers, the 55 hunters reporting Caribou harvest in 2025 conservatively represent from 16 to 18% of total hunters in the community.

5.2 DISTRIBUTION OF HUNTING

Figure 5.1 shows the distribution of Caribou harvest within the HHS data collection area. Hunting is highly concentrated along the AWAR to part way up the WTHR, around Tehek Lake, in the vicinity of Schulz and Aberdeen lakes, and on the north shore of Baker Lake. Fewer harvests were reported along the southern shore of Baker Lake. Annual variation in harvest location and intensity is attributable to numerous factors. For instance, many hunters have stated during informal discussions that they have a ‘favorite’ hunting area that they frequent each year. Some hunters have stated that they prefer hunting in ‘convenient’ locations, whereas other hunters prefer remote locations well away from frequented areas. A percentage of hunters also enjoyed partaking in long distance hunting trips over multiple days (see Caribou harvests north of the Whale Tail RSA and north of the Thelon River system – **Figure 5.1**).


Figure 5.1: Total Number of Caribou Harvested in 2025
Legend
Meadowbank
All-Weather Access Road
AWAR Local Study Area (LSA)
Regional Study Area (RSA)
Whale Tail
Whale Tail Haul Road
Local Study Area (LSA)
Regional Study Area (RSA)
Total Caribou Harvested
1 - 2
3 - 5
6 - 10
>10
Area of Detail
Whale Tail
Meadowbank
Tehek Lake
Thelon River
Schultz Lake
Aberdeen Lake
Whitehills Lake
Baker Lake
Baker Lake
Marjorie Lake
Pitz Lake
Mallery Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
100°W
99°W
98°W
97°W
96°W
95°W
94°W
66°N
65°30'N
65°N
64°30'N
64°N
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for
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By:
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Between 1996 and 2001, 18% of Caribou harvests were estimated to be within 5 km of the AWAR (prior to construction) and 67% of harvests occurred within the Meadowbank RSA (NWMB 2004). In the first year of the HHS study (2007), prior to completion of the AWAR, 34% of harvests were reported within 5 km of the AWAR alignment and 79% were recorded within the Meadowbank RSA (see **Table 5.1**). The HHS data (2007 to 2015 and 2019 to 2024) fluctuated between 30 and 54% of reported harvest within 5 km of the AWAR, and between 62 and 85% within the Meadowbank RSA. The 2025 HHS data indicated that 34% of reported harvest occurred within 5 km of the AWAR and 56% occurred within the Meadowbank RSA. Although the percentage harvest in the LSA is within ranges observed to date, the percentage harvest within the RSA is the lowest (see **Table 5.1**). As was the case in other years, threshold levels of 20% set for monitoring the effects of the Meadowbank mine development on the distribution of Caribou harvest within the RSA were not exceeded (see **Figure 5.2**). (Note: does not include the Whale Tail mine, which was approved under a separate permit with a different effects assessment).

Table 5.1: Caribou Harvest Distribution along the AWAR and within the Meadowbank LSA and RSA (1996 to 2001 [NWMB], and 2007 to 2015 and 2019 to 2025 [Baker Lake HHS]).

Study	Participation Rate within 5 km of AWAR (% of total hunters)	Average Caribou Harvest within 5 km of AWAR per Participant	% of Annual Harvest within 5 km of AWAR	% of Annual Harvest within Meadowbank LSA	% of Annual Harvest within Meadowbank RSA
NWMB 1996 to 2001	n/a	n/a	18	7	67
Baker Lake HHS 2007	17 (49%)	4.8	34	12	79
Baker Lake HHS 2008	16 (94%)	6.9	37	28	73
Baker Lake HHS 2009	27 (75%)	7.9	36	20	78
Baker Lake HHS 2010	33 (89%)	7.3	38	22	73
Baker Lake HHS 2011	40 (85%)	7.1	42	25	74
Baker Lake HHS 2012	31 (67%)	5.6	35	20	80
Baker Lake HHS 2013	38 (86%)	4.8	43	27	85
Baker Lake HHS 2014	19 (70%)	5.7	40	28	83
Baker Lake HHS 2015	24 (67%)	6.9	54	34	84
Baker Lake HHS 2019	40 (95%)	5.4	34	22	64
Baker Lake HHS 2020	34 (79%)	5.8	30	19	62
Baker Lake HHS 2021	34 (87%)	6.6	43	32	71
Baker Lake HHS 2022	50 (91%)	6.0	39	24	70
Baker Lake HHS 2023	43 (68%)	5.6	37	17	71
Baker Lake HHS 2024	54 (84%)	7.3	48	24	82
Baker Lake HHS 2025	46 (84%)	5.8	34	22	56
Average (2007 to 2024)	33 (79%)	6.2	39	24	75
Average (2007 to 2025)	34 (79%)	6.2	39	24	74

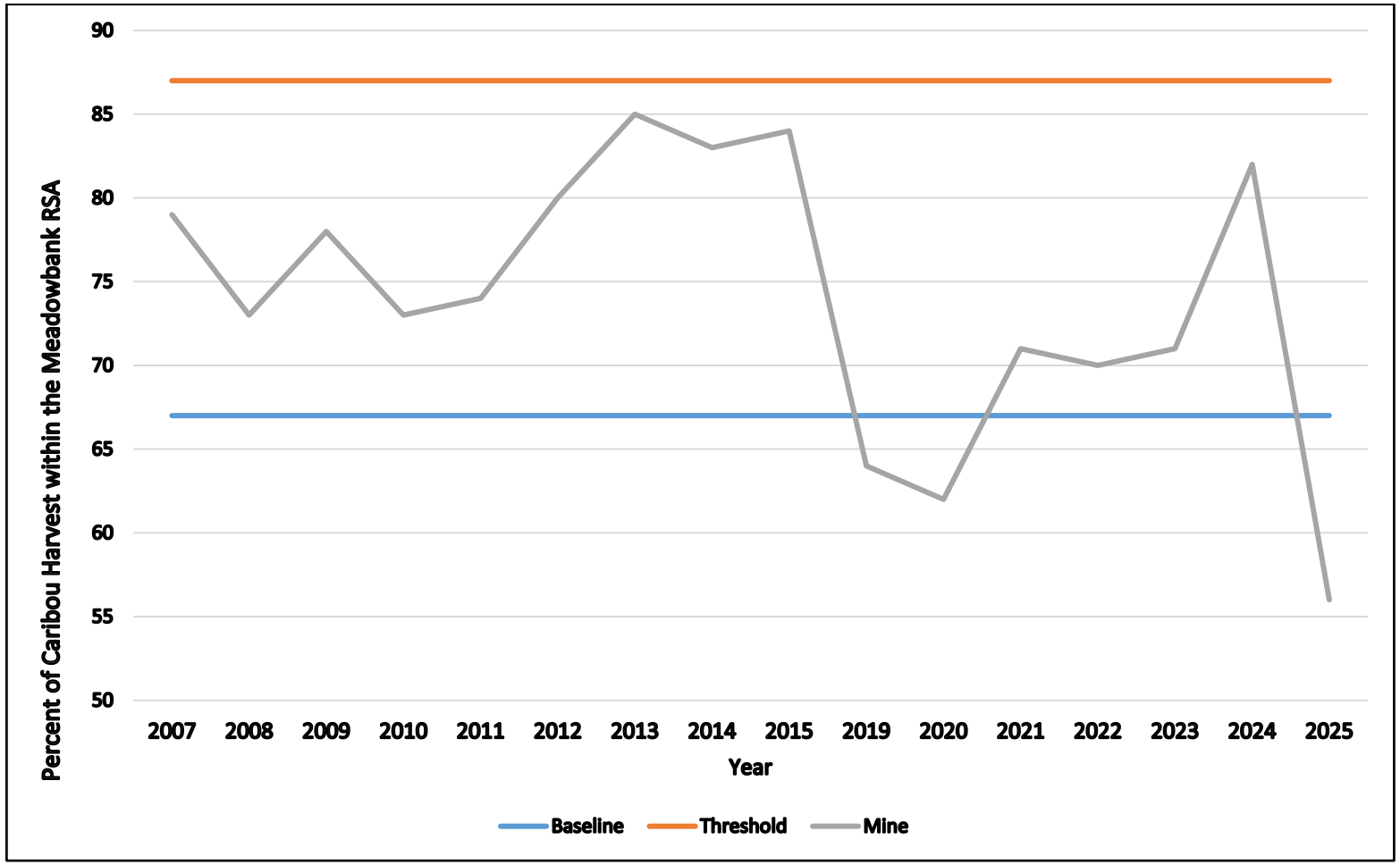


Figure 5.2: Percent of Caribou Harvest within the Meadowbank RSA from 2007 to 2015 (Years 1 to 9), and 2019 to 2025 (Years 10 to 16) Compared to Baseline and Threshold Levels.

In 2025, 38 Caribou were reported as being harvested within 5 km of the WTHR, which compares to no Caribou in 2024, one (1) Caribou harvest in 2023, and no Caribou in 2022 (see **Table 5.2**). Study participants indicated that there were “thousands” of Caribou along the AWAR and WTHR in late 2025 going into 2026, which was not the case in previous years.

Within the Whale Tail RSA (note – overlaps with the Meadowbank RSA), a total of 156 harvests were reported in 2025, which is considerably higher than the 33 harvests reported in 2024 and higher than 2011, when 103 Caribou harvests were reported.

Table 5.2: Caribou Harvest Distribution along the WTHR and within the Whale Tail LSA and RSA (1996 to 2001 [NWMB], and 2007 to 2015 and 2019 to 2025 [Baker Lake HHS]).

Study	Annual Harvest within 5 km of WTHR	Annual Harvest within Whale Tail LSA	Annual Harvest within Whale Tail RSA
NWMB 1996 to 2001	0	0	17
Baker Lake HHS 2007	1	1	1
Baker Lake HHS 2008	0	0	15
Baker Lake HHS 2009	1	0	15
Baker Lake HHS 2010	0	0	20
Baker Lake HHS 2011	0	0	103
Baker Lake HHS 2012	0	0	7
Baker Lake HHS 2013	0	0	16
Baker Lake HHS 2014	0	0	17
Baker Lake HHS 2015	0	0	53
Baker Lake HHS 2019	5	5	85
Baker Lake HHS 2020	0	0	12
Baker Lake HHS 2021	3	3	48
Baker Lake HHS 2022	0	0	34
Baker Lake HHS 2023	1	0	74
Baker Lake HHS 2024	0	0	33
Baker Lake HHS 2025	38	18	156
Average (2007 to 2024)	0.73	0.60	35.53
Average (2007 to 2025)	3.06	1.69	43.06

5.3 MAGNITUDE OF HUNTING

In 2025, a total of 782 Caribou were reported as being harvested by 55 participants in the Baker Lake HHS, which includes harvests in the Meadowbank and Whale Tail study areas (see **Table 5.3**). This reported Caribou harvest is the second highest recorded in the study to date. The number of participants reporting harvests was lower than in 2023 (63 participants) and 2024 (64) and the same as in 2022. Given that the 55 hunters represent an estimated 16 to 18% of the Baker Lake hunting community (see **Section 5.1**), the total estimated number of Caribou harvested in 2025 in the Baker Lake community ranged from 4,344 to 4,888 animals, which is higher than in 2023 (3,076 to 3,589) and 2024 (3,905 to 4,556), comparable to 2022 (i.e., range of 4,256 to 4,788 animals), and higher than historical predictions (NWMB 2004).

According to participants, commercial sport hunting remains a prominent and controversial issue in Baker Lake as are the formal sales of Caribou to the Kivalliq Fish & Meat Plant in Rankin Inlet. This staple income source from sales to the meat plant is utilized by Baker Lake hunters who may load one – or even two – large qamutiks with 10-16 caribou and drive them (snowmobile) to the Rankin Inlet to receive payment. Another issue mentioned by participants is that hunters from Rankin Inlet come to the Baker Lake to hunt Caribou for the meat plant and for private, informal sales to other areas of Nunavut where Caribou hunting is restricted.

Table 5.3: Hunter Caribou Harvest Statistics from the NWMB (2004) Study and Baker Lake HHS (2007 to 2015; 2019 to 2025), which includes the Meadowbank and Whale Tail Areas.

Baker Lake Hunter Harvest Study – Agnico Eagle Mines Ltd.

Year	January	February	March	April	May	June	July	August	September	October	November	December	Yearly Total
2007	0	7	89	22	44	6	6	6	37	14	5	2	238
2008	13	15	14	10	19	14	25	34	56	47	24	25	296
2009	42	52	41	28	28	18	30	88	114	102	11	33	587
2010	27	35	34	66	47	41	46	67	82	117	48	18	628
2011	14	47	64	53	78	39	42	35	123	108	2	75	680
2012	43	30	60	71	41	44	13	19	39	37	72	27	496
2013	5	47	55	28	18	18	20	46	76	40	35	32	420
2014	13	26	20	42	7	11	4	5	43	68	14	16	269
2015	7	9	17	13	6	46	12	8	66	74	35	12	305
2019	7	25	72	86	30	39	17	29	52	187	55	48	647
2020	6	14	8	14	12	16	18	95	119	151	88	111	652
2021	29	27	61	16	44	23	20	54	90	54	39	56	513
2022	35	15	33	29	79	14	28	113	113	219	46	42	766
2023	21	31	25	61	78	24	11	37	61	151	53	93	646
2024	85	67	30	22	35	10	9	48	141	202	110	61	820
2025	64	70	47	100	76	45	19	34	67	74	138	48	782
Total #	411	517	670	661	642	408	320	718	1,279	1,645	775	699	8,745
Average	27.4	32.3	41.9	41.3	40.1	25.5	20.0	44.9	79.9	102.8	48.4	43.7	546.6
% of Total	4.7	5.9	7.7	7.6	7.3	4.7	3.7	8.2	14.6	18.8	8.9	8.0	100

Table 5.3: Continued.

Nunavut Wildlife Harvest Study - Nunavut Wildlife Management Board (NWMB)

Year	January	February	March	April	May	June	July	August	September	October	November	December	Yearly Total
1996						141	190	490	428	435	202	178	2,064
1997	118	144	146	167	217	159	162	354	322	553	295	196	2,833
1998	137	124	192	193	159	85	163	153	272	407	254	135	2,274
1999	137	131	99	211	222	111	148	433	528	409	74	66	2,569
2000	96	86	75	135	213	76	187	333	309	98	186	163	1,957
2001	150	126	146	156	127								705
Total #	638	611	658	862	938	572	850	1,763	1,859	1,902	1,011	738	12,402
Average	127.6	122.2	131.6	172.4	187.6	114.4	170.0	352.6	371.8	380.4	202.2	147.6	2,067
% of Total	5.1	4.9	5.3	7.0	7.6	4.6	6.9	14.2	15.0	15.3	8.2	6.0	100

5.4 SEASONAL DISTRIBUTION AND TIMING OF HUNTING

Based on the NWMB (2004) and inclusive Baker Lake HHS results (2007 to 2015; 2019 to 2025), highest Caribou harvests have occurred between August and December, with a second smaller peak between March and May (see **Figure 5.3**). The similar pattern between the studies indicates that seasonal hunting preferences have not changed markedly in the last decade. More details on the seasonal timing of harvest in 2025 can be found in **Figure 5.4** (i.e., numbers of animals harvested, numbers of participants, and average number of animals harvested by participant by month) and **Figure 5.5** (i.e., Caribou harvest numbers by season and proximity to the access roads).

According to participants, “thousands” of Caribou were present along the AWAR and the WTHR in late 2025 and into 2026. A considerable amount of hunting occurred during the winter and spring when transportation by snowmobile was possible.

The seasonal distribution of hunting is illustrated in **Figures 5.6a** to **5.6d**, representing the spring, summer, fall, and winter Caribou seasons outlined in the TEMP. In spring 2025, overall Caribou hunting in the Meadowbank RSA was high with hunting occurring along the AWAR from Whitehills Lake to north of the Meadowbank Mine, along the Thelon River system, and at the southern end of Tehek Lake (**Figure 5.6a**). Within the Whale Tail RSA, numerous Caribou were harvested in the vicinity of the Meadowbank Mine, which is also within the Whale Tail RSA (**Figure 5.6a**) (see comment above from study participants).

During the summer, low to moderate numbers of Caribou were harvested in the Meadowbank RSA along the AWAR, in the Schulz and Aberdeen lakes area, and along the northeastern shore of Baker Lake (**Figure 5.6b**). Some harvesting occurred along the southern shore of Baker Lake (**Figure 5.6b**). Several Caribou were harvested at the south end of the Whale Tail RSA (**Figure 5.6b**).

In the fall, a considerable amount of hunting occurred with most hunting located east of the Hamlet of Baker Lake, in the Whitehills and Tehek lakes area, and along the AWAR up to near Km 85 (**Figure 5.6c**). A small number of Caribou were reported as being harvested in the southern portion of the Whale Tail RSA in fall 2025 (**Figure 5.6c**).

In winter, Caribou were hunted across a wide area ranging from the west end of Aberdeen Lake to the Whitehill Lake area, to northeast of the Meadowbank Mine (**Figure 5.6d**). Successful hunters travelled further afield by snowmobile (e.g., along the Thelon River to Aberdeen and Schulz lakes). Some Caribou harvests were reported at the south end of the Whale Tail RSA in the vicinity of the Meadowbank Mine (**Figure 5.6d**).

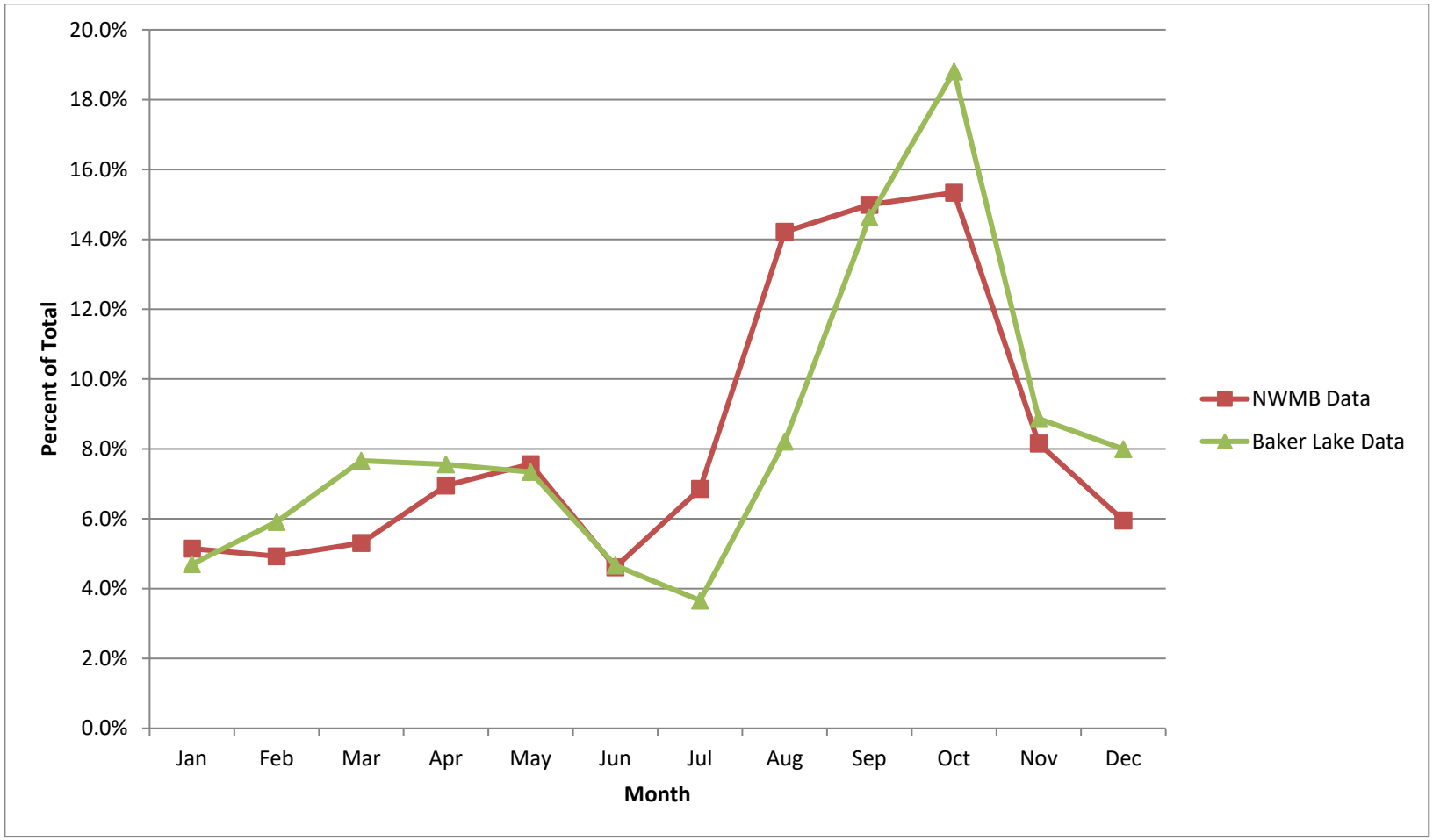


Figure 5.3: Seasonal Trends in Caribou Harvest from the Baker Lake HHS (2007 to 2015; 2019 to 2025) and the NWMB Study (1996 to 2001).

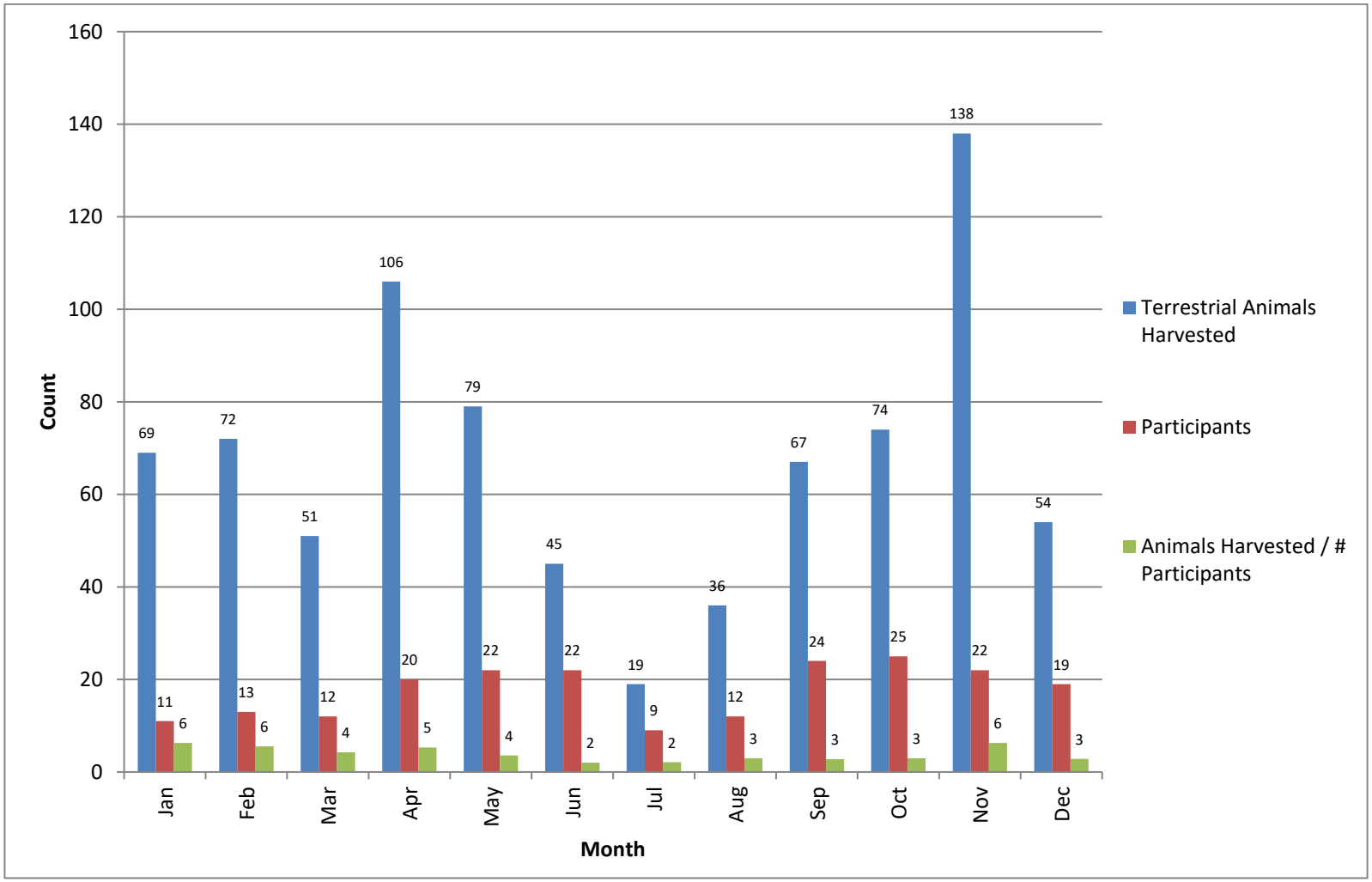


Figure 5.4: Terrestrial Animals Harvested per Month and by Participant in 2025.

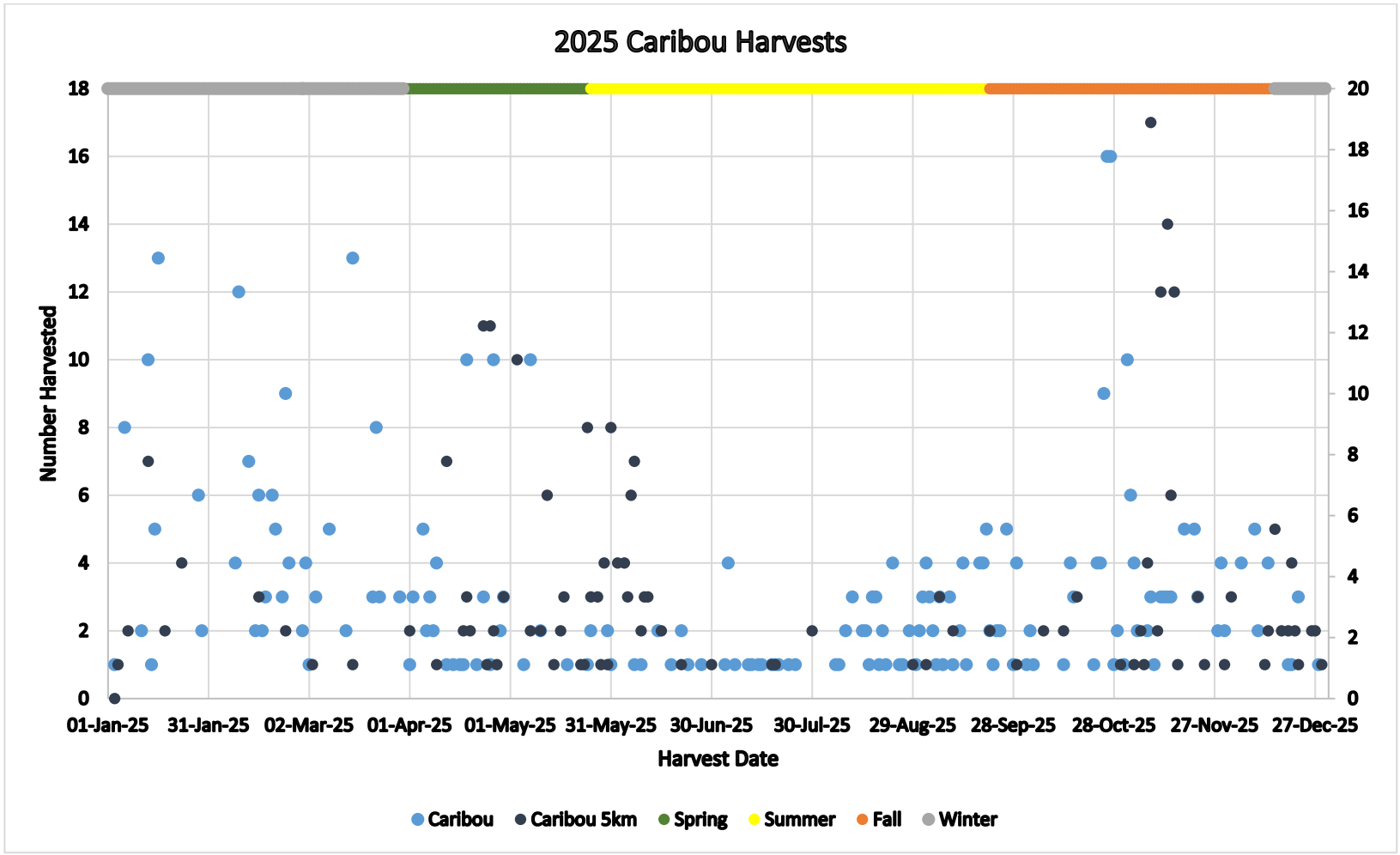


Figure 5.5: Number of Caribou harvested in each Caribou Season and Proximity to Access Roads in 2025.

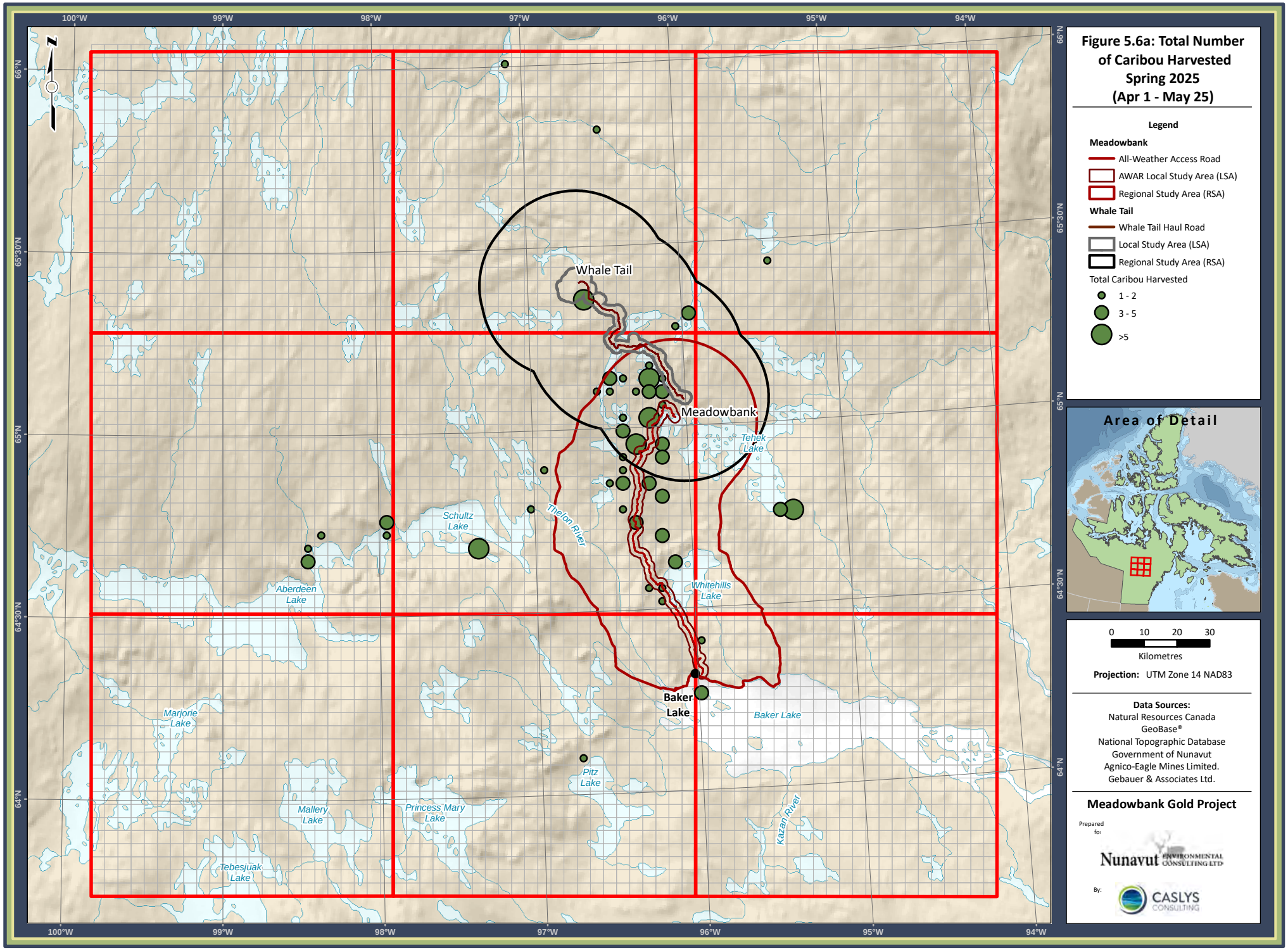


Figure 5.6a: Total Number of Caribou Harvested Spring 2025 (Apr 1 - May 25)

Legend

Meadowbank
- All-Weather Access Road
- AWAR Local Study Area (LSA)
- Regional Study Area (RSA)

Whale Tail
- Whale Tail Haul Road
- Local Study Area (LSA)
- Regional Study Area (RSA)

Total Caribou Harvested
- 1 - 2
- 3 - 5
- >5

0 10 20 30
Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.

Meadowbank Gold Project

Prepared for:
Nunavut Environmental Consulting Ltd

By:
CASLYS CONSULTING

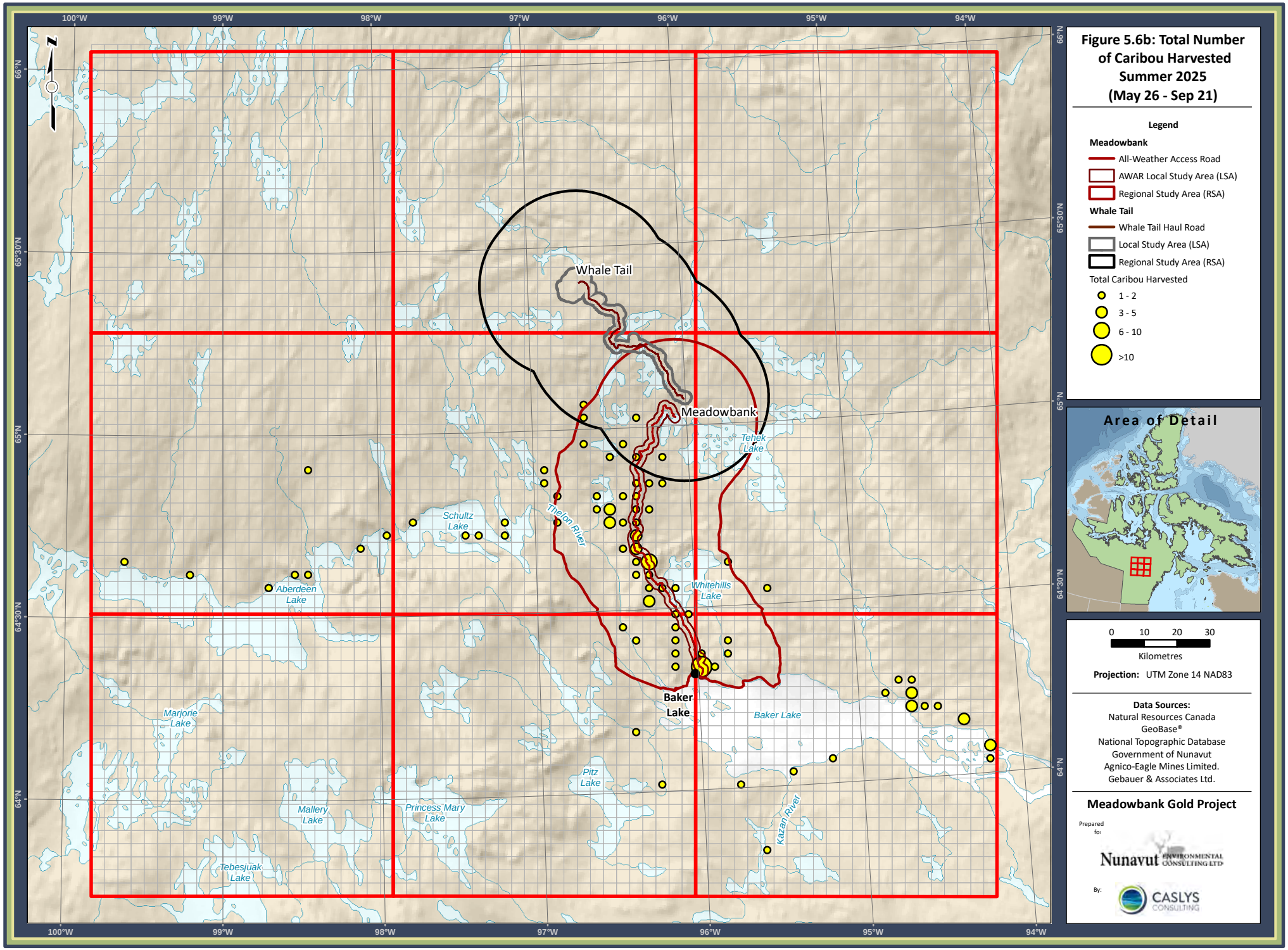


Figure 5.6b: Total Number of Caribou Harvested Summer 2025 (May 26 - Sep 21)

Legend

Meadowbank
- All-Weather Access Road
- AWAR Local Study Area (LSA)
- Regional Study Area (RSA)

Whale Tail
- Whale Tail Haul Road
- Local Study Area (LSA)
- Regional Study Area (RSA)

Total Caribou Harvested
- 1 - 2
- 3 - 5
- 6 - 10
- >10

Area of Detail

0 10 20 30
Kilometres

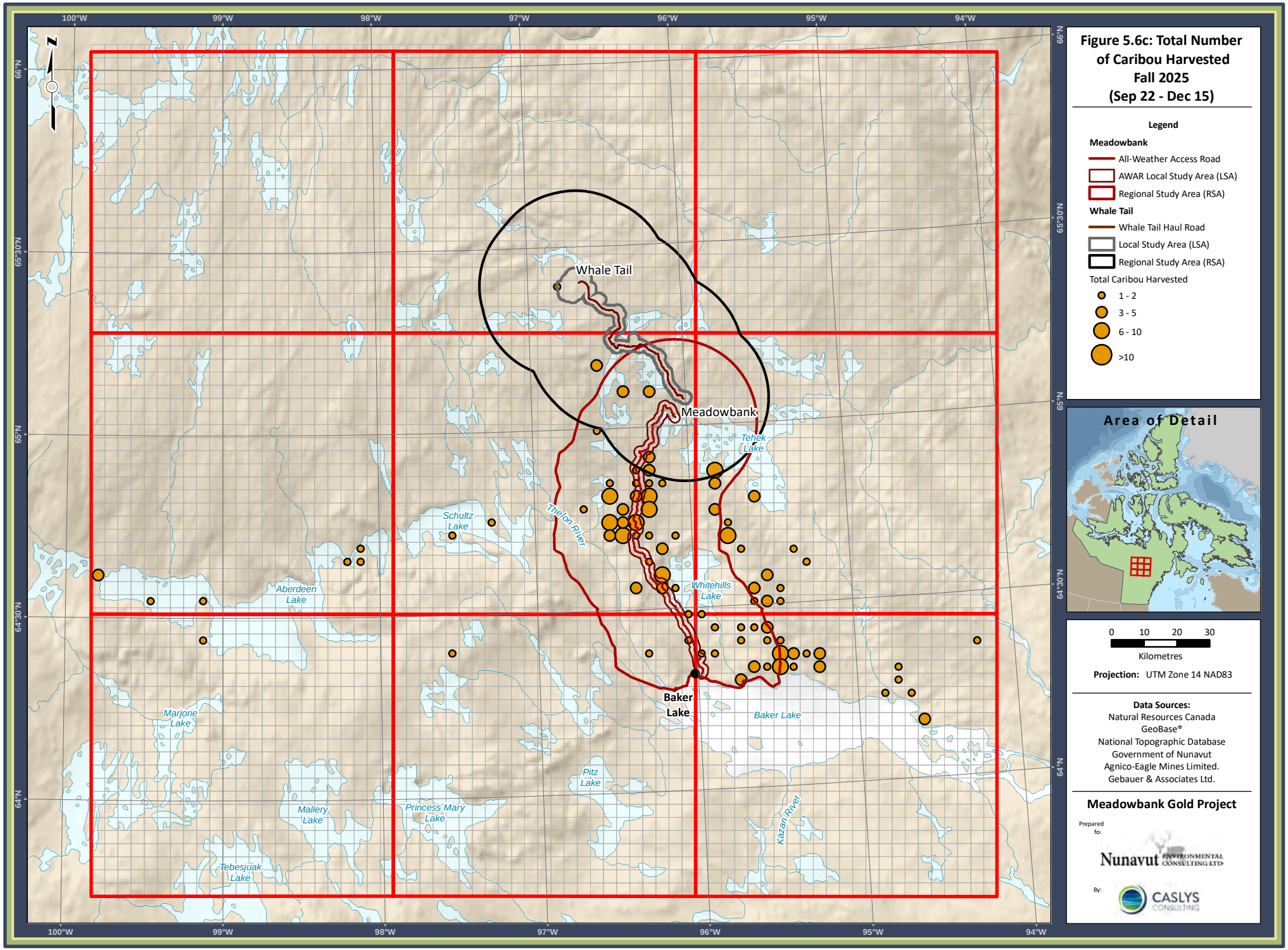
Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
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By:
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Figure 5.6c: Total Number of Caribou Harvested Fall 2025 (Sep 22 - Dec 15)
Legend
Meadowbank
All-Weather Access Road
AWAR Local Study Area (LSA)
Regional Study Area (RSA)
Whale Tail
Whale Tail Haul Road
Local Study Area (LSA)
Regional Study Area (RSA)
Total Caribou Harvested
1 - 2
3 - 5
6 - 10
>10
Area of Detail
Whale Tail
Meadowbank
Tehek Lake
Schultz Lake
Thelon River
Aberdeen Lake
Whitehills Lake
Baker Lake
Baker Lake
Marjorie Lake
Pitz Lake
Mallery Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
100°W
99°W
98°W
97°W
96°W
95°W
94°W
65°30'N
65°N
64°30'N
64°N
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
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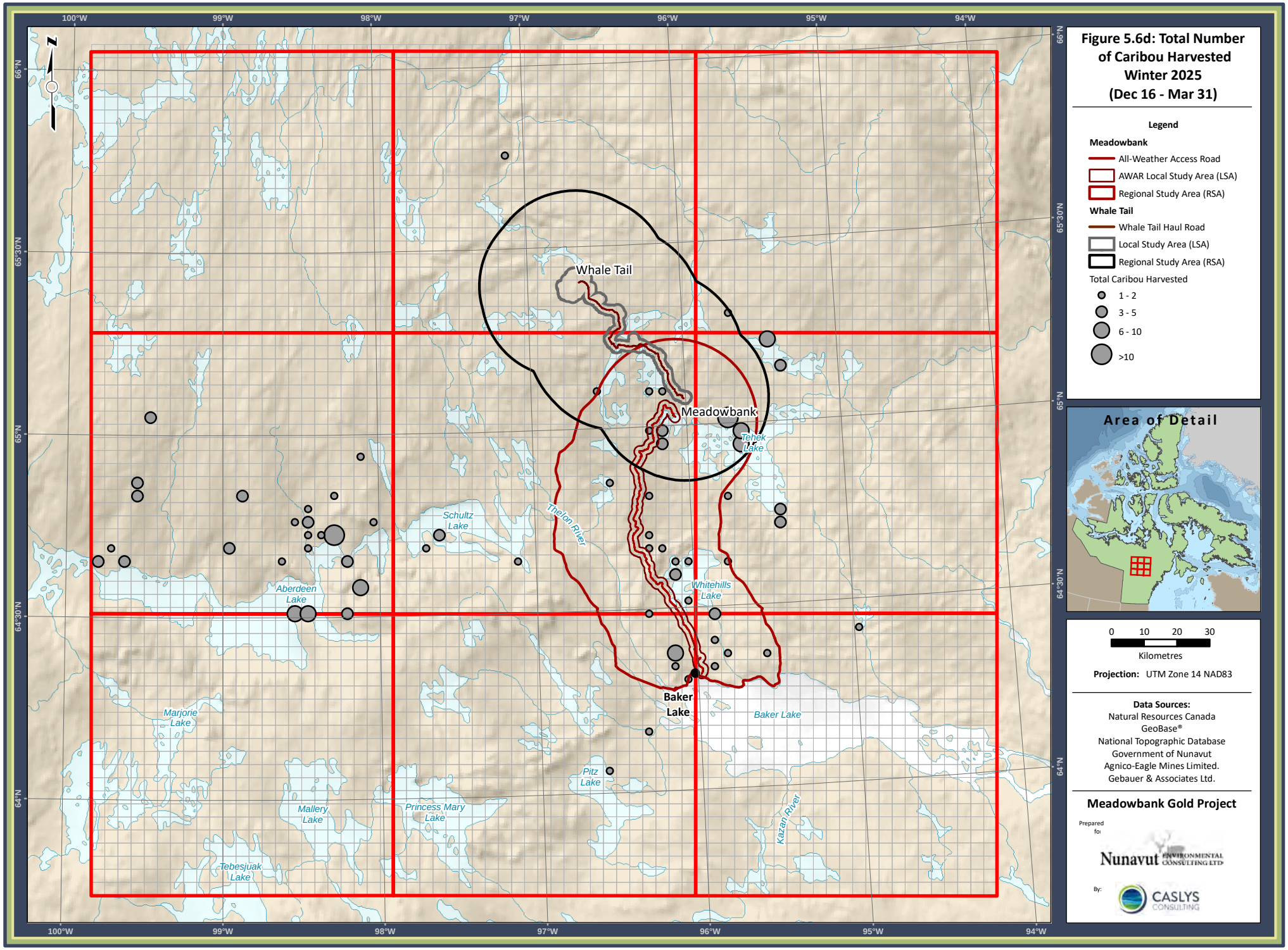


Figure 5.6d: Total Number of Caribou Harvested Winter 2025 (Dec 16 - Mar 31)

Legend

Meadowbank
- All-Weather Access Road
- AWAR Local Study Area (LSA)
- Regional Study Area (RSA)

Whale Tail
- Whale Tail Haul Road
- Local Study Area (LSA)
- Regional Study Area (RSA)

Total Caribou Harvested
- 1 - 2
- 3 - 5
- 6 - 10
- >10

0 10 20 30
Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.

Meadowbank Gold Project

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By:
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5.5 OTHER WILDLIFE SPECIES

Four (4) Muskox were reported as being harvested in 2025, which compares to none in 2024, seven (7) in 2023 and 18 in 2022 (**Table 5.4**). The Muskox were harvested near Whitehills Lake and north of Baker Lake (**Figure 5.7**). Thirty-four (34) Arctic Fox were reported as harvested in 2025 compared to eight (8) in 2024, none in 2023, and 36 in 2022 (**Table 5.4**). Arctic Fox were primarily trapped or harvested close to the Hamlet of Baker Lake and near Whitehills Lake (**Figure 5.7**).

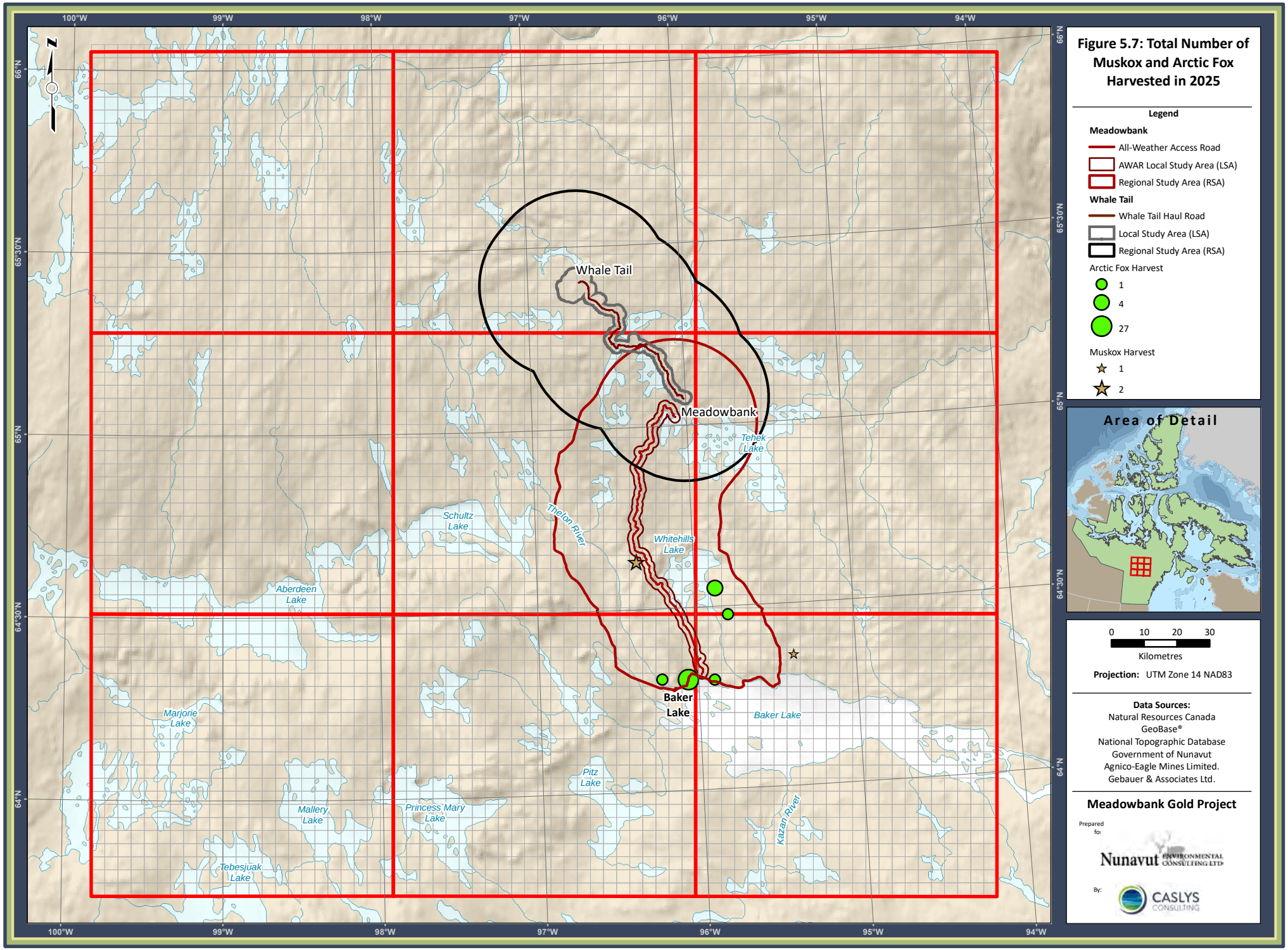
A total of 24 Wolverine was reported as being harvested in 2025, compared to 15 in 2024 and 18 in 2023 (**Table 5.4**). Wolverine in 2025 was hunted along the northwest shore of Baker Lake, in the Whitehills Lake area, along the Thelon River between Schulz and Aberdeen lakes, and at the southwestern end of Baker Lake (see **Figure 5.8**).

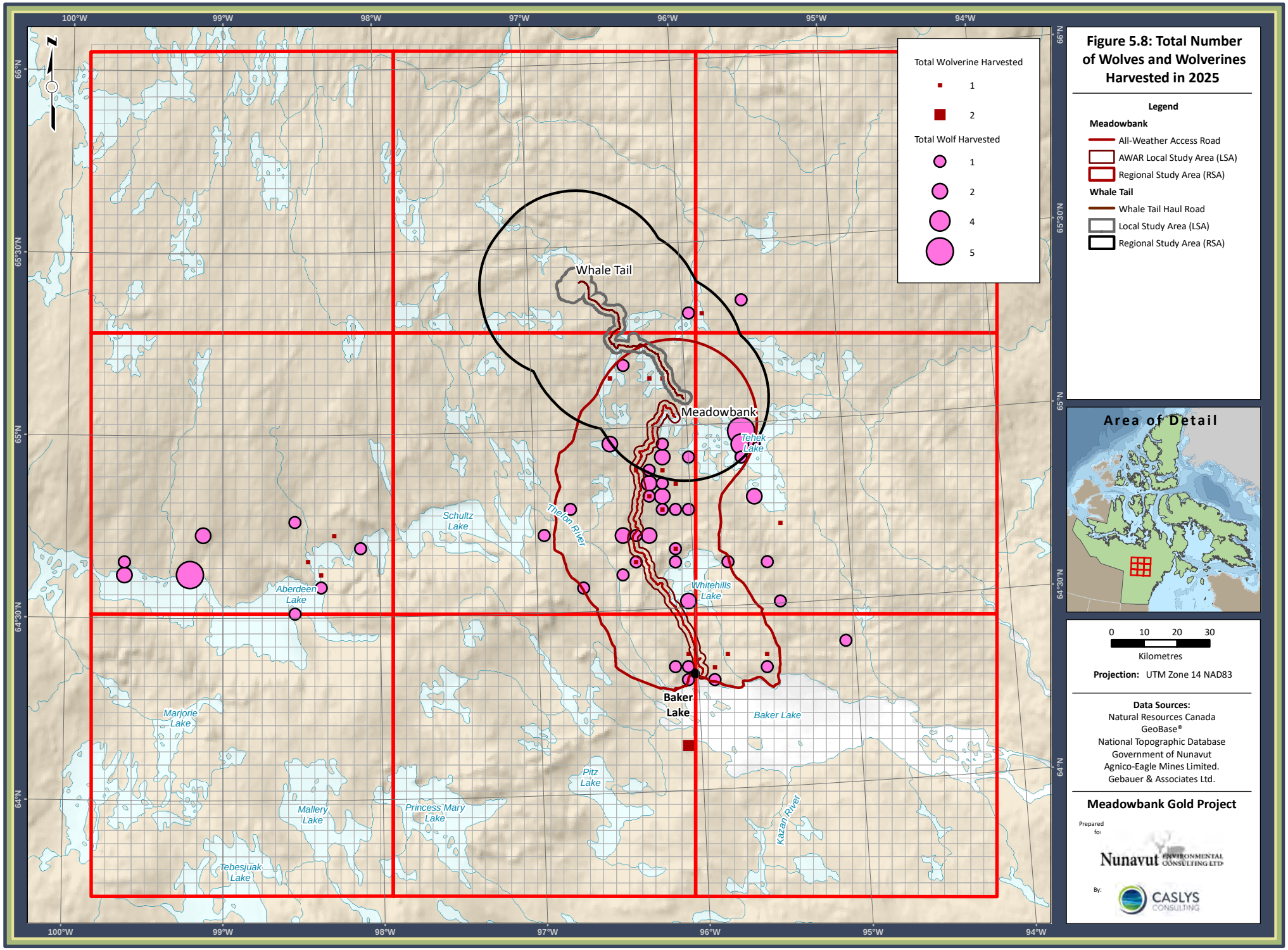
Wolf harvest in 2025 (87 individuals) was similar to reported harvests in 2019, 2020, and 2022 but considerably lower than in 2024 (143 individuals) (**Table 5.4**). Wolves were primarily harvested close to Baker Lake, north of the Whitehills Lake area, around Tehek Lake, and north of Aberdeen Lake (**Figure 5.8**). According to conversations with participants, wolves were considered "overpopulated" in the Baker Lake area. With a $500 payment for each wolf skull delivered to the wildlife office and the potential to sell a pelt privately, the incentives were high for participants to harvest wolves and receive an additional source of income.

The only other reported harvested mammal species in 2025 was three (3) Ermine (*Mustela richardsonii*).

Table 5.4: Total Number of Terrestrial Mammal Harvests Reported from 2019 to 2025 in the Baker Lake Hunter Harvest Study.

Species	2019	2020	2021	2022	2023	2024	2025
American Marten (*Martes americana*)				1		1	
Arctic Fox (*Vulpes lagopus*)	83	11	5	36		8	34
Arctic Ground Squirrel (*Urocitellus parryii*)		1				5	
Arctic Hare (*Lepus arcticus)*						10	
Arctic Wolf (*Canis lupus*)	72	88	26	92	47	143	87
Barren-ground Caribou (*Rangifer tarandus*)	647	652	513	766	646	820	782
Ermine (*Mustela richardsonii*)				1		1	3
Grizzly Bear (*Ursus arctos*)	1	4	1	2	1	2	
Moose (*Alces alces*)			1				
Muskox (*Ovibos moschatus*)	4		2	18	7		4
Red Fox (*Vulpes vulpes*)		2	2	1	3		
Wolverine (*Gulo gulo*)	20	22	20	25	18	15	24


Figure 5.7: Total Number of Muskox and Arctic Fox Harvested in 2025
Legend
Meadowbank
All-Weather Access Road
AWAR Local Study Area (LSA)
Regional Study Area (RSA)
Whale Tail
Whale Tail Haul Road
Local Study Area (LSA)
Regional Study Area (RSA)
Arctic Fox Harvest
1
4
27
Muskox Harvest
1
2
Area of Detail
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
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Meadowbank Gold Project
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Whale Tail
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Aberdeen Lake
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Pitz Lake
Mallery Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
100°W
99°W
98°W
97°W
96°W
95°W
94°W
66°N
65°30'N
65°N
64°30'N
64°N


Total Wolverine Harvested
1
2
Total Wolf Harvested
1
2
4
5
Whale Tail
Meadowbank
Tehek Lake
Schultz Lake
Thelon River
Aberdeen Lake
Whitehills Lake
Baker Lake
Baker Lake
Marjorie Lake
Pitz Lake
Mallery Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
100°W
99°W
98°W
97°W
96°W
95°W
94°W
65°30'N
65°N
64°30'N
64°N
Figure 5.8: Total Number of Wolves and Wolverines Harvested in 2025
Legend
Meadowbank
All-Weather Access Road
AWAR Local Study Area (LSA)
Regional Study Area (RSA)
Whale Tail
Whale Tail Haul Road
Local Study Area (LSA)
Regional Study Area (RSA)
Area of Detail
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
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Meadowbank Gold Project
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Bird species reported as being harvested in 2025 included Canada Goose (*Branta canadensis*; 45), Greater White-fronted Goose (*Anser albifrons*; 1), Herring Gull (*Larus argentatus*; 2), Long-tailed Duck (*Clangula hyemalis*; 2), ptarmigan sp. (*Lagopus* sp.; 17), Snow Goose (*Anser caerulescens*; 50), Tundra Swan (*Cygnus columbianus*; 2), and Willow Ptarmigan (*Lagopus lagopus*; 61). **Table 5.5** summarizes bird harvests reported in the HHS from 2019 to 2025.

In 2025, birds and eggs were reported as being harvested primarily around the Hamlet of Baker Lake (**Figure 5.9)**.

Table 5.5: Total Number of Bird Harvests Reported from 2019 to 2025 in the Baker Lake Hunter Harvest Study.

Species	2019	2020	2021	2022	2023	2024	2025
Canada Goose (*Branta canadensis*)	4	9	22	48	82	25	45
Goose sp. (*Anser* sp.)	2	91	2				
Greater White-fronted Goose (*Anser albifrons*)	1				2		1
Gull sp. (*Larus* sp.)		11		8	2	10	
Herring Gull (*Larus argentatus*)							2
Long-tailed Duck (*Clangula hyemalis*)							2
Ptarmigan sp. (*Lagopus* sp.)	11	7	2	25	48	197	17
Sandhill Crane (*Grus canadensis*)				2	1		
Snow Goose (*Anser caerulescens*)	1	2	2	1	8	13	50
Tundra Swan (*Cygnus columbianus*)				3	2	2	2
Willow Ptarmigan (*Lagopus lagopus*)							61

For the fourth year in a row, marine mammals were reported as being harvested. One (1) Harbour Seal (*Phoca vitulina*) and three (3) Ringed Seal (*Pusa hispida*) were reported as being harvested by Baker Lake hunters, but these were outside the HHS boundaries.

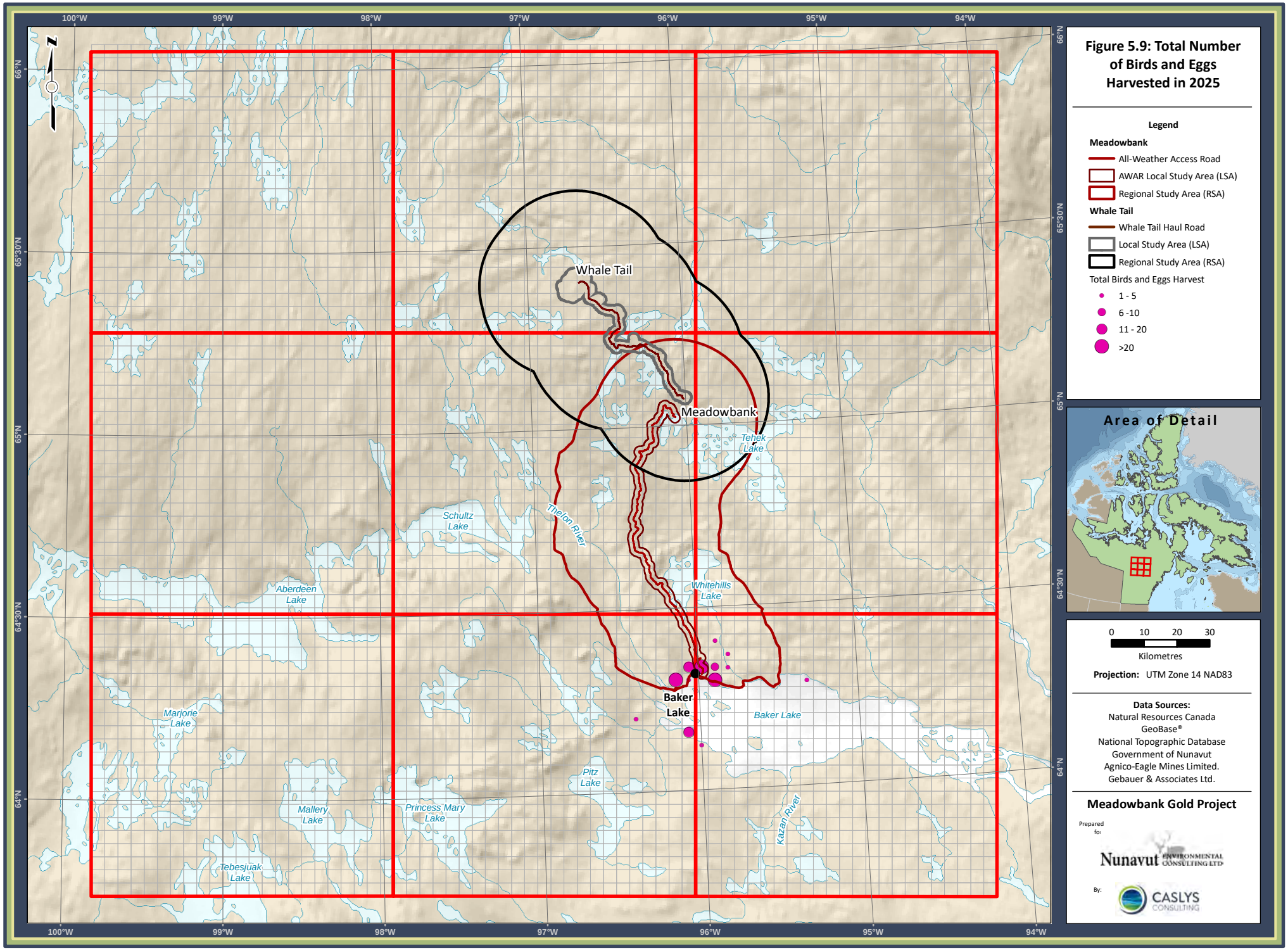


Figure 5.9: Total Number of Birds and Eggs Harvested in 2025

Legend

Meadowbank
- All-Weather Access Road
- AWAR Local Study Area (LSA)
- Regional Study Area (RSA)

Whale Tail
- Whale Tail Haul Road
- Local Study Area (LSA)
- Regional Study Area (RSA)

Total Birds and Eggs Harvest
- 1 - 5
- 6 -10
- 11 - 20
- >20

Area of Detail

0 10 20 30
Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.

Meadowbank Gold Project

Prepared for:
Nunavut Environmental Consulting Ltd

By:
CASLYS CONSULTING

SECTION 6 • 2025 CREEL SURVEY RESULTS

6.1 NUMBER OF FISHERMEN

The number of fishermen reporting successful fishing trips in 2025 was 38, which is higher than the average of 25 fisherman from 2007 to 2015 and 2019 to 2024 (15 years), and slightly higher than the number of fisherman reporting success in 2024 (i.e., 34). The highest number of fisherman reporting success in 2025 were in May and June, which is consistent with seasonal fishing patterns in other years (see **Table 6.1** and **Section 6.4 Magnitude of Fishing**).

Table 6.1: Number of Fisherman in the Baker Lake Area who have Recorded Fishing Success by Year and Month.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2007			4	6	7	1	1		1				20
2008	1	1	2	6	6	6	4	3			2	1	32
2009	2	2	5	10	9	9	9	6	1	8	2	2	65
2010			6	13	18	17	13	4	2	2	3	1	79
2011	1	3	6	15	21	18	9	6	2	9	9	5	104
2012	3	1	1	7	7	18	12	4	3	9	7	3	75
2013			2	5	4	11	9	1		2	1	1	36
2014	2	1	1	4	6	3	4	2		2	2	2	29
2015	1	1	1	2	9	8	6	2		3	4	2	39
2019	1	2	3	12	14	15	7	3	1	1	8	4	71
2020				1	6	9	9	5	1	4	3		38
2021	1		3	3	15	15	3	4	1	1	4		50
2022	2		2	4	16	16	7	2	3	3	2		57
2023				10	13	12	6	7	2	2	5		57
2024	1			2	18	12	6	3		3	4	1	50
2025				5	26	16	6	4			6		63
Total	15	11	36	105	195	186	111	56	17	49	62	22	865

6.2 COMPOSITION OF CATCH

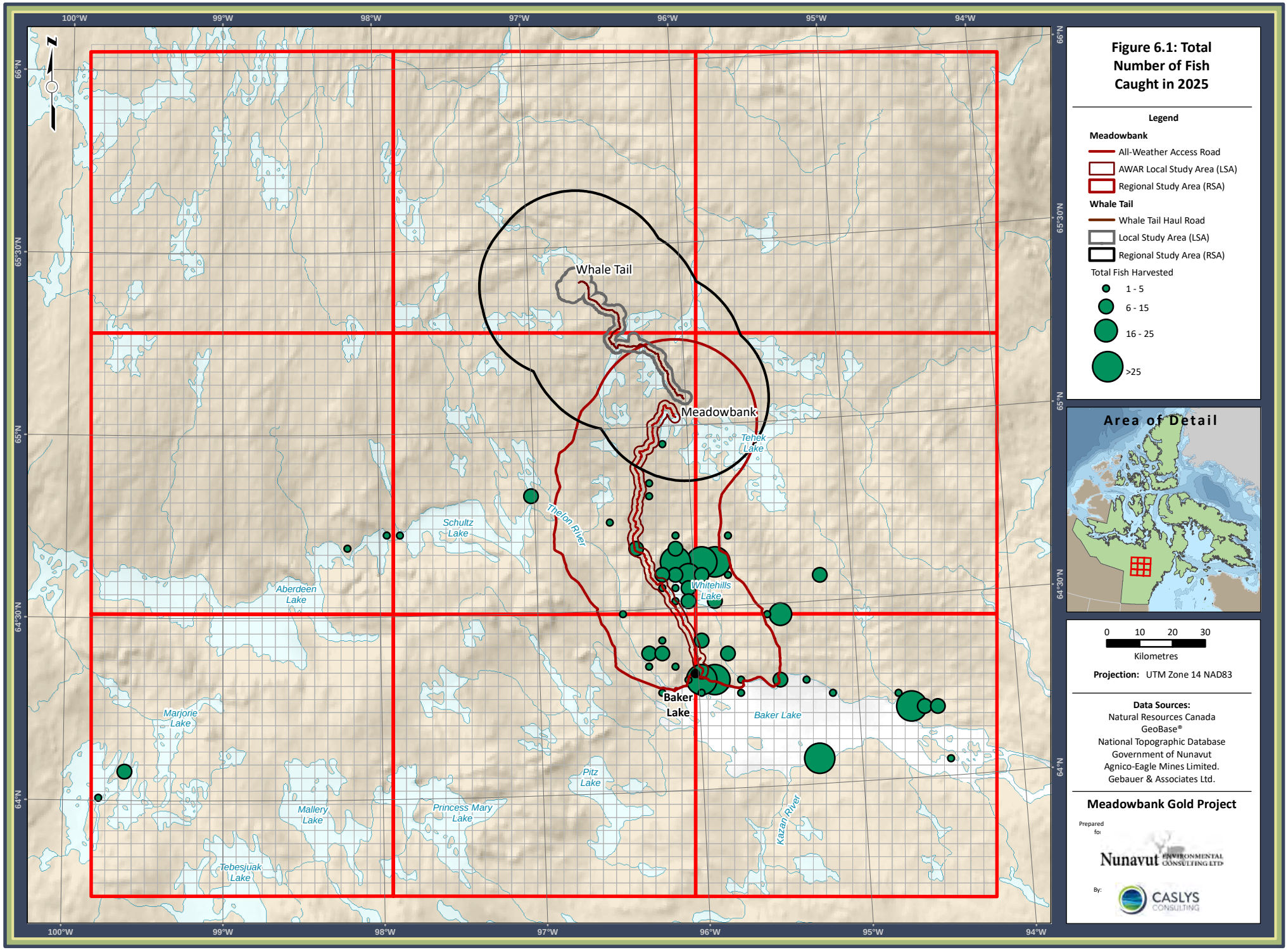
The most common fish species captured, Lake Trout, represented 71% of the total catch in 2025, which was higher than in the last two years (i.e., 2023 and 2024) (see **Table 6.2**). Lake Trout catch in 2025 (i.e., 627 individuals) was just below the average of 646 from 2007 to 2015 and 2019 to 2024 (see **Table 6.2**). Arctic Char were caught at higher numbers in 2025 (124 individuals) than the average of 71 from 2007 to 2015 and 2019 to 2024 (see **Table 6.2**). Lake Whitefish were captured in relatively low numbers in 2025.

Table 6.2: Total Number of Fish Caught between 2007 and 2015, and 2019 to 2025.

Year	Arctic Char	Arctic Grayling	Lake Trout	Lake Whitefish	Unidentified	Total #	%Char	% Lake Trout
2007	3		210			213	1	99
2008	24		825	192		1,041	2	79
2009	117	1	525	51		694	17	76
2010	103	3	860	326		1,292	8	67
2011	113	1	1,710	460		2,284	5	75
2012	24	1	1,014	471		1,510	2	67
2013	96		490	50		636	15	77
2014	22		353	651		1,026	2	34
2015	41	29	370	1,386		1,826	2	20
2019	89		900	1,573	119	2,681	3	34
2020	75		219	32	2	328	23	67
2021	54	1	481	184	1	721	7	67
2022	202	1	894	147		1,244	16	72
2023	52		490	183	2	727	7	67
2024	48		356	300		704	7	51
Avg # (2007-2024)	**71**	**2**	**646**	**400**	**8**	**1,128**	**8**	**63**
2025	124		627	132		883	14	71
Avg # (All Years)	**74**	**2**	**645**	**384**	**8**	**1,113**	**8**	**64**
Total #	**1,187**	**37**	**10,324**	**6,138**	**124**	**17,810**		

6.3 DISTRIBUTION OF FISHING

Fishing trips, regardless of success rate, did not generally occur beyond the immediate areas of Baker Lake, Whitehills Lake, and the lower AWAR (see **Figure 6.1**). Some fishing occurred along the Thelon River system and along the northeastern shore of Baker Lake (**Figure 6.1)**. As was the case in other years, results indicate that study participants are less willing to travel long distances to catch fish, regardless of AWAR access, likely due to the abundance of fish near the Hamlet of Baker Lake and around Whitehills Lake.


Figure 6.1: Total Number of Fish Caught in 2025
Legend
Meadowbank
All-Weather Access Road
AWAR Local Study Area (LSA)
Regional Study Area (RSA)
Whale Tail
Whale Tail Haul Road
Local Study Area (LSA)
Regional Study Area (RSA)
Total Fish Harvested
1 - 5
6 - 15
16 - 25
>25
Area of Detail
Whale Tail
Meadowbank
Tehek Lake
Thelon River
Schultz Lake
Aberdeen Lake
Whitehills Lake
Baker Lake
Baker Lake
Marjorie Lake
Pitz Lake
Mallery Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
100°W
99°W
98°W
97°W
96°W
95°W
94°W
65°30'N
65°N
64°30'N
64°N
0 10 20 30
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for
Nunavut Environmental Consulting Ltd
By:
CASLYS CONSULTING

6.4 MAGNITUDE OF FISHING

The average number of fish harvested per fisherman in each month was highest in July and November with lower averages in the other spring and summer months (**Figure 6.2)**. In 2025, the most captured fish species, in order of abundance, were Lake Trout, Lake Whitefish, and Arctic Char (see **Table 6.2**). Higher numbers of Lake Trout and Arctic Char were reported as being caught in 2025 compared to 2023 and 2024.

6.5 SEASONAL TIMING OF FISHING

In 2025, fishing periods with the most active fisherman were May and June, which is comparable to other years (see **Table 6.1**). Across all reporting years, the periods with the most fish caught included the summer months (May and June), which reflects the high number of Lake Trout caught by fisherman heading out on the land after ice melt, and November (**Figure 6.3**). This seasonal pattern can be observed in the trends from 2007 to 2015 and 2019 to 2024 (**Figure 6.3)**.

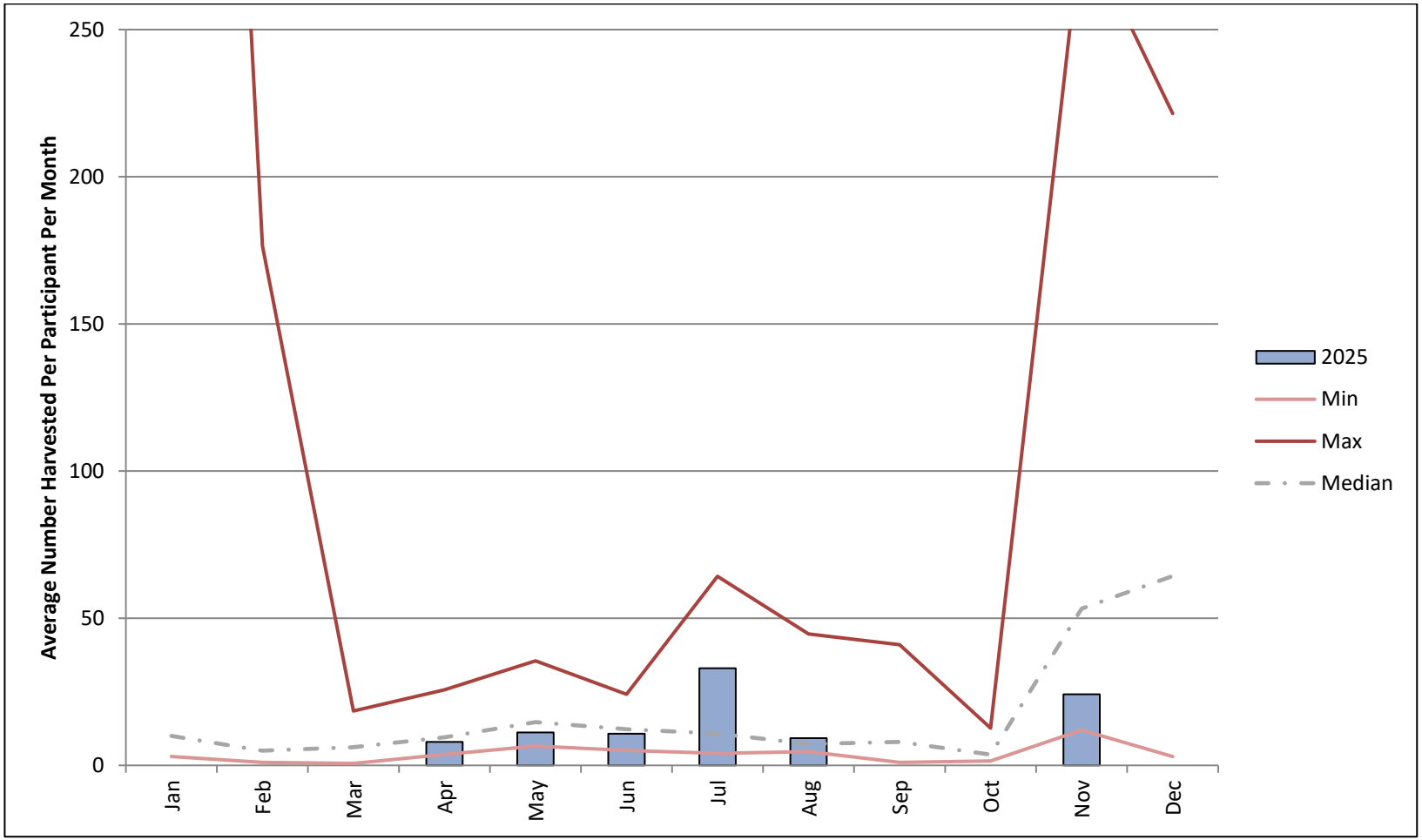


Figure 6.2: Average Number of Fish Caught per Participant in 2025 and the Minimum and Maximum Range from 2007 to 2015 and 2019 to 2024.

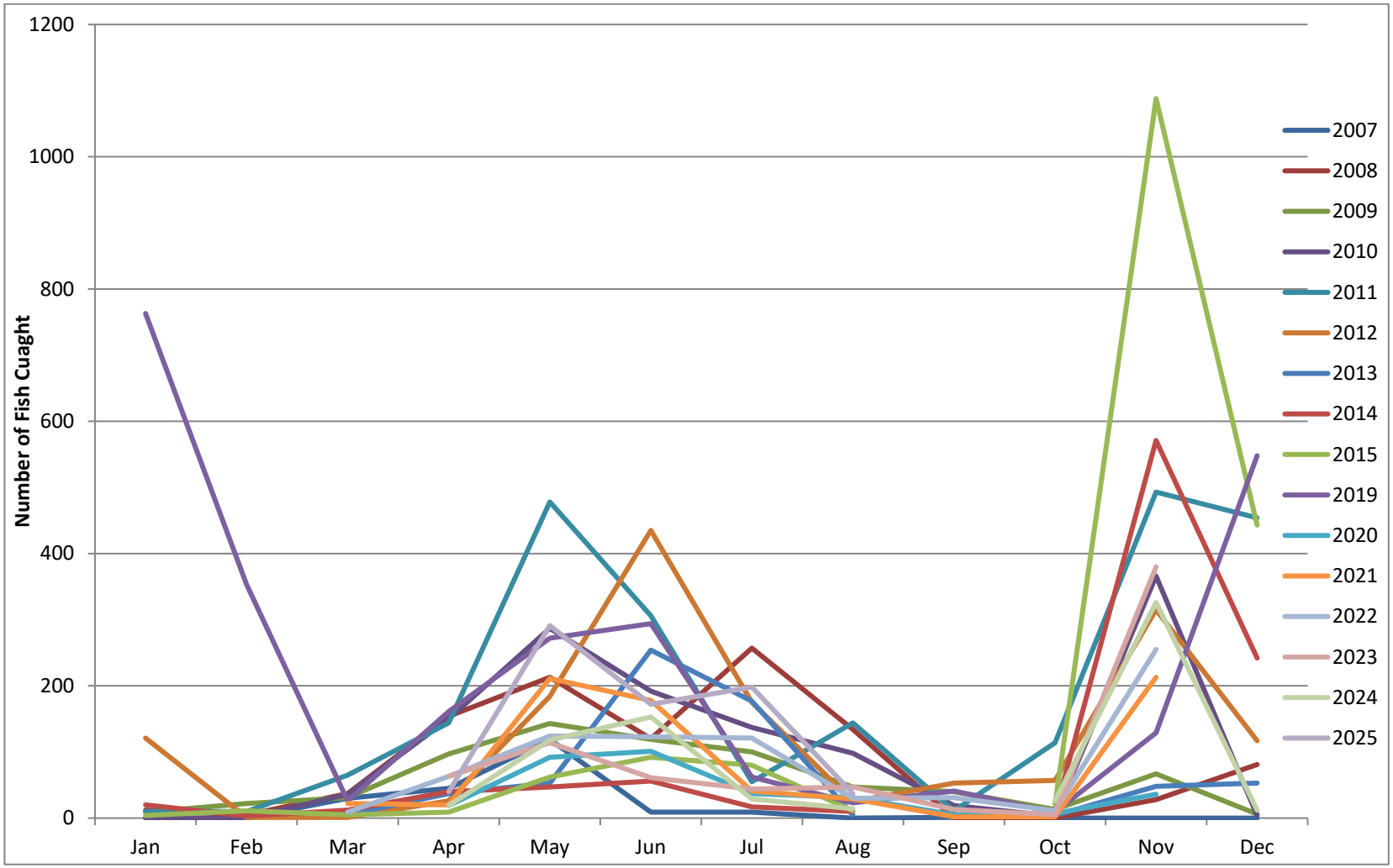


Figure 6.3: Seasonal Trends in Fishing (Number of Fish Caught) in the Baker Lake Area from 2007 to 2015 and 2019 to 2025.

SECTION 7 • ACCURACY OF IMPACT PREDICTIONS

Table 7.1 provides a summary of the impact predictions identified in the original TEMP (Cumberland 2006) and the updated March 2025 version 9 (Agnico Eagle 2025). The 2025 HHS data were compared to the impact prediction thresholds to evaluate adherence to the impact predictions and the provision of adaptive management, as either a necessary or proactive measure. No thresholds were surpassed in 2025.

Table 7.1: Accuracy of Impact Predictions – 2025 Baker Lake HHS

Potential Effect	Threshold	RSA (67-87% of Harvest within Meadowbank RSA) 20% Threshold Exceeded (2025)?	Adaptive Management Implemented	Status
Meadowbank All-Weather Access Road (AWAR)				
Hunting by Baker Lake Residents	The AWAR will not result in significant changes in the spatial distribution, seasonal pattern, or harvest levels of Caribou kills by Baker Lake hunters. Changes will not exceed 20% of historical harvest activities within the RSA	NO (56% of Caribou harvest in RSA in 2025 compared to NWMB baseline of 67% and average harvest within RSA of 80% since 2007)	Discussions with HTO and GN representatives required to identify management options	HHS
Whale Tail Haul Road (WTHR)				
Potential Effect	**Threshold**	**Change in Harvest?**	**Adaptive Management Implemented**	**Status**
Hunting by Baker Lake Residents	No change in harvest	UNCERTAIN (38 Caribou harvests recorded within 5 km of the WTHR; 156 Caribou harvests reported within RSA; high numbers of Caribou reported by study participants; most harvests reported during winter when snowmobile access is possible; additional year or two of study required to determine whether increased hunting trend continues)	Public access is not permitted along the WTHR	HHS Satellite-collaring Program

SECTION 8 • MANAGEMENT RECOMMENDATIONS

The Baker Lake HHS and Creel Survey should be continued to monitor the hunting and fishing patterns of Baker Lake residents, and the potential effects of the Meadowbank Complex Mine. Regular meetings with participants are particularly important in maintaining contact, building relationships, expanding the study, and collecting good harvest data. Participation rates can be maintained by continuing to use social media platforms such as Facebook and Instagram, expanding connections on these platforms, ensuring that all participants are visited during scheduled field visits, and continuing with distribution of the well-received year-end prizes for all participants and special prizes for participants with long-term participation. In addition, an effort should be made to continue recruiting new, particularly young, hunters for the HHS.

SECTION 9 • LITERATURE CITED

Agnico Eagle Mines Ltd. (AEM) 2025. Meadowbank Division, Terrestrial Ecosystem Management Plan. Version 9, March 2025.

Cumberland Resources Ltd. 2006. Meadowbank Gold Mine Project Terrestrial Ecosystem Management Plan (TEMP). Final Report, December 2006.

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NWMB, Nunavut Wildlife Management Board. 2004. The Nunavut Wildlife Harvest Study. Prepared by Priest, H., Harvest Study Coordinator, NWMB and Usher, P. J., P.J. Usher Consulting Services.

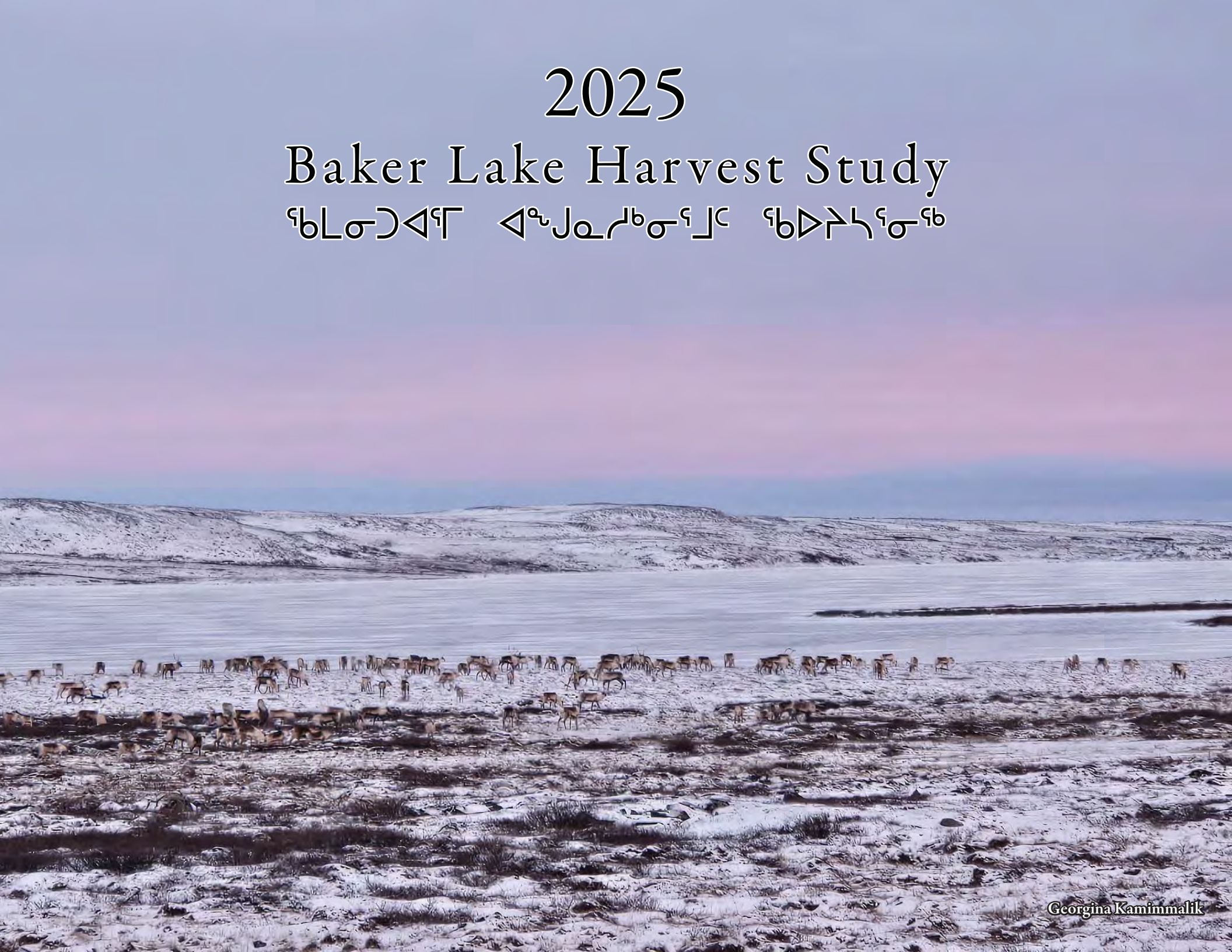
APPENDIX A

2025 Hunter Harvest Calendar

2025

Baker Lake Harvest Study

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Georgina Kamimmalik



Winston Ookout

January | ᖁᓂᐊᓗ 2025

Baker Lake Harvest Study
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Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᔪᓂᓴᖅ	Tuesday ᑐᐱᓯᐊᖏᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖓᓱᐊᐃᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓄᖅᐃᑐᖏᓇᖅ
December 2024 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	February 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		**1** **New Year's Day**	**2**	**3**	**4**
5	**6**	**7**	**8**	**9**	**10**	**11**
12	**13**	**14**	**15**	**16**	**17**	**18**
19	**20**	**21**	**22**	**23**	**24**	**25**
26	**27**	**28**	**29**	**30**	**31**	



Scott Qiyuk

February | ᐃᓕᑭᐊᒃ 2025

Baker Lake Harvest Study
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Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᓕᐅᓂᓴᖅ	Tuesday ᑐᒃᓯᐊᖅᓯᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖓᓱᓪᓗᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓯᖅ
January 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	March 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1
2 Groundhog Day	3	4	5	6	7	8
9	10	11	12	13	14 Valentine's Day	15
16	17 Family Day	18	19	20	21	22
23	24	25	26	27	28	


Lars Qaqqaq

March | ᓚᐳ 2025

Baker Lake Harvest Study
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February 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	April 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30					1
2	3	4	5 Ash Wednesday	6	7	8
9 Daylight Savings Time Starts	10	11	12	13	14	15
16	17 St. Patrick's Day	18	19	20 First Day of Spring	21	22
23	24	25	26	27	28	29
30	31					



Paul Qablunaaq

April | ᐊᐃᓇᓕᓪ 2025

Baker Lake Harvest Study
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Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᓚᑎᓂᓴᖅ	Tuesday ᑐᐱᓯᐊᖏᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖓᓱᐊᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖏᓇᖅ
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18 Good Friday	19
20 Easter Sunday	21 Easter Monday	22 Earth Day	23	24	25	26
27	28	29	30			

March 2025

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

May 2025

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31


Lars Qaqqaq

May | ᒪᐃ 2025

Baker Lake Harvest Study
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April 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	June 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30			1	2	3
4	5	6	7	8	9	10
11 Mother's Day	12	13	14	15	16	17
18	19 Victoria Day	20	21	22	23	24
25	26	27	28	29	30	31



Dylan White

June | ᕿᓂ 2025

Baker Lake Harvest Study
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1	2	3	4	5	6	7
8	9	10	11	12	13	14
15 Father's Day	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

May 2025

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

July 2025

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		



Dylan White

July | ᐊᓕᓚᐃ 2025

Baker Lake Harvest Study
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		1 Canada Day	2	3	4	5
6	7	8	9 Nunavut Day	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

June 2025

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

August 2025

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



Dylan White

August | ᐊᔪᓂ 2025

Baker Lake Harvest Study
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Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᓚᓂᓴᖅ	Tuesday ᑐᐱᓂᐊᖏᓇᖅ ᓂᕆᔨᖅ	Wednesday ᐱᖏᓚᓪᓕᐊᑦ	Thursday ᓂᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᐊᓇᖅ
July 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	September 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				1	2
3	4 Civic Holiday	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



Dylan White

September | ᓯᑎᐱᓗ 2025

Baker Lake Harvest Study
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Sunday ᓴᓇᑕᐅᓕ	Monday ᓴᓇᑕᐅᓕᐅᒪᓂᖅ	Tuesday ᑐᒃᓯᐊᖅᓯᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖓᓱᐊᕐᒥᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓯᖅ
	1 Labour Day	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22 First Day of Autumn	23	24	25	26	27
28	29	30 National Day for Truth and Reconciliation				

August 2025

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
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31						

October 2025

S	M	T	W	T	F	S
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19	20	21	22	23	24	25
26	27	28	29	30	31	



Joe Qiyuk

October | ᐅᖅᑐᐱᓗ 2025

Baker Lake Harvest Study
ᖃᒪᓕᑕᐊᖏᑦ ᐊᖏᔪᓇᓯᓂᖓᓪᓚᑦ ᖃᐅᔨᓴᓂᓕᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᖅ	Tuesday ᑐᖅᓯᐊᖅᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖏᒃᔪᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓇᖅ
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5	6	7	8	9	10	11
12	13 Thanksgiving Day	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31 Halloween	



Georgina Kamimmalik

November | ᓄᐃᑦᑐᓗ 2025

Baker Lake Harvest Study
ᖃᐅᓕᑐᐊᖏᑦ ᐊᖏᔪᓇᒃᓕᓂᒧᑦ ᖃᐅᔨᓴᓕᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓕᓴᖅ	Tuesday ᑐᒃᓯᐊᖏᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖓᓱᐊᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖏᓇᖅ
October 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	December 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1
2 Daylight Savings Time Ends	3	4	5	6	7	8
9	10	11 Remembrance Day	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						



Dylan White

December | ᑎᓯᐱᓗ 2025

Baker Lake Harvest Study
ᖃᒪᓕᕐᕆᖏᑦ ᐊᖏᔪᓇᓂᖅᓯᒪᑦ ᖃᐅᔨᓴᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᓴᖅ	Tuesday ᑐᐱᓯᐊᖏᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖏᓴᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖏᓇᖅ
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21 First Day of Winter	22	23	24	25 Christmas Day	26 Boxing Day	27
28	29	30	31			

Please return the calendar to the Agnico-Eagle office for entry into the participant draw.

November 2025

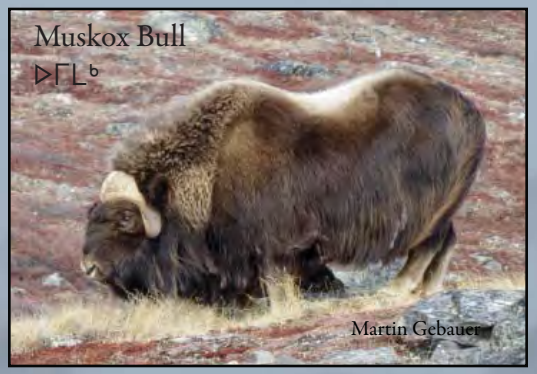
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23	24	25	26	27	28	29
30						

January 2026

S	M	T	W	T	F	S
			1	2	3	4
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19	20	21	22	23	24	25
26	27	28	29	30	31	

Wildlife and Fish Species of Interest











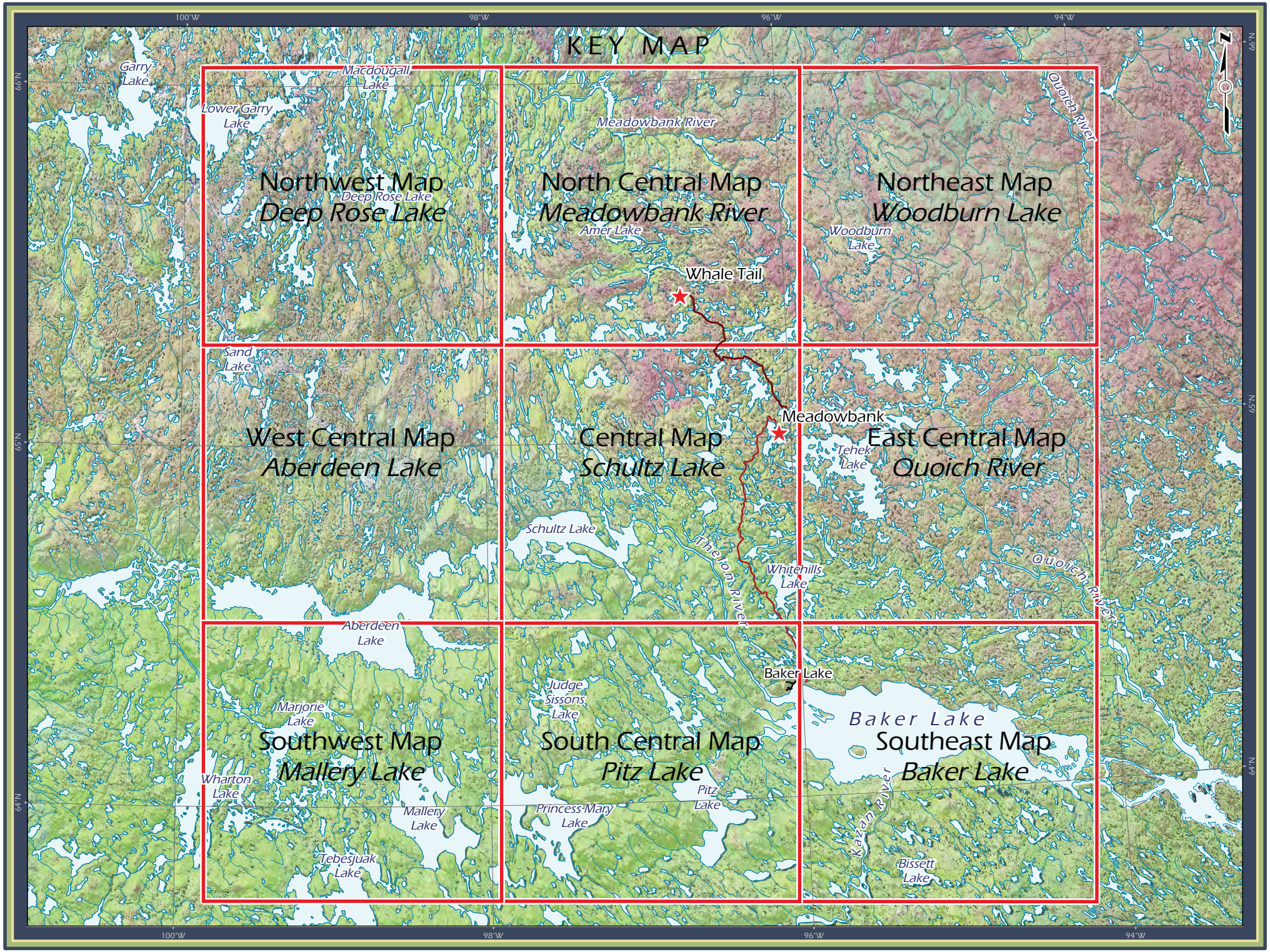








Martin Gebauer


KEY MAP
100°W
98°W
96°W
94°W
66°N
65°N
64°N
Garry Lake
Macdougall Lake
Lower Garry Lake
Meadowbank River
Quoich River
Northwest Map
Deep Rose Lake
Deep Rose Lake
North Central Map
Meadowbank River
Amer Lake
Northeast Map
Woodburn Lake
Woodburn Lake
Whale Tail
Sand Lake
West Central Map
Aberdeen Lake
Central Map
Schultz Lake
Meadowbank
East Central Map
Quoich River
Tehek Lake
Schultz Lake
Thelon River
Whitehills Lake
Quoich River
Aberdeen Lake
Baker Lake
Judge Sissons Lake
Marjorie Lake
Southwest Map
Mallery Lake
South Central Map
Pitz Lake
Baker Lake
Southeast Map
Baker Lake
Wharton Lake
Mallery Lake
Pitz Lake
Princess Mary Lake
Kazan River
Tebesjuak Lake
Bissett Lake

Baker Lake Harvest Study

Northwest Map Deep Rose Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake



0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut ENVIRONMENTAL CONSULTING LTD

CASLYS CONSULTING

99°30'W 99°W 98°30'W 98°W

66°N 65°45'N 65°30'N

ZE69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 ZE47

ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY

ZZ69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 ZZ47

Buliard Lake

Back River

Lower Garry Lake

Deep Rose Lake

ZP58

Baker Lake Harvest Study

West Central Map
Aberdeen Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake



0 5 10 15
Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut ENVIRONMENTAL CONSULTING LTD

CASLYS CONSULTING

99°30'W 99°W 98°30'W 98°W

65°15'N 65°N 64°45'N 64°30'N

A69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 A47

B C D E F G H I J K L M N O P Q R S T U

K58

V69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 V47

Sand Lake

Naujatuuq Lake

River

Naujatuuq

Oumanaugaq Lake

Oumanaugaq Bay

Peqetuaz Hill

Kuaghok Narrows

Aberdeen Lake

Baker Lake Harvest Study

Southwest Map
Mallery Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake



0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut Environmental Consulting Ltd

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99°30'W 99°W 98°30'W 98°W

64°30'N 64°15'N 64°N 63°45'N

V69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 V47

W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP

AQ69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 AQ47

Aberdeen Lake

Marjorie Hills

Dubawnt River

Marjorie Lake

AF58

Wharton Lake

Mallery Lake

Maniituq Hill

Tebesjuak Lake

Kunwak River

Piniarvik Peninsula

Baker Lake Harvest Study

North Central Map Meadowbank River

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake



0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut Environmental Consulting Ltd

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97°30'W 97°W 96°30'W 96°W

66°N 65°45'N 65°30'N 65°15'N

ZE46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 ZE24

ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY

ZZ46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 ZZ24

Back River

Meadowbank River

ZP35

Amer Lake

Nanau Lake

Whale Tail

Baker Lake
Harvest Study

Central Map
Schultz Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake



0 5 10 15
Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:
AGNICO-EAGLE

By:
Nunavut Environmental Consulting Ltd
CASLYS CONSULTING

97°30'W 97°W 96°30'W 96°W
65°15'N 65°N 64°45'N 64°30'N
A46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 A24
B C D E F G H I J K L M N O P Q R S T U
V46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 V24
K35
N

Pipedream Lake
Meadowbank
Third Portage Lake
Amarulik Lake
Whalebone Hill
Schultz Lake
Thelon River
Akitit Hill
Whitehills Lake
Half Way Hills
Ayaktuukvik Lake

Baker Lake Harvest Study

South Central Map
Pitz Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake



0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut ENVIRONMENTAL CONSULTING LTD

CASLYS CONSULTING

97°30'W 97°W 96°30'W 96°W

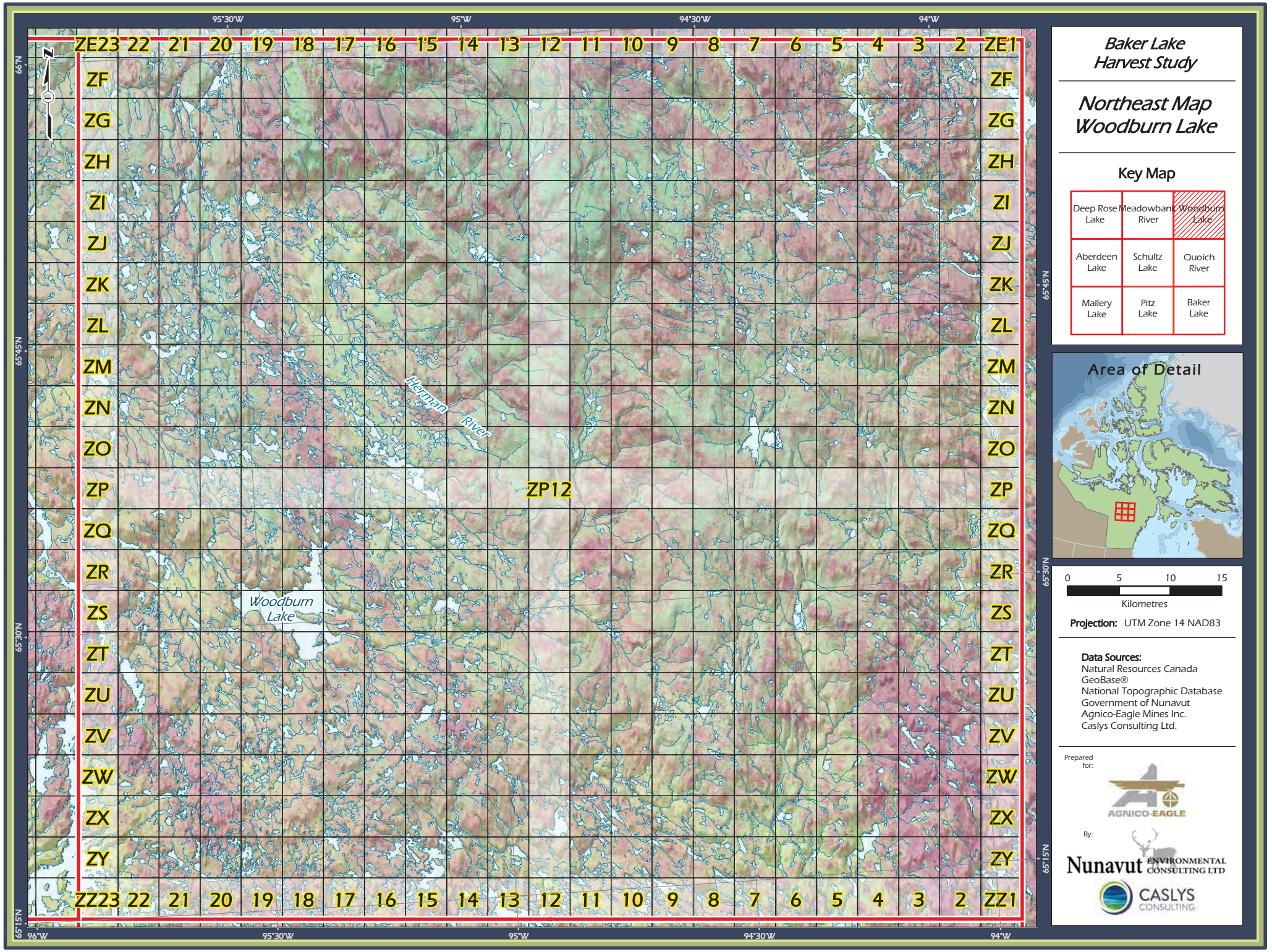
64°30'N 64°15'N 64°N 63°45'N

V46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 V24

W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP

AQ46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 AQ24

Qikittalik Lake
Thelon River
Sigalausivik Hill
Thom Lake
Baker Lake
Judge Sissons Lake
Iglujat Hills
Sagliq Island
Qamanaugaq Lake
Mihaluk Lake
AF35
Kingatnaaq Hill
Paunraqtuuq Hill
Tiriksiujarvik Hill
Pitz Lake
Princess Mary Lake
Aumaluuktuuk Lake



Baker Lake Harvest Study

Northeast Map Woodburn Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

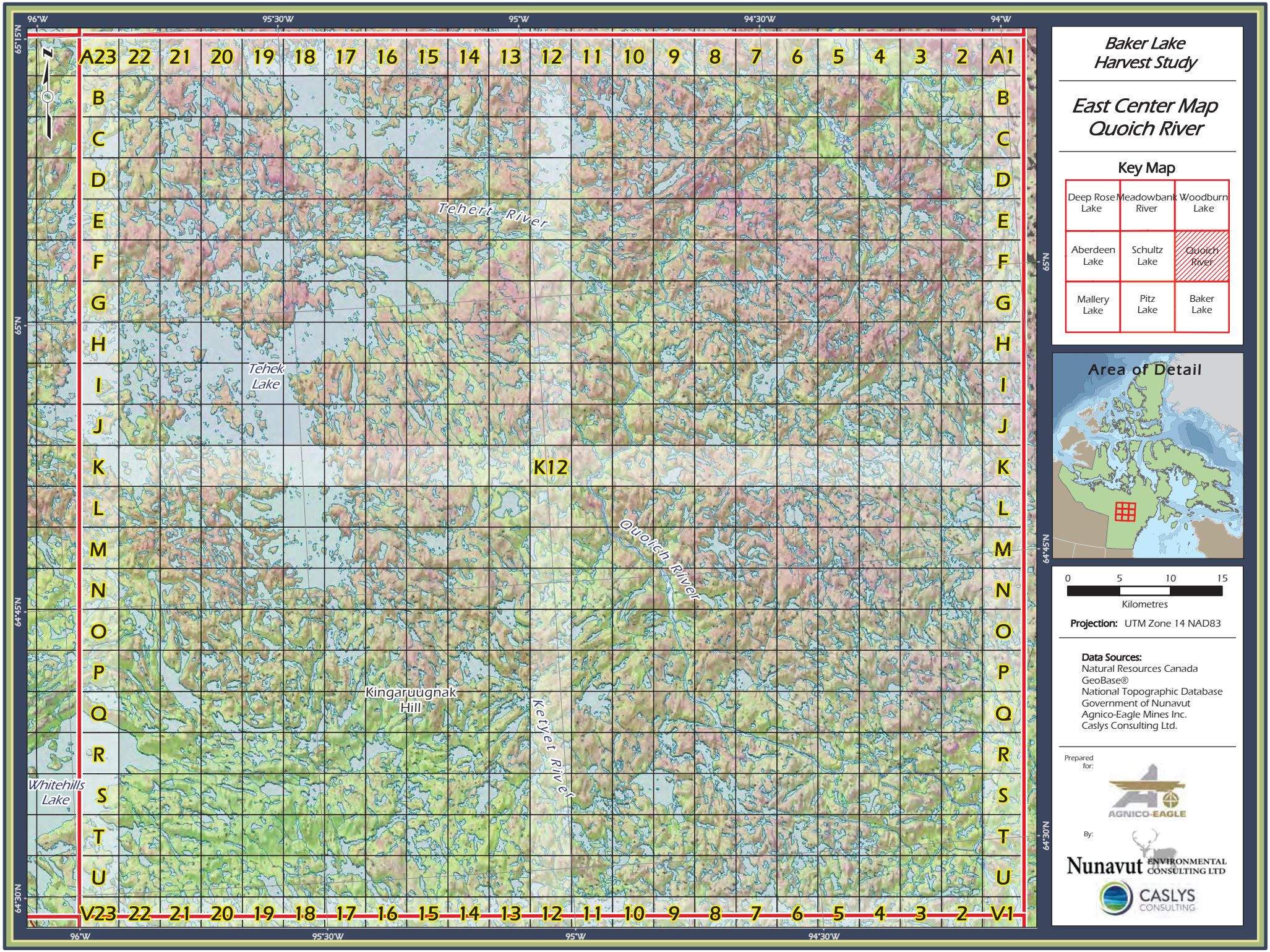
Prepared for:

AGNICO-EAGLE

By:

Nunavut Environmental Consulting Ltd

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Baker Lake Harvest Study

East Center Map
Quoich River

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

Area of Detail

0 5 10 15
Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for: AGNICO-EAGLE

By: Nunavut Environmental Consulting Ltd

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Baker Lake Harvest Study

Southeast Map Baker Lake

Key Map

Deep Rose Lake	Meadowbank River	Woodburn Lake
Aberdeen Lake	Schultz Lake	Quoich River
Mallery Lake	Pitz Lake	Baker Lake

Area of Detail

0 5 10 15

Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada
GeoBase®
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut Environmental Consulting Ltd

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How to Use the Baker Lake Harvest Calendar

Agnico Eagle Mines Ltd., in cooperation with the Baker Lake Hunters and Trappers Organization (HTO), want to understand hunting and fishing patterns by Baker Lake residents. Specifically, we want to understand how the Meadowbank and Whale Tail Gold Project, located north of Baker Lake, might change traditional harvesting patterns. To ensure that traditional hunting and fishing activities are not negatively affected, we have developed this calendar where participants can record harvest information throughout the year.

Near the back of the calendar is a page that shows the animal and fish species that are included in the study. Please write down the species, number, sex, and location of animals or fish that you have harvested on each date on the calendar. When writing down the location, please use the XY coordinate system provided on the nine maps at the back of the calendar.

For example, if you harvested a male caribou on January 16th on Big Hips Island you would write down "1 male caribou, AF19" in the January 16th square of the calendar.

You will also be visited or contacted by the hunter harvest coordinator occasionally throughout the year. The coordinator's job will be much easier if you write down your harvest information in the calendar as soon as possible.

Please return the calendar to the Agnico Eagle office in Baker Lake at the end of the year or give the calendar to the coordinator when he visits in January. Although each participant will receive a gift expressing our thanks, a draw will also be held in January for a number of high quality prizes.

If you have any questions., please contact the Baker Lake Harvest Study Consultant, Dylan White, at 1-266-500-4202 or dsgwhite@gmail.com. You can also contact an HTO member in the community or email Martin Gebauer at martin@gebauerassociates.com.

ᖃᓄᖅ ᐅᑦᓯᖏᓪᓗᑦ ᐊᑐᐃᐅᓯᖅᑕ

ᐊᒃᓱᒋ ᐃᔪ ᐅᕐᕋᖅᑕᓗᐊᑦ, ᐱᓕᓗᖅᑎᕋᖅᑐᓂᖅ ᖃᑦᓴᓕᐅᑎᑦᑎᓂ ᐅᒪᔨᓕᓚᐃᓪᓕᒋᑦ, ᑐᑭᓯᐊᓕᓕᒫᓕᕐᒪᔨᑦ ᒪᖃᑲᐃᓐᓂᑦᓴᒪᔨᑦ ᐊᑐᖅᑕᐅᖃᖅᑕᕐᕕᑐᖅᑐᑦ ᖃᑦᓴᓂᑐᐊᕐᕕᐅᓐᓂ. ᐱᓗᐊᖅᑐᑦᑎᓪ, ᖃᐅᓪᓚᒪᕐᓂ ᖃᓄᖅ ᐊᐅᖅᑎᐅᓪᓴᖅᑐᖅ ᐊᒪᓗᓗ Whale Tail ᔪᓗᑎᒃ ᐱᓕᓕᐊᖅ, ᐃᓂᐅᔨᒋᑐᖅ ᐅᐊᖏᓐᓇᖏᓂᓂ ᖃᑦᓴᓂᐅᐊᑦ, ᐊᓯᐊᖏᖅᑎᑕᑯᓘᒻᒥᓂ ᐱᖅᑯᓯᓕᕐᕕᐅᓐᓂᑦ ᓴᖃᑲᐃᓐᓂᑦᓴᒪᔨᑦ ᐊᑐᖅᑕᐅᖃᖅᑕᕐᕕᖅᑐᓂᖅ. ᐱᖅᑯᓯᓕᕐᕕᐅᓐᓂᑦ ᓴᖃᑲᐃᓐᓂᑦᓴᖅ ᐊᒪᓗᓗ ᐃᖃᓗᓐᓂᑦᓴᖅᑕᕐᕕᐅᓐᓂᑦ ᐱᐅᖏᑕᐃᑦ ᐊᑐᖅᑕᐅᖃᑯᓚᑕ, ᐋᑦᑭᓐᓄᑦᓯᓚᐅᑲᓪᓚᒻᒥᓂ ᐱᖅᑯᓯᓕᕐᕕᐅᓐᓂᑦ ᐃᓕᓴᕐᕕᖏᓐᓄᑦ ᐊᑐᖅᑕᐅᖃᖅᑕᕐᕕᐅᓐᓂᑦ ᓴᖃᑲᐃᓐᓂᑦᓴᖅ ᐅᑭᐅᖃᖅᑕᕐᕕᐅᓐᓂᑦ ᓴᖃᑲᐃᓐᓂᑦᓴᖅ ᐊᑐᖅᑕ

Produced By:



AGNICO EAGLE



and



APPENDIX H

Meadowbank Bird Surveys Report



MEADOWBANK COMPLEX

FINAL

2025 BREEDING BIRD SURVEYS AND PRISM PLOTS SUMMARY REPORT

15 DECEMBER 2025

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SECTION 1 • OVERVIEW

Environmental baseline studies were conducted in the Project area prior to Meadowbank Mine approvals and integrated into Project designs according to the Terrestrial Ecosystem Management Plan (TEMP). Wildlife Valued Ecosystem Components (VECs) for the Meadowbank Complex were identified in consultation with regulatory agencies and Baker Lake residents. Upland Breeding Birds was one of the key terrestrial VECs determined for the Meadowbank Mine; therefore, an extensive bird monitoring program, consisting of Program for Regional and International Shorebird Monitoring (PRISM) plots at the mine site and a reference area, and bird transects along the Meadowbank All-Weather Access Road (AWAR), was established to determine potential effects of the Meadowbank Mine. The breeding bird PRISM plot and bird transect monitoring programs were designed to evaluate potential Project-related changes in breeding bird species abundance, richness, and diversity over time.

In 2020, Agnico Eagle sent Environment and Climate Change Canada (ECCC) the comprehensive 2003-2015 analysis of all PRISM and breeding bird transect data. Results of the comprehensive analysis determined there were no significant effects of the Project or Mine-related infrastructure on bird abundance, diversity, or community composition, which supported that mitigation is effective. In 2022, Agnico Eagle Meadowbank Complex finalized a collaboration agreement with ECCC, with a focus on contributing to regional bird monitoring programs. The agreement includes a commitment to conduct 48 PRISM plots selected by Canadian Wildlife Service (CWS) over 10 years (2021 to 2031), and to complete Breeding Bird Survey (BBS) routes along the Meadowbank AWAR and the Whale Tail Haul Road (WTHR) opportunistically when qualified individuals are on site. At a minimum, BBS routes will be conducted every three (3) years during the operations, closure, and post-closure phases of the Project.

In 2022, two BBS routes, consisting of 50 stations each, were established along the AWAR and the WTHR. Also, four (4) of 48 designated PRISM plots were surveyed at Meadowbank site. In 2023, both BBS routes were surveyed, and 17 PRISM plots were completed at the Meadowbank site, while in 2024, both BBS routes were surveyed, and 13 PRISM plots were completed at the Meadowbank and Whale Tail sites. In 2025, both BBS routes were surveyed, and the remaining 14 PRISM plots (of 48) were completed at the Whale Tail site (**Table 1.1**).

Table 1.1: Summary of Breeding Bird Survey Routes (BBS) and PRISM Plots Completed between 2022 and 2025 at the Meadowbank and Whale Tail Sites.

Year	Breeding Bird Survey (BBS)		PRISM Plots	
	Meadowbank All-Weather Access Road (AWAR)	Whale Tail Haul Road (WTHR)	Meadowbank (MEA)	Whale Tail (AMA)
2022	Established	Established	4	
2023	Yes	Yes	17	
2024	Yes	Yes	7	6
2025	Yes	Yes		14
Total	**3 Years**	**3 Years**	**28**	**20**

The two most common species observed on both BBS and PRISM surveys over all survey years were Lapland Longspur (*Calcarius lapponicus*) and Horned Lark (*Eremophila alpestris)*. On the BBS surveys, in general, a higher number of bird diversity and abundance was observed along the AWAR route. Species at Risk observed during the BBS and PRISM surveys included Harris's Sparrow (*Zonotrichia querula*; Special Concern, COSEWIC and *SARA*, Sch 1); Lesser Yellowlegs (*Tringa flavipes*; Threatened, COSEWIC; Not listed by *SARA*), and Red-necked Phalarope (*Phalaropus lobatus*; Special Concern, COSEWIC and *SARA*, Sch 1).

One trend observed over the duration of the BBS and PRISM surveys is an increase in the number of Green-winged Teal (*Anas crecca*), with some breeding documented.

SECTION 2 • OBJECTIVES

The primary objectives of this report are to:

1) Provide a brief overview of the Meadowbank Complex and the rationale for breeding bird surveys;
2) Describe the methods used to conduct BBS and PRISM surveys;
3) Summarize results of the 2025 BBS and PRISM surveys;
4) Provide an overview of trends in diversity and abundance observed since surveys were initiated; and
5) Make recommendations for surveys in subsequent years.

SECTION 3 • METHODOLOGY

3.1 BREEDING BIRD SURVEYS (BBS)

Breeding Bird Survey (BBS) route stops were established in accordance with the North American BBS methods provided by CWS. These methods are coordinated by the United States Geological Survey's (USGS) Patuxent Wildlife Research Center in partnership with ECCC, CWS, and Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO, Mexico).

The BBS protocol consists of 50 survey stations set every 800 m for a total of 40 km along the Meadowbank AWAR (Route 62049) and 40 km along the Whale Tail Haul Road (Route 62091). The starting points and orientation of BBS routes along the AWAR and WTHR were chosen by ECCC personnel in early 2022 (see **Figures 3.1** and **3.2**). Stations were established by field personnel on 15 June 2022, and GPS coordinates and detailed descriptions of each station were recorded. The route and stations are a permanent survey to be conducted on a schedule provided by ECCC (i.e., at a minimum every three years during operations, closure, and post-closure, and opportunistically when PRISM surveys are conducted). The three years of BBS surveys (i.e., 2023 to 2025) were scheduled between 15 and 30 June, the prime bird breeding season.

Only one observer counted birds from each stationary point. Every bird seen or heard within 400 m was tallied during the designated three minutes at each stop. Birds documented beyond three minutes were not recorded. Birds seen between or before stops were not counted but were noted in the margin of the datasheet. The number of individuals in large flocks was estimated. Birds known to be non-breeding (late migrant, injured bird, or summer vagrant) were included but marked on the datasheet as a non-breeder. Species not already listed on the forms were added at the bottom. As well, the number of vehicles that passed by during each three-minute stop, excessive noise, and weather conditions were recorded.

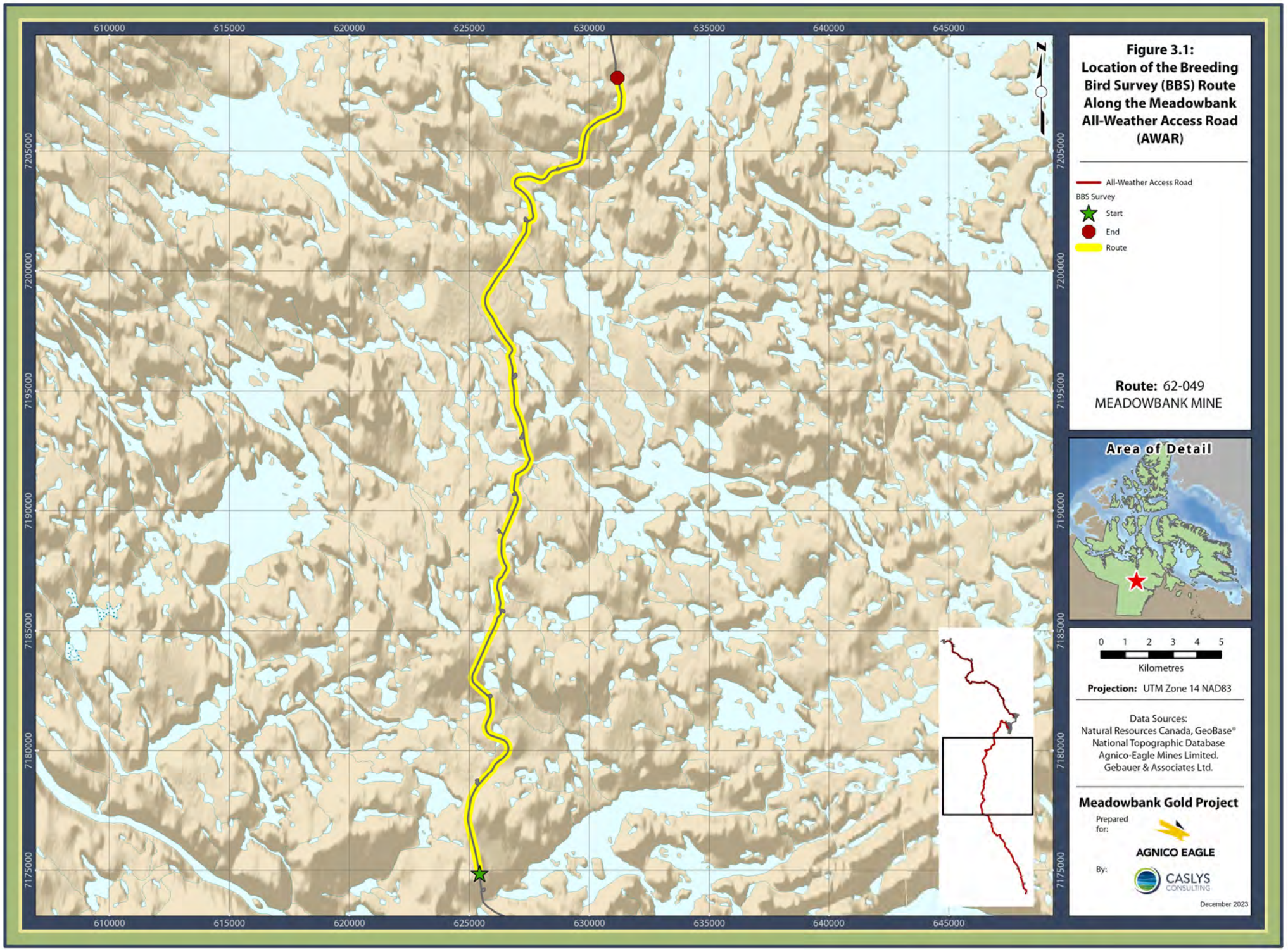
The BBS data were entered directly into the USGS system and copies of the datasheet were provided to the ECCC CWS BSS Coordinator by August 31, 2025. Valid stop descriptions of each stop along both routes were maintained and kept up to date in the USGS database. Agnico Eagle will notify the Canadian national BBS office if adjustments to stop locations are necessary due to safety issues.

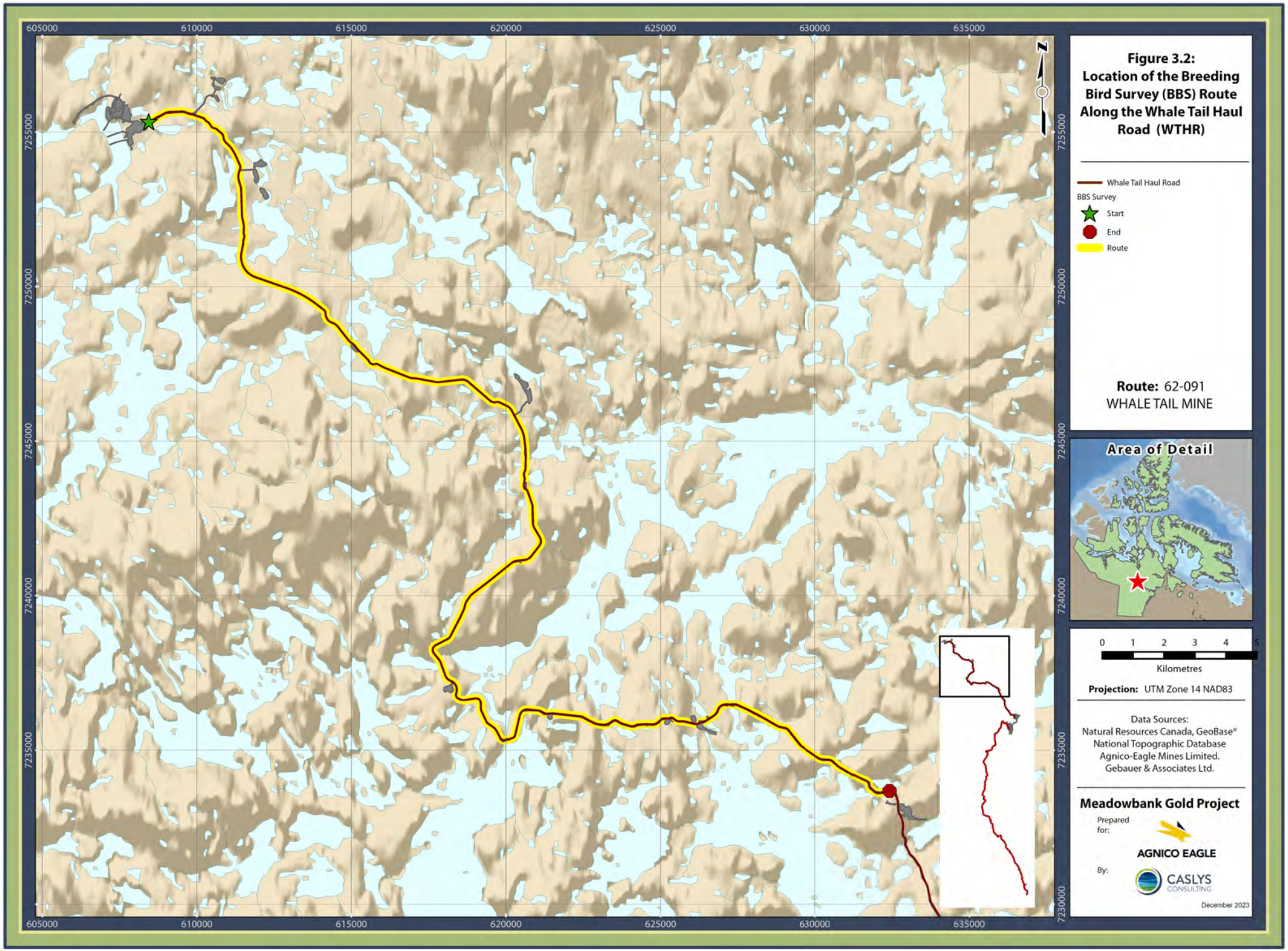
3.2 PRISM PLOTS

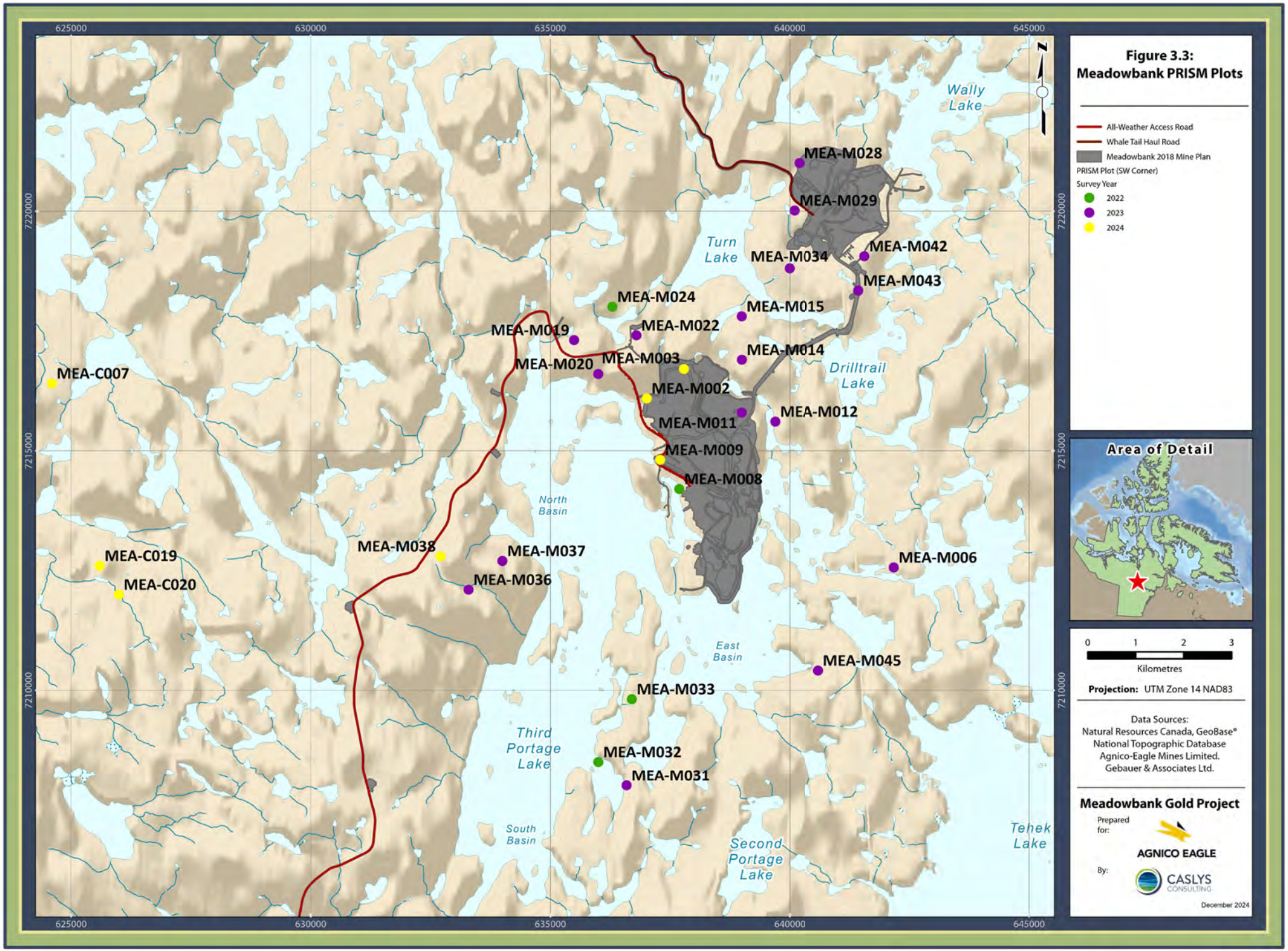
The PRISM plot surveys followed ECCC protocols (Bart et al. 2005) in compliance with the Meadowbank-ECCC Collaboration Agreement. A total of 48 plots were chosen by ECCC in early 2022, all of which were previously established at the Meadowbank, Whale Tail, and Control sites (see **Figures 3.3** and **3.4**). Four (4) plots were surveyed in 2022, 17 plots were surveyed in 2023, 13 plots were surveyed in 2024, and the remaining 14 plots were surveyed in 2025 (**Table 1.1**). Plots were chosen each year depending on access logistics (e.g., helicopter support), proximity to other PRISM plots, local weather conditions, and ECCC priority.

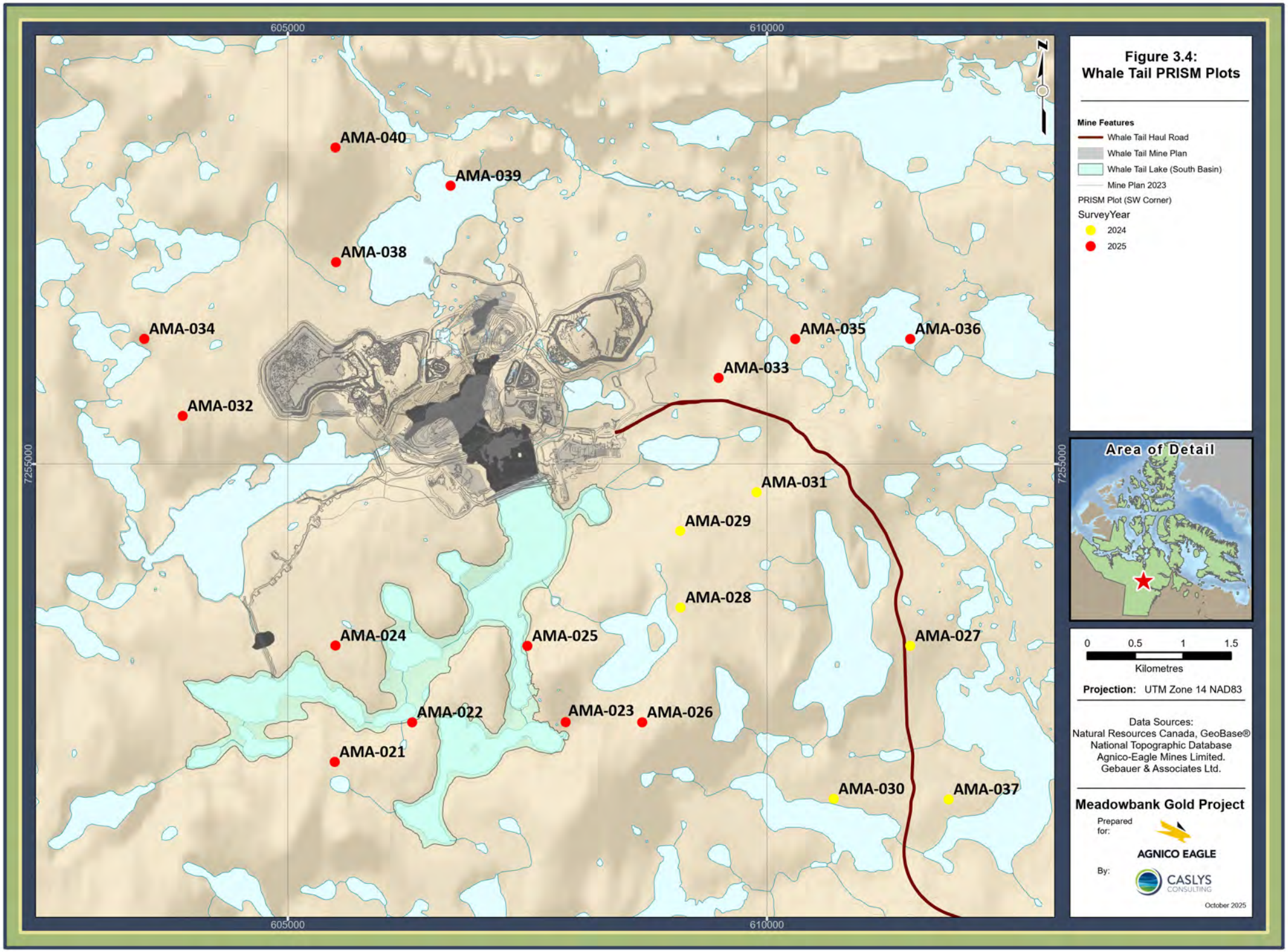
The 300x400m plots were surveyed by a team of two field qualified personnel that transected the site every 25 m (team members were spaced 25 m apart and used geolocation to orient along transect lines). The purpose of the surveys was to document all birds (i.e., absolute abundance) on the plots and to contribute to the ECCC Arctic database on bird diversity and abundance.

PRISM survey raw data will be provided to ECCC CWS technical expert and the CWS Environmental Assessment Officer every year by March 31. Raw data will include bird and plot habitat data entered in the CWS provided spreadsheet, and a digital scan of all field data sheets. Photos of PRISM plot corners were also taken each year.


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Figure 3.1:
Location of the Breeding Bird Survey (BBS) Route Along the Meadowbank All-Weather Access Road (AWAR)
All-Weather Access Road
BBS Survey
Start
End
Route
Route: 62-049
MEADOWBANK MINE
Area of Detail
0 1 2 3 4 5
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada, GeoBase® National Topographic Database
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
December 2023


605000
610000
615000
620000
625000
630000
635000
7255000
7250000
7245000
7240000
7235000
7230000
N
Figure 3.2:
Location of the Breeding Bird Survey (BBS) Route Along the Whale Tail Haul Road (WTHR)
Whale Tail Haul Road
BBS Survey
Start
End
Route
Route: 62-091
WHALE TAIL MINE
Area of Detail
0 1 2 3 4 5
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada, GeoBase®
National Topographic Database
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
December 2023


625000
630000
635000
640000
645000
7220000
7215000
7210000
Wally Lake
Turn Lake
Drilltrail Lake
North Basin
East Basin
South Basin
Third Portage Lake
Second Portage Lake
Tehek Lake
MEA-M028
MEA-M029
MEA-M042
MEA-M034
MEA-M043
MEA-M024
MEA-M015
MEA-M022
MEA-M019
MEA-M014
MEA-M020
MEA-M003
MEA-C007
MEA-M002
MEA-M012
MEA-M011
MEA-M009
MEA-M008
MEA-M038
MEA-M037
MEA-M006
MEA-C019
MEA-C020
MEA-M036
MEA-M045
MEA-M033
MEA-M032
MEA-M031
Figure 3.3:
Meadowbank PRISM Plots
All-Weather Access Road
Whale Tail Haul Road
Meadowbank 2018 Mine Plan
PRISM Plot (SW Corner)
Survey Year
2022
2023
2024
Area of Detail
0
1
2
3
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada, GeoBase®
National Topographic Database
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
December 2024


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AMA-040
AMA-039
AMA-038
AMA-034
AMA-035
AMA-036
AMA-033
AMA-032
AMA-031
AMA-029
AMA-028
AMA-024
AMA-025
AMA-027
AMA-022
AMA-023
AMA-026
AMA-021
AMA-030
AMA-037
N
Figure 3.4:
Whale Tail PRISM Plots
Mine Features
Whale Tail Haul Road
Whale Tail Mine Plan
Whale Tail Lake (South Basin)
Mine Plan 2023
PRISM Plot (SW Corner)
SurveyYear
2024
2025
Area of Detail
0
0.5
1
1.5
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada, GeoBase®
National Topographic Database
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
October 2025

SECTION 4 • BREEDING BIRD SURVEY (BBS) RESULTS

4.1 2025 RESULTS

The Meadowbank AWAR (62049) and WTHR (62091) routes were completed in 2025 (see **Table 4.1** for survey timing, **Figures 3.1** and **3.2** for general BBS locations).

Table 4.1: Breeding Bird Survey (BBS) 2025 Fieldwork Dates for Meadowbank All-Weather Access Road (AWAR) and Whale Tail Haul Road (WTHR) Routes.

Date & Time	Weather	Observers	Fieldwork Type
Meadowbank All-Weather Access Road (BBS Route 62049)			
June 15, 2025 03:30 to 08:12	Start: 1ºC, cloudy, 20-29 km/hr wind End: 4ºC, partly cloudy, 20-29 km/hr wind	Lars Qaqqaq Dylan White	BBS route station survey
Whale Tail Haul Road (BBS Route 62091)[1]			
Stations 1 to 40 June 16, 2025 03:30 to 06:45	Start: 2ºC, cloudy, 13-19 km/hr wind End: 3ºC, cloudy, 13-19 km/hr wind	Lars Qaqqaq Dylan White	BBS route station survey
Stations 41 to 50 June 18, 2025 06:45 to 07:57	Start: 3ºC, clear, 13-19 km/hr wind End: 3ºC, clear, 13-19 km/hr wind	Lars Qaqqaq Dylan White	BBS route station survey

[1] Note that the BBS was conducted over two days because of deteriorating weather conditions on June 16. As per protocols, the BBS was continued the next day at the same time as the survey was suspended the previous day.

A total of 21 bird species were recorded on the Meadowbank AWAR route in 2025. The five most common bird species were Lapland Longspur (79; cumulative number), Horned Lark (76), Canada Goose (*Branta canadensis*; 54), White-crowned Sparrow (*Zonotrichia leucophrys*; 27), and Savannah Sparrow (*Passerculus sandwichensis*; 23). Mammal species recorded incidentally included Arctic Hare (*Lepus arcticus*), Arctic Fox (*Vulpes lagopus*), Caribou (*Rangifer tarandus*), and Muskox (*Ovibos moschatus*). **Table 4.2** summarizes BBS results for the Meadowbank AWAR route.

A total number of 18 bird species were recorded on the WTHR route in 2025. The five most common bird species were Canada Goose (96; cumulative number), Lapland Longspur (63), Rock Ptarmigan (*Lagopus muta*; 31), Horned Lark (24), and White-crowned Sparrow (22). Mammal species recorded incidentally included Arctic Hare, Arctic Fox, Caribou, Ermine (*Mustela richardsonii*), and Muskox. **Table 4.2** summarizes BBS results for the WTHR route.

In general, higher bird diversity and abundance was observed on the Meadowbank AWAR route than on the WTHR route (**Table 4.2**); however, some species, including American Pipit (*Anthus rubescens*), Least Sandpiper (*Calidris minutilla*), Rock Ptarmigan, and Red-throated Loon (*Gavia stellata*), were more commonly observed along the WTHR route.

Table 4.2: Breeding Bird Survey (BBS) 2023 to 2025 Results for Meadowbank All-Weather Access Road (AWAR) and Whale Tail Haul Road (WTHR) Routes. Numbers are cumulative across all 50 survey points.

Common Name	Scientific Name	AWAR				WTHR			
		2023	2024	2025	Cumulative #	2023	2024	2025	Cumulative #
BIRDS									
American Golden Plover	*Pluvialis dominica*	1	1	1	**3**				**0**
American Pipit	*Anthus rubescens*	1		1	**2**	3	4	4	**11**
American Robin	*Turdus migratorius*		1		**1**		1		**1**
Bald Eagle	*Haliaeetus leucocephalus*	1			**1**	1			**1**
Canada Goose	*Branta canadensis*	141	31	54	**226**	51	33	96	**180**
Common Loon	*Gavia immer*	5	1	2	**8**	1		1	**2**
Common Merganser	*Mergus merganser*		2		**2**				**0**
Common Raven	*Corvus corax*	6	5		**11**	2	2		**4**
Greater Scaup	*Aythya marila*	6	4		**10**				**0**
Greater White-fronted Goose	*Anser albifrons*			2	**2**				**0**
Green-winged Teal	*Anas crecca*			1	**1**		1	3	**4**
Harris's Sparrow *Special Concern (COSEWIC)* *Special Concern (SARA, Sch 1)*	*Zonotrichia querula*		1		**1**		1		**1**
Herring Gull	*Larus argentatus*	20	10	16	**46**	4	5	5	**14**
Horned Lark	*Eremophila alpestris*	113	71	76	**260**	81	59	24	**164**
Lapland Longspur	*Calcarius lapponicus*	203	171	79	**453**	142	156	63	**361**
Least Sandpiper	*Calidris minutilla*		3		**3**	3	5	7	**15**
Lesser Yellowlegs *Threatened (COSEWIC)* *Not Listed (SARA)*	*Tringa flavipes*				**0**		1		**1**

Table 4.2: Continued.

Common Name	Scientific Name	AWAR				WTHR			
		2023	2024	2025	Cumulative #	2023	2024	2025	Cumulative #
BIRDS									
Long-tailed Duck	*Clangula hyemalis*	12	9		**21**	5	2	10	**17**
Northern Pintail	*Anas acuta*		8	10	**18**		2	2	**4**
Parasitic Jaeger	*Stercorarius parasiticus*		1	1	**2**				**0**
Peregrine Falcon	*Falco peregrinus*	1	1		**2**				**0**
Redpoll sp.	*Acanthis* sp.	31	39	16	**86**	18	28	18	**64**
Red-breasted Merganser	*Mergus serrator*			2	**2**	2	1		**3**
Red-necked Phalarope *Special Concern (COSEWIC)* *Special Concern (SARA, Sch 1)*	*Phalaropus lobatus*	1			**1**				**0**
Red-throated Loon	*Gavia stellata*				**0**	2	2	2	**6**
Rock Ptarmigan	*Lagopus muta*	2	11	8	**21**	17	39	31	**87**
Rough-legged Hawk	*Buteo lagopus*	1			**1**				**0**
Sandhill Crane	*Grus canadensis*	34		5	**39**		4		**4**
Savannah Sparrow	*Passerculus sandwichensis*	52	32	23	**107**	32	13	7	**52**
Semipalmated Plover	*Charadrius semipalmatus*	1		2	**3**		4	1	**5**
Semipalmated Sandpiper	*Calidris pusilla*	12	24	13	**49**	13	12	8	**33**
Snow Goose	*Anser caerulescens*	4	2		**6**	1	10		**11**
Tundra Swan	*Cygnus columbianus*			2	**2**		1		**1**
White-crowned Sparrow	*Zonotrichia leucophrys*	33	45	27	**105**	14	33	22	**69**
Willow Ptarmigan	*Lagopus lagopus*	12	35	18	**65**	1	2	1	**4**
Wilson's Snipe	*Gallinago delicata*	2			**2**				**0**
Total # of Species		**24**	**23**	**21**	**34**	**19**	**25**	**18**	**27**

Table 4.2: Continued.

Common Name	Scientific Name	AWAR				WTHR			
		2023	2024	2025	Cumulative #	2023	2024	2025	Cumulative #
MAMMALS[1]									
Arctic Hare	*Lepus arcticus*	3	5	4	12	2		3	5
Arctic Fox	*Vulpes lagopus*	3	1	1	5	1		1	2
Arctic Ground Squirrel	*Spermophilus parryii*		2		2				0
Barren-land Caribou	*Rangifer tarandus*	3	18	12	33	78	9	3	90
Ermine	*Mustela richardsonii*				0			1	1
Muskox	*Ovibos moschatus*	2	1	1	4	42	36	45	123
Total # of Species		**4**	**5**	**4**	**5**	**4**	**2**	**5**	**5**

[1] Double-counting of Caribou and Muskox occurred.

BBS data were entered and submitted into the USGS system in July 2025, and copies of the datasheet were provided by email to ECCC CWS BSS Coordinator by 31 August 2025. Valid stop descriptions of each stop along both routes were also maintained in the USGS database and no adjustments to stop locations were needed for the 2025 surveys along both AWAR and WTHR.

4.2 SUMMARY OF 2023 TO 2025 RESULTS

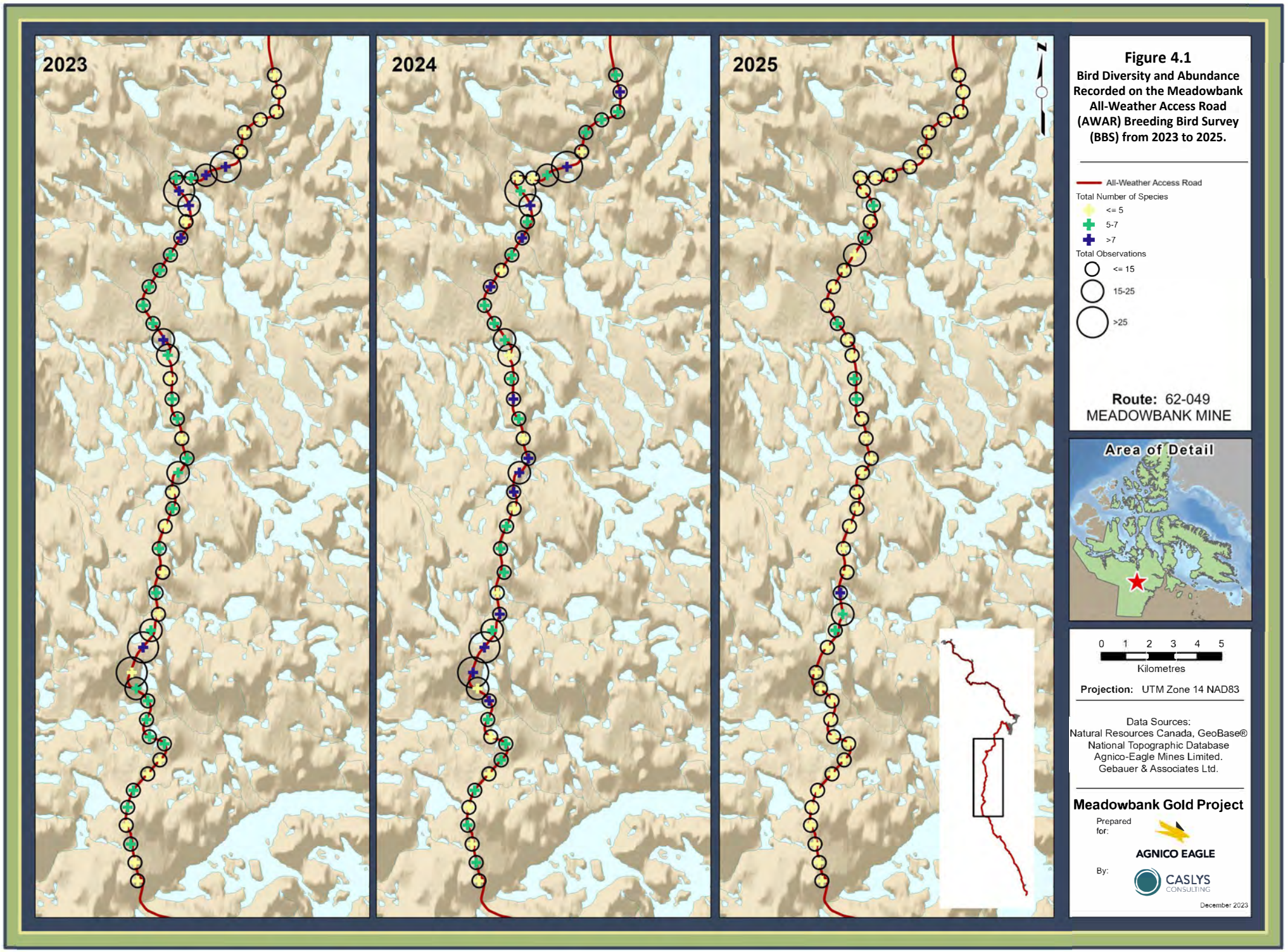
A summary of BBS results from 2023 to 2025 are provided in **Table 4.2**. Comparable numbers of species were seen on the AWAR from 2023 to 2025 (i.e., 24, 23, and 21 species) and on the WTHR (i.e., 19, 25, and 18 species). Overall, bird diversity and abundance and diversity was higher along the AWAR route than the WTHR route (**Table 4.2**).

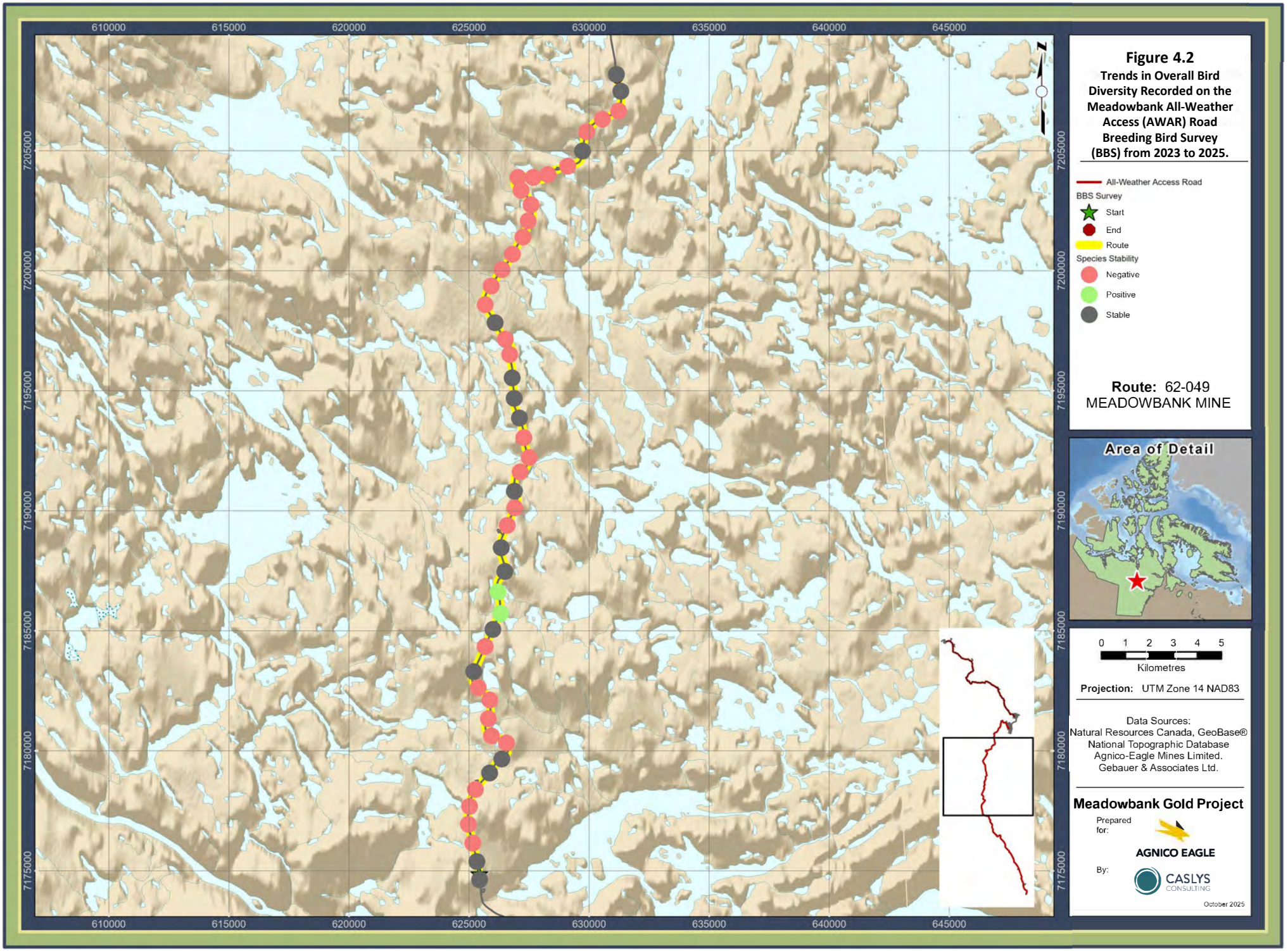
Some preliminary differences in bird abundance and diversity on the BBS between years along the AWAR are provided in **Figures 4.1, 4.2** and **4.3**. **Figure 4.1** summarizes bird diversity and abundance for each of the three years of the survey (2023 to 2025) along the AWAR, while **Figure 4.2** illustrates the trend in number of species observed over the three years. Thirty-two (32) of 50 stations (64%) showed a negative trend, while two (2) of 50 stations (4%) showed a positive trend. When trends for the five most common species (i.e., Lapland Longspur, Horned Lark, Canada Goose, White-crowned Sparrow, and Savannah Sparrow) are mapped, only 15 of 50 stations (30%) show a negative trend with most being stable (**Figure 4.3**).

Similarly, differences in bird abundance and diversity on the BBS between years along the WTHR are provided in **Figures 4.4, 4.5** and **4.6**. **Figure 4.4** summarizes bird diversity and abundance for each of the three years of the survey (2023 to 2025) along the WTHR, while **Figure 4.5** illustrates the trend in number of species observed over the three years. Unlike the trends noted along the AWAR, only 15 of 50 stations (30%) showed a negative trend, while 11 of 50 stations (22%) showed a positive trend. When trends for the five most common species (i.e., Canada Goose, Lapland Longspur, Rock Ptarmigan, Horned Lark, and White-crowned Sparrow) are mapped, only seven (7) of 50 stations (14%) showed a negative trend with most being stable (**Figure 4.6**).

Three listed species were observed at low numbers: Harris's Sparrow (Special Concern, COSEWIC and *SARA*, Sch 1; observed along AWAR and WTHR); Lesser Yellowlegs (Threatened, COSEWIC; not listed by *SARA*; only observed along WTHR), and Red-necked Phalarope (Special Concern, COSEWIC and *SARA*, Sch 1; only observed along AWAR). Harris's Sparrow and Red-necked Phalarope are rare breeders north of the Baker Lake area but more common along the Thelon River system. Lesser Yellowlegs breeds in the boreal forest and is a vagrant in the Arctic.

Green-winged Teal has been seen with increasing frequency in the last two years of the survey. The data suggests an increasing trend; however, additional years of BBS data are required to determine whether this trend will persist.


2023
2024
2025
N
Figure 4.1
Bird Diversity and Abundance Recorded on the Meadowbank All-Weather Access Road (AWAR) Breeding Bird Survey (BBS) from 2023 to 2025.
All-Weather Access Road
Total Number of Species
<= 5
5-7
>7
Total Observations
<= 15
15-25
>25
Route: 62-049
MEADOWBANK MINE
Area of Detail
0 1 2 3 4 5
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada, GeoBase® National Topographic Database
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
December 2023


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Figure 4.2
Trends in Overall Bird Diversity Recorded on the Meadowbank All-Weather Access (AWAR) Road Breeding Bird Survey (BBS) from 2023 to 2025.
All-Weather Access Road
BBS Survey
Start
End
Route
Species Stability
Negative
Positive
Stable
Route: 62-049
MEADOWBANK MINE
Area of Detail
0 1 2 3 4 5
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada, GeoBase® National Topographic Database
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
October 2025

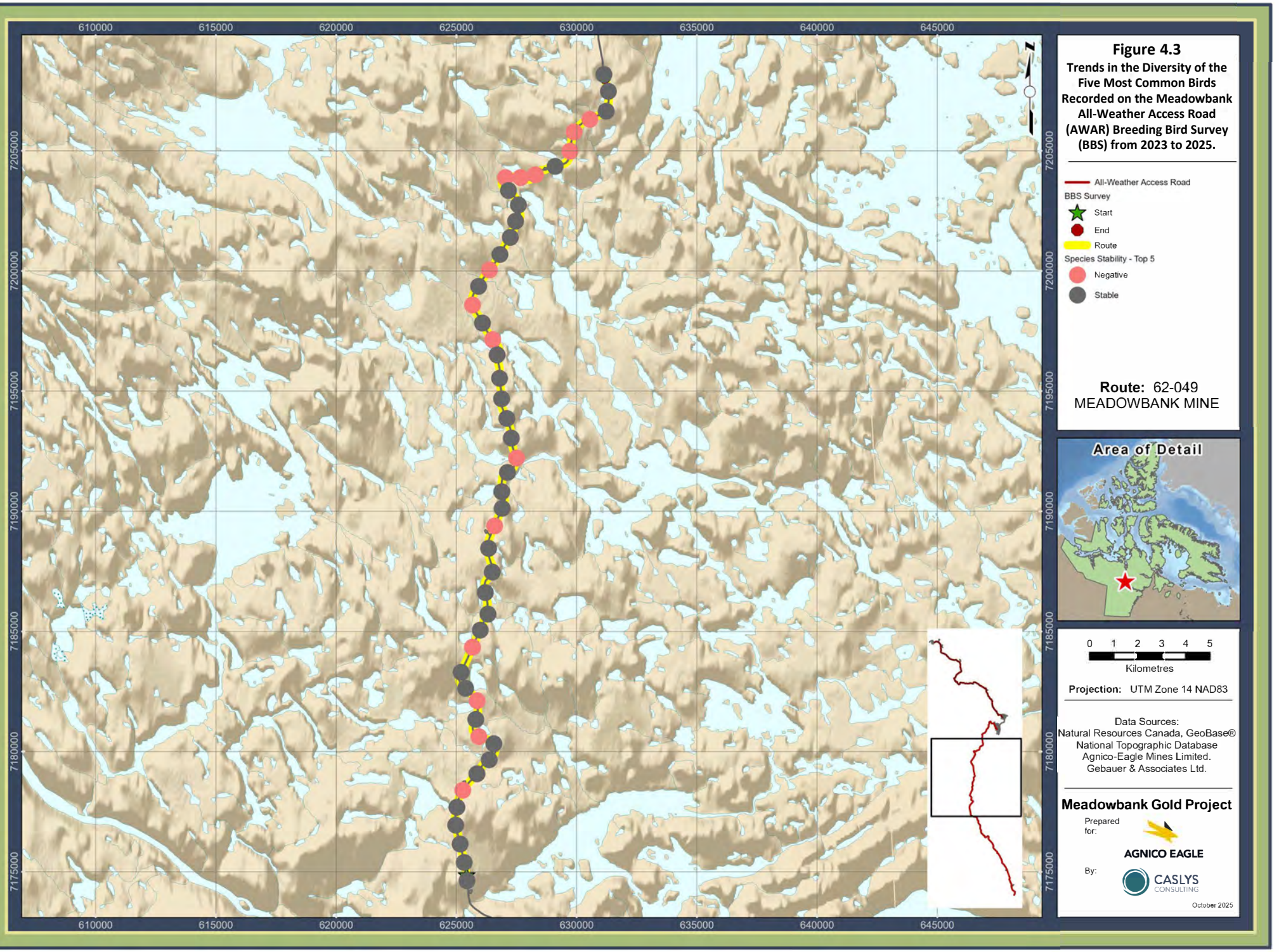


Figure 4.3

Trends in the Diversity of the Five Most Common Birds Recorded on the Meadowbank All-Weather Access Road (AWAR) Breeding Bird Survey (BBS) from 2023 to 2025.

All-Weather Access Road

BBS Survey

Start

End

Route

Species Stability - Top 5

Negative

Stable

Route: 62-049
MEADOWBANK MINE

Area of Detail

0 1 2 3 4 5
Kilometres

Projection: UTM Zone 14 NAD83

Data Sources:
Natural Resources Canada, GeoBase® National Topographic Database
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.

Meadowbank Gold Project

Prepared for: AGNICO EAGLE

By: CASLYS CONSULTING

October 2025

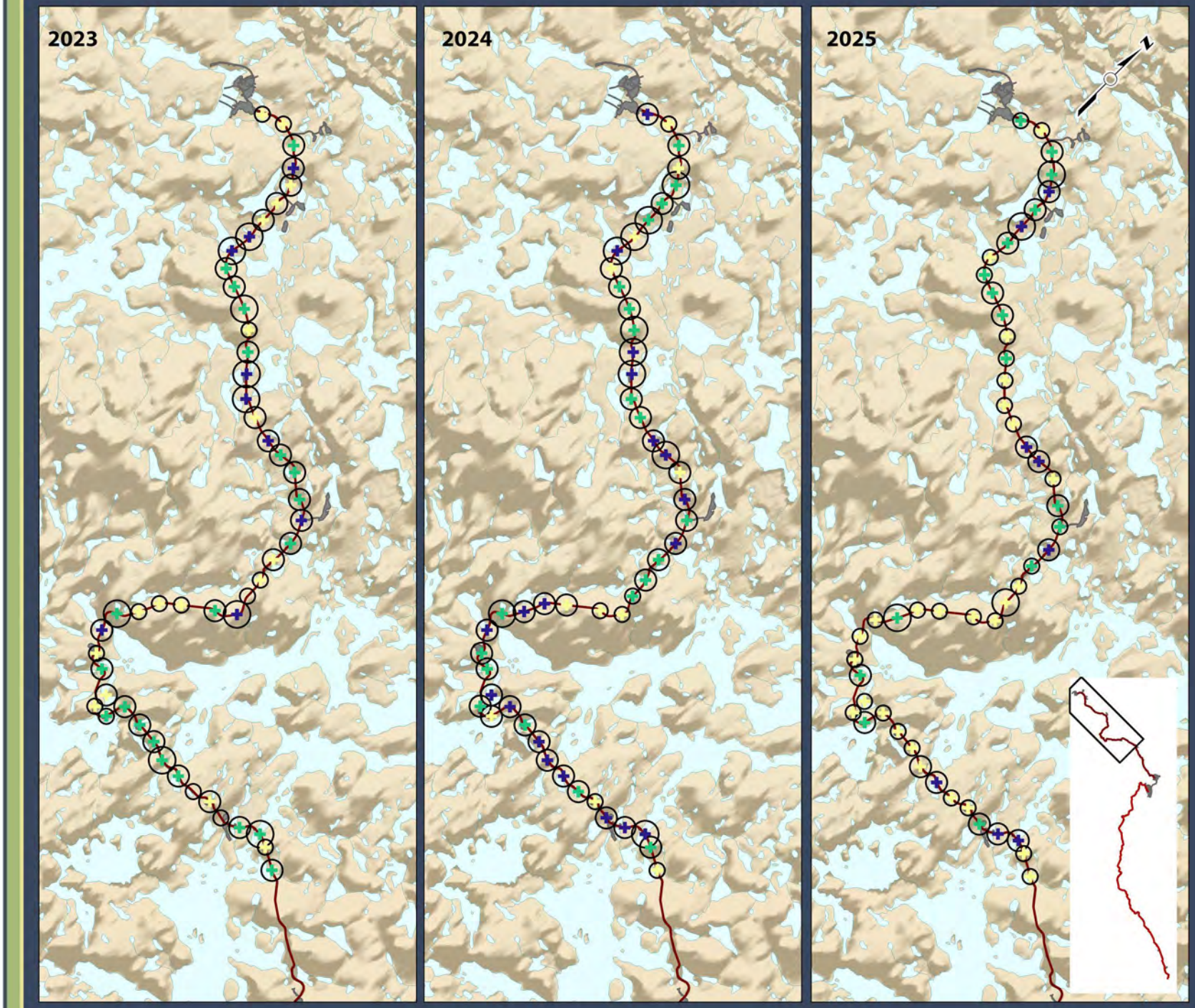


Figure 4.4
Bird Diversity and Abundance Recorded on the Whale Tail Haul Road (WTHR) Breeding Bird Survey (BBS) from 2023 to 2025.

Whale Tail Haul Road

Total Number of Species
- <=3
- 3-5
- >5

Total Observations
- <=5
- 6-10
- >10

Route: 62-091
WHALE TAIL MINE

Area of Detail

0 1 2 3 4 5
Kilometres

Projection: UTM Zone 14 NAD83

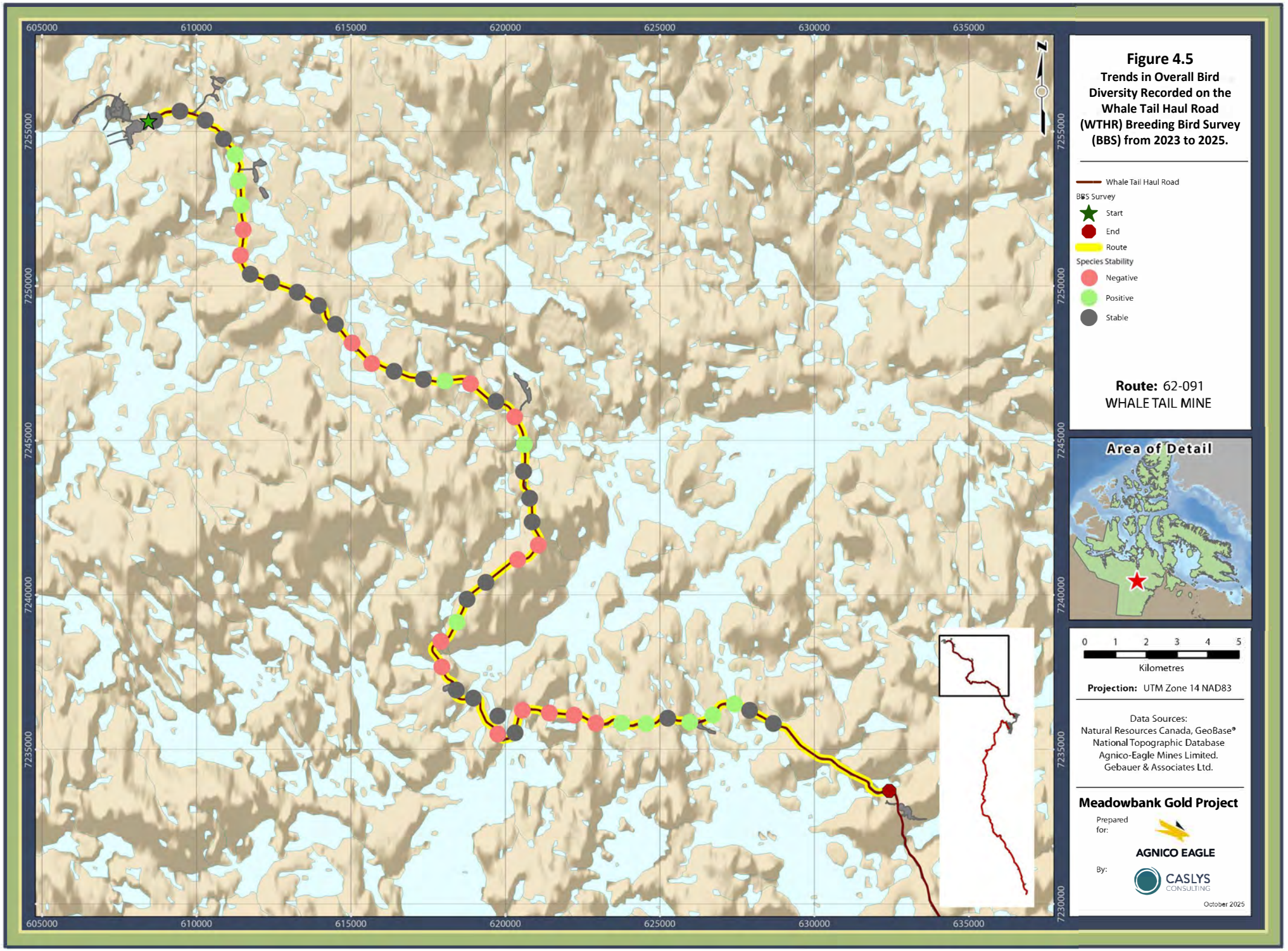
Data Sources:
Natural Resources Canada, GeoBase® National Topographic Database
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.

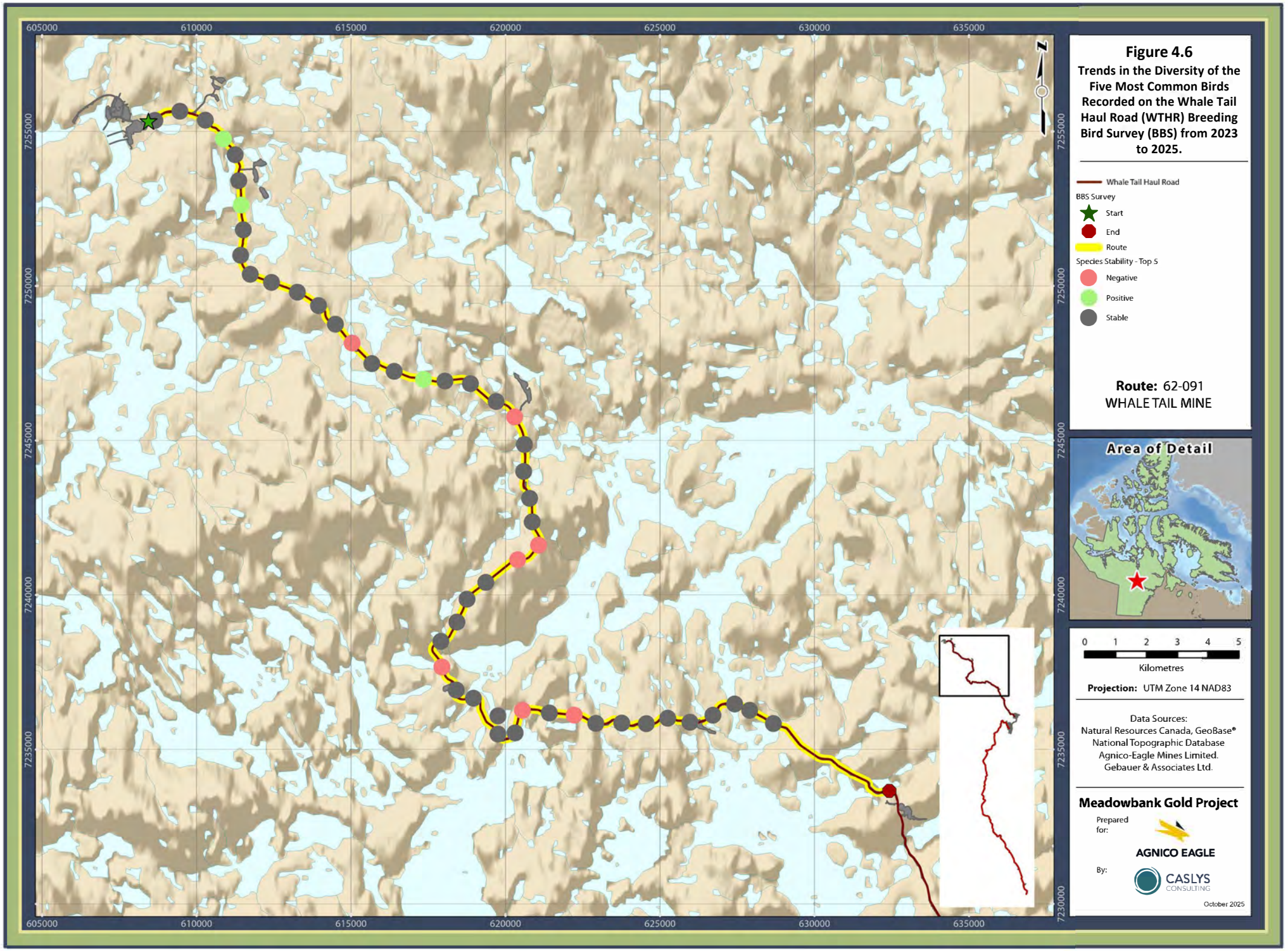
Meadowbank Gold Project

Prepared for:
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October 2025


605000
610000
615000
620000
625000
630000
635000
7255000
7250000
7245000
7240000
7235000
7230000
N
Figure 4.5
Trends in Overall Bird Diversity Recorded on the Whale Tail Haul Road (WTHR) Breeding Bird Survey (BBS) from 2023 to 2025.
Whale Tail Haul Road
BBS Survey
Start
End
Route
Species Stability
Negative
Positive
Stable
Route: 62-091
WHALE TAIL MINE
Area of Detail
0 1 2 3 4 5
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada, GeoBase® National Topographic Database
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
October 2025


605000
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Figure 4.6
Trends in the Diversity of the Five Most Common Birds Recorded on the Whale Tail Haul Road (WTHR) Breeding Bird Survey (BBS) from 2023 to 2025.
Whale Tail Haul Road
BBS Survey
Start
End
Route
Species Stability - Top 5
Negative
Positive
Stable
Route: 62-091
WHALE TAIL MINE
Area of Detail
0 1 2 3 4 5
Kilometres
Projection: UTM Zone 14 NAD83
Data Sources:
Natural Resources Canada, GeoBase® National Topographic Database
Agnico-Eagle Mines Limited.
Gebauer & Associates Ltd.
Meadowbank Gold Project
Prepared for:
AGNICO EAGLE
By:
CASLYS CONSULTING
October 2025

SECTION 5 • PRISM PLOT RESULTS

5.1 2025 RESULTS

Fourteen (14) PRISM plots were surveyed in 2025 between June 16 and 21: AMA-021, AMA-022, AMA-023, AMA-024, AMA-025, AMA-026, AMA-032, AMA-033, AMA-034, AMA-035, AMA-036, AMA-038, AMA-039, and AMA-040 (see **Table 5.1** for timing and weather details, **Figures 3.3** and **3.4** for plot locations). The focus in 2025 was remaining PRISM plots around the Whale Tail area.

Nests of Lapland Longspur (4 nests), American Pipit (1), and Redpoll sp. (*Acanthis* sp.; 1) were documented on PRISM plots in 2025. Nests of Lapland Longspur (2 nests), and American Golden Plover (*Pluvialis dominica*; 1) were observed incidentally outside PRISM plots. Nest details and photos are provided in **Table 5.2** and **Appendix I**.

Table 5.1: Meadowbank PRISM Plot 2025 Fieldwork Details.

Plot (AMA)	Date	Time	Weather	Observers[1]
AMA-021	June 18	10:30 to 11:50	6ºC, mainly clear, no precipitation, moderate breeze	LQ & DW
AMA-022	June 18	12:24 to 13:40	8ºC, mainly clear, no precipitation, gentle breeze	LQ & DW
AMA-023	June 17	12:18 to 13:50	5ºC, cloudy, no precipitation, moderate breeze	LQ & DW
AMA-024	June 18	14:10 to 15:30	~9ºC, mainly clear, no precipitation, light breeze	LQ & DW
AMA-025	June 17	14:35 to 15:50	~7ºC, cloudy, no precipitation/drizzle, moderate breeze	LQ & DW
AMA-026	June 17	10:10 to 11:30	~4ºC, cloudy, freezing drizzle, fresh breeze	LQ & DW
AMA-032	June 20	12:22 to 13:50	7ºC, mainly clear, no precipitation, moderate breeze	LQ & DW
AMA-033	June 16	13:15 to 14:33	6ºC, cloudy, no precipitation/drizzle, gentle breeze	LQ & DW
AMA-034	June 20	10:36 to 11:54	5ºC, mainly clear, no precipitation, moderate breeze	LQ & DW
AMA-035	June 18	17:55 to 19:30	~9ºC, mainly clear, no precipitation, gentle breeze	LQ & DW
AMA-036	June 19	14:05 to 15:30	2ºC, cloudy, drizzle, fresh breeze	LQ & DW
AMA-038	June 20	14:23 to 15:42	7C, mainly clear, no precipitation, moderate breeze	LQ & DW
AMA-039	June 20	16:10 to 17:21	~8ºC, mainly clear, no precipitation, moderate breeze	LQ & DW
AMA-040	June 21	09:55 to 11:30	3ºC, mainly clear, no precipitation, moderate breeze	LQ & DW

[1] LQ = Lars Qaqqaq; DW = Dylan White

Twenty-three (23) bird and three (3) mammal species were observed during 2025 PRISM plot surveys (**Table 5.3**). Nine (9) of these (8 birds and 1 mammal) were only observed incidentally outside plots, while the other species were observed while surveying PRISM plots (**Table 5.3**). Species numbers, behaviours, nests, and other details have been recorded in the PRISM plot data spreadsheets as per the templates provided by CWS that will be provided to ECCC by March 31, 2026.

Table 5.2: Details and Representative Photos of Nests Found during 2025 PRISM Plots.

Date (2025)	Plot (AMA)	Nest Name	Species[1]	# of Eggs/ Chicks	UTM Coordinates (14W)	Details	Representative Photo
June 18	AMA-021	AMA-021_LALO	LALO	5	605779 7252215	On Heath Tundra under vegetation; female flushed	
June 18	AMA-022	AMA-022_LALO	LALO	5	606418 7252645	On Heath Tundra only partially under vegetation; female flushed	
June 17	AMA-026	AMA-026_LALO	LALO	5	608989 7252302	On Heath Tundra only partially under vegetation; female flushed	
June 17	AMA-026 (outside plot)	AMA-026_AMGP	AMGP	4	608790 7252290	Fully exposed in open in Rock Lichen habitat; female flushed	

Table 5.2: Continued.

Date (2025)	Plot (AMA)	Nest Name	Species[1]	# of Eggs/ Chicks	UTM Coordinates (14W)	Details	Representative Photo
June 20	AMA-032	AMA-032_AMPI	AMPI	5	604106 7255681	Nest hidden on Heath Tundra with Rock Habitat; female flushed	
June 20	AMA-038 (outside plot)	AMA-038_LALO	LALO	4	605572 7257525	On Heath Tundra partially hidden under vegetation; female flushed	
June 21	AMA-040	AMA-040_LALO Nest 1	LALO	2/2	605625 7258645	Fairly exposed on Heath Tundra; female flushed	
June 21	AMA-040	AMA-040_REDP	REDP	5	605700 7258343	Fairly exposed in Shrub Birch; female flushed	

Table 5.2: Continued.

Date (2025)	Plot (AMA)	Nest Name	Species[1]	# of Eggs/ Chicks	UTM Coordinates (14W)	Details	Representative Photo
June 21	AMA-040 (outside plot)	AMA-040_LALO Nest 2	LALO	4	605671 7258275	On Heath Tundra under vegetation; female flushed	

[1] AMGP = American Golden Plover; AMPI = American Pipit; LALO = Lapland Longspur; REDP = Redpoll species

Table 5.3: Wildlife Species Observed on PRISM Plots in 2025. Additional Species Observed outside Plots are Listed as Incidental. Species only Observed Incidentally are in Gray.

Common Name	Scientific Name	AMA-0														Incidental (Plot #s)
		21	22	23	24	25	26	32	33	34	35	36	38	39	40	
Birds																
American Golden Plover	*Pluvialis dominica*						1									AMA-026
American Pipit	*Anthus rubescens*	2						2	1					4		AMA-034
American Robin	*Turdus migratorius*															AMA-035
Canada Goose	*Branta canadensis*		10	2												AMA-021, AMA-022, AMA-023, AMA-035
Common Loon	*Gavia immer*															AMA-023, AMA-038
Common Raven	*Corvus corax*															AMA-024, AMA-026, AMA-035
Green-winged Teal	*Anas crecca*		2													AMA-022
Herring Gull	*Larus argentatus*											1				AMA-025, AMA-026
Hoary Redpoll	*Acanthis hornemanni*			5	3			3		1	1	3	1		2	AMA-035, AMA-040
Horned Lark	*Eremophila alpestris*	2		3	1	2	1	2	1	2	3	5	2		3	AMA-023, AMA-032, AMA-033, AMA-035, AMA-036
Lapland Longspur	*Calcarius lapponicus*	8	10	8	3	8	9	2	6	4	4	5	5	1	10	AMA-022, AMA-024, AMA-032, AMA-033, AMA-034, AMA-038, AMA-040
Least Sandpiper	*Calidris minutilla*					1					1					
Long-tailed Duck	*Clangula hyemalis*															AMA-023
Redpoll sp.	*Acanthis sp.*	4	2		2									1	3	AMA-024
Red-breasted Merganser	*Mergus serrator*															AMA-036
Red-throated Loon	*Gavia stellata*															AMA-033
Rock Ptarmigan	*Lagopus muta*			1	1	2	2			1						AMA-023, AMA-025
Savannah Sparrow	*Passerculus sandwichensis*		1	1	1				1				1		1	AMA-033, AMA-040
Semipalmated Plover	*Charadrius semipalmatus*			1					1		2		1			AMA-036

Table 5.3: Continued.

Common Name	Scientific Name	AMA-0														Incidental (Plot #s)
		21	22	23	24	25	26	32	33	34	35	36	38	39	40	
Birds																
Semipalmated Sandpiper	*Calidris pusilla*	2	10		2	3	2				1	6	1			AMA-036
Tundra Swan	*Cygnus columbianus*															AMA-021
White-crowned Sparrow	*Zonotrichia leucophrys*			1				1		1				1	1	AMA-033, AMA-035
Yellow-billed Loon	*Gavia adamsii*															AMA-034
Total # of Species		**5**	**6**	**8**	**6**	**5**	**5**	**5**	**5**	**5**	**6**	**5**	**6**	**4**	**5**	
Mammals																
Barren-ground Caribou	*Rangifer tarandus* ssp. *groenlandicus*	2														
Lemming sp.		1														
Muskox	*Ovibos moschatus*															AMA-024, AMA-032

5.2 SUMMARY OF RESULTS TO DATE

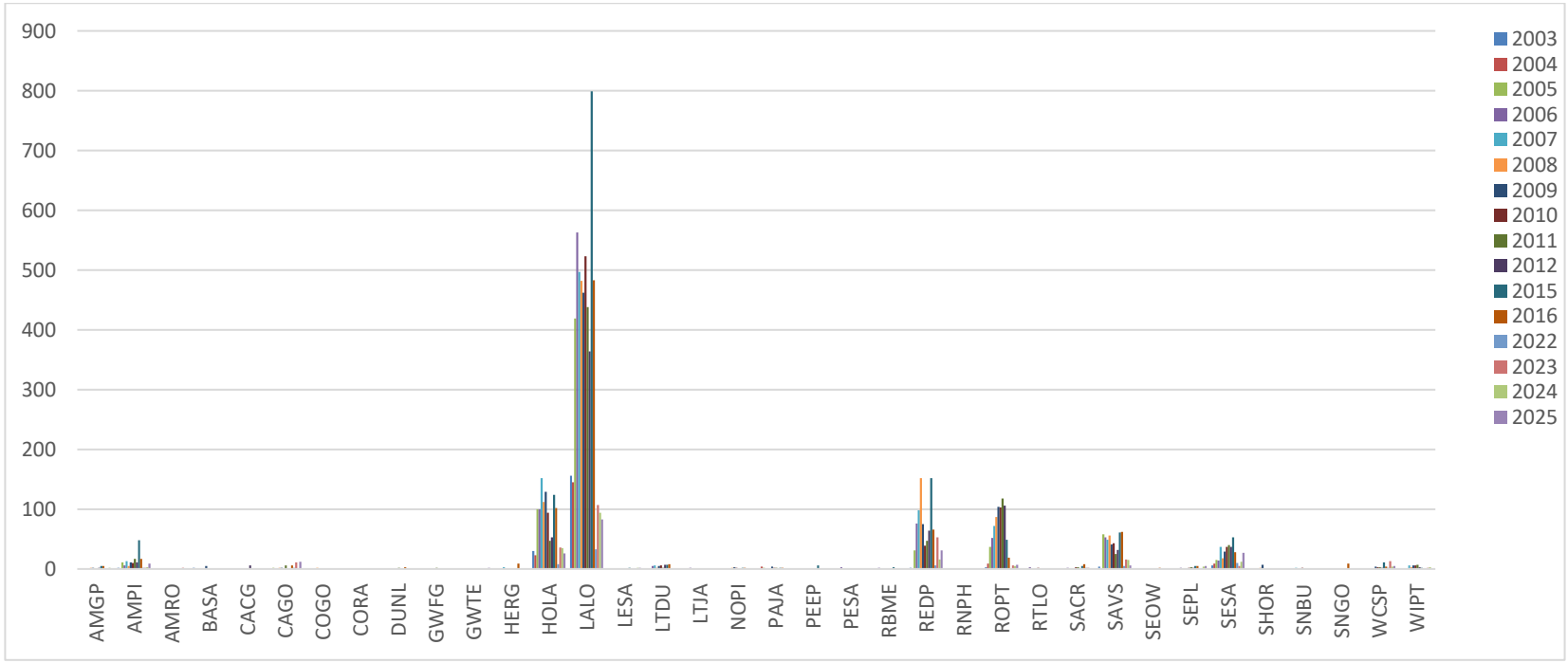
PRISM plots were conducted in 16 separate years between 2003 and 2025. A total of 65 plots were established with 25 plots near the Meadowbank Mine area, 20 Control plots southwest of the Meadowbank Mine, and 20 plots at the Whale Tail Mine site. **Table 5.4** summarizes the number of plots surveyed in each year and at each site.

Table 5.4: Summary of PRISM Plots Conducted at the Meadowbank, Whale Tail, and Control Sites Between 2003 and 2025.

Year	Meadowbank	Whale Tail	Control
2003	13		
2004	12		
2005	19		20
2006	24		19
2007	25		20
2008	25		20
2009	25		20
2010	25		20
2011	25		20
2012	25		20
2015	25	20	20
2016		20	20
2022	4		
2023	17		
2024	4	6	3
2025		14	
Total	**268**	**60**	**202**

Over all years, the ten (10) most common species from most to least abundant were Lapland Longspur, Horned Lark, redpoll sp., Rock Ptarmigan, Savannah Sparrow, Semipalmated Sandpiper (*Calidris pusilla*), American Pipit, White-crowned Sparrow, Long-tailed Duck (*Clangula hyemalis*), and Canada Goose (see **Figure 5.1**).

A comparison of the average number of birds seen each year in each of the three study areas is provided in **Figure 5.2**. In general, the average number of birds seen per plot has been relatively consistent over the years.



Bird Codes: AMGP (American Golden Plover), AMPI (American Pipit), AMRO (American Robin), BASA (Baird's Sandpiper), CACG (Cackling Goose), CAGO (Canada Goose), COGO (Common Goldeneye), CORA (Common Raven), DUNL (Dunlin), GWFG (Greater White-fronted Goose), GWTE (Green-winged Teal), HERG (Herring Gull), HOLA (Horned Lark), LALO (Lapland Longspur), LESA (Least Sandpiper), LTDU (Long-tailed Duck), LTJA (Long-tailed Jaeger), NOPI (Northern Pintail), PAJA (Parasitic Jaeger), Peep (Small Sandpiper), PESA (Pectoral Sandpiper), RBME (Red-breasted Merganser), REDP (Redpoll), RNPH (Red-necked Phalarope), ROPT (Rock Ptarmigan), RTLO (Red-throated Loon), SACR (Sandhill Crane), SAVS (Savannah Sparrow), SEOW (Short-eared Owl), SEPL (Semipalmated Plover), SESA (Semipalmated Sandpiper), SHOR (Shorebird), SNBU (Snow Bunting), SNGO (Snow Goose), WCSP (White-crowned Sparrow), WIPT (Willow Ptarmigan)

Figure 5.1: Bird Species Observed on PRISM Plots at the Meadowbank, Whale Tail, and Control Locations between 2003 and 2025.

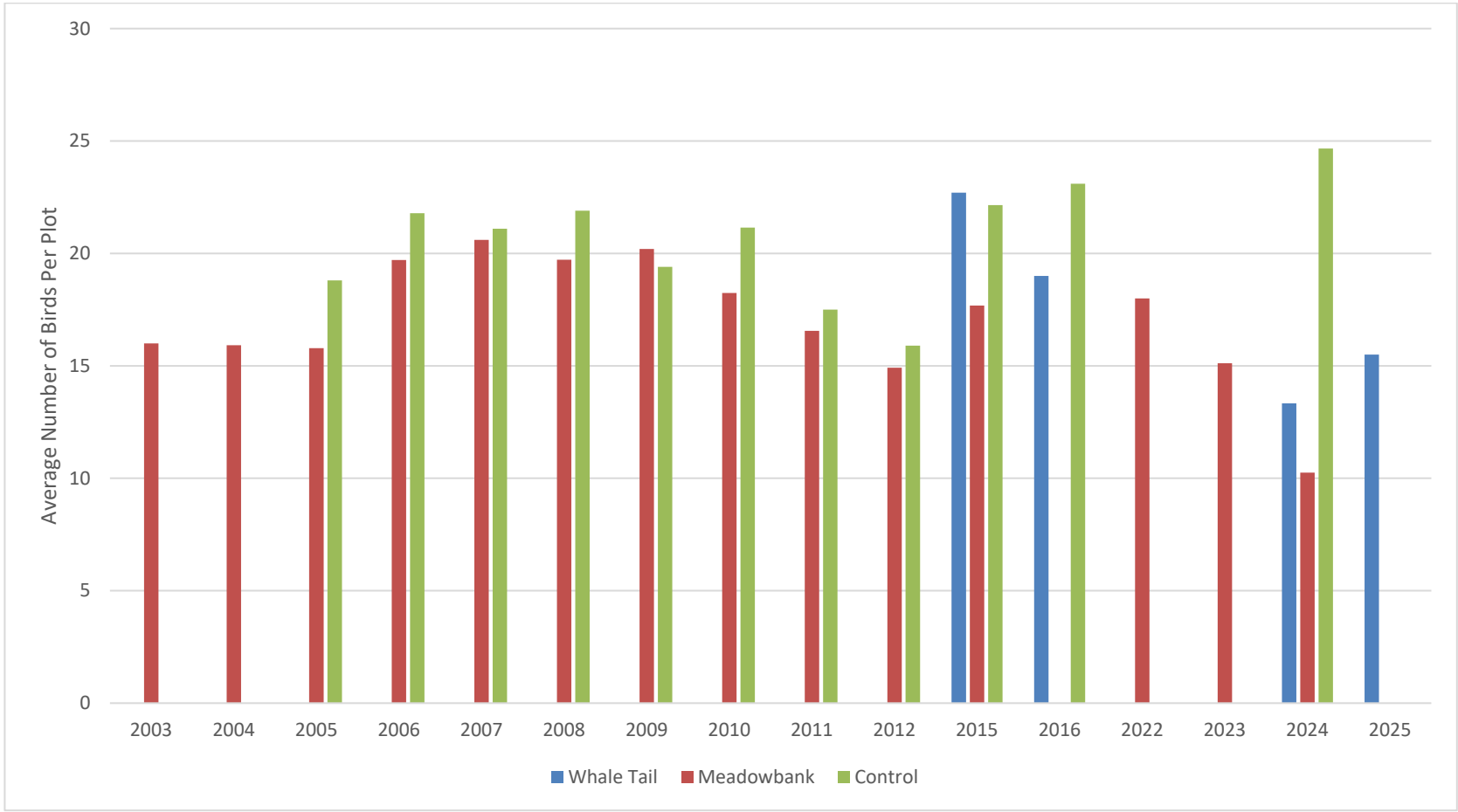


Figure 5.2: Average Number of Bird Species seen on PRISM Plots at the Meadowbank, Whale Tail, and Control Sites between 2003 and 2025.

SECTION 6 • RECOMMENDATIONS

Agnico Eagle Meadowbank Complex has completed its commitment to ECCC of conducting 48 PRISM plots selected by Canadian Wildlife Service over a 10-year period during operation of the mine. As per the ECCC Agreement, Agnico Eagle will conduct the BBS routes surveys along the AWAR and the WTHR opportunistically when qualified individuals are on site. At a minimum, BBS routes will be conducted every three (3) years during the operations, closure, and post-closure phases of the Project. The next BBS survey is expected to be conducted in 2028.

SECTION 7 • LITERATURE CITED

Bart, J., Andres, B., Brown, S., Donaldson, G., Harrington, B., Johnston, V., Jones, S., Morrison, G., and Skagen, S. 2005. The Program for Regional and International Shorebird Monitoring (PRISM). USDA Forest Service General Technical Report, PSW-GTR-191, 893-901.

Rausch, J., and Clyde, N. 2022. The Arctic PRISM Survey Details – For Agnico Eagle Crews to Meadowbank/Amaruq (part of Arctic PRISM Region 6.2).

APPENDIX I

2025 PRISM BIRD NEST SUMMARY

NEST INFORMATION – All Species **Site** Amaruq **Year** 2025

Plot Association	Nest ID	Date *dd/mm/yyyy*	Time *24hr format*	UTM Coordinates NAD83	Observer(s) *3-letter Initials*	Species *4-letter code*	# of Egg	# of Chick	Flush distance *(m)*	Nest Concealm't *% cover to nearest 5%*
plot ID AMA-021 ☐ no plot Location X inside ☐outside	AMA-021_LALO_Region6.2_2025_DylanWhite	18/06/2025	11:43	Zone 14W 6 0 5 7 7 9 E 7 2 5 2 2 1 5 N	LQ, DW	LALO	5		ND	Or: ☐ nest not disturbed ☐ flush not seen 50
Camera ID / See Nest ID: See Nest ID – Photos 1 to 6	Photo # (to track photos until they can be relabeled post-season)				Comments					
plot ID AMA-022 ☐ no plot Location X inside ☐outside	AMA-022_LALO_Region6.2_2025_DylanWhite	18/06/2025	13:04	Zone 14W 6 0 6 4 1 8 E 7 2 5 2 6 4 5 N	LQ, DW	LALO	5		ND	Or: ☐ nest not disturbed ☐ flush not seen 10
Camera ID / See Nest ID: See Nest ID – Photos 1 to 5	Photo # (to track photos until they can be relabeled post-season)				Comments					
plot ID AMA-026 ☐ no plot Location X inside ☐outside	AMA-026_LALO_Region6.2_2025_DylanWhite	17/06/2025	11:56	Zone 14W 6 0 8 9 8 9 E 7 2 5 2 3 0 2 N	LQ, DW	LALO	5		ND	Or: ☐ nest not disturbed ☐ flush not seen 10
Camera ID / See Nest ID: See Nest ID – Photos 1 to 2	Photo # (to track photos until they can be relabeled post-season)				Comments					
AMAAMplot ID AMA-026 ☐ no plot Location ☐inside X outside	AMA-026_AMGP_Region6.2_2025_DylanWhite	17/06/2025	12:35	Zone 14W 6 0 8 7 9 0 E 7 2 5 2 2 9 0 N	LQ, DW	AMGP	4		ND	Or: ☐ nest not disturbed ☐ flush not seen 0
Camera ID / See Nest ID: See Nest ID – Photos 1 to 6	Photo # (to track photos until they can be relabeled post-season)				Comments					
plot ID AMA-032 ☐ no plot Location X inside ☐outside	AMA-032_AMPI_Region6.2_2025_DylanWhite	20/06/2025	13:30	Zone 14W 6 0 4 1 0 6 E 7 2 5 5 6 8 1 N	LQ, DW	AMPI	5		ND	Or: ☐ nest not disturbed ☐ flush not seen 50
Camera ID / See Nest ID: See Nest ID – Photos 1 to 4	Photo # (to track photos until they can be relabeled post-season)				Comments					
plot ID AMA-038 ☐ no plot Location ☐inside X outside	AMA-038_LALO_Region6.2_2025_DylanWhite	20/06/2025	15:00	Zone 14W 6 0 5 5 7 2 E 7 2 5 7 5 2 5 N	LQ, DW	LALO	4		ND	Or: ☐ nest not disturbed ☐ flush not seen 25
Camera ID / See Nest ID: See Nest ID – Photos 1 to 3	Photo # (to track photos until they can be relabeled post-season)				Comments					
plot ID AMA-040 ☐ no plot Location X inside ☐outside	AMA-040_LALO Nest 1_Region6.2_2025_DylanWhite	21/06/2025	10:45	Zone 14W 6 0 5 6 2 5 E 7 2 5 8 6 4 5 N	LQ, DW	LALO	2	2	ND	Or: ☐ nest not disturbed ☐ flush not seen 10
Camera ID / See Nest ID: See Nest ID – Photos 1 to 4	Photo # (to track photos until they can be relabeled post-season)				Comments					

NEST INFORMATION – All Species **Site** Amaruq **Year** 2025

Plot Association		Nest ID	Date *dd/mm/yyyy*	Time *24hr format*	UTM Coordinates NAD83	Observer(s) *3-letter Initials*	Species *4-letter code*	# of Egg	# of Chick	Flush distance *(m)*		Nest Concealm't *% cover to nearest 5%*
plot ID: AMA-040 Location: X inside ☐outside	☐ no plot	AMA-040_REDP_Region6.2_2025_DylanWhite	21/06/2025	11:00	Zone 14W: 6 0 5 7 0 0 E 7 2 5 8 3 4 3 N	LQ, DW	REDP	5		ND	Or: ☐ nest not disturbed ☐ flush not seen	10
Camera ID: See Nest ID	Photo # (to track photos until they can be relabeled post-season): See Nest ID – Photos 1 to 5										Comments:	
plot ID: AMA-040 Location: ☐ inside X outside	☐ no plot	AMA-040_LALO Nest 2_Region6.2_2025_DylanWhite	21/06/2025	11:35	Zone 14W: 6 0 5 6 7 1 E 7 2 5 8 2 7 5 N	LQ, DW	LALO	4		ND	Or: ☐ nest not disturbed ☐ flush not seen	50
Camera ID: See Nest ID	Photo # (to track photos until they can be relabeled post-season): See Nest ID – Photos 1 to 4										Comments:	

APPENDIX I

Snow Study Final Report

TECHNICAL MEMORANDUM

DATE 22 January 2026 **Reference No.** CA0055337.7557_4006_Snow_Study_Rev0

TO Eric Haley
Agnico Eagle Mines Limited

CC Robin Allard

FROM Jennifer Foca, Josh Pigeon, Dan Coulton **EMAIL jennifer.foca@wsp.com**

SNOW STUDY FINAL REPORT

1.0 INTRODUCTION

During the environmental review of the Whale Tail Expansion Project, the Government of Nunavut expressed concern that snow management activities on the Whale Tail Haul Road may result in conditions that may make passage by caribou difficult and more energetically expensive. To address this concern Agnico Eagle made Commitment 9 at the Technical Meeting held in Baker Lake June 11-13, 2019, which included completing a three-year snow monitoring program as part of the Terrestrial Ecosystem Management Plan (TEMP) that measures snow conditions related to removal of snow from the Whale Tail Haul Road. The approach to monitoring snow conditions as caribou migrate through the Haul Road area are described below. The goal of the snow monitoring was to determine whether changes to snow resulting from snow removal along the Haul Road result in conditions that potentially inhibit caribou movements. Following the circulation of version 1 of the study design to members of the Terrestrial Advisory Group (TAG) on October 02, 2019, the Kivalliq Inuit Association (KivIA) recommended monitoring of areas of caribou use and non-use along the Haul Road (KivIA 2019). Agnico Eagle modified the study design to follow the KivIA's recommendation. The variables measured include the height, width and slope of snowbanks, snow depth of deposited snow, snow hardness, and the depth of fresh tracks.

Collared caribou from the Lorillard herd have historically interacted with the All-Weather Access Road (AWAR) and Whale Tail Haul Road (WTHR) during their spring and fall migrations. The following sections focus exclusively on characterizing snow conditions and caribou interaction along the WTHR during spring migration (see Section 3.6 for information on caribou interaction with the AWAR).

The direction of travel for caribou crossing the WTHR has always been from the west to the east in the spring. Snow is removed periodically from the WTHR (and AWAR) to promote safe driving conditions for the transport of Meadowbank Mine staff and supplies, and mined ore between Whale Tail and the Meadowbank Mine sites. Snow is removed or redistributed from the road surface to areas adjacent to the roads. The snow is redistributed in a way to minimize the size of any snow berms formed on the side of the roads (i.e., snow is pushed to the eastern, downwind side of the road). Doing so also reduces the amount of snow management activity required due to snow drifting back onto the WTHR.

Per Whale Tail Expansion Project Commitment 9, Agnico Eagle committed to complete a multi-year snow monitoring program. Snow hardness and sinking depth are important for caribou energy expenditure of locomotion, where the combination of softer and deeper snow may inhibit caribou movements (Fancy and White 1987). The two key questions to be answered by the snow study monitoring were:

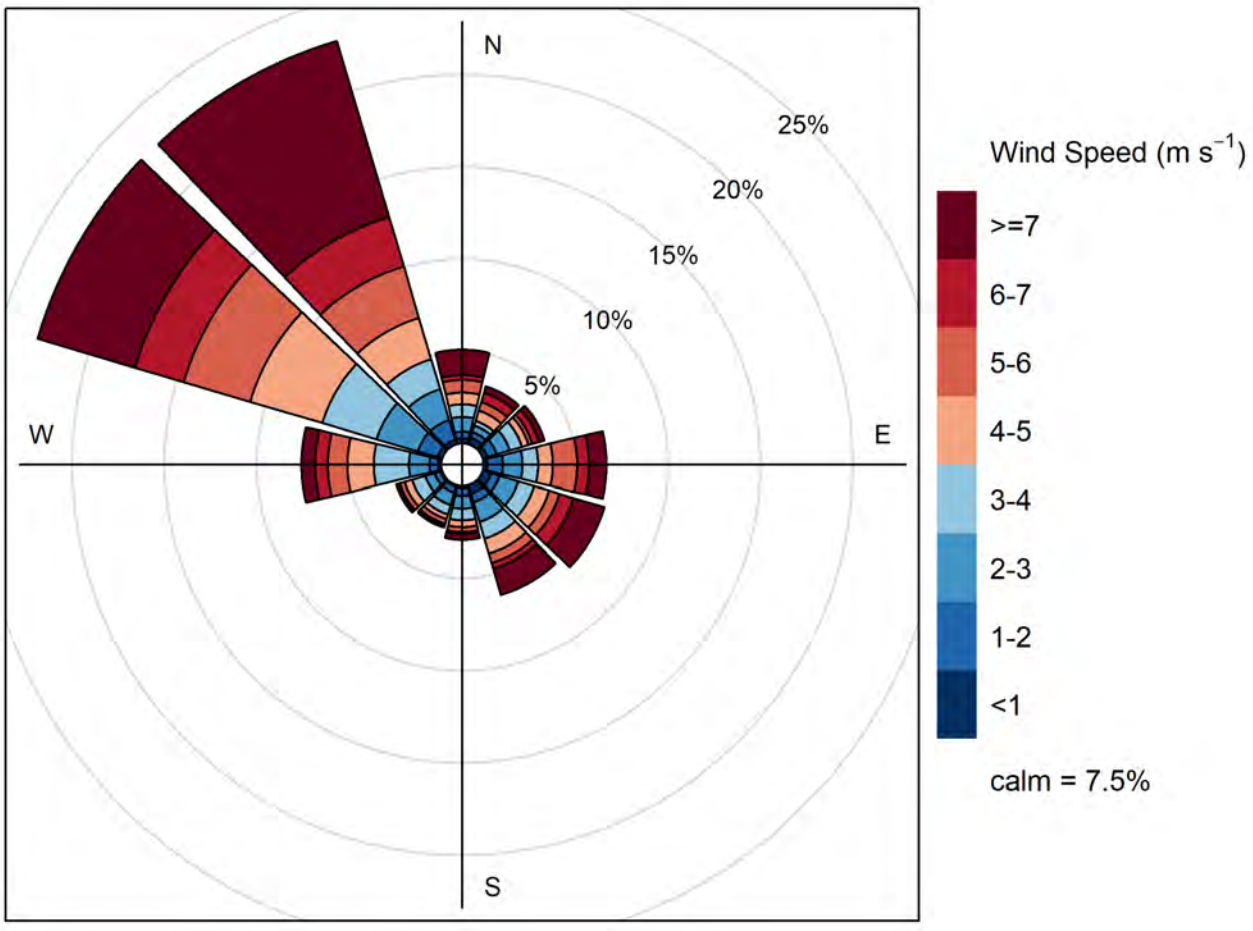
1) How do snow conditions within the managed snow area where caribou are crossing the WTHR differ from the snow conditions in adjacent portions of the berm where crossing did not occur?

2) How do snow conditions and caribou track characteristics differ between areas within the snow berm and areas beyond the berm where snow conditions have not been altered by snow removal activity?

Variation in snow conditions on either side of the haul road was also considered.

Over the course of winter, snow will drift naturally and become hardened as the result of wind, temperature and weight of additional snowfall. Wind monitoring data from Meadowbank Mine indicates that the predominant long-term winter and spring (December 15 to May 10) wind direction is from the northwest (Figure 1). As average temperatures rise above 0°C, snowmelt will occur and reduce the weight-bearing potential of snow cover. As a result of prolonged exposure to the dominant wind direction, it is anticipated that snow along the upwind side of the Haul Road will be harder than the downwind side. If snow conditions are softer and deeper on the eastern, downwind side of the road, caribou may expend more energy travelling through these areas compared to the upwind side of the road.

Originally, an annual sample goal of 36 survey locations was proposed over three years. Since 2020, a number of challenges have limited the program from achieving this goal including locating fresh caribou tracks. In 2022, a power analysis was completed based on monitoring results from 2020 to 2022 (n = 36 locations) (WSP 2023). The power analysis assumptions included power of 0.80, and a type I error rate of 0.10. The analysis considered effect sizes of 0.10, 0.25 and 0.50 to detect differences in snow hardness between use plots and snow-managed control plots and use plots versus non-managed control plots using mixed-model linear regressions. The results of the power analysis indicated that greater than 320 locations, 65 locations and 20 locations would be required to detect differences of 0.10, 0.25 and 0.50, respectively. The results were already adequate to detect a difference of 0.50, which was not evident from the patterns in the data. The target sample size of 65 locations was applied to the study to detect an effect size of 0.25 (Cohen 1988; Sawilowski 2009).



Note: Each spoke represents the direction wind is coming from, and the length of each spoke indicates the relative frequency.

Figure 1: Wind Rose of Predominant Winter and Spring Wind Direction and Speed at Meadowbank Mine, 2013 - 2025

2.0 METHODS

To capture changes in snow conditions as caribou migrate across the Haul Road, snow monitoring surveys were completed during caribou spring migration. The monitoring generally occurred between April 1 and May 18, during the time when caribou are expected to be in the area based on historical observations. Survey locations were chosen opportunistically based on the availability of fresh caribou tracks crossing the road, and while the majority of plots sampled were located along the WTHR, sampling locations along the AWAR were included opportunistically to achieve sampling goals. Snow management practices are consistent between the WTHR and AWAR, and any patterns identified for potential effects of snow characteristics on caribou crossing are not expected to differ between the two roads. Surveyors established six plots (approximately 1.5 m x 1.5 m) at each survey location and collected data on the snow depth, snow hardness, caribou track depth, as well as the height, width, and slope of the snow-managed berm that occurred adjacent to the haul road (Figure 2) (Golder 2020). Snow and caribou track depth were measured using a metre stick while snow hardness was measured in units of Newtons (N) using a mechanical dynamometer (i.e., push-pull gauge; Lundmark and Ball 2008).Three replicates were collected for snow depth, and five replicates were collected for both snow hardness and track depth per plot. Berm height, width, and slope were only measured once per plot.

Of the six plots, three plots were established on the upwind side of the haul road (i.e., the side of the road that the prevailing westerly wind blows from) and three plots were established on the downwind side of the haul road (i.e., the east side of the road). The three survey plots on each side of the road included a “use” plot, a “snow-management control” plot and a “non-managed control” plot (Figure 2). The use plot occurred within the snow-managed berm in an area where caribou had left tracks while crossing the haul road. The snow-managed control plot occurred approximately 5 m from the use plot, within the snow-managed berm but in a portion of it that did not contain caribou tracks. Monitoring at caribou use areas and the finer spatial scale of the snow-managed control and use plots was a recommendation by the TAG (KivIA 2019). The non-managed control plot occurred beyond the snow-managed berm and in an area where caribou tracks were present (Figure 2).

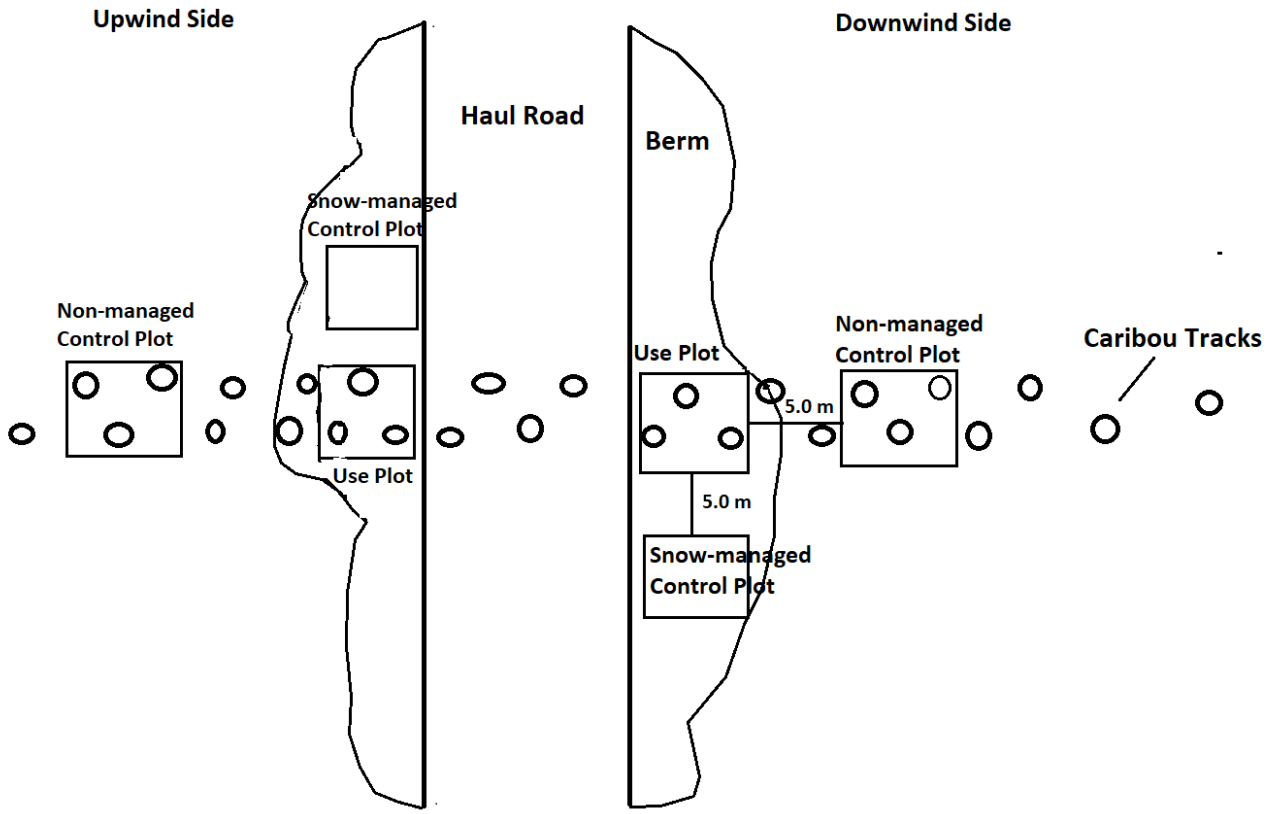


Figure 2: Survey Plot Configuration Used During Snow Survey Monitoring Along the All-Weather Access Road and Whale Tail Haul Road

Using data from all years, averages and 95% confidence intervals were calculated for each snow metric and plot type. In the results, intervals shown in brackets are 95% confidence intervals unless stated otherwise. T-tests were used to evaluate the differences in snow metrics on the upwind vs downwind side of the haul road. Analysis of variance tests (ANOVA) were used to evaluate differences in snow depth and snow hardness among plot type (Use plot, snow-managed control plot, and non-managed control plot). Statistical significance was tested at a Type I error rate of 0.05. When significant differences were detected based on the ANOVA, a post-hoc Tukey's test was applied to determine, which plot types were significantly from each other. A paired t-test was used to evaluate differences in track depth between use plots and non-managed control plots. Finally, generalized linear mixed models (GLMM) were used to explore the relationship between plot type and snow depth, snow hardness, and track depth. The GLMM will indicate the strength (i.e., how related are plot type and the snow metrics?) and direction (i.e., does the snow metric increase or decrease at use plots relative to control plots) of relationships tested and allows for the inclusion of other variables that may be impacting the relationship (i.e., berm width, height, and slope).

To address the key questions, GLMMs were used to test for snow metric variation among the plot types that pertained to one key question at a time. To address the first question, variation between use plots and snow-managed control plots was tested. The second key question was addressed separately by testing variation between use plots and non-managed plots. The GLMMs included plot type as a variable and were tested against a null model (i.e., no explanatory variables) using corrected Akaike Information Criterion (AICc), which determines the model that best explains the variation (i.e., the null model or the model that includes plot type as a variable) relative to other candidate models considered (Burnham and Anderson 2002). The model with the lowest AICc score indicates the best fit with the data relative to other candidate models. If the model with the lowest AICc score is 2 below the other model score(s), it is considered a significantly better fitting model (Richards 2005).

During the September 2025 TAG workshop, additional questions were posed regarding weather patterns across study years (2020-2025) compared to a broader timescale (Agnico Eagle 2025). As a result, weather data from 2013 – 2025 were analysed to explore two main questions:

1) Do the weather patterns observed during the study period reflect general weather patterns in the area?

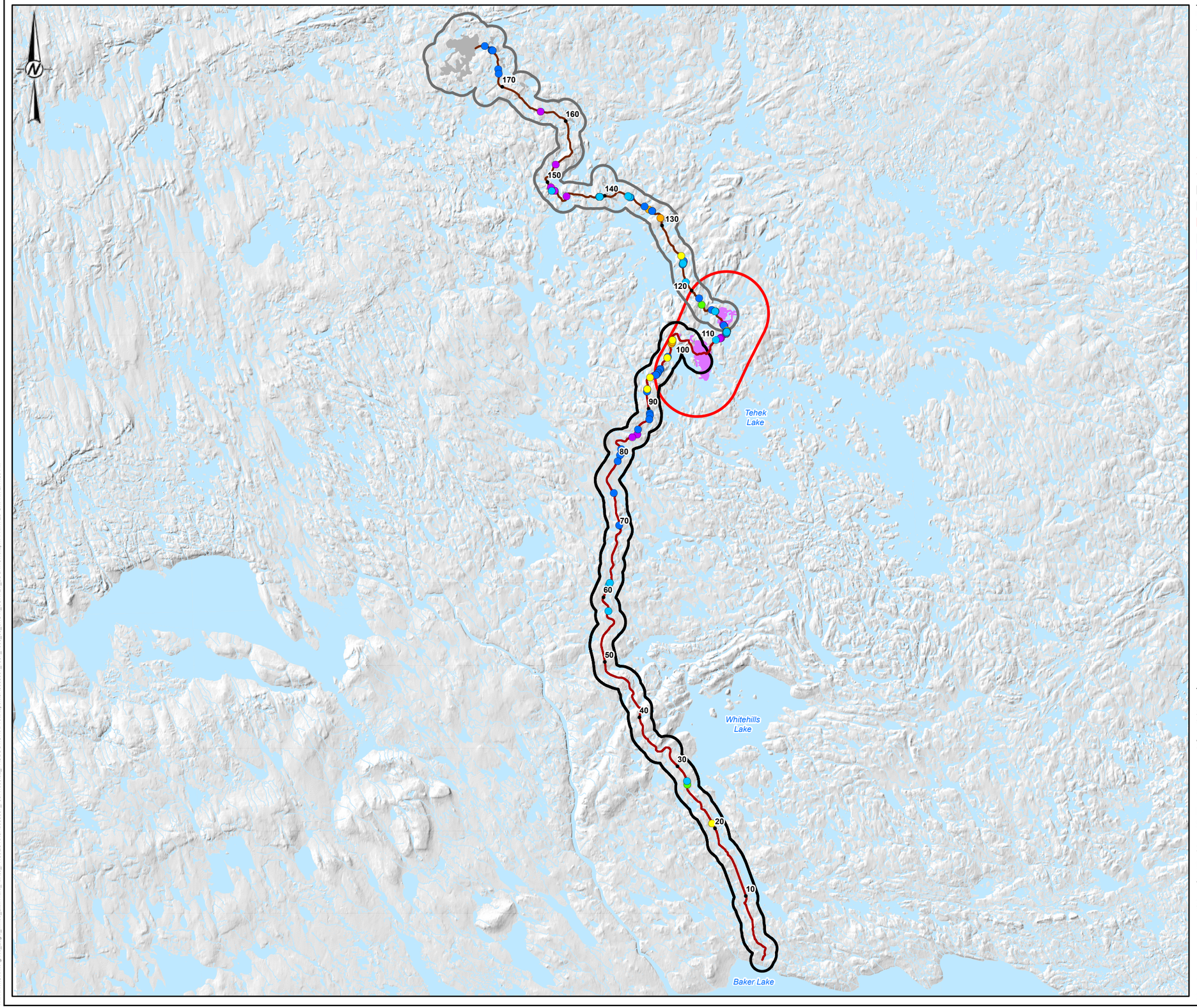
2) Is there evidence of climate change affecting the local weather trends observed during the study period?

Temperature data collected from the Meadowbank airport weather station from 2013 – 2025 were examined to address these questions. Average daily temperatures and temperature anomalies were assessed during the migration season for each year with available data. Temperature anomalies are calculated by subtracting the average temperature for the entire data set from the annual values. Anomalies are valuable visual representations of weather/climate data variation because they emphasize deviations from a baseline value, which highlight potential shifting trends.

To assess snow conditions during spring migration, precipitation data collected from 2014 – 2025 were examined. A “snow season” was identified to consider snow accumulation during the fall and winter prior to spring migration, as well as snow accumulation during migration. November 1 was selected as the start of the snow season because temperatures generally remained below freezing starting at this date. Temperatures generally remain below 0˚C during the snow season, so the sum of the precipitation during the snow season can be used as a proxy for snow accumulation. This assumption does not consider snow movement by wind because the weather data collected are not robust enough to track changes to snow depth from wind effects. The end of spring migration season, May 25, was used as the end date for the snow season. Total precipitation and precipitation anomalies were assessed during the snow season for each year with available data. Total precipitation anomalies are calculated by subtracting the average total winter season precipitation for the entire data set from the annual total precipitation values.

3.0 RESULTS

In total, 98 survey locations were sampled along the AWAR and WTHR between 2020 and 2025, including five survey locations in May 2020, three locations in April 2021, twenty locations in April and May of 2022, thirty-six locations in April of 2023, 9 locations in February, March and April of 2024, and 25 locations in April and May of 2025 (Figure 3; Figure 4). Of these 98 locations, 70 include the full suite of snow data. The addition of the 25 locations surveyed in 2025 met and surpassed the target number of 65 surveys with the full suite of snow data, as determined from the 2022 power analysis. Of the 25 surveys completed during the spring migration of 2025, 21 were along the WTHR and 4 were along the AWAR. Environment technicians were patrolling on a regular basis, along the AWAR and the WTHR during the migration season (between 1 April and late May) for signs of caribou crossing tracks adequate for snow sampling measurements. Surveys during 2025 took place during four days, including three days in April and one day in May (Figure 4). Prior to 2023, a full suite of snow data were collected at use plots and snow-managed control plots but not at non-managed control plots, and caribou track data were collected at use plots but not non-managed control plots. Data sheet improvements implemented in 2023 allowed for additional data fields to be collected during 2023-2025. Locations surveyed in 2023 onward included the full suite of snow data for each applicable plot type and caribou track data were collected at both use plots and non-managed control plots. Some snow measurements collected prior to 2023 were excluded from 2024 snow summaries due to inconsistencies with reporting units or missing data fields. Although some locations do not contain the full suite of snow data, the analysis includes all the 98 survey locations where possible.



LEGEND

SNOW SURVEY LOCATION (SURVEY YEAR)

- 2020
- 2021
- 2022
- 2023
- 2024
- 2025
- KILOMETRE MARKER
- ALL-WEATHER ACCESS ROAD (AWAR)
- WHALE TAIL HAUL ROAD (WTHR)
- AWAR LOCAL STUDY AREA (LSA)
- WTHR LOCAL STUDY AREA (LSA)
- MEADOWBANK LOCAL STUDY AREA (LSA)
- WHALE TAIL MINE SITE
- MEADOWBANK MINE SITE
- WATERCOURSE
- WATERBODY

0 10 20
1:500,000 KILOMETRES

REFERENCE(S)

1. INFRASTRUCTURE OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. WATERCOURSE AND WATERBODY DATA OBTAINED FROM NATURAL RESOURCES CANADA.
COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 14N

CLIENT

AGNICO EAGLE

AGNICO EAGLE MINES LIMITED:
MEADOWBANK DIVISION

PROJECT

MEADOWBANK COMPLEX
SNOW STUDY FINAL REPORT

TITLE

SNOW SURVEY LOCATIONS ALONG THE ALL-WEATHER ACCESS ROAD AND WHALE TAIL HAUL ROAD (2020-2025)

CONSULTANT

wsp

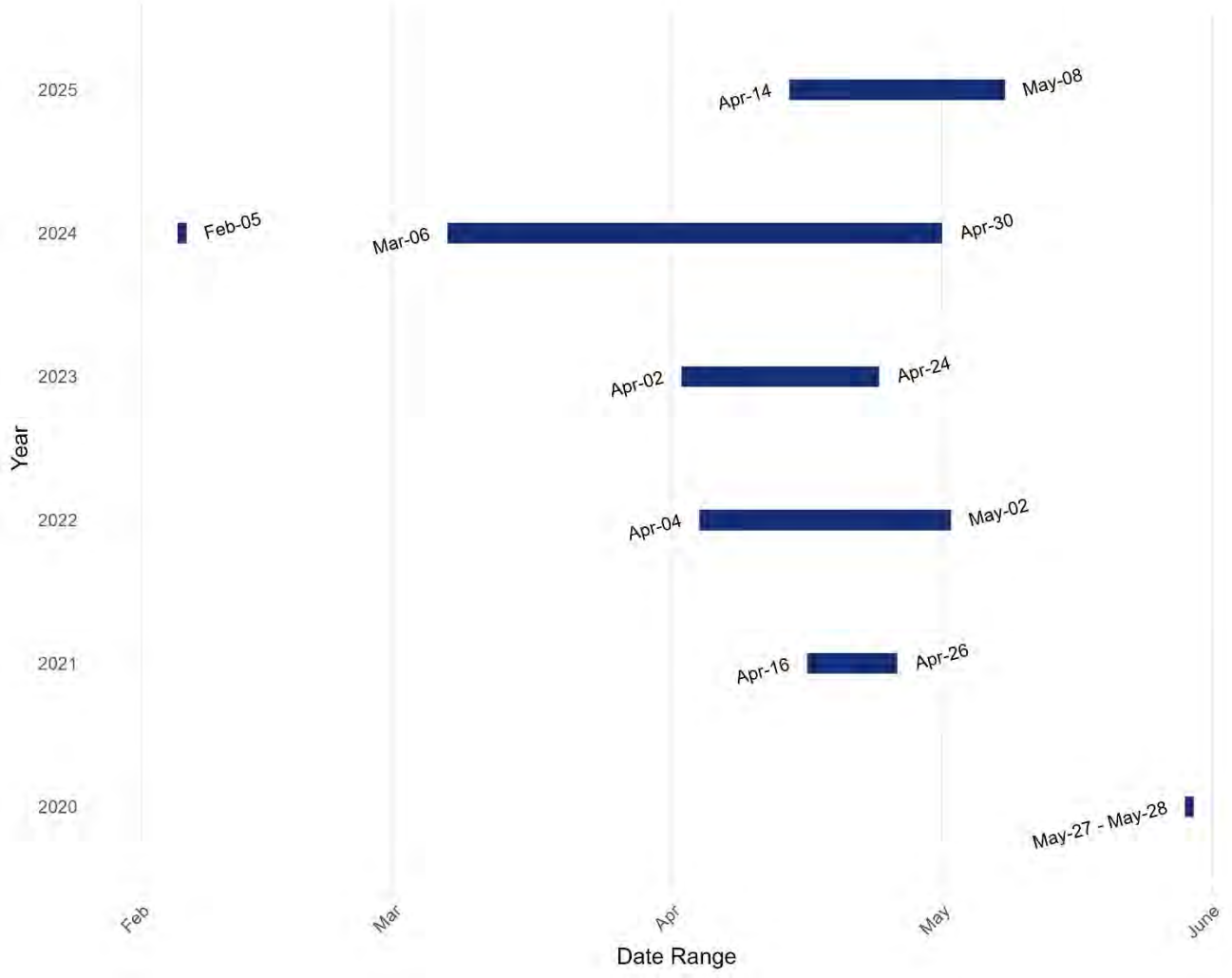
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REVIEWED	JF
APPROVED	DC

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Note: Dates selected for sampling were dependent on the timing of migrating caribou presence as well as weather conditions.

Figure 4: Snow Study Maximum and Minimum Dates of Sampling Effort by Year

3.1 Upwind and Downwind Comparison

Table 1 provides a summary of snow metrics recorded at upwind and downwind use plots, snow-managed control plots, and non-managed control plots during 2020, 2021, 2022, 2023, 2024, and 2025 survey periods. Considering all plot types sampled, average berm width was greater on the downwind (east) side of the haul road than on the upwind (west) side (paired t-test, t = -3.81, df = 87, p < 0.01), and berm height was not significantly higher on the downwind side of the road (paired t-test, t = -1.99, df = 87, p = 0.05) (Figure 5). While berm height was higher on the downwind side of the road, average berm height was less than 0.22 m on both sides of the road (downwind berm height, 0.21 [95% CI: 0.14, 0.28]; upwind berm height, 0.10 m [0.06, 0.14]). Berm width was almost 4-times greater on the downwind (4.59 m [3.34, 5.84]) than the upwind side (1.16 m [0.77, 1.55]). Differences in berm height and width can be explained by the snow management procedures. By pushing the snow to the downwind side of the road to reduce the need for further snow management due to snow drift, the berm is expected to be wider on the downwind side of the road. Slope values on the upwind and downwind sides of the road were not significantly different (paired t-test, t = -0.54, df = 84, p = 0. 59) (Table 1; Figure 5). Slope values varied from 0˚to 45˚, but 90% of values are between 0˚to 17˚ (upwind 7˚ [6, 8] and downwind 8˚ [7, 9]).

Mean snow depth across all plot types was not significantly different (paired t-test, t = -0.04, df = 88, p = 0.97) when comparing upwind (0.56 m [0.51, 0.61]) to downwind (0.57 m [0.52, 0.62]) sides of the haul road (Table 1; Figure 5). Snow hardness was similar (paired t-test, t = 0.16, df = 88, p = 0.87) between plots on the upwind side (14.3 N [13.3, 15.3]) and the downwind side (14.7 N [13.6, 15.8]) of the haul road (Table 1; Figure 5). Caribou track depth measurements were only collected in use plots during 2020, 2021, and 2022, and in both use and non-managed control plots in 2023, 2024, and 2025. Mean track depth across plot types was not significantly different (paired t-test, t = -1.49, df = 88, p = 0.14) on the upwind side (4.02 cm [3.42, 4.62]) compared to the downwind side of the haul road (4.31 m [3.66, 4.96]) (Table 1; Figure 5).

Table 1: Summary of Snow Metrics Collected at Survey Plots on the Upwind and Downwind Side of the Whale Tail Haul Road, 2020-2025.

Snow Metric	Plot Type	Upwind	Downwind
Snow Berm Height (m) (Average [95% CI])	Use Plot	0.10 [0.04, 0.16]	0.22 [0.11-0.33]
	Snow-management Control	0.10 [0.04, 0.16]	0.20 [0.10-0.30]
	Non-managed Control	NA	NA
Average Snow Berm Height - All Plots		**0.10 [0.06, 0.14]**	**0.21 [0.14, 0.28]**
Snow Berm Width (m) (Average [95% CI])	Use Plot	1.17 [0.61, 1.73]	4.71 [2.88, 6.54]
	Snow-management Control	1.16 [0.6, 1.72]	4.47 [2.76, 6.18]
	Non-managed Control	NA	NA
Average Snow Berm Width – All Plots		**1.16 [0.77, 1.55]**	**4.59 [3.34, 5.84]**
Slope (°) (Average [95% CI])	Use Plot	7.53 [5.76, 9.30]	8.52 [6.55, 10.49]
	Snow-management Control	7.42 [5.7, 9.14]	8.56 [6.62, 10.50]
	Non-managed Control	6.15 [4.31, 7.99]	7.14 [4.95, 9.33]
Average Slope - All Plots		**7.10 [6.07, 8.13]**	**8.14 [6.97, 9.31]**
Snow Depth (m) (Average [95% CI])	Use Plot	0.53 [0.44, 0.62]	0.50 [0.41, 0.59]
	Snow-management Control	0.52 [0.43, 0.61]	0.52 [0.43, 0.61]
	Non-managed Control	0.67 [0.57, 0.77]	0.73 [0.64, 0.82]
Average Snow Depth - All Plots		**0.56 [0.51, 0.61]**	**0.57 [0.52, 0.62]**
Snow Hardness (N) (Average [95% CI])	Use Plot	13.0 [11.0, 15.0]	15.0 [13.0, 17.0]
	Snow-management Control	16.0 [14.0, 18.0]	16.0 [14.0, 18.0]
	Non-managed Control	14.0 [12.0, 15.0]	14.0 [12.0, 15.0]
Average Snow Hardness - All Plots		**14.0 [13.0, 15.0]**	**15.0 [14.0, 16.0]**
Track Depth (cm) (Average [95% CI])	Use Plot	4.36 [3.53, 5.19]	4.76 [3.88, 5.64]
	Snow-management Control	NA	NA
	Non-managed Control	3.56 [2.71, 4.41]	3.72 [2.76, 4.68]
Average Track Depth - All Plots		**4.02 [3.42, 4.62]**	**4.31 [3.66, 4.96]**

Note: 95% CI = 95% confidence interval; m = metre; cm = centimetre; N = Newtons of force; NA = not applicable.

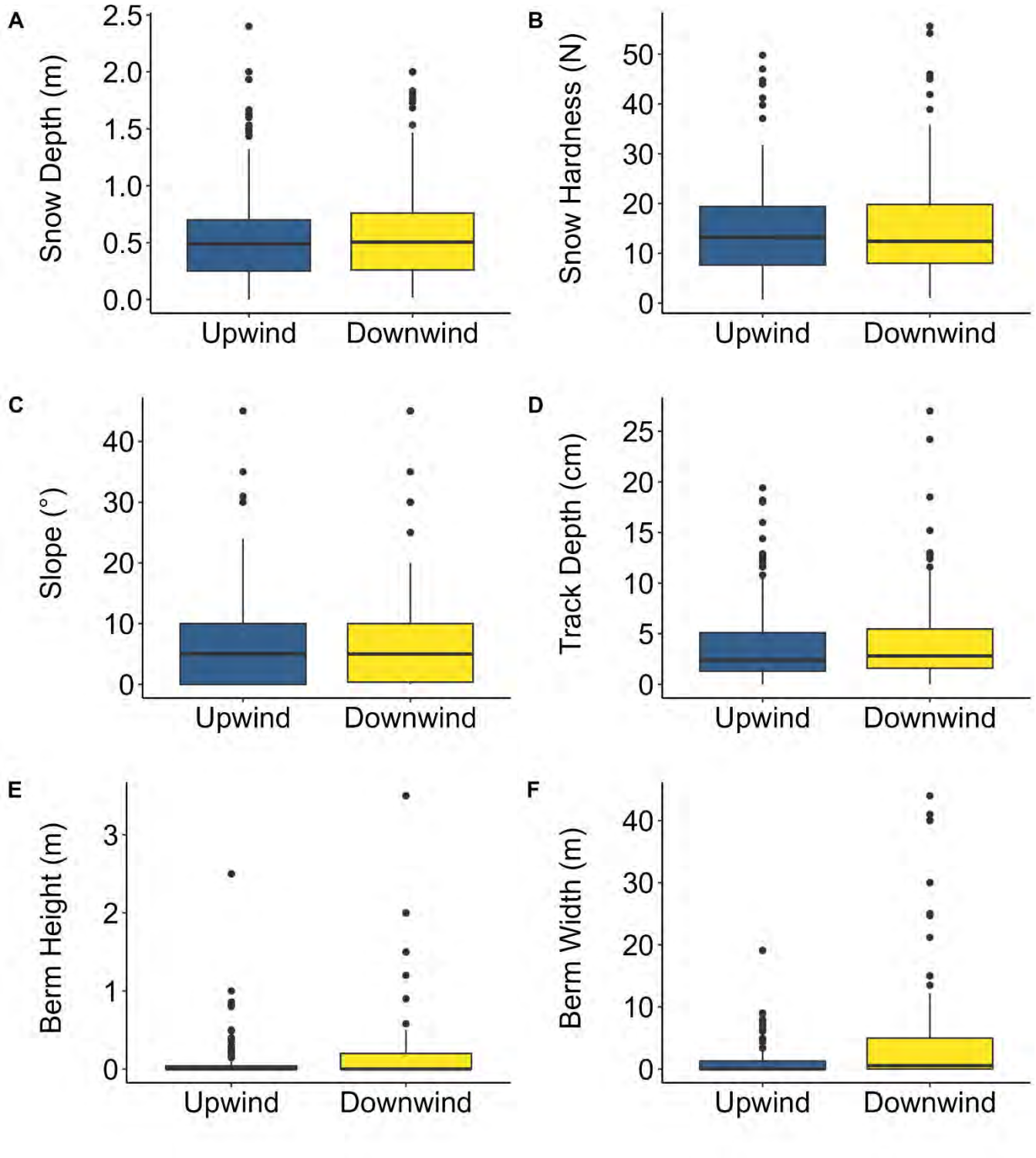


Figure 5: Snow Metric Comparisons for A) Snow Depth (m), B) Snow Hardness (N), C) Slope (°), D) Track Depth (cm), E) Berm Height (m), and F) Berm Width (m) at Snow Survey Plots on the Upwind and Downwind Side of the All-Weather Access Road and Whale Tail Haul Road, 2020-2025.

3.2 Among plot type comparison

Average snow depth was significantly different by plot type (ANOVA, F = 10.79, df = 2, p < 0.01) (Table 2). Specifically, average snow depth in use plots and snow-managed control plots (i.e., plots within the berm but not used by caribou) were similar (Tukey, p = 0.98), but snow depth was greater in non-managed control plots compared to both plot types in the berm area (Tukey, p < 0.01) (Figure 6). This could potentially be due to the difference in elevation on and off the berm so that when berm snow is redistributed the snow may be shallower on the raised road shoulder. Note that the comparison between berm plots (used plots and snow managed control plots) could only be compared with non-managed control plots using data collected in 2023-2025 data because snow depth was not collected in non-managed control plots prior to 2023.

Average snow hardness differed significantly between use plots, snow-managed control plots, and non-managed control plots (ANOVA, F = 3.52, df = 2, p = 0.03) (Table 2; Figure 7). Specifically, snow hardness was similar between use plots and both snow-managed (Tukey, p = 0.12) and non-managed control plots (Tukey, p = 0.92), and snow hardness was slightly different between snow-managed and non-managed control plots (Tukey, diff = 2.23, p = 0.04). Mean track depth was similar between use plots compared to non-managed control plots (paired t-test, t = 1.50, df = 69, p = 0.14) (Table 2; Figure 8).

Table 2: Summary of Statistical Tests on Snow Depth, Snow Hardness, and Track Depth Data Collected at Survey Plots along the All-Weather Access Road and Whale Tail Haul Road across 2020-2025.

Snow Metric	Plot Type	Sample size[(A)]	Test-stat	p-value
Snow Depth (m)	Use Plot	98	6.52[(a)]	<0.01
	Snow-management Control	98		
	Non-managed Control	70		
Snow Hardness (N)	Use Plot	98	3.21[(a)]	0.04
	Snow-management Control	98		
	Non-managed Control	98		
Track Depth (cm)	Use Plot	70	1.50[(b)]	0.13
	Non-managed Control	70		

Note: m = metre; cm = centimetre; N = Newtons of force

(a) = ANOVA test F-statistic;

(b) = paired t-test test t-statistic.

(A) Note: Sample sizes vary as not all snow metrics were collected at all plots during data collection from 2020-2021.

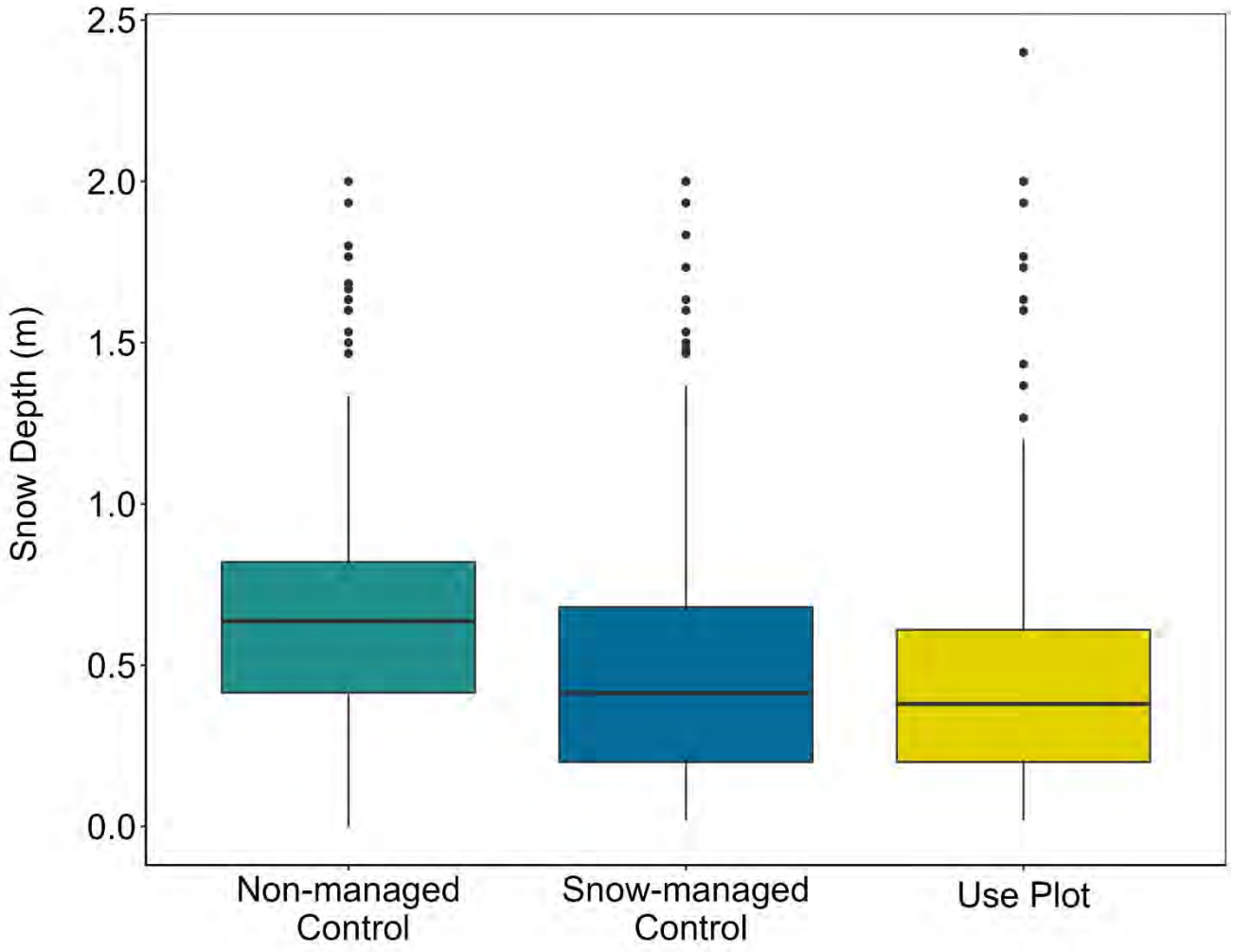


Figure 6: Snow Depth (m) by Plot Type, at Snow Survey Plots along the All-Weather Access Road and Whale Tail Haul Road.

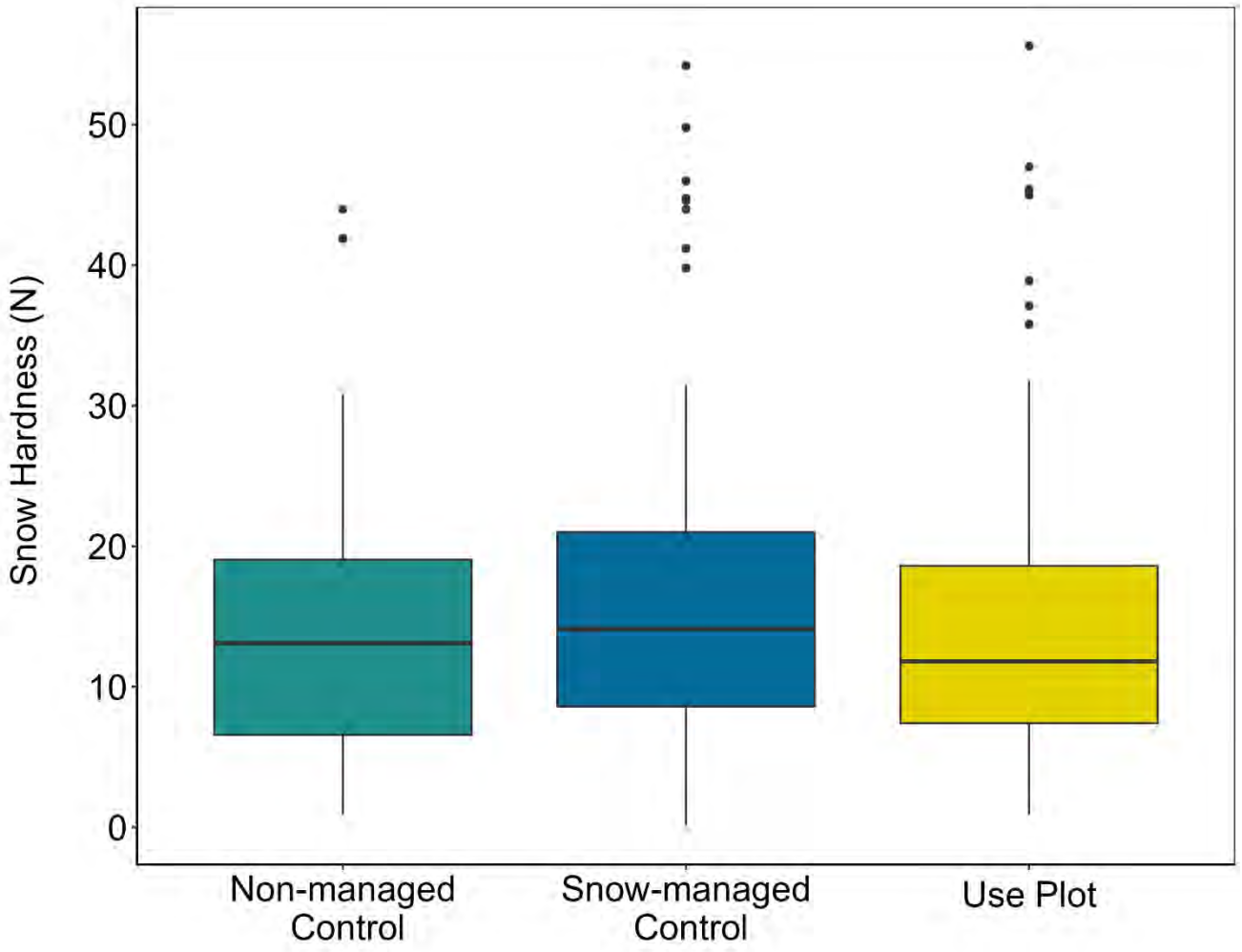


Figure 7: Snow Hardness (N) by Plot Type at Snow Survey Plots along the All-Weather Access Road and Whale Tail Haul Road.

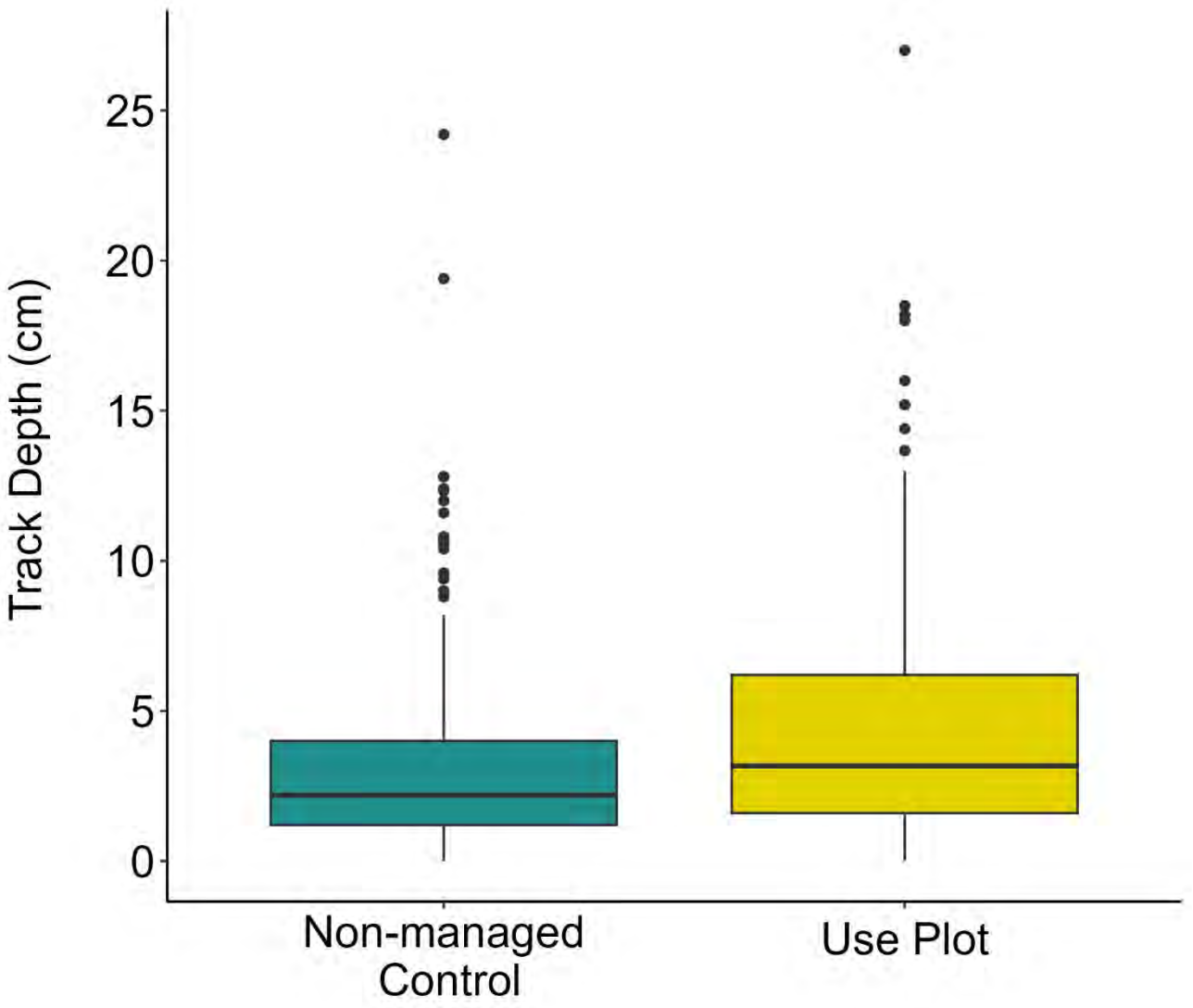


Figure 8: Caribou Track depth (cm) by Plot Type at Snow Survey Plots along the All-Weather Access Road and Whale Tail Haul Road.

3.3 Objective 1 & 2 Comparisons

A GLMM was used to explore the relationship between snow metrics of snow depth and snow hardness for berm use (i.e., use plots) and areas of the berm caribou did not use (i.e., snow-managed control plots). Initial models evaluated included berm width, height, and slope as potential explanatory variables. However, these variables did not differ significantly among plot types (Table 3; Figure 9) and were therefore excluded from the final models. Model comparisons focused on two competing models: a null model (i.e., no explanatory variables) and a test model including plot type as a variable.

Table 3: Summary of Statistical Tests on Berm Height, Berm Width, and Slope Data Collected at Survey Plots along the All-Weather Access Road and Whale Tail Haul Road across 2020-2025.

Snow Metric	Plot Type	Sample size(A)	Test-stat (a)	p-value
Berm Height (m)	Use Plot	98	0.13	0.88
	Snow-management Control	98		
Berm Width (m)	Use Plot	98	0.02	0.88
	Snow-management Control	98		
Slope (˚)	Use Plot	95	0.61	0.54
	Snow-management Control	95		
	Non-managed Control	70		

Note: m = metre; ˚ = degrees; N = Newtons of force;

(a) = ANOVA test F-statistic.

(A) Note: Sample sizes vary as not all snow metrics were collected at all plots during data collection from 2020-2021.

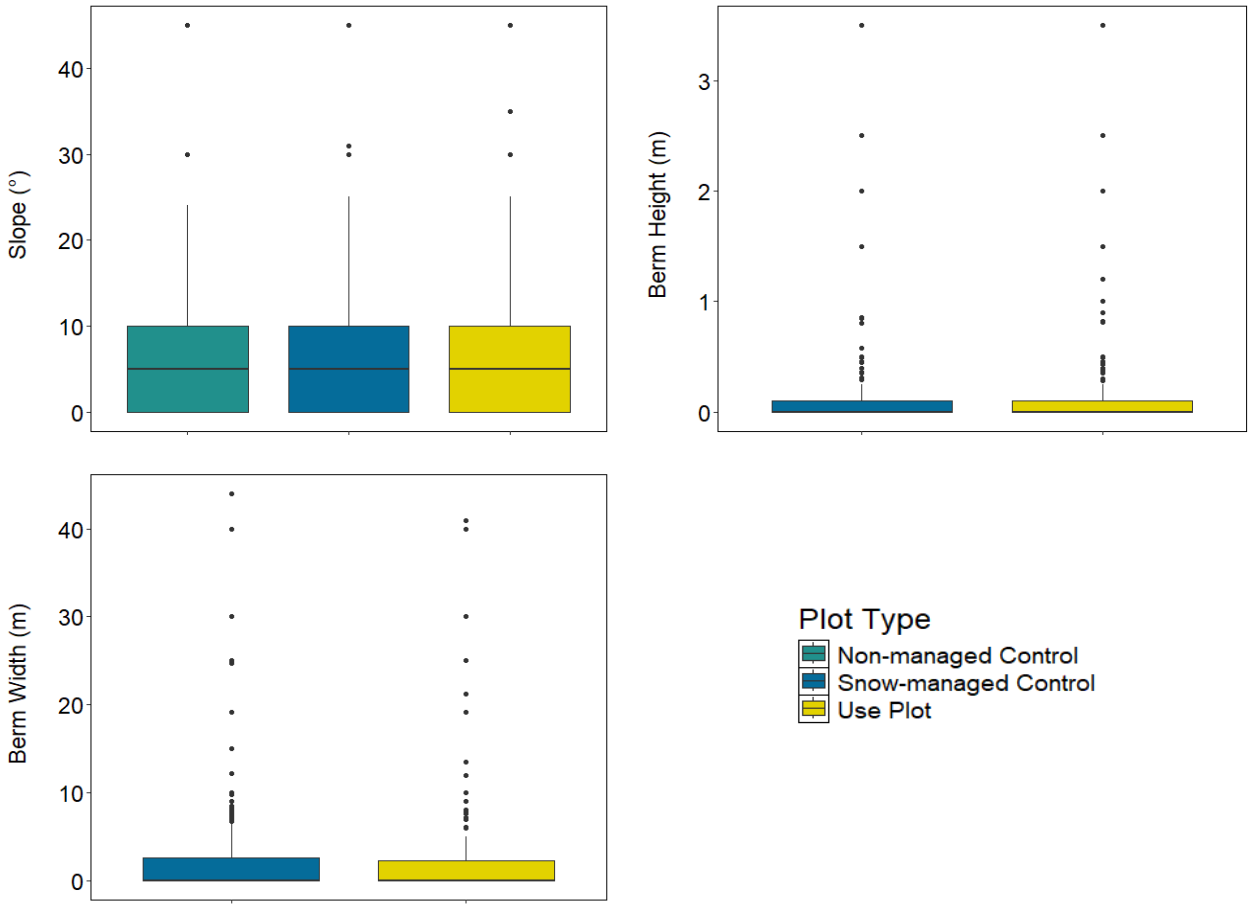


Figure 9: Slope, Berm Width, and Berm Height by Plot Type along the All-Weather Access Road and Whale Tail Haul Road.

3.3.1 Objective 1: Use Plot vs Snow-Managed Control Plot Comparison

The null model best explained variation in snow depth (Table 4), indicating that plot type (use plot and snow-managed control plot) was not a useful variable for explaining variation in snow depth. Although there is no support for the test model, the test model including beta coefficients and model predictions are presented.

The standardized beta coefficient for plot type was near zero, and the 95% confidence interval overlapped zero, further supporting the findings that no meaningful difference in snow depth was detected between use plots and snow-managed control plots (β = -0.03 [-0.12, 0.06]). Test models were used to calculate predicted snow depth values for use plots and snow-managed plots. Model predicted snow depth values were similar, indicating no significant effects among plot type (Figure 10).

Plot type accounted for some of the variation in snow hardness between use plots and snow-managed plots, with the test model being selected as the top model over the null model (Table 4). The snow was slightly softer at use plots compared to snow-managed plots, based on the small negative beta-coefficient (β = -0.16 [-0.27, -0.04]). Predicted snow hardness values from the test model differed, but 95% confidence intervals overlap, indicating any among plot effects are weak (Figure 10).

Table 4: Summary of Corrected Akaike Information Criteria Scores (AICc) from Generalized Linear Mixed Models Comparing Use Plots to Snow-Managed Plots, based on Data Collected at Survey Plots along the All-Weather Access Road and Whale Tail Haul Road across 2020-2025

Model	Model Structure	AICc	ΔAICc	Weight
Snow Depth				
Null	**y-intercept only**	**-19.26**	**0.00**	**0.69**
Test Model	Plot Type	-17.67	1.59	0.31
Snow Hardness				
Test Model	**Plot Type**	**2564.72**	**0.00**	**0.89**
Null	y-intercept only	2568.97	4.25	0.11

AICc = Corrected Akaike Information Criterion

The top model (shown in **bold)** was selected based on the lowest AICc and ΔAICc of at least two. Weight refers to the relative likelihood of each candidate model being the best among the set of models tested.

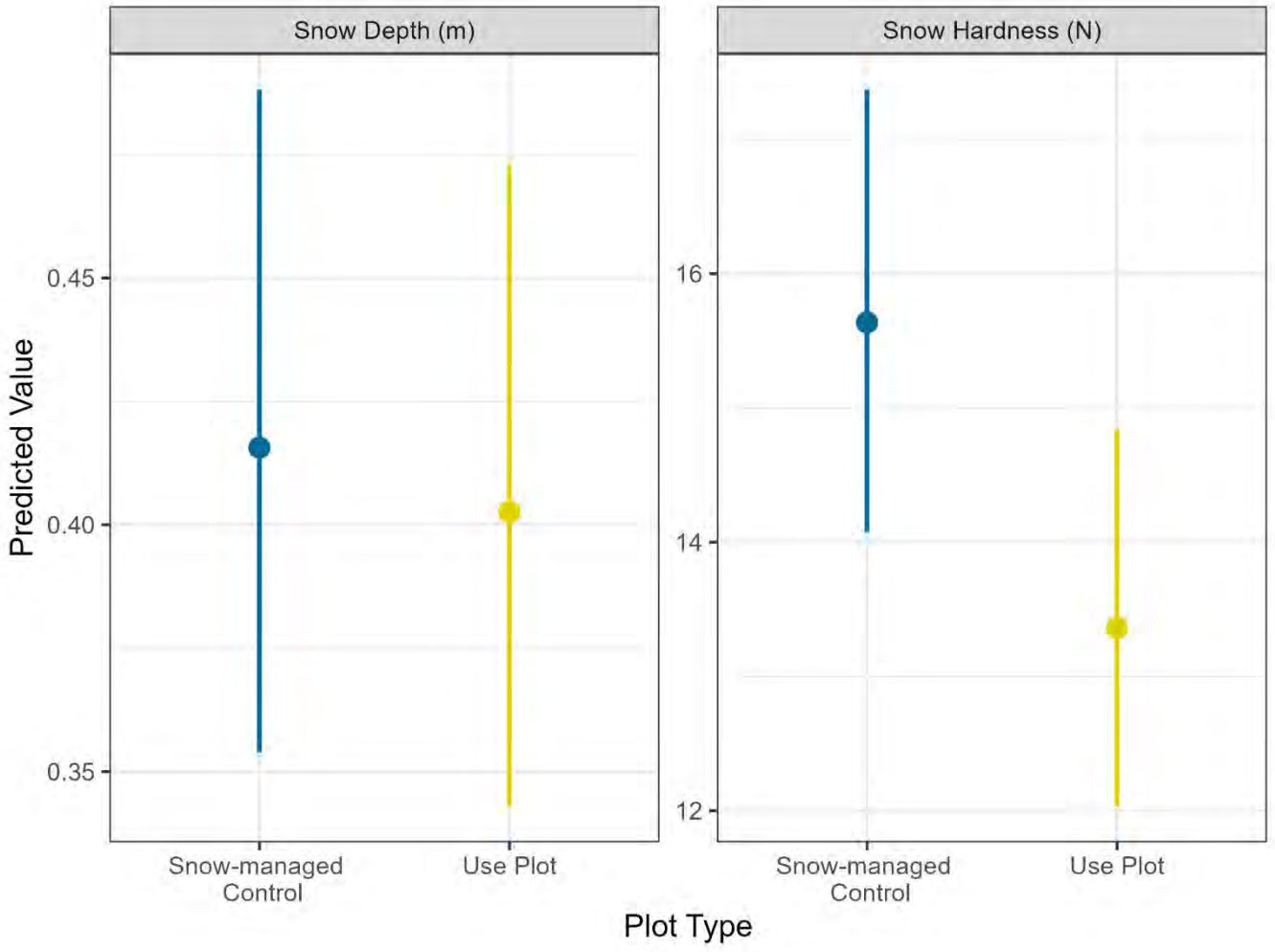


Figure 10: Predicted Values from Generalized Linear Mixed Models Comparing Use-Plots to Snow-Managed Plots. Error bars represent 95% confidence intervals.

3.3.2 Objective 2: Use Plot vs Non-Managed Control Plot Comparison

For objective 2, which compares use plots to non-managed control plots, the test model for snow depth was selected over the null model (Table 5). This indicates there is a relationship between plot type and snow depth, which was the strongest effect detected in this analysis (β = -0.26 [-0.38, -0.14]). Predicted snow depth values support these findings, with deeper snow depths predicted for non-managed control plots compared to use plots (Figure 11).

Regarding snow hardness, the test model did not perform better than the null model, indicating that plot type (i.e., use plot vs. non-managed control plot) did not explain variation in snow hardness (Table 5). Although there is no support for the test model, the test model beta coefficients and model predictions are presented. The beta-coefficient for plot type in the test model is near zero with 95% confidence interval that overlaps zero, indicating no clear relationship between snow hardness and plot type (β = 0.09 [-0.03, 0.20]). Predicted snow hardness values did not differ among plot types (Figure 11).

For track depth, the test model selected over the null model, but the test model performed similarly to the null model (ΔAICc < 2), so the model is not considered to be a significantly better fit than the null model (Table 5). Although there is no support for the test model, the test model results including beta coefficients and model predictions are presented. The test model indicated that track depth was marginally deeper at use plots than non-managed control plots. The 95% confidence intervals overlap zero, indicating a weak relationship (β = 0.15 [0.00, 0.31]). Predicted track depth values differed by less than 1 cm (Figure 11).

Table 5: Summary of Corrected Akaike Information Criteria Scores (AICc) from Generalized Linear Mixed Models Comparing Use Plots to Non-Managed Plots.

Model	Model Structure	AICc	ΔAICc	Weight
Snow Depth				
Test Model	**Plot Type**	**155.53**	**0.00**	**1.00**
Null	y-intercept	169.82	14.29	0.00
Snow Hardness				
Null	**y-intercept**	**1809.64**	**0.00**	**0.50**
Test Model	Plot Type	1809.67	0.03	0.50
Track Depth				
Test Model	Plot Type	1203.83	0.00	0.69
Null	y-intercept	1205.41	1.58	0.31

AICc = Akaike Information Criterion corrected for small sample sizes

The top model (shown in bold) was selected based on the lowest AICc and ΔAICc of at least two. A ΔAICc of less than two indicates an insignificant difference between support for either model. Weight refers to the relative likelihood of each candidate model being the best among the set of models tested.

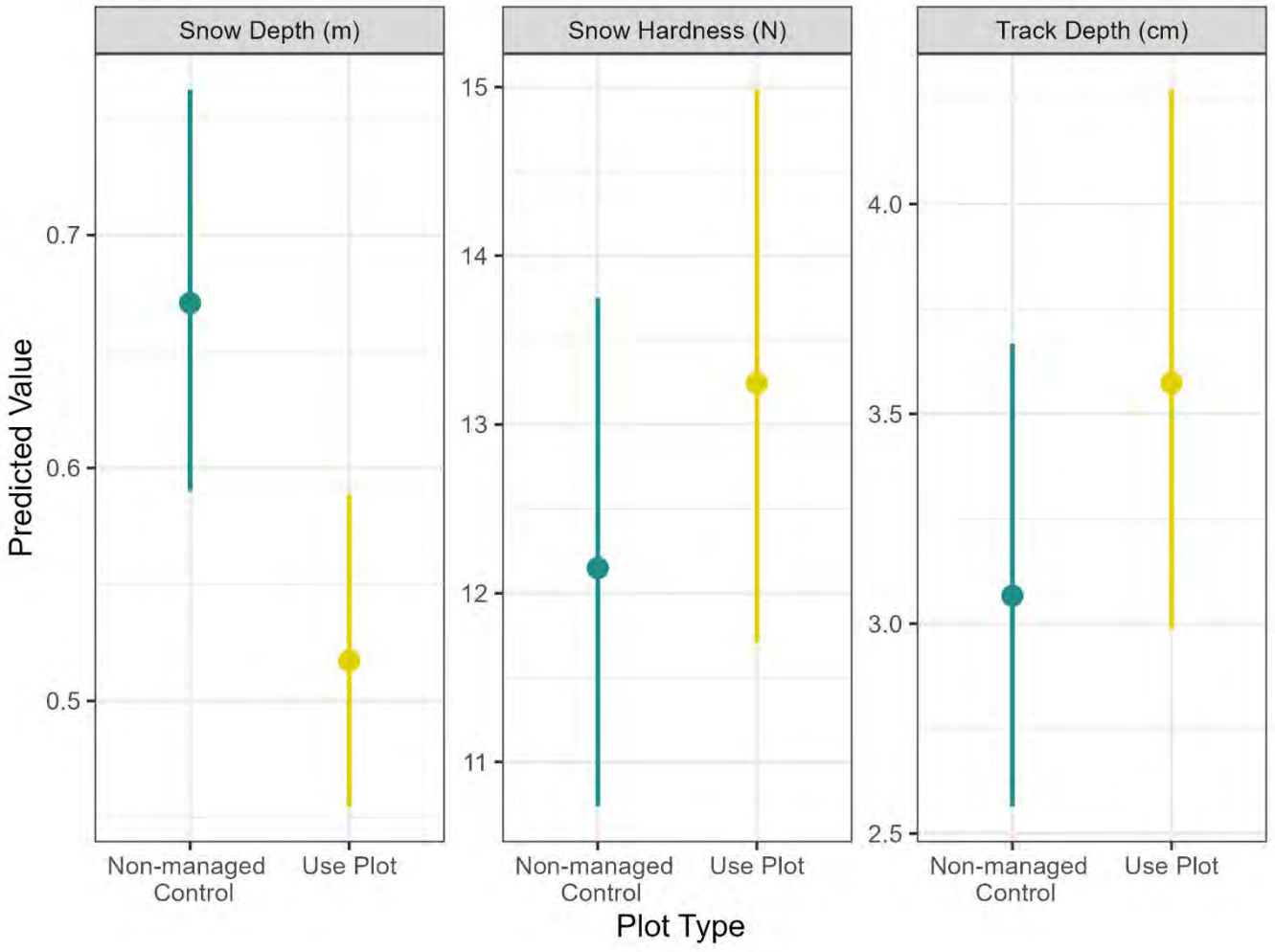


Figure 11: Predicted Values from Generalized Linear Mixed Models Comparing Use-Plots to Non-Managed Control Plots. Error bars represent 95% confidence intervals.

3.4 Climate Analysis

3.4.1 Temperature

Temperature data collected during the spring migration season (April 1 – May 25) at the Meadowbank airstrip weather station from 2013 to 2025 were analyzed to compare weather data during snow study years (2020 to 2025) to previous years (2013 to 2019). The temperature datasets during the migration season for these years were available for the majority of days, with one year missing one day of data (98.2% - 100% complete; Table 6).

Average temperature during the migration season was slightly warmer during the study period compared to the years prior (Table 6; Figure 12). Seasonal mean daily average anomalies (i.e. deviations from an average temperature for the entire dataset) were compared among years (Figure 13). Years 2013 – 2020 were colder on average than the baseline temperature, and 2022 – 2025 were warmer on average. This trendline aligns with projected climate warming trends, but due to the small number of years analyzed, it is unclear whether this is a short- or long-term pattern. Thaw-freeze events were more common during the study period than the period prior (Table 6).

Table 6: Annual Temperature Metrics from the Migration season (April 1 to May 25) from 2013 to 2025.

Migration Year	Migratory Period Sample Size (n)	Mean Daily Average Temperature (˚C)	Thaw-Freeze Events(A)
2013	55	-13.12	0
2014	55	-9.74	4
2015	55	-11.30	1
2016	55	-11.63	0
2017	55	-11.73	4
2018	55	-12.75	0
2019	55	-10.57	0
2020	54	-12.28	0
2021	55	-10.75	3
2022	55	-11.82	0
2023	55	-6.65	13
2024	55	-7.71	9
2025	55	-11.29	2

(A) Note: Thaw-freeze events are considered events when a daily average temperature of >0 ˚C is followed by a daily average temperature of <0 ˚C the following day.

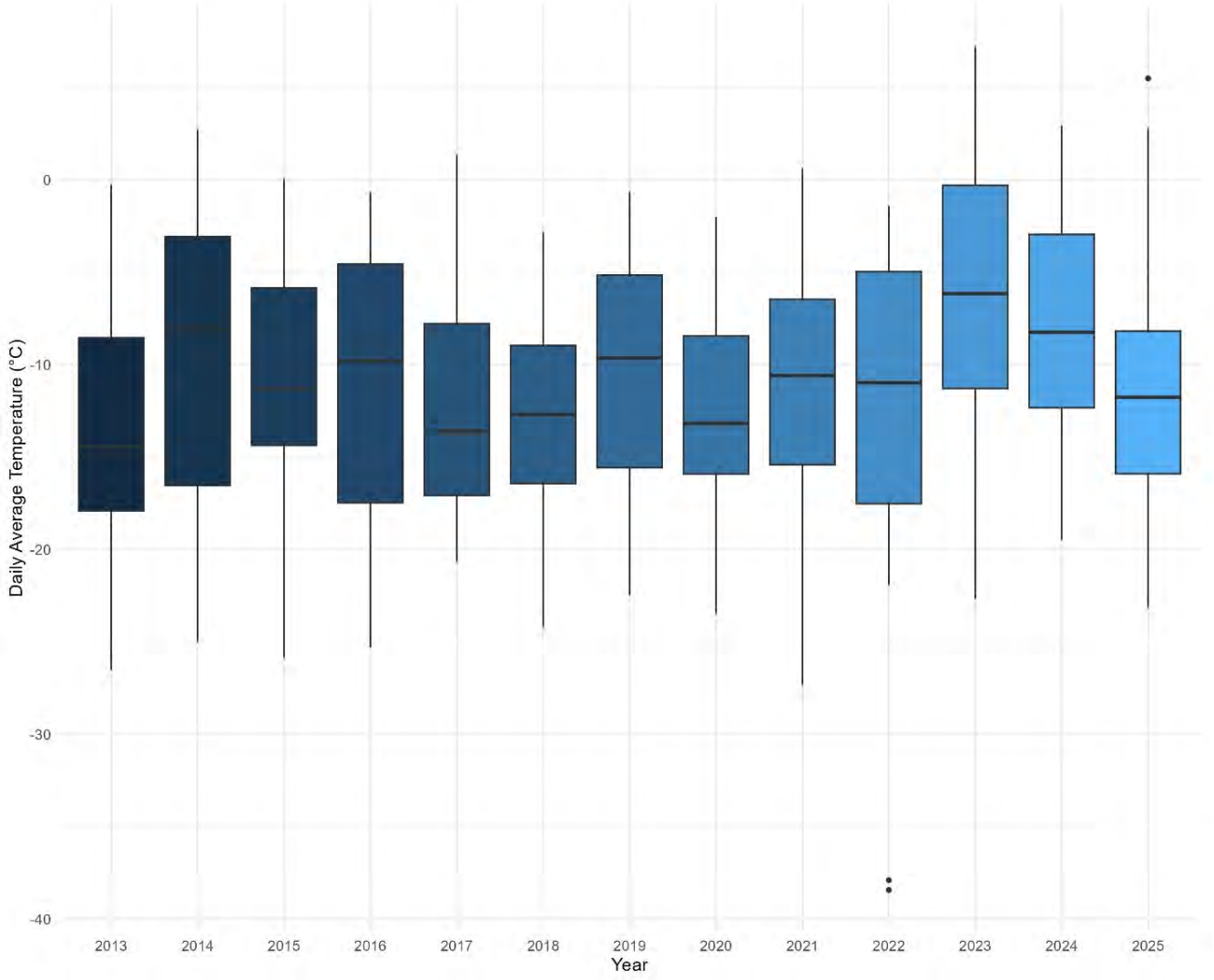


Figure 12: Mean Temperatures During the Migration Season (April 1 to May 25).

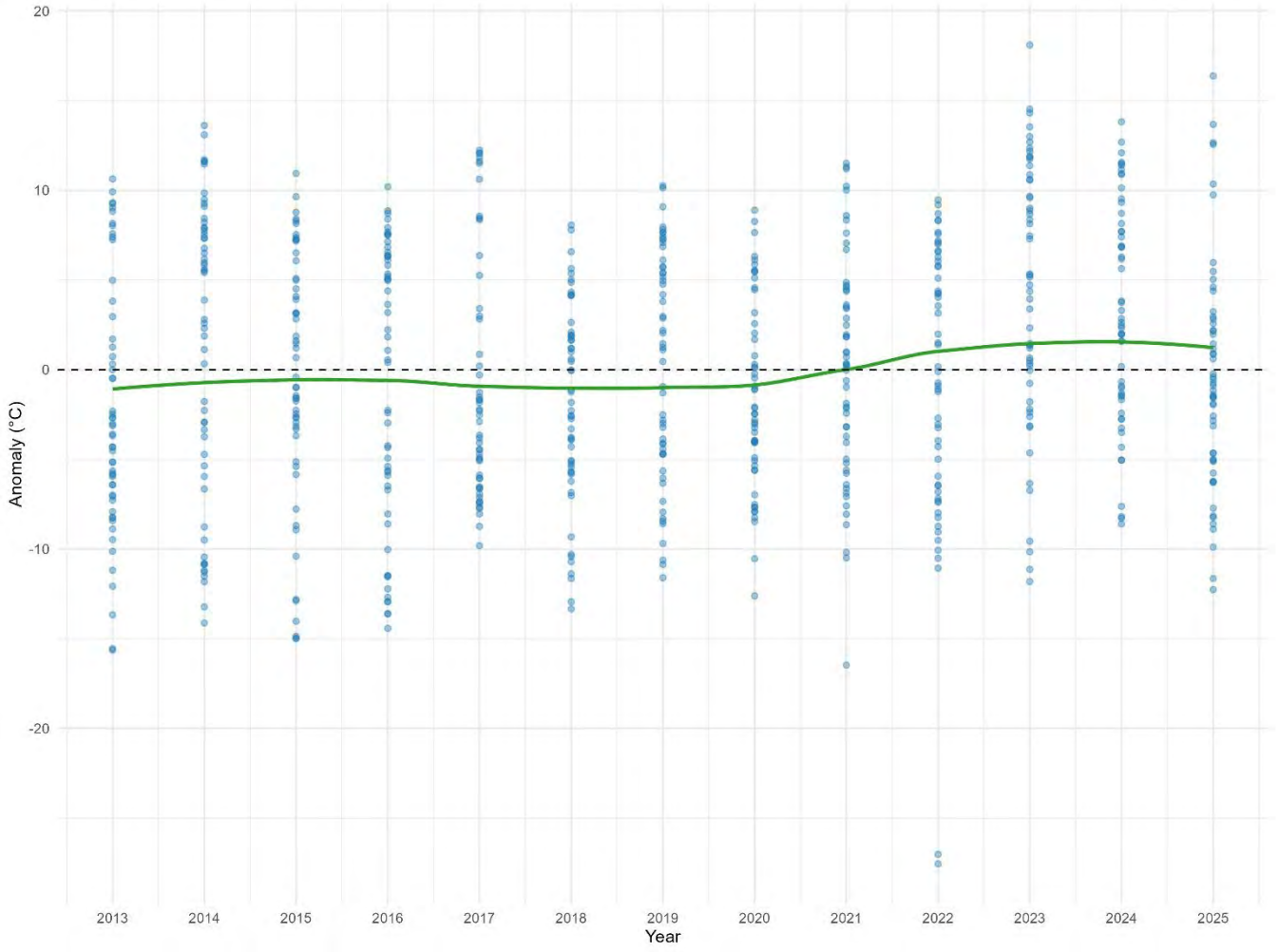


Figure 13: Temperature Anomalies During the Migration season (April 1 to May 25).

3.4.2 Precipitation

Precipitation data from 2014 to 2025 were analyzed for the snow season (November 1 to May 25) to compare weather data during snow study years (2020 to 2025) to previous years (2014 to 2019). Precipitation data for the snow season during these years were available for the majority of days, with some years missing one day of data (98.5% - 100% complete; Table 7). The assumption that the sum of the precipitation during the snow season can be used as a proxy for snow accumulation is supported by the infrequency of temperatures above 0˚C during the snow season and the average monthly temperature during the migration season being below 0˚C from 2013 to 2025 (i.e., the snow is unlikely to have melted before caribou migration) (Figure 12).

Total Precipitation during the snow season was lower during the years of the snow study (2020 to 2025), compared to previous years (2014 to 2019; Table 7; Figure 14). As note for temperature trends, the timescale is relatively short for assessing whether these are short- or long-term precipitation trends.

Table 7: Total Precipitation from the Snow seasons (November 1 to May 25) from 2014 to 2025.

Migration Year	Snow season (November 1 to May 25)	
	Sample Size (n)	Total Precipitation (mm)
2014	206	74.55
2015	207	157.25
2016	205	69.6
2017	206	133.75
2018	207	105.85
2019	206	61.7
2020	206	63.025
2021	206	39.775
2022	206	23.5
2023	206	38
2024	207	58.15
2025	206	45.7

Note: mm = millimetre.

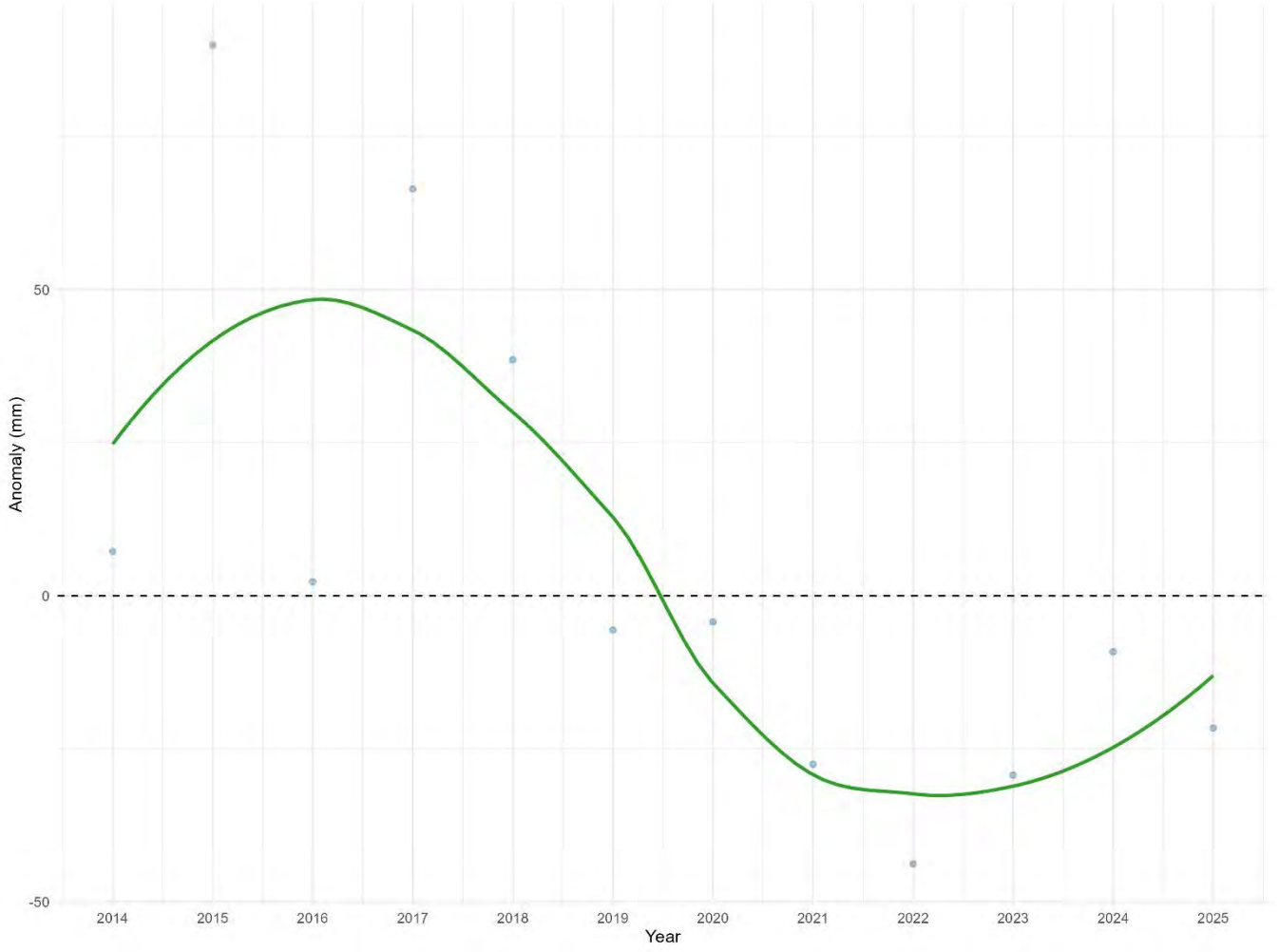


Figure 14: Precipitation Anomalies During the Snow Season (November 1 to May 25).

4.0 SUMMARY AND CONCLUSIONS

The snow study completed by Agnico Eagle was designed to investigate whether there was evidence that how snow is managed along the WTHR has implications to caribou movements. The snow study was designed and reviewed with the TAG to answer two key questions:

1) How do snow conditions within the managed snow area where caribou are crossing the WTHR differ from the snow conditions in adjacent portions of the berm where crossing did not occur?

2) How do snow conditions and caribou track characteristics differ between areas within the snow berm and areas beyond the berm where snow conditions have not been altered by snow removal activity?

Between 2020 to 2025, 98 locations were surveyed for the snow study, 25 of which were completed in 2025. Improvements for data collection implemented in 2023 and carried forward into 2024 and 2025 allowed for a full suite of snow data (snow depth, snow hardness, slope) and caribou track data (in used plots and non-managed control plots) to be collected at a total of 70 of the 98 survey locations. Although the key questions were targeted at the WTHR, due to low detection of fresh caribou tracks it was necessary to also monitor the AWAR. Snow management practices are similar for both roads, so no systematic difference is anticipated to influence results.

For key question 1, snow managed plots were not measurably deeper than caribou use plots indicating that caribou are not choosing areas based on snow depth at fine scales. Snow depth was typically around 0.5 m and this was the case whether measurements were taken on the east or west side of the roads. For reference, caribou winter ranges in non-forested areas can exhibit snow depths of 0.2 m to 0.6 m (Pruitt 1959) and the measured depth in this study is within this range. Results indicating that snow depth is similar between use plots and snow-managed control plots is not surprising because sampling of use and snow managed control plots at a given location along the WTHR or AWAR are approximately 5 m apart (see Figure 1). Overall, snow depth in snow managed areas was relatively shallow. For snow hardness, snow managed plots were harder than caribou use plots indicating that caribou may be choosing softer snow within snow managed areas around the WTHR and AWAR. However, the difference in hardness is about 1 to 2 Newton units and softer snow may be associated with the upwind side of roads (Table 1). Snow hardness of use plots and snow-managed control plots were similar on the downwind side of roads and similar to the snow-managed control plot results for the upwind side of roads.

For key question 2, snow depth was found to be shallower in use plots compared to non-managed control plots, and the snow depth of non-managed control plots did not vary by side of the road. This indicates that caribou are encountering (and using) deeper snow outside of the areas where managed snow occurs. It's possible that deeper snow is occurring away from roads due to varying topography and geology than supports road development. For snow hardness, no difference was detected between use plots and non-managed control plots. On average, after for controlling for differences at each road location, caribou track depth within use plots was 0.15 cm deeper than track depth in non-managed control plots. This small difference is not anticipated to result in a measurable change in effort for caribou as they move across the WTHR or AWAR (Fancy and White 1987).

In addition to the snow metrics measured to meet objectives 1 and 2, metrics associated with managed snow were measured at each of the road survey locations within the six sampling plots. Snow metric data included the snow berm height on roads and the width and slope of snow berms into adjacent areas. Considering snow survey locations across all years, the average snow berm height on both downwind and upwind sides of the road was less than 0.25 m (Table 1), which is about 22% of the leg length of female caribou (115 cm; Gauthier and Farnell 1986) and low enough that caribou can move over them. Average snow berm height was higher on the downwind

wide of the road, which is likely related to how Agnico Eagle manages snow to minimize the amount of blowing snow accumulating on roads for safety and to reduce the time required to clear snow. This approach also minimizes the amount of time road management vehicles are on the WTHR and AWAR. It is highly unlikely that snow berm height restricts caribou movement across the WTHR or AWAR during spring migration. Snow berms were wider on the downwind (east) than the upwind (west) sides of the road and were typically less than 5 m wide. The widest road surface along the WTHR and AWAR is approximately 8 m. Based on the measures in this study, the combined width of snow managed areas, including the road surface, is less than 15 m. This represents a small distance for caribou to traverse.

Regarding weather data, temperature during the migratory season (April 1 – May 25) was marginally warmer and total precipitation during the snow season (November 1 – May 25) was lower during the study period compared to the years prior. Note that while it is important to consider how weather during the study period differs from previous years to interpret results of the study, these weather patterns are not climate trends. Climate analysis generally requires 30 years of data or more to determine climate averages and trends (WMO 2025). The weather trends observed in this analysis do align with some climate trends (e.g., warmer average temperatures), but the cause of these weather trends can't be confidently linked to climate change without more data collection. Despite this distinction between climate and weather, comparing pre-study to study period weather patterns to determine how applicable the results of the study are is possible and relevant. Total precipitation was calculated from November 1 to May 25 and given that this period consistently remains below 0°C it can be used as a proxy for snow accumulation and snow depth. Therefore, snow depth was likely shallower during the study period than the years prior. However, snow depth on the berm was significantly shallower in use plots than non-managed control plots. Therefore, more precipitation likely would not mean deeper snow on the berm or higher berms. The berms are flattened during road clearing, so more precipitation could lead to wider berms. However, there is no clear relationship between berm width and track depth, so wider berms are unlikely to impede caribou movement. Temperatures during the migration season were slightly warmer during snow study years compared to previous years, and the number of thaw-freeze events (events when the daily average is above zero, followed by a daily average below zero) increased during the study period. While these may be ecologically relevant for caribou, it is unlikely to impact future snow mitigation recommendations.

In conclusion, the results of this study indicate that snow depth and hardness associated with snow removal from the WTHR and AWAR are similar or show very small differences relative to snow conditions of unmanaged snow. Managed snow is not deep and is within the range that caribou may encounter on the tundra. Snow hardness was not substantially different than non-managed snow where caribou may become stuck while crossing roads during spring migration. The results of other snow metrics measured for snow berm height, width and slope do not support that they may impede movements by caribou. Slope was similar on upwind and downwind sides of the road. The cost of locomotion on inclines in caribou is reduced by easier movement during descent (Fancy and White 1987). Considering that the width of snow berms is small generally and four times wider on the descending side of roads (i.e., east side), the net energetic cost of traveling over road snow slopes is likely unmeasurable (Fancy and White 1987). For example, based on the movement speed of 500 m/hr measured for collared caribou during spring migration (WSP 2025), it would take caribou about 2 minutes to cross over snow managed areas and road. Note that the referenced speed includes all behaviour activities such as feeding and resting and does not explicitly reflect only movement. A typical walking speed for caribou is about 3,000 m/hr (Fancy and White), which would require less time over the same 15 m distance. The results do not support that snow management areas along the WTHR or AWAR are likely to result in measurable energetic or ecological impacts to caribou.

Agnico Eagle has fulfilled Commitment #9 to assess snow conditions from snow management practices, so the snow study can be discontinued.

5.0 CLOSURE

We trust that this submission meets your current requirements. If you have any questions regarding the contents of this memorandum, please contact the undersigned.

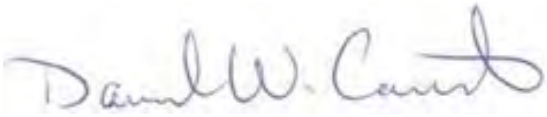
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APPENDIX J

Caribou Behaviour Monitoring

PREPARED FOR

AGNICO EAGLE

Meadowbank Mine

2025 Caribou Behaviour Study

DATE
February 2026

REFERENCE
0777473



SIGNATURE PAGE

Meadowbank Mine

2025 Caribou Behaviour Study

February 2026



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ACRONYMS AND ABBREVIATIONS

ΔAIC	difference in AIC
>	greater than
%	percent
≤	smaller than or equal to
Agnico Eagle	Agnico Eagle Mines Limited
AIC	Akaike Information Criterion
AWAR	All-Weather Access Road
CIRNAC	Crown-Indigenous Relations and Northern Affairs Canada
Complex, the	Meadowbank Complex (Meadowbank Mine and Whale Tail Mine)
ERM	ERM Consultants Canada Ltd.
GLMM	generalized linear mixed-effects model
GPS	Global Positioning System
IOL	Inuit Owned Land
IQ	Inuit Qaujimajatuqangit
KivIA	Kivalliq Inuit Association
km	kilometre
m	metre
NIRB	Nunavut Impact Review Board
p-value	probability value
Road, the	All-Weather Access Road and Whale Tail Haul Road
SD	standard deviation
T&C	Term(s) and Condition(s)
TAG	Terrestrial Advisory Group
TEMP	Terrestrial Ecosystem Management Plan
WTHR	Whale Tail Haul Road

EXECUTIVE SUMMARY

The Meadowbank Complex (the Complex), owned and operated by Agnico Eagle Mines Limited (Agnico Eagle), is located on Inuit Owned Land (IOL) and includes the Meadowbank Mine, approximately 90 kilometres (km) north of the Hamlet of Baker Lake, and the Whale Tail Mine located approximately 150 km north of Baker Lake. A 108 km All-Weather Access Road (AWAR) connects the Meadowbank Mine to Baker Lake, and the 72 km Whale Tail Haul Road (WTHR) connects the Meadowbank Mine to the Whale Tail Mine. During spring and fall migration, caribou from the Lorillard caribou herd, along with smaller numbers of Wager Bay and Ahiak caribou periodically cross through the Complex, AWAR, and WTHR.

As part of the Nunavut Impact Review Board (NIRB) Project Certificates #004 and #008, Agnico Eagle is required to study and report on the effects of the two mines on caribou. The Meadowbank Complex Terrestrial Ecosystem Management Plan (TEMP; Agnico Eagle 2025) outlines a behaviour monitoring program for caribou, which has been conducted annually from 2020 through 2025. Agnico Eagle retained ERM Consultants Canada Ltd. (ERM) to support the reporting of the monitoring results.

In 2019, a Terrestrial Advisory Group (TAG) was formed as a collaborative forum to discuss Inuit Qaujimajatuqangit (Inuit Traditional Knowledge), Traditional Knowledge, and Western science applications to mitigation and monitoring programs related to caribou movement in proximity to the Complex. Caribou monitoring and analyses methods have been revised since 2019 to incorporate suggestions and recommendations of the TAG and the Kivalliq Inuit Association (KivIA).

During the spring and fall migration periods, summer calving period, and winter period of 2025, Agnico Eagle environmental technicians, contractors, and Nunavummiut seasonal workers completed caribou behaviour monitoring surveys at the Complex.

Behaviour monitoring data from 2025 was combined with data from 2020 through 2024 to include an analysis of temporal trends. The key findings from the 2025 program were similar to previous years and included the following:

- Caribou behaviours were predominantly non-response behaviours (i.e., standing, laying, and feeding).
- Caribou group sizes ranged from 1 to 2 individuals to greater than (>) 100 individuals.
- Small groups of caribou (1 to 2 individuals) tended to have a higher proportion of response behaviours (trotting or running, alert) than larger groups, irrespective of disturbances.
- Caribou behaviour was not correlated with their distance to the road.
- Modelling indicates that following a single disturbance, 90% of groups would return to baseline behaviour after 6 minutes, and 98% groups would return to baseline behaviour after 9 minutes.
- In response to comments from KivIA in 2022, “walking” behaviour was investigated to determine if it could be considered a response behaviour instead of a non-response behaviour. From 2023 to 2025, disturbances were found to statistically increase the proportion of caribou walking.

- When large groups of caribou were present, the roads were closed to non-essential Complex related traffic. Closure of the roads followed a decision-making framework outlined in the Meadowbank Complex TEMP. Road closure status did not affect response behaviour, although the road being open was positively correlated with walking behaviour.
- Groups of caribou were observed on both the east and west sides of the road in all seasons but were more commonly observed on the west side during spring migration and the east side during fall migration (i.e., upstream of the dominant direction of travel).

1. PROJECT OVERVIEW

The Meadowbank Complex (the Complex), owned and operated by Agnico Eagle Mines Limited (Agnico Eagle), is located on Inuit Owned Land (IOL) and includes the Meadowbank Mine and the Whale Tail Mine. The Meadowbank Mine, located in the Kivalliq Region of Nunavut (Figure 1-1), received a Project Certificate (#004) from the Nunavut Impact Review Board (NIRB) in 2006. The adjacent Whale Tail Mine received a Project Certificate (#008) from the NIRB in 2018, which was amended in 2020. The Project Certificates and subsequent Water Licences (2AM-WTP1830 and 2AMMEA1526), Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) Land Lease, and Kivalliq Inuit Association (KivIA) Production Lease, allowed development of five gold deposits since the start of operations at the Meadowbank Mine and the first phase of the Whale Tail Mine. This has included construction of a gold mine and ancillary facilities, including a 108 km all weather access road (AWAR), 72 km Whale Tail Haul Road (WTHR), barge unloading facilities, laydown area, and a fuel tank farm near the Hamlet of Baker Lake. The AWAR connects the Meadowbank Mine to Baker Lake, and WTHR (collectively referred to hereafter as the Road) connects the Meadowbank Mine to Whale Tail Mine to form a continuous road. The Meadowbank Mine is located approximately 90 km north of the Hamlet of Baker Lake. Mining has ceased at Meadowbank, but the site hosts accommodation facilities; an active mill; and ancillary mechanical facilities, maintenance facilities, and vehicles. The Whale Tail Mine, located approximately 150 km north of the Hamlet of Baker Lake and 50 km northwest of Meadowbank, is an open-pit, truck-and-shovel mine operation and will produce an estimated 31.8 million tonnes of ore. Ore is hauled from the Whale Tail Mine to the Meadowbank Mine for milling via the WTHR.

From 2020 to 2025, studies of caribou behaviour were conducted year-round at the Complex, including the Road, to monitor for potential mine effects on caribou.

Project Terms and Conditions and Terrestrial Ecosystem Management Plan

In the NIRB Certificate (#008) for the Whale Tail Mine, Term and Condition (T&C) 28 requires the Whale Tail Mine to have a terrestrial ecosystem management plan (TEMP):

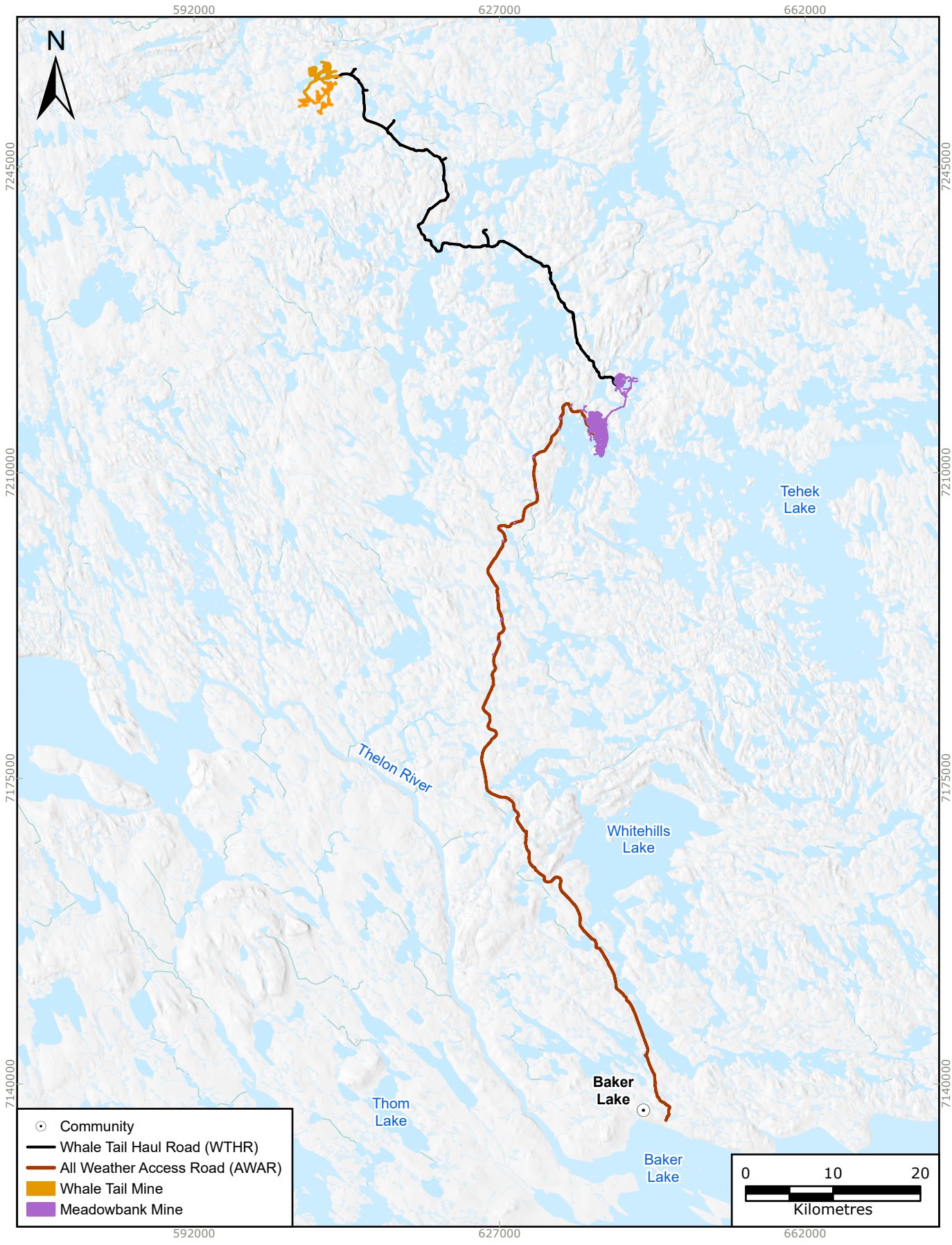
> (NIRB #008; T&C 28) The Proponent shall maintain a Terrestrial Ecosystem Management Plan (TEMP) throughout all phases of the Project. The Plan shall include detailed monitoring, mitigation, and adaptive management measures for wildlife, with consideration for each Project activity predicted to affect wildlife, and with inclusion of specific triggers for mitigation and adaptive management intervention. The TEMP shall demonstrate consideration for all relevant commitments made by the Proponent throughout the Nunavut Impact Review Board's review of the Project.

Additionally, in the NIRB Certificate (#004) for the Meadowbank Mine, T&C 54 further outlines requirements for a TEMP, including:

> (NIRB #004, T&C 54) Statistical validation to support the conclusions drawn from monitoring impacts of the mine and infrastructure on wildlife.

The Meadowbank Complex TEMP (Agnico Eagle 2025) is designed to meet these conditions and includes a survey program for caribou that records caribou behaviour in response to various disturbances.

FIGURE 1-1 LOCATION OF MEADOWBANK MINE AND WHALE TAIL MINE



ERM

CLIENT: AGNICO EAGLE MINES LIMITED
GIS NUMBER: AEG-15-075-01

DATE: 23 February 2026

PROJECTION: NAD 1983 UTM Zone 14N
SCALE: 1:600,000 when printed at 8.5x11

2. STUDY OBJECTIVES

Based on guidance from the TEMP, the overall objective of the caribou behaviour monitoring program is to **determine if caribou activity budgets** (i.e., the proportion of time caribou spend exhibiting different behaviours) **change with distance from the Complex, and to document caribou response to stressors**.

To address the overall objective, detailed sub-objectives in 2025 were as follows:

1. Estimate how mine infrastructure at the Complex, including the Road that crosses through the Complex area, influence the proportion of caribou displaying response behaviours.
2. Identify the stressors that influence the proportion of caribou showing response behaviours near mine infrastructure at the Complex, including the Road. To identify the stressors, the following characteristics in relation to caribou behaviour were examined:
    a. Road crossings with group size and distance to infrastructure;
    b. Behaviour type with group size and distance to infrastructure;
    c. Behaviour type and environmental/temporal variables;
    d. Road closure status;
    e. Season and side of the road;
    f. Number of disturbances;
    g. Response to disturbances;
    h. Direction of caribou and travel; and
    i. Convoy duration and size.

The primary hypothesis of this study was that caribou closer to mine infrastructure and the road would demonstrate a stronger response to disturbances, including vehicles. Predictions included that caribou would be more responsive to the same disturbances at closer distance from the source, and when present in smaller groups.

3. BACKGROUND

Five caribou subpopulations may occur in proximity to the Complex: Lorillard, Wager Bay, Qamanirjuaq, Beverly, and Ahiak. However, it is primarily caribou from the Lorillard herd that occur near the Complex, as well as smaller numbers of caribou from the Ahiak and Wager Bay herds. Collar data indicate that caribou are present in the Complex area mostly in late winter and during fall rut.

3.1 LORILLARD HERD

The Lorillard caribou herd is a mid-sized caribou herd that totalled 33,454 animals in 2021 (Government of Nunavut Department of Environment 2021). Previous population estimates from 2002 and prior included caribou from the Wager Bay herd, because the delineation of calving areas was not known at the time. The Lorillard herd range occurs entirely in Nunavut, with the core of its range stretching northward from Chesterfield Inlet on the Hudson Bay coast and westward toward Baker Lake.

The herd generally winters on the tundra in northern central mainland Nunavut. Spring migration is westward and north of Chesterfield Inlet, past the Hamlet of Baker Lake, to a calving ground south of Wager Bay and close to the Hudson Bay coast (Nagy and Campbell 2012). Although caribou may be near to the Hamlet of Baker Lake, Meadowbank Mine, Whale Tail Mine, the AWAR, and the WTHR year-round, they frequent the area during late April and early May, which coincides with spring migration (Agnico Eagle 2025).

Following calving, the caribou form into large groups and generally move west and inland, gradually returning west toward their wintering areas by early December (Nagy and Campbell 2012). Throughout this period, caribou may be near to or cross the mine infrastructure at the Complex.

3.2 EXISTING CARIBOU MANAGEMENT MEASURES

As per the TEMP, during peak migration, the Road is closed to all but essential mine traffic. To reduce sensory disturbance during road closures, essential mine traffic typically travels in scheduled convoys. During non-peak periods, caribou observations near the road trigger speed restrictions that apply to all mine traffic. Road closures are triggered separately for the WTHR and the AWAR. Drivers for the two mines are also trained to slow down when caribou are within sight and to follow the mitigation measures outlined in the TEMP.

Caribou surveys were considered an essential activity by the two mines, allowing for the use of a pickup truck on the Road during road closures.

3.3 TERRESTRIAL ADVISORY GROUP

In 2019, a Terrestrial Advisory Group (TAG) was formed as a collaborative forum to discuss Inuit Qaujimajatuqangit (Inuit Traditional Knowledge), Traditional Knowledge, and Western science applications to mitigation and monitoring programs for the Meadowbank Mine, including on caribou movement in the Meadowbank Mine area. Members of the group include the Government of Nunavut, KivIA, and the Baker Lake Hunters and Trappers Association. Following discussions of

the caribou behaviour survey results in 2020 and 2021, the TAG and particularly KivIA suggested several changes to the survey protocol and analysis methods. These changes included adding a variable for road closures and testing whether the behaviour "walking" could be considered a response behaviour. In 2022, a variable for caribou movement direction relative to the Road was added to the analysis and additional information was collected on the speed of passing vehicles. From 2023, onwards, the duration and number of vehicles in essential mine traffic convoys were recorded to understand how these variables may influence caribou behaviour. Additions for the 2025 analysis based on TAG member comments include additional analysis of caribou travel direction relative to the AWAR or WTHR. Agnico Eagle endeavoured to incorporate all the suggestions of the TAG into the 2025 data collection process and analysis.

4. STUDY AREA

The Meadowbank Mine is located approximately 90 km north of the Hamlet of Baker Lake, and the Whale Tail Mine is located approximately 150 km north of the Hamlet of Baker Lake. The Complex (including both the mines) is approximately 300 km inland from the northwest coast of Hudson Bay and is above the tree line near the Arctic Circle. The local physiography is characterized by numerous lakes and low, rolling hills covered mainly by lichen/rock complexes and heath tundra.

The study area for the caribou behaviour monitoring program extended north from the southern extent of the AWAR at the Hamlet of Baker Lake to the northern end of the Whale Tail Mine footprint and included the Meadowbank Mine and the WTHR (see Figure 1-1). Behaviour surveys were completed on any caribou that could be observed up to 3 km away from the mine infrastructure at the Complex, including the AWAR and WTHR, with the aid of binoculars.

5. METHODS

5.1 BEHAVIOUR SURVEYS

Survey methods for behaviour surveys completed at the Complex followed caribou behaviour monitoring protocols developed by the Government of Northwest Territories Department of Environment and Natural Resources (2017). In 2020, ERM refined these methods for Agnico Eagle's Nunavut mine operations. The updated methods focus on scan samples instead of both scan and focal samples. Given time and personnel constraints, the focus on scan samples was a more efficient use of time and produced better quality data. The updated methods also include an initial survey step to randomize which group of caribou to monitor when multiple groups are available. Each year from 2021 to 2025, these methods were further updated to reflect lessons learned since 2020:

- The 2021 updates included recording additional information such as if the caribou were east or west of the Road;
- The 2022 updates included recording the direction of caribou travel and the speed of vehicle traffic;
- The 2023 updates included recording the size and duration of convoys operating on the closed road; and
- All of these updates were retained and incorporated in 2024 and 2025. Detailed survey protocols are attached in Appendix A.

Behaviour surveys were completed by:

- Identifying caribou groups visible from mine infrastructure including the Road;
- Randomly selecting groups for observation; and
- Recording the behaviour of individuals in groups of different sizes, including their responses without any disturbance and in response to mine-related activities and natural factors.

Surveys were completed during spring migration, summer, fall migration, and winter with efforts to conduct roughly equal numbers of surveys in spring and fall migration seasons. Reconnaissance surveys were initially completed during the 2020 field season to identify where caribou groups were located but many caribou groups would move away from the Road before the field crew returned to complete the behaviour survey. As such, reconnaissance surveys were not continued from 2021 to 2025. Where multiple groups of caribou were observed, surveyors randomly chose which group to sample, or chose groups to fill sampling gaps specifically for the group size and distance from road variables. Filling survey gaps enables adequate data collection for each key variable to allow for a more thorough analysis.

Information recorded included the location and its Global Positioning System (GPS) coordinates, weather conditions, road structure, and the location of the caribou group in relation to the Road. Initially, distance values were estimated by the observer, but since 2021, a laser rangefinder has been used to record distance. The behaviour of individual caribou in the group was categorized at the start of the survey and every 3 minutes after that (referred to here as a "time interval"), until 30 minutes had elapsed. Behaviour categories and their definitions were standardized following Government of Northwest Territories Department of Environment and Natural Resources (2017) classifications. The behaviour categories were feeding, lying down, standing, alert, walking, and trotting or running.

At each 3-minute interval, surveyors recorded the number of individuals in the group exhibiting each behaviour at that time. When surveying large groups (greater than [>] 100 individuals), a subset of individuals was surveyed as opposed to the entire herd. Therefore, the behaviour of large groups was defined by the behaviour of the sampled subset. A disturbance event is defined as any human-caused loud noise, low-flying aircraft, or a vehicle travelling on the road. If a disturbance event occurred during the survey, the time and type of disturbance was recorded. Of the disturbances recorded in the 5 years of data collection, 95 percent (%) were from road -related disturbances (vehicles) and 5% were from blasts or helicopters. Blast disturbances were monitored under the scope of the Blast Monitoring Program, developed in collaboration with the TAG (Agnico Eagle 2025). In the analysis, all disturbances were treated equally.

In this report, "alert" and "trotting or running" behaviours are referred to collectively as "response behaviours," but it is important to note that this is irrespective of whether there were disturbances recorded. Walking was also assessed as a response behaviour in some analyses, which are specifically noted in the results.

Following recommendations from the TAG in 2021, an additional set of longer surveys was added to the annual survey methodology to specifically look at the behavioural response to convoys of vehicles. These surveys were 90 minutes each, consisting of a "before convoy," "during convoy," and "after convoy" survey. Observers sought out caribou groups that were likely to remain within view for 90 minutes, based on surrounding terrain. However, caribou frequently walked out of sight prior to completion of the 90-minute survey period. A total of 9 surveys were completed each year in 2021,2022, and 2025, 17 in 2023, and 10 in 2024.

5.2 DATA ANALYSIS

The objective of the data analysis was to quantify trends in the survey data and determine whether factors such as distance to mine infrastructure at the Complex (including the Road), group size, or disturbances influence caribou behaviour. The primary hypothesis was that caribou closer to the road would demonstrate a stronger response to disturbances. An initial exploratory analysis was completed to visualize the data and determine the appropriate method for analyzing the data.

A regression analysis was conducted to test whether the data from these surveys could be analyzed statistically. To increase the power to detect changes in caribou behaviour, the behaviour categories were grouped for analysis into response behaviours (alert and trotting or running) and non-response behaviours (feeding, lying down, standing, and walking).

Following the 2020 analysis, the TAG requested Agnico Eagle to explore whether the proportion of walking caribou changed as a response to disturbance. This was done to see if walking would be better categorized as a response behaviour or non-response behaviour. To test this, a model that included walking and response behaviours was run in addition to the original model that only included response behaviours.

Generalized linear mixed-effects models (GLMMs) were used to assess the differences in the proportion of response behaviours in surveyed animals as a function of various controlling variables, including the occurrence of disturbances. Due to the binary nature of the response

variable, proportions were modelled using a binomial distribution. Because small groups naturally have greater variability in values (e.g., it is more likely that "all" or "none" of caribou are alarmed when there are only two caribou), an offset for the total number of caribou with tallied behaviour was included. This regression framework provides a means to control for environmental variables, repeated measurements, and spatial correlation. Random effects for survey ID were included to account for spatial and temporal autocorrelation.

Statistical analyses were conducted using R Statistical Software version 4.5.2 (R Core Development Team 2025). Two dependent variables were tested:

1. The first dependent variable tested was the proportion of response behaviours in each 3-minute interval in each survey; and
2. The second dependent variable tested was the proportion of walking plus response behaviours in each 3-minute interval in each survey.

The two dependent variables were each modelled against a suite of potentially important predictor variables to determine if there was any statistical relationship between the predictor and response. The variables included in this analysis were group size, distance to the Road, temperature, wind speed, season and side of the Road (upstream/downstream), the Road's status (closed or open), and a binary variable identifying whether a disturbance occurred during each 3-minute interval. The distance to the Road is a binned categorical variable to account for changes in the method of distance recording that was created in 2021 and to allow for the inclusion of 2020 data. Season and side of the Road were included as an interaction term because direction of travel is seasonally dependent. This means that season and side of the Road were combined as one interaction term in the model and individually as fixed effects. The interaction term makes it possible to identify the "upstream" and "downstream" side of the Road, based on the season. In 2025, the duration of each convoy and the number of vehicles in each convoy were recorded; however, limited data precluded the inclusion of these data in models for 2025.

For each dependent variable, GLMMs were constructed and tested for model fit, as evidenced by the Akaike Information Criterion (AIC). The AIC is a number that is helpful for comparing models as it includes measures of both how well the model fits the data and how complex the model is. The top models were identified as having a low AIC and were within a two-unit difference in AIC ($\Delta AIC \leq 2$)[1] of the top-ranked model (i.e., the model with the lowest AIC; Burnham and Anderson 2004). This is the industry standard for identifying models that are essentially "equally good" at explaining the data. Models with ΔAIC of 2 to 4 from the top model are generally considered to have "limited support" (Burnham and Anderson 2004).

A second modelling procedure was used to investigate the amount of time caribou were engaged in response behaviour associated with disturbances during a survey. For a response to be included, the proportion of caribou exhibiting response behaviour after a disturbance had to be 40% greater than in the interval before disturbance. The response was considered "over" when the proportion of caribou exhibiting response behaviour returned to the level observed in the interval before the disturbance (the baseline, ±5%). This variable, called "duration of response," was assessed for

[1] ≤ = smaller than or equal to

each survey during which at least one disturbance occurred. Surveys that started with 100% of individuals exhibiting response behaviour were excluded as the associated disturbance and baseline behaviour was unclear. In surveys where there was more than a single period of response behaviour, the total time disturbed was calculated for that survey. Because the duration of a response is a "time-to-event" variable (time to return to baseline behaviour), Cox's proportional hazards regression was used to model the duration. Durations were right-censored if the caribou did not return to background behaviour prior to the end of the observation period.

As the start and end of the response could happen within 3-minute intervals, but the exact time was not recorded due to sampling constraints, ERM assumed that the duration was 3 minutes for every interval included. For example, if the response behaviour occurred only within one interval, it was given a duration of 3 minutes, while if it occurred in two intervals, it was given a duration of 6 minutes. If no response occurred after a disturbance, it was given a duration of 0 minutes.

A duration-of-response model was fit using caribou group size and a variable indicating the number of intervals that contained a disturbance (number of disturbances). The sample size was too small to include other variables or interaction terms and still achieve convergence.

6. RESULTS AND DISCUSSION

6.1 CARIBOU DISTRIBUTION RELATIVE TO THE MINE

Through a Data Sharing Agreement, the Government of Nunavut provided Agnico Eagle with caribou GPS collar locations during spring migration over the 6 years surveyed (2020 to 2025). Data collected from the GPS collars indicated when collared caribou were approaching the Complex and the Road. When caribou were approaching the Complex, viewsheds or road surveys were conducted as required by Agnico Eagle personnel to identify appropriate management actions. The results of the viewshed or road surveys and the associated collar data informed the decision to begin dedicated caribou behaviour surveys. In addition to spring migration, surveys were also conducted during peak fall migration to enable an even distribution of survey effort across both spring and fall seasons. In 2025, no surveys were completed during the summer season due to a lack of caribou present in the area.

Survey locations by season are presented on Figure 6.1-1. During spring migration and fall migration, scattered groups of caribou from the Lorillard herd were observed passing through or near the study area, with the highest numbers of caribou groups observed in April (a total of 22 distinct groups were observed, comprising 2,363 individuals overall).

Spatial locations of caribou observations and associated behaviour surveys along the Road varied each year from 2020 to 2025 (Figure 6.1-1). In 2025, caribou behaviour surveys were completed roughly equally at the WTHR and AWAR. Caribou were observed most frequently during the fall migration season in the southern portion of the study area along the AWAR from 2020 to 2024; however, this trend was not as prominent in 2025 when caribou were more evenly distributed. Differences in survey distribution between years may result from limited sampling bias primarily in early survey years; however, it is more likely explained by interannual variations in where caribou occur relative to the Complex.

6.2 CARIBOU BEHAVIOUR SURVEYS

A total of 57 behaviour surveys were completed at the Complex in 2025 (Table 6.2-1). Surveys were balanced relatively equally between spring and fall migration periods; however, no surveys were completed in the summer and winter season due to a lack of caribou present during these seasons. In 2021, there was a greater emphasis on surveying during spring migration; however, that emphasis changed in subsequent years to focus on completing surveys during both spring and fall migration. During all survey years, behaviour surveys were opportunistically completed whenever caribou were encountered on reconnaissance drives.

In 2025, survey data were collected across a range of key survey variables, which was consistent with previous years' survey efforts. Surveys were completed on all caribou group sizes in 2025 (Table 6.2-2) and recorded road crossings across a variety of caribou group sizes. Road crossings, however, remained low in occurrence, which was consistent with previous years (Table 6.2-2; Appendix B). In 2025, surveys with disturbance events were captured across all caribou group sizes. At least 44% of those surveys, in all group size categories, recorded a disturbance in 2025 (Table 6.2-2). In over 6 collective years' data, 49% of the surveys contained a disturbance event (Appendix B).

FIGURE 6.1-1 LOCATIONS OF BEHAVIOUR SURVEYS BY DATE

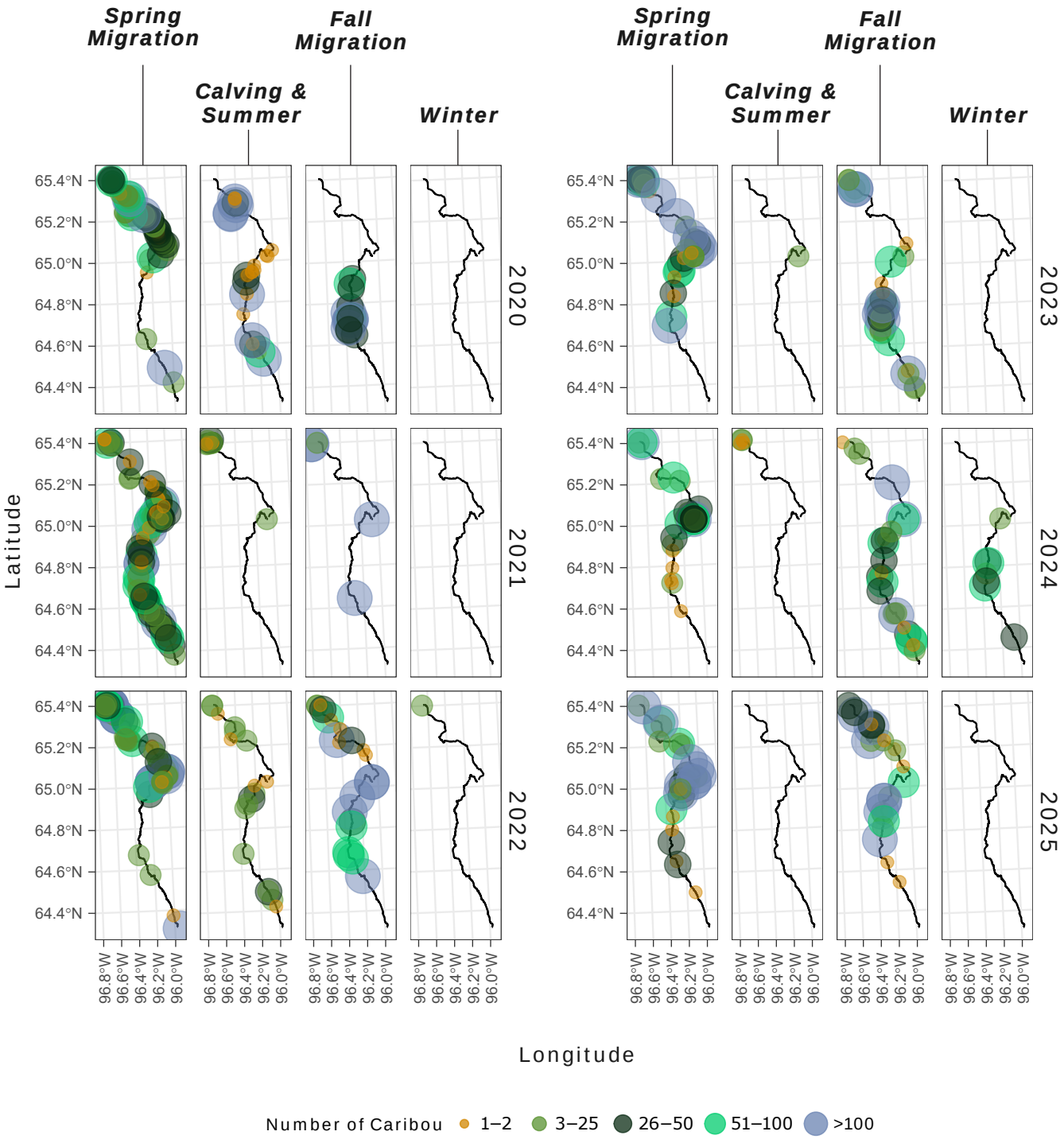


TABLE 6.2-1 CARIBOU BEHAVIOUR SURVEYS SEASONAL DISTRIBUTION, 2020 TO 2025

Season	2020	2021	2022	2023	2024	2025
Spring Migration	71	114	63	38	31	30
Calving/Summer	31	15	18	1	5	0
Fall Migration	14	5	23	31	27	24
Winter	0	0	1	0	7	3
Total	**116**	**134**	**104**	**70**	**70**	**57**

TABLE 6.2-2 MEADOWBANK COMPLEX CARIBOU BEHAVIOUR SURVEYS DATA SUMMARY, 2024

Caribou Group Size	Total Number of Surveys 2025	Surveys with Disturbance 2025	Surveys with Road Crossing 2025
1–2	13	8	2
3–25	15	13	1
26–50	9	5	0
51–100	5	4	0
>100	16	7	3
Total	**58**	**28**	**5**

Note:
> = greater than

Surveys were spatially distributed across both the east and west sides of the Road in each of those 6 years (Table 6.2-3; Appendix C). In 2025, surveys completed during spring migration recorded two surveys where caribou were observed on both sides of the Road during the same survey period. All other spring migration surveys recorded groups on the west side of the Road at the beginning of each survey. During fall migration in 2025, 21 surveys recorded caribou groups on the east side of the Road and 6 surveys recorded caribou groups on the west side of the Road at the start of each survey. Results from all surveys from 2020 through 2025 are reported in Appendix D.

TABLE 6.2-3 SUMMARY OF SPATIAL DISTRIBUTION OF SURVEYS, 2025

Season	Surveys of Caribou on East Side of the Mine Infrastructure 2025	Surveys of Caribou on West Side of the Mine Infrastructure 2025	Surveys of Caribou on Both Sides of the Mine Infrastructure 2025
Spring Migration	0	26	2
Fall Migration	21	6	0
Total	**21**	**32**	**2**

6.3 EXPLORATORY ANALYSIS RESULTS

The exploratory analysis was performed to determine if there were any trends or interactions in the following variables: road crossing, group size, distance to the Road, weather and timing, Road closure status, side of the Road (east or west), number of disturbances, and response time following disturbances. An additional analysis was planned to look at how the number of vehicles in a convoy and the duration of a convoy influence caribou behaviour; however, due to a lack of data, this was not possible in 2025 despite nine convoy surveys being conducted. All results use the combined data from 2020 to 2025, unless otherwise stated. Exploratory analyses are focused on exploring potential trends in the data, with results being a qualitative interpretation of the patterns observed. The statistical analyses are presented in Section 6.4.

6.3.1 COMPARING ROAD CROSSINGS WITH GROUP SIZE AND DISTANCE TO INFRASTRUCTURE

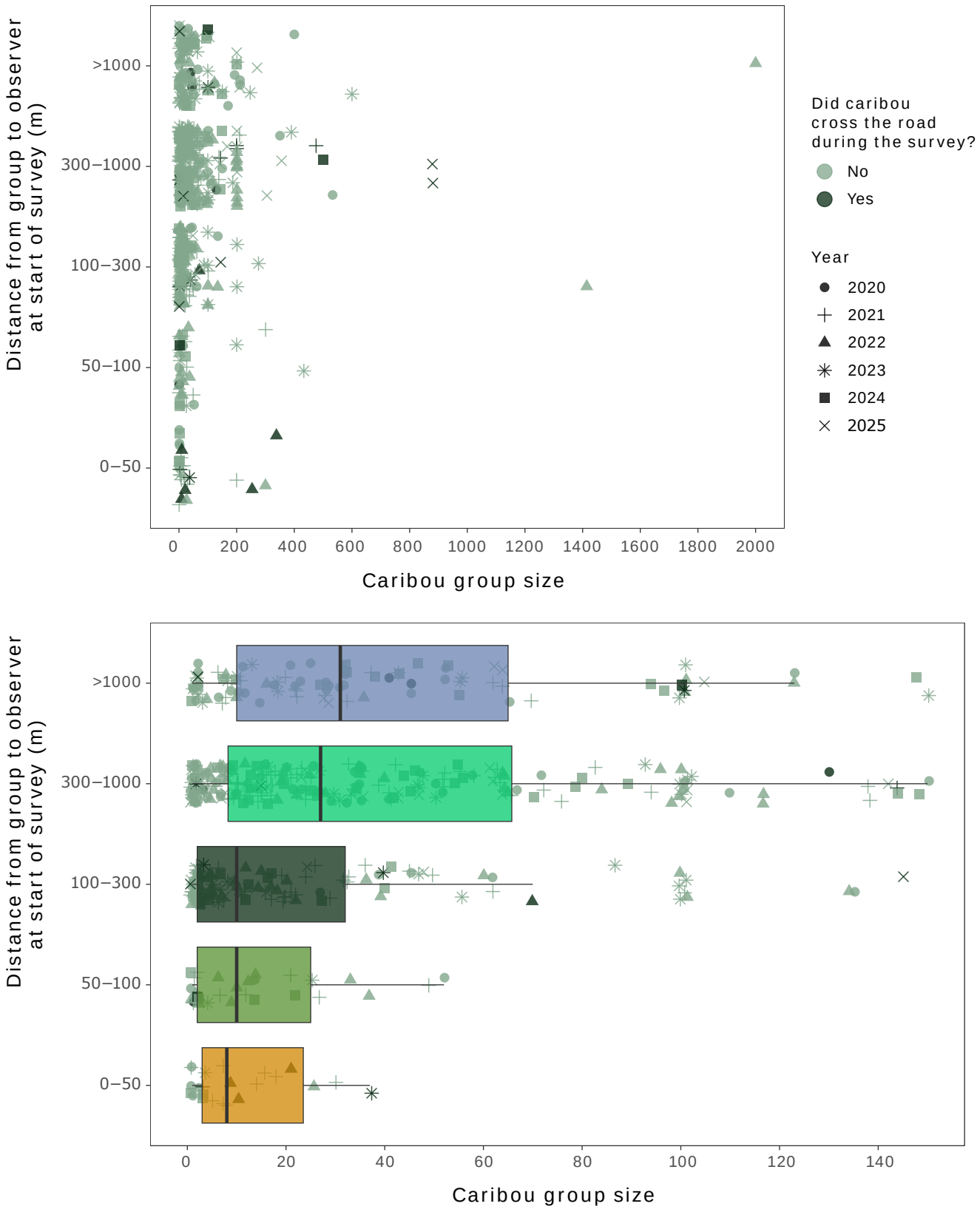
6.3.1.1 ROAD CROSSING

There is no clear relationship between caribou group size and road crossing observations. Across all years, crossings were mostly observed with groups totalling over 100 individuals, which made up 39% of observed crossings (12 observations; Figure 6.3-1; Appendix B). In contrast, groups of 51 to 100 individuals made up only 6% of the observed crossings (two observations; see Table 6.2-2; Figure 6.3-1). In addition, no clear relationship was found between the distance of caribou to the Road and the observation of road crossings. This indicates that caribou observed closer to the Road were not more likely to cross the Road than caribou occurring at further distances from the Road (Figure 6.3-1).

6.3.1.2 GROUP SIZE AND DISTANCE TO INFRASTRUCTURE

Compiled caribou group size data from 2020 to 2025 in relation to distance from the Road are outlined on Figure 6.3-1. From 2021 through 2025, efforts were made to increase the number of surveys containing large groups of caribou within 300 m of the Road. On average, groups of over 50 individuals continue to be observed further away from the road, compared to groups under 50 individuals. To date, 12 groups larger than 50 individuals were recorded within 100 m of the Road at the start of the survey: 2 in 2021, 3 in 2022, 2 in 2023, and 7 in 2025. Note that comparison of the number of caribou within different categorical distance bands is confounded with the range of each distance category (i.e., 0 to 300 m vs 300 to 1000 m). Regardless of the mechanism, this represents a potential source of error and was considered in the statistical analyses so that the results were not biased (see Section 6.4.1).

FIGURE 6.3-1 CARIBOU GROUP SIZE VERSUS DISTANCE FROM THE CARIBOU TO THE ROAD



CLIENT: Agnico Eagle Mines Limited
GRAPHICS NUMBER: AGN-26ERM-003:2

6.3.2 COMPARING BEHAVIOUR TYPE WITH GROUP SIZE AND DISTANCE TO INFRASTRUCTURE

In 2025, caribou behaviour was relatively consistent between group sizes (Figure 6.3-2a). The "feeding" behaviour was the most observed behaviour in all group sizes, and few response behaviours were observed in all group sizes.

Caribou observed more than 100 m from the Road at the beginning of the survey were most frequently recorded feeding. In all years (2020 to 2025), caribou observed within 100 m of the Road at the start of the survey exhibited varied behaviours, with no single behaviour being consistently dominant (Figure 6.3-2b). Similar to group size, no distance category had surveys with more than 10% of caribou displaying response behaviours.

The relationships between behaviour and group sizes or distances to the Road are examined in greater detail in the statistical analysis results in Section 6.4.

6.3.3 BEHAVIOUR TYPE AND ENVIRONMENTAL/TEMPORAL VARIABLES

To determine if environmental factors such as heat or high winds were influencing caribou behaviour, the proportion of response behaviours, environmental variables, and temporal variables were graphed (Figure 6.3-3).

No trend was evident in the relationship between wind speed and response behaviours. It appears that caribou response behaviours may increase slightly with temperature; however, sporadic and limited data in warmer temperatures may have influenced these data, since most surveys were completed at temperatures below 0°C. This suggests that neither wind speed nor temperature appear to have a notable effect on behaviour. It should be noted that surveyors typically did not travel on the road during extreme weather conditions and, therefore, variability in weather conditions was low. Exploration of the relationship between date and caribou behaviour revealed that date was not associated with caribou behaviour.

6.3.4 ROAD CLOSURE STATUS

It was hypothesized that response behaviour would occur at a higher rate when the Road was open as opposed to closed. Starting in 2021, surveyors completed surveys both when the Road was open and while it was closed. More surveys were conducted with the Road closed (305 surveys) compared to open (191 surveys; Figure 6.3-4) across all years. There was no noticeable difference in response behaviours shown by caribou while the Road was closed as opposed to when it was open. The level of response behaviour (averaged across all observations with and without disturbances) was low (less than [<] 10%), both when the Road was open and when it was closed (Figure 6.3-4).

On average, there was a higher proportion of individuals walking and lower proportion of individuals feeding when the Road was closed as opposed to when it was open. However, this may be due to closures occurring more often during peak migration times.

FIGURE 6.3-2 AVERAGE PROPORTION OF EACH BEHAVIOUR TYPE OBSERVED

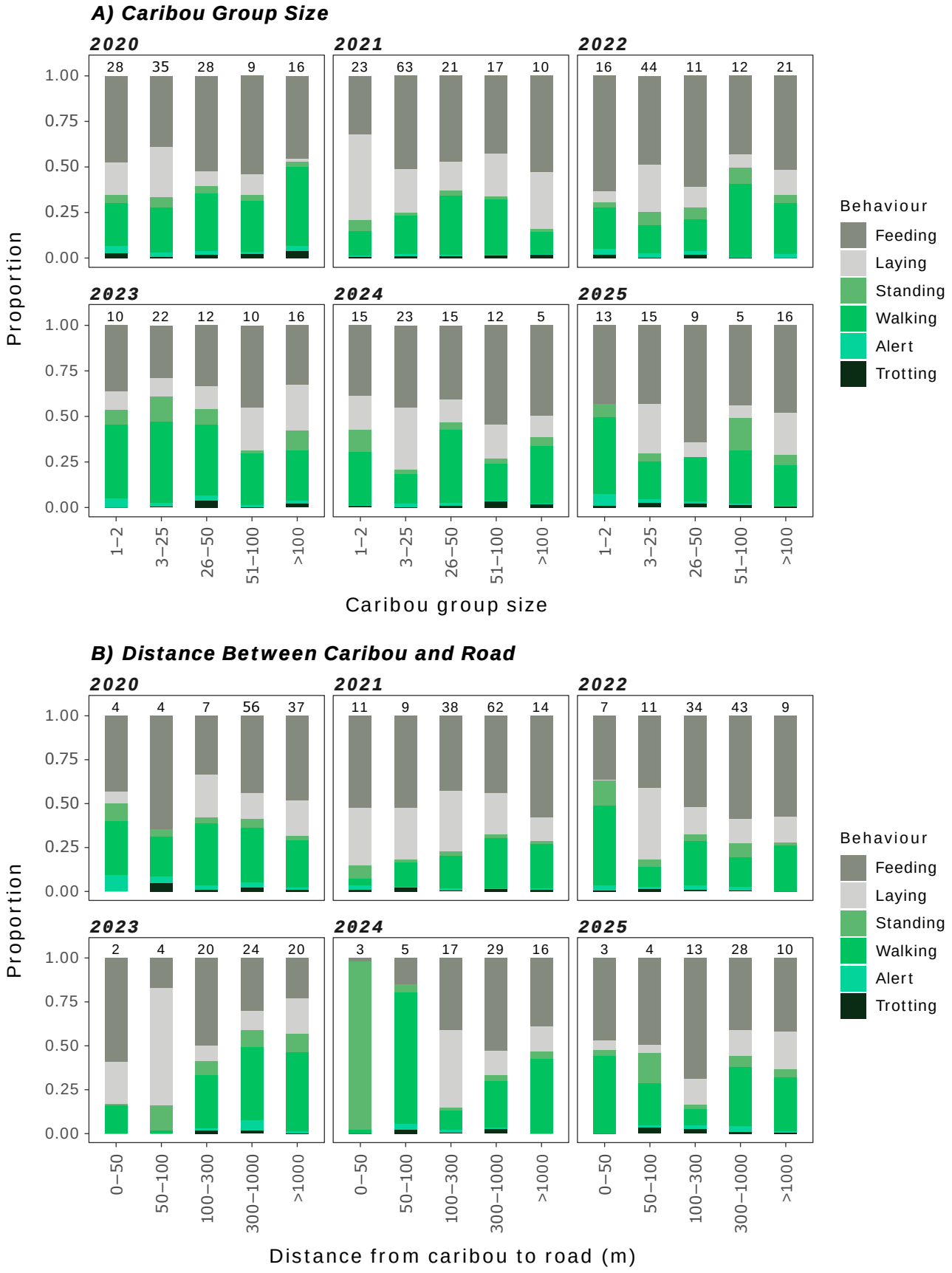


FIGURE 6.3-3 PROPORTION OF ALERT OR RUNNING CARIBOU BY TEMPERATURE, WIND SPEED AND DATE

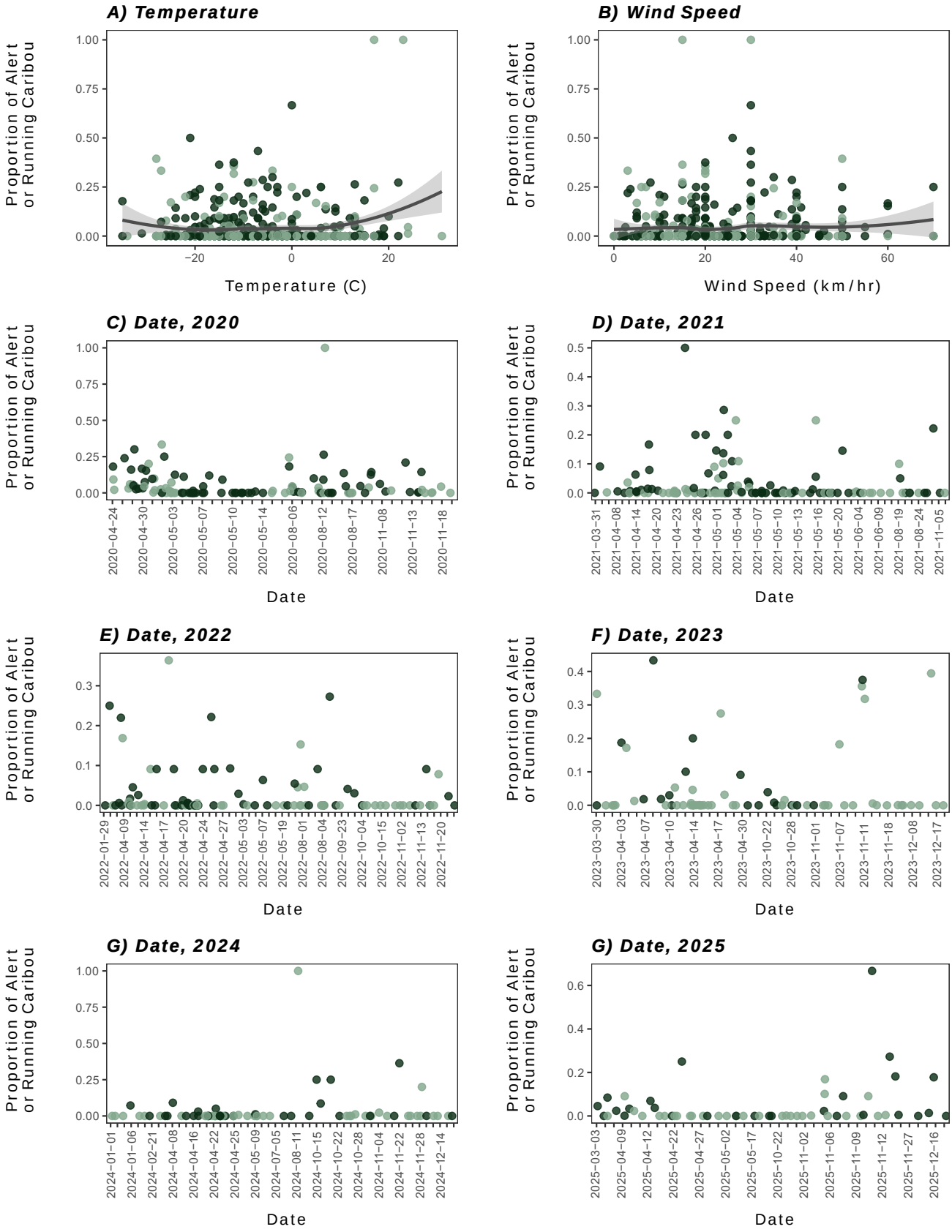
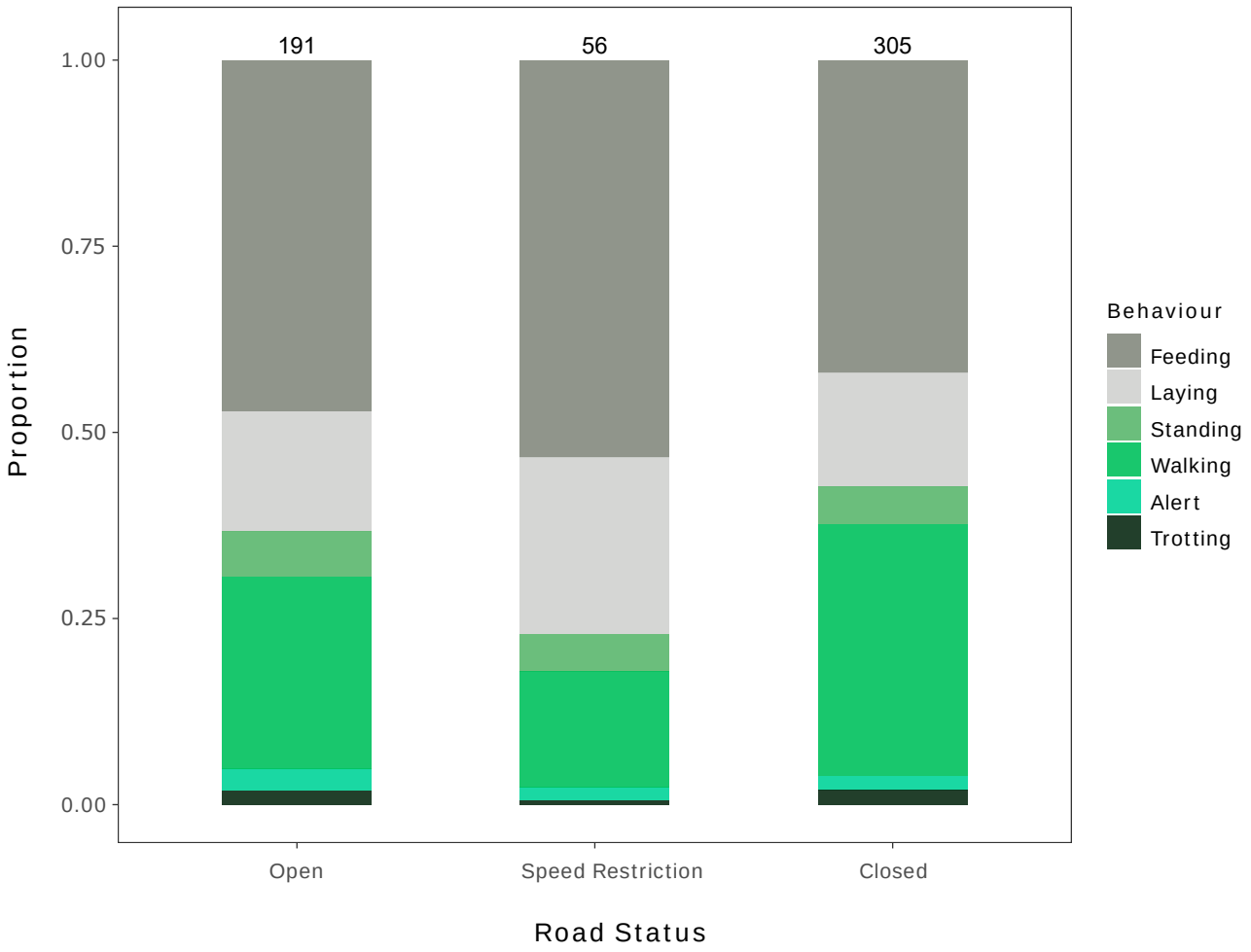


FIGURE 6.3-4 AVERAGE PROPORTION OF EACH BEHAVIOUR TYPE BY ROAD STATUS



Additionally, it should be noted that convoy surveys were included in the study (see Figure 6.3-4) and that these surveys always occurred while the road was closed. Convoy surveys, however, only accounted for 12% (37 from 2021 to 2025) of surveys completed during road closures and cannot entirely explain the differences depicted on Figure 6.3-4. This relationship is further explored in the statistical analysis results in Section 6.4.

6.3.5 SEASON AND SIDE OF THE ROAD (UPSTREAM/DOWNSTREAM)

The movement pattern for caribou in the area around the Complex is variable based on the season. During spring migration, the dominant direction of travel is from west to east, whereas in summer and during the fall migration, the dominant direction is from east to west. It was hypothesized that caribou behaviour may vary depending on whether the caribou had already crossed the road ("downstream" of the road) or whether they were anticipating crossing the road ("upstream" of the road). There does not appear to be observable differences in the proportion of response behaviour between upstream and downstream caribou groups. It does appear that the walking behaviour occurs at a higher rate on the upstream side of the road during spring and fall migration. These trends are further explored in the statistical analysis.

It is possible that caribou are hesitating to cross the Road but that once they cross the Road, they move away from the Road quickly. If this prediction is true, caribou would be observed close to the Road on the upstream side, and there would be fewer groups on the downstream side or downstream - side groups would be further from the Road, compared to the upstream groups. The results, however, show that groups of caribou were observed on both sides of the road (Figure 6.3-5). During the spring and fall migration, there was a greater number of groups on the upstream side of the road (west side in the spring and east side in the fall; Figure 6.3-5). The results suggest that caribou may tend to gather prior to crossing the road; however, this was not as evident as in the spring as in the fall. In comparison, during the summer, relatively equal numbers of caribou groups were observed on each side the road.

6.3.6 NUMBER OF DISTURBANCES

When larger proportions of individuals within a group responded to disturbance events, it took longer for the group as a whole to return to their baseline (pre-disturbance) behaviour when compared to groups with smaller proportions of responding individuals (Figure 6.3-6a). It appears that surveys with multiple disturbances did not consistently produce either a larger or longer response. Surveys with multiple disturbances varied from long-lasting full-group disturbances to shorter and partial -group responses.

The proportion of caribou displaying response behaviour when exposed to zero, one, or multiple disturbances is shown in the density plot on Figure 6.3-6b. The results suggest that the mean proportion of caribou displaying alert or running behaviour was low, with most observations recording no response even with multiple disturbances occurring during the survey. Additionally, there was no difference in the proportion of caribou displaying response behaviours between those not exposed to, exposed to a single, or exposed to multiple disturbances. Figure 6.3-6b shows an average proportion of response behaviours across the entire 30-minute survey; therefore, in some instances, the proportion of response behaviours may have been obscured by the large number of intervals with no response behaviour.

FIGURE 6.3-5 AVERAGE PROPORTION OF EACH BEHAVIOUR TYPE OBSERVED ON EAST AND WEST SIDE OF THE ROAD

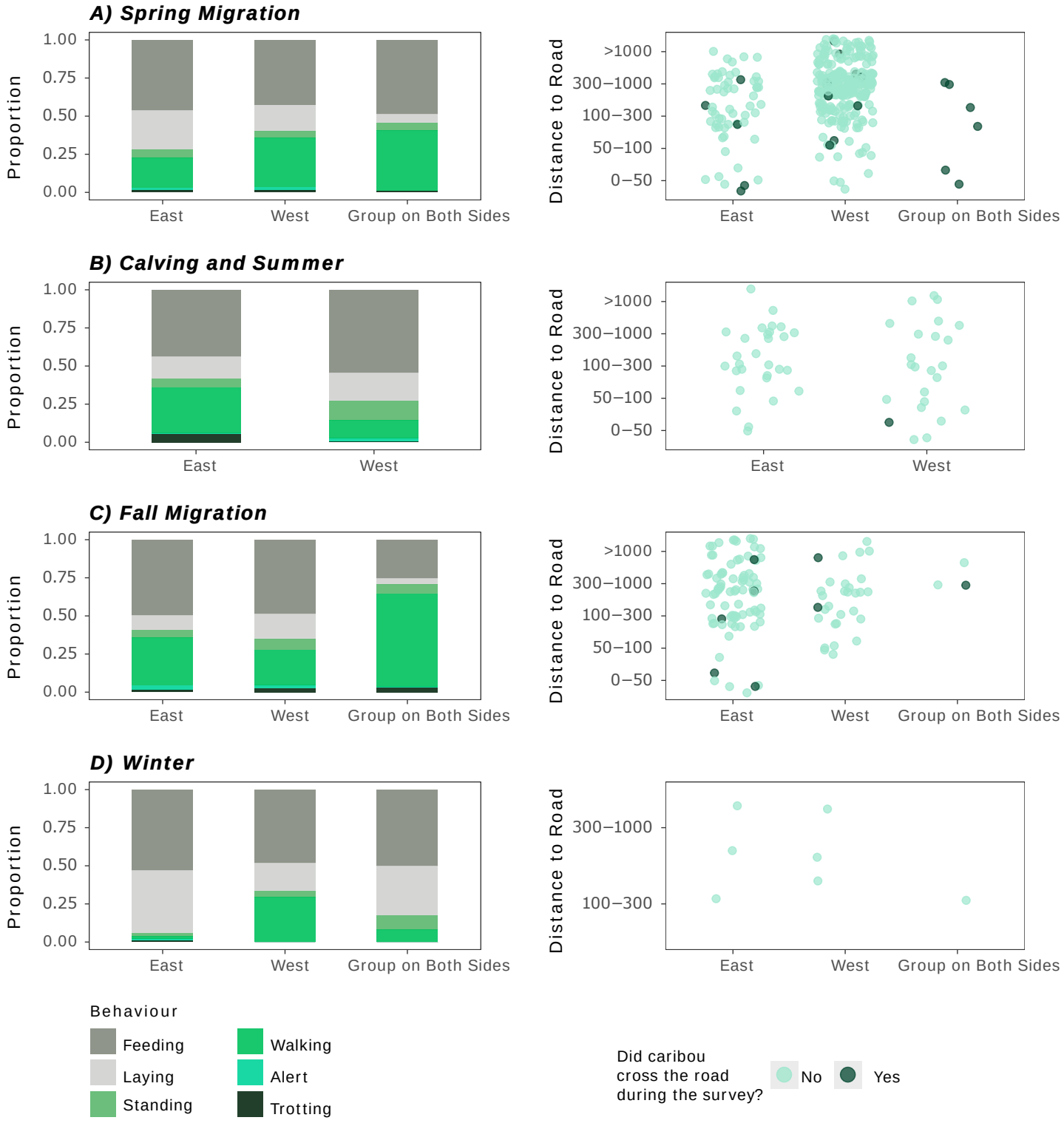
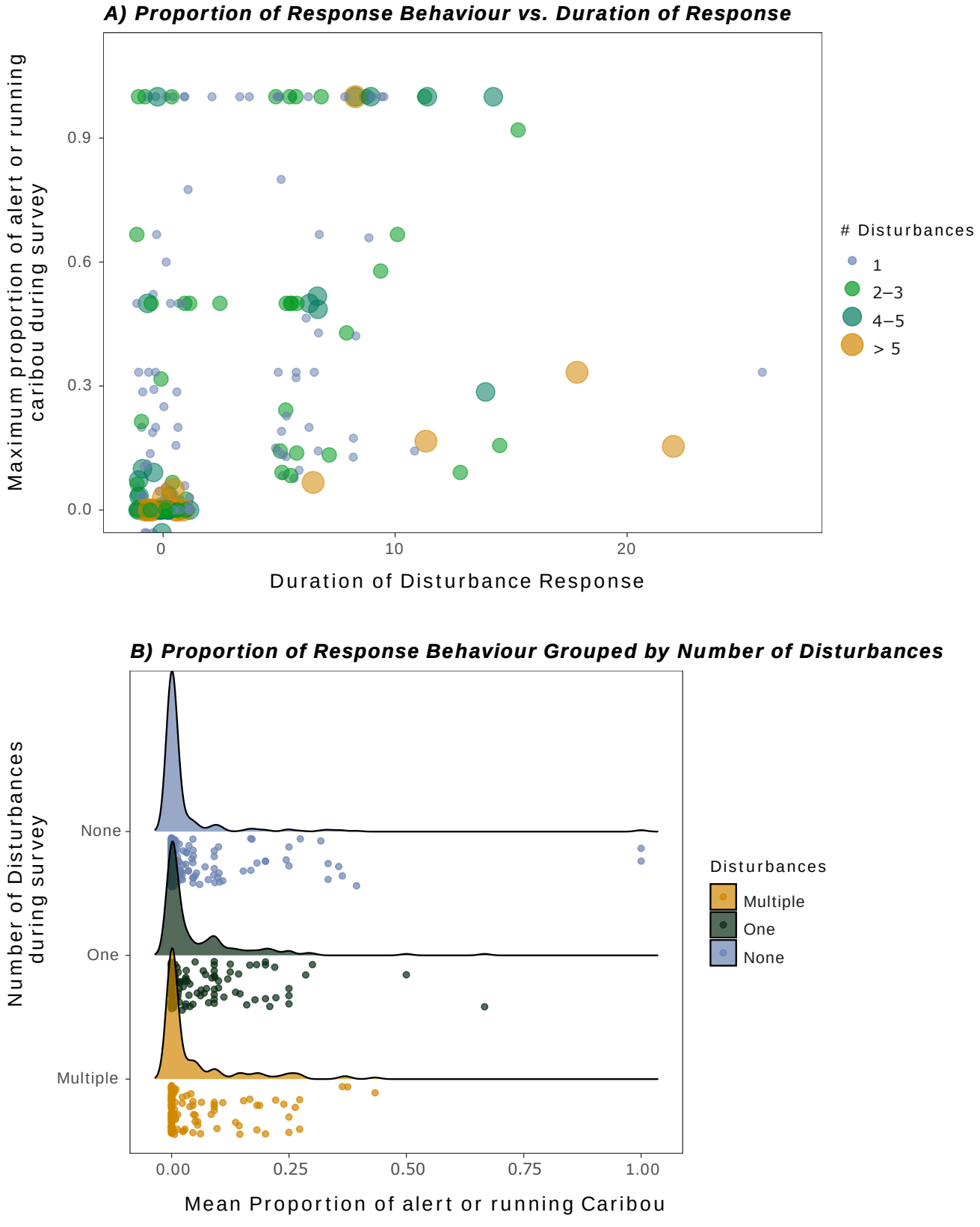


FIGURE 6.3-6 COMPARISON OF RESPONSE BEHAVIOURS BY NUMBER OF DISTURBANCES



6.3.7 RESPONSE TO DISTURBANCES

Although summarizing caribou behaviour survey data over the entire 30-minute survey allows for broad comparisons to be made, it may also allow for response behaviour to be obscured in an otherwise uneventful survey. To examine the response to disturbances within a survey, the proportion of response behaviours was plotted per 3-minute interval in each survey, as shown for a subset of surveys on Figure 6.3-7 (see Appendix E for all plots of all surveys). On Figure 6.3-7, the response behaviours of "alert" and "trotting or running" are combined to depict the total proportion of caribou exhibiting behaviour responses in any given time interval and plotted over time within the 30-minute survey. Disturbance events are denoted by a grey vertical bar, and spikes in response behaviours during or immediately following a disturbance suggest caribou are responding to the disturbance. Figure 6.3-7 suggests that when the road is open, caribou typically exhibited minimal response to disturbance, with alert or running behaviours occurring infrequently and, when present, limited to short lived spikes with rapid return to baseline behaviour.

6.3.8 DIRECTION OF CARIBOU TRAVEL

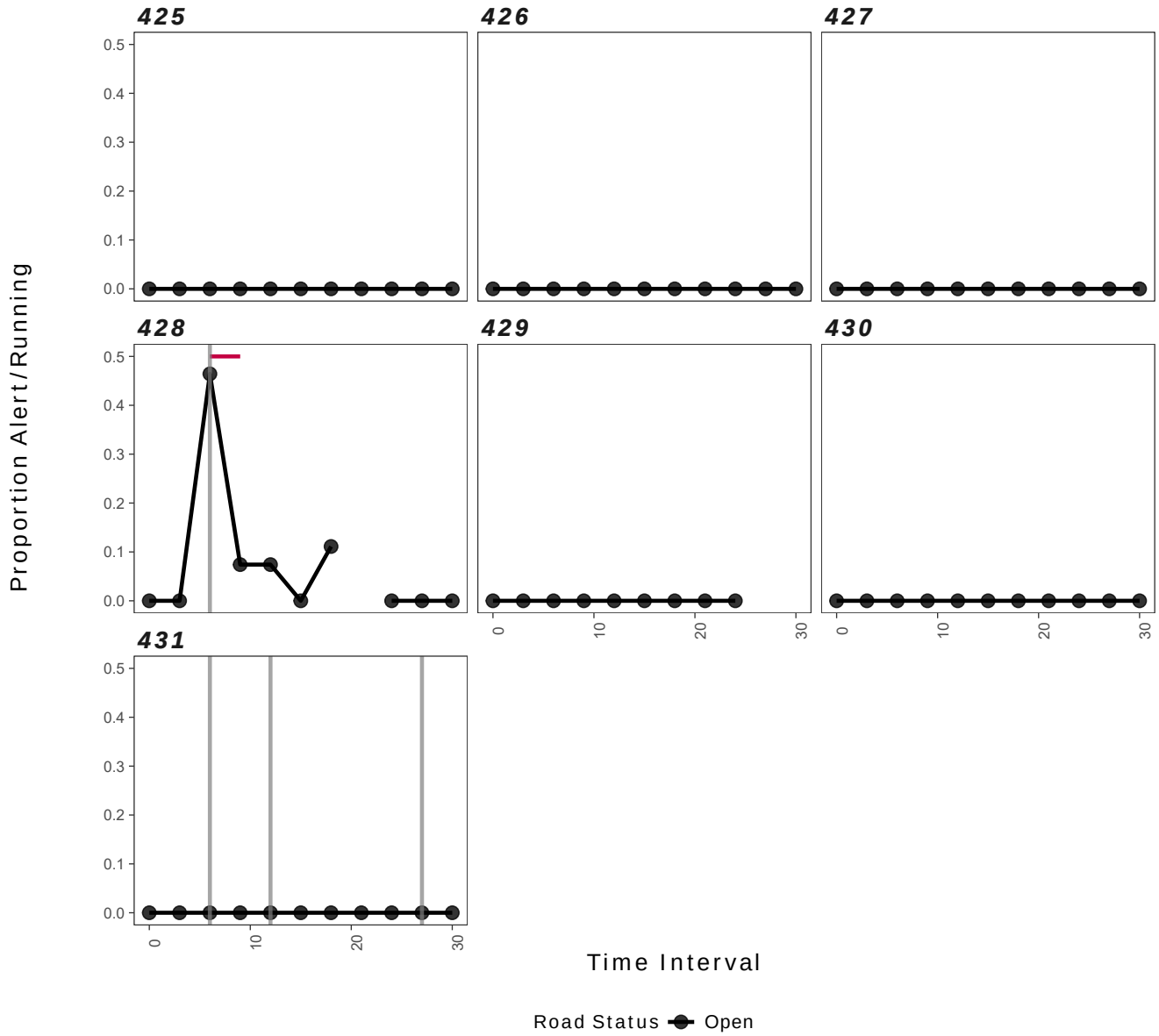
In response to the 2021 caribou behaviour analysis, the TAG suggested incorporating the direction caribou travelled in relation to the Road (i.e., if caribou were walking parallel or perpendicular to the Road). This is of particular interest as walking parallel to a perceived potential threat is a known response behaviour in some cervid species. Including this variable in combination with whether caribou were upstream or downstream of the dominant direction of travel was suggested to help determine if caribou were walking in response to a disturbance or not. In response to this suggestion, a field for direction of travel was added for the 2022 survey season. Note that this suggestion was made after spring migration in 2022, so data are only available for surveys in summer and fall of 2022, resulting in 41 entries for direction of travel in 2022, and all survey entries annually in 2023, 2024, and 2025 (198 surveys in total). Figure 6.3-8 shows boxplots of the mean and distribution of travel direction travel observed during each survey in relation to the side of the road and whether a disturbance occurred during the survey.

In 2025, caribou were most frequently observed stationary (40%; 23 groups), followed by moving parallel (36%; 21 groups), and perpendicular (24%; 14 groups) to the Road (Appendix D). This pattern is consistent with observations from 2022 to 2024 (Appendix D). Across all years (2022 to 2025), stationary behaviour was also most common (40%; 95 groups). When moving, caribou were more often recorded moving parallel to the Road (34%; 81 groups) than perpendicular (18%; 44 groups).

6.3.9 CONVOY DURATION AND SIZE

In response to the 2023 caribou behaviour analysis, the TAG suggested incorporating the number of vehicles in convoys and the duration of these conveys driving through while the Road is closed. This is of interest, as longer lasting disturbances or convoys with a larger number of vehicles may influence the caribou's response to the disturbance. As a result, convoy size data was collected in 2025, though timing of each convoy proved difficult due to logistical constraints. All convoys that were surveyed (n = 9) in 2025 are recorded in Table 6.3-1. Convoy variables, including convoy size and duration (where able to be collected), will be included in future analyses when increased data points are available to allow for sufficient modelling.

FIGURE 6.3-7 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY—EXAMPLE SUBSET



Note: See Appendix C for all surveys from 2020 - 2025.

FIGURE 6.3-8 AVERAGE PROPORTION OF WALKING CARIBOU BY DIRECTION, SIDE OF THE ROAD, AND DISTURBANCES

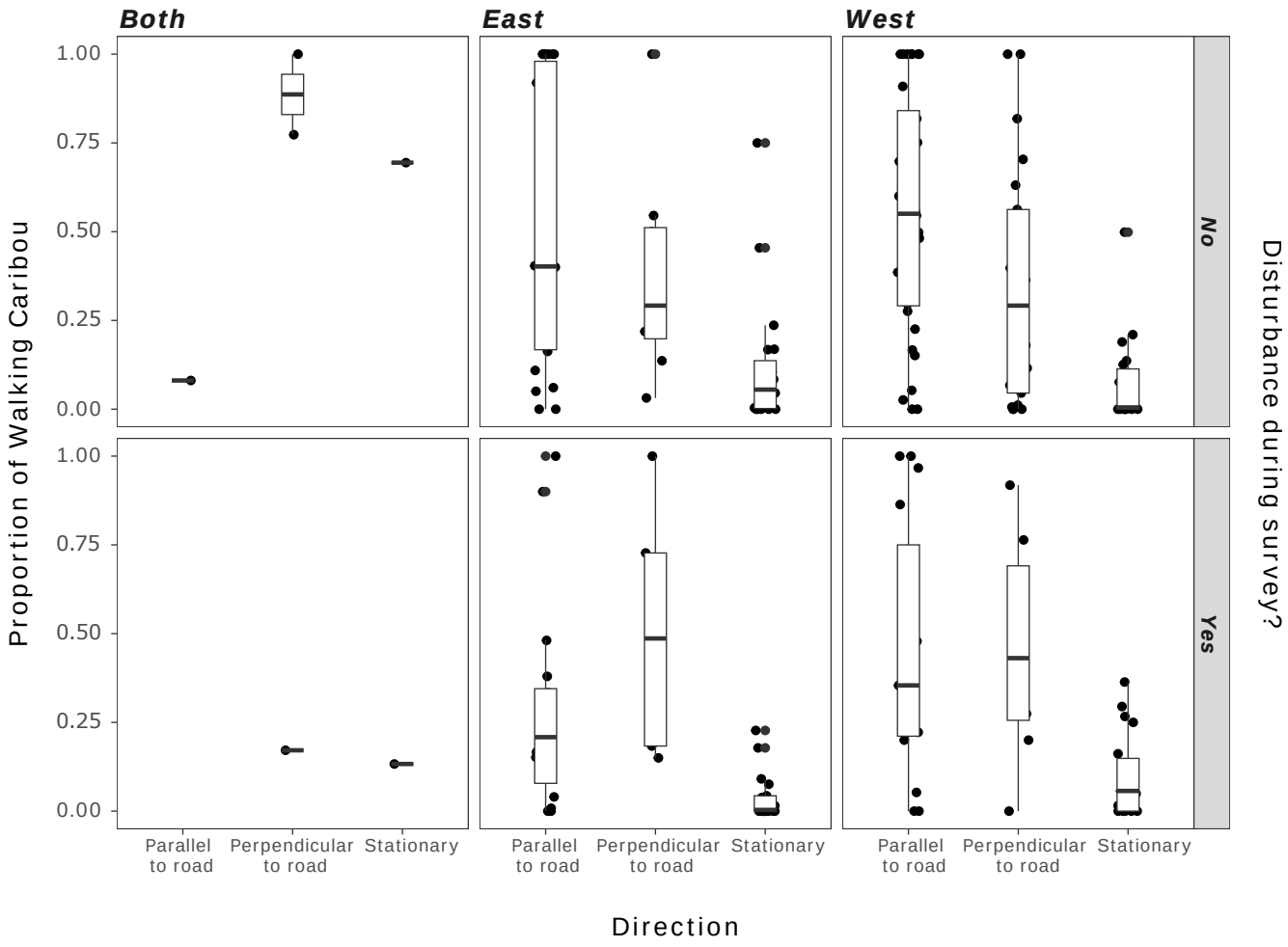


TABLE 6.3-1 VEHICLE COMPOSITION OF CONVOYS SURVEYED IN 2025

Date	Road	Direction of Travel	Light	Medium	Heavy	Total
AWAR						
22 Apr 2025	AWAR	North	3	0	0	3
27 Nov 2025	AWAR	North	3	0	0	3
WTHR						
12 Apr 2025	WTHR	South	3	1	0	4
14 Apr 2025	WTHR	South	4	1	0	5
28 Apr 2025	WTHR	North	4	0	0	4
6 May 2025	WTHR	South	4	7	0	11
31 Oct 2025	WTHR	North	-	-	-	-
15 Dec 2025	WTHR	North	4	1	0	5
16 Dec 2025	WTHR	North	4	0	0	4

Notes:
AWAR = All-Weather Access Road; WTHR = Whale Tail Haul Road; - represents data not available for this survey

6.4 STATISTICAL ANALYSIS RESULTS

6.4.1 MODEL FORMULATION

Initial results for the response behaviour model indicates that the distance of caribou to the Road was not a good predictor for response behaviour, regardless of how models were parameterized. Therefore, further models did not include this variable. The final models had many parameters, and it was difficult to attain model convergence. As a result, model variables that had little or no explanatory power and were not variables of interest were excluded from the models. The final model for proportion of response contained caribou group size, whether a disturbance occurred, and temperature. The final walking behaviour included caribou group size, whether a disturbance occurred, Road status, and the interaction between season and side of Road.

The 2025 response-behaviour model excluded the Road closure, season, and side-of-road covariates, because these variables did not show meaningful predictive ability for explaining variation in response duration. These variables were retained in the 2024 analysis to compare to the 2023 dataset; however, variables that no longer contributed substantively to model performance or interpretability were removed from the final 2025 model specification. The final model that used response behaviour as the dependent variable is presented in Table 6.4-1, the model that used walking behaviour as the dependent variable is displayed in Table 6.4-2, and the model that used duration of response as the dependent variable in Table 6.4-3.

TABLE 6.4-1 SUMMARY OF MODEL COEFFICIENTS AND SIGNIFICANCE LEVELS FOR THE RESPONSE BEHAVIOUR MODEL

Effect Type	Variable	Estimate	Standard Error	*p*-value	Significance
Fixed	Intercept	0.002	0.001		
	Caribou group size			<0.001	***
	1–2	Reference	Reference		
	3–25	0.081	0.041		
	26–50	0.04	0.023		
	51–100	0.011	0.007		
	>100	0.014	0.008		
	Disturbance during interval	7.103	0.34	<0.001	***
	Temperature	1.032	0.016	0.04	**
Random	Survey ID	3.261			

Notes:
> = greater than; < = smaller than; *p*-value = probability value
Highly statistically significant *p*-values <0.001 are indicated with two asterisks. Statistically significant values <0.05 and >0.001 are indicated by a single asterisk. Grey shaded cells indicate values that are not applicable or not estimated.

TABLE 6.4-2 SUMMARY OF MODEL COEFFICIENTS AND SIGNIFICANCE LEVELS FOR THE RESPONSE AND WALKING BEHAVIOUR MODEL

Effect Type	Variable	Estimate	Standard Error	*p*-value	Significance
Fixed	Intercept	0.759	0.574		
	Caribou group size			<0.001	***
	1–2	Reference	Reference		
	3–25	0.058	0.028		
	26–50	0.029	0.017		
	51–100	0.015	0.009		
	>100	0.004	0.003		
	Disturbance during interval	1.668	0.053	<0.001	***
	Road status (open)	0.378	0.134	0.007	***
	Season			–	–
	Summer and calving	Reference	Reference		
	Fall migration	1.261	0.952		

Effect Type	Variable	Estimate	Standard Error	*p*-value	Significance
	Spring migration	0.196	0.16		
Fixed *(cont'd)*	Winter	0.101	0.244		
	Side of road			-	-
	East	Reference	Reference		
	West	0.106	0.105		
	Interaction (summer and calving × west)	Reference	Reference	0.004	**
	Interaction (spring migration × west)	54.017	62.753		
	Interaction (fall migration × west)	4.746	5.821		
	Interaction (winter × west)	7.989	24.161		
Random	SD for random effect	3.303			

Notes:
< = smaller than; *p*-value = probability value; Road = All-Weather Access Road and Whale Tail Haul Road; SD = standard deviation
Highly statistically significant *p*-values <0.001 are indicated with three asterisks. Statistically significant values <0.05 and >0.001 are indicated by a single asterisk. No data values are indicated by a dash (–). Grey shaded cells indicate values that are not applicable or not estimated.

TABLE 6.4-3 SUMMARY OF MODEL COEFFICIENTS AND SIGNIFICANCE LEVELS FOR DURATION OF RESPONSE MODEL

Variable	Hazard Ratio	95% Confidence Interval	*p*-value	Significance
Number of Disturbances[a]	0.91	0.84–0.99	0.018	***
Caribou Group Size			0.181	**
Caribou Group Size 1–2	Reference	Reference		
Caribou Group Size 3–25	0.77	0.56-1.07		
Caribou Group Size 26–50	0.72	0.48-1.09		
Caribou Group Size 51–100	0.78	0.48-1.24		
Caribou Group Size >100	0.60	0.39-0.91		

Notes:
> = greater than; % = percent; < = smaller than; *p*-value = probability value
Highly statistically significant *p*-values <0.001 are indicated with three asterisks. Statistically significant values <0.05 and >0.001 are indicated by a single asterisk. Grey shaded cells indicate values that are not applicable or not estimated.
[a] Number of 3-minute intervals during which a disturbance occurred. The same source of disturbance may occur over several intervals.

The statistics presented in Tables 6.4-1 and 6.4-2 include the type of term in the model (fixed versus random effects) and the variable estimate (odds ratio), which can be interpreted as the expected effect on the dependent variable as the independent variable changes. Significant probability values (*p*-values; <0.05) for variables with more than two categories were followed up with pairwise post-hoc tests to determine which groups were different. A *p*-value of less than 0.05 indicates that the variable is an important determinant of the response, as it indicates that there was a less than 5% probability that we would see an association as strong as we would if there was no relationship.

6.4.2 EFFECT OF DISTURBANCES

Both the response model and walking model indicate that whether a disturbance occurred during an interval was a significant predictor of the proportion of animals that exhibited a response behaviour (response behaviour model estimate = 7.103; walking model estimate = 1.668; both p <0.001). In the model for response behaviour alone, the odds ratio is 7.1, which indicates that the odds of whether a response behaviour will occur in intervals containing a disturbance—averaged across group size and temperature—are 7.1 times higher than intervals without a disturbance (see Table 6.4-1). In the model where walking behaviour was included, there is an odds ratio of 1.67, which indicates that the odds are 1.67 times higher that this behaviour will be exhibited in intervals where a disturbance has occurred (see Table 6.4-2). This indicates that walking may be less associated with disturbance than the other response behaviours.

6.4.3 EFFECT OF GROUP SIZE

The model in Table 6.2-1 indicates that caribou group size was significantly associated with the proportion of caribou exhibiting response behaviour. Post-hoc pairwise test results are provided on Figures 6.4-1 and 6.4-2: the shaded grey bars indicate the 95% confidence intervals around the estimates of the average proportion of caribou exhibiting response behaviour, the points indicate the means (averaged over whether a disturbance occurred), and the green arrows indicate the pairwise comparisons among groups. The areas where these arrows do not overlap, indicate a significantly different response between the groups.

For the response behaviour model, the smallest group size (one to two individuals) had the largest proportion of response behaviour to disturbances, showing a higher likelihood of responding to a disturbance (Figure 6.4-1). Increasing group size had smaller estimated effects, indicating that the likelihood of responding generally decreased as group size increased.

All other pairwise comparisons were not significant. Similar to the response model, the smaller group sizes had the largest proportion of response and walking behaviour in the walking model, and the estimated effects became smaller as group size increased (see Table 6.4-2; Figure 6.4-2). The proportion of response and walking behaviour continued to decrease as the group size increased.

FIGURE 6.4-1 PAIRWISE COMPARISONS OF AVERAGE PROPORTION OF CARIBOU EXHIBITING RESPONSE BEHAVIOUR AMONG CATEGORIES OF CARIBOU GROUP SIZE

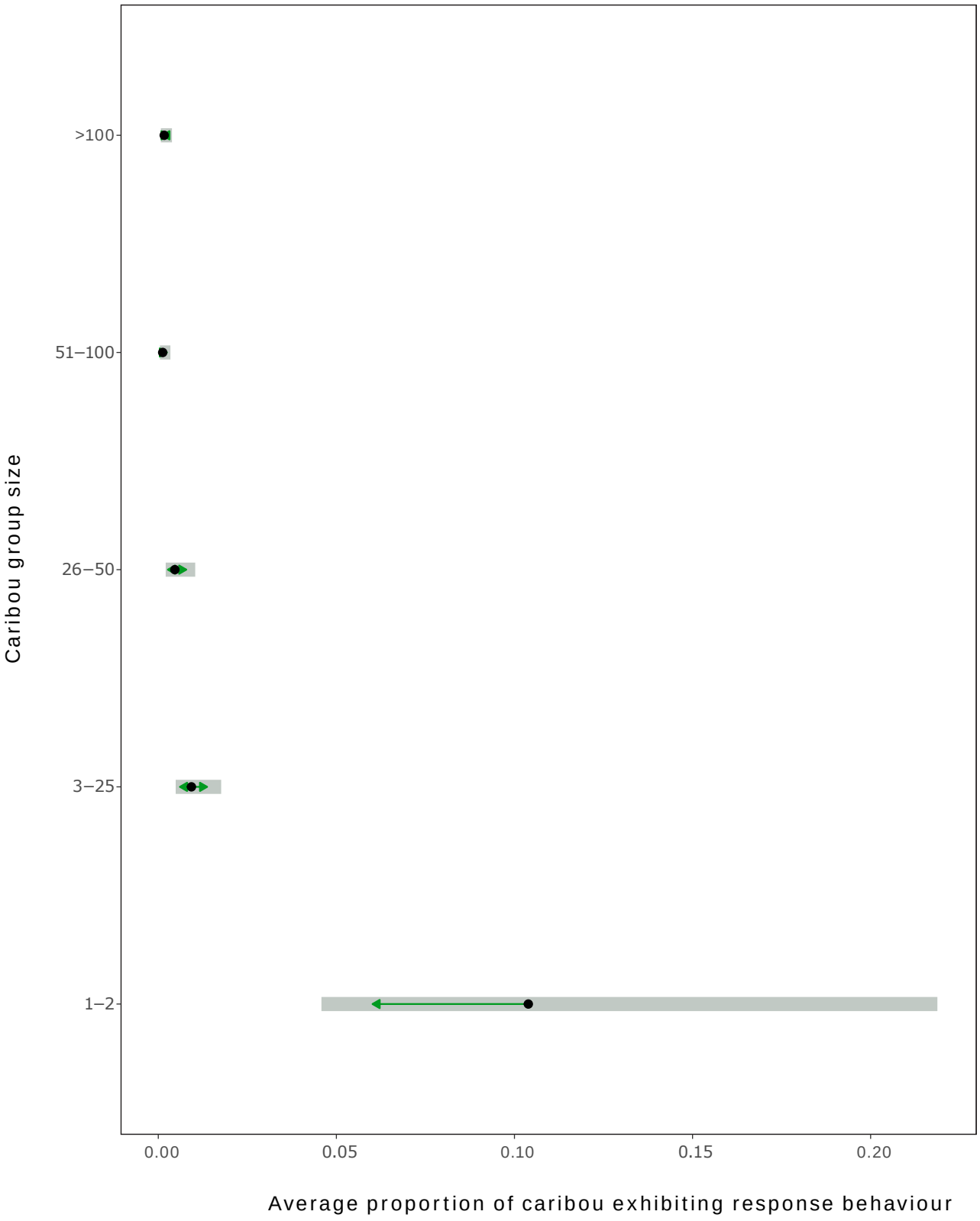
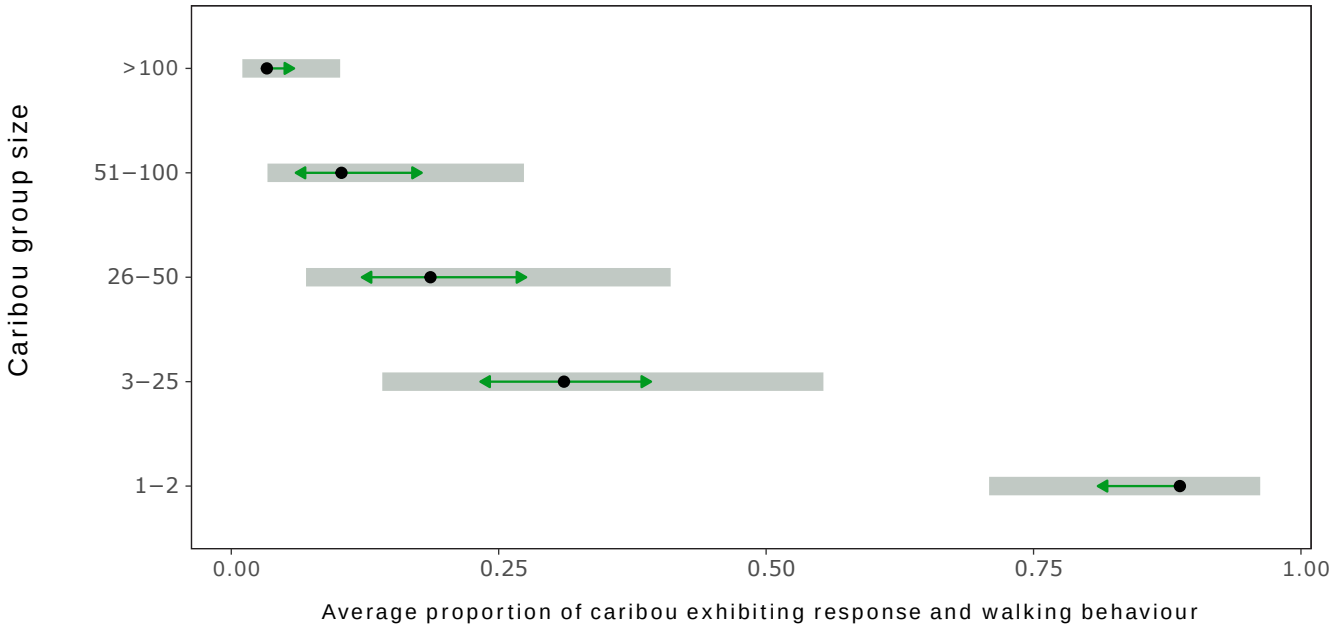
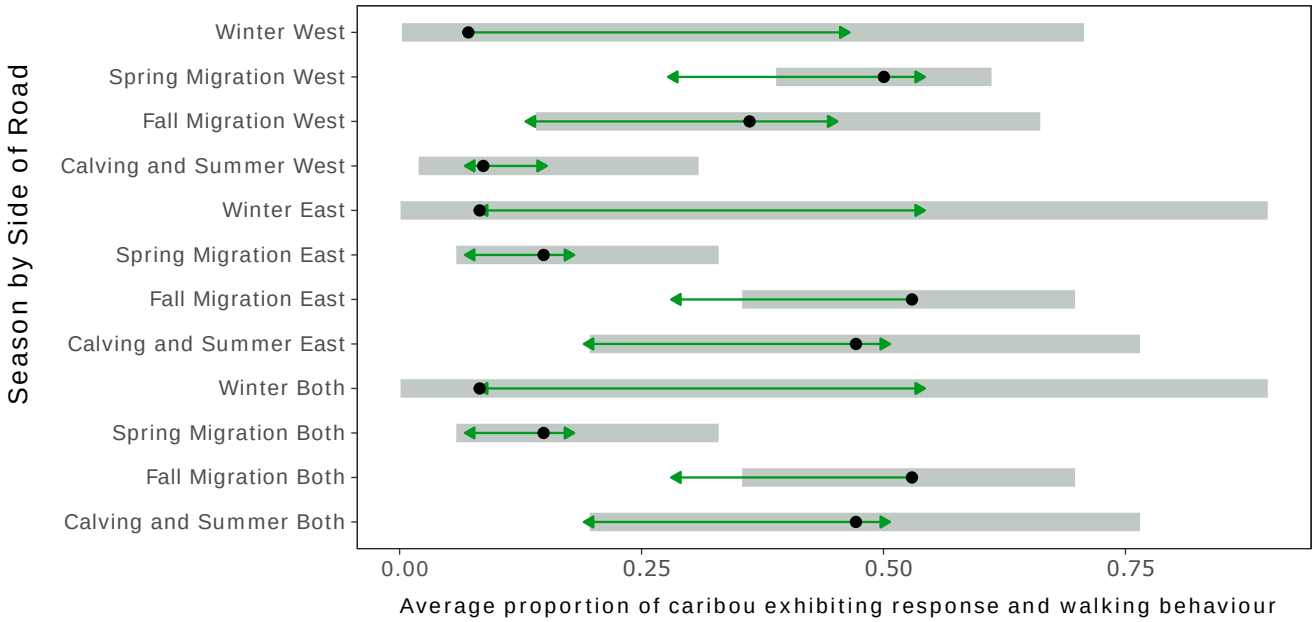


FIGURE 6.4-2 PAIRWISE COMPARISONS OF AVERAGE PROPORTION OF CARIBOU EXHIBITING RESPONSE AND WALKING BEHAVIOUR AMONG CATEGORIES OF CARIBOU GROUP SIZE AND ROAD STATUS





6.4.4 EFFECT OF ROAD CLOSURE STATUS

Road closure was a significant predictor in the walking model, where response and walking behaviours were combined (see Table 6.4-2). In the walking model, the proportion of caribou showing a walking or response behaviour was higher when the Road was closed (p = 0.007). However, exploratory analysis suggests that caribou responded similarly to disturbances regardless of whether the Road was open or closed (see Figure 6.3-4). This may be because the analysis included convoy surveys, which occurred during Road closures and had the potential to bias the results. Typically, there are fewer disturbances during Road closures, which may also reflect the timing of closures coinciding with periods when caribou are most abundant in the area, such as during migration, as indicated by walking behaviour.

As mentioned in Section 6.4-1, statistical testing indicated that road status did not meaningfully improve the response behaviour model and was removed during model selection because it was not a strong predictor of overall response behaviour.

6.4.5 EFFECT OF SEASON AND SIDE OF THE ROAD (UPSTREAM/DOWNSTREAM)

Season and side of the Road variables were significant in the walking model, but were not included in the final response behaviour model following model selection (see Table 6.4-2). Walking model results indicate that during spring migration, caribou are walking less on the east side of the Road compared to the west side of the Road (pairwise post-hoc p-value = 0.004). Since the west side is upstream of the typical direction of movement in the spring, and downstream in the fall, another way to interpret this result is that caribou tend to walk more on the upstream side of the Road during the spring migration.

Pairwise comparisons found that the average proportion of caribou exhibiting response and walking behaviour was significantly higher on the upstream (west) side of the Road during spring migration (see Figure 6.4-2b). In contrast, during the summer calving period, the average proportion of caribou exhibiting response and walking behaviour was significantly higher on the upstream (east) side of the Road compared to the downstream side of the road in the same season (see Figure 6.4-2b). The pairwise analysis indicated that there was no significant difference in proportion between the upstream (east) side and downstream (east) side during fall migration. This difference in walking behaviour during fall may also be attributed to increased movement during caribou migration periods.

6.4.6 EFFECT OF TEMPERATURE

The final response model indicated that temperature is a small but statistically significant predictor of the proportion of caribou showing response behaviour (estimate = 1.032; p = 0.04; see Table 6.4-2). This result indicates that warmer temperatures were associated with a slightly higher likelihood that caribou would show any form of behavioural response. Exploratory figures show that the proportion of caribou showing response behaviour remains consistent until approximately 10°C, at which point it increases (see Figure 6.3-3a). Increase in caribou response behaviour above 10°C may be driven by two groups displaying 100% response behaviour at approximately 20°C. It should be noted that this increased response may also be related to increased insect activity, which causes caribou to move at a higher rate to avoid insects (Mörschel and Klein 1997).

6.4.7 DURATION OF RESPONSE

Table 6.3-4 provides the model summary for the duration of response model. The median number of survey intervals with a disturbance was 0, with a mean of 1, and a maximum of 9. The final model included the number of disturbances that occurred during the survey and the group size. The estimated term (the hazard ratio) for the number of disturbances being less than one indicates a longer duration of response for increasing numbers of disturbances. The model also indicates that larger groups of animals took significantly longer to return to normal, compared to the smallest group size (one to two animals).

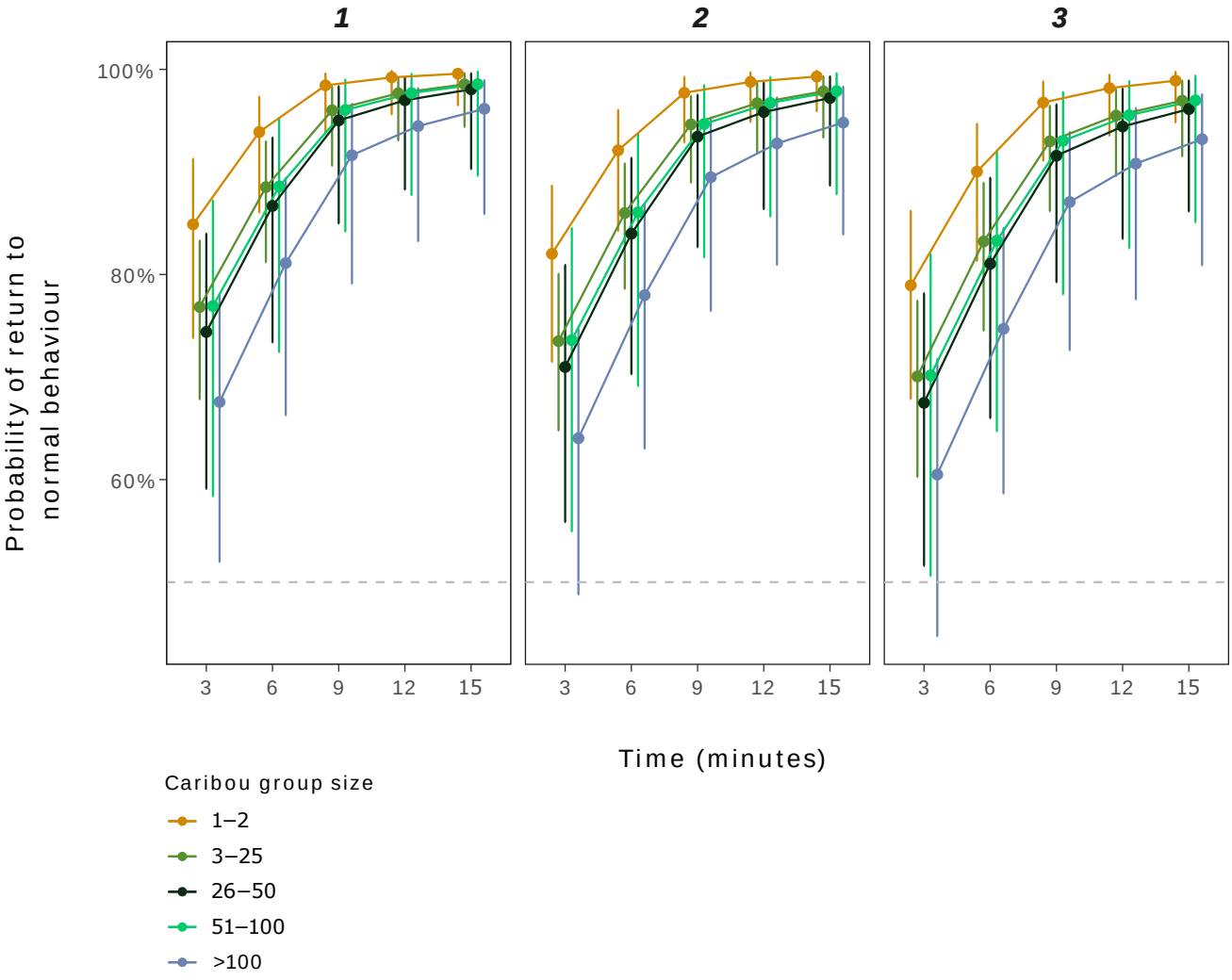
Cox's proportional hazards modelling using all 5 years of data indicates that following a single disturbance event, the probability of returning to normal behaviour within 6 minutes is 90% and 99% after 15 minutes (Table 6.4-4). The probability of returning to baseline behaviour within 6 minutes is lower for groups larger than 100 individuals, and in surveys with more than one disturbance—83% for intervals with 2 to 3 disturbances and 49% for groups with >100 individuals (Table 6.4-4; Figure 6.4-3).

TABLE 6.4-4 PROBABILITY OF RETURNING TO NORMAL BEHAVIOUR WITHIN A CERTAIN TIME BY GROUP SIZE AND NUMBER OF DISTURBANCES

Variable	Time to Return to Normal Behaviour			
	3 Minutes	6 Minutes	9 Minutes	15 Minutes
Caribou Group Size				
1–2	82% (70%, 90%)	87% (75%, 93%)	98% (87%, 100%)	-
3–25	76% (66%, 83%)	86% (78%, 91%)	91% (82%, 95%)	97% (89%, 99%)
26–50	65% (46%, 77%)	86% (69%, 94%)	97% (81%, 100%)	97% (81%, 100%)
51–100	73% (49%, 86%)	92% (71%, 98%)	96% (74%, 99%)	-
>100	64% (45%, 76%)	79% (62%, 89%)	90% (72%, 96%)	93% (75%, 98%)
Number of Survey Intervals with a Disturbance				
1	75% (67%, 81%)	90% (83%, 94%)	98% (93%, 100%)	99% (94%, 100%)
2–3	74% (62%, 82%)	83% (73%, 90%)	92% (81%, 96%)	97% (83%, 99%)
>3	70% (52%, 81%)	79% (63%, 88%)	86% (71%, 93%)	93% (79%, 98%)

Notes:
> = greater than; % = percent
Numbers represent the estimated proportion of groups returning to baseline behaviour within the time interval and the 95% confidence intervals.

FIGURE 6.4-3 CUMULATIVE PROBABILITY OF RETURN TO NORMAL BEHAVIOUR BY GROUP SIZE AND NUMBER OF DISTURBANCES



6.4.8 STATISTICAL ANALYSIS SUMMARY

The results of the statistical analysis provide support for the key hypothesis that caribou tend to respond to disturbances; however, they also indicate that distance to the Road was not a significant predictor of response. The proportion of caribou responding was linked to disturbance occurring within an interval for both walking and response behaviours, with caribou significantly more likely to be walking on the upstream side of the Road. The results indicate that the walking behaviour should not be excluded from the analysis, as the inclusion of a separate model including walking behaviour allows for the detection of trends that are not apparent with the response behaviour-only model.

These results should be interpreted with caution due to the high number of variables and the variability in the behaviours observed. Nevertheless, it should be noted that the results from this analysis are highly similar to results from previous years, indicating that the effects remain stable from year to year. These results are also consistent with other surveys recorded on barren-ground caribou during the post-calving and early summer periods, which indicate that caribou behavioural responses to all-season haul roads tend to taper off beyond approximately 500 m (Curatolo and Murphy 1986; Dyer et al. 2001; Johnson and Lawhead 1989). However, zone-of-influence estimates are highly variable in the literature, and this method of data collection is not designed to estimate the zone of influence, particularly given the observability bias noted in Section 6.3-1. In addition, caribou responses to roads and infrastructure have previously been linked to increased harvest of caribou from roadways (Plante et al. 2018; Russell and Gunn 2019), a factor which was not included in this analysis.

7. SUMMARY

The caribou behaviour monitoring data collected in 2025 were combined with previous survey data (2020 to 2024) to determine factors that impact caribou behaviour near the Complex and to document caribou response to stressors. All results outlined in this report use all 6 years of data, unless otherwise stated.

The number of surveys completed in 2025 was lower than in 2024 (58 surveys completed in 2025 and 70 surveys completed in 2024), with surveys consistently completed when caribou were in the mine area around the Complex. Caribou were not present for surveys to be completed in all seasons of 2025, with no surveys being completed in the summer season. No notable deficiencies were noted in terms of the survey effort in 2025. Furthermore, 2025 surveys were well distributed across variables of interest, including group size, presence of disturbances, season, and road condition. Groups of caribou were observed on both the east and west sides of the road in all seasons surveyed, but groups were more commonly observed on the west side during spring migration and on the east side during fall migration (i.e., upstream of the dominant direction of travel). This finding is consistent with previous years' results.

In 2025, caribou predominantly exhibited non-response behaviours during surveys; these were standing, laying, feeding, and walking. Across all 6 years of data, 49% of surveys contained a disturbance event. Following a disturbance event, the proportion of response behaviours in a group of caribou was significantly higher. Groups generally returned to baseline behaviours within 6 minutes after a disturbance. Both the number of disturbances experienced, and the caribou group size influenced the amount of time it took for caribou to return to baseline behaviour. Cox's proportional hazards modelling suggests that following a single disturbance, 90% of groups would return to baseline behaviour after 6 minutes and 98% of groups would return to baseline behaviour after 9 minutes.

Results from GLMMs and exploratory analyses indicated that group size and the distance of caribou to the Road were not correlated with the number of road crossings observed. In addition, the distance of caribou to the Road and the road status were not significant predictors of the proportion of caribou that would display response behaviour. Instead, the proportion of caribou exhibiting response behaviours was statistically related to differences in caribou group size, the occurrence of a disturbance event, and the temperature.

During the survey, the proportion of caribou displaying walking behaviour was influenced by a disturbance over an interval similar to what was seen in the response behaviour model. This reinforced the finding from previous annual analyses that walking may be a moderated response to disturbance for caribou. A positive correlation was found between the Road being closed and caribou displaying walking behaviour, which may reflect the fact that the Road is commonly closed when caribou are moving through the area (rather than foraging or resting). Additionally, it was found that caribou were more likely to be walking on the upstream side of the Road during the spring migration.

Based on commitments in the TEMP, the overall objective of the Caribou Behaviour Monitoring Program was to determine if caribou activity budgets changed with distance from the Complex, and to document caribou response to stressors. The primary hypothesis of this study was that caribou closer to the road would demonstrate a stronger response to vehicle disturbances. Overall, the results of the statistical analysis provided mixed support for this hypothesis, as caribou tended to respond to disturbances. However, response behaviour did not vary with distance from the Road. The analysis also found that caribou typically returned to baseline levels within approximately 6 minutes after their response to the disturbance (for one disturbance). This indicates that caribou behaviour returns to baseline relatively quickly following a disturbance. There was no clear shift in response behaviour depending on time of the year.

The updates applied to the survey protocol in previous years were helpful to improve the overall quality of the data and the precision of the analyses. Notably, even with these updates, the trends in the results were highly consistent between the 6 years of data, indicating that observed behavioural patterns have been stable over time.

Conclusion

Across six years of behavioural monitoring at the Meadowbank Complex, results consistently show that while caribou do respond to discrete disturbance events, these responses are generally short-lived, with most groups returning to baseline behaviour within roughly six minutes after a single disturbance. Behavioural patterns—including the distribution of groups relative to the Road, the predominance of non-response behaviours, and the stability of activity budgets across seasons—have remained consistent over time. Crucially, neither distance to the Road nor road status meaningfully predicted the magnitude of behavioural response, providing mixed support for the hypothesis that proximity increases sensitivity to disturbance. Walking behaviour was observed to increase when the Road is closed to mine traffic, though disentangling the inherent link between Road status and presence of caribou migrating through the Complex area is difficult as a result of implementation of mitigation measures to reduce potential impacts on caribou movement. Instead, group size, temperature, and the occurrence of a disturbance were the primary drivers of variation in response behaviours. Overall, the multi-year dataset indicates that caribou near the Complex exhibit predictable, resilient behavioural responses, with limited evidence that mine roads materially alter movement or behaviour beyond short-duration disturbance effects.

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APPENDIX A DETAILED METHODS FOR CARIBOU BEHAVIOUR SURVEYS



AGNICO EAGLE

Meadowbank Gold Mine

Caribou Behaviour Monitoring

February 2022

Project No.: 0656774

The business of sustainability

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APPENDIX A MEADOWBANK GOLD MINE: CARIBOU BEHAVIOUR MONITORING DATA SHEET

1. INTRODUCTION

Agnico Eagle Mines Ltd. (Agnico Eagle) would like to determine whether caribou behaviour changes in response to mine activities. The purpose of caribou behaviour surveys is to provide information to characterize the effects of the physical road and mine-related activities on caribou behaviour, including the All Weather Access Road (AWAR) and Haul Road.

The planned monitoring program is designed to collect data on caribou behaviour using standardized, scientifically-defensible methods. The data will be used to monitor Project effects.

1.1 Objectives

Following discussions with the Kivalliq Inuit Association and Government of Nunavut during the spring of 2021, the objectives of the behaviour monitoring program for caribou have been updated to the following:

- Evaluate the baseline behaviour of caribou (behaviour in the absence of disturbance);
- Evaluate the response of caribou to disturbances;
- Compare the behaviour of caribou between the following categories, if there is sufficient data:
    1) in large vs. small groups,
    2) near vs. far from the road,
    3) when the road is open vs. closed,
    4) east vs. west of the road, (upstream and downstream), and
    5) spring migration vs. summer and fall periods.

2. STUDY AREA

The study area for behaviour monitoring is anywhere that caribou may interact with the mine, including the All Weather Access Road (AWAR), the Meadowbank Mine site, Whale Tail site and the Haul Road connecting Meadowbank to Whale Tail.

3. STANDARD OPERATING PROCEDURES

The purpose of caribou behaviour surveys is to provide information to characterize the effects of the physical road and mine-related activities on caribou behaviour, including the All Weather Access Road (AWAR) and Haul Road. The overall method for the surveys is to identify caribou groups visible from the road, to select some groups for observation, and to record the behaviour of individuals in groups of different sizes including their behaviour without any disturbance and responses to both mine-related activities and natural factors.

Notes to guide the work include:

- Systematic surveys will be conducted along all Project roads during spring, summer and fall periods.
- The survey team will consist of a driver/observer and a second observer when available.

Surveys should be performed:

- During spring, summer and fall when caribou may be in the Project area,
- Of caribou at various distances from the road and group sizes, and
- If surveying effects of a convoy, conduct two surveys, one at least an hour before convoy deployment so that a pre-disturbance measurement can be made, and a second survey during the convoy passing by caribou.

3.1 General Field Data

For each survey day, the appropriate general field data will be recorded onto field data sheets supplied in Appendix A and B. A new data sheet will be used for each survey, including additional sheets as necessary to record all observations. General information includes:

- Survey date and start and end times.
- Field personnel (full names on the data sheet header and initials thereafter).
- Weather conditions during and prior to sampling (e.g., snow in the last 24 hours, current wind conditions).
- Site description: provide location and description (GPS coordinates, road name and distance marker).
- Photographs or video (if possible):
    - Take a photo of the caribou every time an observation is recorded so that the observations can be verified by a biologist.
    - For any photographs taken, record the picture IDs in the comments field on the field data sheet.
    - Write descriptions of any photos taken for specific reasons.
- General observations/notes of the environment/sampling procedures.
- Any deviation from the SOPs outlined below.

Note: When in doubt take pictures and make field notes explaining the situation, your response or consequent changes in methods. It is better to have more data/notes than not enough when interpreting the results later on.

3.2 General Equipment List

- A GPS unit with waypoints of road km markings.
- Field data sheets (Appendix A and B), clipboard, pencils, or iPad with data form.
- A timer capable of alarm setting for repeat time intervals (i.e., can be set to go off every three minutes, like a smart phone).
- Binoculars or spotting scope.
- Compass (or use compass function on GPS unit).
- Portable weather station (temperature and wind speed).
- Camera.
- Rangefinder.

3.3 Field Methods

3.3.1 Group Selection

The survey day will begin with a reconnaissance survey to determine how many caribou groups are present near the road, how large they are, and where they are. This will be accomplished by driving from the mine site along the road and noting relevant information about the groups and their sizes along the way (using the standard, tablet-based road survey form). Observers will preferentially choose groups to survey to across group sizes and distances from the road. Ideally, caribou would be sampled in an even distribution across these variables and along the AWAR and Haul Road. However, the nature of caribou and field sampling mean that observers may need to survey what caribou are available, rather than what is “ideal”.

Allow approximately one hour to survey each group. If the length of the survey day permits all groups to be surveyed then they should all be surveyed. If there are more groups to survey than the time in the day, then do the following:

1. Look at how many of each group size (bullet list below) have been surveyed to date. If one of them is under-represented and there is a group of that size on the road, then go survey that group. If there is more than one group of that size, choose it randomly using the procedure in step 4.
    - 1 or 2 caribou
    - 3 to 25 caribou
    - 26 to 50 caribou
    - >50 caribou
2. During 2020, few groups of caribou within 300 m of the road were observed or sampled. Preferentially choose groups of caribou within 300 m of the road, with a soft target of approximately 1/3 of samples in this area.
3. If any Project-tolerant caribou are observed (e.g., caribou observed near the road or mine site for more than 72 hours in summer and 48 hours in other seasons; TEMP 2020), then select these animals for sampling. In Appendix A data sheet, record that the group is Project tolerant in the notes field.
4. If there are multiple groups available, choose groups to fill in an even distribution of group sizes and distances from roads.

Record all caribou groups observed during the reconnaissance survey in the standard, tablet-based survey form and submit that data along with the results of behaviour monitoring.

3.3.2 Selection of an Observation Site

Find a safe parking location and follow site safety protocols. The observation location may be the vehicle itself or a safe location off the road. If observers exit the vehicle, the observation location should be chosen where observer activity is not likely to influence caribou behaviour and where the observer can remain comfortable for a period of approximately 45 minutes without needing to move. Ideally, the vehicle should be stopped a minimum of ~250-300 m from the caribou – adapt this distance as needed. If the animals are staring at the truck or moving away, then the truck is too close.

3.3.3 Data Recording

Allow 15 minutes between arrival and the time at which behavioural observations begin. This is to allow animals to return to behaviour that may have been interrupted by the arrival of observers. In the time before recording behaviour, fill in the top portion of the form with location, weather, and group size information.

After 15 minutes, begin recording data in the form in Appendix A. The start time to record is the time that observations begin.

3.3.3.1 Location

Location: Collect a waypoint of the location from which the observations will be made. Note the waypoint number and the UTM coordinates on the data sheet.

Road Status: If observing caribou on a road, record whether the AWAR or Haul Road are open or closed.

Distance from observer to caribou: Estimate the distance to the group using a laser rangefinder and, using a compass or the GPS unit compass feature, record the bearing (0° to 360°) to the group being observed. If the group of caribou is large and spread over a considerable distance from the road, estimate the distance to nearby caribou and the caribou furthest away that will be sampled. If some caribou in the group are too far away to sample, then do not include them in the distance estimate.

Distance from road to caribou: If caribou are closer to the road than to the observer, as is the case when the observer vehicle is stopped at a distance, visually estimate the distance from the road to the group.

East vs. West: Note if the group is on the east or west side of the road. At the end of the 30 minute observation period return to the top of the form and record (Y or N) if the group crossed the road during the survey period. If monitoring at the mine site or Whale Tail, leave this section blank.

Direction of Travel: Note if caribou are moving parallel to the road, perpendicular to the road, or are stationary.

3.3.3.2 Weather Conditions

Use the portable weather station to record:

- Air temperature;
- Wind speed;
- Wind direction;
- Precipitation; and
- Humidity (if the weather station has this function).

3.3.3.3 Road Structure

At the location of the caribou group, record the road characteristics:

- Height of the road above the tundra (m);
- Slope of the road side (with of the slope in m);
- Approximate height of snow bank (m); and
- Any structures, such as bridges, present.

3.3.3.4 Caribou Behaviour

Individuals in the group being observed will be categorized when the survey starts and at three minute intervals. Standardized behaviour categories will be used (Section 3.3.4). The standardization of behaviour is necessary for clarity and data analysis. If the observed behaviour does not fit within any of the categories then observers have the option of noting other behaviour in the comments field. However, this should be used only rarely as most behaviour should fit in the primary categories listed below.
If noting a new/different behaviour, please take a photo or video of the caribou.

The data to record at each three-minute interval are the numbers of individuals in the group exhibiting each behaviour at that time. Do not attempt to characterize the behaviour that occurred during the interval. If the group is too large to be counted in each interval, choose an identifiable subset of the group, count the individuals exhibiting each behaviour at each time interval, and add a comment that a subset of the group was sampled. For clarity, observers should record zero values for behaviours not observed.

Indicate the total group size at the top of the data form, not the size of the subset whose behaviour was recorded. Count the number of caribou up to 100 animals, and then record group size in categories above 100; 100-200 animals, etc. (see Appendix A).

Practically, the easiest way to do this is to have the observer scan across the group of caribou from Left to Right, calling out the behaviour of each animal, while the recorder adds tick marks to the data sheet. When complete, count up the tick marks.

Sex: Note the sex of the group. This can be difficult in large groups, so record in the following categories: mostly males, mostly females, mostly females with calves, juveniles, or mixed group.

3.3.3.5 Disturbance Events

Caribou behaviour is expected to vary in response to some disturbance events. The bottom of the data form should be used to record any potential disturbance events evident to the observer regardless of whether caribou respond to them. The main categories of events are included in the data sheet:

- Light truck;
- Haul truck;
- Road maintenance vehicle (e.g., grader);
- ATV or skidoo;
- Aircraft; and
- Predator (note species).

Record the number and approximate speed of the vehicle (regular driving speed, or moving slowly, ~10 km/h, past caribou).

Record the time of the disturbance event (0:00 to 30:00 of the survey), indicate which type of disturbance was observed in the appropriate column. Record any additional comments and records of photographs taken in the final column.

Record whether the vehicle stopped when approaching caribou or continued to drive slowly. If possible, coordinate with passing vehicles on the road to have some vehicles stop for 10 minutes, and others drive by slowly.

3.3.4 Behaviour Classification

With the exception of Alert behaviour, the primary behaviour categories and their definitions follow classifications from the Government of Northwest Territories (GNWT 2017). The categories appear as columns on the data form, with descriptions on the form. The behaviour categories are:

- **Feeding** – standing or walking posture, with the muzzle touching or nearly touching the ground; can be ingesting food or not; head down or moving from side to side.
- **Lying down** – bedded on the ground, either upright or lying on its side, in a resting or ruminating position.
- **Standing** – stationary in an upright, standing posture with head elevated above the ground, and usually above the knees; if cow is nursing, if possible record the time spend nursing.
- **Alert** – head up scanning horizon or focused on a source of disturbance (e.g., vehicle, predator, human).
- **Walking** – similar to standing posture but moving at a slow gait (<5 km/h).
- **Trotting/running** – similar to standing posture but moving rapidly in symmetrical or asymmetrical gait.

Other behaviours that may be observed (record in comments field on form) are:

- **Nursing** – calf is suckling cow.
- **Sparring** – two males in contact.
- **Insect response behavior** – twitching, stamping, tossing head.

In the comments, record if any animals are moving towards the road, parallel or away from the road.

4. DATA MANAGEMENT

Please scan all data sheets at the end of the day. Data from behaviour surveys should be entered into Excel. Data from group selection surveys (standard tablet data form) and behaviour surveys should be delivered at the end of each month to ERM for QA/QC.

5. CLOSURE

This SOP has been produced for Agnico Eagle Meadowbank Division by ERM Canada. Please contact the authors with any questions.

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6. REFERENCES

GNWT-ENR. 2017. *Caribou behaviour monitoring field protocols.* Government of the Northwest Territories Environment and Natural Resources, 10 page unpublished document. Yellowknife, NT.

TEMP. 2020. Meadowbank Division. Terrestrial Ecosystem Management Plan. Version 8, April 2020

Meadowbank Gold Mine: Caribou Behaviour Monitoring Data Sheet

Date:	Time (24 hr [00:00 to 24:00]) Start:		End:
Observers:			
Location Waypoint number:	UTM Easting:	UTM Northing:	Road name and distance marker:
Distance from caribou to observer location (use rangefinder):	Bearing:		Distance from caribou to road (if different):
Is group location East or West of the Road at start of survey? Circle one: **E W**	Did the group cross the road during the survey? Circle one: **Y N**		
Caribou group size: Exact count (up to 100): _____ Estimated size for larger groups. Circle one: **101-200 201-500 501-1000 >1000**			
Record sex of group (mostly males, females, females with calves, mostly juveniles, or mixed group):			
Record direction of travel as parallel, perpendicular, or stationary relative to road:			

Temperature: ___°C Wind speed: _____km/h Wind direction:_____° Humidity:_____% Days since last snow or wind event: _____

Weather observations:

Road: Open? Closed? Road Height: Road Side Width: Structures/snowbank Present:

Observation time from start of survey	Number of animals exhibiting each behaviour type						Comments and photo numbers (Note if any caribou crossed road or travelled along road)
	Feeding	Lying Down	Standing	Walking	Alert	Trotting or running	
0 minutes							
3 minutes							
6 minutes							
9 minutes							
12 minutes							
15 minutes							
18 minutes							
21 minutes							
24 minutes							
27 minutes							
30 minutes							

Observed disturbance events

(record time from start of survey and check type of disturbance. Record whether vehicle stopped (s) or drove slowly (d) past caribou)

Time from start of survey	Light truck	Haul Truck	Road maintenance vehicle (e.g., grader)	ATV	Aircraft	Predator (note species)	Comments and photo numbers. Note other disturbances here

Categories and Definitions of Behaviour[1]:

- **Feeding** – standing or walking posture, with the muzzle touching or nearly touching the ground; can be ingesting food or not; head down or moving from side to side.
- **Lying down** – bedded on the ground, either upright or lying on its side, in a resting or ruminating position.
- **Standing** – stationary in an upright, standing posture with head elevated above the ground, and usually above the knees; if cow is nursing, if possible record the time spend nursing.
- **Alert** – head up scanning horizon or focused on a source of disturbance (e.g., vehicle, predator, human).
- **Walking** – similar to standing posture but moving at a slow gait (<5 km/h).
- **Trotting/running** – similar to standing posture but moving rapidly in symmetrical or asymmetrical gait.

Other behaviours that may be observed (record in comments field on form) are:

- **Nursing** – calf is suckling cow.
- **Sparring** – two males in contact.
- **Insect response behavior** – twitching, stamping, tossing head.

[1] Primary source: GNWT-ENR 2017 caribou behaviour monitoring field protocols, courtesy of GNWT Yellowknife, NT.

APPENDIX B MEADOWBANK COMPLEX CARIBOU BEHAVIOUR SURVEY DATA SUMMARY, 2020 TO 2025

APPENDIX B: MEADOWBANK COMPLEX CARIBOU BEHAVIOUR SURVEY DATA SUMMARY, 2020 TO 2025

Caribou Group Size	Total Surveys (All Years)	2020			2021		
		Total #	Surveys with Disturbance	Surveys with Road Crossing	Total #	Surveys with Disturbance	Surveys with Road Crossing
1-2	67	28	15	1	23	15	0
3-25	142	35	22	1	63	35	2
26-50	60	28	13	2	21	9	0
51-100	38	9	5	0	17	9	0
>100	47	16	13	1	10	6	4
Total	354	116	68	5	134	74	6

Caribou Group Size	Total Surveys (All Years)	2022			2023		
		Total #	Surveys with Disturbance	Surveys with Road Crossing	Total #	Surveys with Disturbance	Surveys with Road Crossing
1-2	67	16	10	1	10	5	1
3-25	142	44	28	3	22	6	1
26-50	60	11	4	0	12	2	2
51-100	38	12	3	1	10	0	0
>100	47	21	5	2	16	6	1
Total	354	104	50	7	70	19	5

Caribou Group Size	Total Surveys (All Years)	2024			2025		
		Total #	Surveys with Disturbance	Surveys with Road Crossing	Total #	Surveys with Disturbance	Surveys with Road Crossing
1-2	67	15	9	1	13	8	2
3-25	142	23	13	0	15	13	1
26-50	60	15	4	0	9	5	0
51-100	38	12	5	1	5	4	0
>100	47	5	2	1	16	7	3
Total	354	70	33	3	58	28	5

APPENDIX C SUMMARY OF SPATIAL DISTRIBUTION OF SURVEY DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

APPENDIX C: SUMMARY OF SPATIAL DISTRIBUTION OF SURVEY DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Season	2020		2021		2022	
	Surveys of Caribou on East Side of the Mine Infrastructure	Surveys of Caribou on West Side of the Mine Infrastructure	Surveys of Caribou on East Side of the Mine Infrastructure	Surveys of Caribou on West Side of the Mine Infrastructure	Surveys of Caribou on East Side of the Mine Infrastructure	Surveys of Caribou on West Side of the Mine Infrastructure
Spring Migration	12	46	23	89	13	47
Calving/Summer	11	7	3	12	15	12
Fall Migration	10	3	1	4	16	6
Total	**33**	**56**	**27**	**105**	**45**	**56**

Season	2023		2024		2025		
	Surveys of Caribou on East Side of the Mine Infrastructure	Surveys of Caribou on West Side of the Mine Infrastructure	Surveys of Caribou on East Side of the Mine Infrastructure	Surveys of Caribou on West Side of the Mine Infrastructure	Surveys of Caribou on East Side of the Mine Infrastructure	Surveys of Caribou on West Side of the Mine Infrastructure	Surveys of Caribou on Both Sides of the Mine Infrastructure
Spring Migration	4	34	6	25	-	26	2
Calving/Summer	1	0	2	3	-	-	-
Fall Migration	21	10	20	5	21	6	
Total	**26**	**44**	**30**	**37**	**21**	**32**	**2**

APPENDIX D DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2020-04-24	15:13	15:43	AWAR KM 7	300-1000	P.R	BEH1	73	West	No	6	-12	15	18	NA
2020-04-25	14:25	14:55	AWAR KM 21	300-1000	P.R	BEH4	356	West	Yes	130	-19	3.6	320	33.4
2020-08-22	12:24	12:54	AWAR KM 29	300-1000	C.G.P	NA	NA	East	No	~150	9	18	NW	59
2020-08-17	10:06	10:36	AWAR KM 31	300-1000	K.P	NA	NA	East	No	2	7	25	NE	NA
2020-08-21	11:32	12:02	AWAR KM 29	300-1000	C.G.P	NA	NA	East	No	58	8.7	34	NE	65
2020-08-22	11:34	12:04	AWAR KM 28	100-300	C.G.P	NA	NA	East	No	45	9	18	NW	59
2020-08-17	9:35	9:48	AWAR KM 38	>1000	K.P	NA	NA	West	No	1	7	25	NE	NA
2020-08-21	14:37	15:07	AWAR KM 40	300-1000	C.G.P	NA	NA	East	No	101-200	8.7	34	NW	65
2020-04-24	17:03	17:15	AWAR KM 40	300-1000	P.R	BEH2	212	West	No	16	-12	10	196	23
2020-08-12	14:33	14:39	AWAR KM 57	300-1000	K.P	NA	NA	NA	No	1	17	15	NE	58
2020-08-12	12:03	12:33	AWAR KM 70	>1000	K.P	NA	NA	NA	No	212	14	15	NE	NA
2020-08-17	7:55	8:25	AWAR KM 71	>1000	K.P	NA	NA	West	No	2	6	25	NE	NA
2020-08-12	11:03	11:20	AWAR KM 77	>1000	K.P	NA	NA	NA	Yes	41	14	15	NW	58
2020-08-12	9:42	10:11	AWAR KM 82	>1000	K.P	NA	NA	NA	No	2	13	15	NW	58
2020-08-12	10:13	10:43	AWAR KM 82	NA	K.P	NA	NA	NA	No	36	13	15	NE	58
2020-08-15	14:45	15:15	AWAR KM 84	>1000	K.P	NA	NA	West	No	2	19	21	SE	NA
2020-05-17	10:00	10:30	AWAR KM 86	300-1000	D.M	NA	90	East	No	2	-5	24	NW	NA
2020-08-12	16:33	16:53	AWAR KM 87	300-1000	K.P	NA	NA	East	No	1	17	10	SE	58
2020-08-15	16:30	17:00	AWAR KM 87	300-1000	K.P	NA	NA	West	No	1	18	15	SE	NA
2020-08-12	8:53	9:13	AWAR KM 87	>1000	K.P	NA	NA	NA	No	2	12	9.5	NW	NA
2020-08-15	13:50	14:20	AWAR KM 91.5	300-1000	K.P	NA	NA	West	No	1	17	22	SE	NA
2020-04-24	19:27	19:57	AWAR KM 94	300-1000	P.R	BEH3	22	West	No	4	-14	10	230	27
2020-05-17	8:50	9:20	AWAR KM 96	300-1000	D.M	NA	90	West	No	~67	-5	24	NW	NA
2020-08-06	7:10	7:40	AQ KM 175	0-50	K.P	NA	NA	West	No	1	15	30	SE	NA
2020-08-17	7:24	7:38	AWAR KM 79	300-1000	K.P	NA	NA	East	No	1	5	NA	NA	NA
2020-05-18	9:15	9:45	End of landing strip	300-1000	J.B	NA	0	East	No	35	-9	32	SW	NA
2020-05-06	13:20	13:50	AQ KM 111	>1000	J.B	NA	NA	East	No	22	-12	24	N	71
2020-08-16	14:43	15:13	Haul Rd KM 111	NA	K.P	NA	NA	East	No	2	9	55	NW	NA
2020-05-03	11:45	12:15	AQ KM 115.5	NA	K.P	NA	NA	West	No	10	-8	35	NNE	82
2020-04-29	16:00	16:30	Vault laydown KM 114	300-1000	K.P	NA	NA	West	No	32	-10.5	42	S	NA
2020-05-06	13:59	14:19	AQ KM 116	>1000	J.B	NA	NA	West	No	12	-16	24	N	71
2020-05-04	12:10	12:40	AQ KM 168	>1000	K.P	NA	NA	NA	No	10	NA	55	N	99
2020-05-02	11:20	11:41	AQ KM 117	>1000	K.P	NA	NA	West	No	9	-6	2	NA	NA
2020-05-06	14:35	15:05	AQ KM 119	300-1000	J.B	NA	NA	NA	No	7	-12	24	N	71
2020-04-29	8:55	9:25	AQ Hal Rd KM 120	300-1000	K.P	NA	NA	West	No	35	NA	NA	N	NA
2020-05-10	12:50	13:20	AQ KM 119	300-1000	J.B	NA	NA	East	No	7	-12	35	N	52
2020-05-08	10:30	11:00	AQ KM 117	300-1000	J.B	NA	NA	West	No	13	-8	5	N	55
2020-04-29	15:00	15:30	AQ KM 121	>1000	K.P	NA	NA	West	No	28	-12.5	32	S	NA
2020-05-10	13:45	14:15	AQ KM 121	50-100	J.B	NA	NA	East	No	1	-12	33	N	55
2020-05-09	12:50	13:20	AQ KM 117	300-1000	J.B	NA	NA	East	No	1	-15	30	N	60
2020-05-12	11:50	12:20	AQ KM 124	300-1000	J.B	NA	NA	East	No	1	-8	10	NE	65
2020-05-01	11:40	12:10	AQ Rd KM 124	300-1000	K.P	NA	NA	West	No	35	-14.5	16	NE	NA
2020-05-02	10:30	10:45	AQ KM 124	0-50	K.P	NA	NA	East	No	1	-7	1.2	NA	NA
2020-05-12	14:50	15:20	AQ KM 125	300-1000	J.B	NA	NA	West	No	35	-10	25	NE	65

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2020-04-24	15:13	15:43	AWAR KM 7	300-1000	1	Sunny, few clouds	45	60	Snow bank
2020-04-25	14:25	14:55	AWAR KM 21	300-1000	0	Cloudy	50	110	NA
2020-08-22	12:24	12:54	AWAR KM 29	300-1000	NA	NA	NA	NA	NA
2020-08-17	10:06	10:36	AWAR KM 31	300-1000	1	Overcast, light rain	600	700	None
2020-08-21	11:32	12:02	AWAR KM 29	300-1000	NA	NA	NA	NA	NA
2020-08-22	11:34	12:04	AWAR KM 28	100-300	NA	NA	NA	NA	NA
2020-08-17	9:35	9:48	AWAR KM 38	>1000	1	Overcast, drizzle	150	800	Tower and generator
2020-08-21	14:37	15:07	AWAR KM 40	300-1000	NA	NA	NA	NA	NA
2020-04-24	17:03	17:15	AWAR KM 40	300-1000	1	Sunny, clouds	57	70	NA
2020-08-12	14:33	14:39	AWAR KM 57	300-1000	NA	NA	NA	NA	NA
2020-08-12	12:03	12:33	AWAR KM 70	>1000	NA	Overcast	0-100	600	Quarry
2020-08-17	7:55	8:25	AWAR KM 71	>1000	1	Overcast	400	600	None
2020-08-12	11:03	11:20	AWAR KM 77	>1000	NA	Overcast	100	600	None
2020-08-12	9:42	10:11	AWAR KM 82	>1000	NA	Sunny, partly cloudy	500	600	Bridge
2020-08-12	10:13	10:43	AWAR KM 82	NA	NA	NA	700	500	Bridge
2020-08-15	14:45	15:15	AWAR KM 84	>1000	NA	NA	20	500	Bridge at KM 82 and seacan
2020-05-17	10:00	10:30	AWAR KM 86	300-1000	2	NA	NA	NA	None
2020-08-12	16:33	16:53	AWAR KM 87	300-1000	NA	NA	100	600	None
2020-08-15	16:30	17:00	AWAR KM 87	300-1000	NA	NA	100	800	None
2020-08-12	8:53	9:13	AWAR KM 87	>1000	NA	Overcast	>100	600	None
2020-08-15	13:50	14:20	AWAR KM 91.5	300-1000	1	NA	100	500-600	None
2020-04-24	19:27	19:57	AWAR KM 94	300-1000	0	Light snow	40	60	Snow bank
2020-05-17	8:50	9:20	AWAR KM 96	300-1000	2	Cloudy	NA	NA	None
2020-08-06	7:10	7:40	AQ KM 175	0-50	NA	NA	600-700	NA	Air strip
2020-08-17	7:24	7:38	AWAR KM 79	300-1000	1	Slight rain, overcast	NA	NA	NA
2020-05-18	9:15	9:45	End of landing strip	300-1000	NA	NA	NA	NA	NA
2020-05-06	13:20	13:50	AQ KM 111	>1000	1	Sunny	200-300 east	NA	None
2020-08-16	14:43	15:13	Haul Rd KM 111	NA	0	NA	200	1400	Waste dump 2 km south
2020-05-03	11:45	12:15	AQ KM 115.5	NA	NA	Drifting snow, overcast	0	NA	Vault bit; baby phase pit in 100 m (w)
2020-04-29	16:00	16:30	Vault laydown KM 114	300-1000	1	Blowing snow near the ground	200	NA	Seacans at vault laydown 2 km away
2020-05-06	13:59	14:19	AQ KM 116	>1000	1	Sunny	100-200	NA	None
2020-05-04	12:10	12:40	AQ KM 168	>1000	NA	Windy, drifting snow and sunny at the end	200	200 west, 100 east	Vault waste dump 2 km away
2020-05-02	11:20	11:41	AQ KM 117	>1000	1	Sunny	500 west, 0 east	NA	None; vault laydown in the distance
2020-05-06	14:35	15:05	AQ KM 119	300-1000	1	Sunny	500 west, 100 east	NA	Bridge
2020-04-29	8:55	9:25	AQ Hal Rd KM 120	300-1000	1	Sunny, drifting snow	NA	NA	NA
2020-05-10	12:50	13:20	AQ KM 119	300-1000	NA	Partly cloudy	0	NA	None
2020-05-08	10:30	11:00	AQ KM 117	300-1000	3	Partly cloudy, dusty due to haul trucks	0	NA	None
2020-04-29	15:00	15:30	AQ KM 121	>1000	NA	Blowing snow on the road	50	NA	NA
2020-05-10	13:45	14:15	AQ KM 121	50-100	NA	Partly cloudy	500	NA	NA
2020-05-09	12:50	13:20	AQ KM 117	300-1000	4	Sunny	0	NA	None
2020-05-12	11:50	12:20	AQ KM 124	300-1000	NA	NA	0	NA	None
2020-05-01	11:40	12:10	AQ Rd KM 124	300-1000	1	NA	100 west, 0 east	NA	None
2020-05-02	10:30	10:45	AQ KM 124	0-50	2	Sunny, warm	150	NA	None
2020-05-12	14:50	15:20	AQ KM 125	300-1000	NA	NA	0	NA	None

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2020-04-24	15:13	15:43	AWAR KM 7	300-1000	0	0	0	6	0	6	0	0	0	6	6	0
2020-04-25	14:25	14:55	AWAR KM 21	300-1000	0	0	12	30	30	36	5	0	0	40	1	1
2020-08-22	12:24	12:54	AWAR KM 29	300-1000	150	0	0	0	0	0	0	0	0	150	0	0
2020-08-17	10:06	10:36	AWAR KM 31	300-1000	0	2	0	0	0	0	0	2	0	0	0	0
2020-08-21	11:32	12:02	AWAR KM 29	300-1000	0	0	0	58	0	0	16	0	0	42	0	0
2020-08-22	11:34	12:04	AWAR KM 28	100-300	45	0	0	0	0	0	35	0	0	0	10	0
2020-08-17	9:35	9:48	AWAR KM 38	>1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-08-21	14:37	15:07	AWAR KM 40	300-1000	0	0	0	112	0	0	0	0	0	112	0	0
2020-04-24	17:03	17:15	AWAR KM 40	300-1000	8	0	6	16	4	1	16	0	9	16	8	0
2020-08-12	14:33	14:39	AWAR KM 57	300-1000	0	0	0	0	0	1	0	0	0	0	0	1
2020-08-12	12:03	12:33	AWAR KM 70	>1000	28	0	0	13	0	0	23	0	0	22	3	4
2020-08-17	7:55	8:25	AWAR KM 71	>1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-08-12	11:03	11:20	AWAR KM 77	>1000	35	0	0	6	0	0	26	0	0	15	0	0
2020-08-12	9:42	10:11	AWAR KM 82	>1000	0	0	0	1	0	0	0	0	0	1	0	0
2020-08-12	10:13	10:43	AWAR KM 82	NA	0	0	0	35	1	0	0	0	0	0	0	0
2020-08-15	14:45	15:15	AWAR KM 84	>1000	2	0	0	0	0	0	2	0	0	0	0	0
2020-05-17	10:00	10:30	AWAR KM 86	300-1000	1	1	0	0	0	0	1	1	0	0	0	0
2020-08-12	16:33	16:53	AWAR KM 87	300-1000	1	0	0	0	0	0	0	0	0	1	0	0
2020-08-15	16:30	17:00	AWAR KM 87	300-1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-08-12	8:53	9:13	AWAR KM 87	>1000	2	0	0	0	0	0	2	0	0	0	0	0
2020-08-15	13:50	14:20	AWAR KM 91.5	300-1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-04-24	19:27	19:57	AWAR KM 94	300-1000	4	0	3	4	0	0	4	0	2	4	0	0
2020-05-17	8:50	9:20	AWAR KM 96	300-1000	42	20	0	3	2	0	40	22	0	3	0	0
2020-08-06	7:10	7:40	AQ KM 175	0-50	1	0	0	0	0	0	1	0	0	0	0	0
2020-08-17	7:24	7:38	AWAR KM 79	300-1000	0	0	0	1	0	0	0	0	0	1	0	0
2020-05-18	9:15	9:45	End of landing strip	300-1000	15	17	1	2	0	0	17	8	10	0	0	0
2020-05-06	13:20	13:50	AQ KM 111	>1000	0	22	0	0	0	0	0	22	0	0	0	0
2020-08-16	14:43	15:13	Haul Rd KM 111	NA	1	0	0	1	0	0	1	0	0	0	1	0
2020-05-03	11:45	12:15	AQ KM 115.5	NA	8	0	2	0	0	0	10	0	0	0	0	0
2020-04-29	16:00	16:30	Vault laydown KM 114	300-1000	22	0	2	6	2	0	21	0	3	8	0	0
2020-05-06	13:59	14:19	AQ KM 116	>1000	0	0	0	12	0	0	0	0	0	12	0	0
2020-05-04	12:10	12:40	AQ KM 168	>1000	0	10	0	0	0	0	0	10	0	0	0	0
2020-05-02	11:20	11:41	AQ KM 117	>1000	0	0	1	8	0	0	0	0	0	8	0	1
2020-05-06	14:35	15:05	AQ KM 119	300-1000	1	0	0	6	0	0	5	0	0	2	0	0
2020-04-29	8:55	9:25	AQ Hal Rd KM 120	300-1000	1	30	0	0	1	0	0	28	4	0	0	0
2020-05-10	12:50	13:20	AQ KM 119	300-1000	0	7	0	0	0	0	0	7	0	0	0	0
2020-05-08	10:30	11:00	AQ KM 117	300-1000	5	0	0	13	0	0	11	0	0	1	1	0
2020-04-29	15:00	15:30	AQ KM 121	>1000	11	6	0	6	2	0	20	2	0	5	0	0
2020-05-10	13:45	14:15	AQ KM 121	50-100	1	0	0	0	0	0	1	0	0	0	0	0
2020-05-09	12:50	13:20	AQ KM 117	300-1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-05-12	11:50	12:20	AQ KM 124	300-1000	10	0	0	0	0	0	9	0	0	1	0	0
2020-05-01	11:40	12:10	AQ Rd KM 124	300-1000	7	0	0	3	0	0	7	0	0	4	0	0
2020-05-02	10:30	10:45	AQ KM 124	0-50	0	0	1	0	0	0	0	0	0	1	0	0
2020-05-12	14:50	15:20	AQ KM 125	300-1000	34	0	1	0	0	0	35	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2020-04-24	15:13	15:43	AWAR KM 7	300-1000	6	0	0	6	1	0	5	0	0	6	6	6
2020-04-25	14:25	14:55	AWAR KM 21	300-1000	32	0	0	40	0	0	40	0	2	40	5	0
2020-08-22	12:24	12:54	AWAR KM 29	300-1000	0	0	0	0	0	0	0	0	0	150	0	0
2020-08-17	10:06	10:36	AWAR KM 31	300-1000	0	2	0	0	0	0	0	2	0	0	0	0
2020-08-21	11:32	12:02	AWAR KM 29	300-1000	16	0	0	42	0	0	0	0	0	58	0	0
2020-08-22	11:34	12:04	AWAR KM 28	100-300	0	0	0	45	0	0	45	0	0	0	0	0
2020-08-17	9:35	9:48	AWAR KM 38	>1000	0	0	0	1	0	0	0	0	0	1	0	0
2020-08-21	14:37	15:07	AWAR KM 40	300-1000	0	0	0	112	0	0	112	0	0	0	0	0
2020-04-24	17:03	17:15	AWAR KM 40	300-1000	12	0	2	12	0	0	7	0	1	7	1	0
2020-08-12	14:33	14:39	AWAR KM 57	300-1000	0	0	0	0	0	1	NA	NA	NA	NA	NA	NA
2020-08-12	12:03	12:33	AWAR KM 70	>1000	0	0	0	23	0	2	30	0	6	100	0	0
2020-08-17	7:55	8:25	AWAR KM 71	>1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-08-12	11:03	11:20	AWAR KM 77	>1000	31	0	0	8	3	0	29	0	0	12	0	0
2020-08-12	9:42	10:11	AWAR KM 82	>1000	0	0	0	1	0	0	1	0	0	0	0	0
2020-08-12	10:13	10:43	AWAR KM 82	NA	0	0	0	0	18	0	6	0	0	0	10	3
2020-08-15	14:45	15:15	AWAR KM 84	>1000	2	0	0	0	0	0	1	0	0	1	0	0
2020-05-17	10:00	10:30	AWAR KM 86	300-1000	1	1	0	0	0	0	1	1	0	0	0	0
2020-08-12	16:33	16:53	AWAR KM 87	300-1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-08-15	16:30	17:00	AWAR KM 87	300-1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-08-12	8:53	9:13	AWAR KM 87	>1000	0	0	0	2	0	0	2	0	0	0	0	0
2020-08-15	13:50	14:20	AWAR KM 91.5	300-1000	0	0	0	1	0	0	0	0	0	1	0	0
2020-04-24	19:27	19:57	AWAR KM 94	300-1000	4	0	4	4	0	0	4	0	3	4	0	0
2020-05-17	8:50	9:20	AWAR KM 96	300-1000	37	26	0	2	0	0	36	27	0	2	2	0
2020-08-06	7:10	7:40	AQ KM 175	0-50	1	0	0	0	0	0	1	0	0	0	0	0
2020-08-17	7:24	7:38	AWAR KM 79	300-1000	1	0	0	0	0	0	0	0	0	1	0	0
2020-05-18	9:15	9:45	End of landing strip	300-1000	16	17	2	0	0	0	12	20	0	3	0	0
2020-05-06	13:20	13:50	AQ KM 111	>1000	0	22	0	0	0	0	0	22	0	0	0	0
2020-08-16	14:43	15:13	Haul Rd KM 111	NA	2	0	0	0	0	0	1	0	0	1	0	0
2020-05-03	11:45	12:15	AQ KM 115.5	NA	10	0	0	0	0	0	9	1	0	0	0	0
2020-04-29	16:00	16:30	Vault laydown KM 114	300-1000	25	0	2	4	1	0	25	0	1	6	0	0
2020-05-06	13:59	14:19	AQ KM 116	>1000	0	0	0	12	0	0	0	0	0	12	0	0
2020-05-04	12:10	12:40	AQ KM 168	>1000	0	10	0	0	0	0	0	10	0	0	0	0
2020-05-02	11:20	11:41	AQ KM 117	>1000	0	0	0	9	0	0	0	0	0	9	0	0
2020-05-06	14:35	15:05	AQ KM 119	300-1000	1	0	0	3	0	0	0	0	0	5	0	0
2020-04-29	8:55	9:25	AQ Hal Rd KM 120	300-1000	2	31	0	1	1	0	1	0	0	1	3	0
2020-05-10	12:50	13:20	AQ KM 119	300-1000	0	7	0	0	0	0	0	7	0	0	0	0
2020-05-08	10:30	11:00	AQ KM 117	300-1000	1	0	0	3	0	0	0	0	0	0	0	0
2020-04-29	15:00	15:30	AQ KM 121	>1000	15	6	0	5	1	0	17	8	0	3	0	0
2020-05-10	13:45	14:15	AQ KM 121	50-100	0	0	0	1	0	0	0	0	0	1	0	0
2020-05-09	12:50	13:20	AQ KM 117	300-1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-05-12	11:50	12:20	AQ KM 124	300-1000	5	0	0	5	0	0	10	0	0	0	0	0
2020-05-01	11:40	12:10	AQ Rd KM 124	300-1000	9	0	0	3	0	0	12	0	1	4	0	0
2020-05-02	10:30	10:45	AQ KM 124	0-50	1	0	0	0	0	0	0	0	0	1	0	0
2020-05-12	14:50	15:20	AQ KM 125	300-1000	20	0	0	0	0	0	6	0	0	1	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2020-04-24	15:13	15:43	AWAR KM 7	300-1000	6	0	0	0	2	0	6	0	0	6	0
2020-04-25	14:25	14:55	AWAR KM 21	300-1000	5	0	1	40	0	0	16	0	0	40	4
2020-08-22	12:24	12:54	AWAR KM 29	300-1000	0	0	0	150	0	0	0	0	0	150	0
2020-08-17	10:06	10:36	AWAR KM 31	300-1000	0	2	0	0	0	0	0	2	0	0	0
2020-08-21	11:32	12:02	AWAR KM 29	300-1000	0	0	0	58	0	0	0	0	0	58	0
2020-08-22	11:34	12:04	AWAR KM 28	100-300	0	0	0	45	0	0	0	0	0	45	0
2020-08-17	9:35	9:48	AWAR KM 38	>1000	0	0	0	1	0	0	NA	NA	NA	NA	NA
2020-08-21	14:37	15:07	AWAR KM 40	300-1000	112	0	0	0	0	0	112	0	0	0	0
2020-04-24	17:03	17:15	AWAR KM 40	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-12	14:33	14:39	AWAR KM 57	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-12	12:03	12:33	AWAR KM 70	>1000	20	0	0	130	0	8	43	0	0	150	2
2020-08-17	7:55	8:25	AWAR KM 71	>1000	1	0	0	0	0	0	1	0	0	0	0
2020-08-12	11:03	11:20	AWAR KM 77	>1000	6	0	4	10	0	0	0	0	0	11	0
2020-08-12	9:42	10:11	AWAR KM 82	>1000	0	0	0	1	0	0	0	0	0	0	1
2020-08-12	10:13	10:43	AWAR KM 82	NA	14	0	0	0	2	0	0	0	0	12	0
2020-08-15	14:45	15:15	AWAR KM 84	>1000	2	0	0	0	0	0	1	0	0	1	0
2020-05-17	10:00	10:30	AWAR KM 86	300-1000	1	1	0	0	0	0	0	2	0	0	0
2020-08-12	16:33	16:53	AWAR KM 87	300-1000	0	0	0	1	0	0	0	0	0	1	0
2020-08-15	16:30	17:00	AWAR KM 87	300-1000	1	0	0	0	0	0	1	0	0	0	0
2020-08-12	8:53	9:13	AWAR KM 87	>1000	1	0	1	0	0	0	0	0	0	2	0
2020-08-15	13:50	14:20	AWAR KM 91.5	300-1000	1	0	0	0	0	0	0	0	1	0	0
2020-04-24	19:27	19:57	AWAR KM 94	300-1000	4	0	2	4	0	0	3	0	1	4	0
2020-05-17	8:50	9:20	AWAR KM 96	300-1000	34	27	0	4	2	0	32	32	1	2	0
2020-08-06	7:10	7:40	AQ KM 175	0-50	0	0	0	0	1	0	1	0	0	0	0
2020-08-17	7:24	7:38	AWAR KM 79	300-1000	0	0	0	1	0	0	0	0	0	0	0
2020-05-18	9:15	9:45	End of landing strip	300-1000	13	14	0	3	0	0	15	13	0	2	0
2020-05-06	13:20	13:50	AQ KM 111	>1000	0	22	0	0	0	0	0	22	0	0	0
2020-08-16	14:43	15:13	Haul Rd KM 111	NA	2	0	0	0	0	0	0	0	0	2	0
2020-05-03	11:45	12:15	AQ KM 115.5	NA	6	1	2	1	0	0	8	2	0	0	0
2020-04-29	16:00	16:30	Vault laydown KM 114	300-1000	27	0	0	5	0	0	26	0	2	4	0
2020-05-06	13:59	14:19	AQ KM 116	>1000	0	0	0	6	0	0	0	0	0	2	0
2020-05-04	12:10	12:40	AQ KM 168	>1000	0	10	0	0	0	0	0	10	0	0	0
2020-05-02	11:20	11:41	AQ KM 117	>1000	0	0	0	9	0	0	0	0	0	8	0
2020-05-06	14:35	15:05	AQ KM 119	300-1000	5	0	0	1	0	0	7	0	0	0	0
2020-04-29	8:55	9:25	AQ Hal Rd KM 120	300-1000	0	34	1	0	0	0	1	34	0	0	0
2020-05-10	12:50	13:20	AQ KM 119	300-1000	0	7	0	0	0	0	0	7	0	0	0
2020-05-08	10:30	11:00	AQ KM 117	300-1000	0	0	0	0	0	0	1	0	0	0	0
2020-04-29	15:00	15:30	AQ KM 121	>1000	19	5	0	2	2	0	18	5	0	4	1
2020-05-10	13:45	14:15	AQ KM 121	50-100	1	0	0	0	0	0	1	0	0	0	0
2020-05-09	12:50	13:20	AQ KM 117	300-1000	1	0	0	0	0	0	0	0	0	0	1
2020-05-12	11:50	12:20	AQ KM 124	300-1000	10	0	0	0	0	0	10	0	0	0	0
2020-05-01	11:40	12:10	AQ Rd KM 124	300-1000	18	0	2	5	0	0	17	0	3	6	0
2020-05-02	10:30	10:45	AQ KM 124	0-50	0	0	0	1	0	0	0	0	0	1	0
2020-05-12	14:50	15:20	AQ KM 125	300-1000	10	0	0	0	0	0	5	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2020-04-24	15:13	15:43	AWAR KM 7	300-1000	0	6	0	4	6	0	0	5	0	4	6
2020-04-25	14:25	14:55	AWAR KM 21	300-1000	2	27	0	7	40	3	1	40	0	6	40
2020-08-22	12:24	12:54	AWAR KM 29	300-1000	0	0	0	0	150	0	0	0	0	0	0
2020-08-17	10:06	10:36	AWAR KM 31	300-1000	0	0	2	0	0	0	0	0	2	0	0
2020-08-21	11:32	12:02	AWAR KM 29	300-1000	0	0	0	0	58	0	0	0	0	0	58
2020-08-22	11:34	12:04	AWAR KM 28	100-300	0	0	0	0	0	0	0	NA	NA	NA	NA
2020-08-17	9:35	9:48	AWAR KM 38	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-21	14:37	15:07	AWAR KM 40	300-1000	0	112	0	0	0	0	0	62	0	0	60
2020-04-24	17:03	17:15	AWAR KM 40	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-12	14:33	14:39	AWAR KM 57	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-12	12:03	12:33	AWAR KM 70	>1000	10	50	0	0	162	0	0	105	0	0	100
2020-08-17	7:55	8:25	AWAR KM 71	>1000	0	1	0	0	0	0	0	2	0	0	0
2020-08-12	11:03	11:20	AWAR KM 77	>1000	0	0	0	0	0	0	0	NA	NA	NA	NA
2020-08-12	9:42	10:11	AWAR KM 82	>1000	0	1	0	0	0	0	0	1	0	0	0
2020-08-12	10:13	10:43	AWAR KM 82	NA	0	0	6	2	3	1	0	0	0	0	6
2020-08-15	14:45	15:15	AWAR KM 84	>1000	0	0	0	0	2	0	0	2	0	0	0
2020-05-17	10:00	10:30	AWAR KM 86	300-1000	0	0	2	0	0	0	0	0	2	0	0
2020-08-12	16:33	16:53	AWAR KM 87	300-1000	0	0	0	0	1	0	0	0	0	0	2
2020-08-15	16:30	17:00	AWAR KM 87	300-1000	0	0	0	0	1	0	0	1	0	0	0
2020-08-12	8:53	9:13	AWAR KM 87	>1000	0	2	0	0	0	0	0	0	0	0	0
2020-08-15	13:50	14:20	AWAR KM 91.5	300-1000	0	1	0	0	0	0	0	0	0	1	0
2020-04-24	19:27	19:57	AWAR KM 94	300-1000	0	2	0	1	4	0	0	4	0	4	4
2020-05-17	8:50	9:20	AWAR KM 96	300-1000	0	25	34	0	4	2	0	28	33	0	4
2020-08-06	7:10	7:40	AQ KM 175	0-50	0	1	0	0	0	0	0	1	0	0	0
2020-08-17	7:24	7:38	AWAR KM 79	300-1000	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-18	9:15	9:45	End of landing strip	300-1000	0	19	11	2	0	0	0	18	11	0	1
2020-05-06	13:20	13:50	AQ KM 111	>1000	0	0	22	0	0	0	0	0	21	1	0
2020-08-16	14:43	15:13	Haul Rd KM 111	NA	0	1	0	0	1	0	0	2	0	0	0
2020-05-03	11:45	12:15	AQ KM 115.5	NA	0	7	2	1	0	0	0	8	2	0	0
2020-04-29	16:00	16:30	Vault laydown KM 114	300-1000	0	20	5	0	5	2	0	18	4	2	7
2020-05-06	13:59	14:19	AQ KM 116	>1000	0	0	0	0	0	0	0	NA	NA	NA	NA
2020-05-04	12:10	12:40	AQ KM 168	>1000	0	0	9	1	0	0	0	0	10	0	0
2020-05-02	11:20	11:41	AQ KM 117	>1000	1	1	0	2	5	0	0	1	0	2	5
2020-05-06	14:35	15:05	AQ KM 119	300-1000	0	5	0	0	0	0	0	6	0	1	0
2020-04-29	8:55	9:25	AQ Hal Rd KM 120	300-1000	0	0	35	0	0	0	0	0	35	0	0
2020-05-10	12:50	13:20	AQ KM 119	300-1000	0	0	7	0	0	0	0	0	7	0	0
2020-05-08	10:30	11:00	AQ KM 117	300-1000	0	1	0	0	0	0	0	1	0	0	0
2020-04-29	15:00	15:30	AQ KM 121	>1000	0	13	10	0	3	2	0	11	11	1	2
2020-05-10	13:45	14:15	AQ KM 121	50-100	0	1	0	0	0	0	0	1	0	0	0
2020-05-09	12:50	13:20	AQ KM 117	300-1000	0	1	0	0	0	0	0	1	0	0	0
2020-05-12	11:50	12:20	AQ KM 124	300-1000	0	10	0	0	0	0	0	10	0	0	0
2020-05-01	11:40	12:10	AQ Rd KM 124	300-1000	0	17	0	0	18	0	0	21	0	2	11
2020-05-02	10:30	10:45	AQ KM 124	0-50	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-12	14:50	15:20	AQ KM 125	300-1000	0	5	0	0	0	0	0	5	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2020-04-24	15:13	15:43	AWAR KM 7	300-1000	0	0	6	0	6	6	0	0	6	0	2
2020-04-25	14:25	14:55	AWAR KM 21	300-1000	0	0	32	0	2	40	40	0	0	0	0
2020-08-22	12:24	12:54	AWAR KM 29	300-1000	0	150	0	0	0	150	0	0	0	0	0
2020-08-17	10:06	10:36	AWAR KM 31	300-1000	0	0	0	2	0	0	0	0	2	0	0
2020-08-21	11:32	12:02	AWAR KM 29	300-1000	0	0	0	0	0	28	0	30	0	0	0
2020-08-22	11:34	12:04	AWAR KM 28	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-17	9:35	9:48	AWAR KM 38	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-21	14:37	15:07	AWAR KM 40	300-1000	0	0	0	0	0	112	0	0	0	0	0
2020-04-24	17:03	17:15	AWAR KM 40	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-12	14:33	14:39	AWAR KM 57	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-12	12:03	12:33	AWAR KM 70	>1000	2	5	191	0	0	20	1	0	50	15	0
2020-08-17	7:55	8:25	AWAR KM 71	>1000	0	0	2	0	0	0	0	0	1	0	1
2020-08-12	11:03	11:20	AWAR KM 77	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-12	9:42	10:11	AWAR KM 82	>1000	0	0	0	2	0	0	0	0	0	2	0
2020-08-12	10:13	10:43	AWAR KM 82	NA	0	15	0	0	0	2	0	0	0	3	2
2020-08-15	14:45	15:15	AWAR KM 84	>1000	0	0	1	0	1	0	0	0	2	0	0
2020-05-17	10:00	10:30	AWAR KM 86	300-1000	0	0	0	2	0	0	0	0	0	2	0
2020-08-12	16:33	16:53	AWAR KM 87	300-1000	0	0	2	0	0	0	0	0	2	0	0
2020-08-15	16:30	17:00	AWAR KM 87	300-1000	0	0	1	0	0	0	0	0	0	0	0
2020-08-12	8:53	9:13	AWAR KM 87	>1000	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-15	13:50	14:20	AWAR KM 91.5	300-1000	0	0	0	0	1	0	0	0	1	0	0
2020-04-24	19:27	19:57	AWAR KM 94	300-1000	0	0	4	0	4	4	1	0	3	0	4
2020-05-17	8:50	9:20	AWAR KM 96	300-1000	0	0	31	35	0	1	0	0	30	32	0
2020-08-06	7:10	7:40	AQ KM 175	0-50	0	0	0	0	0	0	1	0	1	0	0
2020-08-17	7:24	7:38	AWAR KM 79	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-18	9:15	9:45	End of landing strip	300-1000	0	0	17	15	1	1	0	0	15	11	3
2020-05-06	13:20	13:50	AQ KM 111	>1000	0	0	0	22	0	0	0	0	0	21	1
2020-08-16	14:43	15:13	Haul Rd KM 111	NA	0	0	2	0	0	0	0	0	1	0	1
2020-05-03	11:45	12:15	AQ KM 115.5	NA	0	0	6	2	2	0	0	0	8	2	0
2020-04-29	16:00	16:30	Vault laydown KM 114	300-1000	1	0	15	2	3	7	2	3	10	0	3
2020-05-06	13:59	14:19	AQ KM 116	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-04	12:10	12:40	AQ KM 168	>1000	0	0	0	10	0	0	0	0	0	10	0
2020-05-02	11:20	11:41	AQ KM 117	>1000	0	0	0	0	1	7	0	0	NA	NA	NA
2020-05-06	14:35	15:05	AQ KM 119	300-1000	0	0	4	0	0	3	0	0	0	0	0
2020-04-29	8:55	9:25	AQ Hal Rd KM 120	300-1000	0	0	0	35	0	0	0	0	0	35	0
2020-05-10	12:50	13:20	AQ KM 119	300-1000	0	0	0	7	0	0	0	0	0	7	0
2020-05-08	10:30	11:00	AQ KM 117	300-1000	0	0	0	0	1	0	0	0	0	0	0
2020-04-29	15:00	15:30	AQ KM 121	>1000	2	0	14	10	0	3	1	0	16	6	0
2020-05-10	13:45	14:15	AQ KM 121	50-100	0	0	1	0	0	0	0	0	0	0	0
2020-05-09	12:50	13:20	AQ KM 117	300-1000	0	0	1	0	0	0	0	0	1	0	0
2020-05-12	11:50	12:20	AQ KM 124	300-1000	0	0	9	0	0	1	0	0	9	0	0
2020-05-01	11:40	12:10	AQ Rd KM 124	300-1000	1	0	13	0	1	12	0	0	6	0	0
2020-05-02	10:30	10:45	AQ KM 124	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-12	14:50	15:20	AQ KM 125	300-1000	0	0	5	0	0	0	0	0	5	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2020-04-24	15:13	15:43	AWAR KM 7	300-1000	4	2	0	5	0	3	5	0	0
2020-04-25	14:25	14:55	AWAR KM 21	300-1000	7	40	40	39	0	0	39	39	39
2020-08-22	12:24	12:54	AWAR KM 29	300-1000	0	0	0	NA	NA	NA	NA	NA	NA
2020-08-17	10:06	10:36	AWAR KM 31	300-1000	0	0	0	1	0	0	1	0	0
2020-08-21	11:32	12:02	AWAR KM 29	300-1000	57	0	0	0	0	0	57	0	0
2020-08-22	11:34	12:04	AWAR KM 28	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-17	9:35	9:48	AWAR KM 38	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-21	14:37	15:07	AWAR KM 40	300-1000	112	0	0	30	0	0	92	0	0
2020-04-24	17:03	17:15	AWAR KM 40	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-12	14:33	14:39	AWAR KM 57	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-12	12:03	12:33	AWAR KM 70	>1000	144	0	3	44	4	0	160	3	1
2020-08-17	7:55	8:25	AWAR KM 71	>1000	0	0	0	0	0	0	2	0	0
2020-08-12	11:03	11:20	AWAR KM 77	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-12	9:42	10:11	AWAR KM 82	>1000	0	0	0	0	2	0	0	0	0
2020-08-12	10:13	10:43	AWAR KM 82	NA	0	0	0	0	3	0	3	0	0
2020-08-15	14:45	15:15	AWAR KM 84	>1000	0	0	0	1	0	0	1	0	0
2020-05-17	10:00	10:30	AWAR KM 86	300-1000	0	0	0	0	2	0	0	0	0
2020-08-12	16:33	16:53	AWAR KM 87	300-1000	0	0	0	1	0	0	1	0	0
2020-08-15	16:30	17:00	AWAR KM 87	300-1000	1	0	0	1	0	0	0	0	0
2020-08-12	8:53	9:13	AWAR KM 87	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-15	13:50	14:20	AWAR KM 91.5	300-1000	0	0	0	0	0	1	0	0	0
2020-04-24	19:27	19:57	AWAR KM 94	300-1000	4	2	0	1	0	4	4	0	0
2020-05-17	8:50	9:20	AWAR KM 96	300-1000	4	1	0	30	31	0	4	1	0
2020-08-06	7:10	7:40	AQ KM 175	0-50	0	0	0	1	0	0	0	0	0
2020-08-17	7:24	7:38	AWAR KM 79	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-18	9:15	9:45	End of landing strip	300-1000	2	0	0	14	14	2	2	0	0
2020-05-06	13:20	13:50	AQ KM 111	>1000	0	0	0	0	22	0	0	0	0
2020-08-16	14:43	15:13	Haul Rd KM 111	NA	0	0	0	2	0	0	0	0	0
2020-05-03	11:45	12:15	AQ KM 115.5	NA	0	0	0	8	2	0	0	0	0
2020-04-29	16:00	16:30	Vault laydown KM 114	300-1000	14	0	5	6	0	2	0	1	0
2020-05-06	13:59	14:19	AQ KM 116	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-04	12:10	12:40	AQ KM 168	>1000	0	0	0	0	10	0	0	0	0
2020-05-02	11:20	11:41	AQ KM 117	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-06	14:35	15:05	AQ KM 119	300-1000	7	0	0	0	0	1	0	0	0
2020-04-29	8:55	9:25	AQ Hal Rd KM 120	300-1000	0	0	0	0	35	0	0	0	0
2020-05-10	12:50	13:20	AQ KM 119	300-1000	0	0	0	0	7	0	0	0	0
2020-05-08	10:30	11:00	AQ KM 117	300-1000	0	1	0	0	0	0	1	0	0
2020-04-29	15:00	15:30	AQ KM 121	>1000	4	2	0	13	12	0	2	1	0
2020-05-10	13:45	14:15	AQ KM 121	50-100	1	0	0	1	0	0	0	0	0
2020-05-09	12:50	13:20	AQ KM 117	300-1000	0	0	0	1	0	0	0	0	0
2020-05-12	11:50	12:20	AQ KM 124	300-1000	1	0	0	9	0	0	0	1	0
2020-05-01	11:40	12:10	AQ Rd KM 124	300-1000	1	0	0	5	0	0	1	0	0
2020-05-02	10:30	10:45	AQ KM 124	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-12	14:50	15:20	AQ KM 125	300-1000	0	0	0	5	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2020-04-24	15:13	15:43	AWAR KM 7	300-1000	NA	NA	NA	NA	Haul truck	NA
2020-04-25	14:25	14:55	AWAR KM 21	300-1000	NA	NA	NA	Haul truck	NA	NA
2020-08-22	12:24	12:54	AWAR KM 29	300-1000	NA	NA	NA	NA	NA	NA
2020-08-17	10:06	10:36	AWAR KM 31	300-1000	NA	NA	NA	NA	NA	NA
2020-08-21	11:32	12:02	AWAR KM 29	300-1000	NA	Haul truck	NA	NA	Haul truck	Light truck
2020-08-22	11:34	12:04	AWAR KM 28	100-300	NA	NA	NA	NA	NA	NA
2020-08-17	9:35	9:48	AWAR KM 38	>1000	NA	NA	NA	NA	NA	NA
2020-08-21	14:37	15:07	AWAR KM 40	300-1000	NA	NA	NA	NA	Haul truck	NA
2020-04-24	17:03	17:15	AWAR KM 40	300-1000	NA	NA	NA	NA	NA	NA
2020-08-12	14:33	14:39	AWAR KM 57	300-1000	NA	NA	NA	NA	NA	NA
2020-08-12	12:03	12:33	AWAR KM 70	>1000	NA	NA	NA	NA	NA	NA
2020-08-17	7:55	8:25	AWAR KM 71	>1000	NA	NA	NA	NA	NA	NA
2020-08-12	11:03	11:20	AWAR KM 77	>1000	NA	NA	NA	NA	NA	NA
2020-08-12	9:42	10:11	AWAR KM 82	>1000	NA	NA	NA	Grader	NA	NA
2020-08-12	10:13	10:43	AWAR KM 82	NA	NA	Grader	NA	NA	Road maintenance vehicle	NA
2020-08-15	14:45	15:15	AWAR KM 84	>1000	NA	NA	Tractor trailer	NA	Tractor trailer	NA
2020-05-17	10:00	10:30	AWAR KM 86	300-1000	NA	NA	NA	NA	NA	NA
2020-08-12	16:33	16:53	AWAR KM 87	300-1000	NA	NA	NA	Sand truck	NA	NA
2020-08-15	16:30	17:00	AWAR KM 87	300-1000	NA	NA	NA	NA	NA	Tractor trailer
2020-08-12	8:53	9:13	AWAR KM 87	>1000	NA	NA	NA	NA	NA	NA
2020-08-15	13:50	14:20	AWAR KM 91.5	300-1000	NA	NA	NA	Fuel tank	NA	NA
2020-04-24	19:27	19:57	AWAR KM 94	300-1000	NA	NA	NA	NA	NA	NA
2020-05-17	8:50	9:20	AWAR KM 96	300-1000	NA	NA	NA	NA	NA	NA
2020-08-06	7:10	7:40	AQ KM 175	0-50	NA	Haul truck	Convoy	Convoy	Light truck	NA
2020-08-17	7:24	7:38	AWAR KM 79	300-1000	NA	NA	NA	NA	NA	NA
2020-05-18	9:15	9:45	End of landing strip	300-1000	NA	NA	NA	NA	NA	NA
2020-05-06	13:20	13:50	AQ KM 111	>1000	Haul truck	NA	Haul truck	NA	NA	Haul truck
2020-08-16	14:43	15:13	Haul Rd KM 111	NA	NA	NA	NA	Tractor trailer	Light truck	Tractor trailer
2020-05-03	11:45	12:15	AQ KM 115.5	NA	NA	NA	NA	NA	NA	NA
2020-04-29	16:00	16:30	Vault laydown KM 114	300-1000	NA	NA	NA	NA	NA	NA
2020-05-06	13:59	14:19	AQ KM 116	>1000	NA	NA	NA	NA	NA	NA
2020-05-04	12:10	12:40	AQ KM 168	>1000	NA	NA	NA	NA	NA	Road maintenance vehicle
2020-05-02	11:20	11:41	AQ KM 117	>1000	NA	NA	NA	NA	NA	NA
2020-05-06	14:35	15:05	AQ KM 119	300-1000	NA	NA	NA	NA	NA	Haul truck
2020-04-29	8:55	9:25	AQ Hal Rd KM 120	300-1000	NA	NA	NA	NA	NA	NA
2020-05-10	12:50	13:20	AQ KM 119	300-1000	NA	NA	NA	Haul truck	NA	NA
2020-05-08	10:30	11:00	AQ KM 117	300-1000	NA	NA	NA	NA	NA	NA
2020-04-29	15:00	15:30	AQ KM 121	>1000	NA	NA	NA	NA	NA	NA
2020-05-10	13:45	14:15	AQ KM 121	50-100	NA	NA	Haul truck	NA	NA	NA
2020-05-09	12:50	13:20	AQ KM 117	300-1000	NA	NA	NA	NA	NA	Convoy
2020-05-12	11:50	12:20	AQ KM 124	300-1000	Haul truck	NA	NA	NA	NA	Haul truck
2020-05-01	11:40	12:10	AQ Rd KM 124	300-1000	NA	NA	NA	NA	NA	NA
2020-05-02	10:30	10:45	AQ KM 124	0-50	NA	NA	NA	NA	NA	NA
2020-05-12	14:50	15:20	AQ KM 125	300-1000	Haul truck	NA	NA	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2020-04-24	15:13	15:43	AWAR KM 7	300-1000	NA	NA	NA	NA	NA	2020	-96.0072	64.41057	NA
2020-04-25	14:25	14:55	AWAR KM 21	300-1000	NA	NA	Hunter	Hunter	NA	2020	-96.0993	64.48273	NA
2020-08-22	12:24	12:54	AWAR KM 29	300-1000	NA	ATV	NA	NA	NA	2020	-96.1604	64.52716	NA
2020-08-17	10:06	10:36	AWAR KM 31	300-1000	NA	Tractor trailer	NA	NA	NA	2020	-96.2032	64.55867	NA
2020-08-21	11:32	12:02	AWAR KM 29	300-1000	NA	NA	Hunter	NA	NA	2020	-96.2051	64.56257	NA
2020-08-22	11:34	12:04	AWAR KM 28	100-300	NA	NA	NA	NA	NA	2020	-96.2765	64.5994	NA
2020-08-17	9:35	9:48	AWAR KM 38	>1000	NA	NA	NA	NA	NA	2020	-96.2793	64.60143	NA
2020-08-21	14:37	15:07	AWAR KM 40	300-1000	Haul truck	NA	NA	NA	NA	2020	-96.2802	64.6192	NA
2020-04-24	17:03	17:15	AWAR KM 40	300-1000	NA	NA	NA	NA	NA	2020	-96.2914	64.62508	NA
2020-08-12	14:33	14:39	AWAR KM 57	300-1000	NA	NA	NA	NA	NA	2020	-96.3702	64.74715	NA
2020-08-12	12:03	12:33	AWAR KM 70	>1000	NA	NA	NA	NA	NA	2020	-96.3177	64.84207	NA
2020-08-17	7:55	8:25	AWAR KM 71	>1000	NA	NA	NA	NA	NA	2020	-96.3199	64.84493	NA
2020-08-12	11:03	11:20	AWAR KM 77	>1000	NA	NA	NA	NA	NA	2020	-96.3259	64.90232	NA
2020-08-12	9:42	10:11	AWAR KM 82	>1000	NA	NA	NA	NA	NA	2020	-96.3153	64.93307	NA
2020-08-12	10:13	10:43	AWAR KM 82	NA	NA	NA	NA	NA	NA	2020	-96.3153	64.93307	NA
2020-08-15	14:45	15:15	AWAR KM 84	>1000	Fuel tanker	NA	NA	NA	NA	2020	-96.3009	64.93489	NA
2020-05-17	10:00	10:30	AWAR KM 86	300-1000	NA	NA	NA	NA	NA	2020	-96.2528	64.94684	NA
2020-08-12	16:33	16:53	AWAR KM 87	300-1000	NA	NA	NA	NA	NA	2020	-96.2521	64.94812	NA
2020-08-15	16:30	17:00	AWAR KM 87	300-1000	NA	NA	Light truck	NA	NA	2020	-96.2521	64.94812	NA
2020-08-12	8:53	9:13	AWAR KM 87	>1000	NA	NA	NA	NA	NA	2020	-96.2206	64.9581	NA
2020-08-15	13:50	14:20	AWAR KM 91.5	300-1000	NA	NA	NA	NA	NA	2020	-96.2229	64.97976	NA
2020-04-24	19:27	19:57	AWAR KM 94	300-1000	NA	NA	NA	NA	NA	2020	-96.2131	65.0074	NA
2020-05-17	8:50	9:20	AWAR KM 96	300-1000	NA	NA	NA	NA	NA	2020	-96.1809	65.0181	NA
2020-08-06	7:10	7:40	AQ KM 175	0-50	NA	NA	NA	NA	NA	2020	-96.0639	65.02199	NA
2020-08-17	7:24	7:38	AWAR KM 79	300-1000	NA	NA	NA	NA	NA	2020	-96.0797	65.02625	NA
2020-05-18	9:15	9:45	End of landing strip	300-1000	NA	NA	NA	NA	NA	2020	-96.0865	65.02905	NA
2020-05-06	13:20	13:50	AQ KM 111	>1000	NA	NA	NA	NA	NA	2020	-96.0104	65.05011	NA
2020-08-16	14:43	15:13	Haul Rd KM 111	NA	NA	Tractor trailer	NA	Light truck	NA	2020	-96.0104	65.05011	NA
2020-05-03	11:45	12:15	AQ KM 115.5	NA	NA	NA	NA	NA	NA	2020	-96.009	65.07116	NA
2020-04-29	16:00	16:30	Vault laydown KM 114	300-1000	Light truck	NA	Light truck	NA	NA	2020	-96.021	65.07733	NA
2020-05-06	13:59	14:19	AQ KM 116	>1000	NA	NA	NA	NA	NA	2020	-96.0269	65.08244	NA
2020-05-04	12:10	12:40	AQ KM 168	>1000	Light truck	NA	Light truck	NA	NA	2020	-96.0304	65.08297	NA
2020-05-02	11:20	11:41	AQ KM 117	>1000	NA	NA	NA	NA	NA	2020	-96.0533	65.08344	NA
2020-05-06	14:35	15:05	AQ KM 119	300-1000	NA	NA	NA	Light truck	NA	2020	-96.0577	65.08898	NA
2020-04-29	8:55	9:25	AQ Hal Rd KM 120	300-1000	NA	NA	NA	NA	NA	2020	-96.0639	65.09274	NA
2020-05-10	12:50	13:20	AQ KM 119	300-1000	NA	Haul truck	NA	NA	NA	2020	-96.068	65.09919	NA
2020-05-08	10:30	11:00	AQ KM 117	300-1000	NA	NA	NA	NA	Haul truck	2020	-96.068	65.09922	NA
2020-04-29	15:00	15:30	AQ KM 121	>1000	NA	NA	NA	NA	NA	2020	-96.084	65.10558	NA
2020-05-10	13:45	14:15	AQ KM 121	50-100	NA	Haul truck	NA	Fuel truck	Haul truck	2020	-96.0942	65.11214	NA
2020-05-09	12:50	13:20	AQ KM 117	300-1000	NA	Haul truck	Haul truck	NA	NA	2020	-96.1065	65.12471	NA
2020-05-12	11:50	12:20	AQ KM 124	300-1000	Haul truck	NA	NA	NA	Haul truck	2020	-96.107	65.12486	NA
2020-05-01	11:40	12:10	AQ Rd KM 124	300-1000	NA	NA	NA	NA	NA	2020	-96.1072	65.12684	NA
2020-05-02	10:30	10:45	AQ KM 124	0-50	NA	NA	NA	NA	NA	2020	-96.1083	65.13228	NA
2020-05-12	14:50	15:20	AQ KM 125	300-1000	Haul truck	NA	NA	NA	NA	2020	-96.1051	65.14129	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2020-05-01	12:30	13:00	AQ Rd KM 126	NA	K.P	NA	NA	East	No	2	-14	17	NW	NA
2020-05-03	13:00	13:30	AQ KM 126.5	>1000	K.P	NA	NA	West	No	32	-12	25	NNE	82
2020-05-01	9:50	10:14	AQ Rd KM 127	300-1000	K.P	NA	NA	West	No	26	-18	9	NW	NA
2020-05-11	12:10	12:31	AQ KM 128	300-1000	J.B	NA	NA	West	No	23	-10	5	N	67
2020-05-02	13:00	13:30	AQ KM 129	NA	K.P	NA	NA	West	No	18	NA	NA	NA	NA
2020-05-03	14:00	14:18	AQ KM 130	300-1000	K.P	NA	NA	NA	No	2	-12	25	NNE	84
2020-04-29	10:20	10:50	AQ Hal Rd KM 130	300-1000	K.P	NA	NA	West	No	12	-6.1	19	NE	NA
2020-05-09	13:50	14:20	AQ KM 131	>1000	J.B	NA	NA	West	No	25	-12	33	N	40
2020-05-02	13:40	14:10	AQ KM 132.5	50-100	K.P	NA	NA	West	Yes	1	-4	3	NA	NA
2020-05-07	8:49	9:10	AQ KM 133	300-1000	K.P	NA	NA	West	No	19	-13	1.2	SW	70
2020-05-03	14:30	15:00	AQ KM 134.6	NA	K.P	NA	NA	Both	No	28	-5	26	NNE	84
2020-05-07	12:25	12:52	AQ KM 134	>1000	J.B	NA	NA	West	Yes	45	-9	2.5	SW	60
2020-05-10	9:50	10:20	AQ KM 136	>1000	J.B	NA	NA	West	No	32	-15	27	N	70
2020-05-04	12:50	13:18	AQ KM 136	300-1000	K.P	NA	NA	West	No	47	-10.2	36	N	98
2020-05-11	13:18	13:30	AQ KM 137	300-1000	J.B	NA	NA	West	No	8	-8	2.5	N	60
2020-05-02	14:25	14:55	AQ KM 136	300-1000	K.P	NA	NA	East	No	4	NA	4	NA	NA
2020-05-04	15:10	15:19	AQ KM 147	300-1000	K.P	NA	NA	NA	Yes	3	-8.5	25	N	99
2020-04-29	12:20	12:50	AQ KM 148	50-100	K.P	NA	NA	West	No	14-22	-5	20	NE	NA
2020-04-30	8:30	8:37	AQ KM 144	100-300	K.P	NA	NA	NA	No	4	NA	60	N	NA
2020-04-30	9:00	9:30	AQ KM 140	300-1000	K.P	NA	NA	NA	No	35	NA	60	N	NA
2020-05-03	10:30	10:45	AQ KM 161	>1000	K.P	NA	NA	West	No	6	-10	26	NW	NA
2020-04-30	16:30	17:00	AQ KM 148	>1000	K.P	NA	NA	West	No	52	-5	42	N	NA
2020-04-29	11:20	11:50	AQ KM 138	300-1000	K.P	NA	NA	West	No	101-200	-6	22	SW	NA
2020-08-07	12:32	13:00	NA	300-1000	K.P	NA	NA	NA	No	>533	15	35	SE	NA
2020-08-06	15:50	16:20	AQ KM 149	>1000	K.P	NA	NA	NA	No	>400	18	45	SE	NA
2020-05-01	15:20	15:50	AQ KM 151	300-1000	K.P	NA	NA	West	No	15	-12	21	N	NA
2020-05-06	9:25	9:55	AQ KM 153	>1000	J.B	NA	NA	West	No	15	-16	32	N	60
2020-08-06	14:50	15:20	AQ KM 156	>1000	K.P	NA	NA	NA	No	193	19	40	SF	NA
2020-05-02	16:00	16:12	AQ KM 161	300-1000	K.P	NA	NA	West	No	10	NA	NA	NA	NA
2020-05-03	9:00	9:30	AQ KM 158	>1000	K.P	NA	NA	NA	No	65	-10	21.5	NE	82
2020-08-07	9:20	9:50	KM 154	>1000	K.P	NA	NA	NA	No	45	14	10	SE	NA
2020-08-06	10:37	11:07	AQ KM 106	0-50	K.P	NA	NA	East	No	2	24	35	SE	NA
2020-08-06	10:40	11:10	AQ KM 159	NA	K.P	NA	NA	East	No	400	24	35	SE	NA
2020-05-12	16:50	17:20	AQ KM 159	300-1000	J.B	NA	NA	West	No	72	-10	25	N	64
2020-05-03	8:30	9:00	AQ KM 160	300-1000	K.P	NA	NA	East	No	7	-11	21	NNE	80
2020-05-04	16:10	16:40	AQ KM 160	>1000	K.P	NA	NA	West	No	18	-8	35	N	99.9
2020-04-30	14:20	14:50	AQ KM 160	300-1000	K.P	NA	NA	West	No	110	-5	32	N	NA
2020-08-09	13:52	13:20	NA	0-50	K.P	NA	NA	NA	No	1	20	30	SE	NA
2020-08-07	9:00	9:11	KM 161	>1000	K.P	NA	NA	NA	No	1	14	10	SE	NA
2020-05-07	14:50	15:20	AQ KM 161	300-1000	J.B	NA	NA	West	No	7	-8	5.3	SW	55

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2020-05-01	12:30	13:00	AQ Rd KM 126	NA	1	NA	NA	NA	Bridge at KM 126; seacan on left
2020-05-03	13:00	13:30	AQ KM 126.5	>1000	NA	Windy, cloudy	100 west, 0 east	NA	Bridge 1 km from group
2020-05-01	9:50	10:14	AQ Rd KM 127	300-1000	1	NA	50	NA	None
2020-05-11	12:10	12:31	AQ KM 128	300-1000	NA	Cloudy	0	NA	None
2020-05-02	13:00	13:30	AQ KM 129	NA	NA	Sunny	NA	NA	NA
2020-05-03	14:00	14:18	AQ KM 130	300-1000	0	Light snow, windy, overcast	200	NA	Bridge
2020-04-29	10:20	10:50	AQ Hal Rd KM 130	300-1000	1	Partly cloudy, windy, drifting snow	25	300	Bridge 800 m from group; tower 2 km from group
2020-05-09	13:50	14:20	AQ KM 131	>1000	4	Sunny	1500	NA	NA
2020-05-02	13:40	14:10	AQ KM 132.5	50-100	1	Sunny	50	NA	Radio tower
2020-05-07	8:49	9:10	AQ KM 133	300-1000	2	Sunny	100	NA	Tower
2020-05-03	14:30	15:00	AQ KM 134.6	NA	1-2	Drifting snow, clearing sky	200 west, 0 east	NA	Radio tower within 1 km
2020-05-07	12:25	12:52	AQ KM 134	>1000	2	Sunny	2500 west, 0 east	NA	None
2020-05-10	9:50	10:20	AQ KM 136	>1000	NA	Partly cloudy	0	NA	None
2020-05-04	12:50	13:18	AQ KM 136	300-1000	NA	Drifting snow, sunny	NA	NA	NA
2020-05-11	13:18	13:30	AQ KM 137	300-1000	NA	Cloudy	0	NA	None
2020-05-02	14:25	14:55	AQ KM 136	300-1000	1	NA	NA	NA	None
2020-05-04	15:10	15:19	AQ KM 147	300-1000	1	Windy, sunny	50 west, 100 east	NA	Bridge at KM 147; spill seacan
2020-04-29	12:20	12:50	AQ KM 148	50-100	1	NA	Level with tundra	NA	Generator 200 m away (not running)
2020-04-30	8:30	8:37	AQ KM 144	100-300	NA	NA	100	NA	NA
2020-04-30	9:00	9:30	AQ KM 140	300-1000	NA	Drifting/blowing snow	NA	NA	NA
2020-05-03	10:30	10:45	AQ KM 161	>1000	NA	White out, light snow, overcast	NA	NA	NA
2020-04-30	16:30	17:00	AQ KM 148	>1000	NA	Sunny, some drifting snow	100	NA	NA
2020-04-29	11:20	11:50	AQ KM 138	300-1000	1	Sunny, windy	NA	NA	Bridge 500 m away
2020-08-07	12:32	13:00	NA	300-1000	NA	Overcast, light drizzle	200	800	NA
2020-08-06	15:50	16:20	AQ KM 149	>1000	NA	NA	0-100	NA	Sand truck
2020-05-01	15:20	15:50	AQ KM 151	300-1000	1	Sunny	500 west, 100 east	NA	None
2020-05-06	9:25	9:55	AQ KM 153	>1000	1	Sunny	1500-2000 west	NA	None
2020-08-06	14:50	15:20	AQ KM 156	>1000	NA	Overcast	400	NA	None
2020-05-02	16:00	16:12	AQ KM 161	300-1000	NA	NA	NA	NA	NA
2020-05-03	9:00	9:30	AQ KM 158	>1000	2	Windy, overcast	50 west, 0 east	NA	Bridge at KM 159; 2 km away
2020-08-07	9:20	9:50	KM 154	>1000	NA	Overcast	100	NA	None
2020-08-06	10:37	11:07	AQ KM 106	0-50	NA	Cloudy	NA	NA	Bridge
2020-08-06	10:40	11:10	AQ KM 159	NA	NA	Cloudy	200	NA	Bridge
2020-05-12	16:50	17:20	AQ KM 159	300-1000	NA	NA	0	NA	None
2020-05-03	8:30	9:00	AQ KM 160	300-1000	2	Windy, white out, light snow	0 west, 50 east	NA	Bridge at KM 160 and KM 159; group was intervened
2020-05-04	16:10	16:40	AQ KM 160	>1000	NA	NA	100 west, 0 east	NA	Bridge KM 160; 1 km away
2020-04-30	14:20	14:50	AQ KM 160	300-1000	1	Sunny, windy	NA	NA	NA
2020-08-09	13:52	13:20	NA	0-50	NA	NA	100	600	Bridge
2020-08-07	9:00	9:11	KM 161	>1000	NA	Overcast	400	NA	Parked long haul truck on the road
2020-05-07	14:50	15:20	AQ KM 161	300-1000	2	Sunny	100	NA	None

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2020-05-01	12:30	13:00	AQ Rd KM 126	NA	1	0	0	0	0	0	1	0	0	0	0	0
2020-05-03	13:00	13:30	AQ KM 126.5	>1000	20	0	1	11	0	0	6	0	2	23	1	0
2020-05-01	9:50	10:14	AQ Rd KM 127	300-1000	0	0	0	25	1	0	0	0	5	14	3	4
2020-05-11	12:10	12:31	AQ KM 128	300-1000	19	0	0	4	0	0	9	0	0	0	0	0
2020-05-02	13:00	13:30	AQ KM 129	NA	11	0	0	0	0	0	9	0	1	1	0	0
2020-05-03	14:00	14:18	AQ KM 130	300-1000	2	0	0	0	0	0	2	0	0	0	0	0
2020-04-29	10:20	10:50	AQ Hal Rd KM 130	300-1000	6	6	0	0	0	0	4	6	0	2	0	0
2020-05-09	13:50	14:20	AQ KM 131	>1000	20	0	0	5	0	0	24	0	0	1	0	0
2020-05-02	13:40	14:10	AQ KM 132.5	50-100	1	0	0	0	0	0	1	0	0	0	0	0
2020-05-07	8:49	9:10	AQ KM 133	300-1000	6	0	8	5	0	0	0	0	2	17	0	0
2020-05-03	14:30	15:00	AQ KM 134.6	NA	20	0	1	5	0	0	26	0	2	0	0	0
2020-05-07	12:25	12:52	AQ KM 134	>1000	3	0	0	25	3	10	0	0	5	36	0	0
2020-05-10	9:50	10:20	AQ KM 136	>1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-05-04	12:50	13:18	AQ KM 136	300-1000	0	0	2	45	0	0	0	0	0	11	1	0
2020-05-11	13:18	13:30	AQ KM 137	300-1000	0	0	0	8	0	0	0	0	0	8	0	0
2020-05-02	14:25	14:55	AQ KM 136	300-1000	4	0	0	0	0	0	4	0	0	0	0	0
2020-05-04	15:10	15:19	AQ KM 147	300-1000	0	0	0	2	0	0	2	0	0	1	0	0
2020-04-29	12:20	12:50	AQ KM 148	50-100	17	0	0	3	2	0	19	0	0	1	1	0
2020-04-30	8:30	8:37	AQ KM 144	100-300	0	0	0	4	0	0	3	0	0	1	0	0
2020-04-30	9:00	9:30	AQ KM 140	300-1000	24	0	10	0	1	0	0	0	0	18	2	15
2020-05-03	10:30	10:45	AQ KM 161	>1000	0	6	0	0	0	0	0	6	0	0	0	0
2020-04-30	16:30	17:00	AQ KM 148	>1000	48	0	0	4	0	0	47	0	0	4	1	0
2020-04-29	11:20	11:50	AQ KM 138	300-1000	40	0	0	60	20	0	20	0	50	30	10	0
2020-08-07	12:32	13:00	NA	300-1000	0	0	0	33	0	0	0	0	0	140	0	0
2020-08-06	15:50	16:20	AQ KM 149	>1000	350	0	0	40	0	10	350	0	20	30	0	0
2020-05-01	15:20	15:50	AQ KM 151	300-1000	2	0	0	1	0	0	1	1	1	0	0	0
2020-05-06	9:25	9:55	AQ KM 153	>1000	0	15	0	0	0	0	0	15	0	0	0	0
2020-08-06	14:50	15:20	AQ KM 156	>1000	3	0	0	78	0	0	8	0	0	19	0	4
2020-05-02	16:00	16:12	AQ KM 161	300-1000	2	8	0	0	0	0	2	8	0	0	0	0
2020-05-03	9:00	9:30	AQ KM 158	>1000	59	0	0	6	0	0	57	0	2	6	0	0
2020-08-07	9:20	9:50	KM 154	>1000	24	0	1	6	0	0	26	0	2	3	0	0
2020-08-06	10:37	11:07	AQ KM 106	0-50	2	0	0	0	0	0	0	0	0	2	0	0
2020-08-06	10:40	11:10	AQ KM 159	NA	280	10	0	100	5	5	306	10	30	50	0	4
2020-05-12	16:50	17:20	AQ KM 159	300-1000	60	0	0	12	0	0	15	0	0	30	0	0
2020-05-03	8:30	9:00	AQ KM 160	300-1000	7	0	0	0	0	0	2	0	0	5	0	0
2020-05-04	16:10	16:40	AQ KM 160	>1000	0	18	0	0	0	0	0	18	0	0	0	0
2020-04-30	14:20	14:50	AQ KM 160	300-1000	80	3	0	15	2	0	102	4	0	4	0	0
2020-08-09	13:52	13:20	NA	0-50	0	1	0	0	0	0	0	1	0	0	0	0
2020-08-07	9:00	9:11	KM 161	>1000	1	0	0	0	0	0	1	0	0	0	0	0
2020-05-07	14:50	15:20	AQ KM 161	300-1000	7	0	0	0	0	0	7	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2020-05-01	12:30	13:00	AQ Rd KM 126	NA	0	0	0	0	0	1	0	0	0	2	0	0
2020-05-03	13:00	13:30	AQ KM 126.5	>1000	0	0	1	31	0	0	0	0	2	30	0	0
2020-05-01	9:50	10:14	AQ Rd KM 127	300-1000	0	0	2	9	3	12	0	0	0	26	0	0
2020-05-11	12:10	12:31	AQ KM 128	300-1000	5	0	0	0	0	0	5	0	0	0	0	0
2020-05-02	13:00	13:30	AQ KM 129	NA	10	0	0	1	0	0	10	0	0	1	0	0
2020-05-03	14:00	14:18	AQ KM 130	300-1000	0	0	0	1	0	1	1	0	0	1	0	0
2020-04-29	10:20	10:50	AQ Hal Rd KM 130	300-1000	4	6	0	2	0	0	5	6	0	1	0	0
2020-05-09	13:50	14:20	AQ KM 131	>1000	17	0	0	1	0	0	14	0	3	0	0	0
2020-05-02	13:40	14:10	AQ KM 132.5	50-100	0	0	1	0	0	0	0	0	0	1	0	0
2020-05-07	8:49	9:10	AQ KM 133	300-1000	6	0	1	2	0	0	11	0	0	1	0	0
2020-05-03	14:30	15:00	AQ KM 134.6	NA	23	0	1	4	0	0	25	0	0	3	0	0
2020-05-07	12:25	12:52	AQ KM 134	>1000	0	0	0	All	0	0	0	0	6	39	0	0
2020-05-10	9:50	10:20	AQ KM 136	>1000	0	0	1	0	0	0	14	0	1	0	0	0
2020-05-04	12:50	13:18	AQ KM 136	300-1000	0	0	0	30	0	0	0	0	38	5	0	0
2020-05-11	13:18	13:30	AQ KM 137	300-1000	2	0	0	6	0	0	0	0	0	0	0	0
2020-05-02	14:25	14:55	AQ KM 136	300-1000	3	0	0	1	0	0	4	0	0	0	0	0
2020-05-04	15:10	15:19	AQ KM 147	300-1000	3	0	0	0	0	0	2	0	0	1	0	0
2020-04-29	12:20	12:50	AQ KM 148	50-100	7	0	0	3	1	0	6	0	0	4	0	0
2020-04-30	8:30	8:37	AQ KM 144	100-300	0	0	2	0	2	0	NA	NA	NA	NA	NA	NA
2020-04-30	9:00	9:30	AQ KM 140	300-1000	0	0	0	24	0	0	0	0	0	20	2	2
2020-05-03	10:30	10:45	AQ KM 161	>1000	0	0	0	6	0	0	0	0	1	5	0	0
2020-04-30	16:30	17:00	AQ KM 148	>1000	44	0	0	3	5	0	43	0	3	2	4	0
2020-04-29	11:20	11:50	AQ KM 138	300-1000	12	0	52	16	40	0	30	0	45	35	15	0
2020-08-07	12:32	13:00	NA	300-1000	0	0	0	196	0	0	0	0	0	239	0	0
2020-08-06	15:50	16:20	AQ KM 149	>1000	350	25	0	19	0	0	300	25	0	20	0	0
2020-05-01	15:20	15:50	AQ KM 151	300-1000	1	2	0	0	0	0	0	3	0	0	0	0
2020-05-06	9:25	9:55	AQ KM 153	>1000	0	15	0	0	0	0	0	15	0	0	0	0
2020-08-06	14:50	15:20	AQ KM 156	>1000	2	0	0	59	0	5	8	0	0	55	0	2
2020-05-02	16:00	16:12	AQ KM 161	300-1000	1	9	0	0	0	0	0	0	0	0	0	10
2020-05-03	9:00	9:30	AQ KM 158	>1000	62	0	0	3	0	0	59	0	3	3	0	0
2020-08-07	9:20	9:50	KM 154	>1000	23	0	0	4	0	0	27	0	0	2	0	0
2020-08-06	10:37	11:07	AQ KM 106	0-50	0	0	0	2	0	0	0	0	0	2	0	0
2020-08-06	10:40	11:10	AQ KM 159	NA	300	8	12	78	0	2	250	2	20	120	4	4
2020-05-12	16:50	17:20	AQ KM 159	300-1000	18	0	0	15	0	0	13	0	0	15	0	0
2020-05-03	8:30	9:00	AQ KM 160	300-1000	4	0	0	3	0	0	5	0	1	1	0	0
2020-05-04	16:10	16:40	AQ KM 160	>1000	0	16	2	0	0	0	0	12	4	0	0	0
2020-04-30	14:20	14:50	AQ KM 160	300-1000	92	3	0	10	2	3	85	0	0	21	2	2
2020-08-09	13:52	13:20	NA	0-50	0	1	0	0	0	0	0	0	0	0	1	0
2020-08-07	9:00	9:11	KM 161	>1000	0	0	0	1	0	0	1	0	0	0	0	0
2020-05-07	14:50	15:20	AQ KM 161	300-1000	7	0	0	0	0	0	6	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2020-05-01	12:30	13:00	AQ Rd KM 126	NA	0	0	0	2	0	0	0	0	0	0	0
2020-05-03	13:00	13:30	AQ KM 126.5	>1000	0	0	1	25	0	0	0	0	0	0	0
2020-05-01	9:50	10:14	AQ Rd KM 127	300-1000	0	0	0	26	0	0	0	0	0	26	0
2020-05-11	12:10	12:31	AQ KM 128	300-1000	2	0	0	0	0	0	0	0	0	0	0
2020-05-02	13:00	13:30	AQ KM 129	NA	10	0	0	1	0	0	9	0	1	1	0
2020-05-03	14:00	14:18	AQ KM 130	300-1000	0	0	0	2	0	0	2	0	0	0	0
2020-04-29	10:20	10:50	AQ Hal Rd KM 130	300-1000	6	6	0	0	0	0	5	6	0	1	0
2020-05-09	13:50	14:20	AQ KM 131	>1000	10	0	1	6	0	0	15	0	0	0	0
2020-05-02	13:40	14:10	AQ KM 132.5	50-100	0	0	0	0	0	1	0	0	0	0	1
2020-05-07	8:49	9:10	AQ KM 133	300-1000	1	0	0	10	0	0	0	0	0	0	0
2020-05-03	14:30	15:00	AQ KM 134.6	NA	21	0	1	6	0	0	18	0	0	5	0
2020-05-07	12:25	12:52	AQ KM 134	>1000	10	0	13	22	0	0	25	0	0	6	0
2020-05-10	9:50	10:20	AQ KM 136	>1000	12	0	0	0	0	0	14	0	0	1	0
2020-05-04	12:50	13:18	AQ KM 136	300-1000	0	0	29	18	0	0	5	0	15	12	0
2020-05-11	13:18	13:30	AQ KM 137	300-1000	0	0	0	0	0	0	NA	NA	NA	NA	NA
2020-05-02	14:25	14:55	AQ KM 136	300-1000	4	0	0	0	0	0	3	0	1	0	0
2020-05-04	15:10	15:19	AQ KM 147	300-1000	3	0	0	0	0	0	3	0	0	1	0
2020-04-29	12:20	12:50	AQ KM 148	50-100	8	0	3	4	0	0	9	0	0	3	0
2020-04-30	8:30	8:37	AQ KM 144	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	9:00	9:30	AQ KM 140	300-1000	0	1	7	10	6	0	0	0	1	20	3
2020-05-03	10:30	10:45	AQ KM 161	>1000	0	0	0	6	0	0	NA	NA	NA	NA	NA
2020-04-30	16:30	17:00	AQ KM 148	>1000	39	5	2	4	2	0	43	5	0	3	1
2020-04-29	11:20	11:50	AQ KM 138	300-1000	27	0	20	50	20	8	15	0	10	50	20
2020-08-07	12:32	13:00	NA	300-1000	0	0	0	314	1	0	0	0	0	427	3
2020-08-06	15:50	16:20	AQ KM 149	>1000	260	20	5	15	0	0	248	38	0	12	2
2020-05-01	15:20	15:50	AQ KM 151	300-1000	8	5	0	0	2	0	6	8	0	0	1
2020-05-06	9:25	9:55	AQ KM 153	>1000	0	15	0	0	0	0	0	15	0	0	0
2020-08-06	14:50	15:20	AQ KM 156	>1000	3	0	0	83	0	0	0	0	0	88	0
2020-05-02	16:00	16:12	AQ KM 161	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	9:00	9:30	AQ KM 158	>1000	56	7	0	2	0	0	54	8	1	2	0
2020-08-07	9:20	9:50	KM 154	>1000	25	0	0	0	0	0	25	3	0	2	0
2020-08-06	10:37	11:07	AQ KM 106	0-50	2	0	0	0	0	0	2	0	0	0	0
2020-08-06	10:40	11:10	AQ KM 159	NA	48	2	0	100	0	0	150	8	12	30	0
2020-05-12	16:50	17:20	AQ KM 159	300-1000	10	0	0	22	0	0	7	0	2	13	0
2020-05-03	8:30	9:00	AQ KM 160	300-1000	7	0	0	0	0	0	6	0	0	1	0
2020-05-04	16:10	16:40	AQ KM 160	>1000	0	15	3	0	0	0	0	18	0	0	0
2020-04-30	14:20	14:50	AQ KM 160	300-1000	94	2	0	11	3	0	103	0	0	6	1
2020-08-09	13:52	13:20	NA	0-50	0	0	1	0	0	0	0	0	1	0	0
2020-08-07	9:00	9:11	KM 161	>1000	0	0	0	0	0	0	NA	NA	NA	NA	NA
2020-05-07	14:50	15:20	AQ KM 161	300-1000	5	0	1	1	0	0	3	0	0	2	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2020-05-01	12:30	13:00	AQ Rd KM 126	NA	0	0	0	2	0	0	0	0	0	0	0
2020-05-03	13:00	13:30	AQ KM 126.5	>1000	0	0	0	0	0	0	0	0	0	0	14
2020-05-01	9:50	10:14	AQ Rd KM 127	300-1000	0	0	0	1	25	0	0	0	0	2	24
2020-05-11	12:10	12:31	AQ KM 128	300-1000	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-02	13:00	13:30	AQ KM 129	NA	0	8	0	0	3	0	0	13	0	0	1
2020-05-03	14:00	14:18	AQ KM 130	300-1000	0	0	0	0	2	0	0	0	0	0	0
2020-04-29	10:20	10:50	AQ Hal Rd KM 130	300-1000	0	4	6	0	2	0	0	3	7	0	0
2020-05-09	13:50	14:20	AQ KM 131	>1000	0	15	0	0	0	0	0	13	2	0	0
2020-05-02	13:40	14:10	AQ KM 132.5	50-100	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-07	8:49	9:10	AQ KM 133	300-1000	0	0	0	0	3	0	0	0	0	0	0
2020-05-03	14:30	15:00	AQ KM 134.6	NA	5	18	0	0	10	0	0	18	0	0	10
2020-05-07	12:25	12:52	AQ KM 134	>1000	0	8	0	0	17	0	0	10	0	0	2
2020-05-10	9:50	10:20	AQ KM 136	>1000	0	20	0	2	6	0	0	32	0	0	0
2020-05-04	12:50	13:18	AQ KM 136	300-1000	0	8	0	0	23	0	1	6	1	0	5
2020-05-11	13:18	13:30	AQ KM 137	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-02	14:25	14:55	AQ KM 136	300-1000	0	0	0	0	0	0	0	4	0	0	0
2020-05-04	15:10	15:19	AQ KM 147	300-1000	0	0	0	0	3	0	0	0	0	0	0
2020-04-29	12:20	12:50	AQ KM 148	50-100	0	7	0	0	4	0	0	10	0	0	3
2020-04-30	8:30	8:37	AQ KM 144	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	9:00	9:30	AQ KM 140	300-1000	0	0	0	0	26	4	0	0	0	6	10
2020-05-03	10:30	10:45	AQ KM 161	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	16:30	17:00	AQ KM 148	>1000	0	35	14	0	2	1	0	29	16	0	5
2020-04-29	11:20	11:50	AQ KM 138	300-1000	0	10	0	0	70	10	5	15	3	0	66
2020-08-07	12:32	13:00	NA	300-1000	0	3	0	0	512	4	0	0	0	0	533
2020-08-06	15:50	16:20	AQ KM 149	>1000	0	200	0	7	22	1	0	150	40	0	8
2020-05-01	15:20	15:50	AQ KM 151	300-1000	0	5	8	2	0	0	0	4	10	0	1
2020-05-06	9:25	9:55	AQ KM 153	>1000	0	0	15	0	0	0	0	0	15	0	0
2020-08-06	14:50	15:20	AQ KM 156	>1000	10	0	0	0	35	0	2	0	0	0	48
2020-05-02	16:00	16:12	AQ KM 161	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	9:00	9:30	AQ KM 158	>1000	0	50	6	1	3	0	0	32	3	2	2
2020-08-07	9:20	9:50	KM 154	>1000	0	21	4	2	0	0	0	20	0	0	7
2020-08-06	10:37	11:07	AQ KM 106	0-50	0	0	0	0	2	0	0	0	0	0	2
2020-08-06	10:40	11:10	AQ KM 159	NA	0	83	4	1	7	0	0	67	3	1	2
2020-05-12	16:50	17:20	AQ KM 159	300-1000	0	16	0	5	0	0	0	17	0	3	1
2020-05-03	8:30	9:00	AQ KM 160	300-1000	0	5	0	0	2	0	0	7	0	0	0
2020-05-04	16:10	16:40	AQ KM 160	>1000	0	0	17	0	1	0	0	0	18	0	0
2020-04-30	14:20	14:50	AQ KM 160	300-1000	0	90	0	0	18	2	0	73	0	0	34
2020-08-09	13:52	13:20	NA	0-50	0	0	0	1	0	0	0	0	0	0	1
2020-08-07	9:00	9:11	KM 161	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-07	14:50	15:20	AQ KM 161	300-1000	0	3	0	0	1	0	0	0	0	0	1

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2020-05-01	12:30	13:00	AQ Rd KM 126	NA	0	2	2	0	0	0	0	0	0	0	0
2020-05-03	13:00	13:30	AQ KM 126.5	>1000	0	0	0	0	0	24	0	0	0	0	1
2020-05-01	9:50	10:14	AQ Rd KM 127	300-1000	0	0	0	0	0	12	0	0	NA	NA	NA
2020-05-11	12:10	12:31	AQ KM 128	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-02	13:00	13:30	AQ KM 129	NA	0	0	14	0	1	2	1	0	15	0	1
2020-05-03	14:00	14:18	AQ KM 130	300-1000	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-29	10:20	10:50	AQ Hal Rd KM 130	300-1000	2	0	3	7	0	0	2	0	5	7	0
2020-05-09	13:50	14:20	AQ KM 131	>1000	0	0	16	2	0	0	0	0	18	2	0
2020-05-02	13:40	14:10	AQ KM 132.5	50-100	NA	NA	0	0	0	0	0	1	0	0	0
2020-05-07	8:49	9:10	AQ KM 133	300-1000	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	14:30	15:00	AQ KM 134.6	NA	0	0	16	0	2	10	0	0	13	0	3
2020-05-07	12:25	12:52	AQ KM 134	>1000	0	0	0	0	0	0	0	0	0	0	0
2020-05-10	9:50	10:20	AQ KM 136	>1000	0	0	~31	0	1	0	0	0	32	0	0
2020-05-04	12:50	13:18	AQ KM 136	300-1000	0	0	5	0	0	4	0	0	0	0	0
2020-05-11	13:18	13:30	AQ KM 137	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-02	14:25	14:55	AQ KM 136	300-1000	0	0	3	0	0	1	0	0	4	0	0
2020-05-04	15:10	15:19	AQ KM 147	300-1000	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-29	12:20	12:50	AQ KM 148	50-100	2	0	12	0	0	5	0	0	10	0	5
2020-04-30	8:30	8:37	AQ KM 144	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	9:00	9:30	AQ KM 140	300-1000	3	0	2	0	4	8	2	0	6	0	8
2020-05-03	10:30	10:45	AQ KM 161	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	16:30	17:00	AQ KM 148	>1000	2	0	16	34	2	0	0	0	12	36	0
2020-04-29	11:20	11:50	AQ KM 138	300-1000	6	5	13	0	0	16	4	0	4	0	0
2020-08-07	12:32	13:00	NA	300-1000	3	0	25	0	75	430	2	0	50	0	100
2020-08-06	15:50	16:20	AQ KM 149	>1000	2	0	140	52	3	3	2	0	125	32	0
2020-05-01	15:20	15:50	AQ KM 151	300-1000	0	0	3	10	2	0	0	0	4	10	1
2020-05-06	9:25	9:55	AQ KM 153	>1000	0	0	0	15	0	0	0	0	0	15	0
2020-08-06	14:50	15:20	AQ KM 156	>1000	0	0	0	0	0	25	0	1	0	0	0
2020-05-02	16:00	16:12	AQ KM 161	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	9:00	9:30	AQ KM 158	>1000	1	0	24	2	0	0	0	0	21	2	2
2020-08-07	9:20	9:50	KM 154	>1000	1	0	19	0	0	14	1	0	14	0	0
2020-08-06	10:37	11:07	AQ KM 106	0-50	0	0	0	0	0	1	1	0	2	0	0
2020-08-06	10:40	11:10	AQ KM 159	NA	0	0	61	5	2	4	0	0	40	6	1
2020-05-12	16:50	17:20	AQ KM 159	300-1000	0	0	19	0	1	1	0	0	5	0	14
2020-05-03	8:30	9:00	AQ KM 160	300-1000	0	0	7	0	1	0	0	0	5	0	0
2020-05-04	16:10	16:40	AQ KM 160	>1000	0	0	0	18	0	0	0	0	0	18	0
2020-04-30	14:20	14:50	AQ KM 160	300-1000	3	0	16	0	0	86	8	0	NA	NA	NA
2020-08-09	13:52	13:20	NA	0-50	0	0	1	0	0	0	0	0	1	0	0
2020-08-07	9:00	9:11	KM 161	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-07	14:50	15:20	AQ KM 161	300-1000	0	0	0	0	3	1	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2020-05-01	12:30	13:00	AQ Rd KM 126	NA	2	0	0	2	0	0	0	0	0
2020-05-03	13:00	13:30	AQ KM 126.5	>1000	35	0	0	0	0	0	36	0	0
2020-05-01	9:50	10:14	AQ Rd KM 127	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-11	12:10	12:31	AQ KM 128	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-02	13:00	13:30	AQ KM 129	NA	4	0	0	16	0	0	2	0	0
2020-05-03	14:00	14:18	AQ KM 130	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-29	10:20	10:50	AQ Hal Rd KM 130	300-1000	0	0	0	4	7	0	1	0	0
2020-05-09	13:50	14:20	AQ KM 131	>1000	0	0	0	18	2	0	0	0	0
2020-05-02	13:40	14:10	AQ KM 132.5	50-100	1	0	0	1	0	0	0	0	0
2020-05-07	8:49	9:10	AQ KM 133	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	14:30	15:00	AQ KM 134.6	NA	12	0	0	18	0	0	10	0	0
2020-05-07	12:25	12:52	AQ KM 134	>1000	0	0	0	NA	NA	NA	NA	NA	NA
2020-05-10	9:50	10:20	AQ KM 136	>1000	0	0	0	32	0	0	0	0	0
2020-05-04	12:50	13:18	AQ KM 136	300-1000	0	0	6	NA	NA	NA	NA	NA	NA
2020-05-11	13:18	13:30	AQ KM 137	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-02	14:25	14:55	AQ KM 136	300-1000	0	0	0	3	0	1	0	0	0
2020-05-04	15:10	15:19	AQ KM 147	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-29	12:20	12:50	AQ KM 148	50-100	0	1	0	9	0	0	4	1	0
2020-04-30	8:30	8:37	AQ KM 144	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	9:00	9:30	AQ KM 140	300-1000	12	2	0	12	2	4	6	4	0
2020-05-03	10:30	10:45	AQ KM 161	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	16:30	17:00	AQ KM 148	>1000	4	2	0	14	36	0	2	0	0
2020-04-29	11:20	11:50	AQ KM 138	300-1000	62	7	3	12	0	0	80	5	4
2020-08-07	12:32	13:00	NA	300-1000	377	6	0	4	0	4	528	1	0
2020-08-06	15:50	16:20	AQ KM 149	>1000	41	2	0	166	20	8	6	4	0
2020-05-01	15:20	15:50	AQ KM 151	300-1000	0	0	0	3	10	2	0	0	0
2020-05-06	9:25	9:55	AQ KM 153	>1000	0	0	0	0	15	0	0	0	0
2020-08-06	14:50	15:20	AQ KM 156	>1000	10	0	0	0	0	0	2	0	0
2020-05-02	16:00	16:12	AQ KM 161	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	9:00	9:30	AQ KM 158	>1000	1	2	0	22	2	1	1	0	0
2020-08-07	9:20	9:50	KM 154	>1000	28	0	0	8	0	2	35	0	0
2020-08-06	10:37	11:07	AQ KM 106	0-50	0	0	0	0	0	0	2	0	0
2020-08-06	10:40	11:10	AQ KM 159	NA	11	0	0	15	8	1	0	2	0
2020-05-12	16:50	17:20	AQ KM 159	300-1000	2	0	0	12	0	1	9	0	0
2020-05-03	8:30	9:00	AQ KM 160	300-1000	2	0	0	7	0	0	0	0	0
2020-05-04	16:10	16:40	AQ KM 160	>1000	0	0	0	0	18	0	0	0	0
2020-04-30	14:20	14:50	AQ KM 160	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-09	13:52	13:20	NA	0-50	0	0	0	0	0	0	0	0	0
2020-08-07	9:00	9:11	KM 161	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-07	14:50	15:20	AQ KM 161	300-1000	4	0	0	0	0	0	3	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2020-05-01	12:30	13:00	AQ Rd KM 126	NA	NA	NA	NA	NA	NA	NA
2020-05-03	13:00	13:30	AQ KM 126.5	>1000	NA	NA	NA	NA	NA	NA
2020-05-01	9:50	10:14	AQ Rd KM 127	300-1000	NA	NA	NA	NA	NA	NA
2020-05-11	12:10	12:31	AQ KM 128	300-1000	Haul truck	NA	NA	NA	NA	Haul truck
2020-05-02	13:00	13:30	AQ KM 129	NA	NA	NA	NA	NA	NA	NA
2020-05-03	14:00	14:18	AQ KM 130	300-1000	NA	NA	NA	NA	NA	NA
2020-04-29	10:20	10:50	AQ Hal Rd KM 130	300-1000	NA	NA	NA	NA	NA	NA
2020-05-09	13:50	14:20	AQ KM 131	>1000	NA	NA	NA	NA	NA	Haul truck
2020-05-02	13:40	14:10	AQ KM 132.5	50-100	NA	NA	NA	NA	NA	NA
2020-05-07	8:49	9:10	AQ KM 133	300-1000	NA	NA	NA	NA	Light truck	Light truck
2020-05-03	14:30	15:00	AQ KM 134.6	NA	NA	NA	NA	NA	NA	NA
2020-05-07	12:25	12:52	AQ KM 134	>1000	Haul truck	NA	NA	NA	NA	Haul truck
2020-05-10	9:50	10:20	AQ KM 136	>1000	NA	NA	NA	Light truck	NA	NA
2020-05-04	12:50	13:18	AQ KM 136	300-1000	NA	NA	NA	NA	NA	NA
2020-05-11	13:18	13:30	AQ KM 137	300-1000	NA	Road maintenance vehicle	NA	NA	NA	NA
2020-05-02	14:25	14:55	AQ KM 136	300-1000	NA	NA	NA	NA	NA	NA
2020-05-04	15:10	15:19	AQ KM 147	300-1000	NA	NA	NA	NA	NA	NA
2020-04-29	12:20	12:50	AQ KM 148	50-100	NA	NA	NA	NA	NA	NA
2020-04-30	8:30	8:37	AQ KM 144	100-300	Light truck	NA	Light truck	NA	NA	NA
2020-04-30	9:00	9:30	AQ KM 140	300-1000	NA	Haul truck	NA	NA	NA	Light truck
2020-05-03	10:30	10:45	AQ KM 161	>1000	NA	NA	NA	NA	NA	NA
2020-04-30	16:30	17:00	AQ KM 148	>1000	NA	Light truck	NA	NA	NA	NA
2020-04-29	11:20	11:50	AQ KM 138	300-1000	NA	NA	Light truck	NA	NA	NA
2020-08-07	12:32	13:00	NA	300-1000	NA	NA	NA	NA	NA	Light truck
2020-08-06	15:50	16:20	AQ KM 149	>1000	NA	NA	NA	NA	NA	NA
2020-05-01	15:20	15:50	AQ KM 151	300-1000	NA	NA	NA	NA	NA	NA
2020-05-06	9:25	9:55	AQ KM 153	>1000	NA	NA	NA	NA	NA	Light truck
2020-08-06	14:50	15:20	AQ KM 156	>1000	NA	Helicopter	NA	NA	NA	NA
2020-05-02	16:00	16:12	AQ KM 161	300-1000	NA	NA	NA	Convoy	NA	NA
2020-05-03	9:00	9:30	AQ KM 158	>1000	NA	NA	NA	NA	NA	NA
2020-08-07	9:20	9:50	KM 154	>1000	NA	NA	NA	NA	NA	NA
2020-08-06	10:37	11:07	AQ KM 106	0-50	NA	NA	NA	NA	NA	NA
2020-08-06	10:40	11:10	AQ KM 159	NA	NA	NA	NA	NA	NA	NA
2020-05-12	16:50	17:20	AQ KM 159	300-1000	NA	NA	NA	NA	NA	NA
2020-05-03	8:30	9:00	AQ KM 160	300-1000	NA	NA	NA	NA	NA	NA
2020-05-04	16:10	16:40	AQ KM 160	>1000	NA	NA	NA	NA	NA	NA
2020-04-30	14:20	14:50	AQ KM 160	300-1000	NA	NA	NA	Bus	Bus	NA
2020-08-09	13:52	13:20	NA	0-50	NA	NA	NA	NA	NA	NA
2020-08-07	9:00	9:11	KM 161	>1000	NA	NA	NA	NA	NA	NA
2020-05-07	14:50	15:20	AQ KM 161	300-1000	NA	NA	Haul truck	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2020-05-01	12:30	13:00	AQ Rd KM 126	NA	NA	NA	NA	NA	NA	2020	-96.1051	65.14147	NA
2020-05-03	13:00	13:30	AQ KM 126.5	>1000	NA	NA	NA	NA	NA	2020	-96.1108	65.1481	NA
2020-05-01	9:50	10:14	AQ Rd KM 127	300-1000	NA	NA	NA	NA	NA	2020	-96.1261	65.15404	NA
2020-05-11	12:10	12:31	AQ KM 128	300-1000	NA	NA	NA	NA	NA	2020	-96.1436	65.16596	NA
2020-05-02	13:00	13:30	AQ KM 129	NA	NA	NA	NA	NA	NA	2020	-96.1461	65.16955	NA
2020-05-03	14:00	14:18	AQ KM 130	300-1000	NA	NA	NA	NA	NA	2020	-96.1542	65.17925	NA
2020-04-29	10:20	10:50	AQ Hal Rd KM 130	300-1000	NA	NA	NA	NA	NA	2020	-96.1592	65.18238	NA
2020-05-09	13:50	14:20	AQ KM 131	>1000	NA	Haul truck	Haul truck	NA	Haul truck	2020	-96.1604	65.18523	NA
2020-05-02	13:40	14:10	AQ KM 132.5	50-100	NA	NA	NA	NA	NA	2020	-96.1643	65.19579	NA
2020-05-07	8:49	9:10	AQ KM 133	300-1000	Haul truck	NA	NA	NA	NA	2020	-96.1646	65.19599	NA
2020-05-03	14:30	15:00	AQ KM 134.6	NA	NA	NA	NA	NA	NA	2020	-96.1804	65.19973	NA
2020-05-07	12:25	12:52	AQ KM 134	>1000	NA	NA	Haul truck	NA	NA	2020	-96.1824	65.20059	NA
2020-05-10	9:50	10:20	AQ KM 136	>1000	NA	NA	NA	Haul truck	NA	2020	-96.2249	65.21218	NA
2020-05-04	12:50	13:18	AQ KM 136	300-1000	NA	NA	NA	Light truck	NA	2020	-96.2275	65.21262	NA
2020-05-11	13:18	13:30	AQ KM 137	300-1000	NA	NA	NA	NA	NA	2020	-96.2427	65.2129	NA
2020-05-02	14:25	14:55	AQ KM 136	300-1000	NA	NA	NA	Grader	NA	2020	-96.2336	65.21606	NA
2020-05-04	15:10	15:19	AQ KM 147	300-1000	NA	NA	NA	NA	NA	2020	-96.4263	65.22214	NA
2020-04-29	12:20	12:50	AQ KM 148	50-100	NA	NA	NA	NA	NA	2020	-96.442	65.22313	NA
2020-04-30	8:30	8:37	AQ KM 144	100-300	NA	NA	NA	NA	NA	2020	-96.3707	65.22281	NA
2020-04-30	9:00	9:30	AQ KM 140	300-1000	Light truck	NA	NA	NA	Tractor trailer	2020	-96.2518	65.22157	NA
2020-05-03	10:30	10:45	AQ KM 161	>1000	NA	NA	NA	NA	NA	2020	-96.2552	65.22248	NA
2020-04-30	16:30	17:00	AQ KM 148	>1000	NA	NA	NA	NA	NA	2020	-96.3958	65.22618	NA
2020-04-29	11:20	11:50	AQ KM 138	300-1000	NA	NA	NA	NA	NA	2020	-96.2641	65.22479	NA
2020-08-07	12:32	13:00	NA	300-1000	NA	Light truck	NA	NA	NA	2020	-96.4668	65.23247	NA
2020-08-06	15:50	16:20	AQ KM 149	>1000	NA	NA	NA	Light truck	NA	2020	-96.4686	65.23646	NA
2020-05-01	15:20	15:50	AQ KM 151	300-1000	NA	NA	NA	NA	NA	2020	-96.4751	65.24053	NA
2020-05-06	9:25	9:55	AQ KM 153	>1000	NA	NA	NA	NA	NA	2020	-96.4751	65.2406	NA
2020-08-06	14:50	15:20	AQ KM 156	>1000	NA	NA	NA	NA	NA	2020	-96.4045	65.27556	NA
2020-05-02	16:00	16:12	AQ KM 161	300-1000	NA	NA	NA	NA	NA	2020	-96.4089	65.28358	NA
2020-05-03	9:00	9:30	AQ KM 158	>1000	NA	NA	NA	NA	NA	2020	-96.4127	65.28547	NA
2020-08-07	9:20	9:50	KM 154	>1000	NA	NA	NA	Helicopter	NA	2020	-96.4088	65.28592	NA
2020-08-06	10:37	11:07	AQ KM 106	0-50	NA	NA	NA	NA	NA	2020	-96.4139	65.29316	NA
2020-08-06	10:40	11:10	AQ KM 159	NA	NA	NA	NA	NA	NA	2020	-96.4139	65.29316	NA
2020-05-12	16:50	17:20	AQ KM 159	300-1000	NA	NA	NA	NA	Haul truck	2020	-96.4134	65.2966	NA
2020-05-03	8:30	9:00	AQ KM 160	300-1000	NA	NA	NA	NA	NA	2020	-96.4127	65.29738	NA
2020-05-04	16:10	16:40	AQ KM 160	>1000	NA	NA	NA	Light truck	NA	2020	-96.4119	65.30093	NA
2020-04-30	14:20	14:50	AQ KM 160	300-1000	Light truck	Haul truck	NA	NA	NA	2020	-96.4122	65.30462	NA
2020-08-09	13:52	13:20	NA	0-50	NA	Fuel truck	NA	NA	NA	2020	-96.412	65.30469	NA
2020-08-07	9:00	9:11	KM 161	>1000	NA	NA	NA	NA	NA	2020	-96.4141	65.30902	NA
2020-05-07	14:50	15:20	AQ KM 161	300-1000	NA	NA	Haul truck	NA	NA	2020	-96.4145	65.30961	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2020-05-01	16:50	17:00	AQ Rd KM 162	100-300	K.P	NA	NA	NA	No	62	-12	10	NW	NA
2020-05-03	7:40	8:10	AQ KM 161	>1000	K.P	NA	NA	West	No	11	-10	17	NE	77
2020-04-29	13:45	14:00	AQ KM 163	300-1000	K.P	NA	NA	West	No	10	-4	35	NE	NA
2020-05-03	16:40	15:01	AQ KM 168	300-1000	K.P	NA	NA	East	No	2	-5.5	26	NE	85
2020-04-30	11:30	12:00	AQ KM 167	300-1000	K.P	NA	NA	NA	No	20	NA	NA	NA	NA
2020-04-29	16:15	16:33	AQ KM 173	>1000	K.P	NA	NA	West	No	23	-3	30	NE	NA
2020-04-30	12:20	12:50	AQ KM 175	100-300	K.P	NA	NA	NA	No	2	NA	25	N	NA
2020-04-29	14:40	15:10	AQ KM 175	>1000	K.P	NA	NA	West	No	21	-4	21	NE	NA
2020-05-14	16:30	17:00	AQ KM 175	300-1000	J.B	NA	NA	West	No	4	-5	2.5	N	58
2020-05-06	7:20	7:50	AQ KM 160	>1000	K.P	NA	NA	NA	No	2	-20	28	NNE	61
2020-05-06	7:23	7:53	AQ KM 176	300-1000	J.B	NA	NA	West	No	21	-20	28	N	61
2020-05-06	17:10	17:40	AQ KM 176	>1000	J.B/K.P	NA	NA	NA	No	32	NA	NA	NA	NA
2020-05-06	17:20	17:50	NA	300-1000	J.B/K.P	NA	NA	West	No	34	NA	NA	NA	NA
2020-05-02	7:00	7:30	KM 175	300-1000	K.P	NA	NA	West	No	52	NA	NA	NA	NA
2020-05-11	16:15	16:45	AQ KM 177	300-1000	J.B	NA	NA	West	No	50-100	-3	10	N	50
2020-08-06	11:25	11:55	AQ KM 166	NA	K.P	NA	NA	NA	No	~300	17	35	SE	NA
2020-08-16	16:00	16:30	AWAR KM 89	300-1000	K.P	NA	NA	West	No	2	7	50	NE	NA
2020-08-22	13:11	13:41	AWAR KM 15	300-1000	C.G.P	NA	NA	East	No	29	9	18	NW	59
2020-11-08	12:10	12:40	AWAR KM 54	300-1000	S.K.	NA	SW	West	No	350	-16	7	N	80
2020-11-08	11:22	11:52	AWAR KM 60	100-300	S.K.	NA	E	East	No	135	-18	11	N	80
2020-11-09	9:50	10:20	AWAR KM 57	50-100	S.K.	NA	W	West	No	52	-8	15	SW	91
2020-11-18	10:22	10:39	AWAR KM 80	100-300	S.K.	NA	NA	East	No	27	-17	NA	NA	NA
2020-11-19	11:17	11:45	AWAR KM 64	100-300	S.K.	NA	NA	East	No	39	-23	6	WSW	72
2020-11-12	11:00	11:12	AWAR KM 77	>1000	K.P.	NA	NA	East	No	52	-21	10	NW	70
2020-11-13	11:20	11:50	AWAR KM 58	>1000	K.P.	NA	NA	East	No	212	-14	20	NW	78
2020-11-14	9:30	10:00	AWAR KM 50	300-1000	K.P.	NA	NA	East	No	27	-22	27	NW	70
2020-11-14	10:20	10:50	AWAR KM 53	>1000	K.P.	NA	NA	East	No	170	-22	27	NW	70
2020-11-14	11:20	11:50	AWAR KM 46	>1000	K.P.	NA	NA	East	No	28	-22	27	NW	70
2020-11-14	12:23	12:53	AWAR KM 50.5	>1000	K.P.	NA	NA	East	No	123	-24	27	NW	70
2020-11-14	13:45	14:15	AWAR KM 56	300-1000	K.P.	NA	NA	East	No	41	-24	27	NW	70
2020-11-15	15:03	15:33	AWAR KM 75	>1000	K.P.	NA	NA	NA	No	31	-26	12	SE	69
2020-11-15	10:00	10:30	AWAR KM 50	>1000	K.P.	NA	NA	West	No	29	31	12	SE	69
2021-03-31	9:41	10:11	Amaruq KM 119	>1000	EF	NA	NA	West	No	62	-18	22	NA	NA
2021-04-06	16:17	16:45	AWAR KM 72	300-1000	Kathleen, Krista Kenyon	NA	3	West	No	16	-13	30	NA	NA
2021-04-07	10:13	10:50	AWAR KM 97	300-1000	Louis Dubois	NA	90	West	No	52	-17	46	NA	NA
2021-04-08	13:46	14:18	AWAR KM 103	0-50	Louis Dubois	NA	90	West	No	18	-15	33	NA	NA
2021-04-12	16:29	17:05	AWAR KM (NA)	300-1000	Krista Kenyon	NA	270	East	No	12	NA	NA	NA	NA
2021-04-13	9:13	9:51	AWAR KM 53	300-1000	Louis Dubois	NA	90	West	No	63	-26	8	NA	NA
2021-04-13	9:23	9:54	AWAR KM 82	>1000	KAK	NA	270	West	No	11	-24	20	NA	NA
2021-04-13	11:36	12:10	AWAR KM 57	300-1000	KAK	NA	90	West	No	72	-19	37	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2020-05-01	16:50	17:00	AQ Rd KM 162	100-300	NA	NA	100	NA	
2020-05-03	7:40	8:10	AQ KM 161	>1000	1	White out, light snow	500 west, 0 east	NA	NA
2020-04-29	13:45	14:00	AQ KM 163	300-1000	1	Windy, drifting snow	NA	NA	NA
2020-05-03	16:40	15:01	AQ KM 168	300-1000	NA	NA	NA	NA	NA
2020-04-30	11:30	12:00	AQ KM 167	300-1000	1	Drifting snow, good visibility, sunny	400 west, 0 east	NA	None
2020-04-29	16:15	16:33	AQ KM 173	>1000	1	Snowy, windy	NA	NA	NA
2020-04-30	12:20	12:50	AQ KM 175	100-300	1	Sunny, windy	100 west, 0 east	NA	None
2020-04-29	14:40	15:10	AQ KM 175	>1000	1	Snowy	Almost flat	NA	NA
2020-05-14	16:30	17:00	AQ KM 175	300-1000	NA	Partly cloudy	1000	NA	None
2020-05-06	7:20	7:50	AQ KM 160	>1000	1	NA	200 west, 0 east	200	None
2020-05-06	7:23	7:53	AQ KM 176	300-1000	NA	NA	300-400	NA	None
2020-05-06	17:10	17:40	AQ KM 176	>1000	1	NA	100 west, 0 east	NA	NA
2020-05-06	17:20	17:50	NA	300-1000	NA	NA	NA	NA	NA
2020-05-02	7:00	7:30	KM 175	300-1000	NA	NA	NA	NA	NA
2020-05-11	16:15	16:45	AQ KM 177	300-1000	NA	Cloudy	~1000	NA	None
2020-08-06	11:25	11:55	AQ KM 166	NA	NA	Started to rain, overcast	NA	NA	NA
2020-08-16	16:00	16:30	AWAR KM 89	300-1000	0	NA	NA	NA	None
2020-08-22	13:11	13:41	AWAR KM 15	300-1000	NA	NA	NA	NA	NA
2020-11-08	12:10	12:40	AWAR KM 54	300-1000	4	Sunny, light clouds	100	600	None
2020-11-08	11:22	11:52	AWAR KM 60	100-300	4	Sunny	100	600	None
2020-11-09	9:50	10:20	AWAR KM 57	50-100	5	White out, visibility 50 m minimum, 300 m maximum	100	600	None
2020-11-18	10:22	10:39	AWAR KM 80	100-300	NA	NA	100	700	None
2020-11-19	11:17	11:45	AWAR KM 64	100-300	NA	Partly cloudy	100	700	None
2020-11-12	11:00	11:12	AWAR KM 77	>1000	1	NA	100	800	None
2020-11-13	11:20	11:50	AWAR KM 58	>1000	0	Drifting snow/overcast	50	500	None
2020-11-14	9:30	10:00	AWAR KM 50	300-1000	1	Overcast, -38 windchill	125	400	Bridge at KM 49
2020-11-14	10:20	10:50	AWAR KM 53	>1000	1	Overcast, -38 windchill	50	500	None
2020-11-14	11:20	11:50	AWAR KM 46	>1000	2	1/2 overcast, sunny, increasing wind, -38 windchill	200	800	Quarry
2020-11-14	12:23	12:53	AWAR KM 50.5	>1000	1	Clearing sky, -38 windchill	0	600	None
2020-11-14	13:45	14:15	AWAR KM 56	300-1000	1	Clear and sunny, -38 windchill	25	600	None
2020-11-15	15:03	15:33	AWAR KM 75	>1000	2	Setting sun, overcast	0	10	None
2020-11-15	10:00	10:30	AWAR KM 50	>1000	2	NA	100	500	Bridge at KM 49
2021-03-31	9:41	10:11	Amaruq KM 119	>1000	0	Cloudy, windy	NA	NA	Bridge at KM 119
2021-04-06	16:17	16:45	AWAR KM 72	300-1000	0	Sunny in the morning, got cloudy around 13:00	0	6	None
2021-04-07	10:13	10:50	AWAR KM 97	300-1000	NA	NA	NA	NA	NA
2021-04-08	13:46	14:18	AWAR KM 103	0-50	1	NA	0	NA	Flags
2021-04-12	16:29	17:05	AWAR KM (NA)	300-1000	NA	NA	NA	NA	NA
2021-04-13	9:13	9:51	AWAR KM 53	300-1000	3	NA	0	0	Flags
2021-04-13	9:23	9:54	AWAR KM 82	>1000	2	Sunny	0	6	None
2021-04-13	11:36	12:10	AWAR KM 57	300-1000	2	Overcast, clear Weather shifted at start of survey. Visibility dropped and some snow is drifting low over the road. Subsampled to what group was clearly visible.	0	6	None

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2020-05-01	16:50	17:00	AQ Rd KM 162	100-300	53	0	3	5	1	0	0	0	2	45	5	10
2020-05-03	7:40	8:10	AQ KM 161	>1000	0	0	2	9	0	0	1	0	1	9	0	0
2020-04-29	13:45	14:00	AQ KM 163	300-1000	0	0	0	10	0	0	0	0	0	2	8	0
2020-05-03	16:40	15:01	AQ KM 168	300-1000	2	0	0	0	0	0	2	0	0	0	0	0
2020-04-30	11:30	12:00	AQ KM 167	300-1000	18	1	0	0	1	0	17	1	0	0	2	0
2020-04-29	16:15	16:33	AQ KM 173	>1000	0	0	0	23	0	0	0	0	0	23	0	0
2020-04-30	12:20	12:50	AQ KM 175	100-300	1	0	0	0	1	0	0	2	0	0	0	0
2020-04-29	14:40	15:10	AQ KM 175	>1000	4	0	3	8	0	0	4	0	1	9	1	0
2020-05-14	16:30	17:00	AQ KM 175	300-1000	1	2	0	1	0	0	1	2	1	0	0	0
2020-05-06	7:20	7:50	AQ KM 160	>1000	0	2	0	0	0	0	0	2	0	0	0	0
2020-05-06	7:23	7:53	AQ KM 176	300-1000	0	19	2	0	0	0	0	21	0	0	0	0
2020-05-06	17:10	17:40	AQ KM 176	>1000	29	2	0	1	0	0	25	1	5	1	0	0
2020-05-06	17:20	17:50	NA	300-1000	0	0	0	34	0	0	4	0	0	30	0	0
2020-05-02	7:00	7:30	KM 175	300-1000	38	0	5	2	0	0	31	0	0	21	0	0
2020-05-11	16:15	16:45	AQ KM 177	300-1000	40	43	1	1	0	0	40	40	1	15	0	0
2020-08-06	11:25	11:55	AQ KM 166	NA	50	0	0	240	4	6	10	0	0	240	2	4
2020-08-16	16:00	16:30	AWAR KM 89	300-1000	2	0	0	0	0	0	2	0	0	0	0	0
2020-08-22	13:11	13:41	AWAR KM 15	300-1000	0	0	0	29	0	0	0	0	0	0	0	29
2020-11-08	12:10	12:40	AWAR KM 54	300-1000	337	0	5	8	0	0	342	0	3	4	1	0
2020-11-08	11:22	11:52	AWAR KM 60	100-300	15	0	9	36	2	0	23	0	5	23	12	12
2020-11-09	9:50	10:20	AWAR KM 57	50-100	33	0	1	0	0	0	34	0	0	0	0	0
2020-11-18	10:22	10:39	AWAR KM 80	100-300	0	0	0	26	1	0	0	0	0	27	0	0
2020-11-19	11:17	11:45	AWAR KM 64	100-300	0	0	3	36	0	0	3	0	4	32	0	0
2020-11-12	11:00	11:12	AWAR KM 77	>1000	40	0	2	0	0	0	38	0	1	3	0	0
2020-11-13	11:20	11:50	AWAR KM 58	>1000	205	0	3	4	0	0	198	2	1	11	0	0
2020-11-14	9:30	10:00	AWAR KM 50	300-1000	25	2	0	0	0	0	25	2	0	0	0	0
2020-11-14	10:20	10:50	AWAR KM 53	>1000	62	0	3	0	0	0	65	0	4	6	0	0
2020-11-14	11:20	11:50	AWAR KM 46	>1000	27	0	0	1	0	0	26	0	0	2	0	0
2020-11-14	12:23	12:53	AWAR KM 50.5	>1000	30	0	0	2	0	0	29	0	0	3	0	0
2020-11-14	13:45	14:15	AWAR KM 56	300-1000	27	0	1	0	3	0	24	0	2	4	1	0
2020-11-15	15:03	15:33	AWAR KM 75	>1000	0	0	0	31	0	0	0	0	0	31	0	0
2020-11-15	10:00	10:30	AWAR KM 50	>1000	22	7	0	0	0	0	21	6	1	1	0	0
2021-03-31	9:41	10:11	Amaruq KM 119	>1000	8	0	0	0	0	0	8	0	0	0	0	0
2021-04-06	16:17	16:45	AWAR KM 72	300-1000	0	0	0	16	0	0	0	0	0	16	0	0
2021-04-07	10:13	10:50	AWAR KM 97	300-1000	0	51	0	0	1	0	0	52	0	0	0	0
2021-04-08	13:46	14:18	AWAR KM 103	0-50	18	0	0	0	0	0	18	0	0	0	0	0
2021-04-12	16:29	17:05	AWAR KM (NA)	300-1000	0	0	2	10	0	0	10	0	0	2	0	0
2021-04-13	9:13	9:51	AWAR KM 53	300-1000	5	1	4	18	0	0	0	0	4	19	0	0
2021-04-13	9:23	9:54	AWAR KM 82	>1000	7	0	0	0	0	0	7	0	0	0	0	0
2021-04-13	11:36	12:10	AWAR KM 57	300-1000	1	28	0	0	0	0	1	28	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2020-05-01	16:50	17:00	AQ Rd KM 162	100-300	0	0	4	56	2	0	NA	NA	NA	NA	NA	NA
2020-05-03	7:40	8:10	AQ KM 161	>1000	0	0	0	11	0	0	0	0	0	11	0	0
2020-04-29	13:45	14:00	AQ KM 163	300-1000	0	0	0	9	1	0	0	0	0	0	0	0
2020-05-03	16:40	15:01	AQ KM 168	300-1000	0	0	0	2	0	0	0	0	0	2	0	0
2020-04-30	11:30	12:00	AQ KM 167	300-1000	17	0	0	0	3	0	19	0	0	0	1	0
2020-04-29	16:15	16:33	AQ KM 173	>1000	0	0	0	19	0	4	0	0	18	5	0	0
2020-04-30	12:20	12:50	AQ KM 175	100-300	0	2	0	0	0	0	0	2	0	0	0	0
2020-04-29	14:40	15:10	AQ KM 175	>1000	6	0	1	6	2	0	14	0	0	0	1	0
2020-05-14	16:30	17:00	AQ KM 175	300-1000	2	2	0	0	0	0	1	0	0	3	0	0
2020-05-06	7:20	7:50	AQ KM 160	>1000	0	2	0	0	0	0	0	2	0	0	0	0
2020-05-06	7:23	7:53	AQ KM 176	300-1000	0	21	0	0	0	0	0	11	10	0	0	0
2020-05-06	17:10	17:40	AQ KM 176	>1000	30	0	0	2	0	0	28	0	2	2	0	0
2020-05-06	17:20	17:50	NA	300-1000	0	0	0	34	0	0	0	0	3	31	0	0
2020-05-02	7:00	7:30	KM 175	300-1000	27	0	1	23	4	0	22	0	0	27	3	0
2020-05-11	16:15	16:45	AQ KM 177	300-1000	25	0	0	75	0	0	50	0	0	50	0	0
2020-08-06	11:25	11:55	AQ KM 166	NA	2	0	6	280	0	8	50	0	2	240	2	0
2020-08-16	16:00	16:30	AWAR KM 89	300-1000	1	0	0	1	0	0	0	0	0	2	0	0
2020-08-22	13:11	13:41	AWAR KM 15	300-1000	0	0	0	29	0	0	0	0	0	29	0	0
2020-11-08	12:10	12:40	AWAR KM 54	300-1000	340	0	5	3	2	0	306	0	31	8	5	0
2020-11-08	11:22	11:52	AWAR KM 60	100-300	25	0	17	57	6	0	47	0	11	24	15	3
2020-11-09	9:50	10:20	AWAR KM 57	50-100	28	0	1	5	0	0	34	0	0	0	0	0
2020-11-18	10:22	10:39	AWAR KM 80	100-300	0	0	3	23	0	1	3	0	2	22	0	0
2020-11-19	11:17	11:45	AWAR KM 64	100-300	0	0	0	39	0	0	39	0	0	0	0	0
2020-11-12	11:00	11:12	AWAR KM 77	>1000	34	3	2	2	1	0	34	7	2	1	1	0
2020-11-13	11:20	11:50	AWAR KM 58	>1000	184	0	2	26	0	0	185	0	3	24	0	0
2020-11-14	9:30	10:00	AWAR KM 50	300-1000	26	1	0	0	0	0	23	2	0	2	0	0
2020-11-14	10:20	10:50	AWAR KM 53	>1000	72	0	2	8	1	0	80	0	0	72	2	0
2020-11-14	11:20	11:50	AWAR KM 46	>1000	23	0	0	5	0	0	27	0	0	1	0	0
2020-11-14	12:23	12:53	AWAR KM 50.5	>1000	30	0	0	2	0	0	16	0	2	67	0	0
2020-11-14	13:45	14:15	AWAR KM 56	300-1000	29	0	1	1	0	0	28	0	2	1	0	0
2020-11-15	15:03	15:33	AWAR KM 75	>1000	6	0	0	25	0	0	21	0	0	10	0	0
2020-11-15	10:00	10:30	AWAR KM 50	>1000	21	6	0	2	0	0	24	5	0	0	0	0
2021-03-31	9:41	10:11	Amaruq KM 119	>1000	8	0	0	1	0	0	7	0	0	1	0	0
2021-04-06	16:17	16:45	AWAR KM 72	300-1000	0	0	0	16	0	0	0	0	0	16	0	0
2021-04-07	10:13	10:50	AWAR KM 97	300-1000	0	52	0	0	0	0	0	52	0	0	0	0
2021-04-08	13:46	14:18	AWAR KM 103	0-50	17	0	1	0	0	0	18	0	0	0	0	0
2021-04-12	16:29	17:05	AWAR KM (NA)	300-1000	12	0	0	0	0	0	12	0	0	0	0	0
2021-04-13	9:13	9:51	AWAR KM 53	300-1000	0	0	10	11	0	0	0	0	1	0	0	0
2021-04-13	9:23	9:54	AWAR KM 82	>1000	7	0	0	2	0	0	10	0	0	1	0	0
2021-04-13	11:36	12:10	AWAR KM 57	300-1000	1	27	1	0	0	0	1	28	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2020-05-01	16:50	17:00	AQ Rd KM 162	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	7:40	8:10	AQ KM 161	>1000	0	0	0	11	0	0	0	0	0	11	0
2020-04-29	13:45	14:00	AQ KM 163	300-1000	0	0	0	0	0	0	0	0	0	0	0
2020-05-03	16:40	15:01	AQ KM 168	300-1000	0	0	0	0	2	0	0	0	0	2	0
2020-04-30	11:30	12:00	AQ KM 167	300-1000	16	0	0	3	1	0	20	0	0	0	0
2020-04-29	16:15	16:33	AQ KM 173	>1000	0	0	0	23	0	0	15	0	2	6	0
2020-04-30	12:20	12:50	AQ KM 175	100-300	0	2	0	0	0	0	0	2	0	0	0
2020-04-29	14:40	15:10	AQ KM 175	>1000	13	0	1	2	0	0	16	0	0	0	0
2020-05-14	16:30	17:00	AQ KM 175	300-1000	2	0	0	0	0	0	0	0	0	4	0
2020-05-06	7:20	7:50	AQ KM 160	>1000	0	2	0	0	0	0	0	2	0	0	0
2020-05-06	7:23	7:53	AQ KM 176	300-1000	1	20	0	0	0	0	1	20	0	0	0
2020-05-06	17:10	17:40	AQ KM 176	>1000	28	0	0	2	0	0	32	0	0	0	0
2020-05-06	17:20	17:50	NA	300-1000	32	0	0	2	0	0	21	0	3	10	0
2020-05-02	7:00	7:30	KM 175	300-1000	17	0	4	16	1	0	26	0	2	14	0
2020-05-11	16:15	16:45	AQ KM 177	300-1000	100	0	0	100	0	0	75	4	0	0	0
2020-08-06	11:25	11:55	AQ KM 166	NA	30	0	0	216	4	0	4	0	0	40	2
2020-08-16	16:00	16:30	AWAR KM 89	300-1000	2	0	0	0	0	0	2	0	0	0	0
2020-08-22	13:11	13:41	AWAR KM 15	300-1000	0	0	0	29	0	0	0	0	0	29	0
2020-11-08	12:10	12:40	AWAR KM 54	300-1000	312	0	17	5	16	0	330	0	15	2	3
2020-11-08	11:22	11:52	AWAR KM 60	100-300	104	2	4	23	2	0	100	1	5	26	3
2020-11-09	9:50	10:20	AWAR KM 57	50-100	52	0	0	0	0	0	52	0	0	0	0
2020-11-18	10:22	10:39	AWAR KM 80	100-300	0	0	0	24	0	3	0	0	2	23	0
2020-11-19	11:17	11:45	AWAR KM 64	100-300	37	0	2	0	0	0	39	0	0	0	0
2020-11-12	11:00	11:12	AWAR KM 77	>1000	0	0	0	0	0	52	NA	NA	NA	NA	NA
2020-11-13	11:20	11:50	AWAR KM 58	>1000	160	6	2	44	0	0	136	3	4	69	0
2020-11-14	9:30	10:00	AWAR KM 50	300-1000	22	2	0	3	0	0	25	1	0	1	0
2020-11-14	10:20	10:50	AWAR KM 53	>1000	80	0	0	75	1	3	102	3	0	55	0
2020-11-14	11:20	11:50	AWAR KM 46	>1000	15	0	1	2	0	0	17	0	0	0	0
2020-11-14	12:23	12:53	AWAR KM 50.5	>1000	5	0	0	93	0	25	0	0	0	77	6
2020-11-14	13:45	14:15	AWAR KM 56	300-1000	39	0	0	2	0	0	30	0	0	1	0
2020-11-15	15:03	15:33	AWAR KM 75	>1000	27	0	0	3	1	0	31	0	0	0	0
2020-11-15	10:00	10:30	AWAR KM 50	>1000	24	5	0	0	0	0	24	4	1	0	0
2021-03-31	9:41	10:11	Amaruq KM 119	>1000	3	0	0	2	0	0	4	0	0	0	0
2021-04-06	16:17	16:45	AWAR KM 72	300-1000	0	0	0	16	0	0	0	0	0	16	0
2021-04-07	10:13	10:50	AWAR KM 97	300-1000	0	52	0	0	0	0	0	52	0	0	0
2021-04-08	13:46	14:18	AWAR KM 103	0-50	17	0	0	1	0	0	18	0	0	0	0
2021-04-12	16:29	17:05	AWAR KM (NA)	300-1000	12	0	0	0	0	0	12	0	0	0	0
2021-04-13	9:13	9:51	AWAR KM 53	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-13	9:23	9:54	AWAR KM 82	>1000	6	0	0	0	2	0	8	0	0	0	0
2021-04-13	11:36	12:10	AWAR KM 57	300-1000	1	28	0	0	0	0	1	28	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2020-05-01	16:50	17:00	AQ Rd KM 162	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	7:40	8:10	AQ KM 161	>1000	0	0	0	0	11	0	0	6	0	0	2
2020-04-29	13:45	14:00	AQ KM 163	300-1000	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	16:40	15:01	AQ KM 168	300-1000	0	0	0	0	2	0	0	0	0	0	2
2020-04-30	11:30	12:00	AQ KM 167	300-1000	0	13	0	0	5	2	0	0	0	0	15
2020-04-29	16:15	16:33	AQ KM 173	>1000	0	6	0	1	16	0	0	NA	NA	NA	NA
2020-04-30	12:20	12:50	AQ KM 175	100-300	0	0	2	0	0	0	0	0	2	0	0
2020-04-29	14:40	15:10	AQ KM 175	>1000	0	16	0	0	0	0	0	14	0	0	2
2020-05-14	16:30	17:00	AQ KM 175	300-1000	0	4	0	0	0	0	0	3	0	0	1
2020-05-06	7:20	7:50	AQ KM 160	>1000	0	0	2	0	0	0	0	0	2	0	0
2020-05-06	7:23	7:53	AQ KM 176	300-1000	0	1	17	3	0	0	0	0	21	0	0
2020-05-06	17:10	17:40	AQ KM 176	>1000	0	27	0	2	3	0	0	25	0	3	5
2020-05-06	17:20	17:50	NA	300-1000	0	6	0	3	0	0	0	6	0	0	11
2020-05-02	7:00	7:30	KM 175	300-1000	0	21	0	2	18	0	0	19	0	4	26
2020-05-11	16:15	16:45	AQ KM 177	300-1000	0	100	0	0	0	0	0	100	0	0	1
2020-08-06	11:25	11:55	AQ KM 166	NA	150	6	0	0	20	3	120	0	0	0	0
2020-08-16	16:00	16:30	AWAR KM 89	300-1000	0	1	0	0	0	1	0	1	0	0	0
2020-08-22	13:11	13:41	AWAR KM 15	300-1000	0	0	0	0	29	0	0	0	0	0	0
2020-11-08	12:10	12:40	AWAR KM 54	300-1000	0	326	0	17	3	4	0	324	5	20	0
2020-11-08	11:22	11:52	AWAR KM 60	100-300	0	89	0	4	34	2	0	97	0	3	32
2020-11-09	9:50	10:20	AWAR KM 57	50-100	0	49	0	2	1	0	0	3	0	0	49
2020-11-18	10:22	10:39	AWAR KM 80	100-300	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-11-19	11:17	11:45	AWAR KM 64	100-300	0	27	0	0	12	0	0	18	0	5	16
2020-11-12	11:00	11:12	AWAR KM 77	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-11-13	11:20	11:50	AWAR KM 58	>1000	0	130	6	2	3	1	0	74	5	3	57
2020-11-14	9:30	10:00	AWAR KM 50	300-1000	0	25	0	0	2	0	0	24	0	0	3
2020-11-14	10:20	10:50	AWAR KM 53	>1000	0	160	0	0	5	0	0	152	0	2	6
2020-11-14	11:20	11:50	AWAR KM 46	>1000	0	18	0	0	0	0	0	17	0	1	0
2020-11-14	12:23	12:53	AWAR KM 50.5	>1000	40	0	0	5	30	8	40	0	0	0	20
2020-11-14	13:45	14:15	AWAR KM 56	300-1000	0	28	0	0	2	1	0	26	0	0	5
2020-11-15	15:03	15:33	AWAR KM 75	>1000	0	29	0	1	1	0	0	30	0	1	0
2020-11-15	10:00	10:30	AWAR KM 50	>1000	0	25	4	0	0	0	0	26	3	0	0
2021-03-31	9:41	10:11	Amaruq KM 119	>1000	0	3	0	0	0	0	0	2	0	0	0
2021-04-06	16:17	16:45	AWAR KM 72	300-1000	0	0	0	0	16	0	0	0	0	0	16
2021-04-07	10:13	10:50	AWAR KM 97	300-1000	0	0	52	0	0	0	0	0	52	0	0
2021-04-08	13:46	14:18	AWAR KM 103	0-50	0	18	0	0	0	0	0	17	0	0	0
2021-04-12	16:29	17:05	AWAR KM (NA)	300-1000	0	11	0	1	0	0	0	12	0	0	0
2021-04-13	9:13	9:51	AWAR KM 53	300-1000	0	59	6	2	7	2	0	NA	NA	NA	NA
2021-04-13	9:23	9:54	AWAR KM 82	>1000	0	7	0	0	0	0	0	7	0	0	0
2021-04-13	11:36	12:10	AWAR KM 57	300-1000	0	1	28	0	0	0	0	1	28	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2020-05-01	16:50	17:00	AQ Rd KM 162	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	7:40	8:10	AQ KM 161	>1000	0	0	10	0	0	1	0	0	11	0	0
2020-04-29	13:45	14:00	AQ KM 163	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	16:40	15:01	AQ KM 168	300-1000	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	11:30	12:00	AQ KM 167	300-1000	2	0	0	0	0	19	0	1	0	0	1
2020-04-29	16:15	16:33	AQ KM 173	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	12:20	12:50	AQ KM 175	100-300	0	0	0	2	0	0	0	0	0	2	0
2020-04-29	14:40	15:10	AQ KM 175	>1000	0	0	18	0	0	3	0	0	15	0	0
2020-05-14	16:30	17:00	AQ KM 175	300-1000	0	0	2	0	0	2	0	0	3	0	1
2020-05-06	7:20	7:50	AQ KM 160	>1000	0	0	0	2	0	0	0	0	0	2	0
2020-05-06	7:23	7:53	AQ KM 176	300-1000	0	0	0	21	0	0	0	0	0	21	0
2020-05-06	17:10	17:40	AQ KM 176	>1000	0	0	25	0	2	0	0	5	0	0	0
2020-05-06	17:20	17:50	NA	300-1000	0	0	6	0	0	0	0	0	0	0	0
2020-05-02	7:00	7:30	KM 175	300-1000	0	2	17	0	1	18	4	0	9	7	2
2020-05-11	16:15	16:45	AQ KM 177	300-1000	0	0	100	0	0	0	0	0	100	0	0
2020-08-06	11:25	11:55	AQ KM 166	NA	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-16	16:00	16:30	AWAR KM 89	300-1000	0	0	0	0	0	1	0	0	0	0	0
2020-08-22	13:11	13:41	AWAR KM 15	300-1000	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-11-08	12:10	12:40	AWAR KM 54	300-1000	1	0	331	2	12	3	2	0	332	0	16
2020-11-08	11:22	11:52	AWAR KM 60	100-300	2	0	103	0	5	27	0	0	86	0	6
2020-11-09	9:50	10:20	AWAR KM 57	50-100	0	0	11	0	0	34	4	3	35	0	5
2020-11-18	10:22	10:39	AWAR KM 80	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-11-19	11:17	11:45	AWAR KM 64	100-300	0	0	15	0	2	22	0	0	0	0	0
2020-11-12	11:00	11:12	AWAR KM 77	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-11-13	11:20	11:50	AWAR KM 58	>1000	1	0	62	8	2	65	0	3	43	6	0
2020-11-14	9:30	10:00	AWAR KM 50	300-1000	0	0	23	1	1	2	0	0	21	2	1
2020-11-14	10:20	10:50	AWAR KM 53	>1000	0	0	160	1	1	8	0	0	165	1	0
2020-11-14	11:20	11:50	AWAR KM 46	>1000	0	0	15	0	0	0	0	0	14	0	0
2020-11-14	12:23	12:53	AWAR KM 50.5	>1000	1	0	0	0	0	10	1	0	NA	NA	NA
2020-11-14	13:45	14:15	AWAR KM 56	300-1000	0	0	20	0	2	9	0	0	14	0	0
2020-11-15	15:03	15:33	AWAR KM 75	>1000	0	0	29	0	0	2	0	0	30	0	0
2020-11-15	10:00	10:30	AWAR KM 50	>1000	0	0	25	3	0	1	0	0	24	3	0
2021-03-31	9:41	10:11	Amaruq KM 119	>1000	0	0	2	0	0	0	0	0	2	0	0
2021-04-06	16:17	16:45	AWAR KM 72	300-1000	0	0	0	0	0	16	0	0	0	0	0
2021-04-07	10:13	10:50	AWAR KM 97	300-1000	0	0	0	52	0	0	0	0	0	52	0
2021-04-08	13:46	14:18	AWAR KM 103	0-50	1	0	18	0	0	0	0	0	18	0	0
2021-04-12	16:29	17:05	AWAR KM (NA)	300-1000	0	0	12	0	0	0	0	0	12	0	0
2021-04-13	9:13	9:51	AWAR KM 53	300-1000	NA	NA	33	1	3	20	1	0	NA	NA	NA
2021-04-13	9:23	9:54	AWAR KM 82	>1000	0	0	7	0	0	0	0	0	6	0	0
2021-04-13	11:36	12:10	AWAR KM 57	300-1000	0	0	1	28	0	0	0	0	1	28	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2020-05-01	16:50	17:00	AQ Rd KM 162	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	7:40	8:10	AQ KM 161	>1000	0	0	0	8	0	0	3	0	0
2020-04-29	13:45	14:00	AQ KM 163	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-05-03	16:40	15:01	AQ KM 168	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	11:30	12:00	AQ KM 167	300-1000	17	2	0	0	0	10	9	1	0
2020-04-29	16:15	16:33	AQ KM 173	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-04-30	12:20	12:50	AQ KM 175	100-300	0	0	0	0	2	0	0	0	0
2020-04-29	14:40	15:10	AQ KM 175	>1000	2	4	0	19	0	0	0	2	0
2020-05-14	16:30	17:00	AQ KM 175	300-1000	0	0	0	0	0	0	2	0	0
2020-05-06	7:20	7:50	AQ KM 160	>1000	0	0	0	0	2	0	0	0	0
2020-05-06	7:23	7:53	AQ KM 176	300-1000	0	0	0	0	21	0	0	0	0
2020-05-06	17:10	17:40	AQ KM 176	>1000	32	0	0	0	0	0	8	0	0
2020-05-06	17:20	17:50	NA	300-1000	34	0	0	0	0	0	34	0	0
2020-05-02	7:00	7:30	KM 175	300-1000	9	0	1	10	6	1	25	1	0
2020-05-11	16:15	16:45	AQ KM 177	300-1000	0	0	0	100	0	0	0	0	0
2020-08-06	11:25	11:55	AQ KM 166	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-08-16	16:00	16:30	AWAR KM 89	300-1000	0	1	0	0	0	0	1	0	0
2020-08-22	13:11	13:41	AWAR KM 15	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-11-08	12:10	12:40	AWAR KM 54	300-1000	1	1	0	328	14	8	0	0	0
2020-11-08	11:22	11:52	AWAR KM 60	100-300	42	1	0	89	0	5	39	2	0
2020-11-09	9:50	10:20	AWAR KM 57	50-100	8	2	0	45	0	3	2	0	0
2020-11-18	10:22	10:39	AWAR KM 80	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-11-19	11:17	11:45	AWAR KM 64	100-300	29	0	0	NA	NA	NA	NA	NA	NA
2020-11-12	11:00	11:12	AWAR KM 77	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-11-13	11:20	11:50	AWAR KM 58	>1000	24	2	0	42	8	1	19	0	0
2020-11-14	9:30	10:00	AWAR KM 50	300-1000	2	1	0	22	2	2	1	0	0
2020-11-14	10:20	10:50	AWAR KM 53	>1000	4	0	0	157	1	0	12	0	0
2020-11-14	11:20	11:50	AWAR KM 46	>1000	0	0	0	12	2	0	0	0	0
2020-11-14	12:23	12:53	AWAR KM 50.5	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2020-11-14	13:45	14:15	AWAR KM 56	300-1000	17	0	0	14	0	1	14	2	0
2020-11-15	15:03	15:33	AWAR KM 75	>1000	1	0	0	29	0	1	1	0	0
2020-11-15	10:00	10:30	AWAR KM 50	>1000	2	0	0	25	3	0	0	0	0
2021-03-31	9:41	10:11	Amaruq KM 119	>1000	0	0	0	1	0	0	0	0	0
2021-04-06	16:17	16:45	AWAR KM 72	300-1000	0	0	16	16	0	0	0	0	0
2021-04-07	10:13	10:50	AWAR KM 97	300-1000	0	0	0	0	52	0	0	0	0
2021-04-08	13:46	14:18	AWAR KM 103	0-50	0	0	0	18	0	0	0	0	0
2021-04-12	16:29	17:05	AWAR KM (NA)	300-1000	0	0	0	12	0	0	0	0	0
2021-04-13	9:13	9:51	AWAR KM 53	300-1000	NA	NA	NA	18	0	1	0	0	0
2021-04-13	9:23	9:54	AWAR KM 82	>1000	0	0	1	5	0	0	0	0	0
2021-04-13	11:36	12:10	AWAR KM 57	300-1000	0	0	0	1	28	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2020-05-01	16:50	17:00	AQ Rd KM 162	100-300	NA	Light truck	Light truck	NA	NA	NA
2020-05-03	7:40	8:10	AQ KM 161	>1000	NA	NA	NA	NA	NA	NA
2020-04-29	13:45	14:00	AQ KM 163	300-1000	NA	Light truck	NA	NA	NA	NA
2020-05-03	16:40	15:01	AQ KM 168	300-1000	NA	NA	NA	NA	NA	NA
2020-04-30	11:30	12:00	AQ KM 167	300-1000	NA	NA	NA	NA	NA	NA
2020-04-29	16:15	16:33	AQ KM 173	>1000	NA	Light truck	NA	NA	NA	NA
2020-04-30	12:20	12:50	AQ KM 175	100-300	NA	NA	NA	NA	NA	NA
2020-04-29	14:40	15:10	AQ KM 175	>1000	NA	NA	NA	NA	NA	NA
2020-05-14	16:30	17:00	AQ KM 175	300-1000	Haul truck	NA	NA	Haul truck	NA	NA
2020-05-06	7:20	7:50	AQ KM 160	>1000	NA	NA	NA	NA	NA	NA
2020-05-06	7:23	7:53	AQ KM 176	300-1000	NA	NA	NA	NA	NA	NA
2020-05-06	17:10	17:40	AQ KM 176	>1000	NA	NA	NA	NA	NA	NA
2020-05-06	17:20	17:50	NA	300-1000	NA	NA	NA	NA	NA	NA
2020-05-02	7:00	7:30	KM 175	300-1000	NA	NA	NA	NA	NA	NA
2020-05-11	16:15	16:45	AQ KM 177	300-1000	NA	Haul truck	Haul truck	NA	NA	NA
2020-08-06	11:25	11:55	AQ KM 166	NA	NA	NA	NA	NA	NA	NA
2020-08-16	16:00	16:30	AWAR KM 89	300-1000	NA	NA	NA	NA	Light truck	Light truck
2020-08-22	13:11	13:41	AWAR KM 15	300-1000	Haul truck	NA	NA	NA	NA	NA
2020-11-08	12:10	12:40	AWAR KM 54	300-1000	NA	NA	NA	NA	Fuel truck	NA
2020-11-08	11:22	11:52	AWAR KM 60	100-300	NA	NA	NA	Fuel truck	NA	NA
2020-11-09	9:50	10:20	AWAR KM 57	50-100	NA	NA	NA	NA	NA	NA
2020-11-18	10:22	10:39	AWAR KM 80	100-300	NA	NA	NA	NA	NA	NA
2020-11-19	11:17	11:45	AWAR KM 64	100-300	NA	NA	NA	NA	NA	NA
2020-11-12	11:00	11:12	AWAR KM 77	>1000	NA	NA	NA	NA	Predator	NA
2020-11-13	11:20	11:50	AWAR KM 58	>1000	NA	NA	NA	NA	NA	NA
2020-11-14	9:30	10:00	AWAR KM 50	300-1000	NA	Light truck	NA	NA	NA	Fuel truck
2020-11-14	10:20	10:50	AWAR KM 53	>1000	NA	NA	NA	NA	NA	NA
2020-11-14	11:20	11:50	AWAR KM 46	>1000	NA	NA	NA	NA	NA	NA
2020-11-14	12:23	12:53	AWAR KM 50.5	>1000	NA	NA	Fuel truck	NA	NA	ATV
2020-11-14	13:45	14:15	AWAR KM 56	300-1000	NA	NA	NA	NA	NA	NA
2020-11-15	15:03	15:33	AWAR KM 75	>1000	NA	NA	NA	NA	NA	NA
2020-11-15	10:00	10:30	AWAR KM 50	>1000	NA	NA	NA	NA	NA	NA
2021-03-31	9:41	10:11	Amaruq KM 119	>1000	NA	Heavy equipment	NA	NA	Heavy equipment	Light truck
2021-04-06	16:17	16:45	AWAR KM 72	300-1000	NA	NA	NA	NA	NA	NA
2021-04-07	10:13	10:50	AWAR KM 97	300-1000	NA	NA	NA	NA	NA	NA
2021-04-08	13:46	14:18	AWAR KM 103	0-50	Light truck	NA	NA	NA	NA	NA
2021-04-12	16:29	17:05	AWAR KM (NA)	300-1000	NA	NA	NA	NA	Heavy equipment	Road maintenance
2021-04-13	9:13	9:51	AWAR KM 53	300-1000	NA	NA	Tanker	Tractor	NA	NA
2021-04-13	9:23	9:54	AWAR KM 82	>1000	NA	NA	NA	NA	NA	NA
2021-04-13	11:36	12:10	AWAR KM 57	300-1000	Road maintenance	NA	NA	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2020-05-01	16:50	17:00	AQ Rd KM 162	100-300	NA	NA	NA	NA	NA	2020	-96.4297	65.31742	NA
2020-05-03	7:40	8:10	AQ KM 161	>1000	NA	NA	NA	NA	NA	2020	-96.4396	65.31957	NA
2020-04-29	13:45	14:00	AQ KM 163	300-1000	NA	NA	NA	NA	NA	2020	-96.4441	65.32139	NA
2020-05-03	16:40	15:01	AQ KM 168	300-1000	Grader	NA	NA	NA	NA	2020	-96.5208	65.33207	NA
2020-04-30	11:30	12:00	AQ KM 167	300-1000	NA	NA	NA	Light truck	NA	2020	-96.5152	65.33245	NA
2020-04-29	16:15	16:33	AQ KM 173	>1000	NA	NA	NA	NA	NA	2020	-96.6016	65.36887	NA
2020-04-30	12:20	12:50	AQ KM 175	100-300	NA	NA	NA	NA	NA	2020	-96.6022	65.37899	NA
2020-04-29	14:40	15:10	AQ KM 175	>1000	NA	NA	NA	Light truck	NA	2020	-96.6023	65.37924	NA
2020-05-14	16:30	17:00	AQ KM 175	300-1000	NA	NA	NA	NA	NA	2020	-96.6065	65.39299	NA
2020-05-06	7:20	7:50	AQ KM 160	>1000	Light truck	NA	NA	NA	NA	2020	-96.6075	65.39358	NA
2020-05-06	7:23	7:53	AQ KM 176	300-1000	Light truck	NA	NA	NA	NA	2020	-96.6075	65.39358	NA
2020-05-06	17:10	17:40	AQ KM 176	>1000	NA	NA	NA	Light truck	NA	2020	-96.6128	65.39669	NA
2020-05-06	17:20	17:50	NA	300-1000	Light truck	NA	NA	NA	Haul truck	2020	-96.6128	65.39669	NA
2020-05-02	7:00	7:30	KM 175	300-1000	NA	NA	NA	NA	NA	2020	-96.613	65.39671	NA
2020-05-11	16:15	16:45	AQ KM 177	300-1000	NA	NA	NA	Light truck	NA	2020	-96.6225	65.40148	NA
2020-08-06	11:25	11:55	AQ KM 166	NA	NA	NA	NA	NA	NA	2020	NA	NA	NA
2020-08-16	16:00	16:30	AWAR KM 89	300-1000	NA	Tractor trailer	NA	NA	NA	2020	NA	NA	NA
2020-08-22	13:11	13:41	AWAR KM 15	300-1000	NA	NA	NA	NA	NA	2020	NA	NA	NA
2020-11-08	12:10	12:40	AWAR KM 54	300-1000	NA	NA	NA	NA	NA	2020	-96.3467	64.71835	NA
2020-11-08	11:22	11:52	AWAR KM 60	100-300	NA	NA	NA	NA	NA	2020	-96.3663	64.7533	NA
2020-11-09	9:50	10:20	AWAR KM 57	50-100	NA	NA	NA	NA	NA	2020	-96.3461	64.72504	NA
2020-11-18	10:22	10:39	AWAR KM 80	100-300	NA	NA	NA	NA	NA	2020	-96.306	64.91738	NA
2020-11-19	11:17	11:45	AWAR KM 64	100-300	NA	NA	NA	NA	NA	2020	-96.3456	64.78273	NA
2020-11-12	11:00	11:12	AWAR KM 77	>1000	NA	NA	NA	NA	NA	2020	-96.3397	64.89465	NA
2020-11-13	11:20	11:50	AWAR KM 58	>1000	NA	Tractor trailer	NA	NA	NA	2020	-96.3418	64.72157	NA
2020-11-14	9:30	10:00	AWAR KM 50	300-1000	Fuel truck	NA	NA	NA	NA	2020	-96.37	64.66562	NA
2020-11-14	10:20	10:50	AWAR KM 53	>1000	NA	ATV	NA	NA	NA	2020	-96.3588	64.71282	NA
2020-11-14	11:20	11:50	AWAR KM 46	>1000	NA	NA	NA	NA	NA	2020	-96.3077	64.64673	NA
2020-11-14	12:23	12:53	AWAR KM 50.5	>1000	NA	NA	NA	NA	NA	2020	-96.3735	64.68112	NA
2020-11-14	13:45	14:15	AWAR KM 56	300-1000	NA	NA	NA	NA	NA	2020	-96.3506	64.72585	NA
2020-11-15	15:03	15:33	AWAR KM 75	>1000	NA	NA	NA	NA	NA	2020	-96.3248	64.87191	NA
2020-11-15	10:00	10:30	AWAR KM 50	>1000	NA	NA	NA	NA	NA	2020	-96.3711	64.67173	NA
2021-03-31	9:41	10:11	Amaruq KM 119	>1000	Heavy equipment	Heavy equipment	NA	NA	NA	2021	-96.0648	65.09321	NA
2021-04-06	16:17	16:45	AWAR KM 72	300-1000	NA	NA	NA	Light truck	NA	2021	-96.3215	64.84679	NA
2021-04-07	10:13	10:50	AWAR KM 97	300-1000	NA	NA	NA	NA	NA	2021	-96.1761	65.02429	NA
2021-04-08	13:46	14:18	AWAR KM 103	0-50	NA	NA	NA	NA	NA	2021	-96.1108	65.04881	NA
2021-04-12	16:29	17:05	AWAR KM (NA)	300-1000	NA	Road maintenance	Road maintenance	NA	NA	2021	-96.1628	65.02991	NA
2021-04-13	9:13	9:51	AWAR KM 53	300-1000	NA	Tanker	NA	NA	NA	2021	-96.3731	64.70606	NA
2021-04-13	9:23	9:54	AWAR KM 82	>1000	NA	NA	NA	NA	NA	2021	-96.312	64.9306	NA
2021-04-13	11:36	12:10	AWAR KM 57	300-1000	NA	NA	Heavy equipment	NA	NA	2021	-96.3601	64.73137	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2021-04-13	16:40	17:12	AWAR KM 85	300-1000	KAK	NA	110	West	No	15	NA	NA	NA	NA
2021-04-14	5:43	7:16	AWAR KM 96	50-100	Louis Dubois	NA	30	West	No	300	-13	24	NA	NA
2021-04-14	6:58	7:33	AWAR KM 90	300-1000	Louis Dubois	NA	45	West	Yes	476	-12	24	NA	NA
2021-04-14	11:56	12:31	AWAR KM 44	300-1000	Louis Dubois	NA	80	West	No	76	-9	24	NA	NA
2021-04-14	13:40	14:11	AWAR KM 72	>1000	Louis Dubois	NA	90	West	No	70	-1	24	NA	NA
2021-04-18	8:34	9:03	AWAR KM 43	300-1000	KAK	NA	90	West	No	52	-18	60	NA	NA
2021-04-18	9:04	9:20	AWAR KM 43	300-1000	KAK	NA	90	West	No	52	-18	60	NA	NA
2021-04-19	8:00	8:34	AWAR KM 53	100-300	Louis Dubois	NA	45	West	No	6	-17	17	NA	NA
2021-04-19	8:45	9:17	AWAR KM 52	>1000	Louis Dubois	NA	90	West	No	6	-17	17	NA	NA
2021-04-19	15:49	16:22	Amaruq KM 103	0-50	Louis Dubois	NA	15	East	No	14	-10	17	NA	NA
2021-04-19	16:22	16:46	AWAR KM 103	300-1000	Louis Dubois	NA	10	West	No	14	-10	17	NA	NA
2021-04-19	16:56	17:11	Amaruq KM 103	>1000	Louis Dubois	NA	10	East	No	8	-10	17	NA	NA
2021-04-20	16:39	17:22	AWAR KM 105	300-1000	BHJ	NA	90	West	No	10	-3	8	NA	NA
2021-04-21	13:02	13:42	AWAR KM 38	300-1000	BHK, MTS	NA	310	West	No	83	-3	15	NA	NA
2021-04-22	16:20	16:52	AWAR KM 83	>1000	BHJ	NA	205	West	No	20	-9	20	NA	NA
2021-04-23	8:56	9:33	AWAR KM 35	300-1000	Michael Schumacher	NA	270	West	No	62	-14	20	NA	NA
2021-04-23	9:34	9:40	AWAR KM 35	300-1000	Michael Schumacher	NA	270	West	No	15	-14	20	NA	NA
2021-04-23	10:17	10:54	AWAR KM 37	300-1000	Michael Schumacher	NA	290	West	No	21	-10	20	NA	NA
2021-04-23	11:11	11:52	AWAR KM 12	300-1000	BHJ, NS	NA	300	West	No	33	-16	10	NA	NA
2021-04-23	11:15	11:55	AWAR KM 46	100-300	Michael Schumacher	NA	280	West	No	19	-10	20	NA	NA
2021-04-23	12:41	13:19	AWAR KM 26	300-1000	BHJ, NS	NA	0	West	No	210	-15	20	NA	NA
2021-04-23	12:45	13:10	AWAR KM 61	300-1000	Michael Schumacher	NA	270	West	No	8	-10	20	NA	NA
2021-04-23	14:46	15:25	AWAR KM 74	300-1000	Michael Schumacher	NA	315	West	No	9	-10	20	NA	NA
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	Michael Schumacher	NA	200	West	Yes	200	-21	26	NA	NA
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	Michael Schumacher	NA	200	West	Yes	200	-21	26	NA	NA
2021-04-25	12:52	13:29	AWAR KM 26	100-300	BHJ	NA	200	West	No	50	-16	20	NA	NA
2021-04-25	14:32	15:04	AWAR KM 67	50-100	BHJ	NA	NA	West	No	27	-15	20	NA	NA
2021-04-26	8:15	9:00	AWAR KM (NA)	100-300	BHJ	NA	190	West	No	32	-18	20	NA	NA
2021-04-26	9:32	9:50	AWAR KM 42	100-300	BHJ	NA	200	West	No	32	-20	20	NA	NA
2021-04-26	9:52	10:26	AWAR KM 42	>1000	BHJ	NA	210	East	No	32	-20	20	NA	NA
2021-04-26	13:54	14:29	AWAR KM 58	300-1000	BHJ	NA	215	West	No	58	-15	20	NA	NA
2021-04-26	14:51	15:25	AWAR KM 78	100-300	BHJ	NA	220	West	No	26	-16	25	NA	NA
2021-04-29	8:06	8:41	Amaruq KM 119	300-1000	Michael Schumacher	NA	30	Both	Yes	144	-15	30	NA	NA
2021-04-29	9:05	9:40	Amaruq KM 119	300-1000	Michael Schumacher	NA	360	East	No	17	-10	30	NA	NA
2021-04-29	9:55	10:01	Amaruq KM 119	300-1000	Michael Schumacher	NA	360	East	No	17	-10	30	NA	NA
2021-04-29	10:04	10:36	Amaruq KM 119	300-1000	Michael Schumacher	NA	360	East	No	17	-14	30	NA	NA
2021-04-29	14:56	14:59	Amaruq KM 128	300-1000	Michael Schumacher, Nicolas Saucier	NA	220	West	No	15	-8	40	NA	NA
2021-04-29	15:00	15:03	Amaruq KM 128	300-1000	Michael Schumacher	NA	220	West	No	15	-8	40	NA	NA
2021-04-29	15:04	15:31	Amaruq KM 128	300-1000	Michael Schumacher, Nicolas Saucier	NA	220	West	No	15	-8	40	NA	NA
2021-04-30	8:46	9:13	AWAR KM 93	300-1000	KN	NA	270	West	No	94	-14	17	NA	NA
2021-04-30	12:12	13:00	Amaruq KM 178	100-300	Laurence Archambault	NA	15	West	No	16	-11	7	NA	NA
2021-05-01	7:21	7:50	AWAR KM 102	0-50	KN	NA	90	East	No	7	-16	41	NA	NA
2021-05-01	8:10	8:44	AWAR KM 98	100-300	KN	NA	280	East	No	24	-16	41	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2021-04-13	16:40	17:12	AWAR KM 85	300-1000	NA	NA	40	6	None
2021-04-14	5:43	7:16	AWAR KM 96	50-100	NA	NA	NA	NA	Flags
2021-04-14	6:58	7:33	AWAR KM 90	300-1000	NA	NA	NA	NA	NA
2021-04-14	11:56	12:31	AWAR KM 44	300-1000	NA	NA	NA	NA	NA
2021-04-14	13:40	14:11	AWAR KM 72	>1000	NA	NA	NA	NA	NA
2021-04-18	8:34	9:03	AWAR KM 43	300-1000	NA	Sunny, wind chill -31	0	6	None
2021-04-18	9:04	9:20	AWAR KM 43	300-1000	NA	NA	0	6	None
2021-04-19	8:00	8:34	AWAR KM 53	100-300	NA	NA	0	8	Flags
2021-04-19	8:45	9:17	AWAR KM 52	>1000	NA	NA	0	8	Flags
2021-04-19	15:49	16:22	Amaruq KM 103	0-50	NA	NA	0	8	Flags
2021-04-19	16:22	16:46	AWAR KM 103	300-1000	NA	NA	0	NA	Flags
2021-04-19	16:56	17:11	Amaruq KM 103	>1000	NA	NA	0	NA	Flags
2021-04-20	16:39	17:22	AWAR KM 105	300-1000	2	Overcast	5	20	Mine; flags; freshwater barge
2021-04-21	13:02	13:42	AWAR KM 38	300-1000	4	Foggy	0	20	Flags
2021-04-22	16:20	16:52	AWAR KM 83	>1000	5	Sunny, clear skies	0	20	Flags
2021-04-23	8:56	9:33	AWAR KM 35	300-1000	4	NA	1	2	None
2021-04-23	9:34	9:40	AWAR KM 35	300-1000	4	NA	1	2	None
2021-04-23	10:17	10:54	AWAR KM 37	300-1000	4	NA	1	2	None
2021-04-23	11:11	11:52	AWAR KM 12	300-1000	6	Cloudy	0	8	Flags; road
2021-04-23	11:15	11:55	AWAR KM 46	100-300	4	NA	1	4	None
2021-04-23	12:41	13:19	AWAR KM 26	300-1000	2	Partly cloudy	0	8	Flags; road
2021-04-23	12:45	13:10	AWAR KM 61	300-1000	4	NA	1	1	None
2021-04-23	14:46	15:25	AWAR KM 74	300-1000	4	NA	1	4	None
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	5	NA	1	2	None
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	5	NA	1	2	None
2021-04-25	12:52	13:29	AWAR KM 26	100-300	7	Sunny	0	10	Flags; road
2021-04-25	14:32	15:04	AWAR KM 67	50-100	7	Partly cloudy	0	10	Flags; road
2021-04-26	8:15	9:00	AWAR KM (NA)	100-300	8	Partly cloudy	NA	10	Flags; "Yellow must all sign"; road
2021-04-26	9:32	9:50	AWAR KM 42	100-300	8	Mostly sunny	0	10	Flags; "Yellow must all sign"; road
2021-04-26	9:52	10:26	AWAR KM 42	>1000	NA	NA	0	10	Flags; "Yellow must all sign"; road
2021-04-26	13:54	14:29	AWAR KM 58	300-1000	8	Partly cloudy	0	10	Flags; road
2021-04-26	14:51	15:25	AWAR KM 78	100-300	8	Mostly sunny	0	8	Flags; road
2021-04-29	8:06	8:41	Amaruq KM 119	300-1000	NA	NA	NA	3	NA
2021-04-29	9:05	9:40	Amaruq KM 119	300-1000	NA	NA	NA	3	NA
2021-04-29	9:55	10:01	Amaruq KM 119	300-1000	NA	NA	NA	3	NA
2021-04-29	10:04	10:36	Amaruq KM 119	300-1000	NA	NA	NA	3	NA
2021-04-29	14:56	14:59	Amaruq KM 128	300-1000	NA	NA	NA	7	NA
2021-04-29	15:00	15:03	Amaruq KM 128	300-1000	NA	NA	1	7	NA
2021-04-29	15:04	15:31	Amaruq KM 128	300-1000	NA	NA	1	7	NA
2021-04-30	8:46	9:13	AWAR KM 93	300-1000	2	Sunny	1	1	NA
2021-04-30	12:12	13:00	Amaruq KM 178	100-300	2	Sunny	NA	NA	NA
2021-05-01	7:21	7:50	AWAR KM 102	0-50	3	High winds	1	1	None
2021-05-01	8:10	8:44	AWAR KM 98	100-300	3	NA	1	1	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2021-04-13	16:40	17:12	AWAR KM 85	300-1000	5	6	0	4	0	0	5	9	1	0	0	0
2021-04-14	5:43	7:16	AWAR KM 96	50-100	30	8	0	3	0	0	32	8	0	1	0	0
2021-04-14	6:58	7:33	AWAR KM 90	300-1000	60	0	0	2	0	0	60	0	0	2	0	0
2021-04-14	11:56	12:31	AWAR KM 44	300-1000	75	0	1	0	0	0	76	0	0	0	0	0
2021-04-14	13:40	14:11	AWAR KM 72	>1000	48	6	0	0	0	0	45	3	0	4	2	0
2021-04-18	8:34	9:03	AWAR KM 43	300-1000	42	8	1	1	0	0	38	12	0	2	0	0
2021-04-18	9:04	9:20	AWAR KM 43	300-1000	0	8	1	15	0	0	4	5	0	5	0	0
2021-04-19	8:00	8:34	AWAR KM 53	100-300	4	0	0	0	2	0	6	0	0	0	0	0
2021-04-19	8:45	9:17	AWAR KM 52	>1000	2	4	0	0	0	0	4	2	0	0	0	0
2021-04-19	15:49	16:22	Amaruq KM 103	0-50	5	9	0	0	0	0	5	9	0	0	0	0
2021-04-19	16:22	16:46	AWAR KM 103	300-1000	14	0	0	0	0	0	14	0	0	0	0	0
2021-04-19	16:56	17:11	Amaruq KM 103	>1000	0	3	5	0	0	0	2	2	0	0	2	0
2021-04-20	16:39	17:22	AWAR KM 105	300-1000	9	0	0	1	0	0	9	0	0	1	0	0
2021-04-21	13:02	13:42	AWAR KM 38	300-1000	39	32	0	2	0	0	35	45	0	3	0	0
2021-04-22	16:20	16:52	AWAR KM 83	>1000	10	0	10	0	0	0	15	5	0	0	0	0
2021-04-23	8:56	9:33	AWAR KM 35	300-1000	0	0	0	62	0	0	0	0	0	62	0	0
2021-04-23	9:34	9:40	AWAR KM 35	300-1000	0	0	0	15	0	0	0	0	0	10	0	0
2021-04-23	10:17	10:54	AWAR KM 37	300-1000	15	6	0	0	0	0	10	8	0	3	0	0
2021-04-23	11:11	11:52	AWAR KM 12	300-1000	0	0	0	33	0	0	7	0	0	26	0	0
2021-04-23	11:15	11:55	AWAR KM 46	100-300	18	0	0	0	0	0	16	0	0	2	0	0
2021-04-23	12:41	13:19	AWAR KM 26	300-1000	80	80	0	50	0	0	80	60	0	80	0	0
2021-04-23	12:45	13:10	AWAR KM 61	300-1000	0	0	0	8	0	0	0	0	0	8	0	0
2021-04-23	14:46	15:25	AWAR KM 74	300-1000	0	9	0	0	0	0	0	9	0	0	0	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	6	2	0	6	0	0	0	2	8	4	0	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	12	0	0	0	0	0	0	0	0	0	0	12
2021-04-25	12:52	13:29	AWAR KM 26	100-300	0	0	0	10	0	0	0	0	0	31	0	0
2021-04-25	14:32	15:04	AWAR KM 67	50-100	0	0	0	26	1	0	0	0	0	25	0	0
2021-04-26	8:15	9:00	AWAR KM (NA)	100-300	10	20	0	2	0	0	7	25	0	0	0	0
2021-04-26	9:32	9:50	AWAR KM 42	100-300	3	29	0	0	0	0	0	0	0	0	32	0
2021-04-26	9:52	10:26	AWAR KM 42	>1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-04-26	13:54	14:29	AWAR KM 58	300-1000	19	0	0	30	0	0	16	1	2	41	0	0
2021-04-26	14:51	15:25	AWAR KM 78	100-300	2	0	0	24	0	0	4	0	4	22	0	0
2021-04-29	8:06	8:41	Amaruq KM 119	300-1000	19	3	0	0	0	0	19	3	0	0	0	0
2021-04-29	9:05	9:40	Amaruq KM 119	300-1000	17	0	0	0	0	0	17	0	0	0	0	0
2021-04-29	9:55	10:01	Amaruq KM 119	300-1000	17	0	0	0	0	0	17	0	0	0	0	0
2021-04-29	10:04	10:36	Amaruq KM 119	300-1000	17	0	0	0	0	0	17	0	0	0	0	0
2021-04-29	14:56	14:59	Amaruq KM 128	300-1000	15	0	0	0	0	0	15	0	0	0	0	0
2021-04-29	15:00	15:03	Amaruq KM 128	300-1000	12	0	0	0	3	0	12	0	0	0	3	0
2021-04-29	15:04	15:31	Amaruq KM 128	300-1000	13	0	0	2	0	0	13	0	0	2	0	0
2021-04-30	8:46	9:13	AWAR KM 93	300-1000	0	0	0	94	0	0	0	0	0	94	0	0
2021-04-30	12:12	13:00	Amaruq KM 178	100-300	16	0	0	0	0	0	16	0	0	0	0	0
2021-05-01	7:21	7:50	AWAR KM 102	0-50	0	7	0	0	0	0	0	7	0	0	0	0
2021-05-01	8:10	8:44	AWAR KM 98	100-300	0	0	0	24	0	0	5	0	0	19	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2021-04-13	16:40	17:12	AWAR KM 85	300-1000	5	10	0	0	0	0	5	10	0	0	0	0
2021-04-14	5:43	7:16	AWAR KM 96	50-100	26	9	0	6	0	0	0	8	6	0	0	27
2021-04-14	6:58	7:33	AWAR KM 90	300-1000	61	0	0	1	0	0	60	0	0	2	0	0
2021-04-14	11:56	12:31	AWAR KM 44	300-1000	76	0	0	0	0	0	74	0	0	2	0	0
2021-04-14	13:40	14:11	AWAR KM 72	>1000	43	1	2	14	0	0	49	1	0	10	0	0
2021-04-18	8:34	9:03	AWAR KM 43	300-1000	39	12	0	1	0	0	34	18	0	0	0	0
2021-04-18	9:04	9:20	AWAR KM 43	300-1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-04-19	8:00	8:34	AWAR KM 53	100-300	5	0	0	0	0	0	6	0	0	0	0	0
2021-04-19	8:45	9:17	AWAR KM 52	>1000	3	2	1	0	0	0	1	4	1	0	0	0
2021-04-19	15:49	16:22	Amaruq KM 103	0-50	5	9	0	0	0	0	2	12	0	0	0	0
2021-04-19	16:22	16:46	AWAR KM 103	300-1000	14	0	0	0	0	0	14	0	0	0	0	0
2021-04-19	16:56	17:11	Amaruq KM 103	>1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-04-20	16:39	17:22	AWAR KM 105	300-1000	10	0	0	0	0	0	10	0	0	0	0	0
2021-04-21	13:02	13:42	AWAR KM 38	300-1000	35	37	0	1	0	0	37	36	0	0	0	0
2021-04-22	16:20	16:52	AWAR KM 83	>1000	10	10	0	0	0	0	10	10	0	0	0	0
2021-04-23	8:56	9:33	AWAR KM 35	300-1000	0	0	0	62	0	0	0	0	0	62	0	0
2021-04-23	9:34	9:40	AWAR KM 35	300-1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-04-23	10:17	10:54	AWAR KM 37	300-1000	8	8	0	5	0	0	7	13	0	1	0	0
2021-04-23	11:11	11:52	AWAR KM 12	300-1000	25	0	1	7	0	0	11	0	3	6	0	0
2021-04-23	11:15	11:55	AWAR KM 46	100-300	18	0	0	0	0	0	18	0	0	0	0	0
2021-04-23	12:41	13:19	AWAR KM 26	300-1000	30	60	0	40	0	0	20	40	0	40	0	0
2021-04-23	12:45	13:10	AWAR KM 61	300-1000	0	0	0	8	0	0	0	0	0	8	0	0
2021-04-23	14:46	15:25	AWAR KM 74	300-1000	0	9	0	0	0	0	0	9	0	0	0	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	0	2	0	12	0	0	11	0	0	1	0	2
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-04-25	12:52	13:29	AWAR KM 26	100-300	0	0	0	31	0	0	0	0	0	31	0	0
2021-04-25	14:32	15:04	AWAR KM 67	50-100	0	0	0	25	0	0	0	0	0	20	0	0
2021-04-26	8:15	9:00	AWAR KM (NA)	100-300	8	24	0	0	0	0	9	22	0	1	0	0
2021-04-26	9:32	9:50	AWAR KM 42	100-300	0	0	0	0	0	0	0	0	0	32	0	0
2021-04-26	9:52	10:26	AWAR KM 42	>1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-04-26	13:54	14:29	AWAR KM 58	300-1000	13	1	0	36	0	0	7	1	0	42	0	0
2021-04-26	14:51	15:25	AWAR KM 78	100-300	0	0	0	26	0	0	0	0	0	26	0	0
2021-04-29	8:06	8:41	Amaruq KM 119	300-1000	19	3	0	0	0	0	18	4	0	0	0	0
2021-04-29	9:05	9:40	Amaruq KM 119	300-1000	17	0	0	0	0	0	17	0	0	0	0	0
2021-04-29	9:55	10:01	Amaruq KM 119	300-1000	17	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	10:04	10:36	Amaruq KM 119	300-1000	17	0	0	0	0	0	17	0	0	0	0	0
2021-04-29	14:56	14:59	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	15:00	15:03	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	15:04	15:31	Amaruq KM 128	300-1000	15	0	0	0	0	0	15	0	0	0	0	0
2021-04-30	8:46	9:13	AWAR KM 93	300-1000	0	0	0	94	0	0	0	0	0	33	0	5
2021-04-30	12:12	13:00	Amaruq KM 178	100-300	9	0	0	4	0	0	7	0	0	0	0	0
2021-05-01	7:21	7:50	AWAR KM 102	0-50	0	7	0	0	0	0	0	7	0	0	0	0
2021-05-01	8:10	8:44	AWAR KM 98	100-300	18	0	0	6	0	0	6	0	0	16	0	2

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2021-04-13	16:40	17:12	AWAR KM 85	300-1000	5	10	0	0	0	0	3	11	0	0	0
2021-04-14	5:43	7:16	AWAR KM 96	50-100	18	8	0	15	0	0	14	10	0	17	0
2021-04-14	6:58	7:33	AWAR KM 90	300-1000	NA	NA	NA	NA	NA	NA	32	0	0	30	0
2021-04-14	11:56	12:31	AWAR KM 44	300-1000	76	0	0	0	0	0	75	0	0	1	0
2021-04-14	13:40	14:11	AWAR KM 72	>1000	57	0	0	13	0	0	55	0	0	5	0
2021-04-18	8:34	9:03	AWAR KM 43	300-1000	38	18	1	2	0	0	31	16	1	4	0
2021-04-18	9:04	9:20	AWAR KM 43	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-19	8:00	8:34	AWAR KM 53	100-300	6	0	0	0	0	0	6	0	0	0	0
2021-04-19	8:45	9:17	AWAR KM 52	>1000	2	4	0	0	0	0	1	5	0	0	0
2021-04-19	15:49	16:22	Amaruq KM 103	0-50	1	13	0	0	0	0	1	13	0	0	0
2021-04-19	16:22	16:46	AWAR KM 103	300-1000	14	0	1	0	0	0	14	0	0	0	0
2021-04-19	16:56	17:11	Amaruq KM 103	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-20	16:39	17:22	AWAR KM 105	300-1000	9	0	1	0	0	0	8	0	2	0	0
2021-04-21	13:02	13:42	AWAR KM 38	300-1000	31	41	0	1	0	0	27	44	0	2	0
2021-04-22	16:20	16:52	AWAR KM 83	>1000	10	10	0	0	0	0	10	10	0	0	0
2021-04-23	8:56	9:33	AWAR KM 35	300-1000	9	0	0	53	0	0	0	0	0	62	0
2021-04-23	9:34	9:40	AWAR KM 35	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-23	10:17	10:54	AWAR KM 37	300-1000	11	9	0	0	0	0	10	8	0	3	0
2021-04-23	11:11	11:52	AWAR KM 12	300-1000	18	0	0	5	0	2	19	0	0	6	0
2021-04-23	11:15	11:55	AWAR KM 46	100-300	12	0	0	0	0	0	18	0	0	0	0
2021-04-23	12:41	13:19	AWAR KM 26	300-1000	30	10	5	30	0	0	5	10	0	20	0
2021-04-23	12:45	13:10	AWAR KM 61	300-1000	1	0	0	7	0	0	0	0	0	8	0
2021-04-23	14:46	15:25	AWAR KM 74	300-1000	0	9	0	0	0	0	0	9	0	0	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	12	0	0	2	0	0	12	0	0	2	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-25	12:52	13:29	AWAR KM 26	100-300	0	0	0	25	0	0	0	0	0	0	0
2021-04-25	14:32	15:04	AWAR KM 67	50-100	0	0	0	0	0	0	0	0	0	0	0
2021-04-26	8:15	9:00	AWAR KM (NA)	100-300	8	23	0	1	0	0	8	24	0	0	0
2021-04-26	9:32	9:50	AWAR KM 42	100-300	0	0	0	32	0	0	0	0	7	0	0
2021-04-26	9:52	10:26	AWAR KM 42	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-26	13:54	14:29	AWAR KM 58	300-1000	20	0	0	30	0	0	20	0	10	9	0
2021-04-26	14:51	15:25	AWAR KM 78	100-300	0	0	3	22	0	1	0	0	1	25	0
2021-04-29	8:06	8:41	Amaruq KM 119	300-1000	18	4	0	0	0	0	18	4	0	0	0
2021-04-29	9:05	9:40	Amaruq KM 119	300-1000	17	0	0	0	0	0	17	0	0	0	0
2021-04-29	9:55	10:01	Amaruq KM 119	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	10:04	10:36	Amaruq KM 119	300-1000	17	0	0	0	0	0	17	0	0	0	0
2021-04-29	14:56	14:59	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	15:00	15:03	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	15:04	15:31	Amaruq KM 128	300-1000	15	0	0	0	0	0	15	0	0	0	0
2021-04-30	8:46	9:13	AWAR KM 93	300-1000	0	0	0	40	0	10	0	0	0	33	0
2021-04-30	12:12	13:00	Amaruq KM 178	100-300	9	0	0	0	0	0	7	0	0	0	0
2021-05-01	7:21	7:50	AWAR KM 102	0-50	0	7	0	0	0	0	0	7	0	0	0
2021-05-01	8:10	8:44	AWAR KM 98	100-300	0	0	0	17	0	0	0	0	0	9	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2021-04-13	16:40	17:12	AWAR KM 85	300-1000	0	1	11	0	0	0	0	1	11	0	0
2021-04-14	5:43	7:16	AWAR KM 96	50-100	0	14	10	0	2	0	0	17	11	0	0
2021-04-14	6:58	7:33	AWAR KM 90	300-1000	0	11	0	0	51	0	0	0	0	0	62
2021-04-14	11:56	12:31	AWAR KM 44	300-1000	0	59	0	0	16	1	0	44	0	0	32
2021-04-14	13:40	14:11	AWAR KM 72	>1000	0	54	0	0	6	0	0	53	0	0	7
2021-04-18	8:34	9:03	AWAR KM 43	300-1000	0	24	24	0	0	4	0	24	24	0	2
2021-04-18	9:04	9:20	AWAR KM 43	300-1000	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2021-04-19	8:00	8:34	AWAR KM 53	100-300	0	6	0	0	0	0	0	6	0	0	0
2021-04-19	8:45	9:17	AWAR KM 52	>1000	0	1	5	0	0	0	0	2	4	0	0
2021-04-19	15:49	16:22	Amaruq KM 103	0-50	0	2	12	0	0	0	0	3	11	0	0
2021-04-19	16:22	16:46	AWAR KM 103	300-1000	0	14	0	0	0	0	0	14	0	0	0
2021-04-19	16:56	17:11	Amaruq KM 103	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-20	16:39	17:22	AWAR KM 105	300-1000	0	8	0	0	2	0	0	9	1	0	2
2021-04-21	13:02	13:42	AWAR KM 38	300-1000	0	31	42	0	0	0	0	22	51	0	0
2021-04-22	16:20	16:52	AWAR KM 83	>1000	0	10	10	0	0	0	0	10	10	0	0
2021-04-23	8:56	9:33	AWAR KM 35	300-1000	0	0	0	0	62	0	0	0	0	0	62
2021-04-23	9:34	9:40	AWAR KM 35	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-23	10:17	10:54	AWAR KM 37	300-1000	0	9	12	0	0	0	0	7	13	0	1
2021-04-23	11:11	11:52	AWAR KM 12	300-1000	0	22	0	1	2	0	0	13	3	5	2
2021-04-23	11:15	11:55	AWAR KM 46	100-300	0	18	0	0	0	0	0	14	0	0	0
2021-04-23	12:41	13:19	AWAR KM 26	300-1000	0	5	15	0	4	0	0	5	20	0	0
2021-04-23	12:45	13:10	AWAR KM 61	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-23	14:46	15:25	AWAR KM 74	300-1000	0	0	9	0	0	0	0	0	9	0	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	0	12	0	0	0	0	0	12	0	0	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-25	12:52	13:29	AWAR KM 26	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-04-25	14:32	15:04	AWAR KM 67	50-100	0	0	0	0	0	0	0	0	0	0	0
2021-04-26	8:15	9:00	AWAR KM (NA)	100-300	0	10	22	0	0	0	0	10	22	0	0
2021-04-26	9:32	9:50	AWAR KM 42	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-04-26	9:52	10:26	AWAR KM 42	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-26	13:54	14:29	AWAR KM 58	300-1000	0	10	2	5	23	0	0	10	0	10	28
2021-04-26	14:51	15:25	AWAR KM 78	100-300	0	0	0	0	26	0	0	0	0	0	26
2021-04-29	8:06	8:41	Amaruq KM 119	300-1000	0	15	7	0	0	0	0	7	15	0	0
2021-04-29	9:05	9:40	Amaruq KM 119	300-1000	0	17	0	0	0	0	0	17	0	0	0
2021-04-29	9:55	10:01	Amaruq KM 119	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	10:04	10:36	Amaruq KM 119	300-1000	0	17	0	0	0	0	0	0	0	0	0
2021-04-29	14:56	14:59	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	15:00	15:03	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	15:04	15:31	Amaruq KM 128	300-1000	0	15	0	0	0	0	0	15	0	0	0
2021-04-30	8:46	9:13	AWAR KM 93	300-1000	5	0	0	0	24	2	0	0	0	0	9
2021-04-30	12:12	13:00	Amaruq KM 178	100-300	0	8	0	0	0	0	0	9	0	0	0
2021-05-01	7:21	7:50	AWAR KM 102	0-50	0	0	7	0	0	0	0	0	7	0	0
2021-05-01	8:10	8:44	AWAR KM 98	100-300	0	10	0	0	0	0	0	0	0	0	12

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2021-04-13	16:40	17:12	AWAR KM 85	300-1000	0	0	1	9	0	4	0	0	1	12	1
2021-04-14	5:43	7:16	AWAR KM 96	50-100	1	0	14	9	0	2	0	0	20	9	0
2021-04-14	6:58	7:33	AWAR KM 90	300-1000	0	0	0	0	0	62	0	0	0	0	0
2021-04-14	11:56	12:31	AWAR KM 44	300-1000	0	0	34	0	0	42	0	0	21	0	0
2021-04-14	13:40	14:11	AWAR KM 72	>1000	0	0	59	0	0	1	0	0	60	0	0
2021-04-18	8:34	9:03	AWAR KM 43	300-1000	2	0	26	26	0	0	0	0	24	26	1
2021-04-18	9:04	9:20	AWAR KM 43	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2021-04-19	8:00	8:34	AWAR KM 53	100-300	0	0	4	0	0	0	2	0	1	0	0
2021-04-19	8:45	9:17	AWAR KM 52	>1000	0	0	1	3	0	2	0	0	2	4	0
2021-04-19	15:49	16:22	Amaruq KM 103	0-50	0	0	4	10	0	0	0	0	14	0	0
2021-04-19	16:22	16:46	AWAR KM 103	300-1000	0	0	7	0	0	5	2	0	NA	NA	NA
2021-04-19	16:56	17:11	Amaruq KM 103	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-20	16:39	17:22	AWAR KM 105	300-1000	0	0	9	2	1	0	0	0	8	2	0
2021-04-21	13:02	13:42	AWAR KM 38	300-1000	0	0	21	52	0	0	0	0	14	59	0
2021-04-22	16:20	16:52	AWAR KM 83	>1000	0	0	11	9	0	0	0	0	11	9	0
2021-04-23	8:56	9:33	AWAR KM 35	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-23	9:34	9:40	AWAR KM 35	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-23	10:17	10:54	AWAR KM 37	300-1000	0	0	9	11	0	1	0	0	9	11	0
2021-04-23	11:11	11:52	AWAR KM 12	300-1000	0	0	9	10	1	0	0	0	7	10	0
2021-04-23	11:15	11:55	AWAR KM 46	100-300	0	0	14	0	0	0	0	0	14	0	0
2021-04-23	12:41	13:19	AWAR KM 26	300-1000	0	0	0	25	0	0	0	0	2	23	0
2021-04-23	12:45	13:10	AWAR KM 61	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-23	14:46	15:25	AWAR KM 74	300-1000	0	0	0	9	0	0	0	0	0	9	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	0	0	12	0	0	0	0	0	12	0	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-25	12:52	13:29	AWAR KM 26	100-300	0	0	10	0	0	40	0	0	15	0	10
2021-04-25	14:32	15:04	AWAR KM 67	50-100	0	0	0	0	0	0	0	0	0	0	0
2021-04-26	8:15	9:00	AWAR KM (NA)	100-300	0	0	9	22	0	1	0	0	6	26	0
2021-04-26	9:32	9:50	AWAR KM 42	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-04-26	9:52	10:26	AWAR KM 42	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-26	13:54	14:29	AWAR KM 58	300-1000	0	0	10	15	0	6	0	0	15	1	5
2021-04-26	14:51	15:25	AWAR KM 78	100-300	0	0	0	0	0	24	4	0	0	0	0
2021-04-29	8:06	8:41	Amaruq KM 119	300-1000	0	0	16	6	0	0	0	0	16	6	0
2021-04-29	9:05	9:40	Amaruq KM 119	300-1000	0	0	17	0	0	0	0	0	17	0	0
2021-04-29	9:55	10:01	Amaruq KM 119	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	10:04	10:36	Amaruq KM 119	300-1000	0	0	6	0	0	0	0	0	6	0	0
2021-04-29	14:56	14:59	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	15:00	15:03	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-29	15:04	15:31	Amaruq KM 128	300-1000	0	0	14	0	0	1	0	0	0	0	0
2021-04-30	8:46	9:13	AWAR KM 93	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-04-30	12:12	13:00	Amaruq KM 178	100-300	0	0	9	0	0	2	0	0	6	0	0
2021-05-01	7:21	7:50	AWAR KM 102	0-50	0	0	0	7	0	0	0	0	0	7	0
2021-05-01	8:10	8:44	AWAR KM 98	100-300	0	0	0	0	0	12	0	0	6	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2021-04-13	16:40	17:12	AWAR KM 85	300-1000	0	0	0	1	13	0	0	0	0
2021-04-14	5:43	7:16	AWAR KM 96	50-100	0	0	0	17	9	0	4	0	0
2021-04-14	6:58	7:33	AWAR KM 90	300-1000	62	0	0	0	0	0	62	0	0
2021-04-14	11:56	12:31	AWAR KM 44	300-1000	55	0	0	10	0	0	63	3	0
2021-04-14	13:40	14:11	AWAR KM 72	>1000	0	0	0	60	0	0	0	0	0
2021-04-18	8:34	9:03	AWAR KM 43	300-1000	1	0	0	20	22	0	10	0	0
2021-04-18	9:04	9:20	AWAR KM 43	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2021-04-19	8:00	8:34	AWAR KM 53	100-300	0	0	0	4	0	0	0	1	0
2021-04-19	8:45	9:17	AWAR KM 52	>1000	0	0	0	2	4	0	0	0	0
2021-04-19	15:49	16:22	Amaruq KM 103	0-50	0	0	0	12	0	0	0	2	0
2021-04-19	16:22	16:46	AWAR KM 103	300-1000	NA	NA	NA	4	3	0	0	0	0
2021-04-19	16:56	17:11	Amaruq KM 103	>1000	0	0	0	0	0	0	0	0	0
2021-04-20	16:39	17:22	AWAR KM 105	300-1000	1	1	0	10	3	0	3	0	0
2021-04-21	13:02	13:42	AWAR KM 38	300-1000	0	0	0	10	63	0	0	0	0
2021-04-22	16:20	16:52	AWAR KM 83	>1000	0	0	0	10	10	0	0	0	0
2021-04-23	8:56	9:33	AWAR KM 35	300-1000	0	0	0	0	0	0	0	0	0
2021-04-23	9:34	9:40	AWAR KM 35	300-1000	0	0	0	0	0	0	0	0	0
2021-04-23	10:17	10:54	AWAR KM 37	300-1000	0	0	0	6	15	0	0	0	0
2021-04-23	11:11	11:52	AWAR KM 12	300-1000	3	0	0	7	12	0	1	0	0
2021-04-23	11:15	11:55	AWAR KM 46	100-300	0	0	0	14	0	0	0	0	0
2021-04-23	12:41	13:19	AWAR KM 26	300-1000	0	0	0	3	18	0	0	0	1
2021-04-23	12:45	13:10	AWAR KM 61	300-1000	0	0	0	0	0	0	0	0	0
2021-04-23	14:46	15:25	AWAR KM 74	300-1000	0	0	0	0	9	0	0	0	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	0	0	0	12	0	0	0	0	0
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	0	0	0	0	0	0	0	0	0
2021-04-25	12:52	13:29	AWAR KM 26	100-300	20	0	0	8	0	0	25	0	0
2021-04-25	14:32	15:04	AWAR KM 67	50-100	0	0	0	0	0	0	0	0	0
2021-04-26	8:15	9:00	AWAR KM (NA)	100-300	0	0	0	7	25	0	0	0	0
2021-04-26	9:32	9:50	AWAR KM 42	100-300	0	0	0	0	0	0	0	0	0
2021-04-26	9:52	10:26	AWAR KM 42	>1000	0	0	0	0	0	0	0	0	0
2021-04-26	13:54	14:29	AWAR KM 58	300-1000	6	0	0	16	2	3	5	0	0
2021-04-26	14:51	15:25	AWAR KM 78	100-300	10	0	0	0	0	0	5	0	0
2021-04-29	8:06	8:41	Amaruq KM 119	300-1000	0	0	0	15	7	0	0	0	0
2021-04-29	9:05	9:40	Amaruq KM 119	300-1000	0	0	0	17	0	0	0	0	0
2021-04-29	9:55	10:01	Amaruq KM 119	300-1000	0	0	0	0	0	0	0	0	0
2021-04-29	10:04	10:36	Amaruq KM 119	300-1000	0	0	0	9	0	0	1	0	0
2021-04-29	14:56	14:59	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0
2021-04-29	15:00	15:03	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0
2021-04-29	15:04	15:31	Amaruq KM 128	300-1000	0	0	0	0	0	0	0	0	0
2021-04-30	8:46	9:13	AWAR KM 93	300-1000	0	0	0	0	0	0	0	0	0
2021-04-30	12:12	13:00	Amaruq KM 178	100-300	4	0	0	9	0	0	1	0	0
2021-05-01	7:21	7:50	AWAR KM 102	0-50	0	0	0	0	7	0	0	0	0
2021-05-01	8:10	8:44	AWAR KM 98	100-300	6	0	0	0	0	0	14	0	0

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2021-04-13	16:40	17:12	AWAR KM 85	300-1000	NA	NA	NA	NA	NA	NA
2021-04-14	5:43	7:16	AWAR KM 96	50-100	NA	NA	Road maintenance	NA	NA	NA
2021-04-14	6:58	7:33	AWAR KM 90	300-1000	NA	NA	NA	NA	NA	NA
2021-04-14	11:56	12:31	AWAR KM 44	300-1000	NA	NA	NA	NA	NA	NA
2021-04-14	13:40	14:11	AWAR KM 72	>1000	NA	NA	NA	NA	NA	NA
2021-04-18	8:34	9:03	AWAR KM 43	300-1000	NA	NA	NA	NA	NA	NA
2021-04-18	9:04	9:20	AWAR KM 43	300-1000	NA	NA	NA	NA	NA	NA
2021-04-19	8:00	8:34	AWAR KM 53	100-300	NA	NA	NA	NA	Light trucks, tankers, convoy	NA
2021-04-19	8:45	9:17	AWAR KM 52	>1000	NA	NA	NA	NA	NA	NA
2021-04-19	15:49	16:22	Amaruq KM 103	0-50	NA	NA	NA	NA	NA	Roll-off truck
2021-04-19	16:22	16:46	AWAR KM 103	300-1000	NA	NA	NA	NA	NA	NA
2021-04-19	16:56	17:11	Amaruq KM 103	>1000	Road maintenance	NA	NA	NA	NA	NA
2021-04-20	16:39	17:22	AWAR KM 105	300-1000	NA	NA	NA	NA	NA	Light truck, road maintenance
2021-04-21	13:02	13:42	AWAR KM 38	300-1000	NA	NA	NA	NA	NA	NA
2021-04-22	16:20	16:52	AWAR KM 83	>1000	NA	NA	NA	NA	NA	NA
2021-04-23	8:56	9:33	AWAR KM 35	300-1000	NA	NA	NA	NA	Light truck	NA
2021-04-23	9:34	9:40	AWAR KM 35	300-1000	NA	NA	NA	NA	NA	NA
2021-04-23	10:17	10:54	AWAR KM 37	300-1000	NA	NA	NA	NA	NA	NA
2021-04-23	11:11	11:52	AWAR KM 12	300-1000	NA	NA	NA	NA	NA	NA
2021-04-23	11:15	11:55	AWAR KM 46	100-300	NA	NA	NA	NA	NA	NA
2021-04-23	12:41	13:19	AWAR KM 26	300-1000	NA	NA	NA	NA	NA	NA
2021-04-23	12:45	13:10	AWAR KM 61	300-1000	NA	NA	NA	NA	NA	NA
2021-04-23	14:46	15:25	AWAR KM 74	300-1000	NA	NA	NA	NA	NA	NA
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	NA	NA	NA	NA	NA	NA
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	NA	Tanker	NA	NA	NA	NA
2021-04-25	12:52	13:29	AWAR KM 26	100-300	NA	NA	NA	NA	NA	NA
2021-04-25	14:32	15:04	AWAR KM 67	50-100	NA	NA	NA	NA	NA	NA
2021-04-26	8:15	9:00	AWAR KM (NA)	100-300	NA	NA	NA	NA	NA	NA
2021-04-26	9:32	9:50	AWAR KM 42	100-300	NA	Light truck, tankers, snow ploughs	NA	NA	NA	NA
2021-04-26	9:52	10:26	AWAR KM 42	>1000	NA	NA	NA	NA	NA	NA
2021-04-26	13:54	14:29	AWAR KM 58	300-1000	NA	NA	NA	NA	NA	NA
2021-04-26	14:51	15:25	AWAR KM 78	100-300	NA	NA	NA	NA	NA	NA
2021-04-29	8:06	8:41	Amaruq KM 119	300-1000	NA	NA	NA	NA	NA	Light truck
2021-04-29	9:05	9:40	Amaruq KM 119	300-1000	NA	NA	NA	NA	NA	NA
2021-04-29	9:55	10:01	Amaruq KM 119	300-1000	NA	NA	Convoy	NA	NA	NA
2021-04-29	10:04	10:36	Amaruq KM 119	300-1000	NA	NA	Light truck	NA	NA	NA
2021-04-29	14:56	14:59	Amaruq KM 128	300-1000	NA	Snow plough	NA	NA	NA	NA
2021-04-29	15:00	15:03	Amaruq KM 128	300-1000	2 tankers, 4 pickup, 1 emulsion, 2 cubes, 3 buses	NA	NA	NA	NA	NA
2021-04-29	15:04	15:31	Amaruq KM 128	300-1000	NA	NA	NA	NA	NA	NA
2021-04-30	8:46	9:13	AWAR KM 93	300-1000	NA	Snow plough	NA	NA	NA	NA
2021-04-30	12:12	13:00	Amaruq KM 178	100-300	NA	NA	NA	NA	NA	NA
2021-05-01	7:21	7:50	AWAR KM 102	0-50	NA	NA	NA	NA	NA	NA
2021-05-01	8:10	8:44	AWAR KM 98	100-300	NA	NA	Snow plough	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2021-04-13	16:40	17:12	AWAR KM 85	300-1000	NA	NA	NA	NA	NA	2021	-96.2614	64.93886	NA
2021-04-14	5:43	7:16	AWAR KM 96	50-100	NA	NA	NA	NA	NA	2021	-96.1809	65.0181	NA
2021-04-14	6:58	7:33	AWAR KM 90	300-1000	NA	NA	NA	NA	NA	2021	-96.2221	64.97501	NA
2021-04-14	11:56	12:31	AWAR KM 44	300-1000	Tanker	Light truck	NA	NA	NA	2021	-96.3035	64.64171	NA
2021-04-14	13:40	14:11	AWAR KM 72	>1000	Light truck	NA	NA	NA	NA	2021	-96.3238	64.85386	NA
2021-04-18	8:34	9:03	AWAR KM 43	300-1000	Convoy	NA	NA	NA	NA	2021	-96.3007	64.63477	NA
2021-04-18	9:04	9:20	AWAR KM 43	300-1000	NA	NA	NA	NA	NA	2021	-96.3007	64.63477	NA
2021-04-19	8:00	8:34	AWAR KM 53	100-300	NA	NA	NA	NA	NA	2021	-96.3754	64.70401	NA
2021-04-19	8:45	9:17	AWAR KM 52	>1000	NA	NA	NA	NA	NA	2021	-96.3629	64.7111	NA
2021-04-19	15:49	16:22	Amaruq KM 103	0-50	NA	NA	NA	Roll-off truck	NA	2021	-96.1007	65.0466	NA
2021-04-19	16:22	16:46	AWAR KM 103	300-1000	NA	Road maintenance	NA	NA	NA	2021	-96.1007	65.04659	NA
2021-04-19	16:56	17:11	Amaruq KM 103	>1000	NA	NA	NA	NA	NA	2021	-96.1007	65.04665	NA
2021-04-20	16:39	17:22	AWAR KM 105	300-1000	NA	NA	NA	Snow plough	NA	2021	-96.085	65.02732	NA
2021-04-21	13:02	13:42	AWAR KM 38	300-1000	NA	NA	NA	NA	NA	2021	-96.2807	64.6182	NA
2021-04-22	16:20	16:52	AWAR KM 83	>1000	NA	NA	NA	NA	NA	2021	-96.2243	64.95718	NA
2021-04-23	8:56	9:33	AWAR KM 35	300-1000	NA	NA	Light truck	NA	NA	2021	-96.2418	64.57277	NA
2021-04-23	9:34	9:40	AWAR KM 35	300-1000	NA	NA	NA	NA	NA	2021	-96.2443	64.57386	NA
2021-04-23	10:17	10:54	AWAR KM 37	300-1000	NA	NA	NA	NA	NA	2021	-96.2719	64.58578	NA
2021-04-23	11:11	11:52	AWAR KM 12	300-1000	NA	NA	NA	NA	NA	2021	-96.0274	64.41047	NA
2021-04-23	11:15	11:55	AWAR KM 46	100-300	NA	NA	NA	NA	NA	2021	-96.3314	64.65628	NA
2021-04-23	12:41	13:19	AWAR KM 26	300-1000	NA	NA	NA	NA	NA	2021	-96.1614	64.52384	NA
2021-04-23	12:45	13:10	AWAR KM 61	300-1000	NA	NA	NA	NA	NA	2021	-96.3577	64.76065	NA
2021-04-23	14:46	15:25	AWAR KM 74	300-1000	NA	NA	NA	NA	NA	2021	-96.3289	64.8744	NA
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	NA	NA	NA	NA	NA	2021	-96.3279	64.81094	NA
2021-04-24	7:52	8:41	AWAR KM 66	300-1000	NA	NA	NA	NA	NA	2021	-96.3279	64.81094	NA
2021-04-25	12:52	13:29	AWAR KM 26	100-300	NA	NA	NA	NA	NA	2021	-96.1613	64.52151	NA
2021-04-25	14:32	15:04	AWAR KM 67	50-100	NA	NA	NA	NA	NA	2021	-96.3275	64.81812	NA
2021-04-26	8:15	9:00	AWAR KM (NA)	100-300	NA	NA	NA	NA	NA	2021	-96.2939	64.62689	NA
2021-04-26	9:32	9:50	AWAR KM 42	100-300	NA	NA	NA	NA	NA	2021	-96.2939	64.62685	NA
2021-04-26	9:52	10:26	AWAR KM 42	>1000	NA	NA	NA	NA	NA	2021	-96.2939	64.62686	NA
2021-04-26	13:54	14:29	AWAR KM 58	300-1000	NA	NA	NA	NA	NA	2021	-96.3659	64.74499	NA
2021-04-26	14:51	15:25	AWAR KM 78	100-300	NA	NA	Snow plough	NA	NA	2021	-96.342	64.8845	NA
2021-04-29	8:06	8:41	Amaruq KM 119	300-1000	NA	NA	NA	NA	NA	2021	-96.0668	65.09567	NA
2021-04-29	9:05	9:40	Amaruq KM 119	300-1000	NA	NA	NA	NA	NA	2021	-96.0671	65.09587	NA
2021-04-29	9:55	10:01	Amaruq KM 119	300-1000	NA	NA	NA	NA	NA	2021	-96.0671	65.09587	NA
2021-04-29	10:04	10:36	Amaruq KM 119	300-1000	NA	NA	NA	NA	NA	2021	-96.0671	65.09588	NA
2021-04-29	14:56	14:59	Amaruq KM 128	300-1000	NA	NA	NA	NA	NA	2021	-96.1315	65.15875	NA
2021-04-29	15:00	15:03	Amaruq KM 128	300-1000	NA	NA	NA	NA	NA	2021	-96.1315	65.15875	NA
2021-04-29	15:04	15:31	Amaruq KM 128	300-1000	NA	NA	NA	NA	NA	2021	-96.1315	65.15875	NA
2021-04-30	8:46	9:13	AWAR KM 93	300-1000	NA	NA	NA	NA	NA	2021	-96.215	65.00686	NA
2021-04-30	12:12	13:00	Amaruq KM 178	100-300	NA	NA	NA	NA	NA	2021	-96.6219	65.40086	NA
2021-05-01	7:21	7:50	AWAR KM 102	0-50	NA	NA	NA	NA	NA	2021	-96.1407	65.05651	NA
2021-05-01	8:10	8:44	AWAR KM 98	100-300	NA	NA	NA	NA	NA	2021	-96.1407	65.05654	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2021-05-01	9:09	9:27	AWAR KM 16	>1000	Michael Schumacher	NA	270	West	No	64	-13	37	NA	NA
2021-05-01	9:15	9:22	AWAR KM 98	300-1000	KN	NA	280	West	No	24	-16	41	NA	NA
2021-05-01	9:23	9:32	AWAR KM 98	300-1000	KN	NA	280	West	No	24	-16	41	NA	NA
2021-05-01	9:51	10:16	AWAR KM 20	100-300	Michael Schumacher	NA	280	Both	Yes	5	-14	40	NA	NA
2021-05-01	10:28	10:46	AWAR KM 24	300-1000	Michael Schumacher	NA	320	West	No	10	-14	40	NA	NA
2021-05-02	8:05	8:33	AWAR KM 106	0-50	KN	NA	90	East	No	16	-6	39	NA	NA
2021-05-02	9:00	9:30	AWAR KM 106	0-50	KN	NA	90	East	No	7	-6	39	NA	NA
2021-05-02	9:35	9:35	AWAR KM 102	100-300	KN	NA	45	East	No	7	-6	39	NA	NA
2021-05-02	9:36	9:52	AWAR KM 102	50-100	KN	NA	75	West	No	7	-6	39	NA	NA
2021-05-02	11:01	11:33	AWAR KM 18	300-1000	Michael Schumacher	NA	290	West	No	63	-2	37	NA	NA
2021-05-02	14:11	14:28	AWAR KM 23	300-1000	KN	NA	0	West	No	22	-6	39	NA	NA
2021-05-02	14:32	15:07	AWAR KM 23	>1000	KN	NA	270	West	No	22	-6	39	NA	NA
2021-05-02	14:40	14:01	AWAR KM 23	>1000	KN	NA	270	West	No	22	-6	39	NA	NA
2021-05-03	9:51	10:15	AWAR KM 92	>1000	Laurence Archambault	NA	45	West	No	22	0	14	NA	NA
2021-05-03	10:51	11:21	AWAR KM 68	300-1000	Laurence Archambault	NA	5	West	No	8	1	12	NA	NA
2021-05-03	13:52	14:21	Amaruq KM 147	0-50	Laurence Archambault	NA	-90	West	No	5	1	11	NA	NA
2021-05-03	14:21	14:39	Amaruq KM 147	300-1000	Laurence Archambault	NA	-85	West	No	6	1	11	NA	NA
2021-05-04	8:57	9:09	Amaruq KM 177	300-1000	LA, CM	NA	15	West	No	55	0	6	NA	NA
2021-05-04	10:00	10:30	AWAR KM 22	300-1000	KN	NA	285	West	No	42	1	8	NA	NA
2021-05-04	10:09	10:40	Amaruq KM 161	300-1000	LA, CM	NA	5	West	No	35	1	9	NA	NA
2021-05-04	10:35	11:05	AWAR KM 24	300-1000	KN	NA	280	West	No	10	1	8	NA	NA
2021-05-05	10:53	11:20	AWAR KM 16	300-1000	KN	NA	90	West	No	25	0	13	NA	NA
2021-05-05	13:26	14:10	Amaruq KM 178	50-100	OJ KAK	NA	45	West	No	49	0	NA	NA	NA
2021-05-06	12:17	12:42	Amaruq KM 178	100-300	LA, CM	NA	45	West	No	20	NA	NA	NA	NA
2021-05-06	12:42	13:14	Amaruq KM 178	100-300	LA, CM	NA	85	West	No	20	NA	NA	NA	NA
2021-05-06	13:52	14:31	AWAR KM 34	300-1000	OJ, KAK	NA	340	West	No	41	-1	37	NA	NA
2021-05-06	14:47	15:17	AWAR KM 39	300-1000	OJ, KAK	NA	330	West	No	10	-1	37	NA	NA
2021-05-07	8:14	8:26	AWAR KM 6	300-1000	Louis Dubois	NA	90	West	No	19	-5	20	NA	NA
2021-05-07	14:06	14:55	AWAR KM 44	300-1000	KAK, EF	NA	270	West	No	66	-2	28	NA	NA
2021-05-07	15:45	16:16	AWAR KM 59	300-1000	KAK, EF	NA	270	West	No	22	-2	28	NA	NA
2021-05-08	12:25	12:28	AWAR KM (NA)	300-1000	KAK, EF	NA	NA	West	No	41	-3	17	NA	NA
2021-05-08	12:58	13:30	AWAR KM 30	100-300	KAK, EF	NA	90	West	No	17	-3	17	NA	NA
2021-05-08	14:11	14:34	AWAR KM 51	300-1000	KAK, EF	NA	270	West	No	8	-1	21	NA	NA
2021-05-08	14:20	14:50	Amaruq KM 115	300-1000	KN	NA	280	West	No	33	-5	9	NA	NA
2021-05-08	15:05	15:35	Amaruq KM 122	100-300	KN	NA	270	West	No	36	-5	9	NA	NA
2021-05-08	15:48	16:18	Amaruq KM 125	100-300	KN	NA	270	West	No	2	-5	9	NA	NA
2021-05-08	15:58	16:33	AWAR KM 81	300-1000	KAK, EF	NA	270	West	No	2	-1	21	NA	NA
2021-05-09	10:48	11:25	AWAR KM 68	100-300	OJ, KAK	NA	320	East	No	2	-3	18	NA	NA
2021-05-10	8:10	8:50	AWAR KM 104	100-300	KAK	NA	90	West	No	1	-7	6	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2021-05-01	9:09	9:27	AWAR KM 16	>1000	NA	NA	NA	3	NA
2021-05-01	9:15	9:22	AWAR KM 98	300-1000	3	Blowing snow	1	1	NA
2021-05-01	9:23	9:32	AWAR KM 98	300-1000	3	Cloudy/foggy	1	1	NA
2021-05-01	9:51	10:16	AWAR KM 20	100-300	NA	NA	NA	4	NA
2021-05-01	10:28	10:46	AWAR KM 24	300-1000	NA	NA	NA	4	NA
2021-05-02	8:05	8:33	AWAR KM 106	0-50	4	Cloudy	3	5	Berm of rocks, sea can; other side of road is tailings; very close to site
2021-05-02	9:00	9:30	AWAR KM 106	0-50	4	Cloudy	1	2	NA
2021-05-02	9:35	9:35	AWAR KM 102	100-300	4	Light snow	1	2	NA
2021-05-02	9:36	9:52	AWAR KM 102	50-100	4	Light snow	1	2	NA
2021-05-02	11:01	11:33	AWAR KM 18	300-1000	NA	NA	NA	4	NA
2021-05-02	14:11	14:28	AWAR KM 23	300-1000	NA	NA	1	1	NA
2021-05-02	14:32	15:07	AWAR KM 23	>1000	40	NA	1	1	NA
2021-05-02	14:40	14:01	AWAR KM 23	>1000	4	Snow melting quickly	1	1	NA
2021-05-03	9:51	10:15	AWAR KM 92	>1000	0	Light snow	NA	NA	NA
2021-05-03	10:51	11:21	AWAR KM 68	300-1000	0	Light snow	NA	NA	NA
2021-05-03	13:52	14:21	Amaruq KM 147	0-50	0	Light snow	NA	NA	NA
2021-05-03	14:21	14:39	Amaruq KM 147	300-1000	0	Light snow	NA	NA	NA
2021-05-04	8:57	9:09	Amaruq KM 177	300-1000	0	Light snow, foggy	NA	NA	NA
2021-05-04	10:00	10:30	AWAR KM 22	300-1000	1	Very foggy in morning; light snow in afternoon and snow yesterday	0	0	"Height: 0,4 and Width 0,5"
2021-05-04	10:09	10:40	Amaruq KM 161	300-1000	0	Light snow, foggy	NA	NA	Bridge near
2021-05-04	10:35	11:05	AWAR KM 24	300-1000	1	Very foggy in morning; light snow in afternoon and snow yesterday	1	2	NA
2021-05-05	10:53	11:20	AWAR KM 16	300-1000	1	Light snow at the end of the day	1	2	Emergency sea can and big green sign that says to change channel
2021-05-05	13:26	14:10	Amaruq KM 178	50-100	NA	NA	NA	NA	None
2021-05-06	12:17	12:42	Amaruq KM 178	100-300	1	NA	NA	NA	NA
2021-05-06	12:42	13:14	Amaruq KM 178	100-300	NA	NA	NA	NA	NA
2021-05-06	13:52	14:31	AWAR KM 34	300-1000	0	Overcast	NA	NA	None
2021-05-06	14:47	15:17	AWAR KM 39	300-1000	0	Overcast, a bit foggy	NA	NA	Radio tower
2021-05-07	8:14	8:26	AWAR KM 6	300-1000	NA	NA	0	8	NA
2021-05-07	14:06	14:55	AWAR KM 44	300-1000	1	Partial sun	1	1	Sea can and bridge 800-1000 m north of truck (same direction that caribou approached from)
2021-05-07	15:45	16:16	AWAR KM 59	300-1000	1	Overcast	1	1	None
2021-05-08	12:25	12:28	AWAR KM (NA)	300-1000	2	Good visibility (no fog)	0	0	None
2021-05-08	12:58	13:30	AWAR KM 30	100-300	2	Overcast; fog has lifted in this area	1	1	None
2021-05-08	14:11	14:34	AWAR KM 51	300-1000	2	Overcast; fog has lifted in this area	1	1	None
2021-05-08	14:20	14:50	Amaruq KM 115	300-1000	NA	Cloudy	3	7	NA
2021-05-08	15:05	15:35	Amaruq KM 122	100-300	NA	Cloudy	6	3	NA
2021-05-08	15:48	16:18	Amaruq KM 125	100-300	NA	Sky clearing up	1	2	NA
2021-05-08	15:58	16:33	AWAR KM 81	300-1000	2	Sunny	1	1	None
2021-05-09	10:48	11:25	AWAR KM 68	100-300	3	Sunny	1	1	None
2021-05-10	8:10	8:50	AWAR KM 104	100-300	3	Overcast	1	1	None

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2021-05-01	9:09	9:27	AWAR KM 16	>1000	20	0	0	0	0	0	20	0	0	0	0	0
2021-05-01	9:15	9:22	AWAR KM 98	300-1000	0	0	0	17	3	4	2	0	0	22	0	0
2021-05-01	9:23	9:32	AWAR KM 98	300-1000	0	0	0	24	0	0	0	0	0	4	0	0
2021-05-01	9:51	10:16	AWAR KM 20	100-300	3	0	0	2	0	0	0	0	0	5	0	0
2021-05-01	10:28	10:46	AWAR KM 24	300-1000	0	0	0	10	0	0	0	0	0	8	0	2
2021-05-02	8:05	8:33	AWAR KM 106	0-50	0	16	0	0	0	0	0	16	0	0	0	0
2021-05-02	9:00	9:30	AWAR KM 106	0-50	7	0	0	0	0	0	7	0	0	0	0	0
2021-05-02	9:35	9:35	AWAR KM 102	100-300	5	0	0	0	2	0	5	0	0	0	0	2
2021-05-02	9:36	9:52	AWAR KM 102	50-100	4	0	0	3	0	0	7	0	0	0	0	0
2021-05-02	11:01	11:33	AWAR KM 18	300-1000	0	0	0	38	0	0	0	0	0	38	0	0
2021-05-02	14:11	14:28	AWAR KM 23	300-1000	0	0	0	22	0	0	0	0	0	22	0	0
2021-05-02	14:32	15:07	AWAR KM 23	>1000	5	0	0	14	3	0	0	0	0	19	0	3
2021-05-02	14:40	14:01	AWAR KM 23	>1000	0	0	0	17	0	0	0	0	0	17	0	0
2021-05-03	9:51	10:15	AWAR KM 92	>1000	0	0	0	22	0	0	0	0	0	22	0	0
2021-05-03	10:51	11:21	AWAR KM 68	300-1000	1	7	0	0	0	0	1	7	0	0	0	0
2021-05-03	13:52	14:21	Amaruq KM 147	0-50	5	0	0	0	0	0	4	0	0	0	1	0
2021-05-03	14:21	14:39	Amaruq KM 147	300-1000	0	0	0	0	6	0	0	0	6	0	0	0
2021-05-04	8:57	9:09	Amaruq KM 177	300-1000	55	0	0	0	0	0	55	0	0	0	0	0
2021-05-04	10:00	10:30	AWAR KM 22	300-1000	37	0	0	14	0	0	32	0	0	19	0	0
2021-05-04	10:09	10:40	Amaruq KM 161	300-1000	0	0	6	0	0	0	0	0	0	0	0	20
2021-05-04	10:35	11:05	AWAR KM 24	300-1000	0	0	0	12	0	0	0	0	0	11	0	1
2021-05-05	10:53	11:20	AWAR KM 16	300-1000	0	0	0	23	0	0	0	0	0	23	0	0
2021-05-05	13:26	14:10	Amaruq KM 178	50-100	46	0	0	2	0	0	48	0	1	1	0	0
2021-05-06	12:17	12:42	Amaruq KM 178	100-300	6	12	0	0	2	0	7	13	0	0	0	0
2021-05-06	12:42	13:14	Amaruq KM 178	100-300	0	20	0	0	0	0	0	5	0	1	0	0
2021-05-06	13:52	14:31	AWAR KM 34	300-1000	0	38	3	0	0	0	0	38	0	3	0	0
2021-05-06	14:47	15:17	AWAR KM 39	300-1000	10	0	0	0	0	0	9	0	0	1	0	0
2021-05-07	8:14	8:26	AWAR KM 6	300-1000	0	0	0	19	0	0	0	0	0	19	0	0
2021-05-07	14:06	14:55	AWAR KM 44	300-1000	0	0	0	20	0	0	0	0	0	20	0	0
2021-05-07	15:45	16:16	AWAR KM 59	300-1000	22	0	0	0	0	0	22	0	0	0	0	0
2021-05-08	12:25	12:28	AWAR KM (NA)	300-1000	0	0	0	41	0	0	0	0	0	41	0	0
2021-05-08	12:58	13:30	AWAR KM 30	100-300	0	0	0	17	0	0	0	0	0	17	0	0
2021-05-08	14:11	14:34	AWAR KM 51	300-1000	4	0	0	4	0	0	4	0	0	0	0	0
2021-05-08	14:20	14:50	Amaruq KM 115	300-1000	33	0	0	0	0	0	30	0	0	3	0	0
2021-05-08	15:05	15:35	Amaruq KM 122	100-300	24	12	0	0	0	0	18	13	0	1	0	0
2021-05-08	15:48	16:18	Amaruq KM 125	100-300	0	1	1	0	0	0	0	2	0	0	0	0
2021-05-08	15:58	16:33	AWAR KM 81	300-1000	2	0	0	0	0	0	2	0	0	0	0	0
2021-05-09	10:48	11:25	AWAR KM 68	100-300	2	0	0	0	0	0	1	0	1	0	0	0
2021-05-10	8:10	8:50	AWAR KM 104	100-300	0	1	0	0	0	0	0	1	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2021-05-01	9:09	9:27	AWAR KM 16	>1000	9	0	0	11	0	0	0	0	0	5	0	0
2021-05-01	9:15	9:22	AWAR KM 98	300-1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	9:23	9:32	AWAR KM 98	300-1000	0	0	0	4	0	0	0	0	0	0	0	0
2021-05-01	9:51	10:16	AWAR KM 20	100-300	1	0	0	4	0	0	0	0	0	3	0	2
2021-05-01	10:28	10:46	AWAR KM 24	300-1000	0	0	0	10	0	0	0	0	0	4	0	0
2021-05-02	8:05	8:33	AWAR KM 106	0-50	0	0	16	0	0	0	0	16	0	0	0	0
2021-05-02	9:00	9:30	AWAR KM 106	0-50	2	0	0	5	0	0	0	0	0	4	0	3
2021-05-02	9:35	9:35	AWAR KM 102	100-300	0	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	9:36	9:52	AWAR KM 102	50-100	7	0	0	0	0	0	7	0	0	0	0	0
2021-05-02	11:01	11:33	AWAR KM 18	300-1000	0	0	0	38	0	0	0	0	0	0	0	0
2021-05-02	14:11	14:28	AWAR KM 23	300-1000	0	0	0	22	0	0	0	0	0	22	0	0
2021-05-02	14:32	15:07	AWAR KM 23	>1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	14:40	14:01	AWAR KM 23	>1000	0	0	0	17	0	0	0	0	0	17	0	0
2021-05-03	9:51	10:15	AWAR KM 92	>1000	0	0	0	22	0	0	0	0	0	20	2	0
2021-05-03	10:51	11:21	AWAR KM 68	300-1000	1	7	0	0	0	0	1	7	0	0	0	0
2021-05-03	13:52	14:21	Amaruq KM 147	0-50	1	0	0	0	2	0	0	0	2	3	0	0
2021-05-03	14:21	14:39	Amaruq KM 147	300-1000	0	0	0	6	0	0	0	0	0	6	0	0
2021-05-04	8:57	9:09	Amaruq KM 177	300-1000	55	0	0	0	0	0	0	0	0	0	0	55
2021-05-04	10:00	10:30	AWAR KM 22	300-1000	25	0	0	26	0	0	16	0	0	35	0	0
2021-05-04	10:09	10:40	Amaruq KM 161	300-1000	5	0	0	11	4	0	5	0	0	15	0	0
2021-05-04	10:35	11:05	AWAR KM 24	300-1000	5	0	0	7	0	0	0	0	0	12	0	0
2021-05-05	10:53	11:20	AWAR KM 16	300-1000	0	0	0	23	0	0	0	0	0	25	0	0
2021-05-05	13:26	14:10	Amaruq KM 178	50-100	27	0	0	25	0	0	38	0	0	6	0	0
2021-05-06	12:17	12:42	Amaruq KM 178	100-300	9	7	0	0	4	0	4	16	0	0	0	0
2021-05-06	12:42	13:14	Amaruq KM 178	100-300	0	2	0	5	1	0	0	2	0	8	0	0
2021-05-06	13:52	14:31	AWAR KM 34	300-1000	0	33	1	7	0	0	0	0	0	41	0	0
2021-05-06	14:47	15:17	AWAR KM 39	300-1000	6	0	2	2	0	0	10	0	0	0	0	0
2021-05-07	8:14	8:26	AWAR KM 6	300-1000	0	0	0	19	0	0	0	0	0	0	0	0
2021-05-07	14:06	14:55	AWAR KM 44	300-1000	0	0	0	20	0	0	0	0	0	20	0	0
2021-05-07	15:45	16:16	AWAR KM 59	300-1000	22	0	0	0	0	0	22	0	0	0	0	0
2021-05-08	12:25	12:28	AWAR KM (NA)	300-1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-05-08	12:58	13:30	AWAR KM 30	100-300	0	0	0	17	0	0	0	0	0	17	0	0
2021-05-08	14:11	14:34	AWAR KM 51	300-1000	4	0	0	0	0	0	7	0	0	1	0	0
2021-05-08	14:20	14:50	Amaruq KM 115	300-1000	32	0	1	0	0	0	24	0	0	2	0	0
2021-05-08	15:05	15:35	Amaruq KM 122	100-300	17	14	0	1	0	0	16	15	0	1	0	0
2021-05-08	15:48	16:18	Amaruq KM 125	100-300	0	2	0	0	0	0	0	2	0	0	0	0
2021-05-08	15:58	16:33	AWAR KM 81	300-1000	1	0	1	0	0	0	2	0	0	0	0	0
2021-05-09	10:48	11:25	AWAR KM 68	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2021-05-10	8:10	8:50	AWAR KM 104	100-300	0	1	0	0	0	0	0	1	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2021-05-01	9:09	9:27	AWAR KM 16	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	9:15	9:22	AWAR KM 98	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	9:23	9:32	AWAR KM 98	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	9:51	10:16	AWAR KM 20	100-300	0	0	0	5	0	0	0	0	0	5	0
2021-05-01	10:28	10:46	AWAR KM 24	300-1000	0	0	0	3	0	1	0	0	0	0	0
2021-05-02	8:05	8:33	AWAR KM 106	0-50	0	16	0	0	0	0	0	16	0	0	0
2021-05-02	9:00	9:30	AWAR KM 106	0-50	4	0	3	0	0	0	5	1	1	1	0
2021-05-02	9:35	9:35	AWAR KM 102	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	9:36	9:52	AWAR KM 102	50-100	7	0	0	0	0	0	0	0	0	0	0
2021-05-02	11:01	11:33	AWAR KM 18	300-1000	0	0	0	0	0	0	0	0	0	38	0
2021-05-02	14:11	14:28	AWAR KM 23	300-1000	0	0	0	22	0	0	0	0	0	22	0
2021-05-02	14:32	15:07	AWAR KM 23	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	14:40	14:01	AWAR KM 23	>1000	0	0	0	17	0	0	0	0	0	17	0
2021-05-03	9:51	10:15	AWAR KM 92	>1000	0	0	0	21	1	0	0	0	0	6	0
2021-05-03	10:51	11:21	AWAR KM 68	300-1000	1	7	0	0	0	0	1	7	0	0	0
2021-05-03	13:52	14:21	Amaruq KM 147	0-50	0	0	0	4	2	0	0	6	0	0	0
2021-05-03	14:21	14:39	Amaruq KM 147	300-1000	0	0	0	3	0	0	0	0	0	0	0
2021-05-04	8:57	9:09	Amaruq KM 177	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-04	10:00	10:30	AWAR KM 22	300-1000	3	0	1	47	0	0	17	0	0	34	0
2021-05-04	10:09	10:40	Amaruq KM 161	300-1000	13	0	0	8	0	0	14	0	0	7	0
2021-05-04	10:35	11:05	AWAR KM 24	300-1000	7	0	0	5	0	0	2	0	0	10	0
2021-05-05	10:53	11:20	AWAR KM 16	300-1000	0	0	0	18	0	0	0	0	0	0	0
2021-05-05	13:26	14:10	Amaruq KM 178	50-100	28	0	0	1	0	0	25	0	0	0	0
2021-05-06	12:17	12:42	Amaruq KM 178	100-300	3	16	0	0	1	0	2	18	0	0	0
2021-05-06	12:42	13:14	Amaruq KM 178	100-300	0	2	0	10	0	0	10	0	0	2	1
2021-05-06	13:52	14:31	AWAR KM 34	300-1000	0	0	0	41	0	0	1	0	2	38	0
2021-05-06	14:47	15:17	AWAR KM 39	300-1000	8	0	0	2	0	0	9	0	0	1	0
2021-05-07	8:14	8:26	AWAR KM 6	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-07	14:06	14:55	AWAR KM 44	300-1000	0	0	0	20	0	0	0	0	0	17	0
2021-05-07	15:45	16:16	AWAR KM 59	300-1000	22	0	0	0	0	0	22	0	0	0	0
2021-05-08	12:25	12:28	AWAR KM (NA)	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-08	12:58	13:30	AWAR KM 30	100-300	0	0	0	17	0	0	7	0	0	1	0
2021-05-08	14:11	14:34	AWAR KM 51	300-1000	1	0	0	6	0	0	1	0	0	3	0
2021-05-08	14:20	14:50	Amaruq KM 115	300-1000	9	0	2	13	0	0	7	2	3	15	0
2021-05-08	15:05	15:35	Amaruq KM 122	100-300	13	17	0	2	0	0	14	17	1	0	0
2021-05-08	15:48	16:18	Amaruq KM 125	100-300	0	2	0	0	0	0	0	2	0	0	0
2021-05-08	15:58	16:33	AWAR KM 81	300-1000	2	0	0	0	0	0	2	0	0	0	0
2021-05-09	10:48	11:25	AWAR KM 68	100-300	1	0	0	1	0	0	0	0	0	2	0
2021-05-10	8:10	8:50	AWAR KM 104	100-300	0	1	0	0	0	0	0	1	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2021-05-01	9:09	9:27	AWAR KM 16	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	9:15	9:22	AWAR KM 98	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	9:23	9:32	AWAR KM 98	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	9:51	10:16	AWAR KM 20	100-300	0	0	0	0	5	0	0	0	0	0	5
2021-05-01	10:28	10:46	AWAR KM 24	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	8:05	8:33	AWAR KM 106	0-50	0	0	16	0	0	0	0	0	16	0	0
2021-05-02	9:00	9:30	AWAR KM 106	0-50	0	4	1	0	0	0	0	3	0	1	3
2021-05-02	9:35	9:35	AWAR KM 102	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	9:36	9:52	AWAR KM 102	50-100	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	11:01	11:33	AWAR KM 18	300-1000	0	0	0	0	3	0	35	0	0	0	38
2021-05-02	14:11	14:28	AWAR KM 23	300-1000	0	0	0	0	17	0	0	0	0	0	0
2021-05-02	14:32	15:07	AWAR KM 23	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	14:40	14:01	AWAR KM 23	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-03	9:51	10:15	AWAR KM 92	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-03	10:51	11:21	AWAR KM 68	300-1000	0	1	7	0	0	0	0	0	1	0	7
2021-05-03	13:52	14:21	Amaruq KM 147	0-50	0	0	6	0	0	0	0	0	6	0	0
2021-05-03	14:21	14:39	Amaruq KM 147	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-04	8:57	9:09	Amaruq KM 177	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-04	10:00	10:30	AWAR KM 22	300-1000	0	23	0	0	28	0	0	31	0	0	20
2021-05-04	10:09	10:40	Amaruq KM 161	300-1000	0	5	0	0	0	0	0	23	0	0	12
2021-05-04	10:35	11:05	AWAR KM 24	300-1000	0	0	0	0	0	0	0	0	0	0	7
2021-05-05	10:53	11:20	AWAR KM 16	300-1000	0	0	0	0	23	0	0	1	0	14	8
2021-05-05	13:26	14:10	Amaruq KM 178	50-100	0	14	0	0	13	0	0	23	0	6	0
2021-05-06	12:17	12:42	Amaruq KM 178	100-300	0	1	19	0	0	0	0	0	20	0	0
2021-05-06	12:42	13:14	Amaruq KM 178	100-300	0	13	0	0	0	0	0	12	0	0	1
2021-05-06	13:52	14:31	AWAR KM 34	300-1000	0	2	0	1	38	0	0	2	0	1	38
2021-05-06	14:47	15:17	AWAR KM 39	300-1000	0	7	0	0	3	0	0	8	0	0	2
2021-05-07	8:14	8:26	AWAR KM 6	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-07	14:06	14:55	AWAR KM 44	300-1000	0	0	0	0	3	0	0	3	0	0	14
2021-05-07	15:45	16:16	AWAR KM 59	300-1000	0	22	0	0	0	0	0	22	0	0	0
2021-05-08	12:25	12:28	AWAR KM (NA)	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-08	12:58	13:30	AWAR KM 30	100-300	0	0	0	0	17	0	0	1	0	0	15
2021-05-08	14:11	14:34	AWAR KM 51	300-1000	0	0	0	0	3	0	0	0	0	0	0
2021-05-08	14:20	14:50	Amaruq KM 115	300-1000	0	9	3	4	6	0	0	0	3	2	10
2021-05-08	15:05	15:35	Amaruq KM 122	100-300	0	16	16	0	0	0	0	17	16	0	0
2021-05-08	15:48	16:18	Amaruq KM 125	100-300	0	0	2	0	0	0	0	0	2	0	0
2021-05-08	15:58	16:33	AWAR KM 81	300-1000	0	2	0	0	0	0	0	2	0	0	0
2021-05-09	10:48	11:25	AWAR KM 68	100-300	0	0	0	1	1	0	0	2	0	0	0
2021-05-10	8:10	8:50	AWAR KM 104	100-300	0	0	1	0	0	0	0	0	1	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2021-05-01	9:09	9:27	AWAR KM 16	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	9:15	9:22	AWAR KM 98	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	9:23	9:32	AWAR KM 98	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	9:51	10:16	AWAR KM 20	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-05-01	10:28	10:46	AWAR KM 24	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	8:05	8:33	AWAR KM 106	0-50	0	0	0	16	0	0	0	0	0	16	0
2021-05-02	9:00	9:30	AWAR KM 106	0-50	0	0	3	0	0	3	0	2	8	0	0
2021-05-02	9:35	9:35	AWAR KM 102	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	9:36	9:52	AWAR KM 102	50-100	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	11:01	11:33	AWAR KM 18	300-1000	0	0	0	0	0	38	0	0	0	0	0
2021-05-02	14:11	14:28	AWAR KM 23	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	14:32	15:07	AWAR KM 23	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-02	14:40	14:01	AWAR KM 23	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-03	9:51	10:15	AWAR KM 92	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-03	10:51	11:21	AWAR KM 68	300-1000	0	0	0	0	3	5	0	0	0	0	0
2021-05-03	13:52	14:21	Amaruq KM 147	0-50	0	0	0	6	0	0	0	0	0	6	0
2021-05-03	14:21	14:39	Amaruq KM 147	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-04	8:57	9:09	Amaruq KM 177	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-04	10:00	10:30	AWAR KM 22	300-1000	0	0	40	0	0	11	0	0	23	0	0
2021-05-04	10:09	10:40	Amaruq KM 161	300-1000	0	0	35	0	0	0	0	0	35	0	0
2021-05-04	10:35	11:05	AWAR KM 24	300-1000	0	0	0	0	8	0	0	0	0	0	0
2021-05-05	10:53	11:20	AWAR KM 16	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-05	13:26	14:10	Amaruq KM 178	50-100	1	0	14	4	0	0	0	0	0	3	2
2021-05-06	12:17	12:42	Amaruq KM 178	100-300	0	0	2	18	0	0	0	0	0	0	0
2021-05-06	12:42	13:14	Amaruq KM 178	100-300	0	0	11	0	0	0	2	0	10	0	0
2021-05-06	13:52	14:31	AWAR KM 34	300-1000	0	0	7	0	0	34	0	0	18	0	0
2021-05-06	14:47	15:17	AWAR KM 39	300-1000	0	0	6	0	0	0	0	0	0	0	0
2021-05-07	8:14	8:26	AWAR KM 6	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-07	14:06	14:55	AWAR KM 44	300-1000	0	0	11	0	0	0	0	0	10	0	0
2021-05-07	15:45	16:16	AWAR KM 59	300-1000	0	0	20	0	0	0	0	0	16	0	0
2021-05-08	12:25	12:28	AWAR KM (NA)	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-08	12:58	13:30	AWAR KM 30	100-300	1	0	0	0	0	17	0	0	0	0	0
2021-05-08	14:11	14:34	AWAR KM 51	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-08	14:20	14:50	Amaruq KM 115	300-1000	0	0	0	3	0	5	0	0	0	3	0
2021-05-08	15:05	15:35	Amaruq KM 122	100-300	0	0	19	16	0	0	0	0	17	13	2
2021-05-08	15:48	16:18	Amaruq KM 125	100-300	0	0	0	0	2	0	0	0	0	0	0
2021-05-08	15:58	16:33	AWAR KM 81	300-1000	0	0	2	0	0	0	0	0	2	0	0
2021-05-09	10:48	11:25	AWAR KM 68	100-300	0	0	2	0	0	0	0	0	0	0	0
2021-05-10	8:10	8:50	AWAR KM 104	100-300	0	0	0	1	0	0	0	0	0	1	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2021-05-01	9:09	9:27	AWAR KM 16	>1000	0	0	0	0	0	0	0	0	0
2021-05-01	9:15	9:22	AWAR KM 98	300-1000	0	0	0	0	0	0	0	0	0
2021-05-01	9:23	9:32	AWAR KM 98	300-1000	0	0	0	0	0	0	0	0	0
2021-05-01	9:51	10:16	AWAR KM 20	100-300	0	0	0	0	0	0	0	0	0
2021-05-01	10:28	10:46	AWAR KM 24	300-1000	0	0	0	0	0	0	0	0	0
2021-05-02	8:05	8:33	AWAR KM 106	0-50	0	0	0	0	16	0	0	0	0
2021-05-02	9:00	9:30	AWAR KM 106	0-50	0	0	0	7	0	0	0	0	0
2021-05-02	9:35	9:35	AWAR KM 102	100-300	0	0	0	0	0	0	0	0	0
2021-05-02	9:36	9:52	AWAR KM 102	50-100	0	0	0	0	0	0	0	0	0
2021-05-02	11:01	11:33	AWAR KM 18	300-1000	38	0	0	0	0	0	38	0	0
2021-05-02	14:11	14:28	AWAR KM 23	300-1000	0	0	0	0	0	0	0	0	0
2021-05-02	14:32	15:07	AWAR KM 23	>1000	0	0	0	0	0	0	0	0	0
2021-05-02	14:40	14:01	AWAR KM 23	>1000	0	0	0	0	0	0	0	0	0
2021-05-03	9:51	10:15	AWAR KM 92	>1000	0	0	0	0	0	0	0	0	0
2021-05-03	10:51	11:21	AWAR KM 68	300-1000	7	0	0	0	0	0	0	0	0
2021-05-03	13:52	14:21	Amaruq KM 147	0-50	0	0	0	0	6	0	0	0	0
2021-05-03	14:21	14:39	Amaruq KM 147	300-1000	0	0	0	0	0	0	0	0	0
2021-05-04	8:57	9:09	Amaruq KM 177	300-1000	0	0	0	0	0	0	0	0	0
2021-05-04	10:00	10:30	AWAR KM 22	300-1000	14	0	14	36	0	0	15	0	0
2021-05-04	10:09	10:40	Amaruq KM 161	300-1000	0	0	0	35	0	0	0	0	0
2021-05-04	10:35	11:05	AWAR KM 24	300-1000	8	0	0	0	0	0	8	0	0
2021-05-05	10:53	11:20	AWAR KM 16	300-1000	0	0	0	0	0	0	0	0	0
2021-05-05	13:26	14:10	Amaruq KM 178	50-100	15	0	0	16	3	0	20	0	0
2021-05-06	12:17	12:42	Amaruq KM 178	100-300	0	0	0	0	0	0	0	0	0
2021-05-06	12:42	13:14	Amaruq KM 178	100-300	3	0	0	11	0	0	2	0	0
2021-05-06	13:52	14:31	AWAR KM 34	300-1000	1	0	0	11	0	0	0	0	3
2021-05-06	14:47	15:17	AWAR KM 39	300-1000	0	0	0	0	0	0	0	0	0
2021-05-07	8:14	8:26	AWAR KM 6	300-1000	0	0	0	0	0	0	0	0	0
2021-05-07	14:06	14:55	AWAR KM 44	300-1000	0	0	0	6	0	0	4	0	0
2021-05-07	15:45	16:16	AWAR KM 59	300-1000	0	0	0	12	0	0	0	0	0
2021-05-08	12:25	12:28	AWAR KM (NA)	300-1000	0	0	0	0	0	0	0	0	0
2021-05-08	12:58	13:30	AWAR KM 30	100-300	0	0	0	0	0	0	0	0	0
2021-05-08	14:11	14:34	AWAR KM 51	300-1000	0	0	0	0	0	0	0	0	0
2021-05-08	14:20	14:50	Amaruq KM 115	300-1000	0	0	0	0	3	0	0	0	0
2021-05-08	15:05	15:35	Amaruq KM 122	100-300	0	0	0	22	11	0	0	0	0
2021-05-08	15:48	16:18	Amaruq KM 125	100-300	2	0	0	2	0	0	0	0	0
2021-05-08	15:58	16:33	AWAR KM 81	300-1000	0	0	0	2	0	0	0	0	0
2021-05-09	10:48	11:25	AWAR KM 68	100-300	2	0	0	2	1	1	1	1	1
2021-05-10	8:10	8:50	AWAR KM 104	100-300	0	0	0	1	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2021-05-01	9:09	9:27	AWAR KM 16	>1000	NA	NA	NA	NA	NA	NA
2021-05-01	9:15	9:22	AWAR KM 98	300-1000	Tankers	NA	NA	NA	NA	NA
2021-05-01	9:23	9:32	AWAR KM 98	300-1000	NA	NA	NA	NA	NA	NA
2021-05-01	9:51	10:16	AWAR KM 20	100-300	NA	NA	NA	NA	NA	NA
2021-05-01	10:28	10:46	AWAR KM 24	300-1000	NA	NA	NA	NA	NA	NA
2021-05-02	8:05	8:33	AWAR KM 106	0-50	Grader, snow blower, light truck	NA	Loader	NA	Light truck	NA
2021-05-02	9:00	9:30	AWAR KM 106	0-50	NA	NA	Snow plough	Fuel truck	NA	NA
2021-05-02	9:35	9:35	AWAR KM 102	100-300	Convoy	NA	NA	NA	NA	NA
2021-05-02	9:36	9:52	AWAR KM 102	50-100	NA	NA	NA	NA	NA	NA
2021-05-02	11:01	11:33	AWAR KM 18	300-1000	NA	NA	NA	NA	NA	NA
2021-05-02	14:11	14:28	AWAR KM 23	300-1000	NA	NA	NA	NA	NA	NA
2021-05-02	14:32	15:07	AWAR KM 23	>1000	Convoy	NA	NA	NA	NA	NA
2021-05-02	14:40	14:01	AWAR KM 23	>1000	NA	NA	NA	NA	NA	NA
2021-05-03	9:51	10:15	AWAR KM 92	>1000	NA	NA	Light truck, heavy equipment	Snow plough	NA	NA
2021-05-03	10:51	11:21	AWAR KM 68	300-1000	NA	Light truck	NA	NA	NA	NA
2021-05-03	13:52	14:21	Amaruq KM 147	0-50	NA	Light truck, tankers	NA	NA	NA	Loader
2021-05-03	14:21	14:39	Amaruq KM 147	300-1000	Light truck, heavy equipment	NA	NA	NA	NA	NA
2021-05-04	8:57	9:09	Amaruq KM 177	300-1000	NA	NA	NA	NA	NA	NA
2021-05-04	10:00	10:30	AWAR KM 22	300-1000	NA	NA	NA	NA	NA	NA
2021-05-04	10:09	10:40	Amaruq KM 161	300-1000	NA	NA	NA	NA	NA	NA
2021-05-04	10:35	11:05	AWAR KM 24	300-1000	NA	NA	NA	NA	NA	NA
2021-05-05	10:53	11:20	AWAR KM 16	300-1000	NA	NA	NA	NA	NA	NA
2021-05-05	13:26	14:10	Amaruq KM 178	50-100	NA	NA	NA	NA	NA	NA
2021-05-06	12:17	12:42	Amaruq KM 178	100-300	NA	NA	NA	NA	NA	NA
2021-05-06	12:42	13:14	Amaruq KM 178	100-300	Heavy equipment	NA	Heavy equipment	Heavy equipment	NA	Heavy equipment
2021-05-06	13:52	14:31	AWAR KM 34	300-1000	NA	NA	NA	NA	NA	NA
2021-05-06	14:47	15:17	AWAR KM 39	300-1000	NA	NA	NA	NA	NA	Grader
2021-05-07	8:14	8:26	AWAR KM 6	300-1000	NA	NA	NA	NA	NA	NA
2021-05-07	14:06	14:55	AWAR KM 44	300-1000	NA	NA	NA	NA	NA	NA
2021-05-07	15:45	16:16	AWAR KM 59	300-1000	NA	NA	NA	NA	NA	NA
2021-05-08	12:25	12:28	AWAR KM (NA)	300-1000	NA	NA	NA	NA	NA	NA
2021-05-08	12:58	13:30	AWAR KM 30	100-300	NA	NA	Heavy equipment	NA	NA	NA
2021-05-08	14:11	14:34	AWAR KM 51	300-1000	NA	NA	NA	NA	NA	NA
2021-05-08	14:20	14:50	Amaruq KM 115	300-1000	NA	NA	NA	NA	NA	Heavy equipment, light truck
2021-05-08	15:05	15:35	Amaruq KM 122	100-300	NA	Tractor	NA	Tractor	NA	Tractor
2021-05-08	15:48	16:18	Amaruq KM 125	100-300	Heavy equipment	NA	Heavy equipment	NA	Heavy equipment	NA
2021-05-08	15:58	16:33	AWAR KM 81	300-1000	NA	NA	NA	Light truck	NA	NA
2021-05-09	10:48	11:25	AWAR KM 68	100-300	NA	Heavy equipment	NA	NA	NA	NA
2021-05-10	8:10	8:50	AWAR KM 104	100-300	NA	Heavy equipment	NA	Light truck	NA	NA

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2021-05-01	9:09	9:27	AWAR KM 16	>1000	NA	NA	NA	NA	NA	2021	-96.0619	64.44618	NA
2021-05-01	9:15	9:22	AWAR KM 98	300-1000	NA	NA	NA	NA	NA	2021	-96.1821	65.03578	NA
2021-05-01	9:23	9:32	AWAR KM 98	300-1000	NA	NA	NA	NA	NA	2021	-96.1598	65.0315	NA
2021-05-01	9:51	10:16	AWAR KM 20	100-300	NA	NA	NA	NA	NA	2021	-96.0993	64.48262	NA
2021-05-01	10:28	10:46	AWAR KM 24	300-1000	NA	NA	NA	NA	NA	2021	-96.0993	64.48262	NA
2021-05-02	8:05	8:33	AWAR KM 106	0-50	Light truck	NA	NA	Fuel truck	NA	2021	-96.0819	65.03001	NA
2021-05-02	9:00	9:30	AWAR KM 106	0-50	NA	NA	NA	NA	NA	2021	-96.082	65.03003	NA
2021-05-02	9:35	9:35	AWAR KM 102	100-300	NA	NA	NA	NA	NA	2021	-96.129	65.05358	NA
2021-05-02	9:36	9:52	AWAR KM 102	50-100	NA	NA	NA	NA	NA	2021	-96.129	65.05355	NA
2021-05-02	11:01	11:33	AWAR KM 18	300-1000	NA	NA	NA	NA	NA	2021	-96.0819	64.45973	NA
2021-05-02	14:11	14:28	AWAR KM 23	300-1000	NA	NA	NA	NA	NA	2021	-96.1253	64.50198	NA
2021-05-02	14:32	15:07	AWAR KM 23	>1000	NA	NA	NA	NA	NA	2021	-96.1429	64.51104	NA
2021-05-02	14:40	14:01	AWAR KM 23	>1000	NA	NA	NA	NA	NA	2021	-96.14	64.50952	NA
2021-05-03	9:51	10:15	AWAR KM 92	>1000	NA	NA	NA	NA	NA	2021	-96.0714	65.02307	NA
2021-05-03	10:51	11:21	AWAR KM 68	300-1000	NA	Snow plough	NA	NA	NA	2021	-96.3268	64.82032	NA
2021-05-03	13:52	14:21	Amaruq KM 147	0-50	NA	NA	NA	NA	NA	2021	-96.4184	65.22786	NA
2021-05-03	14:21	14:39	Amaruq KM 147	300-1000	NA	NA	NA	NA	NA	2021	-96.4255	65.2233	NA
2021-05-04	8:57	9:09	Amaruq KM 177	300-1000	NA	NA	NA	NA	NA	2021	-96.6668	65.40149	NA
2021-05-04	10:00	10:30	AWAR KM 22	300-1000	NA	NA	NA	NA	NA	2021	-96.123	64.49816	NA
2021-05-04	10:09	10:40	Amaruq KM 161	300-1000	NA	NA	NA	NA	NA	2021	-96.4121	65.30324	NA
2021-05-04	10:35	11:05	AWAR KM 24	300-1000	NA	NA	NA	NA	NA	2021	-96.1425	64.51079	NA
2021-05-05	10:53	11:20	AWAR KM 16	300-1000	NA	NA	NA	NA	NA	2021	-96.0801	64.45453	NA
2021-05-05	13:26	14:10	Amaruq KM 178	50-100	Light truck	NA	NA	NA	NA	2021	-96.6219	65.40086	NA
2021-05-06	12:17	12:42	Amaruq KM 178	100-300	Light truck, heavy equipment	NA	NA	NA	NA	2021	-96.6447	65.40513	NA
2021-05-06	12:42	13:14	Amaruq KM 178	100-300	NA	Heavy equipment	NA	Heavy equipment	NA	2021	-96.6447	65.40514	NA
2021-05-06	13:52	14:31	AWAR KM 34	300-1000	NA	NA	NA	NA	NA	2021	-96.2405	64.56875	NA
2021-05-06	14:47	15:17	AWAR KM 39	300-1000	NA	NA	NA	NA	NA	2021	-96.262	64.5806	NA
2021-05-07	8:14	8:26	AWAR KM 6	300-1000	NA	NA	NA	NA	NA	2021	-96.0007	64.36405	NA
2021-05-07	14:06	14:55	AWAR KM 44	300-1000	NA	Fuel truck	NA	NA	NA	2021	-96.3035	64.64171	NA
2021-05-07	15:45	16:16	AWAR KM 59	300-1000	NA	NA	NA	Fuel truck	NA	2021	-96.3706	64.74953	NA
2021-05-08	12:25	12:28	AWAR KM (NA)	300-1000	NA	NA	NA	NA	NA	2021	-96.0633	64.44663	NA
2021-05-08	12:58	13:30	AWAR KM 30	100-300	NA	NA	NA	NA	NA	2021	-96.2032	64.55877	NA
2021-05-08	14:11	14:34	AWAR KM 51	300-1000	NA	NA	NA	NA	NA	2021	-96.3749	64.68437	NA
2021-05-08	14:20	14:50	Amaruq KM 115	300-1000	NA	Heavy equipment	NA	Heavy equipment	NA	2021	-96.0731	65.02215	NA
2021-05-08	15:05	15:35	Amaruq KM 122	100-300	Light truck, tractor	NA	Tractor	Tractor	NA	2021	-96.0971	65.11477	NA
2021-05-08	15:48	16:18	Amaruq KM 125	100-300	NA	Heavy equipment	NA	Heavy equipment	NA	2021	-96.0972	65.11501	NA
2021-05-08	15:58	16:33	AWAR KM 81	300-1000	NA	NA	NA	NA	NA	2021	-96.3264	64.82106	NA
2021-05-09	10:48	11:25	AWAR KM 68	100-300	NA	NA	NA	NA	NA	2021	-96.3246	64.81542	NA
2021-05-10	8:10	8:50	AWAR KM 104	100-300	NA	NA	NA	NA	NA	2021	-96.1006	65.04803	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2021-05-10	9:47	10:27	AWAR KM 100	100-300	KAK	NA	280	East	No	2	-4	6	NA	NA
2021-05-10	17:15	17:55	AWAR KM 83	100-300	KAK	NA	280	West	No	1	1	24	NA	NA
2021-05-11	10:05	10:44	AWAR KM (NA)	300-1000	KAK, EF	NA	15	East	No	39	-4	50	NA	NA
2021-05-11	13:51	14:34	Amaruq KM 124	300-1000	KAK, EF	NA	280	West	No	1	-4	70	NA	NA
2021-05-11	17:24	18:01	AWAR KM 100	100-300	KAK, EF	NA	45	East	No	62	-5	70	NA	NA
2021-05-12	8:30	9:05	AWAR KM 100	100-300	OJ, KAK	NA	280	East	No	2	-13	47	NA	NA
2021-05-12	14:40	15:01	AWAR KM 48	300-1000	OJ, KAK	NA	280	West	No	1	-8	27	NA	NA
2021-05-12	16:07	16:22	AWAR KM 91	300-1000	OJ, KAK	NA	300	West	No	1	-13	47	NA	NA
2021-05-13	11:50	12:20	Amaruq KM 112	0-50	RW, AA	NA	NA	West	No	30	-10	50	NA	NA
2021-05-14	9:53	10:08	AWAR KM 45	100-300	EF, OJ	NA	100	West	No	29	-18	24	NA	NA
2021-05-15	9:02	9:53	Amaruq KM 132	100-300	AA, CM	NA	NA	West	No	33	-17	19	NA	NA
2021-05-15	15:02	15:38	AWAR KM 105	>1000	OJ, EF	NA	260	East	No	28	-9	20	NA	NA
2021-05-16	9:00	9:31	AWAR KM 104	100-300	EF	NA	200	East	No	2	NA	NA	NA	NA
2021-05-16	9:54	10:29	AWAR KM 102	300-1000	EF, AB	NA	50	West	No	2	NA	NA	NA	NA
2021-05-16	15:47	16:16	Amaruq KM 160	50-100	ST, CM	NA	NA	East	No	2	6	7	NA	NA
2021-05-17	14:53	16:28	AWAR KM 67	0-50	EF	NA	NA	West	No	8	-20	22	NA	NA
2021-05-17	15:11	15:47	AWAR KM 73	>1000	EF	NA	140	West	No	37	-6	24	NA	NA
2021-05-18	9:22	9:45	Amaruq KM 133	100-300	EF	NA	80	East	No	2	-15	32	NA	NA
2021-05-18	14:26	14:59	Amaruq KM 131	300-1000	EF	NA	NA	East	No	2	-9	30	NA	NA
2021-05-18	15:56	16:06	Amaruq KM 117	100-300	EF	NA	NA	East	No	2	-9	30	NA	NA
2021-05-20	12:18	12:50	Other	100-300	FL, RW, AA	NA	NA	West	No	19	-2	5	NA	NA
2021-05-24	12:21	12:52	Amaruq KM 176	100-300	AA	NA	NA	West	No	5	-4	20	NA	NA
2021-05-28	12:00	12:39	Amaruq KM (NA)	100-300	LA, AG	NA	90	West	No	2	1	23	NA	NA
2021-05-28	12:45	13:13	Amaruq KM (NA)	100-300	LA, AG	NA	90	West	No	2	1	23	NA	NA
2021-06-04	12:00	12:30	Amaruq KM (NA)	50-100	LA, AG	NA	90	West	No	21	3	10	NA	NA
2021-06-04	12:41	13:11	Amaruq KM (NA)	100-300	LA, AG	NA	20	West	No	21	3	10	NA	NA
2021-06-05	12:12	12:43	Amaruq KM (NA)	300-1000	ST	NA	NA	West	No	18	1	NA	NA	NA
2021-06-08	12:13	12:13	Amaruq KM (NA)	50-100	LA	NA	80	West	No	12	1	21	NA	NA
2021-06-08	12:32	13:05	Amaruq KM (NA)	100-300	LA	NA	80	West	No	12	NA	NA	NA	NA
2021-06-09	12:18	12:43	Amaruq KM (NA)	100-300	ST, AA	NA	NA	West	No	22	2	11	NA	NA
2021-06-18	14:58	15:00	Meadowbank KM 4	300-1000	Y	NA	NA	West	No	23	1	NA	NA	NA
2021-08-05	12:12	12:31	Amaruq KM (NA)	100-300	ST, CM	NA	NA	East	No	45	5	40	NA	NA
2021-08-19	12:00	12:30	Amaruq KM (NA)	0-50	LA, KM	NA	15	West	Yes	3	13	7	NA	NA
2021-08-19	12:42	13:09	Amaruq KM (NA)	0-50	LA, KM	NA	90	West	No	1	13	7	NA	NA
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	Do	NA	NA	West	No	1	12	10	NA	NA
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	Do	NA	NA	West	No	1	12	10	NA	NA
2021-08-22	12:02	12:35	Amaruq KM (NA)	100-300	LA, AG	NA	90	East	No	2	9	40	NA	NA
2021-08-22	12:35	13:13	Amaruq KM (NA)	100-300	LA, AG	NA	90	East	No	3	10	51	NA	NA
2021-08-24	11:50	12:20	Amaruq KM (NA)	100-300	LA, AG, AASPB	NA	85	West	No	2	15	21	NA	NA
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	Laurence Archambault	NA	100	West	No	138	6	18	NA	NA
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	Laurence Archambault	NA	100	West	No	138	6	18	NA	NA
2021-10-22	11:44	12:45	Amaruq KM (NA)	>1000	Laurence Archambault, Kathleen Newberry	NA	25	West	No	7	-3	33	NA	NA
2021-11-05	8:16	8:25	AWAR KM 75	0-50	Lia	NA	2	East	No	200	2	2	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2021-05-10	9:47	10:27	AWAR KM 100	100-300	3	Overcast	1	1	None
2021-05-10	17:15	17:55	AWAR KM 83	100-300	3	Overcast	1	1	Bridge 100 m north
2021-05-11	10:05	10:44	AWAR KM (NA)	300-1000	0	Windy, blowing snow	NA	NA	NA
2021-05-11	13:51	14:34	Amaruq KM 124	300-1000	0	Partial sun, cloudy	1	1	None
2021-05-11	17:24	18:01	AWAR KM 100	100-300	0	Sunny, windy	2	1	None
2021-05-12	8:30	9:05	AWAR KM 100	100-300	0	Sunny	NA	NA	None
2021-05-12	14:40	15:01	AWAR KM 48	300-1000	0	Sunny	1	1	"Sea can and bridge 400"
2021-05-12	16:07	16:22	AWAR KM 91	300-1000	0	Sunny	1	1	None
2021-05-13	11:50	12:20	Amaruq KM 112	0-50	0	Blowing snow	1	0	NA
2021-05-14	9:53	10:08	AWAR KM 45	100-300	0	Sunny, windy; wind 24-36 km/h	1	1	None
2021-05-15	9:02	9:53	Amaruq KM 132	100-300	3	NA	1	8	NA
2021-05-15	15:02	15:38	AWAR KM 105	>1000	1	Cloudy, calm	1	1	Mine a few km away
2021-05-16	9:00	9:31	AWAR KM 104	100-300	NA	NA	1	1	None
2021-05-16	9:54	10:29	AWAR KM 102	300-1000	NA	NA	1	1	None
2021-05-16	15:47	16:16	Amaruq KM 160	50-100	0	Cloudy	1	30	Bridge KM 159,8
2021-05-17	14:53	16:28	AWAR KM 67	0-50	NA	Clear day, no clouds, little wind	NA	NA	NA
2021-05-17	15:11	15:47	AWAR KM 73	>1000	NA	Cloudy	1	1	None
2021-05-18	9:22	9:45	Amaruq KM 133	100-300	NA	Sunny	1	1	Seacan at 800 m
2021-05-18	14:26	14:59	Amaruq KM 131	300-1000	NA	NA	1	1	Bridge at 131
2021-05-18	15:56	16:06	Amaruq KM 117	100-300	Sunny, windy	NA	1	1	None
2021-05-20	12:18	12:50	Other	100-300	NA	NA	NA	NA	NA
2021-05-24	12:21	12:52	Amaruq KM 176	100-300	0	Snow, low visibility	1	15	None
2021-05-28	12:00	12:39	Amaruq KM (NA)	100-300	NA	Cloudy	NA	NA	NA
2021-05-28	12:45	13:13	Amaruq KM (NA)	100-300	0	Cloudy	NA	NA	NA
2021-06-04	12:00	12:30	Amaruq KM (NA)	50-100	NA	NA	NA	NA	Near Dyno EMR
2021-06-04	12:41	13:11	Amaruq KM (NA)	100-300	NA	NA	NA	NA	Near Dyno EMR
2021-06-05	12:12	12:43	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA
2021-06-08	12:13	12:13	Amaruq KM (NA)	50-100	NA	Cloudy	NA	NA	Near Dyno EMR
2021-06-08	12:32	13:05	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA
2021-06-09	12:18	12:43	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA
2021-06-18	14:58	15:00	Meadowbank KM 4	300-1000	NA	NA	NA	NA	NA
2021-08-05	12:12	12:31	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA
2021-08-19	12:00	12:30	Amaruq KM (NA)	0-50	NA	Sunny	NA	NA	Near dyno plant
2021-08-19	12:42	13:09	Amaruq KM (NA)	0-50	NA	Sunny	NA	NA	Dyno plant
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA
2021-08-22	12:02	12:35	Amaruq KM (NA)	100-300	0	Cloudy	1	NA	Near landfill
2021-08-22	12:35	13:13	Amaruq KM (NA)	100-300	NA	Cloudy	1	NA	Near landfill
2021-08-24	11:50	12:20	Amaruq KM (NA)	100-300	NA	NA	NA	NA	Near dyno
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	7	No precipitation, lots of fog	1	25	NA
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	7	No precipitation, lots of fog	1	25	NA
2021-10-22	11:44	12:45	Amaruq KM (NA)	>1000	3	No precipitation	0	10	WRSF
2021-11-05	8:16	8:25	AWAR KM 75	0-50	2	No precipitation	2	2	None

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2021-05-10	9:47	10:27	AWAR KM 100	100-300	0	2	0	0	0	0	0	2	0	0	0	0
2021-05-10	17:15	17:55	AWAR KM 83	100-300	0	1	0	0	0	0	0	1	0	0	0	0
2021-05-11	10:05	10:44	AWAR KM (NA)	300-1000	9	0	2	0	0	0	9	0	2	0	0	0
2021-05-11	13:51	14:34	Amaruq KM 124	300-1000	0	1	0	0	0	0	0	1	0	0	0	0
2021-05-11	17:24	18:01	AWAR KM 100	100-300	35	0	0	0	0	0	35	0	0	0	0	0
2021-05-12	8:30	9:05	AWAR KM 100	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2021-05-12	14:40	15:01	AWAR KM 48	300-1000	0	0	0	1	0	0	0	0	0	1	0	0
2021-05-12	16:07	16:22	AWAR KM 91	300-1000	0	0	0	1	0	0	0	0	0	1	0	0
2021-05-13	11:50	12:20	Amaruq KM 112	0-50	25	0	0	5	0	0	30	0	0	0	0	0
2021-05-14	9:53	10:08	AWAR KM 45	100-300	7	0	0	22	0	0	3	0	4	20	0	0
2021-05-15	9:02	9:53	Amaruq KM 132	100-300	24	0	0	2	0	0	23	0	1	2	0	0
2021-05-15	15:02	15:38	AWAR KM 105	>1000	27	0	1	0	0	0	26	0	0	2	0	0
2021-05-16	9:00	9:31	AWAR KM 104	100-300	1	1	0	0	0	0	1	1	0	0	0	0
2021-05-16	9:54	10:29	AWAR KM 102	300-1000	2	0	0	0	0	0	2	0	0	0	0	0
2021-05-16	15:47	16:16	Amaruq KM 160	50-100	2	0	0	0	0	0	0	0	0	0	0	0
2021-05-17	14:53	16:28	AWAR KM 67	0-50	8	0	0	0	0	0	7	1	0	0	0	0
2021-05-17	15:11	15:47	AWAR KM 73	>1000	0	0	0	17	0	0	3	0	0	14	0	0
2021-05-18	9:22	9:45	Amaruq KM 133	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2021-05-18	14:26	14:59	Amaruq KM 131	300-1000	0	2	0	0	0	0	0	2	0	0	0	0
2021-05-18	15:56	16:06	Amaruq KM 117	100-300	1	0	1	0	0	0	1	0	0	1	0	0
2021-05-20	12:18	12:50	Other	100-300	4	15	0	0	0	0	3	16	0	0	0	0
2021-05-24	12:21	12:52	Amaruq KM 176	100-300	0	0	0	5	0	0	2	0	0	3	0	0
2021-05-28	12:00	12:39	Amaruq KM (NA)	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2021-05-28	12:45	13:13	Amaruq KM (NA)	100-300	0	2	0	0	0	0	0	2	0	0	0	0
2021-06-04	12:00	12:30	Amaruq KM (NA)	50-100	12	9	0	0	0	0	11	9	0	0	1	0
2021-06-04	12:41	13:11	Amaruq KM (NA)	100-300	16	4	0	0	0	0	16	4	0	0	0	0
2021-06-05	12:12	12:43	Amaruq KM (NA)	300-1000	15	3	0	0	0	0	11	7	0	0	0	0
2021-06-08	12:13	12:13	Amaruq KM (NA)	50-100	12	0	0	0	0	0	11	0	0	1	0	0
2021-06-08	12:32	13:05	Amaruq KM (NA)	100-300	10	1	0	0	0	0	11	1	0	0	0	0
2021-06-09	12:18	12:43	Amaruq KM (NA)	100-300	12	10	0	0	0	0	12	10	0	0	0	0
2021-06-18	14:58	15:00	Meadowbank KM 4	300-1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-08-05	12:12	12:31	Amaruq KM (NA)	100-300	42	3	0	0	0	0	0	3	0	0	0	0
2021-08-19	12:00	12:30	Amaruq KM (NA)	0-50	3	0	0	0	0	0	1	0	0	0	0	1
2021-08-19	12:42	13:09	Amaruq KM (NA)	0-50	0	0	0	0	1	0	1	0	0	0	0	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	0	1	0	0	0	0	0	1	0	0	0	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	0	1	0	0	0	0	0	1	0	0	0	0
2021-08-22	12:02	12:35	Amaruq KM (NA)	100-300	1	1	0	0	0	0	1	1	0	0	0	0
2021-08-22	12:35	13:13	Amaruq KM (NA)	100-300	2	1	0	0	0	0	2	1	0	0	0	0
2021-08-24	11:50	12:20	Amaruq KM (NA)	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	7	7	0	0	0	0	13	1	0	0	0	0
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	12	2	0	0	0	0	10	4	0	0	0	0
2021-10-22	11:44	12:45	Amaruq KM (NA)	>1000	7	0	0	0	0	0	3	0	0	1	0	0
2021-11-05	8:16	8:25	AWAR KM 75	0-50	5	0	0	0	0	0	0	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2021-05-10	9:47	10:27	AWAR KM 100	100-300	0	2	0	0	0	0	0	2	0	0	0	0
2021-05-10	17:15	17:55	AWAR KM 83	100-300	0	1	0	0	0	0	0	1	0	0	0	0
2021-05-11	10:05	10:44	AWAR KM (NA)	300-1000	6	0	0	0	0	0	10	0	0	0	0	0
2021-05-11	13:51	14:34	Amaruq KM 124	300-1000	0	1	0	0	0	0	0	1	0	0	0	0
2021-05-11	17:24	18:01	AWAR KM 100	100-300	35	0	0	0	0	0	35	0	0	0	0	0
2021-05-12	8:30	9:05	AWAR KM 100	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2021-05-12	14:40	15:01	AWAR KM 48	300-1000	0	0	0	1	0	0	0	0	0	1	0	0
2021-05-12	16:07	16:22	AWAR KM 91	300-1000	0	0	0	1	0	0	0	0	0	0	0	0
2021-05-13	11:50	12:20	Amaruq KM 112	0-50	30	0	0	0	0	0	26	0	0	4	0	0
2021-05-14	9:53	10:08	AWAR KM 45	100-300	18	0	0	0	0	0	5	14	0	5	0	0
2021-05-15	9:02	9:53	Amaruq KM 132	100-300	25	0	0	1	0	0	22	0	1	3	0	0
2021-05-15	15:02	15:38	AWAR KM 105	>1000	28	0	0	0	0	0	27	0	0	1	0	0
2021-05-16	9:00	9:31	AWAR KM 104	100-300	1	1	0	0	0	0	1	0	0	0	1	0
2021-05-16	9:54	10:29	AWAR KM 102	300-1000	2	0	0	0	0	0	2	0	0	0	0	0
2021-05-16	15:47	16:16	Amaruq KM 160	50-100	2	0	0	0	0	0	0	0	0	2	0	0
2021-05-17	14:53	16:28	AWAR KM 67	0-50	7	1	0	0	0	0	7	1	0	0	0	0
2021-05-17	15:11	15:47	AWAR KM 73	>1000	0	0	0	17	0	0	0	0	0	17	0	0
2021-05-18	9:22	9:45	Amaruq KM 133	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2021-05-18	14:26	14:59	Amaruq KM 131	300-1000	0	2	0	0	0	0	0	2	0	0	0	0
2021-05-18	15:56	16:06	Amaruq KM 117	100-300	0	0	0	0	0	0	0	0	0	0	0	0
2021-05-20	12:18	12:50	Other	100-300	3	16	0	0	0	0	3	16	0	0	0	0
2021-05-24	12:21	12:52	Amaruq KM 176	100-300	2	0	0	3	0	0	5	0	0	0	0	0
2021-05-28	12:00	12:39	Amaruq KM (NA)	100-300	2	0	0	0	0	0	1	1	0	0	0	0
2021-05-28	12:45	13:13	Amaruq KM (NA)	100-300	0	2	0	0	0	0	0	2	0	0	0	0
2021-06-04	12:00	12:30	Amaruq KM (NA)	50-100	12	9	0	0	0	0	11	9	0	1	0	0
2021-06-04	12:41	13:11	Amaruq KM (NA)	100-300	11	9	0	0	0	0	15	4	0	0	0	0
2021-06-05	12:12	12:43	Amaruq KM (NA)	300-1000	7	8	0	0	0	0	5	9	0	0	0	0
2021-06-08	12:13	12:13	Amaruq KM (NA)	50-100	12	0	0	0	0	0	12	0	0	0	0	0
2021-06-08	12:32	13:05	Amaruq KM (NA)	100-300	4	2	0	0	0	0	0	0	0	3	0	0
2021-06-09	12:18	12:43	Amaruq KM (NA)	100-300	13	9	0	0	0	0	13	9	0	0	0	0
2021-06-18	14:58	15:00	Meadowbank KM 4	300-1000	0	0	0	0	0	0	0	0	0	0	0	0
2021-08-05	12:12	12:31	Amaruq KM (NA)	100-300	24	5	0	0	0	0	10	5	0	10	0	0
2021-08-19	12:00	12:30	Amaruq KM (NA)	0-50	1	0	0	0	0	0	1	0	0	0	0	0
2021-08-19	12:42	13:09	Amaruq KM (NA)	0-50	1	0	0	0	0	0	1	0	0	0	0	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	0	1	0	0	0	0	0	1	0	0	0	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	0	1	0	0	0	0	0	1	0	0	0	0
2021-08-22	12:02	12:35	Amaruq KM (NA)	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2021-08-22	12:35	13:13	Amaruq KM (NA)	100-300	2	1	0	0	0	0	2	1	0	0	0	0
2021-08-24	11:50	12:20	Amaruq KM (NA)	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	14	0	0	0	0	0	14	0	0	0	0	0
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	10	4	0	0	0	0	11	3	0	0	0	0
2021-10-22	11:44	12:45	Amaruq KM (NA)	>1000	0	0	0	2	0	4	0	0	0	0	0	0
2021-11-05	8:16	8:25	AWAR KM 75	0-50	0	0	0	0	0	0	0	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2021-05-10	9:47	10:27	AWAR KM 100	100-300	0	2	0	0	0	0	0	2	0	0	0
2021-05-10	17:15	17:55	AWAR KM 83	100-300	0	1	0	0	0	0	0	1	0	0	0
2021-05-11	10:05	10:44	AWAR KM (NA)	300-1000	11	0	0	0	0	0	9	0	2	0	0
2021-05-11	13:51	14:34	Amaruq KM 124	300-1000	0	1	0	0	0	0	0	1	0	0	0
2021-05-11	17:24	18:01	AWAR KM 100	100-300	35	0	0	0	0	0	35	0	0	0	0
2021-05-12	8:30	9:05	AWAR KM 100	100-300	0	2	0	0	0	0	0	2	0	0	0
2021-05-12	14:40	15:01	AWAR KM 48	300-1000	0	0	0	1	0	0	1	0	0	0	0
2021-05-12	16:07	16:22	AWAR KM 91	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-13	11:50	12:20	Amaruq KM 112	0-50	30	0	0	0	0	0	21	0	0	7	0
2021-05-14	9:53	10:08	AWAR KM 45	100-300	0	22	0	5	0	0	1	22	2	2	0
2021-05-15	9:02	9:53	Amaruq KM 132	100-300	26	0	0	4	0	0	26	0	0	2	1
2021-05-15	15:02	15:38	AWAR KM 105	>1000	28	0	0	0	0	0	26	0	2	0	0
2021-05-16	9:00	9:31	AWAR KM 104	100-300	0	0	0	2	0	0	0	0	0	2	0
2021-05-16	9:54	10:29	AWAR KM 102	300-1000	2	0	0	0	0	0	2	0	0	0	0
2021-05-16	15:47	16:16	Amaruq KM 160	50-100	0	0	0	0	0	2	0	0	0	0	0
2021-05-17	14:53	16:28	AWAR KM 67	0-50	7	1	0	0	0	0	0	0	0	0	0
2021-05-17	15:11	15:47	AWAR KM 73	>1000	0	0	0	17	0	0	0	0	0	17	0
2021-05-18	9:22	9:45	Amaruq KM 133	100-300	1	0	0	0	0	0	0	0	0	0	0
2021-05-18	14:26	14:59	Amaruq KM 131	300-1000	0	2	0	0	0	0	0	2	0	0	0
2021-05-18	15:56	16:06	Amaruq KM 117	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-05-20	12:18	12:50	Other	100-300	0	0	0	0	0	0	3	16	0	0	0
2021-05-24	12:21	12:52	Amaruq KM 176	100-300	4	0	0	1	0	0	3	0	0	1	1
2021-05-28	12:00	12:39	Amaruq KM (NA)	100-300	0	2	0	0	0	0	0	2	0	0	0
2021-05-28	12:45	13:13	Amaruq KM (NA)	100-300	0	2	0	0	0	0	0	2	0	0	0
2021-06-04	12:00	12:30	Amaruq KM (NA)	50-100	12	8	1	0	0	0	14	7	0	0	0
2021-06-04	12:41	13:11	Amaruq KM (NA)	100-300	14	5	0	0	0	0	13	6	0	0	0
2021-06-05	12:12	12:43	Amaruq KM (NA)	300-1000	5	10	0	0	0	0	6	11	0	0	0
2021-06-08	12:13	12:13	Amaruq KM (NA)	50-100	11	0	1	0	0	0	10	0	0	0	0
2021-06-08	12:32	13:05	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-06-09	12:18	12:43	Amaruq KM (NA)	100-300	14	8	0	0	0	0	14	8	0	0	0
2021-06-18	14:58	15:00	Meadowbank KM 4	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-08-05	12:12	12:31	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA	15	5	0	0	0
2021-08-19	12:00	12:30	Amaruq KM (NA)	0-50	0	0	0	0	0	0	1	0	0	0	0
2021-08-19	12:42	13:09	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	NA	0	0	1	0	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	0	1	0	0	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	0	0	0	1	0
2021-08-22	12:02	12:35	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA	2	0	0	0	0
2021-08-22	12:35	13:13	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA	0	2	0	0	0
2021-08-24	11:50	12:20	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	12	2	0	0	0	0	12	2	0	0	0
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	13	1	0	0	0	0	11	3	0	0	0
2021-10-22	11:44	12:45	Amaruq KM (NA)	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-11-05	8:16	8:25	AWAR KM 75	0-50	5	0	0	0	0	0	5	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2021-05-10	9:47	10:27	AWAR KM 100	100-300	0	0	2	0	0	0	0	2	0	0	0
2021-05-10	17:15	17:55	AWAR KM 83	100-300	0	0	1	0	0	0	0	0	1	0	0
2021-05-11	10:05	10:44	AWAR KM (NA)	300-1000	0	11	0	0	0	0	0	10	0	0	0
2021-05-11	13:51	14:34	Amaruq KM 124	300-1000	0	0	1	0	0	0	0	0	1	0	0
2021-05-11	17:24	18:01	AWAR KM 100	100-300	0	48	0	0	0	0	0	47	1	0	0
2021-05-12	8:30	9:05	AWAR KM 100	100-300	0	0	2	0	0	0	0	0	0	1	0
2021-05-12	14:40	15:01	AWAR KM 48	300-1000	0	0	0	0	1	0	0	0	0	0	1
2021-05-12	16:07	16:22	AWAR KM 91	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-13	11:50	12:20	Amaruq KM 112	0-50	0	19	0	0	10	1	0	30	0	0	0
2021-05-14	9:53	10:08	AWAR KM 45	100-300	0	1	22	1	3	0	0	1	22	0	4
2021-05-15	9:02	9:53	Amaruq KM 132	100-300	1	30	0	0	0	0	0	29	0	0	0
2021-05-15	15:02	15:38	AWAR KM 105	>1000	0	28	0	0	0	0	0	27	0	0	1
2021-05-16	9:00	9:31	AWAR KM 104	100-300	0	0	0	0	2	0	0	0	0	0	2
2021-05-16	9:54	10:29	AWAR KM 102	300-1000	0	2	0	0	0	0	0	2	0	0	0
2021-05-16	15:47	16:16	Amaruq KM 160	50-100	0	0	0	0	0	0	0	0	0	0	0
2021-05-17	14:53	16:28	AWAR KM 67	0-50	0	0	0	0	0	0	0	6	2	0	0
2021-05-17	15:11	15:47	AWAR KM 73	>1000	0	0	0	0	13	0	0	0	0	0	13
2021-05-18	9:22	9:45	Amaruq KM 133	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-05-18	14:26	14:59	Amaruq KM 131	300-1000	0	0	2	0	0	0	0	0	2	0	0
2021-05-18	15:56	16:06	Amaruq KM 117	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-05-20	12:18	12:50	Other	100-300	0	3	16	0	0	0	0	3	16	0	0
2021-05-24	12:21	12:52	Amaruq KM 176	100-300	0	0	0	0	0	5	0	4	0	0	1
2021-05-28	12:00	12:39	Amaruq KM (NA)	100-300	0	0	2	0	0	0	0	0	2	0	0
2021-05-28	12:45	13:13	Amaruq KM (NA)	100-300	0	0	2	0	0	0	0	0	2	0	0
2021-06-04	12:00	12:30	Amaruq KM (NA)	50-100	0	18	4	1	0	0	0	19	3	0	0
2021-06-04	12:41	13:11	Amaruq KM (NA)	100-300	0	11	8	1	0	0	0	13	7	0	0
2021-06-05	12:12	12:43	Amaruq KM (NA)	300-1000	0	6	11	0	0	0	0	6	11	0	0
2021-06-08	12:13	12:13	Amaruq KM (NA)	50-100	0	10	1	0	0	0	0	0	0	0	0
2021-06-08	12:32	13:05	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-06-09	12:18	12:43	Amaruq KM (NA)	100-300	0	17	10	0	0	0	0	21	6	0	0
2021-06-18	14:58	15:00	Meadowbank KM 4	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-08-05	12:12	12:31	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-08-19	12:00	12:30	Amaruq KM (NA)	0-50	0	1	0	0	0	0	0	1	0	0	0
2021-08-19	12:42	13:09	Amaruq KM (NA)	0-50	0	0	0	1	0	0	0	0	0	1	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	0	0	1	0	0	0	0	0	1	0	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	0	1	0	0	0	0	0	NA	NA	NA	NA
2021-08-22	12:02	12:35	Amaruq KM (NA)	100-300	0	2	0	0	0	0	0	3	0	0	0
2021-08-22	12:35	13:13	Amaruq KM (NA)	100-300	0	0	2	0	0	0	0	3	0	0	0
2021-08-24	11:50	12:20	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	0	12	2	0	0	0	0	NA	NA	NA	NA
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	0	7	6	0	0	0	0	7	6	0	0
2021-10-22	11:44	12:45	Amaruq KM (NA)	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-11-05	8:16	8:25	AWAR KM 75	0-50	0	5	0	0	0	0	0	5	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2021-05-10	9:47	10:27	AWAR KM 100	100-300	0	0	0	0	2	0	0	0	2	0	0
2021-05-10	17:15	17:55	AWAR KM 83	100-300	0	0	0	1	0	0	0	0	0	1	0
2021-05-11	10:05	10:44	AWAR KM (NA)	300-1000	1	0	11	0	0	0	0	0	10	0	0
2021-05-11	13:51	14:34	Amaruq KM 124	300-1000	0	0	0	1	0	0	0	0	0	1	0
2021-05-11	17:24	18:01	AWAR KM 100	100-300	0	0	47	1	0	0	0	0	45	3	0
2021-05-12	8:30	9:05	AWAR KM 100	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-05-12	14:40	15:01	AWAR KM 48	300-1000	0	0	0	0	0	1	0	0	0	0	0
2021-05-12	16:07	16:22	AWAR KM 91	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-05-13	11:50	12:20	Amaruq KM 112	0-50	0	0	30	0	0	0	0	0	30	0	0
2021-05-14	9:53	10:08	AWAR KM 45	100-300	0	0	3	21	0	3	0	0	6	18	0
2021-05-15	9:02	9:53	Amaruq KM 132	100-300	1	0	25	0	0	5	0	0	30	0	0
2021-05-15	15:02	15:38	AWAR KM 105	>1000	0	0	18	0	0	10	0	0	16	0	2
2021-05-16	9:00	9:31	AWAR KM 104	100-300	0	0	0	0	0	2	0	0	0	0	0
2021-05-16	9:54	10:29	AWAR KM 102	300-1000	0	0	2	0	0	0	0	0	2	0	0
2021-05-16	15:47	16:16	Amaruq KM 160	50-100	0	0	0	0	0	0	0	0	0	0	0
2021-05-17	14:53	16:28	AWAR KM 67	0-50	0	0	6	2	0	0	0	0	6	3	0
2021-05-17	15:11	15:47	AWAR KM 73	>1000	0	0	0	0	0	13	0	0	0	0	0
2021-05-18	9:22	9:45	Amaruq KM 133	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-05-18	14:26	14:59	Amaruq KM 131	300-1000	0	0	0	2	0	0	0	0	0	2	0
2021-05-18	15:56	16:06	Amaruq KM 117	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-05-20	12:18	12:50	Other	100-300	0	0	4	15	0	0	0	0	4	15	0
2021-05-24	12:21	12:52	Amaruq KM 176	100-300	0	0	3	0	0	0	2	0	3	0	0
2021-05-28	12:00	12:39	Amaruq KM (NA)	100-300	0	0	0	2	0	0	0	0	0	2	0
2021-05-28	12:45	13:13	Amaruq KM (NA)	100-300	0	0	0	2	0	0	0	0	0	2	0
2021-06-04	12:00	12:30	Amaruq KM (NA)	50-100	0	0	18	3	0	0	0	0	18	5	1
2021-06-04	12:41	13:11	Amaruq KM (NA)	100-300	0	0	10	8	0	1	0	0	12	8	0
2021-06-05	12:12	12:43	Amaruq KM (NA)	300-1000	0	0	6	11	0	0	0	0	16	11	0
2021-06-08	12:13	12:13	Amaruq KM (NA)	50-100	0	0	0	0	0	0	0	0	0	0	0
2021-06-08	12:32	13:05	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-06-09	12:18	12:43	Amaruq KM (NA)	100-300	0	0	19	8	0	0	0	0	18	9	0
2021-06-18	14:58	15:00	Meadowbank KM 4	300-1000	0	0	0	0	0	0	0	0	0	0	0
2021-08-05	12:12	12:31	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-08-19	12:00	12:30	Amaruq KM (NA)	0-50	0	0	1	0	0	0	0	0	1	0	0
2021-08-19	12:42	13:09	Amaruq KM (NA)	0-50	0	0	0	0	1	0	0	0	0	0	1
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	0	0	0	1	0	0	0	0	0	0	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2021-08-22	12:02	12:35	Amaruq KM (NA)	100-300	0	0	3	0	0	0	0	0	3	0	0
2021-08-22	12:35	13:13	Amaruq KM (NA)	100-300	0	0	3	0	0	0	0	0	3	0	0
2021-08-24	11:50	12:20	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0	0	0
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	0	0	6	7	0	0	0	0	7	6	0
2021-10-22	11:44	12:45	Amaruq KM (NA)	>1000	0	0	0	0	0	0	0	0	0	0	0
2021-11-05	8:16	8:25	AWAR KM 75	0-50	0	0	0	0	0	0	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2021-05-10	9:47	10:27	AWAR KM 100	100-300	0	0	0	2	0	0	0	0	0
2021-05-10	17:15	17:55	AWAR KM 83	100-300	0	0	0	0	1	0	0	0	0
2021-05-11	10:05	10:44	AWAR KM (NA)	300-1000	1	0	0	11	0	0	0	0	0
2021-05-11	13:51	14:34	Amaruq KM 124	300-1000	0	0	0	0	1	0	0	0	0
2021-05-11	17:24	18:01	AWAR KM 100	100-300	0	0	0	45	3	0	0	0	0
2021-05-12	8:30	9:05	AWAR KM 100	100-300	0	0	0	0	0	0	0	0	0
2021-05-12	14:40	15:01	AWAR KM 48	300-1000	1	0	0	0	0	0	1	0	0
2021-05-12	16:07	16:22	AWAR KM 91	300-1000	0	0	0	0	0	0	0	0	0
2021-05-13	11:50	12:20	Amaruq KM 112	0-50	0	0	0	24	0	0	5	1	0
2021-05-14	9:53	10:08	AWAR KM 45	100-300	3	0	0	2	18	0	7	0	0
2021-05-15	9:02	9:53	Amaruq KM 132	100-300	0	0	0	29	0	0	0	1	0
2021-05-15	15:02	15:38	AWAR KM 105	>1000	10	0	0	24	0	0	4	0	0
2021-05-16	9:00	9:31	AWAR KM 104	100-300	0	0	0	0	0	0	0	0	0
2021-05-16	9:54	10:29	AWAR KM 102	300-1000	0	0	0	0	0	0	2	0	0
2021-05-16	15:47	16:16	Amaruq KM 160	50-100	0	0	0	0	0	0	0	0	0
2021-05-17	14:53	16:28	AWAR KM 67	0-50	0	0	0	4	5	0	0	0	0
2021-05-17	15:11	15:47	AWAR KM 73	>1000	0	0	0	0	0	0	0	0	0
2021-05-18	9:22	9:45	Amaruq KM 133	100-300	0	0	0	0	0	0	0	0	0
2021-05-18	14:26	14:59	Amaruq KM 131	300-1000	0	0	0	0	2	0	0	0	0
2021-05-18	15:56	16:06	Amaruq KM 117	100-300	0	0	0	0	0	0	0	0	0
2021-05-20	12:18	12:50	Other	100-300	0	0	0	4	15	0	0	0	0
2021-05-24	12:21	12:52	Amaruq KM 176	100-300	2	0	0	3	0	0	2	0	0
2021-05-28	12:00	12:39	Amaruq KM (NA)	100-300	0	0	0	0	2	0	0	0	0
2021-05-28	12:45	13:13	Amaruq KM (NA)	100-300	0	0	0	0	2	0	0	0	0
2021-06-04	12:00	12:30	Amaruq KM (NA)	50-100	0	0	0	17	5	1	0	0	0
2021-06-04	12:41	13:11	Amaruq KM (NA)	100-300	0	0	0	12	9	0	0	0	0
2021-06-05	12:12	12:43	Amaruq KM (NA)	300-1000	0	0	0	16	11	0	0	0	0
2021-06-08	12:13	12:13	Amaruq KM (NA)	50-100	0	0	0	0	0	0	0	0	0
2021-06-08	12:32	13:05	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0
2021-06-09	12:18	12:43	Amaruq KM (NA)	100-300	0	0	0	18	9	0	0	0	0
2021-06-18	14:58	15:00	Meadowbank KM 4	300-1000	0	0	0	0	0	0	0	0	0
2021-08-05	12:12	12:31	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0
2021-08-19	12:00	12:30	Amaruq KM (NA)	0-50	0	0	0	1	0	0	0	0	0
2021-08-19	12:42	13:09	Amaruq KM (NA)	0-50	0	0	0	0	0	1	0	0	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	0	0	0	0	0	0	0	0	0
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	NA	NA	NA	0	1	0	0	0	0
2021-08-22	12:02	12:35	Amaruq KM (NA)	100-300	0	0	0	3	0	0	0	0	0
2021-08-22	12:35	13:13	Amaruq KM (NA)	100-300	0	0	0	3	0	0	0	0	0
2021-08-24	11:50	12:20	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	0	0	0	6	8	0	0	0	0
2021-10-22	11:44	12:45	Amaruq KM (NA)	>1000	0	0	0	0	0	0	0	0	0
2021-11-05	8:16	8:25	AWAR KM 75	0-50	0	0	0	0	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2021-05-10	9:47	10:27	AWAR KM 100	100-300	Tanker	NA	Tanker	Tanker	Tanker	NA
2021-05-10	17:15	17:55	AWAR KM 83	100-300	NA	NA	NA	Tanker	NA	NA
2021-05-11	10:05	10:44	AWAR KM (NA)	300-1000	NA	Fuel truck	NA	NA	NA	NA
2021-05-11	13:51	14:34	Amaruq KM 124	300-1000	Heavy equipment	NA	NA	Heavy equipment, light truck	Heavy equipment	Heavy equipment
2021-05-11	17:24	18:01	AWAR KM 100	100-300	NA	NA	NA	NA	NA	NA
2021-05-12	8:30	9:05	AWAR KM 100	100-300	NA	NA	NA	NA	NA	NA
2021-05-12	14:40	15:01	AWAR KM 48	300-1000	NA	NA	NA	NA	NA	NA
2021-05-12	16:07	16:22	AWAR KM 91	300-1000	NA	NA	NA	NA	NA	NA
2021-05-13	11:50	12:20	Amaruq KM 112	0-50	NA	Heavy equipment	NA	Light truck	NA	NA
2021-05-14	9:53	10:08	AWAR KM 45	100-300	NA	NA	NA	NA	NA	NA
2021-05-15	9:02	9:53	Amaruq KM 132	100-300	Heavy equipment	NA	Heavy equipment	NA	NA	Heavy equipment
2021-05-15	15:02	15:38	AWAR KM 105	>1000	NA	EMR truck	NA	NA	NA	Tanker
2021-05-16	9:00	9:31	AWAR KM 104	100-300	NA	Light truck	NA	Roll-off truck	Tanker	Tanker
2021-05-16	9:54	10:29	AWAR KM 102	300-1000	NA	NA	NA	NA	NA	NA
2021-05-16	15:47	16:16	Amaruq KM 160	50-100	NA	NA	NA	NA	NA	NA
2021-05-17	14:53	16:28	AWAR KM 67	0-50	NA	NA	Tanker	NA	NA	NA
2021-05-17	15:11	15:47	AWAR KM 73	>1000	NA	NA	NA	NA	NA	NA
2021-05-18	9:22	9:45	Amaruq KM 133	100-300	Heavy equipment	Heavy equipment	Heavy equipment	Heavy equipment	Heavy equipment	NA
2021-05-18	14:26	14:59	Amaruq KM 131	300-1000	NA	LHT	NA	Heavy equipment	NA	NA
2021-05-18	15:56	16:06	Amaruq KM 117	100-300	NA	NA	NA	NA	NA	NA
2021-05-20	12:18	12:50	Other	100-300	NA	NA	NA	NA	NA	NA
2021-05-24	12:21	12:52	Amaruq KM 176	100-300	NA	NA	NA	LHT; blast	NA	LHT
2021-05-28	12:00	12:39	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA
2021-05-28	12:45	13:13	Amaruq KM (NA)	100-300	Blast	NA	NA	NA	NA	NA
2021-06-04	12:00	12:30	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA
2021-06-04	12:41	13:11	Amaruq KM (NA)	100-300	Blast	NA	NA	NA	NA	NA
2021-06-05	12:12	12:43	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	NA
2021-06-08	12:13	12:13	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA
2021-06-08	12:32	13:05	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA
2021-06-09	12:18	12:43	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA
2021-06-18	14:58	15:00	Meadowbank KM 4	300-1000	Light truck	NA	NA	NA	NA	NA
2021-08-05	12:12	12:31	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA
2021-08-19	12:00	12:30	Amaruq KM (NA)	0-50	NA	NA	NA	Other	NA	NA
2021-08-19	12:42	13:09	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	NA
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA
2021-08-22	12:02	12:35	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA
2021-08-22	12:35	13:13	Amaruq KM (NA)	100-300	Blast	NA	NA	NA	NA	NA
2021-08-24	11:50	12:20	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	NA	NA	NA	NA	NA	NA
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	NA	NA	NA	NA	NA	Heavy equipment
2021-10-22	11:44	12:45	Amaruq KM (NA)	>1000	NA	NA	NA	Blast	NA	NA
2021-11-05	8:16	8:25	AWAR KM 75	0-50	NA	NA	NA	NA	Convoy	Convoy

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2021-05-10	9:47	10:27	AWAR KM 100	100-300	NA	NA	NA	NA	NA	2021	-96.1463	65.05094	NA
2021-05-10	17:15	17:55	AWAR KM 83	100-300	NA	NA	NA	NA	NA	2021	-96.3009	64.9349	NA
2021-05-11	10:05	10:44	AWAR KM (NA)	300-1000	Roll-off truck	NA	NA	NA	NA	2021	-96.086	65.0292	NA
2021-05-11	13:51	14:34	Amaruq KM 124	300-1000	Heavy equipment	Heavy equipment	NA	Heavy equipment	NA	2021	-96.1067	65.12478	NA
2021-05-11	17:24	18:01	AWAR KM 100	100-300	NA	NA	NA	NA	NA	2021	-96.1464	65.0491	NA
2021-05-12	8:30	9:05	AWAR KM 100	100-300	Light truck	NA	Tanker	NA	NA	2021	-96.1464	65.05108	NA
2021-05-12	14:40	15:01	AWAR KM 48	300-1000	Road maintenance	NA	NA	NA	NA	2021	-96.3577	64.66017	NA
2021-05-12	16:07	16:22	AWAR KM 91	300-1000	NA	NA	NA	NA	NA	2021	-96.2243	64.98318	NA
2021-05-13	11:50	12:20	Amaruq KM 112	0-50	Qty 1; 12 caribou move 10 m away from the road	NA	NA	Heavy equipment	NA	2021	-96.0022	65.05112	NA
2021-05-14	9:53	10:08	AWAR KM 45	100-300	NA	NA	NA	NA	NA	2021	-96.3134	64.65243	NA
2021-05-15	9:02	9:53	Amaruq KM 132	100-300	Heavy equipment, light truck	NA	Heavy equipment, light truck	NA	Heavy equipment	2021	-96.1647	65.19423	NA
2021-05-15	15:02	15:38	AWAR KM 105	>1000	NA	NA	NA	NA	NA	2021	-96.0877	65.03413	NA
2021-05-16	9:00	9:31	AWAR KM 104	100-300	NA	NA	NA	NA	NA	2021	-96.0703	65.0232	NA
2021-05-16	9:54	10:29	AWAR KM 102	300-1000	NA	NA	NA	Tractor, tanker	NA	2021	-96.1331	65.05735	NA
2021-05-16	15:47	16:16	Amaruq KM 160	50-100	NA	NA	NA	NA	NA	2021	-96.4126	65.30638	NA
2021-05-17	14:53	16:28	AWAR KM 67	0-50	NA	NA	NA	NA	NA	2021	-96.0732	65.02139	NA
2021-05-17	15:11	15:47	AWAR KM 73	>1000	NA	NA	NA	NA	NA	2021	-96.3242	64.86213	NA
2021-05-18	9:22	9:45	Amaruq KM 133	100-300	NA	NA	NA	NA	NA	2021	-96.1897	65.20374	NA
2021-05-18	14:26	14:59	Amaruq KM 131	300-1000	Heavy equipment	Fuel truck	Heavy equipment	Fuel truck, tractor, light truck	NA	2021	-96.1623	65.18731	NA
2021-05-18	15:56	16:06	Amaruq KM 117	100-300	NA	NA	NA	NA	NA	2021	-96.0457	65.08304	NA
2021-05-20	12:18	12:50	Other	100-300	NA	NA	NA	NA	Blast	2021	-96.7062	65.39753	NA
2021-05-24	12:21	12:52	Amaruq KM 176	100-300	LHT	NA	LHT	LHT	NA	2021	-96.6038	65.38622	NA
2021-05-28	12:00	12:39	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2021	-96.6962	65.41761	NA
2021-05-28	12:45	13:13	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2021	-96.6961	65.41763	NA
2021-06-04	12:00	12:30	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	2021	-96.733	65.39556	NA
2021-06-04	12:41	13:11	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2021	-96.6666	65.40139	NA
2021-06-05	12:12	12:43	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	2021	-96.7038	65.39708	NA
2021-06-08	12:13	12:13	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	2021	-96.6666	65.40139	NA
2021-06-08	12:32	13:05	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2021	-96.7196	65.39914	NA
2021-06-09	12:18	12:43	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2021	-96.6666	65.40139	NA
2021-06-18	14:58	15:00	Meadowbank KM 4	300-1000	NA	NA	NA	NA	NA	2021	-96.0732	65.02138	NA
2021-08-05	12:12	12:31	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2021	-96.6859	65.41691	NA
2021-08-19	12:00	12:30	Amaruq KM (NA)	0-50	Light truck	NA	NA	NA	NA	2021	-96.6665	65.40163	NA
2021-08-19	12:42	13:09	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	2021	-96.6666	65.40144	NA
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	NA	NA	NA	Blast	NA	2021	-96.6672	65.40147	NA
2021-08-20	12:13	12:59	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	2021	-96.6672	65.40147	NA
2021-08-22	12:02	12:35	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2021	-96.7193	65.40345	NA
2021-08-22	12:35	13:13	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2021	-96.7172	65.41074	NA
2021-08-24	11:50	12:20	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2021	-96.7336	65.39524	NA
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	NA	NA	Blast	NA	NA	2021	-96.7336	65.39524	Yes
2021-09-28	11:51	13:00	Amaruq KM 177	300-1000	NA	NA	Heavy equipment	Light truck	NA	2021	-96.7336	65.39524	Yes
2021-10-22	11:44	12:45	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	2021	-96.6666	65.40146	No
2021-11-05	8:16	8:25	AWAR KM 75	0-50	Convoy	NA	NA	NA	NA	2021	-96.0737	65.02115	No

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2021-12-09	13:04	13:43	AWAR KM 44	100-300	Nicolas S, Felix Q	NA	270	West	No	101	-20	20	NA	NA
2022-01-29	11:30	13:00	Amaruq KM (NA)	100-300	Laurence Archambault, Rowan Woodall	NA	30	East	No	10	-28	40	SW	68
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	Rowan Woodall, Kathleen Newberry	NA	200	West	NA	5	-15	20	NW	67
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	Rowan Woodall, Kathleen Newberry	NA	200	West	NA	5	-15	20	NW	67
2022-04-08	9:41	10:13	Haul Road KM 147	100-300	Rowan Woodall, Kathleen Newberry	NA	150	West	No	5	-8	8	NW	92
2022-04-08	14:35	15:09	Haul Road KM 179	100-300	Rowan Woodall, Kathleen Newberry	NA	10	West	No	15	-6	8	NW	92
2022-04-09	9:12	9:54	AWAR KM 88	300-1000	Derek	NA	290	West	No	27	5	5	S	10
2022-04-09	11:48	12:18	Haul Road KM 118	300-1000	Rowan Woodall, Kathleen Newberry	NA	345	West	No	100	-8	23	SE	91
2022-04-09	12:58	13:30	AWAR KM 35	300-1000	Derek Nateela	NA	240	West	No	7	3	3	S	2
2022-04-10	6:19	6:50	Haul Road KM 144	100-300	Kathleen Newberry	NA	190	West	No	60	-5	20	NE	84
2022-04-10	7:57	8:37	Haul Road KM 167	300-1000	Kathleen Newberry	NA	30	West	No	NA	-13	21	NE	84
2022-04-10	8:55	8:55	Haul Road KM 170	300-1000	Kathleen Newberry	NA	180	West	NA	NA	-5	20	NW	NA
2022-04-10	9:02	9:45	Haul Road KM 170	300-1000	Kathleen Newberry	NA	180	West	No	NA	-13	20	NW	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	Rowan Woodall	NA	260	West	No	NA	-18	22	NE	84
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	Rowan Woodall	NA	260	West	No	NA	-18	22	NE	84
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	Rowan Woodall	NA	260	West	No	NA	-18	22	NE	84
2022-04-11	12:03	9:36	Haul Road KM 170	300-1000	Derek	NA	180	West	No	NA	-12	40	N	78
2022-04-11	17:01	18:19	Haul Road KM 179	300-1000	Eric Leonard, Kathleen Newberry	NA	300	West	No	8	-15	46	N	78
2022-04-14	10:42	11:15	Haul Road KM 170	100-300	Olivier Jean, Jean-Francois Dufour	NA	210	West	No	17	-16	20	NW	65
2022-04-14	12:13	13:23	Haul Road KM 115	300-1000	Olivier Jean, Jean-Francois Dufour	NA	270	West	No	117	-16	20	W	65
2022-04-14	16:51	13:56	Haul Road KM 115	300-1000	Olivier Jean, Jean-Francois Dufour	NA	270	West	No	117	-16	20	NW	65
2022-04-15	9:29	10:16	Haul Road KM 175	300-1000	Felix Quessy Savard Olivier Gagnon	NA	0	West	No	35	-14	20	NW	0
2022-04-15	17:48	18:30	Amaruq KM (NA)	100-300	Eric Leonard	NA	350	East	No	5	-15	24	NW	79
2022-04-16	10:07	10:41	Haul Road KM 149	300-1000	Eric Leonard	NA	10	East	No	5	-26	18	NW	72
2022-04-16	17:44	18:28	Amaruq KM (NA)	50-100	Laurence Archambault	NA	15	West	No	14	-24	18	NW	72
2022-04-17	12:39	13:10	Haul Road KM 114	300-1000	Sylvain Singaqti Olivier Gagnon	NA	90	East	No	12	-15	30	NW	0
2022-04-18	14:09	14:57	AWAR KM 95	100-300	Sylvain Singaqti	NA	0	West	No	134	-12	15	NW	14
2022-04-19	8:02	8:34	Haul Road KM 154	100-300	OJ OG	NA	40	West	No	2	-10	14	N	75
2022-04-19	12:55	13:32	AWAR KM 93	>1000	Sylvain, Felix Quessy	NA	350	West	No	123	-14	4	SW	0
2022-04-19	16:23	17:00	AWAR KM 93	>1000	Olivier Jean, Louis Dubois	NA	0	West	No	NA	-19	14	NW	75
2022-04-19	17:00	17:12	AWAR KM 93	>1000	Olivier Jean, Louis Dubois	NA	0	West	No	NA	-19	14	NW	75
2022-04-19	17:01	17:38	Amaruq KM (NA)	300-1000	Eric Leonard	NA	300	East	No	14	-17	0	SW	75
2022-04-20	12:38	13:10	Haul Road KM 150	300-1000	Eric Leonard	NA	0	East	No	9	-18	12	SE	72
2022-04-20	15:13	15:45	AWAR KM 93	300-1000	Olivier Gagnon	NA	70	East	No	84	-10	23	NW	76
2022-04-20	15:45	16:18	Haul Road KM 112	300-1000	Felix Quessy, Olivier Jean	NA	90	West	No	40	-21	20	NW	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2021-12-09	13:04	13:43	AWAR KM 44	100-300	2	No precipitation, cloudy	2	8	None
2022-01-29	11:30	13:00	Amaruq KM (NA)	100-300	0	Precipitation: None	100	2000	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	2	Precipitation: 0	100	400	Electrical panel; 5kv line; nag pile
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	2	Precipitation: 0	100	400	Electrical panel; 5kv line; nag pile
2022-04-08	9:41	10:13	Haul Road KM 147	100-300	0	Precipitation: None	200	400	None
2022-04-08	14:35	15:09	Haul Road KM 179	100-300	0	Precipitation: 0; foggy	200	500	Flags
2022-04-09	9:12	9:54	AWAR KM 88	300-1000	1	Precipitation: Snowing	100	1000	None
2022-04-09	11:48	12:18	Haul Road KM 118	300-1000	0	Precipitation: Light snow	200	400	None
2022-04-09	12:58	13:30	AWAR KM 35	300-1000	1	Precipitation: White snow	0	1200	None
2022-04-10	6:19	6:50	Haul Road KM 144	100-300	0	Precipitation: 0	100	600	None
2022-04-10	7:57	8:37	Haul Road KM 167	300-1000	0	Precipitation: 0	200	400	None
2022-04-10	8:55	8:55	Haul Road KM 170	300-1000	0	Precipitation: Light snow	100	500	LHT parked
2022-04-10	9:02	9:45	Haul Road KM 170	300-1000	0	Precipitation: Light snow	100	500	LHT parked
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	0	Precipitation: Light snow	100	400	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	0	Precipitation: Light snow	100	400	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	0	Precipitation: Light snow	100	400	NA
2022-04-11	12:03	9:36	Haul Road KM 170	300-1000	1	Precipitation: 0; nada	0	2000	Nada
2022-04-11	17:01	18:19	Haul Road KM 179	300-1000	0	Precipitation: None; gusting wind, blowing snow	200	1000	NA
2022-04-14	10:42	11:15	Haul Road KM 170	100-300	4	Precipitation: 0	0	1000	None
2022-04-14	12:13	13:23	Haul Road KM 115	300-1000	5	Precipitation: 0	0	1500	Vault garage
2022-04-14	16:51	13:56	Haul Road KM 115	300-1000	5	Precipitation: 0	0	1500	Vault garage
2022-04-15	9:29	10:16	Haul Road KM 175	300-1000	2	Precipitation: 0 Sunny	100	1500	NA
2022-04-15	17:48	18:30	Amaruq KM (NA)	100-300	5	Precipitation: 0; sunny, clear	21000	1000	No
2022-04-16	10:07	10:41	Haul Road KM 149	300-1000	5	Precipitation: 0; sunny, clear	300	1000	No
2022-04-16	17:44	18:28	Amaruq KM (NA)	50-100	0	Precipitation: 0; sunny	0	2000	Dyno plant
2022-04-17	12:39	13:10	Haul Road KM 114	300-1000	5	Precipitation: Snow	300	1000	NA
2022-04-18	14:09	14:57	AWAR KM 95	100-300	1	Precipitation: Clear, sunny	200	3000	0
2022-04-19	8:02	8:34	Haul Road KM 154	100-300	7	Precipitation: 0	0	1500	None
2022-04-19	12:55	13:32	AWAR KM 93	>1000	5	Precipitation: 0; sunny	800	1000	None
2022-04-19	16:23	17:00	AWAR KM 93	>1000	7	Precipitation: 0	0	1500	None
2022-04-19	17:00	17:12	AWAR KM 93	>1000	7	Precipitation: 0	0	1500	None
2022-04-19	17:01	17:38	Amaruq KM (NA)	300-1000	0	Precipitation: 0; overcast	0	1000	Surface drill nearby
2022-04-20	12:38	13:10	Haul Road KM 150	300-1000	5	Precipitation: 0; overcast	300	1000	None
2022-04-20	15:13	15:45	AWAR KM 93	300-1000	0	Precipitation: Snow	300	800	NA
2022-04-20	15:45	16:18	Haul Road KM 112	300-1000	1	Precipitation: 0; sunny	200	1600	No

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2021-12-09	13:04	13:43	AWAR KM 44	100-300	0	8	0	0	0	0	0	8	0	0	0	0
2022-01-29	11:30	13:00	Amaruq KM (NA)	100-300	NA	10	NA	NA	NA	NA	NA	10	NA	NA	NA	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	4	NA	NA	NA	NA	NA	4	NA	1	NA	NA	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	3	NA	NA	NA	1	NA	NA	NA	NA	NA	NA	NA
2022-04-08	9:41	10:13	Haul Road KM 147	100-300	5	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	NA
2022-04-08	14:35	15:09	Haul Road KM 179	100-300	13	2	NA	NA	NA	NA	13	2	NA	NA	NA	NA
2022-04-09	9:12	9:54	AWAR KM 88	300-1000	0	1	26	26	27	0	0	0	27	27	27	0
2022-04-09	11:48	12:18	Haul Road KM 118	300-1000	20	NA	NA	NA	NA	NA	20	NA	NA	NA	NA	NA
2022-04-09	12:58	13:30	AWAR KM 35	300-1000	0	7	0	0	7	0	0	0	7	0	7	0
2022-04-10	6:19	6:50	Haul Road KM 144	100-300	50	1	6	3	NA	NA	52	1	4	3	NA	NA
2022-04-10	7:57	8:37	Haul Road KM 167	300-1000	30	NA	NA	NA	NA	NA	12	NA	NA	8	10	NA
2022-04-10	8:55	8:55	Haul Road KM 170	300-1000	27	NA	NA	3	NA	NA	23	NA	1	5	1	NA
2022-04-10	9:02	9:45	Haul Road KM 170	300-1000	30	NA	NA	NA	NA	NA	26	NA	NA	2	2	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	16	4	NA	NA	NA	NA	16	4	NA	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	7	13	NA	NA	NA	NA	6	13	1	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	7	13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-11	12:03	9:36	Haul Road KM 170	300-1000	11	19	11	0	0	0	3	19	7	1	0	0
2022-04-11	17:01	18:19	Haul Road KM 179	300-1000	3	3	NA	NA	NA	NA	3	3	NA	NA	NA	NA
2022-04-14	10:42	11:15	Haul Road KM 170	100-300	13	0	1	1	0	0	12	0	0	3	0	0
2022-04-14	12:13	13:23	Haul Road KM 115	300-1000	27	0	0	0	0	0	25	0	0	2	0	0
2022-04-14	16:51	13:56	Haul Road KM 115	300-1000	27	0	0	0	0	0	20	0	0	6	1	0
2022-04-15	9:29	10:16	Haul Road KM 175	300-1000	NA	NA	NA	35	NA	NA	NA	NA	NA	NA	NA	35
2022-04-15	17:48	18:30	Amaruq KM (NA)	100-300	1	3	1	NA	NA	NA	2	3	NA	NA	NA	NA
2022-04-16	10:07	10:41	Haul Road KM 149	300-1000	NA	5	NA	NA	NA	NA	NA	5	NA	NA	NA	NA
2022-04-16	17:44	18:28	Amaruq KM (NA)	50-100	0	14	0	0	0	0	0	14	0	0	0	0
2022-04-17	12:39	13:10	Haul Road KM 114	300-1000	12	0	0	0	0	0	12	0	0	0	0	0
2022-04-18	14:09	14:57	AWAR KM 95	100-300	52	39	NA	43	134	NA	51	NA	34	49	134	NA
2022-04-19	8:02	8:34	Haul Road KM 154	100-300	NA	NA	2	NA	NA	NA	2	NA	NA	NA	NA	NA
2022-04-19	12:55	13:32	AWAR KM 93	>1000	80	NA	23	20	NA	NA	100	NA	NA	23	NA	NA
2022-04-19	16:23	17:00	AWAR KM 93	>1000	17	10	NA	NA	NA	NA	17	10	NA	NA	NA	NA
2022-04-19	17:00	17:12	AWAR KM 93	>1000	14	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA
2022-04-19	17:01	17:38	Amaruq KM (NA)	300-1000	12	NA	NA	1	NA	NA	12	NA	NA	2	NA	NA
2022-04-20	12:38	13:10	Haul Road KM 150	300-1000	7	NA	NA	NA	NA	NA	2	NA	4	NA	NA	NA
2022-04-20	15:13	15:45	AWAR KM 93	300-1000	42	10	30	NA	NA	NA	60	NA	24	NA	NA	NA
2022-04-20	15:45	16:18	Haul Road KM 112	300-1000	5	NA	NA	2	NA	NA	6	NA	NA	1	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2021-12-09	13:04	13:43	AWAR KM 44	100-300	0	8	0	0	0	0	0	6	2	0	0	0
2022-01-29	11:30	13:00	Amaruq KM (NA)	100-300	NA	10	NA	NA	NA	NA	NA	10	NA	NA	NA	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	5	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-08	9:41	10:13	Haul Road KM 147	100-300	5	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	NA
2022-04-08	14:35	15:09	Haul Road KM 179	100-300	12	2	NA	1	NA	NA	11	3	NA	1	NA	NA
2022-04-09	9:12	9:54	AWAR KM 88	300-1000	0	0	27	27	27	0	20	0	27	27	27	0
2022-04-09	11:48	12:18	Haul Road KM 118	300-1000	19	NA	NA	1	NA	NA	18	NA	NA	2	NA	NA
2022-04-09	12:58	13:30	AWAR KM 35	300-1000	7	0	7	7	7	0	7	0	0	7	7	0
2022-04-10	6:19	6:50	Haul Road KM 144	100-300	44	6	3	7	NA	NA	46	7	3	4	NA	NA
2022-04-10	7:57	8:37	Haul Road KM 167	300-1000	NA	NA	NA	27	3	NA	NA	NA	NA	30	NA	NA
2022-04-10	8:55	8:55	Haul Road KM 170	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-10	9:02	9:45	Haul Road KM 170	300-1000	24	NA	NA	5	1	NA	26	NA	NA	4	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	16	4	NA	NA	NA	NA	16	4	NA	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	7	13	NA	NA	NA	NA	4	16	NA	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-11	12:03	9:36	Haul Road KM 170	300-1000	6	19	5	2	0	0	8	20	8	2	0	0
2022-04-11	17:01	18:19	Haul Road KM 179	300-1000	14	NA	NA	NA	NA	NA	11	NA	3	NA	NA	NA
2022-04-14	10:42	11:15	Haul Road KM 170	100-300	8	0	0	7	0	0	14	0	0	2	0	0
2022-04-14	12:13	13:23	Haul Road KM 115	300-1000	26	0	0	1	0	0	27	0	0	0	0	0
2022-04-14	16:51	13:56	Haul Road KM 115	300-1000	25	0	0	2	0	0	27	0	0	0	0	0
2022-04-15	9:29	10:16	Haul Road KM 175	300-1000	35	NA	NA	NA	NA	NA	35	NA	NA	NA	NA	NA
2022-04-15	17:48	18:30	Amaruq KM (NA)	100-300	2	3	NA	NA	NA	NA	2	3	NA	NA	NA	NA
2022-04-16	10:07	10:41	Haul Road KM 149	300-1000	NA	5	NA	NA	NA	NA	NA	1	NA	4	NA	NA
2022-04-16	17:44	18:28	Amaruq KM (NA)	50-100	0	14	0	0	0	0	0	14	0	0	0	0
2022-04-17	12:39	13:10	Haul Road KM 114	300-1000	12	0	0	0	0	0	12	0	0	0	0	0
2022-04-18	14:09	14:57	AWAR KM 95	100-300	51	NA	34	49	134	NA	133	NA	NA	1	134	NA
2022-04-19	8:02	8:34	Haul Road KM 154	100-300	NA	NA	NA	NA	2	NA	2	NA	NA	NA	NA	NA
2022-04-19	12:55	13:32	AWAR KM 93	>1000	100	NA	23	NA	NA	NA	123	NA	NA	NA	NA	NA
2022-04-19	16:23	17:00	AWAR KM 93	>1000	17	10	NA	NA	NA	NA	15	6	NA	NA	NA	NA
2022-04-19	17:00	17:12	AWAR KM 93	>1000	2	NA	NA	NA	NA	NA	7	NA	NA	NA	NA	NA
2022-04-19	17:01	17:38	Amaruq KM (NA)	300-1000	14	NA	NA	NA	NA	NA	14	NA	NA	NA	NA	NA
2022-04-20	12:38	13:10	Haul Road KM 150	300-1000	4	NA	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-20	15:13	15:45	AWAR KM 93	300-1000	42	20	22	NA	NA	NA	60	10	14	NA	NA	NA
2022-04-20	15:45	16:18	Haul Road KM 112	300-1000	5	NA	2	NA	NA	NA	6	NA	NA	1	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2021-12-09	13:04	13:43	AWAR KM 44	100-300	0	6	0	0	0	0	0	6	0	0	0
2022-01-29	11:30	13:00	Amaruq KM (NA)	100-300	NA	10	NA	NA	NA	NA	NA	8	2	NA	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	4	NA	1	NA	NA	NA	4	NA	NA	1	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-08	9:41	10:13	Haul Road KM 147	100-300	5	NA	NA	NA	NA	NA	5	NA	NA	NA	NA
2022-04-08	14:35	15:09	Haul Road KM 179	100-300	11	4	NA	NA	NA	NA	10	4	NA	1	NA
2022-04-09	9:12	9:54	AWAR KM 88	300-1000	37	5	4	33	15	4	37	0	9	28	10
2022-04-09	11:48	12:18	Haul Road KM 118	300-1000	10	NA	NA	10	NA	NA	6	NA	1	13	NA
2022-04-09	12:58	13:30	AWAR KM 35	300-1000	0	0	0	7	7	0	7	0	7	0	7
2022-04-10	6:19	6:50	Haul Road KM 144	100-300	50	7	1	2	NA	NA	52	8	NA	NA	NA
2022-04-10	7:57	8:37	Haul Road KM 167	300-1000	27	NA	NA	3	NA	NA	20	NA	NA	8	2
2022-04-10	8:55	8:55	Haul Road KM 170	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-10	9:02	9:45	Haul Road KM 170	300-1000	23	6	NA	1	NA	NA	23	7	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	16	4	NA	NA	NA	NA	14	6	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	20	NA	NA	NA	NA	NA	20	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-11	12:03	9:36	Haul Road KM 170	300-1000	5	25	5	2	0	0	2	28	0	0	0
2022-04-11	17:01	18:19	Haul Road KM 179	300-1000	11	NA	1	1	NA	NA	14	NA	NA	NA	NA
2022-04-14	10:42	11:15	Haul Road KM 170	100-300	16	0	0	0	0	0	14	0	0	2	0
2022-04-14	12:13	13:23	Haul Road KM 115	300-1000	25	0	0	2	0	0	22	0	1	4	0
2022-04-14	16:51	13:56	Haul Road KM 115	300-1000	24	0	1	2	0	0	26	0	1	0	0
2022-04-15	9:29	10:16	Haul Road KM 175	300-1000	35	NA	NA	NA	NA	NA	NA	NA	NA	35	NA
2022-04-15	17:48	18:30	Amaruq KM (NA)	100-300	2	3	NA	NA	NA	NA	2	3	NA	NA	NA
2022-04-16	10:07	10:41	Haul Road KM 149	300-1000	NA	1	4	NA	NA	NA	4	1	NA	NA	NA
2022-04-16	17:44	18:28	Amaruq KM (NA)	50-100	0	14	0	0	0	0	0	14	0	0	0
2022-04-17	12:39	13:10	Haul Road KM 114	300-1000	12	0	0	0	0	0	12	0	0	0	0
2022-04-18	14:09	14:57	AWAR KM 95	100-300	134	NA	NA	NA	134	NA	132	NA	NA	2	134
2022-04-19	8:02	8:34	Haul Road KM 154	100-300	1	1	NA	NA	NA	NA	1	1	NA	NA	NA
2022-04-19	12:55	13:32	AWAR KM 93	>1000	123	NA	NA	NA	NA	NA	103	16	NA	4	NA
2022-04-19	16:23	17:00	AWAR KM 93	>1000	20	NA	NA	NA	NA	NA	17	NA	NA	NA	NA
2022-04-19	17:00	17:12	AWAR KM 93	>1000	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-19	17:01	17:38	Amaruq KM (NA)	300-1000	12	NA	1	1	NA	NA	12	NA	2	NA	NA
2022-04-20	12:38	13:10	Haul Road KM 150	300-1000	1	NA	NA	8	NA	NA	3	NA	NA	6	NA
2022-04-20	15:13	15:45	AWAR KM 93	300-1000	84	NA	NA	NA	NA	NA	42	NA	42	NA	NA
2022-04-20	15:45	16:18	Haul Road KM 112	300-1000	7	NA	NA	NA	NA	NA	7	NA	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2021-12-09	13:04	13:43	AWAR KM 44	100-300	0	0	6	0	0	0	0	0	6	0	0
2022-01-29	11:30	13:00	Amaruq KM (NA)	100-300	NA	NA	10	NA	NA	NA	NA	NA	10	NA	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	3	NA	1	NA	NA	NA	1	NA	NA	1
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-08	9:41	10:13	Haul Road KM 147	100-300	NA	5	NA	NA	NA	NA	NA	5	NA	NA	NA
2022-04-08	14:35	15:09	Haul Road KM 179	100-300	NA	10	3	NA	1	1	NA	10	5	NA	NA
2022-04-09	9:12	9:54	AWAR KM 88	300-1000	0	37	0	37	30	10	0	28	0	9	29
2022-04-09	11:48	12:18	Haul Road KM 118	300-1000	NA	6	NA	NA	14	NA	NA	NA	NA	NA	NA
2022-04-09	12:58	13:30	AWAR KM 35	300-1000	0	7	1	6	0	0	0	5	2	5	0
2022-04-10	6:19	6:50	Haul Road KM 144	100-300	NA	49	9	1	1	NA	NA	45	10	5	NA
2022-04-10	7:57	8:37	Haul Road KM 167	300-1000	NA	30	NA	NA	NA	NA	NA	24	NA	NA	6
2022-04-10	8:55	8:55	Haul Road KM 170	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-10	9:02	9:45	Haul Road KM 170	300-1000	NA	23	7	NA	NA	NA	NA	22	7	1	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	14	6	NA	NA	NA	NA	11	9	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	20	NA	NA	NA	NA	NA	20	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-11	12:03	9:36	Haul Road KM 170	300-1000	0	1	29	1	0	0	0	0	30	0	0
2022-04-11	17:01	18:19	Haul Road KM 179	300-1000	NA	14	NA	NA	NA	NA	NA	12	NA	NA	2
2022-04-14	10:42	11:15	Haul Road KM 170	100-300	0	11	0	0	6	0	0	8	0	2	7
2022-04-14	12:13	13:23	Haul Road KM 115	300-1000	0	26	0	0	1	0	0	0	NA	NA	NA
2022-04-14	16:51	13:56	Haul Road KM 115	300-1000	0	22	0	0	5	0	0	24	0	0	3
2022-04-15	9:29	10:16	Haul Road KM 175	300-1000	NA	35	NA	NA	NA	NA	NA	35	NA	NA	NA
2022-04-15	17:48	18:30	Amaruq KM (NA)	100-300	NA	5	NA	NA	NA	NA	NA	NA	NA	NA	5
2022-04-16	10:07	10:41	Haul Road KM 149	300-1000	NA	4	1	NA	NA	NA	NA	4	1	NA	NA
2022-04-16	17:44	18:28	Amaruq KM (NA)	50-100	0	0	14	0	0	0	0	0	14	0	0
2022-04-17	12:39	13:10	Haul Road KM 114	300-1000	0	12	0	0	0	0	0	12	0	0	0
2022-04-18	14:09	14:57	AWAR KM 95	100-300	NA	132	NA	NA	2	134	NA	132	NA	NA	2
2022-04-19	8:02	8:34	Haul Road KM 154	100-300	NA	1	1	NA	NA	NA	NA	NA	2	NA	NA
2022-04-19	12:55	13:32	AWAR KM 93	>1000	NA	103	16	NA	4	NA	NA	100	16	NA	7
2022-04-19	16:23	17:00	AWAR KM 93	>1000	NA	15	3	NA	NA	NA	NA	14	6	NA	NA
2022-04-19	17:00	17:12	AWAR KM 93	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-19	17:01	17:38	Amaruq KM (NA)	300-1000	NA	12	NA	NA	21	NA	NA	8	NA	NA	6
2022-04-20	12:38	13:10	Haul Road KM 150	300-1000	NA	7	NA	NA	2	NA	NA	9	NA	NA	NA
2022-04-20	15:13	15:45	AWAR KM 93	300-1000	NA	40	15	24	5	NA	NA	84	NA	NA	NA
2022-04-20	15:45	16:18	Haul Road KM 112	300-1000	NA	6	NA	NA	NA	1	NA	3	NA	NA	3

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2021-12-09	13:04	13:43	AWAR KM 44	100-300	0	0	0	6	0	0	0	0	0	6	0
2022-01-29	11:30	13:00	Amaruq KM (NA)	100-300	NA	NA	NA	10	NA	NA	NA	NA	NA	10	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-08	9:41	10:13	Haul Road KM 147	100-300	NA	NA	5	NA	NA	NA	NA	NA	5	NA	NA
2022-04-08	14:35	15:09	Haul Road KM 179	100-300	NA	NA	9	6	NA	NA	NA	NA	9	6	NA
2022-04-09	9:12	9:54	AWAR KM 88	300-1000	0	0	0	0	0	12	0	0	30	5	22
2022-04-09	11:48	12:18	Haul Road KM 118	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-09	12:58	13:30	AWAR KM 35	300-1000	0	0	7	0	7	1	0	0	7	0	7
2022-04-10	6:19	6:50	Haul Road KM 144	100-300	NA	NA	38	17	2	3	NA	NA	39	18	1
2022-04-10	7:57	8:37	Haul Road KM 167	300-1000	NA	NA	29	NA	NA	1	NA	NA	30	NA	NA
2022-04-10	8:55	8:55	Haul Road KM 170	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-10	9:02	9:45	Haul Road KM 170	300-1000	NA	NA	22	7	NA	1	NA	NA	20	7	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	14	6	NA	NA	NA	NA	15	4	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	20	NA	NA	NA	NA	NA	20	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-11	12:03	9:36	Haul Road KM 170	300-1000	0	0	0	30	0	0	0	0	1	29	1
2022-04-11	17:01	18:19	Haul Road KM 179	300-1000	NA	NA	7	NA	NA	7	NA	NA	4	NA	NA
2022-04-14	10:42	11:15	Haul Road KM 170	100-300	0	0	6	0	0	10	0	0	16	0	0
2022-04-14	12:13	13:23	Haul Road KM 115	300-1000	NA	NA	0	NA	NA	NA	NA	NA	0	NA	NA
2022-04-14	16:51	13:56	Haul Road KM 115	300-1000	0	0	5	0	0	22	0	0	3	0	0
2022-04-15	9:29	10:16	Haul Road KM 175	300-1000	NA	NA	35	NA	NA	NA	NA	NA	35	NA	NA
2022-04-15	17:48	18:30	Amaruq KM (NA)	100-300	NA	NA	4	NA	1	NA	NA	NA	3	NA	2
2022-04-16	10:07	10:41	Haul Road KM 149	300-1000	NA	NA	4	1	NA	NA	NA	NA	4	1	NA
2022-04-16	17:44	18:28	Amaruq KM (NA)	50-100	0	0	0	0	0	0	14	0	0	5	0
2022-04-17	12:39	13:10	Haul Road KM 114	300-1000	0	0	12	0	0	0	0	0	12	0	0
2022-04-18	14:09	14:57	AWAR KM 95	100-300	134	NA	134	NA	NA	NA	NA	NA	134	NA	NA
2022-04-19	8:02	8:34	Haul Road KM 154	100-300	NA	NA	NA	2	NA	NA	NA	NA	NA	2	NA
2022-04-19	12:55	13:32	AWAR KM 93	>1000	NA	NA	113	NA	10	NA	NA	NA	123	NA	NA
2022-04-19	16:23	17:00	AWAR KM 93	>1000	NA	NA	14	4	NA	NA	NA	NA	15	2	NA
2022-04-19	17:00	17:12	AWAR KM 93	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-19	17:01	17:38	Amaruq KM (NA)	300-1000	NA	NA	10	NA	NA	4	NA	NA	13	NA	NA
2022-04-20	12:38	13:10	Haul Road KM 150	300-1000	NA	NA	9	NA	NA	NA	NA	NA	9	NA	NA
2022-04-20	15:13	15:45	AWAR KM 93	300-1000	NA	NA	24	NA	60	NA	NA	NA	34	NA	50
2022-04-20	15:45	16:18	Haul Road KM 112	300-1000	NA	NA	3	NA	NA	4	NA	NA	7	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2021-12-09	13:04	13:43	AWAR KM 44	100-300	0	0	0	0	5	1	0	0	0
2022-01-29	11:30	13:00	Amaruq KM (NA)	100-300	NA	NA	NA	NA	10	NA	NA	NA	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-08	9:41	10:13	Haul Road KM 147	100-300	NA	NA	NA	5	NA	NA	NA	NA	NA
2022-04-08	14:35	15:09	Haul Road KM 179	100-300	NA	NA	NA	5	10	NA	NA	NA	NA
2022-04-09	9:12	9:54	AWAR KM 88	300-1000	10	5	0	5	0	5	29	5	0
2022-04-09	11:48	12:18	Haul Road KM 118	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-09	12:58	13:30	AWAR KM 35	300-1000	0	0	0	7	0	7	2	0	0
2022-04-10	6:19	6:50	Haul Road KM 144	100-300	NA	2	NA	38	20	1	1	NA	NA
2022-04-10	7:57	8:37	Haul Road KM 167	300-1000	NA	NA	NA	29	NA	NA	1	NA	NA
2022-04-10	8:55	8:55	Haul Road KM 170	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-10	9:02	9:45	Haul Road KM 170	300-1000	3	NA	NA	18	7	NA	5	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	1	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	20	NA	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-11	12:03	9:36	Haul Road KM 170	300-1000	0	0	0	0	30	0	0	0	0
2022-04-11	17:01	18:19	Haul Road KM 179	300-1000	7	3	NA	4	NA	NA	9	1	NA
2022-04-14	10:42	11:15	Haul Road KM 170	100-300	1	0	0	14	0	0	3	0	0
2022-04-14	12:13	13:23	Haul Road KM 115	300-1000	NA	NA	NA	0	NA	NA	NA	NA	NA
2022-04-14	16:51	13:56	Haul Road KM 115	300-1000	24	0	0	2	0	0	25	0	0
2022-04-15	9:29	10:16	Haul Road KM 175	300-1000	NA	NA	NA	20	NA	NA	15	NA	NA
2022-04-15	17:48	18:30	Amaruq KM (NA)	100-300	5	NA	NA	5	NA	6	NA	NA	NA
2022-04-16	10:07	10:41	Haul Road KM 149	300-1000	NA	NA	NA	3	1	NA	1	NA	NA
2022-04-16	17:44	18:28	Amaruq KM (NA)	50-100	9	0	0	0	5	0	9	0	0
2022-04-17	12:39	13:10	Haul Road KM 114	300-1000	0	0	0	11	0	1	0	0	0
2022-04-18	14:09	14:57	AWAR KM 95	100-300	NA	NA	NA	134	NA	NA	NA	NA	NA
2022-04-19	8:02	8:34	Haul Road KM 154	100-300	NA	NA	NA	NA	2	NA	NA	NA	NA
2022-04-19	12:55	13:32	AWAR KM 93	>1000	NA	NA	NA	63	NA	60	NA	NA	NA
2022-04-19	16:23	17:00	AWAR KM 93	>1000	NA	NA	NA	15	NA	NA	2	NA	NA
2022-04-19	17:00	17:12	AWAR KM 93	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-19	17:01	17:38	Amaruq KM (NA)	300-1000	1	NA	NA	12	NA	1	1	NA	NA
2022-04-20	12:38	13:10	Haul Road KM 150	300-1000	NA	NA	NA	9	NA	NA	NA	NA	NA
2022-04-20	15:13	15:45	AWAR KM 93	300-1000	NA	NA	NA	84	NA	NA	NA	NA	NA
2022-04-20	15:45	16:18	Haul Road KM 112	300-1000	NA	NA	NA	5	NA	NA	2	NA	NA

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2021-12-09	13:04	13:43	AWAR KM 44	100-300	NA	NA	NA	NA	NA	NA
2022-01-29	11:30	13:00	Amaruq KM (NA)	100-300	NA	Heavy equipment	NA	NA	Blast	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	NA
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	Blast	NA	NA	NA	NA	NA
2022-04-08	9:41	10:13	Haul Road KM 147	100-300	NA	NA	Heavy equipment	NA	NA	Heavy equipment
2022-04-08	14:35	15:09	Haul Road KM 179	100-300	NA	NA	Blast	NA	Light truck	NA
2022-04-09	9:12	9:54	AWAR KM 88	300-1000	NA	NA	NA	NA	NA	NA
2022-04-09	11:48	12:18	Haul Road KM 118	300-1000	NA	Heavy equipment	Heavy equipment	NA	NA	NA
2022-04-09	12:58	13:30	AWAR KM 35	300-1000	NA	Light truck	NA	NA	NA	NA
2022-04-10	6:19	6:50	Haul Road KM 144	100-300	NA	NA	NA	NA	NA	NA
2022-04-10	7:57	8:37	Haul Road KM 167	300-1000	NA	Maintenance vehicle	NA	Maintenance vehicle	Heavy equipment	Maintenance vehicle
2022-04-10	8:55	8:55	Haul Road KM 170	300-1000	Light truck	NA	NA	NA	NA	NA
2022-04-10	9:02	9:45	Haul Road KM 170	300-1000	NA	NA	NA	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	NA
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	NA
2022-04-11	12:03	9:36	Haul Road KM 170	300-1000	NA	NA	NA	NA	NA	NA
2022-04-11	17:01	18:19	Haul Road KM 179	300-1000	Maintenance vehicle	NA	NA	NA	NA	NA
2022-04-14	10:42	11:15	Haul Road KM 170	100-300	NA	NA	NA	NA	NA	NA
2022-04-14	12:13	13:23	Haul Road KM 115	300-1000	NA	NA	NA	NA	NA	NA
2022-04-14	16:51	13:56	Haul Road KM 115	300-1000	NA	NA	NA	NA	NA	NA
2022-04-15	9:29	10:16	Haul Road KM 175	300-1000	NA	NA	NA	NA	NA	NA
2022-04-15	17:48	18:30	Amaruq KM (NA)	100-300	NA	NA	NA	NA	Light truck	Blast
2022-04-16	10:07	10:41	Haul Road KM 149	300-1000	NA	NA	Convoy	NA	NA	NA
2022-04-16	17:44	18:28	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA
2022-04-17	12:39	13:10	Haul Road KM 114	300-1000	NA	NA	NA	NA	NA	NA
2022-04-18	14:09	14:57	AWAR KM 95	100-300	NA	NA	NA	NA	NA	NA
2022-04-19	8:02	8:34	Haul Road KM 154	100-300	Heavy equipment	Heavy equipment	Light truck	NA	NA	Heavy equipment
2022-04-19	12:55	13:32	AWAR KM 93	>1000	NA	NA	NA	NA	NA	NA
2022-04-19	16:23	17:00	AWAR KM 93	>1000	NA	NA	NA	NA	NA	NA
2022-04-19	17:00	17:12	AWAR KM 93	>1000	NA	NA	NA	NA	NA	NA
2022-04-19	17:01	17:38	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	NA
2022-04-20	12:38	13:10	Haul Road KM 150	300-1000	Heavy equipment	NA	NA	NA	Light truck	NA
2022-04-20	15:13	15:45	AWAR KM 93	300-1000	NA	NA	NA	NA	NA	NA
2022-04-20	15:45	16:18	Haul Road KM 112	300-1000	NA	NA	NA	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2021-12-09	13:04	13:43	AWAR KM 44	100-300	NA	NA	NA	NA	NA	2021	-96.307	64.6446	No
2022-01-29	11:30	13:00	Amaruq KM (NA)	100-300	NA	NA	Heavy equipment	Heavy equipment	NA	2022	-96.6666	65.4018	No
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	2022	-96.4228	65.22691	No
2022-04-03	14:30	14:30	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	2022	-96.4228	65.22691	No
2022-04-08	9:41	10:13	Haul Road KM 147	100-300	NA	NA	NA	Heavy equipment	Heavy equipment	2022	-96.411	65.22743	Yes
2022-04-08	14:35	15:09	Haul Road KM 179	100-300	NA	NA	NA	NA	Heavy equipment	2022	-96.6464	65.4052	No
2022-04-09	9:12	9:54	AWAR KM 88	300-1000	NA	NA	NA	NA	NA	2022	-96.2181	64.96502	Yes
2022-04-09	11:48	12:18	Haul Road KM 118	300-1000	NA	NA	NA	NA	NA	2022	-96.0544	65.08503	No
2022-04-09	12:58	13:30	AWAR KM 35	300-1000	NA	NA	NA	NA	NA	2022	-96.2483	64.57509	Yes
2022-04-10	6:19	6:50	Haul Road KM 144	100-300	NA	NA	NA	NA	NA	2022	-96.3908	65.22584	No
2022-04-10	7:57	8:37	Haul Road KM 167	300-1000	Maintenance vehicle	Maintenance vehicle	Maintenance vehicle	Maintenance vehicle	Maintenance vehicle	2022	-96.556	65.34893	No
2022-04-10	8:55	8:55	Haul Road KM 170	300-1000	NA	NA	NA	NA	NA	2022	-96.556	65.34891	No
2022-04-10	9:02	9:45	Haul Road KM 170	300-1000	NA	NA	NA	NA	NA	2022	-96.556	65.34889	Yes
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	2022	-96.6216	65.40071	No
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	Blast	NA	NA	NA	NA	2022	-96.6216	65.40071	No
2022-04-10	16:50	18:15	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	2022	-96.6216	65.40071	No
2022-04-11	12:03	9:36	Haul Road KM 170	300-1000	NA	NA	NA	NA	NA	2022	-96.6213	65.40043	No
2022-04-11	17:01	18:19	Haul Road KM 179	300-1000	NA	Blast	NA	NA	NA	2022	-96.6481	65.40517	No
2022-04-14	10:42	11:15	Haul Road KM 170	100-300	NA	NA	NA	NA	NA	2022	-96.5811	65.35406	Yes
2022-04-14	12:13	13:23	Haul Road KM 115	300-1000	NA	NA	NA	NA	NA	2022	-96.0082	65.07064	Yes
2022-04-14	16:51	13:56	Haul Road KM 115	300-1000	NA	NA	NA	NA	NA	2022	-96.0082	65.07065	Yes
2022-04-15	9:29	10:16	Haul Road KM 175	300-1000	NA	NA	NA	NA	NA	2022	-96.62	65.40013	Yes
2022-04-15	17:48	18:30	Amaruq KM (NA)	100-300	NA	NA	Light truck	NA	NA	2022	-96.7223	65.39873	No
2022-04-16	10:07	10:41	Haul Road KM 149	300-1000	NA	NA	NA	NA	NA	2022	-96.4545	65.23167	No
2022-04-16	17:44	18:28	Amaruq KM (NA)	50-100	NA	NA	Blast	NA	NA	2022	-96.665	65.40275	No
2022-04-17	12:39	13:10	Haul Road KM 114	300-1000	NA	NA	NA	NA	NA	2022	-95.9975	65.0524	No
2022-04-18	14:09	14:57	AWAR KM 95	100-300	NA	NA	NA	NA	NA	2022	-95.9392	64.30977	No
2022-04-19	8:02	8:34	Haul Road KM 154	100-300	NA	NA	Heavy equipment	Heavy equipment	NA	2022	-96.1672	65.19603	Yes
2022-04-19	12:55	13:32	AWAR KM 93	>1000	NA	NA	NA	NA	NA	2022	-96.1775	65.02296	No
2022-04-19	16:23	17:00	AWAR KM 93	>1000	NA	NA	NA	NA	NA	2022	-96.1775	65.02296	Yes
2022-04-19	17:00	17:12	AWAR KM 93	>1000	NA	NA	NA	NA	NA	2022	-96.1775	65.02296	Yes
2022-04-19	17:01	17:38	Amaruq KM (NA)	300-1000	NA	Heavy equipment	NA	NA	NA	2022	-96.7178	65.39996	No
2022-04-20	12:38	13:10	Haul Road KM 150	300-1000	NA	Heavy equipment	NA	NA	NA	2022	-96.467	65.23546	No
2022-04-20	15:13	15:45	AWAR KM 93	300-1000	NA	NA	NA	NA	NA	2022	-96.2219	65.00081	Yes
2022-04-20	15:45	16:18	Haul Road KM 112	300-1000	Heavy equipment	NA	NA	NA	NA	2022	-96.1678	65.19606	Yes

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2022-04-21	8:44	9:48	Haul Road KM 179	100-300	Eric Leonard	NA	280	West	No	1414	-26	15	NW	71
2022-04-21	8:54	9:24	Haul Road KM 130	100-300	Olivier Gagnon, Jean-François Dufour	NA	70	East	Yes	2	-10	15	NW	75
2022-04-21	9:43	10:30	Haul Road KM 128	>1000	Olivier Gagnon, Jean-François Dufour	NA	230	West	No	16	-15	20	NW	75
2022-04-21	10:29	10:59	Haul Road KM 125	300-1000	Olivier Gagnon, Jean-François Dufour	NA	230	West	No	22	-10	20	NW	75
2022-04-21	11:05	11:36	Haul Road KM 116	300-1000	Laurence Archambault, Kevin Martee	NA	350	West	No	18	-25	25	NW	71
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	Laurence Archambault	NA	280	West	No	64	-21	6	W	81
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	Laurence Archambault	NA	280	West	No	64	-21	6	W	81
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	Laurence Archambault	NA	280	West	No	64	-21	6	W	81
2022-04-22	11:07	11:48	Haul Road KM 111	0-50	SS - JFD	NA	140	Both	Yes	254	-19	30	NE	65
2022-04-22	12:24	12:58	AWAR KM 50	100-300	Olivier Gagnon	NA	140	East	No	12	-10	30	NW	75
2022-04-22	12:54	13:28	Haul Road KM 111	50-100	Sylvain Singaqti, Jeff Dufour	NA	130	East	No	9	-18	20	NW	65
2022-04-22	13:13	13:42	Haul Road KM 163	100-300	Laurence Archambault	NA	270	West	No	36	17	6	W	81
2022-04-22	13:29	14:00	Haul Road KM 111	50-100	Sylvain Singaqti, Jeff Dufour	NA	140	East	No	10	-18	20	NW	65
2022-04-22	14:16	14:30	Haul Road KM 163	100-300	Laurence Archambault	NA	280	West	No	14	-24	6	W	87
2022-04-24	17:57	18:39	Amaruq KM (NA)	300-1000	Eric Leonard	NA	0	West	No	7	-22	20	NW	60
2022-04-25	17:20	11:12	Haul Road KM 152	0-50	Derek	NA	50	East	Yes	9	-20	40	N	78
2022-04-26	9:10	9:10	Haul Road KM 163	300-1000	Rowan Woodall, Kevin Martee	NA	330	West	NA	98	-10	7	NW	70
2022-04-26	14:30	15:18	Haul Road KM 111	300-1000	Felix Quessy Sylvain	NA	0	West	No	2	-10	15	NW	0
2022-04-27	6:17	6:50	Haul Road KM 151	0-50	Rowan Woodall	NA	120	Both	Yes	10	-10	15	NW	70
2022-04-27	16:42	17:18	Haul Road KM 125	>1000	Alex Blanchette	NA	0	West	No	36	-3	15	NE	75
2022-04-29	10:41	11:18	AWAR KM 6	100-300	Derek, Nicolas	NA	270	West	No	2	-10	30	N	0
2022-04-30	17:25	18:30	Amaruq KM 143	100-300	Rowan Woodall	NA	0	West	No	22	-14	30	N	70
2022-05-03	17:45	18:30	Haul Road KM 179	50-100	Rowan Woodall, Kathleen Newberry	NA	150	West	No	33	-6	10	SE	84
2022-05-04	15:52	16:34	Amaruq KM (NA)	0-50	Alex	NA	340	East	Yes	21	-5	15	NW	85
2022-05-05	17:35	18:26	Amaruq KM (NA)	100-300	Eric Leonard	NA	350	West	No	20	-10	40	SE	78
2022-05-07	17:35	18:15	Amaruq KM (NA)	100-300	Kathleen Newberry	NA	150	East	No	10	0	30	NW	92
2022-05-12	13:53	14:29	AWAR KM 104	50-100	Louis Dubois, Jeff Dufour	NA	180	West	No	12	-2	20	NW	65
2022-05-15	8:23	8:58	Haul Road KM 110	100-300	NB JL	NA	180	West	No	18	3	15	NW	75
2022-05-19	15:23	20:56	AWAR KM 102	100-300	Jeff Dufour	NA	270	West	No	2	-1	40	N	60
2022-06-14	17:37	18:23	Amaruq KM (NA)	300-1000	Eric Leonard	NA	0	West	No	19	22	26	W	37
2022-07-31	14:33	15:10	AWAR KM 89	>1000	JL NB	NA	300	East	No	10	8	40	NW	67
2022-07-31	15:17	15:56	AWAR KM 83	100-300	Nadine Blatter Nadine Lachance	NA	180	East	No	39	10	35	NW	67
2022-07-31	16:08	16:34	AWAR KM 52	300-1000	Alex Blanchette	NA	90	East	No	25	10	20	E	100
2022-08-01	13:44	13:44	AWAR KM 20	100-300	Derek	NA	250	West	NA	4	7	30	NW	50
2022-08-01	14:02	14:32	AWAR KM 22	50-100	Derek	NA	150	East	No	37	7	30	NW	20
2022-08-01	14:48	15:24	AWAR KM 94	100-300	Jeff Dufour	NA	250	West	No	2	6	50	NW	60
2022-08-01	15:27	15:56	AWAR KM 93	50-100	Jeff Dufour	NA	100	East	No	1	6	50	NW	60
2022-08-02	11:02	11:36	Haul Road KM 139	300-1000	NB DN	NA	300	East	No	5	10	35	N	63
2022-08-02	17:21	17:39	AWAR KM 20	100-300	Jeff Dufour	NA	90	East	No	7	9	26	N	60

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2022-04-21	8:44	9:48	Haul Road KM 179	100-300	10	Precipitation: 0; overcast, foggy	300	1000	No
2022-04-21	8:54	9:24	Haul Road KM 130	100-300	1	Precipitation: Snow	200	1500	NA
2022-04-21	9:43	10:30	Haul Road KM 128	>1000	1	Precipitation: Snow	100	1600	NA
2022-04-21	10:29	10:59	Haul Road KM 125	300-1000	1	Precipitation: Snow	200	1600	NA
2022-04-21	11:05	11:36	Haul Road KM 116	300-1000	0	Precipitation: 0; sunny	100	2000	None
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	3	Precipitation: 0; sunny	0	2000	None
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	3	Precipitation: 0; sunny	0	2000	None
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	3	Precipitation: 0; sunny	0	2000	None
2022-04-22	11:07	11:48	Haul Road KM 111	0-50	1	Precipitation: 0; sunny	200	2000	None
2022-04-22	12:24	12:58	AWAR KM 50	100-300	2	Precipitation: 0	200	1000	NA
2022-04-22	12:54	13:28	Haul Road KM 111	50-100	1	Precipitation: 0; sunny	400	2500	None
2022-04-22	13:13	13:42	Haul Road KM 163	100-300	3	Precipitation: 0; sunny	0	2000	No
2022-04-22	13:29	14:00	Haul Road KM 111	50-100	1	Precipitation: 0; sunny	300	2500	None
2022-04-22	14:16	14:30	Haul Road KM 163	100-300	3	Precipitation: 0	0	2000	None
2022-04-24	17:57	18:39	Amaruq KM (NA)	300-1000	9	Precipitation: 0	0	0	NA
2022-04-25	17:20	11:12	Haul Road KM 152	0-50	1	Precipitation: 0; nada	100	1500	Nada
2022-04-26	9:10	9:10	Haul Road KM 163	300-1000	9	Precipitation: None	100	400	NA
2022-04-26	14:30	15:18	Haul Road KM 111	300-1000	5	Precipitation: 0; sunny	100	3000	None
2022-04-27	6:17	6:50	Haul Road KM 151	0-50	10	Precipitation: 0	200	400	None
2022-04-27	16:42	17:18	Haul Road KM 125	>1000	7	Precipitation: None	100	1500	NA
2022-04-29	10:41	11:18	AWAR KM 6	100-300	1	Precipitation: 0; nada	0	800	Nada
2022-04-30	17:25	18:30	Amaruq KM 143	100-300	2	Precipitation: None	200	600	IVR WRSF
2022-05-03	17:45	18:30	Haul Road KM 179	50-100	5	Precipitation: 0	200	700	Pad K on east side of road
2022-05-04	15:52	16:34	Amaruq KM (NA)	0-50	4	Precipitation: None; few	100	1200	Airport
2022-05-05	17:35	18:26	Amaruq KM (NA)	100-300	0	Precipitation: 0; windy, poor visibility	100	1000	Vent raise storage pile nearby
2022-05-07	17:35	18:15	Amaruq KM (NA)	100-300	0	Precipitation: In the morning	300	1000	IVR WRSF; IVR att. Pond; IVR dike; Road 35; PAD K; fuel farm
2022-05-12	13:53	14:29	AWAR KM 104	50-100	1	Precipitation: None; cloudy	200	2000	None
2022-05-15	8:23	8:58	Haul Road KM 110	100-300	5	Precipitation: 0; sunny	0	800	0
2022-05-19	15:23	20:56	AWAR KM 102	100-300	4	Precipitation: 0	300	2000	NA
2022-06-14	17:37	18:23	Amaruq KM (NA)	300-1000	13	Precipitation: 0; sunny, cloudy	0	1000	None
2022-07-31	14:33	15:10	AWAR KM 89	>1000	0	Precipitation: 0; windy, cloudy	100	700	NA
2022-07-31	15:17	15:56	AWAR KM 83	100-300	0	Precipitation: 0; windy, cloudy	-100	600	0
2022-07-31	16:08	16:34	AWAR KM 52	300-1000	0	Precipitation: Light rain	500	1000	NA
2022-08-01	13:44	13:44	AWAR KM 20	100-300	1	Precipitation: Rain	100	1200	Zero
2022-08-01	14:02	14:32	AWAR KM 22	50-100	1	Precipitation: Rain, windy	100	1200	Zero
2022-08-01	14:48	15:24	AWAR KM 94	100-300	1	Precipitation: Light rain	100	1500	NA
2022-08-01	15:27	15:56	AWAR KM 93	50-100	1	Precipitation: Light rain	200	1500	NA
2022-08-02	11:02	11:36	Haul Road KM 139	300-1000	0	Precipitation: 10%; cloudy, rain	100	600	0
2022-08-02	17:21	17:39	AWAR KM 20	100-300	1	Precipitation: Light rain	400	1500	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2022-04-21	8:44	9:48	Haul Road KM 179	100-300	13	1	NA	NA	NA	NA	8	2	NA	NA	NA	NA
2022-04-21	8:54	9:24	Haul Road KM 130	100-300	NA	NA	NA	2	NA	NA	NA	NA	NA	2	NA	NA
2022-04-21	9:43	10:30	Haul Road KM 128	>1000	7	NA	NA	8	NA	NA	NA	NA	NA	16	NA	NA
2022-04-21	10:29	10:59	Haul Road KM 125	300-1000	11	NA	NA	11	NA	NA	11	NA	NA	11	NA	NA
2022-04-21	11:05	11:36	Haul Road KM 116	300-1000	7	0	0	10	1	0	10	0	2	6	0	0
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	25	34	4	0	1	0	45	6	0	13	0	0
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	30	34	0	0	0	0	NA	NA	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	0	0	0	67	0	0	5	0	0	10	0	0
2022-04-22	11:07	11:48	Haul Road KM 111	0-50	9	NA	NA	12	NA	NA	21	NA	NA	NA	NA	NA
2022-04-22	12:24	12:58	AWAR KM 50	100-300	NA	12	NA	NA	NA	NA	NA	12	NA	NA	NA	NA
2022-04-22	12:54	13:28	Haul Road KM 111	50-100	NA	8	2	NA	NA	NA	NA	7	3	NA	NA	NA
2022-04-22	13:13	13:42	Haul Road KM 163	100-300	34	1	4	0	0	0	24	10	5	0	0	0
2022-04-22	13:29	14:00	Haul Road KM 111	50-100	NA	9	1	NA	NA	NA	NA	10	NA	NA	NA	NA
2022-04-22	14:16	14:30	Haul Road KM 163	100-300	14	0	0	0	0	0	9	0	0	5	0	0
2022-04-24	17:57	18:39	Amaruq KM (NA)	300-1000	7	NA	NA	NA	NA	NA	7	NA	NA	NA	NA	NA
2022-04-25	17:20	11:12	Haul Road KM 152	0-50	0	0	9	9	9	0	3	0	9	1	2	0
2022-04-26	9:10	9:10	Haul Road KM 163	300-1000	NA	NA	NA	25	NA	NA	20	NA	NA	5	NA	NA
2022-04-26	14:30	15:18	Haul Road KM 111	300-1000	2	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA
2022-04-27	6:17	6:50	Haul Road KM 151	0-50	6	0	0	4	0	0	0	0	3	7	0	0
2022-04-27	16:42	17:18	Haul Road KM 125	>1000	36	0	0	0	0	0	36	0	0	0	0	0
2022-04-29	10:41	11:18	AWAR KM 6	100-300	0	0	2	2	2	2	0	0	2	2	2	0
2022-04-30	17:25	18:30	Amaruq KM 143	100-300	15	0	0	7	0	0	18	0	0	4	0	0
2022-05-03	17:45	18:30	Haul Road KM 179	50-100	0	32	1	0	0	0	1	31	1	0	0	0
2022-05-04	15:52	16:34	Amaruq KM (NA)	0-50	0	0	0	2	0	0	0	0	0	2	0	0
2022-05-05	17:35	18:26	Amaruq KM (NA)	100-300	5	15	NA	NA	NA	NA	14	6	NA	NA	NA	NA
2022-05-07	17:35	18:15	Amaruq KM (NA)	100-300	7	0	0	3	0	0	10	0	0	0	0	0
2022-05-12	13:53	14:29	AWAR KM 104	50-100	12	NA	NA	NA	NA	NA	8	NA	NA	NA	NA	NA
2022-05-15	8:23	8:58	Haul Road KM 110	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2022-05-19	15:23	20:56	AWAR KM 102	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2022-06-14	17:37	18:23	Amaruq KM (NA)	300-1000	0	7	5	6	0	0	0	7	5	7	0	0
2022-07-31	14:33	15:10	AWAR KM 89	>1000	0	8	2	0	0	0	0	9	1	0	0	0
2022-07-31	15:17	15:56	AWAR KM 83	100-300	11	0	0	0	0	0	8	0	0	3	0	0
2022-07-31	16:08	16:34	AWAR KM 52	300-1000	10	0	0	0	0	0	10	0	0	0	0	0
2022-08-01	13:44	13:44	AWAR KM 20	100-300	4	0	4	4	4	0	4	0	4	4	0	0
2022-08-01	14:02	14:32	AWAR KM 22	50-100	15	6	24	24	0	7	24	6	24	24	4	6
2022-08-01	14:48	15:24	AWAR KM 94	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2022-08-01	15:27	15:56	AWAR KM 93	50-100	1	0	0	0	0	0	1	0	0	0	0	0
2022-08-02	11:02	11:36	Haul Road KM 139	300-1000	0	5	0	0	0	0	0	5	0	0	0	0
2022-08-02	17:21	17:39	AWAR KM 20	100-300	0	0	0	7	0	0	0	0	0	7	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2022-04-21	8:44	9:48	Haul Road KM 179	100-300	7	2	NA	NA	NA	NA	6	1	NA	NA	NA	NA
2022-04-21	8:54	9:24	Haul Road KM 130	100-300	NA	NA	2	NA	NA	NA	NA	NA	NA	2	NA	NA
2022-04-21	9:43	10:30	Haul Road KM 128	>1000	NA	NA	NA	16	NA	NA	NA	NA	NA	16	NA	NA
2022-04-21	10:29	10:59	Haul Road KM 125	300-1000	1	NA	2	NA	NA	NA	16	NA	NA	NA	NA	NA
2022-04-21	11:05	11:36	Haul Road KM 116	300-1000	1	0	0	3	0	0	5	0	0	3	0	0
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	30	21	0	13	0	0	25	22	0	4	0	0
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	0	0	0	15	0	0	0	0	0	0	0	0
2022-04-22	11:07	11:48	Haul Road KM 111	0-50	21	NA	NA	NA	NA	NA	21	NA	NA	NA	NA	NA
2022-04-22	12:24	12:58	AWAR KM 50	100-300	NA	12	NA	NA	NA	NA	NA	12	NA	NA	NA	NA
2022-04-22	12:54	13:28	Haul Road KM 111	50-100	NA	9	1	NA	NA	NA	NA	10	NA	NA	NA	NA
2022-04-22	13:13	13:42	Haul Road KM 163	100-300	34	5	0	0	0	0	1	5	0	10	0	0
2022-04-22	13:29	14:00	Haul Road KM 111	50-100	NA	10	NA	NA	NA	NA	NA	10	NA	NA	NA	NA
2022-04-22	14:16	14:30	Haul Road KM 163	100-300	5	0	0	9	0	0	8	0	0	3	0	0
2022-04-24	17:57	18:39	Amaruq KM (NA)	300-1000	7	NA	NA	NA	NA	NA	7	NA	NA	NA	NA	NA
2022-04-25	17:20	11:12	Haul Road KM 152	0-50	9	0	9	1	0	0	9	0	9	0	0	0
2022-04-26	9:10	9:10	Haul Road KM 163	300-1000	25	NA	NA	NA	NA	NA	19	NA	NA	NA	NA	NA
2022-04-26	14:30	15:18	Haul Road KM 111	300-1000	NA	NA	NA	2	NA	NA	1	NA	NA	NA	NA	NA
2022-04-27	6:17	6:50	Haul Road KM 151	0-50	0	0	10	0	0	0	0	0	7	3	0	0
2022-04-27	16:42	17:18	Haul Road KM 125	>1000	36	0	0	0	0	0	0	0	0	36	0	0
2022-04-29	10:41	11:18	AWAR KM 6	100-300	0	0	1	1	0	0	0	0	0	1	0	0
2022-04-30	17:25	18:30	Amaruq KM 143	100-300	20	0	0	2	0	0	22	0	0	0	0	0
2022-05-03	17:45	18:30	Haul Road KM 179	50-100	1	32	0	0	0	0	2	30	1	0	0	0
2022-05-04	15:52	16:34	Amaruq KM (NA)	0-50	0	0	0	2	0	0	0	0	0	2	0	0
2022-05-05	17:35	18:26	Amaruq KM (NA)	100-300	14	6	NA	NA	NA	NA	12	8	NA	NA	NA	NA
2022-05-07	17:35	18:15	Amaruq KM (NA)	100-300	5	0	1	4	0	0	7	0	0	3	0	0
2022-05-12	13:53	14:29	AWAR KM 104	50-100	11	NA	NA	1	NA	NA	12	NA	NA	NA	NA	NA
2022-05-15	8:23	8:58	Haul Road KM 110	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2022-05-19	15:23	20:56	AWAR KM 102	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2022-06-14	17:37	18:23	Amaruq KM (NA)	300-1000	0	8	6	5	0	0	0	9	8	2	0	0
2022-07-31	14:33	15:10	AWAR KM 89	>1000	0	10	0	0	0	0	2	8	0	0	0	0
2022-07-31	15:17	15:56	AWAR KM 83	100-300	11	0	0	0	0	0	11	0	0	0	0	0
2022-07-31	16:08	16:34	AWAR KM 52	300-1000	7	0	0	3	0	0	2	0	0	2	0	6
2022-08-01	13:44	13:44	AWAR KM 20	100-300	4	0	4	4	0	0	0	0	4	4	0	0
2022-08-01	14:02	14:32	AWAR KM 22	50-100	27	3	27	27	4	3	27	3	27	27	0	0
2022-08-01	14:48	15:24	AWAR KM 94	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2022-08-01	15:27	15:56	AWAR KM 93	50-100	1	0	0	0	0	0	1	0	0	0	0	0
2022-08-02	11:02	11:36	Haul Road KM 139	300-1000	0	5	0	0	0	0	0	5	0	0	0	0
2022-08-02	17:21	17:39	AWAR KM 20	100-300	7	0	0	0	0	0	2	0	0	5	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2022-04-21	8:44	9:48	Haul Road KM 179	100-300	6	1	NA	3	NA	NA	7	1	NA	1	NA
2022-04-21	8:54	9:24	Haul Road KM 130	100-300	NA	NA	NA	2	NA	NA	NA	NA	NA	2	NA
2022-04-21	9:43	10:30	Haul Road KM 128	>1000	13	NA	NA	3	NA	NA	13	NA	NA	3	NA
2022-04-21	10:29	10:59	Haul Road KM 125	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-21	11:05	11:36	Haul Road KM 116	300-1000	12	0	2	0	0	0	12	0	1	4	0
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	13	28	0	6	0	0	7	33	0	3	0
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	0	0	0	0	0	0	NA	NA	NA	NA	NA
2022-04-22	11:07	11:48	Haul Road KM 111	0-50	21	NA	NA	NA	NA	NA	24	NA	NA	NA	NA
2022-04-22	12:24	12:58	AWAR KM 50	100-300	NA	12	NA	NA	NA	NA	NA	12	NA	NA	NA
2022-04-22	12:54	13:28	Haul Road KM 111	50-100	NA	10	NA	NA	NA	NA	NA	10	NA	NA	NA
2022-04-22	13:13	13:42	Haul Road KM 163	100-300	0	0	0	16	0	0	NA	NA	NA	NA	NA
2022-04-22	13:29	14:00	Haul Road KM 111	50-100	NA	10	NA	NA	NA	NA	NA	10	NA	NA	NA
2022-04-22	14:16	14:30	Haul Road KM 163	100-300	6	0	0	4	0	0	0	0	0	0	0
2022-04-24	17:57	18:39	Amaruq KM (NA)	300-1000	7	NA	NA	NA	NA	NA	6	NA	NA	NA	1
2022-04-25	17:20	11:12	Haul Road KM 152	0-50	9	0	9	9	0	0	0	0	9	9	9
2022-04-26	9:10	9:10	Haul Road KM 163	300-1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-26	14:30	15:18	Haul Road KM 111	300-1000	2	NA	NA	NA	NA	NA	2	NA	NA	NA	NA
2022-04-27	6:17	6:50	Haul Road KM 151	0-50	0	0	8	2	0	0	0	0	0	10	0
2022-04-27	16:42	17:18	Haul Road KM 125	>1000	0	0	0	36	0	0	26	0	0	10	0
2022-04-29	10:41	11:18	AWAR KM 6	100-300	0	0	0	2	0	0	0	0	0	2	0
2022-04-30	17:25	18:30	Amaruq KM 143	100-300	20	0	0	2	0	0	21	0	0	1	0
2022-05-03	17:45	18:30	Haul Road KM 179	50-100	1	30	1	0	1	0	4	29	0	0	0
2022-05-04	15:52	16:34	Amaruq KM (NA)	0-50	0	0	2	0	0	0	0	0	2	0	0
2022-05-05	17:35	18:26	Amaruq KM (NA)	100-300	12	8	NA	NA	NA	NA	13	7	NA	NA	NA
2022-05-07	17:35	18:15	Amaruq KM (NA)	100-300	10	0	0	0	0	0	8	0	0	0	2
2022-05-12	13:53	14:29	AWAR KM 104	50-100	9	1	NA	NA	NA	NA	7	2	NA	NA	NA
2022-05-15	8:23	8:58	Haul Road KM 110	100-300	2	0	0	0	0	0	2	0	0	0	0
2022-05-19	15:23	20:56	AWAR KM 102	100-300	2	0	0	0	0	0	2	0	0	0	0
2022-06-14	17:37	18:23	Amaruq KM (NA)	300-1000	0	9	9	1	0	0	0	9	10	0	0
2022-07-31	14:33	15:10	AWAR KM 89	>1000	3	7	0	0	0	0	2	8	0	0	0
2022-07-31	15:17	15:56	AWAR KM 83	100-300	11	0	0	0	0	0	11	0	0	0	0
2022-07-31	16:08	16:34	AWAR KM 52	300-1000	0	0	0	10	0	0	10	0	0	0	0
2022-08-01	13:44	13:44	AWAR KM 20	100-300	0	0	4	4	4	0	0	0	4	4	4
2022-08-01	14:02	14:32	AWAR KM 22	50-100	6	0	30	30	2	1	10	0	19	19	2
2022-08-01	14:48	15:24	AWAR KM 94	100-300	2	0	0	0	0	0	1	0	0	1	0
2022-08-01	15:27	15:56	AWAR KM 93	50-100	1	0	0	0	0	0	1	0	0	0	0
2022-08-02	11:02	11:36	Haul Road KM 139	300-1000	0	5	0	0	0	0	0	5	0	0	0
2022-08-02	17:21	17:39	AWAR KM 20	100-300	7	0	0	0	0	0	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2022-04-21	8:44	9:48	Haul Road KM 179	100-300	NA	9	NA	NA	1	NA	NA	9	NA	1	NA
2022-04-21	8:54	9:24	Haul Road KM 130	100-300	NA	NA	NA	NA	2	NA	NA	NA	NA	NA	2
2022-04-21	9:43	10:30	Haul Road KM 128	>1000	NA	14	NA	NA	2	NA	NA	15	NA	NA	1
2022-04-21	10:29	10:59	Haul Road KM 125	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-21	11:05	11:36	Haul Road KM 116	300-1000	0	14	0	0	0	0	0	16	0	1	0
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	0	5	26	0	6	1	0	7	13	0	5
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	11:07	11:48	Haul Road KM 111	0-50	NA	24	NA	NA	NA	NA	NA	24	NA	NA	NA
2022-04-22	12:24	12:58	AWAR KM 50	100-300	NA	12	NA	NA	NA	NA	NA	NA	12	NA	NA
2022-04-22	12:54	13:28	Haul Road KM 111	50-100	NA	NA	10	NA	NA	NA	NA	NA	10	NA	NA
2022-04-22	13:13	13:42	Haul Road KM 163	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	13:29	14:00	Haul Road KM 111	50-100	NA	NA	10	NA	NA	NA	NA	NA	10	NA	NA
2022-04-22	14:16	14:30	Haul Road KM 163	100-300	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-24	17:57	18:39	Amaruq KM (NA)	300-1000	NA	4	NA	NA	NA	3	NA	6	NA	NA	1
2022-04-25	17:20	11:12	Haul Road KM 152	0-50	0	0	0	9	9	9	0	0	0	9	9
2022-04-26	9:10	9:10	Haul Road KM 163	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-26	14:30	15:18	Haul Road KM 111	300-1000	NA	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-27	6:17	6:50	Haul Road KM 151	0-50	0	0	0	0	10	0	0	0	0	0	10
2022-04-27	16:42	17:18	Haul Road KM 125	>1000	0	33	3	0	0	0	0	33	3	0	0
2022-04-29	10:41	11:18	AWAR KM 6	100-300	0	0	0	0	2	0	0	0	0	0	2
2022-04-30	17:25	18:30	Amaruq KM 143	100-300	0	21	0	0	0	1	0	16	1	0	0
2022-05-03	17:45	18:30	Haul Road KM 179	50-100	0	7	26	0	0	0	0	6	27	0	0
2022-05-04	15:52	16:34	Amaruq KM (NA)	0-50	0	2	0	0	0	0	0	1	0	1	0
2022-05-05	17:35	18:26	Amaruq KM (NA)	100-300	NA	15	5	NA	NA	NA	NA	15	4	NA	1
2022-05-07	17:35	18:15	Amaruq KM (NA)	100-300	0	5	0	0	0	0	0	0	0	0	5
2022-05-12	13:53	14:29	AWAR KM 104	50-100	NA	2	5	NA	NA	NA	NA	2	5	NA	NA
2022-05-15	8:23	8:58	Haul Road KM 110	100-300	0	1	0	1	0	0	0	1	0	0	1
2022-05-19	15:23	20:56	AWAR KM 102	100-300	0	2	0	0	0	0	0	2	0	0	0
2022-06-14	17:37	18:23	Amaruq KM (NA)	300-1000	0	0	9	10	0	0	0	0	9	10	0
2022-07-31	14:33	15:10	AWAR KM 89	>1000	0	4	6	0	0	0	0	2	8	0	0
2022-07-31	15:17	15:56	AWAR KM 83	100-300	0	8	0	0	3	0	0	10	0	0	1
2022-07-31	16:08	16:34	AWAR KM 52	300-1000	0	10	0	0	0	0	0	7	0	0	3
2022-08-01	13:44	13:44	AWAR KM 20	100-300	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-01	14:02	14:32	AWAR KM 22	50-100	4	19	0	19	0	0	0	19	0	19	3
2022-08-01	14:48	15:24	AWAR KM 94	100-300	0	0	0	0	0	0	0	1	0	0	0
2022-08-01	15:27	15:56	AWAR KM 93	50-100	0	0	0	0	1	0	0	1	0	0	0
2022-08-02	11:02	11:36	Haul Road KM 139	300-1000	0	0	5	0	0	0	0	0	5	0	0
2022-08-02	17:21	17:39	AWAR KM 20	100-300	0	0	0	0	0	0	0	NA	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2022-04-21	8:44	9:48	Haul Road KM 179	100-300	NA	NA	5	NA	NA	6	NA	NA	3	NA	NA
2022-04-21	8:54	9:24	Haul Road KM 130	100-300	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	NA
2022-04-21	9:43	10:30	Haul Road KM 128	>1000	NA	NA	15	NA	NA	NA	1	NA	16	NA	NA
2022-04-21	10:29	10:59	Haul Road KM 125	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-21	11:05	11:36	Haul Road KM 116	300-1000	0	0	16	0	1	0	0	0	12	0	0
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	11:07	11:48	Haul Road KM 111	0-50	NA	NA	24	NA	NA	NA	NA	NA	24	NA	NA
2022-04-22	12:24	12:58	AWAR KM 50	100-300	NA	NA	NA	12	NA	NA	NA	NA	NA	12	NA
2022-04-22	12:54	13:28	Haul Road KM 111	50-100	NA	NA	NA	10	NA	NA	NA	NA	NA	10	NA
2022-04-22	13:13	13:42	Haul Road KM 163	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	13:29	14:00	Haul Road KM 111	50-100	NA	NA	NA	10	NA	NA	NA	NA	NA	10	NA
2022-04-22	14:16	14:30	Haul Road KM 163	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-24	17:57	18:39	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	7	NA	NA	NA	NA	NA
2022-04-25	17:20	11:12	Haul Road KM 152	0-50	9	9	9	0	9	0	9	0	9	0	9
2022-04-26	9:10	9:10	Haul Road KM 163	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-26	14:30	15:18	Haul Road KM 111	300-1000	2	NA	2	NA	NA	NA	NA	NA	2	NA	NA
2022-04-27	6:17	6:50	Haul Road KM 151	0-50	0	0	0	0	0	10	0	0	0	0	0
2022-04-27	16:42	17:18	Haul Road KM 125	>1000	0	0	32	4	0	0	0	0	36	0	0
2022-04-29	10:41	11:18	AWAR KM 6	100-300	0	0	0	0	0	2	0	0	NA	NA	NA
2022-04-30	17:25	18:30	Amaruq KM 143	100-300	5	0	21	1	0	0	0	0	21	1	0
2022-05-03	17:45	18:30	Haul Road KM 179	50-100	0	0	6	27	0	0	0	0	5	27	0
2022-05-04	15:52	16:34	Amaruq KM (NA)	0-50	0	0	0	0	1	1	0	0	1	0	1
2022-05-05	17:35	18:26	Amaruq KM (NA)	100-300	NA	NA	14	6	NA	NA	NA	NA	14	6	NA
2022-05-07	17:35	18:15	Amaruq KM (NA)	100-300	5	0	0	0	0	10	0	0	10	0	0
2022-05-12	13:53	14:29	AWAR KM 104	50-100	NA	NA	3	5	NA	NA	NA	NA	3	6	NA
2022-05-15	8:23	8:58	Haul Road KM 110	100-300	0	0	0	0	0	2	0	0	1	0	0
2022-05-19	15:23	20:56	AWAR KM 102	100-300	0	0	2	0	0	0	0	0	3	0	0
2022-06-14	17:37	18:23	Amaruq KM (NA)	300-1000	0	0	0	9	10	0	0	0	0	9	10
2022-07-31	14:33	15:10	AWAR KM 89	>1000	0	0	0	5	0	3	0	0	3	5	0
2022-07-31	15:17	15:56	AWAR KM 83	100-300	0	0	11	0	0	0	0	0	11	0	0
2022-07-31	16:08	16:34	AWAR KM 52	300-1000	0	0	9	0	0	1	0	0	5	0	0
2022-08-01	13:44	13:44	AWAR KM 20	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-01	14:02	14:32	AWAR KM 22	50-100	0	1	19	0	19	19	0	0	19	1	18
2022-08-01	14:48	15:24	AWAR KM 94	100-300	0	0	0	0	0	0	0	0	0	0	0
2022-08-01	15:27	15:56	AWAR KM 93	50-100	0	0	0	1	0	0	0	0	0	1	0
2022-08-02	11:02	11:36	Haul Road KM 139	300-1000	0	0	0	5	0	0	0	0	0	5	0
2022-08-02	17:21	17:39	AWAR KM 20	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2022-04-21	8:44	9:48	Haul Road KM 179	100-300	7	NA	NA	4	NA	NA	6	NA	NA
2022-04-21	8:54	9:24	Haul Road KM 130	100-300	2	NA	NA	NA	NA	NA	2	NA	NA
2022-04-21	9:43	10:30	Haul Road KM 128	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-21	10:29	10:59	Haul Road KM 125	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-21	11:05	11:36	Haul Road KM 116	300-1000	0	0	0	17	4	0	0	0	0
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	11:07	11:48	Haul Road KM 111	0-50	NA	NA	NA	24	NA	NA	NA	NA	NA
2022-04-22	12:24	12:58	AWAR KM 50	100-300	NA	NA	NA	NA	12	NA	NA	NA	NA
2022-04-22	12:54	13:28	Haul Road KM 111	50-100	NA	NA	NA	NA	10	NA	NA	NA	NA
2022-04-22	13:13	13:42	Haul Road KM 163	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-22	13:29	14:00	Haul Road KM 111	50-100	NA	NA	NA	NA	10	NA	NA	NA	NA
2022-04-22	14:16	14:30	Haul Road KM 163	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-24	17:57	18:39	Amaruq KM (NA)	300-1000	4	3	NA	NA	NA	7	NA	NA	NA
2022-04-25	17:20	11:12	Haul Road KM 152	0-50	0	0	0	0	0	9	9	9	7
2022-04-26	9:10	9:10	Haul Road KM 163	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-26	14:30	15:18	Haul Road KM 111	300-1000	NA	NA	NA	2	NA	NA	NA	NA	NA
2022-04-27	6:17	6:50	Haul Road KM 151	0-50	10	0	0	0	0	0	10	0	0
2022-04-27	16:42	17:18	Haul Road KM 125	>1000	0	0	0	36	0	0	0	0	0
2022-04-29	10:41	11:18	AWAR KM 6	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-04-30	17:25	18:30	Amaruq KM 143	100-300	0	0	0	16	1	0	4	1	0
2022-05-03	17:45	18:30	Haul Road KM 179	50-100	1	0	0	6	27	0	0	0	0
2022-05-04	15:52	16:34	Amaruq KM (NA)	0-50	0	0	0	2	0	0	0	0	0
2022-05-05	17:35	18:26	Amaruq KM (NA)	100-300	NA	NA	NA	16	4	NA	NA	NA	NA
2022-05-07	17:35	18:15	Amaruq KM (NA)	100-300	0	0	0	10	0	0	0	0	0
2022-05-12	13:53	14:29	AWAR KM 104	50-100	NA	NA	NA	NA	8	NA	NA	NA	NA
2022-05-15	8:23	8:58	Haul Road KM 110	100-300	1	0	0	2	0	0	0	0	0
2022-05-19	15:23	20:56	AWAR KM 102	100-300	0	0	0	3	0	0	0	0	0
2022-06-14	17:37	18:23	Amaruq KM (NA)	300-1000	0	0	0	0	9	10	0	0	0
2022-07-31	14:33	15:10	AWAR KM 89	>1000	0	0	0	3	5	0	0	0	0
2022-07-31	15:17	15:56	AWAR KM 83	100-300	0	0	0	1	0	0	0	0	1
2022-07-31	16:08	16:34	AWAR KM 52	300-1000	5	0	0	5	0	3	2	0	0
2022-08-01	13:44	13:44	AWAR KM 20	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-01	14:02	14:32	AWAR KM 22	50-100	18	0	0	19	0	19	18	2	1
2022-08-01	14:48	15:24	AWAR KM 94	100-300	0	0	0	0	0	0	0	0	0
2022-08-01	15:27	15:56	AWAR KM 93	50-100	0	0	0	0	1	0	0	0	0
2022-08-02	11:02	11:36	Haul Road KM 139	300-1000	0	0	0	0	5	0	0	0	0
2022-08-02	17:21	17:39	AWAR KM 20	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2022-04-21	8:44	9:48	Haul Road KM 179	100-300	NA	NA	NA	NA	NA	Convoy
2022-04-21	8:54	9:24	Haul Road KM 130	100-300	NA	NA	NA	NA	NA	NA
2022-04-21	9:43	10:30	Haul Road KM 128	>1000	NA	NA	Convoy	NA	NA	NA
2022-04-21	10:29	10:59	Haul Road KM 125	300-1000	NA	NA	NA	NA	Heavy equipment	NA
2022-04-21	11:05	11:36	Haul Road KM 116	300-1000	NA	Light truck	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA
2022-04-22	11:07	11:48	Haul Road KM 111	0-50	NA	Convoy	Convoy	NA	NA	NA
2022-04-22	12:24	12:58	AWAR KM 50	100-300	NA	NA	NA	NA	NA	NA
2022-04-22	12:54	13:28	Haul Road KM 111	50-100	NA	NA	NA	NA	NA	NA
2022-04-22	13:13	13:42	Haul Road KM 163	100-300	NA	NA	NA	NA	NA	NA
2022-04-22	13:29	14:00	Haul Road KM 111	50-100	Convoy	NA	NA	NA	NA	NA
2022-04-22	14:16	14:30	Haul Road KM 163	100-300	NA	NA	NA	NA	NA	NA
2022-04-24	17:57	18:39	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	NA
2022-04-25	17:20	11:12	Haul Road KM 152	0-50	NA	NA	NA	NA	NA	NA
2022-04-26	9:10	9:10	Haul Road KM 163	300-1000	NA	NA	Heavy equipment	NA	NA	NA
2022-04-26	14:30	15:18	Haul Road KM 111	300-1000	NA	NA	NA	NA	NA	NA
2022-04-27	6:17	6:50	Haul Road KM 151	0-50	NA	NA	NA	NA	NA	NA
2022-04-27	16:42	17:18	Haul Road KM 125	>1000	NA	NA	NA	NA	NA	NA
2022-04-29	10:41	11:18	AWAR KM 6	100-300	Light truck	NA	NA	NA	NA	NA
2022-04-30	17:25	18:30	Amaruq KM 143	100-300	NA	NA	NA	NA	NA	NA
2022-05-03	17:45	18:30	Haul Road KM 179	50-100	NA	NA	NA	NA	Blast	NA
2022-05-04	15:52	16:34	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	NA
2022-05-05	17:35	18:26	Amaruq KM (NA)	100-300	NA	NA	NA	NA	Blast	NA
2022-05-07	17:35	18:15	Amaruq KM (NA)	100-300	NA	NA	Heavy equipment	NA	NA	NA
2022-05-12	13:53	14:29	AWAR KM 104	50-100	NA	NA	NA	Aircraft	NA	NA
2022-05-15	8:23	8:58	Haul Road KM 110	100-300	NA	NA	NA	NA	NA	NA
2022-05-19	15:23	20:56	AWAR KM 102	100-300	NA	NA	NA	NA	NA	NA
2022-06-14	17:37	18:23	Amaruq KM (NA)	300-1000	NA	NA	NA	NA	NA	Blast
2022-07-31	14:33	15:10	AWAR KM 89	>1000	NA	NA	NA	NA	NA	NA
2022-07-31	15:17	15:56	AWAR KM 83	100-300	NA	NA	NA	NA	NA	NA
2022-07-31	16:08	16:34	AWAR KM 52	300-1000	NA	NA	NA	NA	Heavy equipment	NA
2022-08-01	13:44	13:44	AWAR KM 20	100-300	NA	NA	NA	NA	NA	NA
2022-08-01	14:02	14:32	AWAR KM 22	50-100	NA	NA	NA	NA	NA	NA
2022-08-01	14:48	15:24	AWAR KM 94	100-300	NA	NA	NA	NA	NA	NA
2022-08-01	15:27	15:56	AWAR KM 93	50-100	NA	NA	NA	NA	NA	NA
2022-08-02	11:02	11:36	Haul Road KM 139	300-1000	NA	NA	NA	NA	NA	NA
2022-08-02	17:21	17:39	AWAR KM 20	100-300	Aircraft	NA	NA	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2022-04-21	8:44	9:48	Haul Road KM 179	100-300	NA	NA	NA	NA	NA	2022	-96.6602	65.40332	Yes
2022-04-21	8:54	9:24	Haul Road KM 130	100-300	NA	NA	NA	NA	NA	2022	-96.1621	65.18778	Yes
2022-04-21	9:43	10:30	Haul Road KM 128	>1000	Convoy	NA	NA	NA	NA	2022	-96.1453	65.16726	Yes
2022-04-21	10:29	10:59	Haul Road KM 125	300-1000	NA	NA	NA	NA	NA	2022	-96.1086	65.13459	No
2022-04-21	11:05	11:36	Haul Road KM 116	300-1000	NA	NA	NA	NA	NA	2022	-96.0303	65.08291	Yes
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	2022	-96.6666	65.40146	Yes
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	Convoy	NA	NA	2022	-96.6666	65.40146	Yes
2022-04-22	9:08	9:35	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	2022	-96.6666	65.40146	Yes
2022-04-22	11:07	11:48	Haul Road KM 111	0-50	NA	NA	NA	NA	NA	2022	-96.0187	65.04849	No
2022-04-22	12:24	12:58	AWAR KM 50	100-300	NA	NA	NA	NA	NA	2022	-96.3712	64.67302	Yes
2022-04-22	12:54	13:28	Haul Road KM 111	50-100	NA	NA	NA	NA	NA	2022	-96.0103	65.05026	Yes
2022-04-22	13:13	13:42	Haul Road KM 163	100-300	NA	NA	NA	NA	NA	2022	-96.4693	65.32378	No
2022-04-22	13:29	14:00	Haul Road KM 111	50-100	NA	NA	NA	NA	NA	2022	-96.0109	65.0501	Yes
2022-04-22	14:16	14:30	Haul Road KM 163	100-300	NA	NA	NA	NA	NA	2022	-96.4131	65.3078	No
2022-04-24	17:57	18:39	Amaruq KM (NA)	300-1000	Blast	NA	NA	NA	NA	2022	-96.7304	65.40066	No
2022-04-25	17:20	11:12	Haul Road KM 152	0-50	NA	NA	Heavy equipment	Convoy	NA	2022	-96.4743	65.24868	No
2022-04-26	9:10	9:10	Haul Road KM 163	300-1000	NA	NA	NA	NA	NA	2022	-96.4427	65.32069	No
2022-04-26	14:30	15:18	Haul Road KM 111	300-1000	NA	Aircraft	NA	NA	NA	2022	-96.032	65.0455	No
2022-04-27	6:17	6:50	Haul Road KM 151	0-50	NA	NA	NA	NA	NA	2022	-96.468	65.23631	No
2022-04-27	16:42	17:18	Haul Road KM 125	>1000	NA	NA	NA	NA	NA	2022	-96.1025	65.11987	Yes
2022-04-29	10:41	11:18	AWAR KM 6	100-300	NA	NA	NA	NA	NA	2022	-96.0113	64.37485	No
2022-04-30	17:25	18:30	Amaruq KM 143	100-300	NA	Blast	NA	NA	NA	2022	-96.6665	65.40176	No
2022-05-03	17:45	18:30	Haul Road KM 179	50-100	NA	NA	NA	NA	NA	2022	-96.6666	65.40144	No
2022-05-04	15:52	16:34	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	2022	-96.0711	65.02314	Yes
2022-05-05	17:35	18:26	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2022	-96.6964	65.39651	No
2022-05-07	17:35	18:15	Amaruq KM (NA)	100-300	NA	Blast	NA	NA	NA	2022	-96.6789	65.40644	No
2022-05-12	13:53	14:29	AWAR KM 104	50-100	NA	NA	Light Truck	NA	NA	2022	-96.0705	65.02217	No
2022-05-15	8:23	8:58	Haul Road KM 110	100-300	NA	NA	NA	NA	NA	2022	-96.0644	65.01537	Yes
2022-05-19	15:23	20:56	AWAR KM 102	100-300	NA	NA	NA	NA	NA	2022	-96.0732	65.02136	Yes
2022-06-14	17:37	18:23	Amaruq KM (NA)	300-1000	Aircraft	NA	NA	NA	NA	2022	-96.6654	65.40063	No
2022-07-31	14:33	15:10	AWAR KM 89	>1000	NA	NA	NA	NA	NA	2022	-96.22	64.96855	No
2022-07-31	15:17	15:56	AWAR KM 83	100-300	NA	NA	NA	NA	NA	2022	-96.2547	64.94287	Yes
2022-07-31	16:08	16:34	AWAR KM 52	300-1000	NA	NA	NA	NA	NA	2022	-96.3731	64.67993	Yes
2022-08-01	13:44	13:44	AWAR KM 20	100-300	NA	NA	NA	NA	NA	2022	-96.0719	64.45127	Yes
2022-08-01	14:02	14:32	AWAR KM 22	50-100	NA	NA	NA	NA	NA	2022	-96.1103	64.49172	Yes
2022-08-01	14:48	15:24	AWAR KM 94	100-300	NA	NA	NA	NA	NA	2022	-96.0713	65.02307	No
2022-08-01	15:27	15:56	AWAR KM 93	50-100	NA	NA	NA	NA	NA	2022	-96.215	65.0069	No
2022-08-02	11:02	11:36	Haul Road KM 139	300-1000	NA	NA	NA	NA	NA	2022	-96.2857	65.22579	Yes
2022-08-02	17:21	17:39	AWAR KM 20	100-300	NA	NA	NA	NA	NA	2022	-96.1145	64.49469	No

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2022-08-03	11:24	11:54	AWAR KM 12	50-100	Jeff Dufour	NA	85	East	No	2	12	17	N	60
2022-08-04	10:30	10:48	Haul Road KM 159	100-300	JL NB	NA	270	East	No	3	10	26	NW	70
2022-08-04	11:03	11:16	Haul Road KM 150	>1000	JL NB	NA	310	East	No	8	10	26	NW	70
2022-08-04	11:23	11:31	AWAR KM 79	100-300	Jeff Dufour	NA	90	East	No	5	9	26	NW	60
2022-08-04	11:33	12:04	Haul Road KM 140	100-300	JL	NA	310	East	No	1	10	26	NW	70
2022-08-04	13:01	13:16	AWAR KM 32	100-300	Jeff Dufour	NA	100	East	No	5	13	26	NW	60
2022-08-09	11:34	12:18	Haul Road KM 171	100-300	Jaden Vieveen Sylvain Singaqti	NA	0	East	No	1	22	8	S	44
2022-08-26	16:57	18:18	Amaruq KM (NA)	300-1000	Eric Leonard	NA	0	East	No	3	10	4	NE	82
2022-09-23	17:03	17:03	Amaruq KM (NA)	>1000	Kathleen Newberry	NA	220	West	NA	4	3	40	SE	80
2022-09-24	13:33	14:10	Haul Road KM 174	100-300	Louis D. Kristel B.	NA	50	West	No	5	6	17	NE	80
2022-09-26	16:41	18:20	Amaruq KM (NA)	50-100	Eric Thomson	NA	70	East	No	6	1	17	NW	63
2022-10-04	11:23	11:44	Haul Road KM 130	50-100	Laurence Archambault, Kevin Martee	NA	100	West	No	2	-1	45	NW	77
2022-10-04	11:50	12:22	Haul Road KM 127	300-1000	Laurence Archambault, Kevin Martee	NA	100	West	No	1	-1	45	NW	77
2022-10-04	13:17	13:53	AWAR KM 70	0-50	Sylvain Singaqti, Felix Quessy Savard	NA	0	East	No	26	-1	40	NW	70
2022-10-07	15:11	15:40	Haul Road KM 170	100-300	Alex B. Kevin M.	NA	60	East	Yes	70	-3	50	W	0
2022-10-08	16:23	16:42	Haul Road KM 166	100-300	Alex B. Kevin M.	NA	90	East	No	1	10	20	NW	100
2022-10-15	6:24	16:20	Haul Road KM 149	0-50	Alex Blanchette	NA	270	East	No	300	-3	30	N	75
2022-10-21	16:36	17:15	AWAR KM 41	300-1000	Derek Nateela	NA	40	East	No	199	-3	20	NW	10
2022-10-30	11:04	11:37	AWAR KM 59	100-300	Felix Quessy Savard	NA	90	East	No	NA	-16	5	NW	0
2022-11-02	11:31	14:57	AWAR KM 87	300-1000	Alex B. Kevin M.	NA	270	East	No	NA	-20	20	E	0
2022-11-02	14:36	15:12	AWAR KM 81	0-50	Sylvain Singaqti	NA	0	East	Yes	338	-18	20	NW	60
2022-11-10	14:38	15:03	AWAR KM 51	300-1000	Alex Blanchette	NA	270	East	No	65	-25	20	NE	100
2022-11-12	9:25	9:48	Haul Road KM 176	300-1000	Rowan Woodall, Kathleen Newberry	NA	60	East	No	35	-16	30	SW	77
2022-11-13	12:41	13:22	AWAR KM 32	>1000	Alex, Guillaume	NA	0	Both	No	2000	-9	30	NW	0
2022-11-17	10:20	10:53	Haul Road KM 158	50-100	Kathleen Newberry	NA	250	West	No	2	-17	20	NW	77
2022-11-17	11:10	11:40	Haul Road KM 147	300-1000	Kathleen Newberry	NA	140	East	No	2	-16	20	NW	77
2022-11-17	14:07	14:44	AWAR KM 48	100-300	Eric Thomson	NA	0	East	No	100	-16	20	NE	70
2022-11-18	13:32	14:03	AWAR KM 49	300-1000	Eric Thomson	NA	0	East	No	100	-22	36	NW	60
2022-11-20	10:25	10:51	AWAR KM 66	300-1000	Derek	NA	45	East	No	96	-26	16	NE	1
2022-11-23	9:26	9:43	Haul Road KM 139	300-1000	Eric Leonard, Kathleen Newberry	NA	60	East	No	28	-18	20	E	95
2022-11-26	9:20	9:53	Haul Road KM 177	100-300	Laurence Archambault, Kevin Martee	NA	270	West	No	1	-15	18	NW	79
2023-03-30	NA	NA	AWAR KM 87	100-300	Felix Quessy Savard	NA	270	West	No	100	-27	20	E	0
2023-03-31	NA	NA	AWAR KM 57	>1000	Kendra MacMillan	NA	150	West	No	56	-17	30	NE	0
2023-04-01	NA	NA	Haul Road KM 121	300-1000	Felix Quessy	NA	270	West	No	30	-21	10	NE	0
2023-04-01	NA	NA	Haul Road KM 129	>1000	Felix Quessy	NA	270	West	No	10	-21	10	E	0
2023-04-01	NA	NA	Haul Road KM 137	>1000	Felix Quessy	NA	180	West	Yes	NA	-19	10	E	0
2023-04-03	NA	NA	Haul Road KM 112	300-1000	Derek Nateela	NA	20	West	No	390	-16	20	NW	50
2023-04-04	NA	NA	AWAR KM 92	100-300	FQS DN	NA	215	West	Yes	40	-25	10	NW	0
2023-04-05	NA	NA	AWAR KM 87	100-300	Derek	NA	305	West	No	56	-16	10	N	20

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2022-08-03	11:24	11:54	AWAR KM 12	50-100	1	Precipitation: Periods of light rain	100	1500	NA
2022-08-04	10:30	10:48	Haul Road KM 159	100-300	0	Precipitation: Small rain during the survey	200	800	NA
2022-08-04	11:03	11:16	Haul Road KM 150	>1000	0	Precipitation: On and off rain	100	700	NA
2022-08-04	11:23	11:31	AWAR KM 79	100-300	1	Precipitation: Light rain intermitant	200	1500	NA
2022-08-04	11:33	12:04	Haul Road KM 140	100-300	0	Precipitation: Rainy	300	600	NA
2022-08-04	13:01	13:16	AWAR KM 32	100-300	0	Precipitation: None	200	1500	NA
2022-08-09	11:34	12:18	Haul Road KM 171	100-300	7	Precipitation: Sunny	200	2500	Long haul truck
2022-08-26	16:57	18:18	Amaruq KM (NA)	300-1000	4	Precipitation: 0; clear skies	200	500	Seaman's
2022-09-23	17:03	17:03	Amaruq KM (NA)	>1000	0	Precipitation: None	300	1500	Berm
2022-09-24	13:33	14:10	Haul Road KM 174	100-300	1	Precipitation: None	100	1400	Flag
2022-09-26	16:41	18:20	Amaruq KM (NA)	50-100	0	Precipitation: 0; overcast	200	1000	0
2022-10-04	11:23	11:44	Haul Road KM 130	50-100	0	Precipitation: 0; cloudy	200	1500	0
2022-10-04	11:50	12:22	Haul Road KM 127	300-1000	0	Precipitation: 0; cloudy	100	1500	0
2022-10-04	13:17	13:53	AWAR KM 70	0-50	1	Precipitation: Windy, Cloudy	100	700	0
2022-10-07	15:11	15:40	Haul Road KM 170	100-300	1	Precipitation: None; overcast	200	1500	NA
2022-10-08	16:23	16:42	Haul Road KM 166	100-300	1	Precipitation: Light rain, foggy	200	1000	NA
2022-10-15	6:24	16:20	Haul Road KM 149	0-50	1	Precipitation: 0	200	1000	NA
2022-10-21	16:36	17:15	AWAR KM 41	300-1000	1	Precipitation: Cloudy	200	1200	None
2022-10-30	11:04	11:37	AWAR KM 59	100-300	1	Precipitation: 0; cloudy	2000	700	None
2022-11-02	11:31	14:57	AWAR KM 87	300-1000	3	Precipitation: None; overcast	200	700	None
2022-11-02	14:36	15:12	AWAR KM 81	0-50	1	Precipitation: Clear, Sunny with a bit of clouds	100	3000	0
2022-11-10	14:38	15:03	AWAR KM 51	300-1000	5	Precipitation: None	0	1000	NA
2022-11-12	9:25	9:48	Haul Road KM 176	300-1000	0	Precipitation: None	100	500	NA
2022-11-13	12:41	13:22	AWAR KM 32	>1000	1	Precipitation: None	100	800	Road
2022-11-17	10:20	10:53	Haul Road KM 158	50-100	1	Precipitation: 0	200	700	None
2022-11-17	11:10	11:40	Haul Road KM 147	300-1000	1	Precipitation: 0	100	800	None
2022-11-17	14:07	14:44	AWAR KM 48	100-300	0	Precipitation: 0 (NA)	300	1000	None
2022-11-18	13:32	14:03	AWAR KM 49	300-1000	0	Precipitation: 0	0	1000	0
2022-11-20	10:25	10:51	AWAR KM 66	300-1000	1	Precipitation: Shitty Shitty	0	1200	Nada
2022-11-23	9:26	9:43	Haul Road KM 139	300-1000	2	Precipitation: 0	200	800	Bridge
2022-11-26	9:20	9:53	Haul Road KM 177	100-300	0	Precipitation: None; cloudy	100	2000	Tire stop near
2023-03-30	NA	NA	AWAR KM 87	100-300	1	Precipitation: 0; sunny	100	1000	None
2023-03-31	NA	NA	AWAR KM 57	>1000	3	Precipitation: 0	100	500	NA
2023-04-01	NA	NA	Haul Road KM 121	300-1000	1	Precipitation: 0; sunny	0	900	None
2023-04-01	NA	NA	Haul Road KM 129	>1000	1	Precipitation: 0; sunny	200	700	None
2023-04-01	NA	NA	Haul Road KM 137	>1000	1	Precipitation: 0; sunny	100	900	None
2023-04-03	NA	NA	Haul Road KM 112	300-1000	2	Precipitation: Sunny, clear	100	1500	None
2023-04-04	NA	NA	AWAR KM 92	100-300	1	Precipitation: 0; sunny	0	1000	None
2023-04-05	NA	NA	AWAR KM 87	100-300	1	Precipitation: 0; cloudy	200	1200	Nada

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2022-08-03	11:24	11:54	AWAR KM 12	50-100	2	0	0	0	0	0	2	0	0	0	0	0
2022-08-04	10:30	10:48	Haul Road KM 159	100-300	3	0	0	0	0	0	2	0	0	1	0	0
2022-08-04	11:03	11:16	Haul Road KM 150	>1000	7	0	0	1	0	0	2	0	0	0	0	0
2022-08-04	11:23	11:31	AWAR KM 79	100-300	0	0	0	5	0	0	0	0	0	5	0	0
2022-08-04	11:33	12:04	Haul Road KM 140	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2022-08-04	13:01	13:16	AWAR KM 32	100-300	4	0	0	1	0	0	4	0	0	1	0	0
2022-08-09	11:34	12:18	Haul Road KM 171	100-300	1	0	0	0	0	0	0	0	0	1	0	0
2022-08-26	16:57	18:18	Amaruq KM (NA)	300-1000	3	0	0	0	0	0	3	0	0	0	0	0
2022-09-23	17:03	17:03	Amaruq KM (NA)	>1000	4	0	0	0	0	0	NA	NA	NA	NA	NA	NA
2022-09-24	13:33	14:10	Haul Road KM 174	100-300	4	0	1	0	0	0	3	2	0	0	1	0
2022-09-26	16:41	18:20	Amaruq KM (NA)	50-100	3	0	0	3	0	0	3	0	0	1	1	1
2022-10-04	11:23	11:44	Haul Road KM 130	50-100	2	0	0	0	0	0	1	0	0	0	0	0
2022-10-04	11:50	12:22	Haul Road KM 127	300-1000	1	0	0	0	0	0	1	0	0	0	0	0
2022-10-04	13:17	13:53	AWAR KM 70	0-50	10	0	0	16	0	0	20	0	0	6	0	0
2022-10-07	15:11	15:40	Haul Road KM 170	100-300	13	0	0	12	0	0	0	0	0	25	0	0
2022-10-08	16:23	16:42	Haul Road KM 166	100-300	0	0	0	1	0	0	0	0	0	1	0	0
2022-10-15	6:24	16:20	Haul Road KM 149	0-50	0	0	0	50	0	0	0	0	0	50	0	0
2022-10-21	16:36	17:15	AWAR KM 41	300-1000	40	10	10	0	0	0	45	8	7	0	0	0
2022-10-30	11:04	11:37	AWAR KM 59	100-300	0	0	0	60	0	0	0	0	5	55	0	0
2022-11-02	11:31	14:57	AWAR KM 87	300-1000	22	4	0	0	0	0	22	4	0	0	0	0
2022-11-02	14:36	15:12	AWAR KM 81	0-50	0	0	0	338	0	0	0	0	0	338	0	0
2022-11-10	14:38	15:03	AWAR KM 51	300-1000	51	0	0	0	0	0	43	0	8	0	0	0
2022-11-12	9:25	9:48	Haul Road KM 176	300-1000	10	0	0	0	0	0	10	0	0	0	0	0
2022-11-13	12:41	13:22	AWAR KM 32	>1000	0	0	0	51	0	0	0	0	0	51	0	0
2022-11-17	10:20	10:53	Haul Road KM 158	50-100	2	0	0	0	0	0	2	0	0	0	0	0
2022-11-17	11:10	11:40	Haul Road KM 147	300-1000	2	0	0	0	0	0	2	0	0	0	0	0
2022-11-17	14:07	14:44	AWAR KM 48	100-300	0	0	0	50	0	0	0	0	0	50	0	0
2022-11-18	13:32	14:03	AWAR KM 49	300-1000	3	0	2	0	0	0	2	0	3	0	0	0
2022-11-20	10:25	10:51	AWAR KM 66	300-1000	0	0	0	96	96	0	0	0	0	96	0	0
2022-11-23	9:26	9:43	Haul Road KM 139	300-1000	26	2	1	0	0	0	25	2	0	2	0	0
2022-11-26	9:20	9:53	Haul Road KM 177	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2023-03-30	NA	NA	AWAR KM 87	100-300	5	0	0	5	0	0	0	0	0	0	10	0
2023-03-31	NA	NA	AWAR KM 57	>1000	0	56	0	0	0	0	0	64	0	2	0	0
2023-04-01	NA	NA	Haul Road KM 121	300-1000	10	0	5	15	0	0	10	0	5	15	0	0
2023-04-01	NA	NA	Haul Road KM 129	>1000	0	0	0	10	0	0	0	0	0	10	0	0
2023-04-01	NA	NA	Haul Road KM 137	>1000	0	48	2	0	0	0	0	46	2	2	0	0
2023-04-03	NA	NA	Haul Road KM 112	300-1000	20	10	0	0	0	0	5	10	5	10	0	0
2023-04-04	NA	NA	AWAR KM 92	100-300	5	0	0	35	0	0	8	0	0	32	0	0
2023-04-05	NA	NA	AWAR KM 87	100-300	0	0	0	56	0	0	0	0	1	49	3	3

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2022-08-03	11:24	11:54	AWAR KM 12	50-100	1	0	0	1	0	0	2	0	0	0	0	0
2022-08-04	10:30	10:48	Haul Road KM 159	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2022-08-04	11:03	11:16	Haul Road KM 150	>1000	1	0	0	0	0	0	0	0	0	8	0	0
2022-08-04	11:23	11:31	AWAR KM 79	100-300	0	0	0	5	0	0	0	0	0	5	0	0
2022-08-04	11:33	12:04	Haul Road KM 140	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2022-08-04	13:01	13:16	AWAR KM 32	100-300	0	0	0	5	0	0	2	0	0	1	0	0
2022-08-09	11:34	12:18	Haul Road KM 171	100-300	1	0	0	0	0	0	0	0	0	0	0	1
2022-08-26	16:57	18:18	Amaruq KM (NA)	300-1000	3	0	0	0	0	0	2	0	1	0	0	0
2022-09-23	17:03	17:03	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-09-24	13:33	14:10	Haul Road KM 174	100-300	3	3	0	0	1	0	1	4	0	1	1	0
2022-09-26	16:41	18:20	Amaruq KM (NA)	50-100	6	0	0	0	0	0	5	0	0	1	0	0
2022-10-04	11:23	11:44	Haul Road KM 130	50-100	0	0	0	1	0	0	0	0	0	1	0	0
2022-10-04	11:50	12:22	Haul Road KM 127	300-1000	1	0	0	0	0	0	1	0	0	0	0	0
2022-10-04	13:17	13:53	AWAR KM 70	0-50	26	0	0	0	0	0	49	0	0	0	0	0
2022-10-07	15:11	15:40	Haul Road KM 170	100-300	0	0	0	25	0	0	0	0	0	25	0	0
2022-10-08	16:23	16:42	Haul Road KM 166	100-300	0	0	0	1	0	0	0	0	0	1	0	0
2022-10-15	6:24	16:20	Haul Road KM 149	0-50	0	0	0	50	0	0	0	0	0	50	0	0
2022-10-21	16:36	17:15	AWAR KM 41	300-1000	8	2	27	23	0	0	1	0	59	59	0	0
2022-10-30	11:04	11:37	AWAR KM 59	100-300	0	0	0	60	0	0	0	0	60	0	0	0
2022-11-02	11:31	14:57	AWAR KM 87	300-1000	26	0	0	0	0	0	19	0	0	7	0	0
2022-11-02	14:36	15:12	AWAR KM 81	0-50	0	0	0	338	0	0	0	0	0	338	0	0
2022-11-10	14:38	15:03	AWAR KM 51	300-1000	51	0	0	0	0	0	37	0	8	6	0	0
2022-11-12	9:25	9:48	Haul Road KM 176	300-1000	10	0	0	0	0	0	10	0	0	0	0	0
2022-11-13	12:41	13:22	AWAR KM 32	>1000	0	0	0	51	0	0	0	0	0	51	0	0
2022-11-17	10:20	10:53	Haul Road KM 158	50-100	2	0	0	0	0	0	2	0	0	0	0	0
2022-11-17	11:10	11:40	Haul Road KM 147	300-1000	2	0	0	0	0	0	2	0	0	0	0	0
2022-11-17	14:07	14:44	AWAR KM 48	100-300	0	0	0	50	0	0	0	0	0	50	0	0
2022-11-18	13:32	14:03	AWAR KM 49	300-1000	4	0	1	0	0	0	5	0	0	0	0	0
2022-11-20	10:25	10:51	AWAR KM 66	300-1000	0	0	0	96	0	0	0	0	0	96	0	0
2022-11-23	9:26	9:43	Haul Road KM 139	300-1000	25	4	0	0	0	0	25	4	0	0	0	0
2022-11-26	9:20	9:53	Haul Road KM 177	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2023-03-30	NA	NA	AWAR KM 87	100-300	3	0	0	3	0	0	0	0	0	0	0	0
2023-03-31	NA	NA	AWAR KM 57	>1000	0	54	0	2	0	0	0	56	0	0	0	0
2023-04-01	NA	NA	Haul Road KM 121	300-1000	21	0	0	9	0	0	12	0	0	18	0	0
2023-04-01	NA	NA	Haul Road KM 129	>1000	0	7	3	0	0	0	5	0	0	2	0	0
2023-04-01	NA	NA	Haul Road KM 137	>1000	0	50	0	0	0	0	0	45	0	5	0	0
2023-04-03	NA	NA	Haul Road KM 112	300-1000	0	20	10	0	0	0	0	0	0	30	30	0
2023-04-04	NA	NA	AWAR KM 92	100-300	0	0	0	33	7	0	6	0	0	33	1	0
2023-04-05	NA	NA	AWAR KM 87	100-300	25	0	16	15	0	0	35	0	5	16	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2022-08-03	11:24	11:54	AWAR KM 12	50-100	2	0	0	4	0	0	0	0	0	6	0
2022-08-04	10:30	10:48	Haul Road KM 159	100-300	1	0	0	0	0	0	0	0	0	0	0
2022-08-04	11:03	11:16	Haul Road KM 150	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-04	11:23	11:31	AWAR KM 79	100-300	0	0	0	0	0	0	NA	NA	NA	NA	NA
2022-08-04	11:33	12:04	Haul Road KM 140	100-300	1	0	0	0	0	0	1	0	0	0	0
2022-08-04	13:01	13:16	AWAR KM 32	100-300	2	0	0	0	0	0	1	0	0	1	0
2022-08-09	11:34	12:18	Haul Road KM 171	100-300	0	0	0	0	0	1	0	0	1	0	0
2022-08-26	16:57	18:18	Amaruq KM (NA)	300-1000	3	0	0	0	0	0	3	0	0	0	0
2022-09-23	17:03	17:03	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-09-24	13:33	14:10	Haul Road KM 174	100-300	3	4	0	0	0	0	2	5	0	0	0
2022-09-26	16:41	18:20	Amaruq KM (NA)	50-100	6	0	0	0	0	0	6	0	0	0	0
2022-10-04	11:23	11:44	Haul Road KM 130	50-100	1	0	0	1	0	0	0	0	0	0	0
2022-10-04	11:50	12:22	Haul Road KM 127	300-1000	1	0	0	0	0	0	0	0	0	1	0
2022-10-04	13:17	13:53	AWAR KM 70	0-50	39	0	0	10	0	0	47	0	0	2	0
2022-10-07	15:11	15:40	Haul Road KM 170	100-300	0	0	0	25	0	0	0	0	0	25	0
2022-10-08	16:23	16:42	Haul Road KM 166	100-300	0	0	0	1	0	0	0	0	0	1	0
2022-10-15	6:24	16:20	Haul Road KM 149	0-50	0	0	0	50	0	0	0	0	0	50	0
2022-10-21	16:36	17:15	AWAR KM 41	300-1000	0	0	60	60	0	0	50	0	10	10	0
2022-10-30	11:04	11:37	AWAR KM 59	100-300	0	0	0	60	0	0	0	0	0	60	0
2022-11-02	11:31	14:57	AWAR KM 87	300-1000	12	0	0	13	0	0	0	0	0	26	0
2022-11-02	14:36	15:12	AWAR KM 81	0-50	0	0	1	337	0	0	0	0	0	338	0
2022-11-10	14:38	15:03	AWAR KM 51	300-1000	46	0	0	5	0	0	42	0	7	2	0
2022-11-12	9:25	9:48	Haul Road KM 176	300-1000	35	0	0	0	0	0	35	0	0	0	0
2022-11-13	12:41	13:22	AWAR KM 32	>1000	0	0	0	51	0	0	0	0	0	51	0
2022-11-17	10:20	10:53	Haul Road KM 158	50-100	2	0	0	0	0	0	2	0	0	0	0
2022-11-17	11:10	11:40	Haul Road KM 147	300-1000	2	0	0	0	0	0	0	0	0	0	1
2022-11-17	14:07	14:44	AWAR KM 48	100-300	0	0	0	50	0	0	0	0	0	50	0
2022-11-18	13:32	14:03	AWAR KM 49	300-1000	5	0	0	0	0	0	3	0	2	0	0
2022-11-20	10:25	10:51	AWAR KM 66	300-1000	0	0	0	88	0	8	0	0	2	90	0
2022-11-23	9:26	9:43	Haul Road KM 139	300-1000	21	4	0	0	4	0	0	0	0	29	0
2022-11-26	9:20	9:53	Haul Road KM 177	100-300	1	0	0	0	0	0	1	0	0	0	0
2023-03-30	NA	NA	AWAR KM 87	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-03-31	NA	NA	AWAR KM 57	>1000	0	56	0	0	0	0	0	56	0	0	0
2023-04-01	NA	NA	Haul Road KM 121	300-1000	8	0	0	28	0	0	10	0	0	26	0
2023-04-01	NA	NA	Haul Road KM 129	>1000	3	0	0	3	0	0	0	0	0	6	0
2023-04-01	NA	NA	Haul Road KM 137	>1000	0	40	2	8	0	0	0	48	0	2	0
2023-04-03	NA	NA	Haul Road KM 112	300-1000	0	0	0	30	30	0	0	0	0	30	30
2023-04-04	NA	NA	AWAR KM 92	100-300	2	0	0	28	0	0	0	0	0	30	0
2023-04-05	NA	NA	AWAR KM 87	100-300	50	0	0	4	2	0	50	3	2	1	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2022-08-03	11:24	11:54	AWAR KM 12	50-100	0	2	0	0	4	0	0	6	0	0	0
2022-08-04	10:30	10:48	Haul Road KM 159	100-300	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-04	11:03	11:16	Haul Road KM 150	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-04	11:23	11:31	AWAR KM 79	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-04	11:33	12:04	Haul Road KM 140	100-300	0	1	0	0	0	0	0	0	0	0	0
2022-08-04	13:01	13:16	AWAR KM 32	100-300	0	0	0	0	0	0	0	NA	NA	NA	NA
2022-08-09	11:34	12:18	Haul Road KM 171	100-300	0	1	0	0	0	0	0	1	0	0	0
2022-08-26	16:57	18:18	Amaruq KM (NA)	300-1000	0	3	0	0	0	0	0	3	0	0	0
2022-09-23	17:03	17:03	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-09-24	13:33	14:10	Haul Road KM 174	100-300	0	1	6	0	0	0	0	1	6	0	0
2022-09-26	16:41	18:20	Amaruq KM (NA)	50-100	0	6	0	0	0	0	0	6	0	0	0
2022-10-04	11:23	11:44	Haul Road KM 130	50-100	0	0	0	0	0	0	0	NA	NA	NA	NA
2022-10-04	11:50	12:22	Haul Road KM 127	300-1000	0	1	0	0	0	0	0	1	0	0	0
2022-10-04	13:17	13:53	AWAR KM 70	0-50	0	49	0	0	0	0	0	49	0	0	0
2022-10-07	15:11	15:40	Haul Road KM 170	100-300	0	0	0	0	25	0	0	NA	NA	NA	NA
2022-10-08	16:23	16:42	Haul Road KM 166	100-300	0	0	0	0	1	0	0	NA	NA	NA	NA
2022-10-15	6:24	16:20	Haul Road KM 149	0-50	0	0	0	0	50	0	0	0	0	0	50
2022-10-21	16:36	17:15	AWAR KM 41	300-1000	0	0	0	60	0	0	0	60	0	60	0
2022-10-30	11:04	11:37	AWAR KM 59	100-300	0	0	0	0	40	0	0	0	0	0	20
2022-11-02	11:31	14:57	AWAR KM 87	300-1000	0	26	0	0	0	0	0	26	0	0	0
2022-11-02	14:36	15:12	AWAR KM 81	0-50	0	0	0	0	338	0	0	0	0	0	338
2022-11-10	14:38	15:03	AWAR KM 51	300-1000	0	0	0	0	17	0	0	0	0	3	22
2022-11-12	9:25	9:48	Haul Road KM 176	300-1000	0	33	0	0	2	0	0	0	0	0	0
2022-11-13	12:41	13:22	AWAR KM 32	>1000	0	0	0	0	51	0	0	0	0	0	51
2022-11-17	10:20	10:53	Haul Road KM 158	50-100	0	2	0	0	0	0	0	2	0	0	0
2022-11-17	11:10	11:40	Haul Road KM 147	300-1000	0	2	0	0	0	0	0	2	0	0	0
2022-11-17	14:07	14:44	AWAR KM 48	100-300	0	0	0	0	50	0	0	0	0	0	50
2022-11-18	13:32	14:03	AWAR KM 49	300-1000	0	1	0	0	4	0	0	0	0	0	5
2022-11-20	10:25	10:51	AWAR KM 66	300-1000	4	0	0	0	96	0	0	0	0	0	96
2022-11-23	9:26	9:43	Haul Road KM 139	300-1000	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-11-26	9:20	9:53	Haul Road KM 177	100-300	0	1	0	0	0	0	0	1	0	0	0
2023-03-30	NA	NA	AWAR KM 87	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-03-31	NA	NA	AWAR KM 57	>1000	0	0	55	1	0	0	0	0	56	0	0
2023-04-01	NA	NA	Haul Road KM 121	300-1000	0	15	0	0	21	0	0	18	0	0	32
2023-04-01	NA	NA	Haul Road KM 129	>1000	0	0	0	0	0	0	0	NA	NA	NA	NA
2023-04-01	NA	NA	Haul Road KM 137	>1000	0	0	46	4	0	0	0	0	30	10	10
2023-04-03	NA	NA	Haul Road KM 112	300-1000	0	30	0	30	0	0	0	0	0	0	30
2023-04-04	NA	NA	AWAR KM 92	100-300	0	0	0	0	0	0	30	0	0	0	0
2023-04-05	NA	NA	AWAR KM 87	100-300	0	53	3	0	0	0	0	31	0	5	20

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2022-08-03	11:24	11:54	AWAR KM 12	50-100	0	0	0	0	0	0	0	3	3	0	0
2022-08-04	10:30	10:48	Haul Road KM 159	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-04	11:03	11:16	Haul Road KM 150	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-04	11:23	11:31	AWAR KM 79	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-04	11:33	12:04	Haul Road KM 140	100-300	0	0	1	0	0	0	0	0	1	0	0
2022-08-04	13:01	13:16	AWAR KM 32	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-09	11:34	12:18	Haul Road KM 171	100-300	0	0	1	0	0	0	0	0	0	0	1
2022-08-26	16:57	18:18	Amaruq KM (NA)	300-1000	0	0	1	1	0	1	0	0	1	1	0
2022-09-23	17:03	17:03	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-09-24	13:33	14:10	Haul Road KM 174	100-300	0	0	1	6	0	0	0	0	1	6	0
2022-09-26	16:41	18:20	Amaruq KM (NA)	50-100	0	0	6	0	0	0	0	0	6	0	0
2022-10-04	11:23	11:44	Haul Road KM 130	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-10-04	11:50	12:22	Haul Road KM 127	300-1000	0	0	1	0	0	0	0	0	0	0	0
2022-10-04	13:17	13:53	AWAR KM 70	0-50	0	0	47	0	0	2	0	0	43	0	0
2022-10-07	15:11	15:40	Haul Road KM 170	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-10-08	16:23	16:42	Haul Road KM 166	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-10-15	6:24	16:20	Haul Road KM 149	0-50	0	0	34	0	11	5	0	0	35	0	15
2022-10-21	16:36	17:15	AWAR KM 41	300-1000	0	0	60	0	60	0	0	0	60	0	60
2022-10-30	11:04	11:37	AWAR KM 59	100-300	0	0	0	0	0	60	0	0	0	0	0
2022-11-02	11:31	14:57	AWAR KM 87	300-1000	0	0	26	0	0	0	0	0	26	0	0
2022-11-02	14:36	15:12	AWAR KM 81	0-50	0	0	0	0	0	338	0	0	0	0	0
2022-11-10	14:38	15:03	AWAR KM 51	300-1000	0	0	40	0	0	11	0	0	11	0	0
2022-11-12	9:25	9:48	Haul Road KM 176	300-1000	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-11-13	12:41	13:22	AWAR KM 32	>1000	0	0	0	0	0	51	0	0	0	0	0
2022-11-17	10:20	10:53	Haul Road KM 158	50-100	0	0	2	0	0	0	0	0	2	0	0
2022-11-17	11:10	11:40	Haul Road KM 147	300-1000	0	0	2	0	0	0	0	0	2	0	0
2022-11-17	14:07	14:44	AWAR KM 48	100-300	0	0	0	0	0	50	0	0	15	0	5
2022-11-18	13:32	14:03	AWAR KM 49	300-1000	0	0	0	0	2	3	0	0	1	0	3
2022-11-20	10:25	10:51	AWAR KM 66	300-1000	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-11-23	9:26	9:43	Haul Road KM 139	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-11-26	9:20	9:53	Haul Road KM 177	100-300	0	0	1	0	0	0	0	0	1	0	0
2023-03-30	NA	NA	AWAR KM 87	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-03-31	NA	NA	AWAR KM 57	>1000	0	0	0	56	0	0	0	0	0	56	0
2023-04-01	NA	NA	Haul Road KM 121	300-1000	0	0	24	0	0	26	0	0	12	0	0
2023-04-01	NA	NA	Haul Road KM 129	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-01	NA	NA	Haul Road KM 137	>1000	0	0	0	40	10	0	0	0	0	35	5
2023-04-03	NA	NA	Haul Road KM 112	300-1000	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-04	NA	NA	AWAR KM 92	100-300	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-05	NA	NA	AWAR KM 87	100-300	0	0	45	0	4	7	0	0	50	0	6

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2022-08-03	11:24	11:54	AWAR KM 12	50-100	3	0	0	0	0	0	3	0	0
2022-08-04	10:30	10:48	Haul Road KM 159	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-04	11:03	11:16	Haul Road KM 150	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-04	11:23	11:31	AWAR KM 79	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-04	11:33	12:04	Haul Road KM 140	100-300	0	0	0	1	0	0	0	0	0
2022-08-04	13:01	13:16	AWAR KM 32	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-08-09	11:34	12:18	Haul Road KM 171	100-300	0	0	0	0	0	0	0	1	0
2022-08-26	16:57	18:18	Amaruq KM (NA)	300-1000	0	0	0	0	0	0	2	0	0
2022-09-23	17:03	17:03	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-09-24	13:33	14:10	Haul Road KM 174	100-300	0	0	0	0	7	0	0	0	0
2022-09-26	16:41	18:20	Amaruq KM (NA)	50-100	0	0	0	6	0	0	0	0	0
2022-10-04	11:23	11:44	Haul Road KM 130	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-10-04	11:50	12:22	Haul Road KM 127	300-1000	1	0	0	1	0	0	0	0	0
2022-10-04	13:17	13:53	AWAR KM 70	0-50	6	0	0	45	4	0	0	0	0
2022-10-07	15:11	15:40	Haul Road KM 170	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-10-08	16:23	16:42	Haul Road KM 166	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-10-15	6:24	16:20	Haul Road KM 149	0-50	0	0	0	40	0	10	0	0	0
2022-10-21	16:36	17:15	AWAR KM 41	300-1000	0	0	0	60	0	60	0	0	0
2022-10-30	11:04	11:37	AWAR KM 59	100-300	60	0	0	0	0	0	60	0	0
2022-11-02	11:31	14:57	AWAR KM 87	300-1000	0	0	0	26	0	0	0	0	0
2022-11-02	14:36	15:12	AWAR KM 81	0-50	338	0	0	0	0	0	338	0	0
2022-11-10	14:38	15:03	AWAR KM 51	300-1000	40	0	0	6	0	0	45	0	0
2022-11-12	9:25	9:48	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-11-13	12:41	13:22	AWAR KM 32	>1000	51	0	0	0	0	0	51	0	0
2022-11-17	10:20	10:53	Haul Road KM 158	50-100	0	0	0	2	0	0	0	0	0
2022-11-17	11:10	11:40	Haul Road KM 147	300-1000	0	0	0	2	0	0	0	0	0
2022-11-17	14:07	14:44	AWAR KM 48	100-300	30	0	0	17	0	8	25	0	0
2022-11-18	13:32	14:03	AWAR KM 49	300-1000	1	0	0	5	0	0	0	0	0
2022-11-20	10:25	10:51	AWAR KM 66	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-11-23	9:26	9:43	Haul Road KM 139	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2022-11-26	9:20	9:53	Haul Road KM 177	100-300	0	0	0	1	0	0	0	0	0
2023-03-30	NA	NA	AWAR KM 87	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-03-31	NA	NA	AWAR KM 57	>1000	0	0	0	0	56	0	0	0	0
2023-04-01	NA	NA	Haul Road KM 121	300-1000	38	0	0	25	0	0	25	0	0
2023-04-01	NA	NA	Haul Road KM 129	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-01	NA	NA	Haul Road KM 137	>1000	10	0	0	0	40	5	5	0	0
2023-04-03	NA	NA	Haul Road KM 112	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-04	NA	NA	AWAR KM 92	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-05	NA	NA	AWAR KM 87	100-300	0	0	0	54	0	0	2	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2022-08-03	11:24	11:54	AWAR KM 12	50-100	NA	NA	NA	Convoy	Heavy equipment	NA
2022-08-04	10:30	10:48	Haul Road KM 159	100-300	NA	Heavy equipment	NA	NA	NA	NA
2022-08-04	11:03	11:16	Haul Road KM 150	>1000	NA	NA	NA	NA	NA	NA
2022-08-04	11:23	11:31	AWAR KM 79	100-300	NA	NA	NA	NA	NA	NA
2022-08-04	11:33	12:04	Haul Road KM 140	100-300	NA	NA	NA	NA	NA	NA
2022-08-04	13:01	13:16	AWAR KM 32	100-300	NA	NA	NA	NA	NA	NA
2022-08-09	11:34	12:18	Haul Road KM 171	100-300	Heavy equipment	NA	NA	NA	NA	Heavy equipment
2022-08-26	16:57	18:18	Amaruq KM (NA)	300-1000	NA	Heavy equipment	NA	NA	NA	Blast
2022-09-23	17:03	17:03	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	NA
2022-09-24	13:33	14:10	Haul Road KM 174	100-300	NA	Heavy equipment	Heavy equipment	Heavy equipment	NA	Heavy equipment
2022-09-26	16:41	18:20	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA
2022-10-04	11:23	11:44	Haul Road KM 130	50-100	NA	Heavy equipment	NA	NA	NA	NA
2022-10-04	11:50	12:22	Haul Road KM 127	300-1000	Light truck	NA	NA	NA	Heavy equipment	Heavy equipment
2022-10-04	13:17	13:53	AWAR KM 70	0-50	NA	NA	NA	NA	NA	NA
2022-10-07	15:11	15:40	Haul Road KM 170	100-300	NA	NA	NA	NA	NA	NA
2022-10-08	16:23	16:42	Haul Road KM 166	100-300	NA	NA	NA	NA	NA	NA
2022-10-15	6:24	16:20	Haul Road KM 149	0-50	NA	NA	NA	NA	NA	NA
2022-10-21	16:36	17:15	AWAR KM 41	300-1000	NA	NA	NA	NA	NA	NA
2022-10-30	11:04	11:37	AWAR KM 59	100-300	NA	NA	NA	NA	NA	NA
2022-11-02	11:31	14:57	AWAR KM 87	300-1000	NA	NA	NA	NA	NA	NA
2022-11-02	14:36	15:12	AWAR KM 81	0-50	NA	NA	NA	NA	NA	NA
2022-11-10	14:38	15:03	AWAR KM 51	300-1000	NA	NA	NA	NA	NA	NA
2022-11-12	9:25	9:48	Haul Road KM 176	300-1000	NA	Heavy equipment	Heavy equipment	NA	Heavy equipment	Heavy equipment
2022-11-13	12:41	13:22	AWAR KM 32	>1000	NA	NA	NA	NA	NA	NA
2022-11-17	10:20	10:53	Haul Road KM 158	50-100	NA	Heavy equipment	Heavy equipment	NA	NA	NA
2022-11-17	11:10	11:40	Haul Road KM 147	300-1000	NA	Heavy equipment	NA	NA	Heavy equipment	NA
2022-11-17	14:07	14:44	AWAR KM 48	100-300	NA	NA	NA	NA	NA	NA
2022-11-18	13:32	14:03	AWAR KM 49	300-1000	NA	NA	NA	NA	NA	NA
2022-11-20	10:25	10:51	AWAR KM 66	300-1000	NA	NA	NA	NA	NA	NA
2022-11-23	9:26	9:43	Haul Road KM 139	300-1000	NA	NA	Heavy equipment	NA	Light truck	NA
2022-11-26	9:20	9:53	Haul Road KM 177	100-300	Heavy equipment	Heavy equipment	Heavy equipment	NA	Heavy equipment	NA
2023-03-30	NA	NA	AWAR KM 87	100-300	NA	NA	NA	NA	NA	NA
2023-03-31	NA	NA	AWAR KM 57	>1000	NA	NA	NA	NA	NA	NA
2023-04-01	NA	NA	Haul Road KM 121	300-1000	NA	NA	NA	NA	NA	NA
2023-04-01	NA	NA	Haul Road KM 129	>1000	NA	NA	NA	NA	NA	NA
2023-04-01	NA	NA	Haul Road KM 137	>1000	NA	NA	NA	NA	NA	NA
2023-04-03	NA	NA	Haul Road KM 112	300-1000	NA	NA	NA	NA	Convoy	Convoy
2023-04-04	NA	NA	AWAR KM 92	100-300	NA	NA	NA	NA	NA	NA
2023-04-05	NA	NA	AWAR KM 87	100-300	NA	NA	NA	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2022-08-03	11:24	11:54	AWAR KM 12	50-100	NA	NA	NA	NA	NA	2022	-96.0329	64.41809	No
2022-08-04	10:30	10:48	Haul Road KM 159	100-300	NA	NA	NA	NA	NA	2022	-96.4143	65.29303	No
2022-08-04	11:03	11:16	Haul Road KM 150	>1000	NA	NA	NA	NA	NA	2022	-96.414	65.27142	No
2022-08-04	11:23	11:31	AWAR KM 79	100-300	NA	NA	NA	NA	NA	2022	-96.3064	64.91907	No
2022-08-04	11:33	12:04	Haul Road KM 140	100-300	NA	NA	NA	NA	NA	2022	-96.467	65.2356	No
2022-08-04	13:01	13:16	AWAR KM 32	100-300	NA	NA	NA	NA	NA	2022	-96.3324	64.89911	No
2022-08-09	11:34	12:18	Haul Road KM 171	100-300	NA	NA	Heavy equipment	NA	Convoy	2022	-96.604	65.36115	Yes
2022-08-26	16:57	18:18	Amaruq KM (NA)	300-1000	NA	Aircraft	NA	NA	NA	2022	-96.6664	65.40173	No
2022-09-23	17:03	17:03	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	2022	-96.6666	65.40143	No
2022-09-24	13:33	14:10	Haul Road KM 174	100-300	Heavy equipment	Heavy equipment	NA	NA	Heavy equipment	2022	-96.6024	65.37714	No
2022-09-26	16:41	18:20	Amaruq KM (NA)	50-100	Blast	NA	NA	NA	NA	2022	-96.6665	65.40167	No
2022-10-04	11:23	11:44	Haul Road KM 130	50-100	NA	NA	NA	NA	NA	2022	-96.1526	65.17786	No
2022-10-04	11:50	12:22	Haul Road KM 127	300-1000	NA	NA	NA	NA	NA	2022	-96.1262	65.15405	No
2022-10-04	13:17	13:53	AWAR KM 70	0-50	NA	NA	NA	NA	NA	2022	-96.3153	64.8338	Yes
2022-10-07	15:11	15:40	Haul Road KM 170	100-300	NA	NA	NA	NA	NA	2022	-96.5436	65.34235	No
2022-10-08	16:23	16:42	Haul Road KM 166	100-300	NA	NA	NA	NA	NA	2022	-96.5121	65.32971	No
2022-10-15	6:24	16:20	Haul Road KM 149	0-50	NA	NA	NA	NA	NA	2022	-96.4545	65.23167	No
2022-10-21	16:36	17:15	AWAR KM 41	300-1000	NA	NA	NA	NA	NA	2022	-96.0733	65.0213	Yes
2022-10-30	11:04	11:37	AWAR KM 59	100-300	NA	NA	NA	NA	NA	2022	-96.0734	65.0213	No
2022-11-02	11:31	14:57	AWAR KM 87	300-1000	NA	NA	NA	NA	NA	2022	-96.2468	64.95233	Yes
2022-11-02	14:36	15:12	AWAR KM 81	0-50	NA	NA	NA	NA	NA	2022	-96.3395	64.88263	Yes
2022-11-10	14:38	15:03	AWAR KM 51	300-1000	NA	NA	NA	NA	NA	2022	-96.3763	64.68787	No
2022-11-12	9:25	9:48	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	2022	-96.6023	65.38239	No
2022-11-13	12:41	13:22	AWAR KM 32	>1000	NA	NA	NA	NA	NA	2022	-96.2228	64.56903	Yes
2022-11-17	10:20	10:53	Haul Road KM 158	50-100	Light truck	Heavy equipment	Heavy equipment	Light truck	NA	2022	-96.4089	65.2843	No
2022-11-17	11:10	11:40	Haul Road KM 147	300-1000	NA	NA	Light truck	Heavy equipment	NA	2022	-96.4285	65.21997	No
2022-11-17	14:07	14:44	AWAR KM 48	100-300	NA	NA	NA	NA	NA	2022	-96.3715	64.67334	Yes
2022-11-18	13:32	14:03	AWAR KM 49	300-1000	NA	NA	NA	NA	NA	2022	-96.3261	64.65607	Yes
2022-11-20	10:25	10:51	AWAR KM 66	300-1000	NA	NA	NA	NA	NA	2022	-96.3273	64.81128	No
2022-11-23	9:26	9:43	Haul Road KM 139	300-1000	NA	NA	NA	NA	NA	2022	-96.2831	65.22668	No
2022-11-26	9:20	9:53	Haul Road KM 177	100-300	Heavy equipment	Heavy equipment	Tanker	Heavy equipment	NA	2022	-96.6286	65.40332	No
2023-03-30	NA	NA	AWAR KM 87	100-300	NA	NA	NA	NA	NA	2023	-96.2387	64.95483	Yes
2023-03-31	NA	NA	AWAR KM 57	>1000	NA	NA	NA	NA	NA	2023	-96.3558	64.73645	Yes
2023-04-01	NA	NA	Haul Road KM 121	300-1000	NA	NA	NA	NA	NA	2023	-96.0618	65.09125	Yes
2023-04-01	NA	NA	Haul Road KM 129	>1000	NA	NA	NA	NA	NA	2023	-96.145	65.16675	No
2023-04-01	NA	NA	Haul Road KM 137	>1000	NA	NA	NA	NA	NA	2023	-96.2437	65.21967	Yes
2023-04-03	NA	NA	Haul Road KM 112	300-1000	Convoy	NA	NA	NA	NA	2023	-95.9945	65.05688	Yes
2023-04-04	NA	NA	AWAR KM 92	100-300	NA	NA	NA	NA	NA	2023	-96.2246	64.98718	Yes
2023-04-05	NA	NA	AWAR KM 87	100-300	NA	NA	NA	NA	NA	2023	-96.2516	64.94891	No

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2023-03-30	NA	NA	Haul Road KM 169	300-1000	Guillaume Baril, Rowan Woodall	NA	330	East	Yes	2	-22	20	NW	45
2023-04-08	NA	NA	AWAR KM 95.5	300-1000	Sylvain Singaqti	NA	90	West	NA	50	-7	30	SW	0
2023-04-07	NA	NA	AWAR KM 93	300-1000	Eric Thomson	NA	340	West	No	NA	-18	10	SW	0
2023-04-14	NA	NA	AWAR KM 93	300-1000	Louis Dubois	NA	0	West	No	93	-21	5	NW	80
2023-04-12	NA	NA	Haul Road KM 130	300-1000	Louis Dubois	NA	300	East	No	34	-20	5	W	80
2023-04-10	NA	NA	Haul Road KM 111	100-300	Eric Thomson	NA	300	West	No	NA	-11	20	N	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	Thomas Dahl	NA	360	West	No	18	-17	15	N	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	Thomas Dahl	NA	360	West	No	18	-17	15	N	0
2023-04-14	NA	NA	Haul Road KM 118	300-1000	Eric Thomson	NA	300	West	No	47	-16	10	N	0
2023-04-14	NA	NA	Haul Road KM 112	300-1000	Eric Thomson	NA	300	East	No	47	-14	10	N	0
2023-04-14	NA	NA	Haul Road KM 112	>1000	Eric Thomson	NA	360	West	No	247	-14	10	N	0
2023-04-15	NA	NA	AWAR KM 101	300-1000	Eric Thomson	NA	300	West	No	4	-13	10	N	0
2023-04-12	NA	NA	AWAR KM 51	50-100	Sylvain Singaqti	NA	0	West	No	433	-13	9	NE	0
2023-04-09	NA	NA	Haul Road KM 122	>1000	Eric Thomson	NA	330	West	No	NA	-7	10	NW	0
2023-04-10	NA	NA	Haul Road KM 178	100-300	Guillaume Baril, Kathleen Newberry	NA	252	East	Yes	3	-8	20	N	77
2023-04-10	NA	NA	Haul Road KM 175	>1000	Guillaume Baril, Kathleen Newberry	NA	110	West	No	55	-9	20	N	77
2023-04-11	NA	NA	Haul Road KM 176	100-300	Guillaume Baril, Kathleen Newberry	NA	55	West	No	47	-7	11	NW	70
2023-04-11	NA	NA	Haul Road KM 178	300-1000	Guillaume Baril, Kathleen Newberry	NA	120	West	No	48	-13	13	NW	68
2023-04-14	NA	NA	Haul Road KM 176	300-1000	Kathleen Newberry	NA	150	West	No	16	-20	20	N	67
2023-04-14	NA	NA	Haul Road KM 174	300-1000	Laurence Archambault, Kathleen Newberry	NA	270	West	No	16	-17	18	NW	71
2023-04-14	NA	NA	Haul Road KM 165	>1000	Laurence Archambault, Kathleen Newberry	NA	180	West	No	NA	-11	18	NW	71
2023-04-15	NA	NA	Haul Road KM 171	>1000	Thomas Dahm	NA	360	West	No	8	-14	15	S	0
2023-04-16	NA	NA	AWAR KM 96	100-300	Eric Thomson	NA	360	West	No	2	-7	5	W	0
2023-04-16	NA	NA	AWAR KM 81	>1000	Eric Thomson	NA	360	West	No	1	-12	12	S	0
2023-04-18	NA	NA	Haul Road KM 177	300-1000	Thomas Dahm, Kendra MacMillan, Leonard Sweeting	NA	360	West	No	102	-12	9	SE	0
2023-04-17	NA	NA	Haul Road KM 154	300-1000	Kendra MacMillan, Sylvain Singaqti	NA	45	West	NA	31	-8	15	SE	89
2023-04-19	NA	NA	AWAR KM 95	100-300	Kendra MacMillan, Sylvain Singaqti	NA	45	West	No	7	-18	30	NW	20
2023-04-19	NA	NA	AWAR KM 93	>1000	Kendra MacMillan, Sylvain Singaqti	NA	30	West	No	3	-18	30	NW	30
2023-04-30	NA	NA	AWAR KM 68	>1000	Derek Nateela	NA	245	West	No	2	-14	5	S	50
2023-05-23	NA	NA	AWAR KM 83	>1000	Thomas Dahm	NA	270	West	No	2	-8	40	NW	0
2023-06-21	NA	NA	Meadowbank KM (NA)	50-100	Felix Quessy	NA	0	East	No	4	15	10	E	0
2023-10-24	NA	NA	Haul Road KM 172	100-300	Eric Leonard	NA	90	East	No	11	-5	5	E	98
2023-10-22	NA	NA	Haul Road KM 116	100-300	GUI Baril Eric Leonard	NA	10	East	No	8	-5	50	W	90
2023-10-24	NA	NA	Haul Road KM 133	100-300	Eric Leonard Guillaume Baril	NA	0	East	No	2	-5	25	E	98
2023-10-27	NA	NA	Haul Road KM 173	100-300	Laurence Archambault	NA	90	East	No	87	-12	12	NW	93
2023-10-27	NA	NA	Haul Road KM 171	100-300	Laurence Archambault	NA	55	East	No	NA	-8	12	NW	93
2023-10-27	NA	NA	Haul Road KM 171	100-300	Laurence Archambault	NA	55	East	No	NA	-8	12	NW	93

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2023-03-30	NA	NA	Haul Road KM 169	300-1000	1	Precipitation: None	100	500	NA
2023-04-08	NA	NA	AWAR KM 95.5	300-1000	0	Precipitation: Blowing snow	0	1600	None
2023-04-07	NA	NA	AWAR KM 93	300-1000	0	Precipitation: 0; sunny	500	600	0
2023-04-14	NA	NA	AWAR KM 93	300-1000	9	Precipitation: 0; sunny	0	1200	Flags
2023-04-12	NA	NA	Haul Road KM 130	300-1000	7	Precipitation: 0; sunny	0	1800	Flags
2023-04-10	NA	NA	Haul Road KM 111	100-300	0	Precipitation: 0; sunny	0	1000	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	Precipitation: 0; sunny	300	300	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	Precipitation: 0; sunny	300	300	0
2023-04-14	NA	NA	Haul Road KM 118	300-1000	0	Precipitation: 0; sunny	1000	800	0
2023-04-14	NA	NA	Haul Road KM 112	300-1000	0	Precipitation: 0	1000	800	Vault
2023-04-14	NA	NA	Haul Road KM 112	>1000	0	Precipitation: 0; sunny	1500	1200	Vault
2023-04-15	NA	NA	AWAR KM 101	300-1000	0	Precipitation: 0; sunny	100	600	0
2023-04-12	NA	NA	AWAR KM 51	50-100	4	Precipitation: 0; sunny	0	1500	0
2023-04-09	NA	NA	Haul Road KM 122	>1000	0	Precipitation: 0; cloudy	3000	800	0
2023-04-10	NA	NA	Haul Road KM 178	100-300	0	Precipitation: 0	100	900	Tower light; flags
2023-04-10	NA	NA	Haul Road KM 175	>1000	0	Precipitation: 0	100	800	None
2023-04-11	NA	NA	Haul Road KM 176	100-300	0	Precipitation: None	100	900	None
2023-04-11	NA	NA	Haul Road KM 178	300-1000	1	Precipitation: None	100	900	NA
2023-04-14	NA	NA	Haul Road KM 176	300-1000	0	Precipitation: 0	100	900	None
2023-04-14	NA	NA	Haul Road KM 174	300-1000	0	Precipitation: 0; sunny	0	2000	None
2023-04-14	NA	NA	Haul Road KM 165	>1000	0	Precipitation: 0; sunny	0	2500	None
2023-04-15	NA	NA	Haul Road KM 171	>1000	0	Precipitation: 0; sunny, clear	2000	1000	0
2023-04-16	NA	NA	AWAR KM 96	100-300	0	Precipitation: 0; cloudy	0	800	0
2023-04-16	NA	NA	AWAR KM 81	>1000	0	Precipitation: 0; cloudy	0	800	0
2023-04-18	NA	NA	Haul Road KM 177	300-1000	0	Precipitation: 0; sunny, cloudy	500	1500	0
2023-04-17	NA	NA	Haul Road KM 154	300-1000	8	Precipitation: 0; cloudy	0	0	0
2023-04-19	NA	NA	AWAR KM 95	100-300	9	Precipitation: Light snow	400	400	NA
2023-04-19	NA	NA	AWAR KM 93	>1000	9	Precipitation: Light snow	400	400	NA
2023-04-30	NA	NA	AWAR KM 68	>1000	1	Precipitation: Foggy, cloudy	100	1200	Ridge, can
2023-05-23	NA	NA	AWAR KM 83	>1000	0	Precipitation: 0; cold, windy, some light snow that didn't stay on the ground	200	1000	0
2023-06-21	NA	NA	Meadowbank KM (NA)	50-100	3	Precipitation: 0 Sunny	100	800	None
2023-10-24	NA	NA	Haul Road KM 172	100-300	0	Precipitation: Light snow	200	1000	None
2023-10-22	NA	NA	Haul Road KM 116	100-300	0	Precipitation: 0; windy, blowing snow, visibility 2 km	300	1000	Road
2023-10-24	NA	NA	Haul Road KM 133	100-300	0	Precipitation: None; sun/cloud	200	1000	None
2023-10-27	NA	NA	Haul Road KM 173	100-300	0	Precipitation: None; sun/cloud	0	2000	None
2023-10-27	NA	NA	Haul Road KM 171	100-300	0	Precipitation: Light snow, cloudy	100	2000	None
2023-10-27	NA	NA	Haul Road KM 171	100-300	0	Precipitation: Light snow, cloudy	200	2000	None

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2023-03-30	NA	NA	Haul Road KM 169	300-1000	0	0	0	2	0	0	0	0	0	2	0	0
2023-04-08	NA	NA	AWAR KM 95.5	300-1000	46	4	0	0	0	0	38	12	0	0	0	0
2023-04-07	NA	NA	AWAR KM 93	300-1000	0	0	0	30	0	0	0	0	0	30	0	0
2023-04-14	NA	NA	AWAR KM 93	300-1000	0	0	0	93	0	0	0	0	0	93	0	0
2023-04-12	NA	NA	Haul Road KM 130	300-1000	0	0	0	34	0	0	0	0	0	34	0	0
2023-04-10	NA	NA	Haul Road KM 111	100-300	1	0	4	0	0	0	5	0	0	0	0	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	0	0	18	0	0	0	0	0	18	0	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	0	0	18	0	0	0	0	0	18	0	0
2023-04-14	NA	NA	Haul Road KM 118	300-1000	0	0	0	47	0	0	0	0	0	47	0	0
2023-04-14	NA	NA	Haul Road KM 112	300-1000	0	0	0	2	0	0	0	0	0	2	0	0
2023-04-14	NA	NA	Haul Road KM 112	>1000	3	7	0	0	0	0	1	7	2	0	0	0
2023-04-15	NA	NA	AWAR KM 101	300-1000	4	0	0	0	0	0	2	0	2	0	0	0
2023-04-12	NA	NA	AWAR KM 51	50-100	7	73	0	0	0	0	5	75	0	0	0	0
2023-04-09	NA	NA	Haul Road KM 122	>1000	0	0	5	5	0	0	0	0	2	8	0	0
2023-04-10	NA	NA	Haul Road KM 178	100-300	3	0	0	0	0	0	3	0	0	0	0	0
2023-04-10	NA	NA	Haul Road KM 175	>1000	55	0	0	0	0	0	44	0	0	11	0	0
2023-04-11	NA	NA	Haul Road KM 176	100-300	44	0	0	3	0	0	46	0	0	1	0	0
2023-04-11	NA	NA	Haul Road KM 178	300-1000	0	3	45	0	0	0	0	13	29	6	0	0
2023-04-14	NA	NA	Haul Road KM 176	300-1000	10	0	4	2	0	0	7	0	0	5	0	0
2023-04-14	NA	NA	Haul Road KM 174	300-1000	16	0	0	0	0	0	14	0	2	0	0	0
2023-04-14	NA	NA	Haul Road KM 165	>1000	3	0	0	0	0	0	1	0	0	0	2	0
2023-04-15	NA	NA	Haul Road KM 171	>1000	0	0	0	8	0	0	0	0	0	18	0	0
2023-04-16	NA	NA	AWAR KM 96	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2023-04-16	NA	NA	AWAR KM 81	>1000	0	0	0	1	0	0	0	0	0	1	0	0
2023-04-18	NA	NA	Haul Road KM 177	300-1000	88	0	0	18	0	0	88	0	0	18	0	0
2023-04-17	NA	NA	Haul Road KM 154	300-1000	0	0	0	31	0	0	29	0	0	0	2	0
2023-04-19	NA	NA	AWAR KM 95	100-300	0	0	0	2	0	0	0	0	2	0	0	0
2023-04-19	NA	NA	AWAR KM 93	>1000	0	1	0	0	0	0	0	1	0	0	0	0
2023-04-30	NA	NA	AWAR KM 68	>1000	0	0	2	0	2	0	0	0	0	2	2	0
2023-05-23	NA	NA	AWAR KM 83	>1000	0	0	0	2	0	0	0	0	0	2	0	0
2023-06-21	NA	NA	Meadowbank KM (NA)	50-100	0	4	0	0	0	0	0	4	0	0	0	0
2023-10-24	NA	NA	Haul Road KM 172	100-300	10	0	0	0	1	0	10	0	0	1	0	0
2023-10-22	NA	NA	Haul Road KM 116	100-300	0	0	8	0	0	0	0	0	7	1	0	0
2023-10-24	NA	NA	Haul Road KM 133	100-300	2	0	0	0	0	0	1	0	0	1	0	0
2023-10-27	NA	NA	Haul Road KM 173	100-300	24	0	1	1	0	0	18	0	0	8	0	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	10	10	0	0	0	0	12	8	0	2	0	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	8	16	0	1	0	0	7	18	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2023-03-30	NA	NA	Haul Road KM 169	300-1000	0	0	0	2	0	0	0	0	0	2	0	0
2023-04-08	NA	NA	AWAR KM 95.5	300-1000	30	10	10	0	0	0	0	10	0	10	30	0
2023-04-07	NA	NA	AWAR KM 93	300-1000	0	0	1	25	3	1	0	0	0	30	0	0
2023-04-14	NA	NA	AWAR KM 93	300-1000	0	0	0	93	0	0	0	0	0	93	0	0
2023-04-12	NA	NA	Haul Road KM 130	300-1000	0	0	0	34	0	0	0	0	0	34	0	0
2023-04-10	NA	NA	Haul Road KM 111	100-300	5	0	0	0	0	0	5	0	0	0	0	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	0	0	18	0	0	0	0	0	18	0	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	0	0	18	0	0	0	0	0	18	0	0
2023-04-14	NA	NA	Haul Road KM 118	300-1000	0	0	0	47	0	0	0	0	0	47	0	0
2023-04-14	NA	NA	Haul Road KM 112	300-1000	0	0	0	2	0	0	2	0	0	0	0	0
2023-04-14	NA	NA	Haul Road KM 112	>1000	4	6	0	0	0	0	4	6	0	0	0	0
2023-04-15	NA	NA	AWAR KM 101	300-1000	3	0	0	1	0	0	4	0	0	0	0	0
2023-04-12	NA	NA	AWAR KM 51	50-100	5	75	0	0	0	0	4	76	0	0	0	0
2023-04-09	NA	NA	Haul Road KM 122	>1000	0	0	0	10	0	0	0	0	0	10	0	0
2023-04-10	NA	NA	Haul Road KM 178	100-300	3	0	0	0	0	0	3	0	0	0	0	0
2023-04-10	NA	NA	Haul Road KM 175	>1000	38	0	0	14	0	0	41	0	0	11	0	0
2023-04-11	NA	NA	Haul Road KM 176	100-300	46	1	0	1	0	0	38	2	0	8	0	0
2023-04-11	NA	NA	Haul Road KM 178	300-1000	0	44	4	0	0	0	0	48	0	0	0	0
2023-04-14	NA	NA	Haul Road KM 176	300-1000	4	0	0	6	2	0	0	0	1	19	0	0
2023-04-14	NA	NA	Haul Road KM 174	300-1000	14	0	0	0	0	0	13	0	0	0	1	0
2023-04-14	NA	NA	Haul Road KM 165	>1000	2	0	0	0	1	0	3	0	0	0	0	0
2023-04-15	NA	NA	Haul Road KM 171	>1000	0	0	0	8	0	0	0	0	0	8	0	0
2023-04-16	NA	NA	AWAR KM 96	100-300	2	0	0	0	0	0	1	0	1	0	0	0
2023-04-16	NA	NA	AWAR KM 81	>1000	1	0	0	0	0	0	1	0	0	0	0	0
2023-04-18	NA	NA	Haul Road KM 177	300-1000	94	0	0	8	0	0	92	0	0	10	0	0
2023-04-17	NA	NA	Haul Road KM 154	300-1000	0	0	0	0	31	0	0	0	0	30	1	0
2023-04-19	NA	NA	AWAR KM 95	100-300	0	0	0	2	0	0	0	0	0	2	0	0
2023-04-19	NA	NA	AWAR KM 93	>1000	0	1	0	0	0	0	0	1	0	0	0	0
2023-04-30	NA	NA	AWAR KM 68	>1000	0	0	2	0	0	0	0	0	2	0	0	0
2023-05-23	NA	NA	AWAR KM 83	>1000	0	0	0	2	0	0	0	0	0	2	0	0
2023-06-21	NA	NA	Meadowbank KM (NA)	50-100	0	4	0	0	0	0	0	2	2	0	0	0
2023-10-24	NA	NA	Haul Road KM 172	100-300	11	0	0	0	0	0	11	0	0	0	0	0
2023-10-22	NA	NA	Haul Road KM 116	100-300	0	0	0	8	0	0	0	0	7	0	0	0
2023-10-24	NA	NA	Haul Road KM 133	100-300	1	0	1	0	0	0	0	0	0	2	0	0
2023-10-27	NA	NA	Haul Road KM 173	100-300	25	0	0	0	0	0	13	0	0	0	0	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	11	9	0	0	0	0	7	13	0	0	0	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	7	18	0	0	0	0	0	2	0	23	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2023-03-30	NA	NA	Haul Road KM 169	300-1000	0	0	0	2	0	0	0	0	0	2	0
2023-04-08	NA	NA	AWAR KM 95.5	300-1000	0	0	0	0	0	50	0	0	0	0	0
2023-04-07	NA	NA	AWAR KM 93	300-1000	0	0	0	28	2	0	0	0	0	30	0
2023-04-14	NA	NA	AWAR KM 93	300-1000	0	0	0	93	0	0	0	0	0	93	0
2023-04-12	NA	NA	Haul Road KM 130	300-1000	0	0	0	34	0	0	0	0	0	0	0
2023-04-10	NA	NA	Haul Road KM 111	100-300	5	0	0	0	0	0	4	0	1	0	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	0	0	18	0	0	0	0	0	18	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	0	0	18	0	0	0	0	0	18	0
2023-04-14	NA	NA	Haul Road KM 118	300-1000	0	0	0	47	0	0	0	0	0	47	0
2023-04-14	NA	NA	Haul Road KM 112	300-1000	2	0	0	0	0	0	2	0	0	0	0
2023-04-14	NA	NA	Haul Road KM 112	>1000	0	4	6	0	0	0	1	2	5	2	0
2023-04-15	NA	NA	AWAR KM 101	300-1000	1	0	3	0	0	0	0	0	3	1	0
2023-04-12	NA	NA	AWAR KM 51	50-100	0	79	1	0	0	0	1	79	0	0	0
2023-04-09	NA	NA	Haul Road KM 122	>1000	0	0	0	10	0	0	0	0	0	10	0
2023-04-10	NA	NA	Haul Road KM 178	100-300	3	0	0	0	0	0	2	0	0	1	0
2023-04-10	NA	NA	Haul Road KM 175	>1000	37	0	0	12	0	0	42	0	0	3	0
2023-04-11	NA	NA	Haul Road KM 176	100-300	34	2	11	1	0	0	24	13	8	3	0
2023-04-11	NA	NA	Haul Road KM 178	300-1000	0	48	0	0	0	0	0	20	0	0	28
2023-04-14	NA	NA	Haul Road KM 176	300-1000	10	0	4	5	0	0	4	0	1	4	0
2023-04-14	NA	NA	Haul Road KM 174	300-1000	13	1	0	0	0	0	13	1	0	0	0
2023-04-14	NA	NA	Haul Road KM 165	>1000	0	0	1	0	0	0	0	0	0	0	0
2023-04-15	NA	NA	Haul Road KM 171	>1000	0	0	0	8	0	0	0	0	0	18	0
2023-04-16	NA	NA	AWAR KM 96	100-300	2	0	0	0	0	0	0	0	2	0	0
2023-04-16	NA	NA	AWAR KM 81	>1000	1	0	0	0	0	0	1	0	0	0	0
2023-04-18	NA	NA	Haul Road KM 177	300-1000	90	0	0	12	0	0	89	0	0	13	0
2023-04-17	NA	NA	Haul Road KM 154	300-1000	0	0	0	0	0	0	NA	NA	NA	NA	NA
2023-04-19	NA	NA	AWAR KM 95	100-300	0	0	0	2	0	0	0	0	0	2	0
2023-04-19	NA	NA	AWAR KM 93	>1000	0	0	1	0	0	0	0	0	0	1	0
2023-04-30	NA	NA	AWAR KM 68	>1000	0	0	0	2	0	0	0	0	0	2	0
2023-05-23	NA	NA	AWAR KM 83	>1000	0	0	0	2	0	0	0	0	0	2	0
2023-06-21	NA	NA	Meadowbank KM (NA)	50-100	0	3	1	0	0	0	0	3	1	0	0
2023-10-24	NA	NA	Haul Road KM 172	100-300	9	0	2	0	0	0	10	0	1	0	0
2023-10-22	NA	NA	Haul Road KM 116	100-300	0	0	5	2	0	0	6	0	0	0	0
2023-10-24	NA	NA	Haul Road KM 133	100-300	2	0	0	0	0	0	2	0	0	0	0
2023-10-27	NA	NA	Haul Road KM 173	100-300	12	0	0	0	0	0	3	0	0	3	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	3	17	0	0	0	0	2	18	0	0	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	18	2	5	0	0	0	21	4	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2023-03-30	NA	NA	Haul Road KM 169	300-1000	0	2	0	0	0	0	0	2	0	0	0
2023-04-08	NA	NA	AWAR KM 95.5	300-1000	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-07	NA	NA	AWAR KM 93	300-1000	0	0	0	0	30	0	0	0	0	3	27
2023-04-14	NA	NA	AWAR KM 93	300-1000	0	0	0	0	76	0	0	0	0	0	38
2023-04-12	NA	NA	Haul Road KM 130	300-1000	34	0	0	0	34	0	0	0	0	0	34
2023-04-10	NA	NA	Haul Road KM 111	100-300	0	2	0	0	3	0	0	3	0	0	2
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	0	0	0	18	0	0	0	0	0	18
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	0	0	0	18	0	0	0	0	0	18
2023-04-14	NA	NA	Haul Road KM 118	300-1000	0	0	0	0	47	0	0	0	0	0	47
2023-04-14	NA	NA	Haul Road KM 112	300-1000	0	2	0	0	0	0	0	2	0	0	0
2023-04-14	NA	NA	Haul Road KM 112	>1000	0	NA	NA	NA	NA	NA	NA	4	3	2	1
2023-04-15	NA	NA	AWAR KM 101	300-1000	0	4	0	0	0	0	0	4	0	0	0
2023-04-12	NA	NA	AWAR KM 51	50-100	0	2	78	0	0	0	0	1	79	0	0
2023-04-09	NA	NA	Haul Road KM 122	>1000	0	0	0	0	10	0	0	0	0	0	10
2023-04-10	NA	NA	Haul Road KM 178	100-300	0	3	0	0	0	0	0	3	0	0	0
2023-04-10	NA	NA	Haul Road KM 175	>1000	0	38	0	0	4	0	0	40	0	0	2
2023-04-11	NA	NA	Haul Road KM 176	100-300	0	28	18	1	1	0	0	22	20	6	0
2023-04-11	NA	NA	Haul Road KM 178	300-1000	0	8	37	3	0	0	0	1	46	1	0
2023-04-14	NA	NA	Haul Road KM 176	300-1000	0	0	0	0	8	0	0	0	0	0	4
2023-04-14	NA	NA	Haul Road KM 174	300-1000	0	12	1	0	1	0	0	11	1	0	0
2023-04-14	NA	NA	Haul Road KM 165	>1000	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-15	NA	NA	Haul Road KM 171	>1000	0	0	0	0	8	0	0	0	0	0	8
2023-04-16	NA	NA	AWAR KM 96	100-300	0	1	0	1	0	0	0	2	0	0	0
2023-04-16	NA	NA	AWAR KM 81	>1000	0	0	0	0	1	0	0	1	0	0	0
2023-04-18	NA	NA	Haul Road KM 177	300-1000	0	87	0	0	15	0	0	98	0	0	4
2023-04-17	NA	NA	Haul Road KM 154	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-19	NA	NA	AWAR KM 95	100-300	0	0	0	0	2	0	0	0	0	2	0
2023-04-19	NA	NA	AWAR KM 93	>1000	0	0	0	0	1	0	0	0	0	1	0
2023-04-30	NA	NA	AWAR KM 68	>1000	0	0	0	1	1	0	0	0	0	0	2
2023-05-23	NA	NA	AWAR KM 83	>1000	0	0	0	0	2	0	0	0	0	0	2
2023-06-21	NA	NA	Meadowbank KM (NA)	50-100	0	1	3	0	0	0	0	0	4	0	0
2023-10-24	NA	NA	Haul Road KM 172	100-300	0	8	0	4	2	0	0	14	0	1	0
2023-10-22	NA	NA	Haul Road KM 116	100-300	0	0	1	5	0	1	0	0	1	6	0
2023-10-24	NA	NA	Haul Road KM 133	100-300	0	0	0	0	2	0	0	2	0	0	0
2023-10-27	NA	NA	Haul Road KM 173	100-300	0	5	0	0	0	0	0	1	0	0	2
2023-10-27	NA	NA	Haul Road KM 171	100-300	0	3	16	1	0	0	0	2	18	0	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	0	14	11	0	0	0	0	14	11	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2023-03-30	NA	NA	Haul Road KM 169	300-1000	0	0	2	0	0	0	0	0	0	0	0
2023-04-08	NA	NA	AWAR KM 95.5	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-07	NA	NA	AWAR KM 93	300-1000	0	0	0	0	1	29	0	0	0	0	0
2023-04-14	NA	NA	AWAR KM 93	300-1000	0	0	0	0	0	21	0	0	0	0	0
2023-04-12	NA	NA	Haul Road KM 130	300-1000	0	0	0	0	0	34	0	0	0	0	0
2023-04-10	NA	NA	Haul Road KM 111	100-300	0	0	5	0	0	0	0	0	5	0	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	0	0	0	0	18	0	0	0	0	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	0	0	0	0	0	18	0	0	0	0	0
2023-04-14	NA	NA	Haul Road KM 118	300-1000	0	0	0	0	0	47	0	0	0	0	0
2023-04-14	NA	NA	Haul Road KM 112	300-1000	0	0	0	0	0	2	0	0	0	0	0
2023-04-14	NA	NA	Haul Road KM 112	>1000	0	0	4	6	0	0	0	0	2	0	0
2023-04-15	NA	NA	AWAR KM 101	300-1000	0	0	2	0	2	0	0	0	0	0	4
2023-04-12	NA	NA	AWAR KM 51	50-100	0	0	1	79	0	0	0	0	1	79	0
2023-04-09	NA	NA	Haul Road KM 122	>1000	0	0	0	0	0	8	0	2	0	0	0
2023-04-10	NA	NA	Haul Road KM 178	100-300	0	0	2	0	0	1	0	0	2	0	0
2023-04-10	NA	NA	Haul Road KM 175	>1000	0	0	37	1	0	4	0	0	35	0	0
2023-04-11	NA	NA	Haul Road KM 176	100-300	0	0	17	22	0	9	0	0	20	27	0
2023-04-11	NA	NA	Haul Road KM 178	300-1000	0	0	0	48	0	0	0	0	0	48	0
2023-04-14	NA	NA	Haul Road KM 176	300-1000	1	0	0	0	0	0	0	0	NA	NA	NA
2023-04-14	NA	NA	Haul Road KM 174	300-1000	0	0	10	1	0	0	0	0	7	1	2
2023-04-14	NA	NA	Haul Road KM 165	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-15	NA	NA	Haul Road KM 171	>1000	0	0	0	0	0	8	0	0	0	0	0
2023-04-16	NA	NA	AWAR KM 96	100-300	0	0	1	0	0	1	0	0	0	0	0
2023-04-16	NA	NA	AWAR KM 81	>1000	0	0	1	0	0	0	0	0	1	0	0
2023-04-18	NA	NA	Haul Road KM 177	300-1000	0	0	67	0	0	0	9	26	82	0	0
2023-04-17	NA	NA	Haul Road KM 154	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-19	NA	NA	AWAR KM 95	100-300	0	0	0	0	0	2	0	0	0	0	0
2023-04-19	NA	NA	AWAR KM 93	>1000	0	0	0	0	0	1	0	0	1	0	0
2023-04-30	NA	NA	AWAR KM 68	>1000	0	0	0	0	0	2	0	0	0	0	0
2023-05-23	NA	NA	AWAR KM 83	>1000	0	0	0	0	0	2	0	0	0	0	0
2023-06-21	NA	NA	Meadowbank KM (NA)	50-100	0	0	0	4	0	0	0	0	0	4	0
2023-10-24	NA	NA	Haul Road KM 172	100-300	0	0	6	0	0	9	0	0	15	0	0
2023-10-22	NA	NA	Haul Road KM 116	100-300	0	0	0	0	7	0	0	0	5	0	0
2023-10-24	NA	NA	Haul Road KM 133	100-300	0	0	2	0	0	0	0	0	2	0	0
2023-10-27	NA	NA	Haul Road KM 173	100-300	0	0	0	0	0	1	0	0	12	0	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	0	0	2	18	0	0	0	0	3	21	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	0	0	9	16	0	0	0	0	5	15	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2023-03-30	NA	NA	Haul Road KM 169	300-1000	2	0	0	0	0	0	2	0	0
2023-04-08	NA	NA	AWAR KM 95.5	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-07	NA	NA	AWAR KM 93	300-1000	30	0	0	0	0	0	30	0	0
2023-04-14	NA	NA	AWAR KM 93	300-1000	36	0	0	0	0	0	69	0	0
2023-04-12	NA	NA	Haul Road KM 130	300-1000	34	0	0	0	0	0	0	0	0
2023-04-10	NA	NA	Haul Road KM 111	100-300	0	0	0	5	0	0	0	0	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	18	0	0	0	0	0	18	0	0
2023-04-15	NA	NA	Haul Road KM 174	>1000	18	0	0	0	0	0	18	0	0
2023-04-14	NA	NA	Haul Road KM 118	300-1000	47	0	0	0	0	0	47	0	0
2023-04-14	NA	NA	Haul Road KM 112	300-1000	0	0	0	0	0	0	2	0	0
2023-04-14	NA	NA	Haul Road KM 112	>1000	8	0	0	0	0	0	10	0	0
2023-04-15	NA	NA	AWAR KM 101	300-1000	0	0	0	0	0	3	1	0	0
2023-04-12	NA	NA	AWAR KM 51	50-100	0	0	0	1	79	0	0	0	0
2023-04-09	NA	NA	Haul Road KM 122	>1000	10	0	0	0	0	0	10	0	0
2023-04-10	NA	NA	Haul Road KM 178	100-300	0	1	0	0	0	0	3	0	0
2023-04-10	NA	NA	Haul Road KM 175	>1000	5	0	0	36	0	0	1	0	0
2023-04-11	NA	NA	Haul Road KM 176	100-300	1	0	0	20	27	0	1	0	0
2023-04-11	NA	NA	Haul Road KM 178	300-1000	0	0	0	0	48	0	0	0	0
2023-04-14	NA	NA	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-14	NA	NA	Haul Road KM 174	300-1000	0	0	0	7	2	0	0	0	0
2023-04-14	NA	NA	Haul Road KM 165	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-15	NA	NA	Haul Road KM 171	>1000	8	0	0	0	0	0	8	0	0
2023-04-16	NA	NA	AWAR KM 96	100-300	2	0	0	2	0	0	0	0	0
2023-04-16	NA	NA	AWAR KM 81	>1000	0	0	0	0	0	0	1	0	0
2023-04-18	NA	NA	Haul Road KM 177	300-1000	10	0	0	72	0	0	20	0	0
2023-04-17	NA	NA	Haul Road KM 154	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-04-19	NA	NA	AWAR KM 95	100-300	2	0	0	0	0	0	2	0	0
2023-04-19	NA	NA	AWAR KM 93	>1000	0	0	0	0	0	0	1	0	0
2023-04-30	NA	NA	AWAR KM 68	>1000	2	0	0	0	0	0	2	0	0
2023-05-23	NA	NA	AWAR KM 83	>1000	2	0	0	0	0	0	2	0	0
2023-06-21	NA	NA	Meadowbank KM (NA)	50-100	0	0	0	2	2	0	0	0	0
2023-10-24	NA	NA	Haul Road KM 172	100-300	0	0	0	14	0	1	0	0	0
2023-10-22	NA	NA	Haul Road KM 116	100-300	0	0	2	7	0	0	0	0	0
2023-10-24	NA	NA	Haul Road KM 133	100-300	0	0	0	1	0	1	0	0	0
2023-10-27	NA	NA	Haul Road KM 173	100-300	0	0	0	18	0	0	5	0	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	0	0	5	2	18	5	0	0	0
2023-10-27	NA	NA	Haul Road KM 171	100-300	5	0	0	4	18	3	0	0	0

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2023-03-30	NA	NA	Haul Road KM 169	300-1000	NA	Heavy equipment	NA	Heavy equipment	NA	Heavy equipment
2023-04-08	NA	NA	AWAR KM 95.5	300-1000	NA	NA	NA	NA	Light truck	Light truck
2023-04-07	NA	NA	AWAR KM 93	300-1000	NA	NA	Light truck	NA	NA	NA
2023-04-14	NA	NA	AWAR KM 93	300-1000	NA	NA	NA	NA	NA	NA
2023-04-12	NA	NA	Haul Road KM 130	300-1000	NA	NA	NA	NA	Light truck	NA
2023-04-10	NA	NA	Haul Road KM 111	100-300	NA	NA	NA	NA	NA	NA
2023-04-15	NA	NA	Haul Road KM 174	>1000	NA	NA	NA	NA	NA	NA
2023-04-15	NA	NA	Haul Road KM 174	>1000	NA	NA	NA	NA	NA	NA
2023-04-14	NA	NA	Haul Road KM 118	300-1000	NA	NA	NA	NA	NA	NA
2023-04-14	NA	NA	Haul Road KM 112	300-1000	NA	NA	NA	NA	NA	NA
2023-04-14	NA	NA	Haul Road KM 112	>1000	NA	NA	NA	NA	NA	NA
2023-04-15	NA	NA	AWAR KM 101	300-1000	NA	NA	NA	NA	NA	NA
2023-04-12	NA	NA	AWAR KM 51	50-100	NA	NA	NA	NA	NA	NA
2023-04-09	NA	NA	Haul Road KM 122	>1000	NA	NA	NA	NA	NA	NA
2023-04-10	NA	NA	Haul Road KM 178	100-300	NA	NA	NA	NA	NA	NA
2023-04-10	NA	NA	Haul Road KM 175	>1000	NA	NA	NA	NA	NA	NA
2023-04-11	NA	NA	Haul Road KM 176	100-300	NA	NA	NA	NA	NA	NA
2023-04-11	NA	NA	Haul Road KM 178	300-1000	NA	NA	NA	NA	NA	NA
2023-04-14	NA	NA	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	NA
2023-04-14	NA	NA	Haul Road KM 174	300-1000	NA	NA	NA	NA	NA	NA
2023-04-14	NA	NA	Haul Road KM 165	>1000	NA	NA	NA	NA	Convoy	Convoy
2023-04-15	NA	NA	Haul Road KM 171	>1000	NA	NA	NA	NA	NA	NA
2023-04-16	NA	NA	AWAR KM 96	100-300	NA	NA	NA	NA	NA	NA
2023-04-16	NA	NA	AWAR KM 81	>1000	NA	NA	NA	NA	NA	NA
2023-04-18	NA	NA	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	NA
2023-04-17	NA	NA	Haul Road KM 154	300-1000	NA	NA	NA	NA	NA	NA
2023-04-19	NA	NA	AWAR KM 95	100-300	NA	NA	NA	NA	NA	NA
2023-04-19	NA	NA	AWAR KM 93	>1000	NA	NA	NA	NA	NA	NA
2023-04-30	NA	NA	AWAR KM 68	>1000	NA	Light truck	NA	NA	NA	NA
2023-05-23	NA	NA	AWAR KM 83	>1000	NA	NA	NA	NA	NA	NA
2023-06-21	NA	NA	Meadowbank KM (NA)	50-100	NA	Aircraft	NA	NA	NA	NA
2023-10-24	NA	NA	Haul Road KM 172	100-300	NA	NA	Heavy equipment	Heavy equipment	NA	Tanker
2023-10-22	NA	NA	Haul Road KM 116	100-300	Tanker	NA	NA	NA	Heavy equipment	Heavy equipment
2023-10-24	NA	NA	Haul Road KM 133	100-300	Heavy equipment	NA	NA	NA	NA	Light truck
2023-10-27	NA	NA	Haul Road KM 173	100-300	NA	NA	NA	NA	NA	NA
2023-10-27	NA	NA	Haul Road KM 171	100-300	NA	NA	NA	NA	NA	NA
2023-10-27	NA	NA	Haul Road KM 171	100-300	NA	NA	NA	NA	NA	NA

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2023-03-30	NA	NA	Haul Road KM 169	300-1000	Heavy equipment	NA	NA	NA	NA	2023	-96.5463	65.34369	Yes
2023-04-08	NA	NA	AWAR KM 95.5	300-1000	NA	NA	NA	NA	NA	2023	-96.1869	65.01471	No
2023-04-07	NA	NA	AWAR KM 93	300-1000	NA	NA	NA	NA	NA	2023	-96.6666	65.40149	No
2023-04-14	NA	NA	AWAR KM 93	300-1000	NA	NA	NA	NA	NA	2023	-96.6666	65.40149	No
2023-04-12	NA	NA	Haul Road KM 130	300-1000	NA	NA	NA	NA	NA	2023	-96.6666	65.40149	Yes
2023-04-10	NA	NA	Haul Road KM 111	100-300	Convoy	NA	NA	NA	NA	2023	-96.0301	65.04633	Yes
2023-04-15	NA	NA	Haul Road KM 174	>1000	NA	NA	NA	NA	NA	2023	-96.6024	65.37683	Yes
2023-04-15	NA	NA	Haul Road KM 174	>1000	NA	NA	NA	NA	NA	2023	-96.6026	65.3656	Yes
2023-04-14	NA	NA	Haul Road KM 118	300-1000	NA	NA	NA	NA	NA	2023	-96.6666	65.40149	Yes
2023-04-14	NA	NA	Haul Road KM 112	300-1000	NA	NA	NA	NA	NA	2023	-96.0206	65.08026	Yes
2023-04-14	NA	NA	Haul Road KM 112	>1000	NA	NA	NA	NA	NA	2023	-96.0206	65.08026	Yes
2023-04-15	NA	NA	AWAR KM 101	300-1000	NA	NA	NA	NA	NA	2023	-96.1435	65.05554	Yes
2023-04-12	NA	NA	AWAR KM 51	50-100	NA	NA	NA	NA	NA	2023	-96.3783	64.69147	Yes
2023-04-09	NA	NA	Haul Road KM 122	>1000	NA	NA	Convoy	NA	NA	2023	-96.0973	65.11499	Yes
2023-04-10	NA	NA	Haul Road KM 178	100-300	NA	NA	NA	Light truck	NA	2023	-96.6324	65.40478	No
2023-04-10	NA	NA	Haul Road KM 175	>1000	NA	NA	NA	NA	NA	2023	-96.6068	65.39319	Yes
2023-04-11	NA	NA	Haul Road KM 176	100-300	NA	NA	NA	NA	NA	2023	-96.6329	65.40411	No
2023-04-11	NA	NA	Haul Road KM 178	300-1000	NA	NA	NA	NA	NA	2023	-96.633	65.40411	Yes
2023-04-14	NA	NA	Haul Road KM 176	300-1000	NA	NA	NA	NA	NA	2023	-96.6208	65.40021	No
2023-04-14	NA	NA	Haul Road KM 174	300-1000	NA	NA	NA	NA	NA	2023	-96.6023	65.37716	No
2023-04-14	NA	NA	Haul Road KM 165	>1000	NA	NA	NA	NA	NA	2023	-96.4455	65.32178	No
2023-04-15	NA	NA	Haul Road KM 171	>1000	NA	NA	NA	NA	NA	2023	-96.0734	65.02124	No
2023-04-16	NA	NA	AWAR KM 96	100-300	NA	NA	NA	NA	NA	2023	-96.1864	65.01501	Yes
2023-04-16	NA	NA	AWAR KM 81	>1000	NA	NA	NA	NA	NA	2023	-96.3018	64.92462	No
2023-04-18	NA	NA	Haul Road KM 177	300-1000	NA	NA	NA	NA	NA	2023	-96.633	65.40411	No
2023-04-17	NA	NA	Haul Road KM 154	300-1000	NA	NA	NA	NA	NA	2023	-96.3219	64.84723	Yes
2023-04-19	NA	NA	AWAR KM 95	100-300	NA	NA	NA	NA	NA	2023	-96.0734	65.02124	No
2023-04-19	NA	NA	AWAR KM 93	>1000	NA	NA	NA	NA	NA	2023	-96.0734	65.02124	No
2023-04-30	NA	NA	AWAR KM 68	>1000	NA	NA	NA	NA	NA	2023	-96.3151	64.83319	No
2023-05-23	NA	NA	AWAR KM 83	>1000	NA	NA	NA	NA	Convoy	2023	-96.0923	65.03778	No
2023-06-21	NA	NA	Meadowbank KM (NA)	50-100	NA	NA	NA	NA	NA	2023	-96.0737	65.02118	No
2023-10-24	NA	NA	Haul Road KM 172	100-300	NA	NA	Tanker	Heavy equipment	NA	2023	-96.6	65.35797	No
2023-10-22	NA	NA	Haul Road KM 116	100-300	Heavy equipment	NA	NA	Heavy equipment	NA	2023	-96.6666	65.40143	Yes
2023-10-24	NA	NA	Haul Road KM 133	100-300	NA	NA	NA	NA	NA	2023	-96.6666	65.40137	No
2023-10-27	NA	NA	Haul Road KM 173	100-300	NA	NA	NA	NA	NA	2023	-96.6027	65.36505	Yes
2023-10-27	NA	NA	Haul Road KM 171	100-300	NA	NA	NA	NA	NA	2023	-96.5926	65.35596	No
2023-10-27	NA	NA	Haul Road KM 171	100-300	NA	NA	NA	NA	NA	2023	-96.5922	65.35596	No

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2023-10-28	NA	NA	AWAR KM 9	50-100	Brandon Ipkarnerk	NA	45	West	No	25	-7	15	NW	93
2023-10-28	NA	NA	AWAR KM 9	300-1000	Brandon Ipkarnerk	NA	280	West	No	20	7	15	NW	93
2023-10-31	NA	NA	AWAR KM 50	100-300	Brandon Ipkarnerk	NA	225	East	NA	100	11	40	NW	0
2023-11-02	NA	NA	AWAR KM 50	100-300	Brandon Ipkarnerk, Brendan Mannik	NA	70	East	No	6	11	50	NW	0
2023-11-02	NA	NA	AWAR KM 47	0-50	Brandon Ipkarnerk, Brendan Mannik	NA	45	East	No	4	11	50	NW	0
2023-10-29	NA	NA	Haul Road KM 154	300-1000	Eric Leonard	NA	335	East	No	8	-13	2	NE	92
2023-11-07	NA	NA	AWAR KM 60	100-300	Kelly Habib Brenden Mannik	NA	60	West	No	276	-8	15	NW	30
2023-11-06	NA	NA	AWAR KM 77	100-300	TD	NA	90	East	No	2	-17	20	NW	90
2023-11-09	NA	NA	AWAR KM 40	300-1000	Kelly Habib Brendan Mannik	NA	90	East	NA	100	-15	20	NW	30
2023-11-12	NA	NA	AWAR KM 64	300-1000	Derek	NA	285	West	No	100	-4	15	N	10
2023-11-08	NA	NA	AWAR KM 63	50-100	Brandon Ipkarnerk	NA	330	West	No	200	15	20	NW	75
2023-11-11	NA	NA	AWAR KM 8	300-1000	Renee Pudnak	NA	15	East	No	3	-12	20	NE	1
2023-11-11	NA	NA	AWAR KM 17	>1000	Renee Pudnak	NA	30	West	NA	600	-12	20	NE	1
2023-11-11	NA	NA	AWAR KM 60	300-1000	Renee Pudnak	NA	35	West	NA	27	-12	20	NE	1
2023-11-01	NA	NA	Haul Road KM 117	100-300	Kate Walker, Laurence Archambault, Felix Quessy S.	NA	80	East	No	1	-11	50	NW	83
2023-11-17	NA	NA	AWAR KM 93	>1000	Derek	NA	215	East	No	100	-14	30	N	40
2023-11-18	NA	NA	AWAR KM 55	>1000	Derek	NA	10	East	No	150	-20	30	NW	40
2023-12-06	NA	NA	AWAR KM 49	100-300	Brendan Mannik	NA	45	West	No	5	-12	20	E	50
2023-12-06	NA	NA	AWAR KM 19	>1000	Brendan Mannik	NA	90	West	No	2	-13	15	E	50
2023-12-01	NA	NA	AWAR KM 57	0-50	Brendan Mannik	NA	355	East	Yes	37	-18	0	N	0
2023-12-08	NA	NA	AWAR KM 17	>1000	Kelly Habib, Brendon Mannik	NA	270	West	No	13	-20	15	NW	50
2023-12-12	NA	NA	AWAR KM 56	300-1000	Kelly Habib, Brendon Mannik	NA	90	East	No	12	-27	15	NW	75
2023-12-16	NA	NA	AWAR KM 73	300-1000	Renee	NA	280	East	No	1	-28	50	NW	0
2023-12-17	NA	NA	AWAR KM 67	>1000	Renee Pudnak	NA	20	East	No	43	-24	30	W	0
2023-12-18	NA	NA	AWAR KM 65	300-1000	Renee Pudnak	NA	0	East	No	187	-24	15	W	1
2024-01-01	NA	NA	AWAR KM 53	300-1000	Kelly Habib	NA	270	West	No	70	-28	40	NW	50
2024-01-02	NA	NA	AWAR KM 68	300-1000	TD	NA	90	East	No	44	-20	50	NW	90
2024-01-04	NA	NA	AWAR KM 61	300-1000	Kelly Habib	NA	270	West	No	25	-34	30	NW	70
2024-01-06	NA	NA	AWAR KM 67	300-1000	Derek	NA	220	East	No	89	-27	50	NW	5
2024-01-11	NA	NA	AWAR KM 17	>1000	Renee Pudnak	NA	0	West	NA	43	-28	20	N	0
2024-02-10	NA	NA	AWAR KM 57	100-300	Derek	NA	295	Both	No	27	-26	15	E	50
2024-02-21	NA	NA	AWAR KM 97	100-300	Ella Stables, Thomas Dahm	NA	280	West	No	4	-35	20	NW	95
2024-03-09	NA	NA	AWAR KM 55	100-300	Derek	NA	290	West	No	12	-19	10	N	78
2024-04-06	NA	NA	Haul Road KM 139	50-100	Eric Leonard, JF DubÃ©	NA	180	West	No	22	-12	10	SE	95
2024-04-06	NA	NA	Haul Road KM 147	300-1000	Eric Leonard, JF DubÃ©	NA	225	West	No	9	-12	10	SE	95
2024-04-08	NA	NA	Haul Road KM 115	300-1000	Eric Leonard, JF DubÃ©	NA	270	West	No	45	-7	30	S	86
2024-04-11	NA	NA	Haul Road KM 139	300-1000	Laurence Archambault, Jean-FranÃ§ois DubÃ©	NA	33	West	No	56	-19	27	NW	83
2024-04-15	NA	NA	AWAR KM 102	100-300	Ella Stables	NA	180	East	No	12	-8	20	SE	90

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2023-10-28	NA	NA	AWAR KM 9	50-100	0	Precipitation: 0	200	800	NA
2023-10-28	NA	NA	AWAR KM 9	300-1000	0	Precipitation: 0	100	900	Bridge
2023-10-31	NA	NA	AWAR KM 50	100-300	1	Precipitation: 0	100	1000	0
2023-11-02	NA	NA	AWAR KM 50	100-300	1	Precipitation: 50	100	900	Barrel
2023-11-02	NA	NA	AWAR KM 47	0-50	1	Precipitation: 50	0	1000	Sea cans
2023-10-29	NA	NA	Haul Road KM 154	300-1000	0	Precipitation: Light snow, overcast	100	1000	None
2023-11-07	NA	NA	AWAR KM 60	100-300	1	Precipitation: 0	200	600	0
2023-11-06	NA	NA	AWAR KM 77	100-300	5	Precipitation: 0; no wind, sunny	500	1000	NA
2023-11-09	NA	NA	AWAR KM 40	300-1000	0	Precipitation: 0; overcast	100	500	None
2023-11-12	NA	NA	AWAR KM 64	300-1000	1	Precipitation: White out	200	1000	P
2023-11-08	NA	NA	AWAR KM 63	50-100	1	Precipitation: 0	100	1000	Emergency seaman
2023-11-11	NA	NA	AWAR KM 8	300-1000	1	Precipitation: 1; cold	300	300	No
2023-11-11	NA	NA	AWAR KM 17	>1000	1	Precipitation: 1; cold	300	200	0
2023-11-11	NA	NA	AWAR KM 60	300-1000	1	Precipitation: 1; cold	3000	200	0
2023-11-01	NA	NA	Haul Road KM 117	100-300	1	Precipitation: 0; foggy	0	2000	None
2023-11-17	NA	NA	AWAR KM 93	>1000	1	Precipitation: White out	200	1000	None
2023-11-18	NA	NA	AWAR KM 55	>1000	1	Precipitation: Clear	0	1200	None
2023-12-06	NA	NA	AWAR KM 49	100-300	1	Precipitation: Snow	100	500	NA
2023-12-06	NA	NA	AWAR KM 19	>1000	1	Precipitation: Snow	100	400	NA
2023-12-01	NA	NA	AWAR KM 57	0-50	1	Precipitation: 50; foggy	100	1000	0
2023-12-08	NA	NA	AWAR KM 17	>1000	1	Precipitation: 0; overcast	0	1000	None
2023-12-12	NA	NA	AWAR KM 56	300-1000	0	Precipitation: 0; sunny	0	1000	None
2023-12-16	NA	NA	AWAR KM 73	300-1000	2	Precipitation: 0	70000	200	0
2023-12-17	NA	NA	AWAR KM 67	>1000	3	Precipitation: 0	2000	200	0
2023-12-18	NA	NA	AWAR KM 65	300-1000	4	Precipitation: 1	500	200	0
2024-01-01	NA	NA	AWAR KM 53	300-1000	4	Precipitation: 0; sunny	100	1000	NA
2024-01-02	NA	NA	AWAR KM 68	300-1000	3	Precipitation: 0; windy	-1000	1000	0
2024-01-04	NA	NA	AWAR KM 61	300-1000	1	Precipitation: 0; sunny	100	2000	NA
2024-01-06	NA	NA	AWAR KM 67	300-1000	1	Precipitation: 0; clear	100	1200	None
2024-01-11	NA	NA	AWAR KM 17	>1000	0	Precipitation: 0	0	200	0
2024-02-10	NA	NA	AWAR KM 57	100-300	3	Precipitation: Cloudy	0	1200	Zero
2024-02-21	NA	NA	AWAR KM 97	100-300	2	Precipitation: 0 ; sunny	1000	1000	None
2024-03-09	NA	NA	AWAR KM 55	100-300	1	Precipitation: Foggy	0	1200	None
2024-04-06	NA	NA	Haul Road KM 139	50-100	2	Precipitation: 0; overcast	300	1600	0
2024-04-06	NA	NA	Haul Road KM 147	300-1000	2	Precipitation: 0; overcast	300	1600	None
2024-04-08	NA	NA	Haul Road KM 115	300-1000	4	Precipitation: 0; overcast	0	1600	None
2024-04-11	NA	NA	Haul Road KM 139	300-1000	0	Precipitation: 0; very foggy	300	2000	Bridge
2024-04-15	NA	NA	AWAR KM 102	100-300	0	Precipitation: Light snow, windy and overcast	5000	300	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2023-10-28	NA	NA	AWAR KM 9	50-100	23	0	2	0	0	0	0	0	0	0	0	0
2023-10-28	NA	NA	AWAR KM 9	300-1000	0	0	0	20	0	0	NA	NA	NA	NA	NA	NA
2023-10-31	NA	NA	AWAR KM 50	100-300	16	0	0	3	0	0	19	0	0	0	0	0
2023-11-02	NA	NA	AWAR KM 50	100-300	6	0	0	0	0	0	7	3	0	3	0	0
2023-11-02	NA	NA	AWAR KM 47	0-50	0	4	0	0	0	0	0	4	0	0	0	0
2023-10-29	NA	NA	Haul Road KM 154	300-1000	3	0	0	4	0	0	8	0	0	0	0	0
2023-11-07	NA	NA	AWAR KM 60	100-300	0	0	0	100	0	0	0	0	0	100	0	0
2023-11-06	NA	NA	AWAR KM 77	100-300	0	0	0	2	0	0	0	0	0	2	0	0
2023-11-09	NA	NA	AWAR KM 40	300-1000	100	0	0	0	0	0	100	0	0	0	0	0
2023-11-12	NA	NA	AWAR KM 64	300-1000	26	0	0	0	0	0	25	0	0	1	0	0
2023-11-08	NA	NA	AWAR KM 63	50-100	15	0	15	0	0	0	12	0	14	0	0	0
2023-11-11	NA	NA	AWAR KM 8	300-1000	3	0	3	0	3	0	3	0	3	0	3	0
2023-11-11	NA	NA	AWAR KM 17	>1000	100	0	100	100	100	0	0	0	100	100	100	100
2023-11-11	NA	NA	AWAR KM 60	300-1000	13	15	15	0	27	0	15	4	15	15	15	0
2023-11-01	NA	NA	Haul Road KM 117	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2023-11-17	NA	NA	AWAR KM 93	>1000	0	0	0	50	0	0	0	0	1	49	0	0
2023-11-18	NA	NA	AWAR KM 55	>1000	9	9	2	5	0	0	20	0	5	0	0	0
2023-12-06	NA	NA	AWAR KM 49	100-300	5	0	0	0	0	0	5	0	0	0	0	0
2023-12-06	NA	NA	AWAR KM 19	>1000	1	1	0	0	0	0	0	2	0	0	0	0
2023-12-01	NA	NA	AWAR KM 57	0-50	0	0	0	4	0	0	4	0	0	0	0	0
2023-12-08	NA	NA	AWAR KM 17	>1000	0	0	13	0	0	0	0	0	13	0	0	0
2023-12-12	NA	NA	AWAR KM 56	300-1000	12	0	0	0	0	0	9	0	0	3	0	0
2023-12-16	NA	NA	AWAR KM 73	300-1000	0	0	1	0	1	0	1	0	1	0	1	0
2023-12-17	NA	NA	AWAR KM 67	>1000	43	0	43	0	0	0	43	0	43	0	0	0
2023-12-18	NA	NA	AWAR KM 65	300-1000	187	0	187	0	0	0	187	0	187	0	0	0
2024-01-01	NA	NA	AWAR KM 53	300-1000	60	0	0	0	0	0	60	0	0	0	0	0
2024-01-02	NA	NA	AWAR KM 68	300-1000	35	9	0	0	0	0	39	9	0	0	0	0
2024-01-04	NA	NA	AWAR KM 61	300-1000	21	0	0	4	0	0	21	0	0	4	0	0
2024-01-06	NA	NA	AWAR KM 67	300-1000	27	0	0	0	0	0	17	0	5	5	0	0
2024-01-11	NA	NA	AWAR KM 17	>1000	0	0	43	43	0	0	0	0	0	43	0	0
2024-02-10	NA	NA	AWAR KM 57	100-300	19	6	2	0	0	0	8	10	2	7	0	0
2024-02-21	NA	NA	AWAR KM 97	100-300	2	2	0	0	0	0	2	2	0	0	0	0
2024-03-09	NA	NA	AWAR KM 55	100-300	9	2	0	1	0	0	8	2	2	0	0	0
2024-04-06	NA	NA	Haul Road KM 139	50-100	2	0	0	0	0	0	2	0	0	0	0	0
2024-04-06	NA	NA	Haul Road KM 147	300-1000	0	5	2	2	0	0	0	4	0	5	0	0
2024-04-08	NA	NA	Haul Road KM 115	300-1000	45	0	0	0	0	0	0	0	0	45	0	0
2024-04-11	NA	NA	Haul Road KM 139	300-1000	0	56	0	0	0	0	0	56	0	0	0	0
2024-04-15	NA	NA	AWAR KM 102	100-300	4	8	0	0	0	0	3	9	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2023-10-28	NA	NA	AWAR KM 9	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-28	NA	NA	AWAR KM 9	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-31	NA	NA	AWAR KM 50	100-300	19	0	0	0	0	0	19	0	0	0	0	0
2023-11-02	NA	NA	AWAR KM 50	100-300	8	0	0	5	0	0	0	0	0	13	0	0
2023-11-02	NA	NA	AWAR KM 47	0-50	0	4	0	0	0	0	0	3	0	1	0	0
2023-10-29	NA	NA	Haul Road KM 154	300-1000	0	0	0	1	0	0	0	0	1	5	0	0
2023-11-07	NA	NA	AWAR KM 60	100-300	0	0	0	100	0	0	0	0	0	100	0	0
2023-11-06	NA	NA	AWAR KM 77	100-300	0	0	0	2	0	0	2	0	0	0	0	0
2023-11-09	NA	NA	AWAR KM 40	300-1000	0	100	0	0	0	0	0	100	0	0	0	0
2023-11-12	NA	NA	AWAR KM 64	300-1000	0	0	0	26	0	0	0	0	0	25	0	1
2023-11-08	NA	NA	AWAR KM 63	50-100	14	0	14	2	0	0	15	0	15	3	0	0
2023-11-11	NA	NA	AWAR KM 8	300-1000	3	0	3	0	3	0	3	0	3	0	3	0
2023-11-11	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-11	NA	NA	AWAR KM 60	300-1000	0	0	27	27	27	0	NA	NA	NA	NA	NA	NA
2023-11-01	NA	NA	Haul Road KM 117	100-300	1	0	0	0	0	0	1	0	0	0	0	0
2023-11-17	NA	NA	AWAR KM 93	>1000	2	2	7	39	0	0	40	6	4	0	0	0
2023-11-18	NA	NA	AWAR KM 55	>1000	13	0	10	2	0	0	20	0	3	2	0	0
2023-12-06	NA	NA	AWAR KM 49	100-300	5	0	0	0	0	0	0	0	0	5	0	0
2023-12-06	NA	NA	AWAR KM 19	>1000	0	2	0	0	0	0	0	2	0	0	0	0
2023-12-01	NA	NA	AWAR KM 57	0-50	4	0	0	0	0	0	4	0	0	0	0	0
2023-12-08	NA	NA	AWAR KM 17	>1000	0	0	13	0	0	0	0	0	0	13	0	0
2023-12-12	NA	NA	AWAR KM 56	300-1000	9	0	0	3	0	0	9	0	0	3	0	0
2023-12-16	NA	NA	AWAR KM 73	300-1000	1	0	1	0	1	0	1	0	1	0	1	0
2023-12-17	NA	NA	AWAR KM 67	>1000	43	0	43	0	0	0	43	0	43	0	0	0
2023-12-18	NA	NA	AWAR KM 65	300-1000	187	0	187	0	0	0	187	0	187	0	0	0
2024-01-01	NA	NA	AWAR KM 53	300-1000	60	0	0	0	0	0	60	0	0	0	0	0
2024-01-02	NA	NA	AWAR KM 68	300-1000	35	9	0	0	0	0	30	12	0	2	0	0
2024-01-04	NA	NA	AWAR KM 61	300-1000	25	0	0	0	0	0	2	0	0	23	0	0
2024-01-06	NA	NA	AWAR KM 67	300-1000	5	0	5	5	13	0	25	0	0	0	0	2
2024-01-11	NA	NA	AWAR KM 17	>1000	0	0	0	43	0	0	0	0	0	43	0	0
2024-02-10	NA	NA	AWAR KM 57	100-300	9	10	3	0	0	0	14	8	4	1	0	0
2024-02-21	NA	NA	AWAR KM 97	100-300	1	3	0	0	0	0	1	3	0	0	0	0
2024-03-09	NA	NA	AWAR KM 55	100-300	7	2	3	0	0	0	10	2	0	0	0	0
2024-04-06	NA	NA	Haul Road KM 139	50-100	0	0	0	2	0	0	0	0	0	0	0	0
2024-04-06	NA	NA	Haul Road KM 147	300-1000	0	2	0	7	0	0	7	0	0	2	0	0
2024-04-08	NA	NA	Haul Road KM 115	300-1000	0	0	0	45	0	0	45	0	0	0	0	0
2024-04-11	NA	NA	Haul Road KM 139	300-1000	0	56	0	0	0	0	0	56	0	0	0	0
2024-04-15	NA	NA	AWAR KM 102	100-300	2	10	0	0	0	0	2	10	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2023-10-28	NA	NA	AWAR KM 9	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-28	NA	NA	AWAR KM 9	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-31	NA	NA	AWAR KM 50	100-300	19	0	0	0	0	0	NA	NA	NA	NA	NA
2023-11-02	NA	NA	AWAR KM 50	100-300	0	0	0	0	0	0	NA	NA	NA	NA	NA
2023-11-02	NA	NA	AWAR KM 47	0-50	0	3	0	1	0	0	0	3	0	1	0
2023-10-29	NA	NA	Haul Road KM 154	300-1000	6	0	0	0	0	0	NA	NA	NA	NA	NA
2023-11-07	NA	NA	AWAR KM 60	100-300	0	0	0	0	0	100	0	0	0	0	0
2023-11-06	NA	NA	AWAR KM 77	100-300	0	0	0	2	0	0	2	0	0	0	0
2023-11-09	NA	NA	AWAR KM 40	300-1000	0	100	0	0	0	0	0	100	0	0	0
2023-11-12	NA	NA	AWAR KM 64	300-1000	0	0	0	26	0	0	0	0	3	23	0
2023-11-08	NA	NA	AWAR KM 63	50-100	15	0	15	4	0	0	15	0	15	1	0
2023-11-11	NA	NA	AWAR KM 8	300-1000	3	0	3	0	3	0	0	0	3	3	3
2023-11-11	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-11	NA	NA	AWAR KM 60	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-01	NA	NA	Haul Road KM 117	100-300	1	0	0	0	0	0	1	0	0	0	0
2023-11-17	NA	NA	AWAR KM 93	>1000	40	6	4	0	0	0	45	5	0	0	0
2023-11-18	NA	NA	AWAR KM 55	>1000	25	0	0	0	0	0	5	0	3	17	0
2023-12-06	NA	NA	AWAR KM 49	100-300	0	0	0	5	0	0	0	0	5	0	0
2023-12-06	NA	NA	AWAR KM 19	>1000	0	2	0	0	0	0	0	2	0	0	0
2023-12-01	NA	NA	AWAR KM 57	0-50	3	0	0	1	0	0	4	0	0	0	0
2023-12-08	NA	NA	AWAR KM 17	>1000	0	0	0	13	0	0	0	0	0	13	0
2023-12-12	NA	NA	AWAR KM 56	300-1000	8	0	0	4	0	0	8	0	0	4	0
2023-12-16	NA	NA	AWAR KM 73	300-1000	1	0	1	0	1	0	1	0	1	0	1
2023-12-17	NA	NA	AWAR KM 67	>1000	43	0	43	0	0	0	43	0	43	0	0
2023-12-18	NA	NA	AWAR KM 65	300-1000	187	0	187	0	0	0	187	0	187	0	0
2024-01-01	NA	NA	AWAR KM 53	300-1000	60	0	0	0	0	0	60	0	0	0	0
2024-01-02	NA	NA	AWAR KM 68	300-1000	32	12	0	0	0	0	32	12	0	0	0
2024-01-04	NA	NA	AWAR KM 61	300-1000	0	0	0	25	0	0	25	0	0	0	0
2024-01-06	NA	NA	AWAR KM 67	300-1000	23	0	2	0	0	2	27	0	0	0	0
2024-01-11	NA	NA	AWAR KM 17	>1000	0	0	0	43	0	0	19	0	43	24	0
2024-02-10	NA	NA	AWAR KM 57	100-300	19	8	0	0	0	0	13	8	2	4	0
2024-02-21	NA	NA	AWAR KM 97	100-300	1	3	0	0	0	0	1	3	0	0	0
2024-03-09	NA	NA	AWAR KM 55	100-300	9	2	1	0	0	0	10	2	0	0	0
2024-04-06	NA	NA	Haul Road KM 139	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-04-06	NA	NA	Haul Road KM 147	300-1000	9	0	0	0	0	0	9	0	0	0	0
2024-04-08	NA	NA	Haul Road KM 115	300-1000	25	0	0	20	0	0	20	0	25	0	0
2024-04-11	NA	NA	Haul Road KM 139	300-1000	0	56	0	0	0	0	0	56	0	0	0
2024-04-15	NA	NA	AWAR KM 102	100-300	2	10	0	0	0	0	2	10	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2023-10-28	NA	NA	AWAR KM 9	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-28	NA	NA	AWAR KM 9	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-31	NA	NA	AWAR KM 50	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-02	NA	NA	AWAR KM 50	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-02	NA	NA	AWAR KM 47	0-50	0	0	0	0	4	0	0	NA	NA	NA	NA
2023-10-29	NA	NA	Haul Road KM 154	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-07	NA	NA	AWAR KM 60	100-300	100	0	0	0	100	0	0	0	0	0	100
2023-11-06	NA	NA	AWAR KM 77	100-300	0	2	0	0	0	0	0	0	0	0	2
2023-11-09	NA	NA	AWAR KM 40	300-1000	0	0	100	0	0	0	0	0	100	0	0
2023-11-12	NA	NA	AWAR KM 64	300-1000	0	0	0	0	26	0	0	NA	NA	NA	NA
2023-11-08	NA	NA	AWAR KM 63	50-100	0	15	0	15	6	0	0	15	0	15	2
2023-11-11	NA	NA	AWAR KM 8	300-1000	3	0	0	0	3	3	0	3	0	3	0
2023-11-11	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-11	NA	NA	AWAR KM 60	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-01	NA	NA	Haul Road KM 117	100-300	0	1	0	0	0	0	0	1	0	0	0
2023-11-17	NA	NA	AWAR KM 93	>1000	0	43	7	0	0	0	0	44	6	0	0
2023-11-18	NA	NA	AWAR KM 55	>1000	0	25	0	0	0	0	0	25	0	0	0
2023-12-06	NA	NA	AWAR KM 49	100-300	0	0	0	0	5	0	0	0	0	0	5
2023-12-06	NA	NA	AWAR KM 19	>1000	0	0	2	0	0	0	0	0	2	0	0
2023-12-01	NA	NA	AWAR KM 57	0-50	0	3	0	1	0	0	0	3	0	0	0
2023-12-08	NA	NA	AWAR KM 17	>1000	0	0	0	13	0	0	0	0	0	0	13
2023-12-12	NA	NA	AWAR KM 56	300-1000	0	5	0	0	7	0	0	0	0	0	12
2023-12-16	NA	NA	AWAR KM 73	300-1000	0	1	0	1	0	1	0	1	0	1	0
2023-12-17	NA	NA	AWAR KM 67	>1000	0	43	0	43	0	0	0	43	0	43	0
2023-12-18	NA	NA	AWAR KM 65	300-1000	0	187	0	187	0	0	0	187	0	187	0
2024-01-01	NA	NA	AWAR KM 53	300-1000	0	60	0	0	0	0	0	60	0	0	0
2024-01-02	NA	NA	AWAR KM 68	300-1000	0	32	12	0	0	0	0	32	12	0	0
2024-01-04	NA	NA	AWAR KM 61	300-1000	0	25	0	0	0	0	0	25	0	0	0
2024-01-06	NA	NA	AWAR KM 67	300-1000	0	24	0	0	0	0	3	0	0	0	0
2024-01-11	NA	NA	AWAR KM 17	>1000	0	13	0	43	30	0	0	0	0	0	43
2024-02-10	NA	NA	AWAR KM 57	100-300	0	19	8	0	0	0	0	12	8	2	5
2024-02-21	NA	NA	AWAR KM 97	100-300	0	1	3	0	0	0	0	0	4	0	0
2024-03-09	NA	NA	AWAR KM 55	100-300	0	8	2	1	1	0	0	10	2	0	0
2024-04-06	NA	NA	Haul Road KM 139	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-04-06	NA	NA	Haul Road KM 147	300-1000	0	9	0	0	0	0	0	9	0	0	0
2024-04-08	NA	NA	Haul Road KM 115	300-1000	0	0	0	0	0	0	45	15	0	0	0
2024-04-11	NA	NA	Haul Road KM 139	300-1000	0	0	56	0	0	0	0	0	56	0	0
2024-04-15	NA	NA	AWAR KM 102	100-300	0	2	10	0	0	0	0	2	10	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2023-10-28	NA	NA	AWAR KM 9	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-28	NA	NA	AWAR KM 9	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-31	NA	NA	AWAR KM 50	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-02	NA	NA	AWAR KM 50	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-02	NA	NA	AWAR KM 47	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-29	NA	NA	Haul Road KM 154	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-07	NA	NA	AWAR KM 60	100-300	0	0	0	0	0	100	0	0	0	0	0
2023-11-06	NA	NA	AWAR KM 77	100-300	0	0	0	0	0	2	0	0	0	0	0
2023-11-09	NA	NA	AWAR KM 40	300-1000	0	0	0	100	0	0	0	0	0	100	0
2023-11-12	NA	NA	AWAR KM 64	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-08	NA	NA	AWAR KM 63	50-100	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-11	NA	NA	AWAR KM 8	300-1000	3	0	3	0	3	0	3	0	3	0	3
2023-11-11	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-11	NA	NA	AWAR KM 60	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-01	NA	NA	Haul Road KM 117	100-300	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-17	NA	NA	AWAR KM 93	>1000	0	0	39	6	5	0	0	0	44	6	0
2023-11-18	NA	NA	AWAR KM 55	>1000	0	0	23	0	2	0	0	0	25	0	0
2023-12-06	NA	NA	AWAR KM 49	100-300	0	0	0	0	0	5	0	0	0	0	0
2023-12-06	NA	NA	AWAR KM 19	>1000	0	0	0	2	0	0	0	0	0	2	0
2023-12-01	NA	NA	AWAR KM 57	0-50	0	0	3	0	0	1	0	0	4	0	0
2023-12-08	NA	NA	AWAR KM 17	>1000	0	0	0	0	0	13	0	0	0	0	13
2023-12-12	NA	NA	AWAR KM 56	300-1000	0	0	0	0	0	12	0	0	0	0	0
2023-12-16	NA	NA	AWAR KM 73	300-1000	1	0	0	1	0	0	1	0	0	1	0
2023-12-17	NA	NA	AWAR KM 67	>1000	0	0	43	0	43	0	0	0	43	0	43
2023-12-18	NA	NA	AWAR KM 65	300-1000	0	0	187	0	187	0	0	0	187	0	187
2024-01-01	NA	NA	AWAR KM 53	300-1000	0	0	60	0	0	0	0	0	60	0	0
2024-01-02	NA	NA	AWAR KM 68	300-1000	0	0	32	12	0	0	0	0	32	12	0
2024-01-04	NA	NA	AWAR KM 61	300-1000	0	0	0	0	0	25	0	0	0	0	0
2024-01-06	NA	NA	AWAR KM 67	300-1000	0	0	27	0	0	0	0	0	26	0	0
2024-01-11	NA	NA	AWAR KM 17	>1000	0	0	0	0	0	43	0	0	NA	NA	NA
2024-02-10	NA	NA	AWAR KM 57	100-300	0	0	11	9	4	3	0	0	15	9	3
2024-02-21	NA	NA	AWAR KM 97	100-300	0	0	1	3	0	0	0	0	1	3	0
2024-03-09	NA	NA	AWAR KM 55	100-300	0	0	5	2	0	5	0	0	10	2	0
2024-04-06	NA	NA	Haul Road KM 139	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-04-06	NA	NA	Haul Road KM 147	300-1000	0	0	9	0	0	0	0	0	9	0	0
2024-04-08	NA	NA	Haul Road KM 115	300-1000	0	0	15	0	0	0	0	0	15	0	0
2024-04-11	NA	NA	Haul Road KM 139	300-1000	0	0	0	56	0	0	0	0	0	56	0
2024-04-15	NA	NA	AWAR KM 102	100-300	0	0	1	11	0	0	0	0	1	11	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2023-10-28	NA	NA	AWAR KM 9	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-28	NA	NA	AWAR KM 9	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-31	NA	NA	AWAR KM 50	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-02	NA	NA	AWAR KM 50	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-02	NA	NA	AWAR KM 47	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-10-29	NA	NA	Haul Road KM 154	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-07	NA	NA	AWAR KM 60	100-300	100	0	0	0	0	0	100	0	0
2023-11-06	NA	NA	AWAR KM 77	100-300	2	0	0	0	0	0	2	0	0
2023-11-09	NA	NA	AWAR KM 40	300-1000	0	0	0	0	100	0	0	0	0
2023-11-12	NA	NA	AWAR KM 64	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-08	NA	NA	AWAR KM 63	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-11	NA	NA	AWAR KM 8	300-1000	0	3	0	3	0	3	3	3	0
2023-11-11	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-11	NA	NA	AWAR KM 60	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-01	NA	NA	Haul Road KM 117	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2023-11-17	NA	NA	AWAR KM 93	>1000	0	0	0	43	7	0	0	0	0
2023-11-18	NA	NA	AWAR KM 55	>1000	0	0	0	20	0	1	4	0	0
2023-12-06	NA	NA	AWAR KM 49	100-300	5	0	0	0	0	0	5	0	0
2023-12-06	NA	NA	AWAR KM 19	>1000	0	0	0	0	0	0	0	0	0
2023-12-01	NA	NA	AWAR KM 57	0-50	0	0	0	4	0	0	0	0	0
2023-12-08	NA	NA	AWAR KM 17	>1000	0	0	0	0	0	0	13	0	0
2023-12-12	NA	NA	AWAR KM 56	300-1000	12	0	0	0	0	0	12	0	0
2023-12-16	NA	NA	AWAR KM 73	300-1000	0	1	0	0	1	0	0	1	0
2023-12-17	NA	NA	AWAR KM 67	>1000	0	0	0	43	0	43	0	0	0
2023-12-18	NA	NA	AWAR KM 65	300-1000	0	0	0	187	0	187	0	0	0
2024-01-01	NA	NA	AWAR KM 53	300-1000	0	0	0	60	0	0	0	0	0
2024-01-02	NA	NA	AWAR KM 68	300-1000	0	0	0	32	12	0	0	0	0
2024-01-04	NA	NA	AWAR KM 61	300-1000	25	0	0	25	0	0	0	0	0
2024-01-06	NA	NA	AWAR KM 67	300-1000	1	0	0	27	0	0	0	0	0
2024-01-11	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-02-10	NA	NA	AWAR KM 57	100-300	0	0	0	8	9	6	4	0	0
2024-02-21	NA	NA	AWAR KM 97	100-300	0	0	0	1	3	0	0	0	0
2024-03-09	NA	NA	AWAR KM 55	100-300	0	0	0	10	2	0	0	0	0
2024-04-06	NA	NA	Haul Road KM 139	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-04-06	NA	NA	Haul Road KM 147	300-1000	0	0	0	9	0	0	0	0	0
2024-04-08	NA	NA	Haul Road KM 115	300-1000	0	0	0	15	0	0	0	0	0
2024-04-11	NA	NA	Haul Road KM 139	300-1000	0	0	0	0	56	0	0	0	0
2024-04-15	NA	NA	AWAR KM 102	100-300	0	0	0	0	12	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2023-10-28	NA	NA	AWAR KM 9	50-100	Aircraft	NA	NA	NA	NA	NA
2023-10-28	NA	NA	AWAR KM 9	300-1000	NA	NA	NA	NA	NA	NA
2023-10-31	NA	NA	AWAR KM 50	100-300	NA	NA	NA	NA	NA	NA
2023-11-02	NA	NA	AWAR KM 50	100-300	NA	NA	NA	NA	NA	NA
2023-11-02	NA	NA	AWAR KM 47	0-50	NA	NA	NA	NA	NA	NA
2023-10-29	NA	NA	Haul Road KM 154	300-1000	NA	NA	NA	Heavy equipment	NA	NA
2023-11-07	NA	NA	AWAR KM 60	100-300	NA	NA	NA	NA	NA	NA
2023-11-06	NA	NA	AWAR KM 77	100-300	NA	NA	NA	NA	NA	NA
2023-11-09	NA	NA	AWAR KM 40	300-1000	NA	NA	NA	NA	NA	NA
2023-11-12	NA	NA	AWAR KM 64	300-1000	NA	NA	NA	NA	NA	NA
2023-11-08	NA	NA	AWAR KM 63	50-100	NA	NA	NA	NA	NA	NA
2023-11-11	NA	NA	AWAR KM 8	300-1000	NA	NA	NA	NA	NA	NA
2023-11-11	NA	NA	AWAR KM 17	>1000	Aircraft	Aircraft	NA	NA	NA	NA
2023-11-11	NA	NA	AWAR KM 60	300-1000	NA	NA	NA	NA	NA	NA
2023-11-01	NA	NA	Haul Road KM 117	100-300	Convoy	NA	Heavy equipment	NA	Heavy equipment	Light truck
2023-11-17	NA	NA	AWAR KM 93	>1000	NA	NA	NA	NA	NA	NA
2023-11-18	NA	NA	AWAR KM 55	>1000	NA	NA	NA	NA	NA	NA
2023-12-06	NA	NA	AWAR KM 49	100-300	NA	NA	NA	NA	NA	NA
2023-12-06	NA	NA	AWAR KM 19	>1000	NA	NA	NA	NA	NA	NA
2023-12-01	NA	NA	AWAR KM 57	0-50	NA	NA	NA	NA	NA	NA
2023-12-08	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	NA
2023-12-12	NA	NA	AWAR KM 56	300-1000	NA	NA	NA	NA	NA	NA
2023-12-16	NA	NA	AWAR KM 73	300-1000	NA	NA	NA	NA	NA	NA
2023-12-17	NA	NA	AWAR KM 67	>1000	NA	NA	NA	NA	NA	NA
2023-12-18	NA	NA	AWAR KM 65	300-1000	NA	NA	NA	NA	NA	NA
2024-01-01	NA	NA	AWAR KM 53	300-1000	NA	NA	NA	NA	NA	NA
2024-01-02	NA	NA	AWAR KM 68	300-1000	NA	NA	NA	NA	NA	NA
2024-01-04	NA	NA	AWAR KM 61	300-1000	NA	NA	NA	NA	NA	NA
2024-01-06	NA	NA	AWAR KM 67	300-1000	NA	NA	Tanker	NA	NA	NA
2024-01-11	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	NA
2024-02-10	NA	NA	AWAR KM 57	100-300	NA	NA	NA	NA	NA	NA
2024-02-21	NA	NA	AWAR KM 97	100-300	NA	NA	Tanker	NA	Maintenance vehicle	NA
2024-03-09	NA	NA	AWAR KM 55	100-300	NA	NA	NA	NA	NA	NA
2024-04-06	NA	NA	Haul Road KM 139	50-100	NA	Heavy equipment	NA	NA	NA	NA
2024-04-06	NA	NA	Haul Road KM 147	300-1000	Heavy equipment	NA	Heavy equipment	Heavy equipment	NA	NA
2024-04-08	NA	NA	Haul Road KM 115	300-1000	NA	NA	NA	NA	NA	NA
2024-04-11	NA	NA	Haul Road KM 139	300-1000	NA	NA	NA	NA	NA	NA
2024-04-15	NA	NA	AWAR KM 102	100-300	NA	NA	Convoy	NA	NA	NA

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2023-10-28	NA	NA	AWAR KM 9	50-100	NA	NA	NA	NA	NA	2023	-96.0737	65.02118	Yes
2023-10-28	NA	NA	AWAR KM 9	300-1000	NA	NA	NA	NA	NA	2023	-96.0149	64.38831	No
2023-10-31	NA	NA	AWAR KM 50	100-300	NA	NA	NA	NA	NA	2023	-96.3733	64.67999	No
2023-11-02	NA	NA	AWAR KM 50	100-300	NA	NA	NA	NA	NA	2023	-96.372	64.67627	No
2023-11-02	NA	NA	AWAR KM 47	0-50	NA	NA	NA	NA	NA	2023	-96.3344	64.65619	No
2023-10-29	NA	NA	Haul Road KM 154	300-1000	NA	NA	NA	NA	NA	2023	-96.6666	65.40143	Yes
2023-11-07	NA	NA	AWAR KM 60	100-300	NA	NA	NA	NA	NA	2023	-96.3709	64.74805	Yes
2023-11-06	NA	NA	AWAR KM 77	100-300	NA	NA	NA	NA	NA	2023	-96.3381	64.89557	No
2023-11-09	NA	NA	AWAR KM 40	300-1000	NA	NA	NA	NA	NA	2023	-96.2801	64.61932	No
2023-11-12	NA	NA	AWAR KM 64	300-1000	NA	NA	NA	NA	NA	2023	-96.3378	64.78827	Yes
2023-11-08	NA	NA	AWAR KM 63	50-100	NA	NA	NA	NA	NA	2023	-96.3471	64.76984	No
2023-11-11	NA	NA	AWAR KM 8	300-1000	NA	NA	NA	NA	NA	2023	-96.0158	64.38208	No
2023-11-11	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	2023	-96.0802	64.45459	No
2023-11-11	NA	NA	AWAR KM 60	300-1000	NA	NA	NA	NA	NA	2023	-96.362	64.75671	No
2023-11-01	NA	NA	Haul Road KM 117	100-300	NA	NA	NA	NA	NA	2023	-96.0322	65.08325	Yes
2023-11-17	NA	NA	AWAR KM 93	>1000	NA	NA	NA	NA	NA	2023	-96.2207	64.99854	Yes
2023-11-18	NA	NA	AWAR KM 55	>1000	NA	NA	NA	NA	NA	2023	-96.3419	64.72253	Yes
2023-12-06	NA	NA	AWAR KM 49	100-300	NA	NA	NA	NA	NA	2023	-96.3707	64.66748	No
2023-12-06	NA	NA	AWAR KM 19	>1000	NA	NA	NA	NA	NA	2023	-96.0852	64.46765	No
2023-12-01	NA	NA	AWAR KM 57	0-50	NA	NA	NA	NA	NA	2023	-96.358	64.72729	No
2023-12-08	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	2023	-96.0776	64.45355	Yes
2023-12-12	NA	NA	AWAR KM 56	300-1000	NA	NA	NA	NA	NA	2023	-96.3592	64.72797	Yes
2023-12-16	NA	NA	AWAR KM 73	300-1000	NA	NA	NA	NA	NA	2023	-96.3238	64.85175	No
2023-12-17	NA	NA	AWAR KM 67	>1000	NA	NA	NA	NA	NA	2023	-96.3248	64.8139	No
2023-12-18	NA	NA	AWAR KM 65	300-1000	NA	NA	NA	NA	NA	2023	-96.3368	64.78894	No
2024-01-01	NA	NA	AWAR KM 53	300-1000	NA	NA	NA	NA	NA	2024	-96.3731	64.70605	Yes
2024-01-02	NA	NA	AWAR KM 68	300-1000	NA	NA	NA	NA	NA	2024	-96.3265	64.82104	No
2024-01-04	NA	NA	AWAR KM 61	300-1000	NA	NA	NA	NA	NA	2024	-96.3539	64.76385	Yes
2024-01-06	NA	NA	AWAR KM 67	300-1000	NA	NA	NA	NA	NA	2024	-96.3247	64.81409	Yes
2024-01-11	NA	NA	AWAR KM 17	>1000	NA	NA	NA	NA	NA	2024	-96.0707	64.45087	No
2024-02-10	NA	NA	AWAR KM 57	100-300	NA	NA	NA	NA	NA	2024	-96.3582	64.72717	Yes
2024-02-21	NA	NA	AWAR KM 97	100-300	NA	NA	NA	Maintenance vehicle	NA	2024	-96.1676	65.0271	No
2024-03-09	NA	NA	AWAR KM 55	100-300	NA	NA	NA	NA	NA	2024	-96.3467	64.71832	Yes
2024-04-06	NA	NA	Haul Road KM 139	50-100	NA	NA	NA	NA	NA	2024	-96.2113	65.20966	No
2024-04-06	NA	NA	Haul Road KM 147	300-1000	Heavy equipment	NA	Heavy equipment	Heavy equipment	NA	2024	-96.4263	65.22235	Yes
2024-04-08	NA	NA	Haul Road KM 115	300-1000	NA	NA	NA	Heavy equipment	NA	2024	-96.0052	65.06836	Yes
2024-04-11	NA	NA	Haul Road KM 139	300-1000	NA	NA	NA	NA	NA	2024	-96.2819	65.22687	No
2024-04-15	NA	NA	AWAR KM 102	100-300	NA	Light truck	NA	NA	NA	2024	-96.1291	65.05353	Yes

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2024-04-16	NA	NA	AWAR KM 78	300-1000	Ella Stables	NA	250	West	No	11	-10	30	SE	90
2024-04-18	NA	NA	AWAR KM 97	100-300	Ella Stables	NA	300	East	No	3	-21	15	SE	0
2024-04-18	NA	NA	AWAR KM 93	>1000	Ella Stables	NA	180	West	No	97	-21	15	SE	0
2024-04-19	NA	NA	Amaruq KM (NA)	>1000	Laurence Archambault, Guillaume Baril	NA	260	West	NA	10	-9	9	N	81
2024-04-23	NA	NA	AWAR KM 56	100-300	Ella Stables	NA	0	East	No	2	-19	20	SW	0
2024-04-22	NA	NA	AWAR KM 54	100-300	Ella Stables	NA	90	West	No	2	-19	15	N	0
2024-04-22	NA	NA	AWAR KM 97	100-300	Jeffrey Pratt	NA	190	East	No	7	-19	15	N	85
2024-04-25	NA	NA	AWAR KM 36	100-300	Ella Stables	NA	270	West	No	2	-15	20	NW	0
2024-04-24	NA	NA	AWAR KM 37	100-300	JP	NA	90	East	No	2	-12	15	N	1
2024-04-22	NA	NA	Haul Road KM 123	300-1000	Thomas Dahm	NA	180	West	No	144	-17	15	NW	73
2024-04-22	NA	NA	Haul Road KM 121	300-1000	Thomas Dahm	NA	200	West	No	46	-17	15	NW	73
2024-04-23	NA	NA	AWAR KM 93	300-1000	Jeff Pratt, Thomas Dahm	NA	270	West	No	80	-17	20	SW	65
2024-04-25	NA	NA	Haul Road KM 123	50-100	Ella Stables	NA	300	West	Yes	2	-10	20	W	90
2024-04-19	NA	NA	AWAR KM 86	300-1000	Ella Stables	NA	180	West	No	55	-19	15	SW	88
2024-04-19	NA	NA	AWAR KM 86	300-1000	Ella Stables	NA	260	West	No	26	-19	15	SW	87
2024-04-19	NA	NA	AWAR KM 86	300-1000	Ella Stables	NA	300	West	No	6	-14	15	SW	88
2024-05-05	NA	NA	AWAR KM 100	300-1000	Derek	NA	200	West	No	42	4	30	E	60
2024-04-23	NA	NA	Haul Road KM 177	>1000	Laurence Archambault	NA	200	West	No	NA	-18	16	NW	81
2024-04-23	NA	NA	Haul Road KM 175	>1000	Laurence Archambault	NA	200	West	No	53	-13	16	NW	81
2024-05-09	NA	NA	AWAR KM 65	300-1000	Thomas Dahm	NA	230	West	No	2	0	5	NW	87
2024-05-12	NA	NA	AWAR KM 100	>1000	Ella Stables	NA	180	West	No	32	-4	20	W	0
2024-05-09	NA	NA	AWAR KM 74	300-1000	Thomas, Derek	NA	200	West	No	2	0	15	N	50
2024-05-08	NA	NA	AWAR KM 82	300-1000	Derek	NA	0	West	No	34	0	6	N	60
2024-05-09	NA	NA	AWAR KM 107	100-300	LJ, JC	NA	66	East	No	17	0	6	N	20
2024-06-25	NA	NA	Amaruq KM (NA)	100-300	Jeff Pratt	NA	350	West	No	3	10	11	NW	0
2024-07-05	NA	NA	Amaruq KM (NA)	0-50	Laurence Archambault, Nicholas Andreotte	NA	300	West	No	3	10	20	NE	96
2024-07-08	NA	NA	Amaruq KM (NA)	50-100	Laurence Archambault, Nicholas Andreotte	NA	180	West	No	2	13	25	NW	74
2024-05-09	NA	NA	Haul Road KM 177	100-300	LA EL	NA	260	West	NA	40	1	31	W	80
2024-07-26	NA	NA	Amaruq KM (NA)	0-50	GB, NA, JZ	NA	20	East	No	1	19	20	NE	37
2024-08-11	NA	NA	Amaruq KM (NA)	50-100	Laurence Archambault, Jeffrey Pratt	NA	25	East	NA	1	23	30	W	74
2024-09-30	NA	NA	Amaruq KM (NA)	100-300	Laurence Archambault, Nicholas Andreotte	NA	255	West	No	1	9	17	SE	100
2024-10-05	NA	NA	AWAR KM 19	>1000	Thomas Dahm	NA	90	East	No	38	0	30	NW	75
2024-10-15	NA	NA	AWAR KM 33	300-1000	Renee Pudnak	NA	5	East	NA	12	6	50	SW	10
2024-10-17	NA	NA	AWAR KM 76	300-1000	Jessica Crook	NA	165	Both	No	148	0	40	SW	100
2024-10-20	NA	NA	AWAR KM 59	100-300	Renee Pudnak	NA	10	East	No	41	-3	70	W	0
2024-10-22	NA	NA	AWAR KM 59	0-50	Jessica Crook	NA	25	West	NA	3	-9	5	NW	90
2024-10-27	NA	NA	AWAR KM 14	>1000	Thomas Dahm	NA	90	East	No	94	-8	8	W	67
2024-10-27	NA	NA	AWAR KM 13	>1000	Thomas Dahm	NA	135	West	Yes	100	-8	20	W	0
2024-10-28	NA	NA	AWAR KM 80	300-1000	Eric Leonard	NA	285	West	No	16	-2	20	S	89

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2024-04-16	NA	NA	AWAR KM 78	300-1000	0	Precipitation: Snowing in the mornng and early afternoon, just stopped approximately 1 h ago; strong winds, likely more than 30 km/h, probably closer to 40-50 km/h at least; a lot of blowing snow; visibility is only at maximum 1000 m	100	300	NA
2024-04-18	NA	NA	AWAR KM 97	100-300	1	Precipitation: 0; sunny, clear	100	500	NA
2024-04-18	NA	NA	AWAR KM 93	>1000	1	Precipitation: 0; sunny, clear	1500	500	NA
2024-04-19	NA	NA	Amaruq KM (NA)	>1000	0	Precipitation: Snow blow snow due to high wind, started around 17:30, making the visibility worse	0	2000	None
2024-04-23	NA	NA	AWAR KM 56	100-300	0	Precipitation: 0; light snow last night	100	600	NA
2024-04-22	NA	NA	AWAR KM 54	100-300	2	Precipitation: 0; sunny, clear	0	500	NA
2024-04-22	NA	NA	AWAR KM 97	100-300	3	Precipitation: No	100	500	None
2024-04-25	NA	NA	AWAR KM 36	100-300	0	Precipitation: Overcast and snow last night; overcast	0	600	NA
2024-04-24	NA	NA	AWAR KM 37	100-300	1	Precipitation: 0; overcast	100	500	None
2024-04-22	NA	NA	Haul Road KM 123	300-1000	2	Precipitation: 0; sunny, clear	200	1000	0
2024-04-22	NA	NA	Haul Road KM 121	300-1000	2	Precipitation: 0; sunny, clear	300	1000	0
2024-04-23	NA	NA	AWAR KM 93	300-1000	4	Precipitation: 0	200	1000	0
2024-04-25	NA	NA	Haul Road KM 123	50-100	0	Precipitation: 0; cloudy	1000	1000	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	Precipitation: 0; clear	0	700	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	Precipitation: 0; clear	0	700	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	Precipitation: 0; clear	0	700	0
2024-05-05	NA	NA	AWAR KM 100	300-1000	1	Precipitation: Sunny	200	1400	None
2024-04-23	NA	NA	Haul Road KM 177	>1000	0	Precipitation: 0; sunny, cloudy	100	2500	None
2024-04-23	NA	NA	Haul Road KM 175	>1000	0	Precipitation: 0; cloudy	100	2500	None
2024-05-09	NA	NA	AWAR KM 65	300-1000	7	Precipitation: 0; overcast	1000	1000	0
2024-05-12	NA	NA	AWAR KM 100	>1000	1	Precipitation: No precipitation, wind was 50 km/h yesterday; today clear skies and sunny	1500	1000	NA
2024-05-09	NA	NA	AWAR KM 74	300-1000	1	Precipitation: Cloudy	100	1600	None
2024-05-08	NA	NA	AWAR KM 82	300-1000	2	Precipitation: Cloudy	100	1500	None
2024-05-09	NA	NA	AWAR KM 107	100-300	4	Precipitation: 0; overcast with a drizzle	400	900	NA
2024-06-25	NA	NA	Amaruq KM (NA)	100-300	1	Precipitation: 0	100	800	NA
2024-07-05	NA	NA	Amaruq KM (NA)	0-50	0	Precipitation: 0; overcast	300	2500	0
2024-07-08	NA	NA	Amaruq KM (NA)	50-100	0	Precipitation: Light rain in AM	300	2500	None
2024-05-09	NA	NA	Haul Road KM 177	100-300	0	Precipitation: 0	300	2500	None
2024-07-26	NA	NA	Amaruq KM (NA)	0-50	0	Precipitation: 0; sunny	200	1000	NA
2024-08-11	NA	NA	Amaruq KM (NA)	50-100	0	Precipitation: 0; Smoky	100	1000	NA
2024-09-30	NA	NA	Amaruq KM (NA)	100-300	0	Precipitation: None	0	1000	WT WRSF
2024-10-05	NA	NA	AWAR KM 19	>1000	1	Precipitation: 0; clear, windy	500	1000	0
2024-10-15	NA	NA	AWAR KM 33	300-1000	2	Precipitation: Rain	100	200	NA
2024-10-17	NA	NA	AWAR KM 76	300-1000	4	Precipitation: 0; weather was sunny with some wind and high of 2°C	200	1000	0
2024-10-20	NA	NA	AWAR KM 59	100-300	1	Precipitation: Windy	100	200	0
2024-10-22	NA	NA	AWAR KM 59	0-50	2	Precipitation: Sunny, partly cloudy	0	1000	0
2024-10-27	NA	NA	AWAR KM 14	>1000	0	Precipitation: 0; overcast	1000	1500	0
2024-10-27	NA	NA	AWAR KM 13	>1000	0	Precipitation: 0; overcast	1000	1500	0
2024-10-28	NA	NA	AWAR KM 80	300-1000	0	Precipitation: 0; windy, overcast	0	1500	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2024-04-16	NA	NA	AWAR KM 78	300-1000	0	11	0	0	0	0	0	11	0	0	0	0
2024-04-18	NA	NA	AWAR KM 97	100-300	3	0	0	0	0	0	2	0	0	0	1	0
2024-04-18	NA	NA	AWAR KM 93	>1000	28	12	2	8	0	0	30	12	0	8	0	0
2024-04-19	NA	NA	Amaruq KM (NA)	>1000	10	0	0	0	0	0	10	0	0	0	0	0
2024-04-23	NA	NA	AWAR KM 56	100-300	2	0	0	0	0	0	1	0	0	1	0	0
2024-04-22	NA	NA	AWAR KM 54	100-300	2	0	0	0	0	0	1	0	0	1	0	0
2024-04-22	NA	NA	AWAR KM 97	100-300	7	0	0	0	0	0	6	0	0	0	0	0
2024-04-25	NA	NA	AWAR KM 36	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2024-04-24	NA	NA	AWAR KM 37	100-300	0	2	0	0	0	0	0	2	0	0	0	0
2024-04-22	NA	NA	Haul Road KM 123	300-1000	144	0	0	0	0	0	144	0	0	0	0	0
2024-04-22	NA	NA	Haul Road KM 121	300-1000	46	0	0	0	0	0	46	0	0	0	0	0
2024-04-23	NA	NA	AWAR KM 93	300-1000	0	8	0	72	0	0	81	5	0	24	0	0
2024-04-25	NA	NA	Haul Road KM 123	50-100	0	0	0	2	0	0	0	0	0	2	0	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	42	7	4	2	0	0	NA	NA	NA	NA	NA	NA
2024-04-19	NA	NA	AWAR KM 86	300-1000	10	0	5	11	0	0	12	0	2	12	0	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	0	0	6	0	0	0	0	0	6	0	0
2024-05-05	NA	NA	AWAR KM 100	300-1000	42	0	0	0	0	0	42	0	0	0	0	0
2024-04-23	NA	NA	Haul Road KM 177	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-04-23	NA	NA	Haul Road KM 175	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-05-09	NA	NA	AWAR KM 65	300-1000	2	0	0	0	0	0	2	0	0	0	0	0
2024-05-12	NA	NA	AWAR KM 100	>1000	7	15	0	10	0	0	7	15	2	8	0	0
2024-05-09	NA	NA	AWAR KM 74	300-1000	0	0	2	0	0	0	0	0	0	2	0	0
2024-05-08	NA	NA	AWAR KM 82	300-1000	0	0	0	34	0	0	8	0	3	23	0	0
2024-05-09	NA	NA	AWAR KM 107	100-300	3	14	0	0	0	0	1	16	0	0	0	0
2024-06-25	NA	NA	Amaruq KM (NA)	100-300	3	0	0	0	0	0	3	0	0	0	0	0
2024-07-05	NA	NA	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-07-08	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-05-09	NA	NA	Haul Road KM 177	100-300	40	0	0	0	0	0	40	0	0	0	0	0
2024-07-26	NA	NA	Amaruq KM (NA)	0-50	0	0	1	0	0	0	0	0	1	0	0	0
2024-08-11	NA	NA	Amaruq KM (NA)	50-100	0	0	0	0	0	1	NA	NA	NA	NA	NA	NA
2024-09-30	NA	NA	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-05	NA	NA	AWAR KM 19	>1000	13	0	0	25	0	0	38	0	0	0	0	0
2024-10-15	NA	NA	AWAR KM 33	300-1000	8	0	8	0	8	0	8	0	8	0	0	0
2024-10-17	NA	NA	AWAR KM 76	300-1000	33	20	20	16	0	0	40	10	29	10	0	0
2024-10-20	NA	NA	AWAR KM 59	100-300	0	33	0	0	0	0	0	33	0	0	0	0
2024-10-22	NA	NA	AWAR KM 59	0-50	1	0	0	1	0	0	NA	NA	NA	NA	NA	NA
2024-10-27	NA	NA	AWAR KM 14	>1000	75	10	9	0	0	0	85	5	4	0	0	0
2024-10-27	NA	NA	AWAR KM 13	>1000	0	0	0	100	0	0	0	0	0	100	0	0
2024-10-28	NA	NA	AWAR KM 80	300-1000	16	0	0	0	0	0	12	0	0	4	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2024-04-16	NA	NA	AWAR KM 78	300-1000	0	11	0	0	0	0	0	11	0	0	0	0
2024-04-18	NA	NA	AWAR KM 97	100-300	3	0	0	0	0	0	3	0	0	0	0	0
2024-04-18	NA	NA	AWAR KM 93	>1000	30	12	6	2	0	0	35	13	2	0	0	0
2024-04-19	NA	NA	Amaruq KM (NA)	>1000	0	0	0	0	0	0	0	0	0	0	0	0
2024-04-23	NA	NA	AWAR KM 56	100-300	1	0	0	1	0	0	NA	NA	NA	NA	NA	NA
2024-04-22	NA	NA	AWAR KM 54	100-300	2	0	0	0	0	0	1	0	0	1	0	0
2024-04-22	NA	NA	AWAR KM 97	100-300	6	0	0	0	0	0	2	4	0	0	0	0
2024-04-25	NA	NA	AWAR KM 36	100-300	2	0	0	0	0	0	2	0	0	0	0	0
2024-04-24	NA	NA	AWAR KM 37	100-300	0	2	0	0	0	0	0	2	0	0	0	0
2024-04-22	NA	NA	Haul Road KM 123	300-1000	131	0	0	13	0	0	124	0	0	20	0	0
2024-04-22	NA	NA	Haul Road KM 121	300-1000	46	0	0	0	0	0	46	0	0	0	0	0
2024-04-23	NA	NA	AWAR KM 93	300-1000	78	2	0	7	0	0	79	4	0	10	0	0
2024-04-25	NA	NA	Haul Road KM 123	50-100	2	0	0	0	0	0	0	0	0	2	0	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	37	5	1	12	0	0	39	5	1	10	0	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	7	0	0	13	0	0	5	0	0	13	0	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	0	0	4	0	0	0	0	0	3	0	0
2024-05-05	NA	NA	AWAR KM 100	300-1000	42	0	0	0	0	0	41	1	0	0	0	0
2024-04-23	NA	NA	Haul Road KM 177	>1000	10	0	0	0	0	0	10	0	0	0	0	0
2024-04-23	NA	NA	Haul Road KM 175	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-05-09	NA	NA	AWAR KM 65	300-1000	2	0	0	0	0	0	2	0	0	0	0	0
2024-05-12	NA	NA	AWAR KM 100	>1000	10	15	0	7	0	0	8	12	2	10	0	0
2024-05-09	NA	NA	AWAR KM 74	300-1000	0	0	2	0	0	0	0	0	0	2	0	0
2024-05-08	NA	NA	AWAR KM 82	300-1000	8	0	5	21	0	0	15	0	6	12	0	0
2024-05-09	NA	NA	AWAR KM 107	100-300	0	15	2	0	2	0	1	16	0	0	0	0
2024-06-25	NA	NA	Amaruq KM (NA)	100-300	3	0	0	0	0	0	0	0	0	0	0	0
2024-07-05	NA	NA	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-07-08	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-05-09	NA	NA	Haul Road KM 177	100-300	40	0	0	0	0	0	0	0	0	0	0	0
2024-07-26	NA	NA	Amaruq KM (NA)	0-50	0	0	1	0	0	0	0	0	1	0	0	0
2024-08-11	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-09-30	NA	NA	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-05	NA	NA	AWAR KM 19	>1000	38	0	0	39	0	0	43	0	0	34	0	0
2024-10-15	NA	NA	AWAR KM 33	300-1000	0	0	0	8	8	0	12	0	0	0	0	0
2024-10-17	NA	NA	AWAR KM 76	300-1000	25	0	20	29	15	0	54	0	20	15	0	0
2024-10-20	NA	NA	AWAR KM 59	100-300	0	33	0	0	0	0	0	33	0	0	0	0
2024-10-22	NA	NA	AWAR KM 59	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-27	NA	NA	AWAR KM 14	>1000	94	0	0	0	0	0	94	0	0	0	0	0
2024-10-27	NA	NA	AWAR KM 13	>1000	0	0	0	100	0	0	0	0	0	100	0	0
2024-10-28	NA	NA	AWAR KM 80	300-1000	12	0	4	0	0	0	12	0	4	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2024-04-16	NA	NA	AWAR KM 78	300-1000	0	11	0	0	0	0	0	11	0	0	0
2024-04-18	NA	NA	AWAR KM 97	100-300	2	0	1	0	0	0	3	0	0	0	0
2024-04-18	NA	NA	AWAR KM 93	>1000	35	13	2	0	0	0	33	17	0	0	0
2024-04-19	NA	NA	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-04-23	NA	NA	AWAR KM 56	100-300	2	0	0	0	0	0	2	0	0	0	0
2024-04-22	NA	NA	AWAR KM 54	100-300	2	0	0	0	0	0	1	0	0	1	0
2024-04-22	NA	NA	AWAR KM 97	100-300	1	4	0	1	0	0	2	4	0	0	0
2024-04-25	NA	NA	AWAR KM 36	100-300	2	0	0	0	0	0	2	0	0	0	0
2024-04-24	NA	NA	AWAR KM 37	100-300	0	2	0	0	0	0	0	2	0	0	0
2024-04-22	NA	NA	Haul Road KM 123	300-1000	112	0	0	32	0	0	80	0	0	64	0
2024-04-22	NA	NA	Haul Road KM 121	300-1000	46	0	0	0	0	0	30	0	0	16	0
2024-04-23	NA	NA	AWAR KM 93	300-1000	82	3	0	0	0	0	97	6	0	2	0
2024-04-25	NA	NA	Haul Road KM 123	50-100	0	0	0	2	0	0	0	0	0	2	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	30	4	6	15	0	0	36	4	8	7	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	3	0	0	12	0	0	2	0	0	9	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	0	0	1	0	0	0	0	0	0	0
2024-05-05	NA	NA	AWAR KM 100	300-1000	41	1	0	0	0	0	37	2	0	3	0
2024-04-23	NA	NA	Haul Road KM 177	>1000	10	0	0	0	0	0	5	0	0	5	0
2024-04-23	NA	NA	Haul Road KM 175	>1000	0	0	0	15	0	0	0	0	5	10	0
2024-05-09	NA	NA	AWAR KM 65	300-1000	2	0	0	0	0	0	2	0	0	0	0
2024-05-12	NA	NA	AWAR KM 100	>1000	8	12	0	12	0	0	5	12	0	15	0
2024-05-09	NA	NA	AWAR KM 74	300-1000	0	0	0	2	0	0	NA	NA	NA	NA	NA
2024-05-08	NA	NA	AWAR KM 82	300-1000	15	0	0	18	0	0	15	0	4	14	0
2024-05-09	NA	NA	AWAR KM 107	100-300	1	16	0	0	0	0	1	16	0	0	0
2024-06-25	NA	NA	Amaruq KM (NA)	100-300	0	0	0	0	0	0	0	0	0	2	0
2024-07-05	NA	NA	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-07-08	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-05-09	NA	NA	Haul Road KM 177	100-300	40	0	0	0	0	0	0	0	0	40	0
2024-07-26	NA	NA	Amaruq KM (NA)	0-50	0	0	1	0	0	0	0	0	1	0	0
2024-08-11	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-09-30	NA	NA	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-05	NA	NA	AWAR KM 19	>1000	33	0	0	44	0	0	17	0	0	60	0
2024-10-15	NA	NA	AWAR KM 33	300-1000	12	0	0	0	0	0	12	0	0	0	0
2024-10-17	NA	NA	AWAR KM 76	300-1000	54	0	20	15	0	0	70	0	14	5	0
2024-10-20	NA	NA	AWAR KM 59	100-300	0	33	0	0	0	0	0	33	0	0	0
2024-10-22	NA	NA	AWAR KM 59	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-27	NA	NA	AWAR KM 14	>1000	85	0	9	0	0	0	90	0	0	4	0
2024-10-27	NA	NA	AWAR KM 13	>1000	0	0	0	100	0	0	0	0	0	100	0
2024-10-28	NA	NA	AWAR KM 80	300-1000	12	2	2	0	0	0	15	1	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2024-04-16	NA	NA	AWAR KM 78	300-1000	0	0	11	0	0	0	0	0	9	2	0
2024-04-18	NA	NA	AWAR KM 97	100-300	0	3	0	0	0	0	0	3	0	0	0
2024-04-18	NA	NA	AWAR KM 93	>1000	0	33	17	0	0	0	0	29	17	0	4
2024-04-19	NA	NA	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-04-23	NA	NA	AWAR KM 56	100-300	0	2	0	0	0	0	0	2	0	0	0
2024-04-22	NA	NA	AWAR KM 54	100-300	0	0	0	0	0	0	0	1	0	0	1
2024-04-22	NA	NA	AWAR KM 97	100-300	0	2	4	0	0	0	0	2	4	0	0
2024-04-25	NA	NA	AWAR KM 36	100-300	0	NA	NA	NA	NA	NA	NA	2	0	0	0
2024-04-24	NA	NA	AWAR KM 37	100-300	0	0	2	0	0	0	0	0	2	0	0
2024-04-22	NA	NA	Haul Road KM 123	300-1000	0	43	0	0	101	0	0	3	0	0	141
2024-04-22	NA	NA	Haul Road KM 121	300-1000	0	15	0	0	31	0	0	9	0	0	37
2024-04-23	NA	NA	AWAR KM 93	300-1000	0	78	7	0	0	0	0	75	6	0	0
2024-04-25	NA	NA	Haul Road KM 123	50-100	0	0	0	0	2	0	0	0	0	0	2
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	31	2	12	10	0	0	17	1	12	25
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	0	0	0	8	0	0	0	0	0	5
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	0	0	0	0	0	0	0	0	0	0
2024-05-05	NA	NA	AWAR KM 100	300-1000	0	37	3	0	2	0	0	32	4	3	0
2024-04-23	NA	NA	Haul Road KM 177	>1000	0	3	0	0	7	0	0	5	0	0	5
2024-04-23	NA	NA	Haul Road KM 175	>1000	0	0	0	2	13	0	0	15	0	0	0
2024-05-09	NA	NA	AWAR KM 65	300-1000	0	2	0	0	0	0	0	2	0	0	0
2024-05-12	NA	NA	AWAR KM 100	>1000	0	3	12	0	14	0	0	3	12	0	10
2024-05-09	NA	NA	AWAR KM 74	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-05-08	NA	NA	AWAR KM 82	300-1000	0	16	0	0	17	0	0	18	0	0	15
2024-05-09	NA	NA	AWAR KM 107	100-300	0	2	15	0	0	0	0	2	15	0	0
2024-06-25	NA	NA	Amaruq KM (NA)	100-300	0	0	1	0	1	0	0	0	1	2	0
2024-07-05	NA	NA	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-07-08	NA	NA	Amaruq KM (NA)	50-100	NA	0	0	2	0	0	0	NA	NA	NA	NA
2024-05-09	NA	NA	Haul Road KM 177	100-300	0	5	0	0	15	0	0	0	0	0	0
2024-07-26	NA	NA	Amaruq KM (NA)	0-50	0	0	0	1	0	0	0	0	0	1	0
2024-08-11	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-09-30	NA	NA	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-05	NA	NA	AWAR KM 19	>1000	0	62	0	0	15	0	0	77	0	0	0
2024-10-15	NA	NA	AWAR KM 33	300-1000	0	12	0	0	0	0	0	0	0	0	12
2024-10-17	NA	NA	AWAR KM 76	300-1000	0	70	0	14	5	0	0	70	0	14	5
2024-10-20	NA	NA	AWAR KM 59	100-300	0	0	0	0	41	41	0	0	0	0	0
2024-10-22	NA	NA	AWAR KM 59	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-27	NA	NA	AWAR KM 14	>1000	0	80	0	0	14	0	0	84	0	0	10
2024-10-27	NA	NA	AWAR KM 13	>1000	0	0	0	0	100	0	0	0	0	0	100
2024-10-28	NA	NA	AWAR KM 80	300-1000	0	15	0	1	0	0	0	15	0	0	1

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2024-04-16	NA	NA	AWAR KM 78	300-1000	0	0	0	7	4	0	0	0	0	5	4
2024-04-18	NA	NA	AWAR KM 97	100-300	0	0	0	0	0	3	0	0	2	1	0
2024-04-18	NA	NA	AWAR KM 93	>1000	0	0	28	17	0	5	0	0	32	14	3
2024-04-19	NA	NA	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-04-23	NA	NA	AWAR KM 56	100-300	0	0	2	0	0	0	0	0	1	0	0
2024-04-22	NA	NA	AWAR KM 54	100-300	0	0	1	0	0	0	1	0	2	0	0
2024-04-22	NA	NA	AWAR KM 97	100-300	0	0	2	4	0	0	0	0	1	5	0
2024-04-25	NA	NA	AWAR KM 36	100-300	0	0	2	0	0	0	0	0	2	0	0
2024-04-24	NA	NA	AWAR KM 37	100-300	0	0	0	2	0	0	0	0	0	2	0
2024-04-22	NA	NA	Haul Road KM 123	300-1000	0	0	0	0	0	144	0	0	0	0	0
2024-04-22	NA	NA	Haul Road KM 121	300-1000	0	0	9	0	0	37	0	0	6	0	0
2024-04-23	NA	NA	AWAR KM 93	300-1000	0	0	87	14	0	2	0	0	76	8	0
2024-04-25	NA	NA	Haul Road KM 123	50-100	0	0	0	0	0	2	0	0	0	0	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	0	34	1	11	9	0	0	30	0	10
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	0	0	0	0	1	0	0	0	0	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	0	0	0	0	0	0	0	0	0	0
2024-05-05	NA	NA	AWAR KM 100	300-1000	3	0	28	4	6	4	0	0	35	3	1
2024-04-23	NA	NA	Haul Road KM 177	>1000	0	0	5	0	0	5	0	0	10	0	0
2024-04-23	NA	NA	Haul Road KM 175	>1000	0	0	15	0	0	0	0	0	15	0	0
2024-05-09	NA	NA	AWAR KM 65	300-1000	0	0	2	0	0	0	0	0	2	0	0
2024-05-12	NA	NA	AWAR KM 100	>1000	0	0	5	12	0	5	0	0	5	12	0
2024-05-09	NA	NA	AWAR KM 74	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-05-08	NA	NA	AWAR KM 82	300-1000	0	0	15	0	0	18	0	0	15	0	0
2024-05-09	NA	NA	AWAR KM 107	100-300	0	0	2	15	0	0	0	0	NA	NA	NA
2024-06-25	NA	NA	Amaruq KM (NA)	100-300	0	0	1	2	0	0	0	0	1	2	0
2024-07-05	NA	NA	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-07-08	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-05-09	NA	NA	Haul Road KM 177	100-300	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-07-26	NA	NA	Amaruq KM (NA)	0-50	0	0	0	0	1	0	0	0	0	0	1
2024-08-11	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-09-30	NA	NA	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-05	NA	NA	AWAR KM 19	>1000	0	0	63	0	0	14	0	0	77	0	0
2024-10-15	NA	NA	AWAR KM 33	300-1000	12	0	0	0	0	12	12	0	0	0	0
2024-10-17	NA	NA	AWAR KM 76	300-1000	0	0	70	0	14	5	0	0	70	0	14
2024-10-20	NA	NA	AWAR KM 59	100-300	41	41	0	0	0	41	41	0	0	0	0
2024-10-22	NA	NA	AWAR KM 59	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-27	NA	NA	AWAR KM 14	>1000	0	0	94	0	0	0	0	0	80	0	14
2024-10-27	NA	NA	AWAR KM 13	>1000	0	0	0	0	0	100	0	0	0	0	0
2024-10-28	NA	NA	AWAR KM 80	300-1000	0	0	15	0	0	1	0	0	13	0	1

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2024-04-16	NA	NA	AWAR KM 78	300-1000	2	0	0	0	0	2	9	0	0
2024-04-18	NA	NA	AWAR KM 97	100-300	0	0	0	1	2	0	0	0	0
2024-04-18	NA	NA	AWAR KM 93	>1000	1	0	0	35	11	3	1	0	0
2024-04-19	NA	NA	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-04-23	NA	NA	AWAR KM 56	100-300	1	0	0	0	0	0	2	0	0
2024-04-22	NA	NA	AWAR KM 54	100-300	0	0	0	2	0	0	0	0	0
2024-04-22	NA	NA	AWAR KM 97	100-300	0	0	0	1	5	0	0	0	0
2024-04-25	NA	NA	AWAR KM 36	100-300	0	0	0	2	0	0	0	0	0
2024-04-24	NA	NA	AWAR KM 37	100-300	0	0	0	0	2	0	0	0	0
2024-04-22	NA	NA	Haul Road KM 123	300-1000	144	0	0	0	0	0	144	0	0
2024-04-22	NA	NA	Haul Road KM 121	300-1000	40	0	0	6	0	0	40	0	0
2024-04-23	NA	NA	AWAR KM 93	300-1000	1	0	0	87	6	0	10	0	0
2024-04-25	NA	NA	Haul Road KM 123	50-100	2	0	0	0	0	0	2	0	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	15	0	0	31	0	5	19	0	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	0	0	0	0	0	0	0	0
2024-04-19	NA	NA	AWAR KM 86	300-1000	0	0	0	0	0	0	0	0	0
2024-05-05	NA	NA	AWAR KM 100	300-1000	3	0	0	38	4	0	0	0	0
2024-04-23	NA	NA	Haul Road KM 177	>1000	0	0	0	6	0	2	2	0	0
2024-04-23	NA	NA	Haul Road KM 175	>1000	0	0	0	15	0	0	0	0	0
2024-05-09	NA	NA	AWAR KM 65	300-1000	0	0	0	2	0	0	0	0	0
2024-05-12	NA	NA	AWAR KM 100	>1000	2	0	0	5	12	0	2	0	0
2024-05-09	NA	NA	AWAR KM 74	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-05-08	NA	NA	AWAR KM 82	300-1000	0	0	0	10	0	0	5	0	0
2024-05-09	NA	NA	AWAR KM 107	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-06-25	NA	NA	Amaruq KM (NA)	100-300	0	0	0	1	2	0	0	0	0
2024-07-05	NA	NA	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-07-08	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-05-09	NA	NA	Haul Road KM 177	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-07-26	NA	NA	Amaruq KM (NA)	0-50	0	0	0	0	0	1	0	0	0
2024-08-11	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-09-30	NA	NA	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-05	NA	NA	AWAR KM 19	>1000	0	0	0	77	0	0	0	0	0
2024-10-15	NA	NA	AWAR KM 33	300-1000	12	12	12	NA	NA	NA	NA	NA	NA
2024-10-17	NA	NA	AWAR KM 76	300-1000	5	0	0	0	0	0	20	5	64
2024-10-20	NA	NA	AWAR KM 59	100-300	41	41	0	NA	NA	NA	NA	NA	NA
2024-10-22	NA	NA	AWAR KM 59	0-50	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-10-27	NA	NA	AWAR KM 14	>1000	0	0	0	55	0	10	29	0	0
2024-10-27	NA	NA	AWAR KM 13	>1000	100	0	0	0	0	0	100	0	0
2024-10-28	NA	NA	AWAR KM 80	300-1000	2	0	0	14	0	0	0	2	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2024-04-16	NA	NA	AWAR KM 78	300-1000	NA	NA	NA	Maintenance vehicle	NA	NA
2024-04-18	NA	NA	AWAR KM 97	100-300	NA	Light truck	NA	NA	NA	NA
2024-04-18	NA	NA	AWAR KM 93	>1000	Light truck	NA	NA	NA	NA	NA
2024-04-19	NA	NA	Amaruq KM (NA)	>1000	Blast	NA	NA	NA	NA	NA
2024-04-23	NA	NA	AWAR KM 56	100-300	NA	NA	Tanker	Maintenance vehicle	NA	NA
2024-04-22	NA	NA	AWAR KM 54	100-300	NA	NA	Tanker	NA	NA	NA
2024-04-22	NA	NA	AWAR KM 97	100-300	NA	NA	NA	NA	NA	Tanker
2024-04-25	NA	NA	AWAR KM 36	100-300	NA	NA	NA	Light truck	NA	NA
2024-04-24	NA	NA	AWAR KM 37	100-300	NA	NA	NA	NA	Tanker	Convoy
2024-04-22	NA	NA	Haul Road KM 123	300-1000	NA	NA	NA	NA	NA	NA
2024-04-22	NA	NA	Haul Road KM 121	300-1000	NA	NA	NA	NA	NA	NA
2024-04-23	NA	NA	AWAR KM 93	300-1000	NA	NA	NA	NA	NA	NA
2024-04-25	NA	NA	Haul Road KM 123	50-100	NA	NA	NA	NA	NA	NA
2024-04-19	NA	NA	AWAR KM 86	300-1000	NA	NA	NA	NA	NA	NA
2024-04-19	NA	NA	AWAR KM 86	300-1000	NA	NA	NA	NA	Convoy	NA
2024-04-19	NA	NA	AWAR KM 86	300-1000	NA	NA	NA	NA	NA	NA
2024-05-05	NA	NA	AWAR KM 100	300-1000	NA	NA	NA	NA	NA	NA
2024-04-23	NA	NA	Haul Road KM 177	>1000	NA	NA	NA	Convoy	NA	NA
2024-04-23	NA	NA	Haul Road KM 175	>1000	NA	NA	Convoy	NA	NA	NA
2024-05-09	NA	NA	AWAR KM 65	300-1000	NA	NA	NA	NA	NA	NA
2024-05-12	NA	NA	AWAR KM 100	>1000	NA	NA	NA	NA	NA	NA
2024-05-09	NA	NA	AWAR KM 74	300-1000	NA	NA	NA	NA	NA	NA
2024-05-08	NA	NA	AWAR KM 82	300-1000	NA	NA	NA	NA	NA	NA
2024-05-09	NA	NA	AWAR KM 107	100-300	NA	NA	NA	NA	NA	NA
2024-06-25	NA	NA	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA
2024-07-05	NA	NA	Amaruq KM (NA)	0-50	NA	NA	NA	NA	NA	Blast
2024-07-08	NA	NA	Amaruq KM (NA)	50-100	NA	Heavy equipment	NA	NA	NA	NA
2024-05-09	NA	NA	Haul Road KM 177	100-300	NA	NA	NA	NA	NA	NA
2024-07-26	NA	NA	Amaruq KM (NA)	0-50	Convoy	NA	NA	NA	NA	NA
2024-08-11	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	NA
2024-09-30	NA	NA	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	NA
2024-10-05	NA	NA	AWAR KM 19	>1000	NA	NA	NA	NA	NA	NA
2024-10-15	NA	NA	AWAR KM 33	300-1000	NA	NA	NA	NA	NA	NA
2024-10-17	NA	NA	AWAR KM 76	300-1000	NA	NA	NA	NA	NA	NA
2024-10-20	NA	NA	AWAR KM 59	100-300	NA	NA	NA	NA	NA	NA
2024-10-22	NA	NA	AWAR KM 59	0-50	NA	Convoy	NA	NA	NA	NA
2024-10-27	NA	NA	AWAR KM 14	>1000	NA	NA	NA	NA	NA	NA
2024-10-27	NA	NA	AWAR KM 13	>1000	NA	NA	NA	NA	NA	NA
2024-10-28	NA	NA	AWAR KM 80	300-1000	NA	NA	NA	NA	NA	NA

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2024-04-16	NA	NA	AWAR KM 78	300-1000	NA	Maintenance vehicle	NA	Maintenance vehicle	NA	2024	-96.3264	64.90192	Yes
2024-04-18	NA	NA	AWAR KM 97	100-300	NA	NA	NA	NA	NA	2024	-96.1687	65.02673	No
2024-04-18	NA	NA	AWAR KM 93	>1000	NA	NA	NA	NA	NA	2024	-96.2229	65.00238	No
2024-04-19	NA	NA	Amaruq KM (NA)	>1000	NA	NA	NA	NA	NA	2024	-96.6659	65.4021	Yes
2024-04-23	NA	NA	AWAR KM 56	100-300	NA	Light truck	NA	Light truck	NA	2024	-96.36	64.73151	No
2024-04-22	NA	NA	AWAR KM 54	100-300	NA	NA	NA	NA	Heavy equipment	2024	-96.3503	64.71716	No
2024-04-22	NA	NA	AWAR KM 97	100-300	NA	NA	NA	NA	NA	2024	-96.0702	65.02185	No
2024-04-25	NA	NA	AWAR KM 36	100-300	NA	NA	NA	NA	NA	2024	-96.2614	64.58002	No
2024-04-24	NA	NA	AWAR KM 37	100-300	NA	NA	NA	NA	NA	2024	-96.07	65.02179	No
2024-04-22	NA	NA	Haul Road KM 123	300-1000	NA	NA	NA	NA	NA	2024	-96.07	65.02185	No
2024-04-22	NA	NA	Haul Road KM 121	300-1000	NA	NA	NA	NA	NA	2024	-96.0702	65.02179	No
2024-04-23	NA	NA	AWAR KM 93	300-1000	NA	NA	NA	NA	NA	2024	-96.0703	65.02185	No
2024-04-25	NA	NA	Haul Road KM 123	50-100	NA	NA	NA	NA	NA	2024	-96.0702	65.02185	No
2024-04-19	NA	NA	AWAR KM 86	300-1000	NA	NA	NA	NA	NA	2024	-96.0702	65.02185	No
2024-04-19	NA	NA	AWAR KM 86	300-1000	NA	NA	NA	NA	NA	2024	-96.0703	65.02173	Yes
2024-04-19	NA	NA	AWAR KM 86	300-1000	NA	NA	NA	NA	NA	2024	-96.0703	65.02179	Yes
2024-05-05	NA	NA	AWAR KM 100	300-1000	NA	NA	NA	NA	NA	2024	-96.0706	65.02185	Yes
2024-04-23	NA	NA	Haul Road KM 177	>1000	Convoy	NA	NA	NA	NA	2024	-96.6329	65.40399	No
2024-04-23	NA	NA	Haul Road KM 175	>1000	NA	NA	NA	NA	NA	2024	-96.6332	65.40393	No
2024-05-09	NA	NA	AWAR KM 65	300-1000	NA	NA	NA	NA	NA	2024	-96.3384	64.79083	No
2024-05-12	NA	NA	AWAR KM 100	>1000	NA	NA	NA	NA	NA	2024	-96.1443	65.05518	Yes
2024-05-09	NA	NA	AWAR KM 74	300-1000	NA	NA	NA	NA	NA	2024	-96.3282	64.87384	Yes
2024-05-08	NA	NA	AWAR KM 82	300-1000	NA	NA	NA	NA	NA	2024	-96.3057	64.93494	Yes
2024-05-09	NA	NA	AWAR KM 107	100-300	NA	NA	NA	NA	Convoy	2024	-96.0635	65.01917	No
2024-06-25	NA	NA	Amaruq KM (NA)	100-300	NA	NA	NA	NA	NA	2024	-96.6915	65.41681	No
2024-07-05	NA	NA	Amaruq KM (NA)	0-50	Blast	Convoy	Light truck	NA	Heavy equipment	2024	-96.6865	65.41437	Yes
2024-07-08	NA	NA	Amaruq KM (NA)	50-100	NA	Blast	NA	NA	NA	2024	-96.6822	65.41425	Yes
2024-05-09	NA	NA	Haul Road KM 177	100-300	NA	NA	NA	NA	NA	2024	-96.0701	65.02185	No
2024-07-26	NA	NA	Amaruq KM (NA)	0-50	NA	NA	NA	NA	Convoy	2024	-96.7096	65.39965	No
2024-08-11	NA	NA	Amaruq KM (NA)	50-100	NA	NA	NA	NA	NA	2024	-96.6697	65.40253	No
2024-09-30	NA	NA	Amaruq KM (NA)	100-300	NA	NA	NA	Blast	NA	2024	-96.7379	65.4049	No
2024-10-05	NA	NA	AWAR KM 19	>1000	Tanker	NA	NA	NA	NA	2024	-96.0845	64.46588	No
2024-10-15	NA	NA	AWAR KM 33	300-1000	NA	NA	NA	Tanker	NA	2024	-96.2345	64.56732	Yes
2024-10-17	NA	NA	AWAR KM 76	300-1000	NA	NA	NA	NA	Convoy	2024	-96.0701	65.02185	Yes
2024-10-20	NA	NA	AWAR KM 59	100-300	NA	NA	Aircraft	NA	Aircraft	2024	-96.3709	64.74805	Yes
2024-10-22	NA	NA	AWAR KM 59	0-50	NA	NA	NA	NA	NA	2024	-96.3652	64.75421	Yes
2024-10-27	NA	NA	AWAR KM 14	>1000	NA	NA	NA	NA	NA	2024	-96.0476	64.43622	No
2024-10-27	NA	NA	AWAR KM 13	>1000	NA	NA	NA	NA	NA	2024	-96.0399	64.42786	No
2024-10-28	NA	NA	AWAR KM 80	300-1000	NA	NA	NA	NA	NA	2024	-96.2916	64.93353	Yes

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
2024-10-31	NA	NA	AWAR KM 33	300-1000	Thomas Dahm	NA	45	East	No	13	-6	40	NW	0
2024-11-01	NA	NA	AWAR KM 9	>1000	Thomas Dahm	NA	65	East	No	7	-6	40	NW	0
2024-11-01	NA	NA	AWAR KM 13	300-1000	Thomas Dahm	NA	75	East	No	2	-6	40	NW	0
2024-11-04	NA	NA	AWAR KM 32	300-1000	FQS	NA	0	Both	Yes	NA	-6	30	NW	0
2024-11-05	NA	NA	AWAR KM 80	>1000	Thomas Dahm	NA	345	East	No	1	-8	40	NW	0
2024-11-08	NA	NA	AWAR KM 32	300-1000	CO FQS	NA	0	East	NA	14	-14	30	S	0
2024-11-22	NA	NA	AWAR KM 58	300-1000	Eric Leonard	NA	350	East	No	79	-15	30	N	98
2024-11-24	NA	NA	AWAR KM 61	300-1000	Thomas Dahm	NA	110	East	No	1	-18	40	NW	0
2024-11-27	NA	NA	AWAR KM 49	>1000	Thomas Dahm, Cedric Ookowt	NA	120	East	No	47	-18	49	NW	0
2024-11-28	NA	NA	Haul Road KM 173	50-100	FQS	NA	0	East	No	14	-22	30	NW	0
2024-11-28	NA	NA	Haul Road KM 168	100-300	FQS	NA	0	East	No	16	-22	30	NW	0
2024-11-28	NA	NA	Haul Road KM 133	>1000	Cedric Ookowt, Thomas Dahm	NA	40	East	No	148	-24	20	NW	0
2024-11-29	NA	NA	AWAR KM 79	300-1000	Cedric Ookowt, Thomas Dahm	NA	85	East	No	54	-26	20	N	0
2024-10-26	NA	NA	AWAR KM 6	>1000	Eric L.	NA	155	East	No	55	-8	30	N	89
2024-12-11	NA	NA	AWAR KM 80	>1000	Renee Pudnak	NA	5	East	No	32	-27	50	NW	0
2024-12-14	NA	NA	AWAR KM 89	300-1000	RP	NA	5	East	No	20	-23	20	NW	0
2024-12-17	NA	NA	AWAR KM 68	>1000	Eric Leonard	NA	90	East	No	27	-24	40	NW	100
2024-12-23	NA	NA	AWAR KM 23	100-300	Cedric Ookowt	NA	180	West	No	1	-24	20	SE	0
3/3/2025	13:49	15:15		100-300 m	RP FQS	NA	W	East	No	2	-20	NW	25	0
4/5/2025	8:17	9:08	Haul Road KM 160	1-1.5 km	Nicholas A., Renee P.	NA	N	West	No	64	-15	NW	40	0
4/5/2025	9:55	10:23	Haul Road KM 134	300 m-1 km	RP NA	NA	N,E	West	No	6	-15	NW	40	0
4/8/2025	9:01	9:31	AWAR KM 94	300 m-1 km	Robert Chamberland	NA	NA	West	No	142	-18	SE	40	0
4/10/2025	13:02	13:32	AWAR KM 98	100-300 m	Robert Chamberland, Cedric Ookowt	NA	S	West	No	8	-8	SE	15	0
4/10/2025	13:40	14:13	AWAR KM 101	300 m-1 km	RC	NA	N	West	No	43	-6	SE	15	0
4/9/2025	16:36	17:11	AWAR KM 94	300 m-1 km	RC, EL	NA	NA	West	No	33	-10	SE	30	0
4/9/2025	15:47	16:23	AWAR KM 94	1-1.5 km	RC	NA	NA	West	No	210	-10	SE	30	0
4/11/2025	13:26	14:00	AWAR KM 57	>1.5 km	Thomas Dahm, Robert Chamberland, Jasmine Iqqaat	NA	NA	West	No	28	-7	N	20	0
4/12/2025	9:21	9:58	Haul Road KM 135	300 m-1 km	Eric Leonard	NA	NA	West	No	61	-11	SE	10	10
4/14/2025	10:00	11:30	Haul Road KM 111	300 m-1 km	Eric Leonard	NA	W	West	Yes	15	-18	N	20	68
4/14/2025	11:07	11:30	AWAR KM 65	>1.5 km	Thomas Dahm	NA	S	West	No	2	-18	NW	20	0
4/15/2025	13:47	14:19	AWAR KM 88	1-1.5 km	Eric Leonard	NA	N	West	No	29	-16	NW	20	70
4/22/2025	14:03	14:42	AWAR KM 77	300 m-1 km	Cedric Ookowt	NA	N	West	No	64	-5	SE	30	10
4/22/2025	11:47	12:00	Haul Road KM 160	300 m-1 km	Laurence Archambault, Sarah S.	NA	N	West	No	8	-8	SE	40	80
4/22/2025	0:45	13:15	AWAR KM 95	1-1.5 km	Thomas Dahm	NA	NA	West	No	105	-16	SW	50	0
4/23/2025	16:08	16:28	Haul Road KM 169	300 m-1 km	NA SS	NA	N	West	No	24	-5	SE	18	80
4/27/2025	8:17	8:53	Haul Road KM 176	1-1.5 km	SS	NA	NA	West	No	271	-11	NW	18	85
4/28/2025	16:12	16:31	Haul Road KM 162	100-300 m	SS	NA	E	Both	Yes	145	-11	NW	18	60
4/29/2025	8:55	9:30	AWAR KM 89	300 m-1 km	RC	NA	E	Both	Yes	879	-18	W	20	0
5/2/2025	8:50	8:50	AWAR KM 93	100-300 m	RC	NA	NA	West		1	-13	NW	20	0
5/6/2025	11:44	12:28	Haul Road KM 112	300 m-1 km	John Noble	NA	NA	West	No	101-200	-11	N	50	80
5/6/2025	10:35	10:35	Haul Road KM 116	300 m-1 km	John Noble	NA	S	West		201-500	-13	N	50	80

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
2024-10-31	NA	NA	AWAR KM 33	300-1000	0	Precipitation: 0; windy	1000	1500	0
2024-11-01	NA	NA	AWAR KM 9	>1000	0	Precipitation: 0; overcast, windy	0	1500	0
2024-11-01	NA	NA	AWAR KM 13	300-1000	0	Precipitation: 0; overcast, windy	0	1500	0
2024-11-04	NA	NA	AWAR KM 32	300-1000	0	Precipitation: 0; snow, overcast	100	800	No
2024-11-05	NA	NA	AWAR KM 80	>1000	0	Precipitation: 0; windy	0	1500	0
2024-11-08	NA	NA	AWAR KM 32	300-1000	0	Precipitation: 0; light snow	0	900	0
2024-11-22	NA	NA	AWAR KM 58	300-1000	0	Precipitation: 0; sunny, cloudy	-100	1500	None
2024-11-24	NA	NA	AWAR KM 61	300-1000	0	Precipitation: 0; overcast	0	1000	0
2024-11-27	NA	NA	AWAR KM 49	>1000	0	Precipitation: 0; windy	1500	1000	0
2024-11-28	NA	NA	Haul Road KM 173	50-100	1	Precipitation: 0; overcast, windy	0	900	None
2024-11-28	NA	NA	Haul Road KM 168	100-300	1	Precipitation: 0; overcast	300	1100	None
2024-11-28	NA	NA	Haul Road KM 133	>1000	0	Precipitation: 0; sunny	-500	1500	0
2024-11-29	NA	NA	AWAR KM 79	300-1000	0	Precipitation: 0; sunny	0	1500	0
2024-10-26	NA	NA	AWAR KM 6	>1000	0	Precipitation: 0; overcast	0	1500	None
2024-12-11	NA	NA	AWAR KM 80	>1000	1	Precipitation: 0; cold	100	200	0
2024-12-14	NA	NA	AWAR KM 89	300-1000	1	Precipitation: 0; cold	100	200	0
2024-12-17	NA	NA	AWAR KM 68	>1000	0	Precipitation: 0; light wind, overcast	100	1500	None
2024-12-23	NA	NA	AWAR KM 23	100-300	1	Precipitation: 0; blowing snow	-50000	1000	None
3/3/2025	13:49	15:15		100-300 m	3	Precipitation: 0; cloudy	0	10	None
4/5/2025	8:17	9:08	Haul Road KM 160	1-1.5 km	1	Precipitation: 0; calm	2	15	None
4/5/2025	9:55	10:23	Haul Road KM 134	300 m-1 km	1	Precipitation: 0; calm	5	8	0
4/8/2025	9:01	9:31	AWAR KM 94	300 m-1 km	0	Precipitation: 0; strong winds lifting up snow; visibility is 500 m	2	8	0
4/10/2025	13:02	13:32	AWAR KM 98	100-300 m	0	Precipitation: Snow; 5-10 cm	0	10	0
4/10/2025	13:40	14:13	AWAR KM 101	300 m-1 km	0	Precipitation: 0	2	10	0
4/9/2025	16:36	17:11	AWAR KM 94	300 m-1 km	0	Precipitation: 0	0	10	0
4/9/2025	15:47	16:23	AWAR KM 94	1-1.5 km	0	Precipitation: 0	1	10	0
4/11/2025	13:26	14:00	AWAR KM 57	>1.5 km	0	Precipitation: 0; overcast	5	10	0
4/12/2025	9:21	9:58	Haul Road KM 135	300 m-1 km	0	Precipitation: 0; overcast	3	15	None
4/14/2025	10:00	11:30	Haul Road KM 111	300 m-1 km	0	Precipitation: 0; overcast	1	15	None
4/14/2025	11:07	11:30	AWAR KM 65	>1.5 km	0	Precipitation: 0; cloudy	0	10	0
4/15/2025	13:47	14:19	AWAR KM 88	1-1.5 km	0	Precipitation: 0; clear	0	10	0
4/22/2025	14:03	14:42	AWAR KM 77	300 m-1 km	2	Precipitation: Snowing	1	15	0
4/22/2025	11:47	12:00	Haul Road KM 160	300 m-1 km	0	Precipitation: None	1	25	0
4/22/2025	0:45	13:15	AWAR KM 95	1-1.5 km	0	Precipitation: 0; overcast, snowy, windy	-20	10	0
4/23/2025	16:08	16:28	Haul Road KM 169	300 m-1 km	1	Precipitation: 0; sunny	1	10	None
4/27/2025	8:17	8:53	Haul Road KM 176	1-1.5 km	0	Precipitation: 0	1	10	None
4/28/2025	16:12	16:31	Haul Road KM 162	100-300 m	7	Precipitation: 0	1	10	None
4/29/2025	8:55	9:30	AWAR KM 89	300 m-1 km	5	Precipitation: 0; sunny	0	10	0
5/2/2025	8:50	8:50	AWAR KM 93	100-300 m	2	Precipitation: 0; sunny	0	10	0
5/6/2025	11:44	12:28	Haul Road KM 112	300 m-1 km	0	Precipitation: 0; blowing snow	2	15	0
5/6/2025	10:35	10:35	Haul Road KM 116	300 m-1 km	0	Precipitation: 0; blowing snow	2	10	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
2024-10-31	NA	NA	AWAR KM 33	300-1000	8	7	0	0	0	0	9	0	1	3	0	0
2024-11-01	NA	NA	AWAR KM 9	>1000	0	0	0	7	0	0	0	0	0	7	0	0
2024-11-01	NA	NA	AWAR KM 13	300-1000	0	0	0	2	0	0	0	0	0	2	0	0
2024-11-04	NA	NA	AWAR KM 32	300-1000	180	0	0	20	0	0	175	0	0	25	0	0
2024-11-05	NA	NA	AWAR KM 80	>1000	0	0	0	1	0	0	0	0	0	1	0	0
2024-11-08	NA	NA	AWAR KM 32	300-1000	0	0	0	14	0	0	0	0	0	14	0	0
2024-11-22	NA	NA	AWAR KM 58	300-1000	78	0	0	1	0	0	79	0	0	0	0	0
2024-11-24	NA	NA	AWAR KM 61	300-1000	0	0	0	1	0	0	0	0	0	1	0	0
2024-11-27	NA	NA	AWAR KM 49	>1000	0	0	0	47	0	0	0	0	0	47	0	0
2024-11-28	NA	NA	Haul Road KM 173	50-100	14	0	0	0	0	0	0	0	0	0	14	0
2024-11-28	NA	NA	Haul Road KM 168	100-300	0	0	0	16	0	0	0	0	0	16	0	0
2024-11-28	NA	NA	Haul Road KM 133	>1000	14	11	0	0	0	0	11	8	6	0	0	0
2024-11-29	NA	NA	AWAR KM 79	300-1000	54	0	0	0	0	0	NA	NA	NA	NA	NA	NA
2024-10-26	NA	NA	AWAR KM 6	>1000	10	0	5	40	0	0	4	0	8	28	0	0
2024-12-11	NA	NA	AWAR KM 80	>1000	32	0	0	0	0	0	NA	NA	NA	NA	NA	NA
2024-12-14	NA	NA	AWAR KM 89	300-1000	20	0	0	0	0	0	6	14	0	0	0	0
2024-12-17	NA	NA	AWAR KM 68	>1000	0	0	0	27	0	0	0	0	0	27	0	0
2024-12-23	NA	NA	AWAR KM 23	100-300	0	1	0	0	0	0	0	1	0	0	0	0
3/3/2025	13:49	15:15		100-300 m	2	0	2	0	0	0	1	0	1	1	0	0
4/5/2025	8:17	9:08	Haul Road KM 160	1-1.5 km	62	0	0	2	0	0	50	0	0	14	0	0
4/5/2025	9:55	10:23	Haul Road KM 134	300 m-1 km	0	0	0	1	0	0	0	0	0	6	0	0
4/8/2025	9:01	9:31	AWAR KM 94	300 m-1 km	34	0	3	2	6	0	43	0	2	0	0	0
4/10/2025	13:02	13:32	AWAR KM 98	100-300 m	0	0	0	8	0	0	0	0	0	1	0	0
4/10/2025	13:40	14:13	AWAR KM 101	300 m-1 km	22	0	0	15	6	0	27	0	0	15	1	0
4/9/2025	16:36	17:11	AWAR KM 94	300 m-1 km	3	30	0	0	0	0	0	33	0	0	0	0
4/9/2025	15:47	16:23	AWAR KM 94	1-1.5 km	53	157	0	0	0	0	54	154	0	0	2	0
4/11/2025	13:26	14:00	AWAR KM 57	>1.5 km	28	0	0	0	0	0	23	5	0	0	0	0
4/12/2025	9:21	9:58	Haul Road KM 135	300 m-1 km	0	15	19	0	0	0	0	16	17	0	0	0
4/14/2025	10:00	11:30	Haul Road KM 111	300 m-1 km	0	0	0	9	0	0	8	0	0	0	0	1
4/14/2025	11:07	11:30	AWAR KM 65	>1.5 km	0	0	0	2	0	0	0	0	0	2	0	0
4/15/2025	13:47	14:19	AWAR KM 88	1-1.5 km	29	0	0	0	0	0	28	0	1	0	0	0
4/22/2025	14:03	14:42	AWAR KM 77	300 m-1 km	0	0	64	64	0	0	0	0	64	64	0	0
4/22/2025	11:47	12:00	Haul Road KM 160	300 m-1 km	0	0	0	8	0	0	0	0	0	8	0	0
4/22/2025	0:45	13:15	AWAR KM 95	1-1.5 km	75	0	0	0	0	0	60	0	0	15	0	0
4/23/2025	16:08	16:28	Haul Road KM 169	300 m-1 km	0	0	0	24	0	0	0	0	0	0	0	24
4/27/2025	8:17	8:53	Haul Road KM 176	1-1.5 km	78	193	0	0	0	0	78	193	0	0	0	0
4/28/2025	16:12	16:31	Haul Road KM 162	100-300 m	124	0	0	21	0	0	124	0	0	21	0	0
4/29/2025	8:55	9:30	AWAR KM 89	300 m-1 km	1	35	1	166	0	0	3	9	13	159	0	0
5/2/2025	8:50	8:50	AWAR KM 93	100-300 m	0	0	1	0	0	0						
5/6/2025	11:44	12:28	Haul Road KM 112	300 m-1 km	0	164	3	0	0	0	0	167	0	0	0	0
5/6/2025	10:35	10:35	Haul Road KM 116	300 m-1 km	97	0	10	17	0	0	18	2	0	59	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
2024-10-31	NA	NA	AWAR KM 33	300-1000	5	2	0	6	0	0	5	5	0	3	0	0
2024-11-01	NA	NA	AWAR KM 9	>1000	7	0	0	0	0	0	7	0	0	0	0	0
2024-11-01	NA	NA	AWAR KM 13	300-1000	0	0	0	2	0	0	2	0	0	0	0	0
2024-11-04	NA	NA	AWAR KM 32	300-1000	0	0	0	200	0	0	0	0	0	150	0	50
2024-11-05	NA	NA	AWAR KM 80	>1000	0	0	0	1	0	0	0	0	0	1	0	0
2024-11-08	NA	NA	AWAR KM 32	300-1000	0	0	0	14	0	0	0	0	0	0	0	0
2024-11-22	NA	NA	AWAR KM 58	300-1000	77	0	0	2	0	0	76	3	0	0	0	0
2024-11-24	NA	NA	AWAR KM 61	300-1000	0	0	0	1	0	0	0	0	0	1	0	0
2024-11-27	NA	NA	AWAR KM 49	>1000	0	0	0	47	0	0	0	0	0	47	0	0
2024-11-28	NA	NA	Haul Road KM 173	50-100	0	0	0	14	0	0	14	0	0	0	0	0
2024-11-28	NA	NA	Haul Road KM 168	100-300	0	0	0	16	0	0	0	0	0	16	0	0
2024-11-28	NA	NA	Haul Road KM 133	>1000	11	14	0	0	0	0	14	11	0	0	0	0
2024-11-29	NA	NA	AWAR KM 79	300-1000	49	2	0	3	0	0	40	3	0	11	0	0
2024-10-26	NA	NA	AWAR KM 6	>1000	5	0	1	12	0	0	1	11	3	0	0	0
2024-12-11	NA	NA	AWAR KM 80	>1000	0	0	0	32	0	0	0	0	0	32	0	0
2024-12-14	NA	NA	AWAR KM 89	300-1000	2	18	0	0	0	0	1	19	0	0	0	0
2024-12-17	NA	NA	AWAR KM 68	>1000	0	0	0	48	0	0	0	0	0	65	0	0
2024-12-23	NA	NA	AWAR KM 23	100-300	0	1	0	0	0	0	0	1	0	0	0	0
3/3/2025	13:49	15:15		100-300 m	2	0	0	0	0	0	2	0	0	0	0	0
4/5/2025	8:17	9:08	Haul Road KM 160	1-1.5 km	50	0	0	14	0	0	45	0	0	19	0	0
4/5/2025	9:55	10:23	Haul Road KM 134	300 m-1 km	0	0	0	5	0	0	0	0	0	5	0	0
4/8/2025	9:01	9:31	AWAR KM 94	300 m-1 km	41	0	1	3	0	0	33	0	1	2	0	0
4/10/2025	13:02	13:32	AWAR KM 98	100-300 m	0	0	0	0	0	0	5	0	0	0	0	0
4/10/2025	13:40	14:13	AWAR KM 101	300 m-1 km	30	0	0	10	3	0	11	0	0	31	1	0
4/9/2025	16:36	17:11	AWAR KM 94	300 m-1 km	0	32	1	0	0	0	0	0	0	0	33	0
4/9/2025	15:47	16:23	AWAR KM 94	1-1.5 km	49	161	0	0	0	0	47	163	0	0	0	0
4/11/2025	13:26	14:00	AWAR KM 57	>1.5 km	23	5	0	0	0	0	24	4	0	0	0	0
4/12/2025	9:21	9:58	Haul Road KM 135	300 m-1 km	0	15	24	0	0	0	20	14	6	0	0	0
4/14/2025	10:00	11:30	Haul Road KM 111	300 m-1 km	0	0	0	5	0	0	0	0	0	0	0	0
4/14/2025	11:07	11:30	AWAR KM 65	>1.5 km	0	0	0	2	0	0	0	0	0	2	0	0
4/15/2025	13:47	14:19	AWAR KM 88	1-1.5 km	28	0	0	1	0	0	28	0	1	0	0	0
4/22/2025	14:03	14:42	AWAR KM 77	300 m-1 km	0	0	64	0	0	0	0	0	64	64	0	0
4/22/2025	11:47	12:00	Haul Road KM 160	300 m-1 km												
4/22/2025	0:45	13:15	AWAR KM 95	1-1.5 km	65	0	0	10	0	0	65	0	0	10	0	0
4/23/2025	16:08	16:28	Haul Road KM 169	300 m-1 km	0	0	0	10	0	0	10	0	0	0	0	0
4/27/2025	8:17	8:53	Haul Road KM 176	1-1.5 km	78	193	0	0	0	0	81	190	0	0	0	0
4/28/2025	16:12	16:31	Haul Road KM 162	100-300 m	119	0	0	26	0	0	118	0	0	27	0	0
4/29/2025	8:55	9:30	AWAR KM 89	300 m-1 km	11	16	8	182	0	0	3	23	7	198	0	0
5/2/2025	8:50	8:50	AWAR KM 93	100-300 m												
5/6/2025	11:44	12:28	Haul Road KM 112	300 m-1 km	0	167	0	0	0	0	0	166	1	0	0	0
5/6/2025	10:35	10:35	Haul Road KM 116	300 m-1 km	3	0	8	0	0	0						

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
2024-10-31	NA	NA	AWAR KM 33	300-1000	8	5	0	0	0	0	8	5	0	0	0
2024-11-01	NA	NA	AWAR KM 9	>1000	7	0	0	0	0	0	7	0	0	0	0
2024-11-01	NA	NA	AWAR KM 13	300-1000	2	0	0	0	0	0	2	0	0	0	0
2024-11-04	NA	NA	AWAR KM 32	300-1000	0	0	0	150	0	0	0	0	0	150	0
2024-11-05	NA	NA	AWAR KM 80	>1000	0	0	0	1	0	0	0	0	0	0	0
2024-11-08	NA	NA	AWAR KM 32	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-22	NA	NA	AWAR KM 58	300-1000	79	0	0	0	0	0	79	0	0	0	0
2024-11-24	NA	NA	AWAR KM 61	300-1000	0	0	0	1	0	0	0	0	0	1	0
2024-11-27	NA	NA	AWAR KM 49	>1000	0	0	0	47	0	0	0	0	0	47	0
2024-11-28	NA	NA	Haul Road KM 173	50-100	0	0	0	14	0	0	NA	NA	NA	NA	NA
2024-11-28	NA	NA	Haul Road KM 168	100-300	0	0	0	16	0	0	0	0	0	0	0
2024-11-28	NA	NA	Haul Road KM 133	>1000	14	11	0	0	0	0	14	11	0	0	0
2024-11-29	NA	NA	AWAR KM 79	300-1000	32	4	0	18	0	0	27	3	0	24	0
2024-10-26	NA	NA	AWAR KM 6	>1000	2	14	0	0	0	0	2	14	0	0	0
2024-12-11	NA	NA	AWAR KM 80	>1000	0	0	0	32	0	0	0	0	0	0	0
2024-12-14	NA	NA	AWAR KM 89	300-1000	2	18	0	0	0	0	3	17	0	0	0
2024-12-17	NA	NA	AWAR KM 68	>1000	0	0	0	18	0	0	0	0	0	0	0
2024-12-23	NA	NA	AWAR KM 23	100-300	0	1	0	0	0	0	0	1	0	0	0
3/3/2025	13:49	15:15		100-300 m	2	0	0	0	0	0	2	0	0	0	2
4/5/2025	8:17	9:08	Haul Road KM 160	1-1.5 km	49	0	0	15	0	0	53	0	0	11	0
4/5/2025	9:55	10:23	Haul Road KM 134	300 m-1 km	0	0	5	1	0	0	0	0	5	1	0
4/8/2025	9:01	9:31	AWAR KM 94	300 m-1 km	28	1	1	0	0	0	29	0	0	0	0
4/10/2025	13:02	13:32	AWAR KM 98	100-300 m	5	0	0	0	0	0	6	0	0	0	0
4/10/2025	13:40	14:13	AWAR KM 101	300 m-1 km	14	0	0	7	0	0	16	0	0	17	0
4/9/2025	16:36	17:11	AWAR KM 94	300 m-1 km	0	0	0	33	0	0	0	0	0	33	0
4/9/2025	15:47	16:23	AWAR KM 94	1-1.5 km	39	170	0	1	0	0	38	171	0	1	0
4/11/2025	13:26	14:00	AWAR KM 57	>1.5 km	25	3	0	0	0	0	25	3	0	0	0
4/12/2025	9:21	9:58	Haul Road KM 135	300 m-1 km	25	14	0	0	0	0	27	17	0	0	0
4/14/2025	10:00	11:30	Haul Road KM 111	300 m-1 km	0	0	0	0	0	0	0	0	0	0	0
4/14/2025	11:07	11:30	AWAR KM 65	>1.5 km	2	0	0	0	0	0	2	0	0	0	0
4/15/2025	13:47	14:19	AWAR KM 88	1-1.5 km	29	0	0	0	0	0	29	0	0	0	0
4/22/2025	14:03	14:42	AWAR KM 77	300 m-1 km	0	0	64	64	0	0	0	0	64	64	0
4/22/2025	11:47	12:00	Haul Road KM 160	300 m-1 km											
4/22/2025	0:45	13:15	AWAR KM 95	1-1.5 km	71	0	0	4	0	0	63	0	0	12	0
4/23/2025	16:08	16:28	Haul Road KM 169	300 m-1 km	0	0	0	0	0	0					
4/27/2025	8:17	8:53	Haul Road KM 176	1-1.5 km	81	190	0	0	0	0	81	190	0	0	0
4/28/2025	16:12	16:31	Haul Road KM 162	100-300 m	119	0	0	29	0	0	120	0	0	45	0
4/29/2025	8:55	9:30	AWAR KM 89	300 m-1 km	4	23	9	150	0	0	6	23	7	104	0
5/2/2025	8:50	8:50	AWAR KM 93	100-300 m											
5/6/2025	11:44	12:28	Haul Road KM 112	300 m-1 km	0	167	0	0	0	0	0	191	5	0	0
5/6/2025	10:35	10:35	Haul Road KM 116	300 m-1 km											

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
2024-10-31	NA	NA	AWAR KM 33	300-1000	0	6	7	0	0	0	0	5	8	0	0
2024-11-01	NA	NA	AWAR KM 9	>1000	0	7	0	0	0	0	0	7	0	0	0
2024-11-01	NA	NA	AWAR KM 13	300-1000	0	2	0	0	0	0	0	2	0	0	0
2024-11-04	NA	NA	AWAR KM 32	300-1000	0	25	0	0	125	0	0	25	0	0	125
2024-11-05	NA	NA	AWAR KM 80	>1000	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-08	NA	NA	AWAR KM 32	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-22	NA	NA	AWAR KM 58	300-1000	0	79	0	0	0	0	0	0	0	0	0
2024-11-24	NA	NA	AWAR KM 61	300-1000	0	0	0	0	1	0	0	0	0	0	1
2024-11-27	NA	NA	AWAR KM 49	>1000	0	0	0	0	47	0	0	0	0	0	47
2024-11-28	NA	NA	Haul Road KM 173	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-28	NA	NA	Haul Road KM 168	100-300	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-28	NA	NA	Haul Road KM 133	>1000	0	14	11	0	0	0	0	14	11	0	0
2024-11-29	NA	NA	AWAR KM 79	300-1000	0	23	4	0	27	0	0	20	4	0	30
2024-10-26	NA	NA	AWAR KM 6	>1000	0	0	11	0	5	0	0	3	13	0	0
2024-12-11	NA	NA	AWAR KM 80	>1000	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-12-14	NA	NA	AWAR KM 89	300-1000	0	3	17	0	0	0	0	3	17	0	0
2024-12-17	NA	NA	AWAR KM 68	>1000	0	0	0	0	6	0	0	0	0	0	1
2024-12-23	NA	NA	AWAR KM 23	100-300	0	0	1	0	0	0	0	0	1	0	0
3/3/2025	13:49	15:15		100-300 m	0	1	0	0	1	0	0	2	0	0	0
4/5/2025	8:17	9:08	Haul Road KM 160	1-1.5 km	0	56	0	0	8	0	0	53	0	0	11
4/5/2025	9:55	10:23	Haul Road KM 134	300 m-1 km	0	0	0	0	6	0	0	0	0	0	0
4/8/2025	9:01	9:31	AWAR KM 94	300 m-1 km	0	29	0	0	9	0	0	27	0	0	2
4/10/2025	13:02	13:32	AWAR KM 98	100-300 m	0	2	0	0	0	0	0	2	0	0	0
4/10/2025	13:40	14:13	AWAR KM 101	300 m-1 km	0	10	0	0	18	0	0	15	0	0	35
4/9/2025	16:36	17:11	AWAR KM 94	300 m-1 km	0	0	0	0	33	0	0	0	0	0	33
4/9/2025	15:47	16:23	AWAR KM 94	1-1.5 km	0	36	143	0	31	0	0	43	166	0	1
4/11/2025	13:26	14:00	AWAR KM 57	>1.5 km	0	24	3	0	1	0	0	24	4	0	0
4/12/2025	9:21	9:58	Haul Road KM 135	300 m-1 km	0	23	18	2	0	0	0	27	2	0	0
4/14/2025	10:00	11:30	Haul Road KM 111	300 m-1 km	0	0	0	0	0	0	0	0	0	0	0
4/14/2025	11:07	11:30	AWAR KM 65	>1.5 km	0	2	0	0	0	0	0	2	0	0	0
4/15/2025	13:47	14:19	AWAR KM 88	1-1.5 km	0	29	0	0	0	0	0	29	0	0	0
4/22/2025	14:03	14:42	AWAR KM 77	300 m-1 km	0	0	0	64	64	0	0	0	0	64	64
4/22/2025	11:47	12:00	Haul Road KM 160	300 m-1 km											
4/22/2025	0:45	13:15	AWAR KM 95	1-1.5 km	0	61	0	0	14	0	0	50	0	0	25
4/23/2025	16:08	16:28	Haul Road KM 169	300 m-1 km											
4/27/2025	8:17	8:53	Haul Road KM 176	1-1.5 km	0	81	190	0	0	0	0	73	198	0	0
4/28/2025	16:12	16:31	Haul Road KM 162	100-300 m	0	134	0	0	11	0	0				
4/29/2025	8:55	9:30	AWAR KM 89	300 m-1 km	0	4	22	18	77	0	0	7	22	5	72
5/2/2025	8:50	8:50	AWAR KM 93	100-300 m											
5/6/2025	11:44	12:28	Haul Road KM 112	300 m-1 km	0	0	196	0	0	0	0	0	196	0	0
5/6/2025	10:35	10:35	Haul Road KM 116	300 m-1 km											

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
2024-10-31	NA	NA	AWAR KM 33	300-1000	0	0	4	9	0	0	0	0	4	9	0
2024-11-01	NA	NA	AWAR KM 9	>1000	0	0	7	0	0	0	0	0	7	0	0
2024-11-01	NA	NA	AWAR KM 13	300-1000	0	0	2	0	0	0	0	0	2	0	0
2024-11-04	NA	NA	AWAR KM 32	300-1000	0	0	0	0	0	150	0	0	0	75	0
2024-11-05	NA	NA	AWAR KM 80	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-08	NA	NA	AWAR KM 32	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-22	NA	NA	AWAR KM 58	300-1000	0	79	0	0	0	0	0	79	0	0	0
2024-11-24	NA	NA	AWAR KM 61	300-1000	0	0	0	0	0	1	0	0	0	0	0
2024-11-27	NA	NA	AWAR KM 49	>1000	0	0	0	0	0	47	0	0	0	0	0
2024-11-28	NA	NA	Haul Road KM 173	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-28	NA	NA	Haul Road KM 168	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-28	NA	NA	Haul Road KM 133	>1000	0	0	13	11	0	1	0	0	13	11	1
2024-11-29	NA	NA	AWAR KM 79	300-1000	0	0	20	4	0	30	0	0	20	3	1
2024-10-26	NA	NA	AWAR KM 6	>1000	0	0	0	14	2	0	0	0	0	16	0
2024-12-11	NA	NA	AWAR KM 80	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-12-14	NA	NA	AWAR KM 89	300-1000	0	0	5	15	0	0	0	0	5	15	0
2024-12-17	NA	NA	AWAR KM 68	>1000	0	0	0	0	5	0	0	0	0	0	5
2024-12-23	NA	NA	AWAR KM 23	100-300	0	0	0	1	0	0	0	0	0	1	0
3/3/2025	13:49	15:15		100-300 m	0	0	0	0	2	0	0	0	0	0	0
4/5/2025	8:17	9:08	Haul Road KM 160	1-1.5 km	0	0	0	0	0	5	0	0	0	0	0
4/5/2025	9:55	10:23	Haul Road KM 134	300 m-1 km	0	0	0	0	0	6	0	0	0	0	2
4/8/2025	9:01	9:31	AWAR KM 94	300 m-1 km	0	0	23	0	0	0	0	0	27	0	0
4/10/2025	13:02	13:32	AWAR KM 98	100-300 m	0	0	2	0	0	0	1	0	4	0	0
4/10/2025	13:40	14:13	AWAR KM 101	300 m-1 km	0	0	21	0	0	27	0	0	16	0	0
4/9/2025	16:36	17:11	AWAR KM 94	300 m-1 km	0	0	0	0	0	33	0	0	0	33	0
4/9/2025	15:47	16:23	AWAR KM 94	1-1.5 km	0	0	30	178	0	2	0	0	30	180	0
4/11/2025	13:26	14:00	AWAR KM 57	>1.5 km	0	0	24	4	0	0	0	0	23	5	0
4/12/2025	9:21	9:58	Haul Road KM 135	300 m-1 km	15	0	34	2	0	6	0	0	7	0	0
4/14/2025	10:00	11:30	Haul Road KM 111	300 m-1 km	0	0	0	0	0	0	0	0	0	0	0
4/14/2025	11:07	11:30	AWAR KM 65	>1.5 km	0	0	2	0	0	0	0	0	2	0	0
4/15/2025	13:47	14:19	AWAR KM 88	1-1.5 km	0	0	14	15	0	0	0	0	9	20	0
4/22/2025	14:03	14:42	AWAR KM 77	300 m-1 km	0	0	0	0	64	64	0	0	0	0	64
4/22/2025	11:47	12:00	Haul Road KM 160	300 m-1 km											
4/22/2025	0:45	13:15	AWAR KM 95	1-1.5 km	0	0	63	0	0	12	0	0	0	0	0
4/23/2025	16:08	16:28	Haul Road KM 169	300 m-1 km											
4/27/2025	8:17	8:53	Haul Road KM 176	1-1.5 km	0	0	78	193	0	0	0	0	78	193	0
4/28/2025	16:12	16:31	Haul Road KM 162	100-300 m											
4/29/2025	8:55	9:30	AWAR KM 89	300 m-1 km	0	0	6	19	17	68	0	0	4	7	5
5/2/2025	8:50	8:50	AWAR KM 93	100-300 m											
5/6/2025	11:44	12:28	Haul Road KM 112	300 m-1 km	0	0	0	196	0	0	0	0	0	195	1
5/6/2025	10:35	10:35	Haul Road KM 116	300 m-1 km											

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
2024-10-31	NA	NA	AWAR KM 33	300-1000	0	0	0	4	9	0	0	0	0
2024-11-01	NA	NA	AWAR KM 9	>1000	0	0	0	7	0	0	0	0	0
2024-11-01	NA	NA	AWAR KM 13	300-1000	0	0	0	2	0	0	0	0	0
2024-11-04	NA	NA	AWAR KM 32	300-1000	74	0	0	0	75	0	75	0	0
2024-11-05	NA	NA	AWAR KM 80	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-08	NA	NA	AWAR KM 32	300-1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-22	NA	NA	AWAR KM 58	300-1000	0	0	78	0	0	0	0	0	77
2024-11-24	NA	NA	AWAR KM 61	300-1000	1	0	0	0	0	0	0	0	0
2024-11-27	NA	NA	AWAR KM 49	>1000	47	0	0	0	0	0	47	0	0
2024-11-28	NA	NA	Haul Road KM 173	50-100	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-28	NA	NA	Haul Road KM 168	100-300	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-11-28	NA	NA	Haul Road KM 133	>1000	0	0	0	11	11	3	0	0	0
2024-11-29	NA	NA	AWAR KM 79	300-1000	30	0	0	18	4	0	32	0	0
2024-10-26	NA	NA	AWAR KM 6	>1000	0	0	0	0	16	0	0	0	0
2024-12-11	NA	NA	AWAR KM 80	>1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
2024-12-14	NA	NA	AWAR KM 89	300-1000	0	0	0	NA	NA	NA	NA	NA	NA
2024-12-17	NA	NA	AWAR KM 68	>1000	0	0	0	0	0	0	5	0	0
2024-12-23	NA	NA	AWAR KM 23	100-300	0	0	0	0	1	0	0	0	0
3/3/2025	13:49	15:15		100-300 m	2	0	0	0	0	2	0	0	0
4/5/2025	8:17	9:08	Haul Road KM 160	1-1.5 km	0	0	0	0	0	0	0	0	0
4/5/2025	9:55	10:23	Haul Road KM 134	300 m-1 km	0	0	0						
4/8/2025	9:01	9:31	AWAR KM 94	300 m-1 km	2	0	0	27	0	0	0	4	0
4/10/2025	13:02	13:32	AWAR KM 98	100-300 m	0	0	0	4	0	0	0	0	0
4/10/2025	13:40	14:13	AWAR KM 101	300 m-1 km	13	0	0	15	0	0	12	0	0
4/9/2025	16:36	17:11	AWAR KM 94	300 m-1 km	0	0	0	17	0	0	16	0	0
4/9/2025	15:47	16:23	AWAR KM 94	1-1.5 km	0	0	0	26	184	0	0	0	0
4/11/2025	13:26	14:00	AWAR KM 57	>1.5 km	0	0	0	20	8	0	0	0	0
4/12/2025	9:21	9:58	Haul Road KM 135	300 m-1 km	15	0	16	2	0	0	9	0	0
4/14/2025	10:00	11:30	Haul Road KM 111	300 m-1 km	0	0	0	0	0	0	0	0	0
4/14/2025	11:07	11:30	AWAR KM 65	>1.5 km	0	0	0	2	0	0	0	0	0
4/15/2025	13:47	14:19	AWAR KM 88	1-1.5 km	0	0	0	6	23	0	0	0	0
4/22/2025	14:03	14:42	AWAR KM 77	300 m-1 km	64	0	0	0	0	15	49	0	0
4/22/2025	11:47	12:00	Haul Road KM 160	300 m-1 km									
4/22/2025	0:45	13:15	AWAR KM 95	1-1.5 km	0	0	0	0	0	0	0	0	0
4/23/2025	16:08	16:28	Haul Road KM 169	300 m-1 km									
4/27/2025	8:17	8:53	Haul Road KM 176	1-1.5 km	0	0	0	78	193	0	0	0	0
4/28/2025	16:12	16:31	Haul Road KM 162	100-300 m									
4/29/2025	8:55	9:30	AWAR KM 89	300 m-1 km	66	0	0	1	2	7	52	0	0
5/2/2025	8:50	8:50	AWAR KM 93	100-300 m									
5/6/2025	11:44	12:28	Haul Road KM 112	300 m-1 km	0	0	0	0	196	0	0	0	0
5/6/2025	10:35	10:35	Haul Road KM 116	300 m-1 km									

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
2024-10-31	NA	NA	AWAR KM 33	300-1000	NA	NA	NA	NA	NA	NA
2024-11-01	NA	NA	AWAR KM 9	>1000	NA	NA	NA	NA	NA	NA
2024-11-01	NA	NA	AWAR KM 13	300-1000	NA	NA	NA	Aircraft	NA	NA
2024-11-04	NA	NA	AWAR KM 32	300-1000	NA	NA	NA	NA	NA	NA
2024-11-05	NA	NA	AWAR KM 80	>1000	NA	NA	NA	NA	NA	NA
2024-11-08	NA	NA	AWAR KM 32	300-1000	Aircraft	NA	Aircraft	NA	NA	NA
2024-11-22	NA	NA	AWAR KM 58	300-1000	NA	NA	NA	NA	NA	NA
2024-11-24	NA	NA	AWAR KM 61	300-1000	NA	NA	NA	NA	NA	NA
2024-11-27	NA	NA	AWAR KM 49	>1000	NA	NA	NA	NA	NA	NA
2024-11-28	NA	NA	Haul Road KM 173	50-100	NA	NA	NA	NA	NA	NA
2024-11-28	NA	NA	Haul Road KM 168	100-300	NA	NA	NA	NA	NA	NA
2024-11-28	NA	NA	Haul Road KM 133	>1000	NA	NA	NA	NA	NA	NA
2024-11-29	NA	NA	AWAR KM 79	300-1000	NA	NA	NA	Convoy	NA	NA
2024-10-26	NA	NA	AWAR KM 6	>1000	NA	NA	NA	NA	NA	NA
2024-12-11	NA	NA	AWAR KM 80	>1000	NA	NA	NA	NA	NA	NA
2024-12-14	NA	NA	AWAR KM 89	300-1000	NA	NA	NA	NA	NA	NA
2024-12-17	NA	NA	AWAR KM 68	>1000	NA	NA	NA	NA	NA	NA
2024-12-23	NA	NA	AWAR KM 23	100-300	NA	NA	NA	Tanker	NA	Tanker
3/3/2025	13:49	15:15		100-300 m						
4/5/2025	8:17	9:08	Haul Road KM 160	1-1.5 km				2	1	
4/5/2025	9:55	10:23	Haul Road KM 134	300 m-1 km						
4/8/2025	9:01	9:31	AWAR KM 94	300 m-1 km	1					
4/10/2025	13:02	13:32	AWAR KM 98	100-300 m				1		
4/10/2025	13:40	14:13	AWAR KM 101	300 m-1 km						
4/9/2025	16:36	17:11	AWAR KM 94	300 m-1 km						
4/9/2025	15:47	16:23	AWAR KM 94	1-1.5 km						
4/11/2025	13:26	14:00	AWAR KM 57	>1.5 km	3					
4/12/2025	9:21	9:58	Haul Road KM 135	300 m-1 km						
4/14/2025	10:00	11:30	Haul Road KM 111	300 m-1 km						
4/14/2025	11:07	11:30	AWAR KM 65	>1.5 km						
4/15/2025	13:47	14:19	AWAR KM 88	1-1.5 km						
4/22/2025	14:03	14:42	AWAR KM 77	300 m-1 km	3					
4/22/2025	11:47	12:00	Haul Road KM 160	300 m-1 km						
4/22/2025	0:45	13:15	AWAR KM 95	1-1.5 km						
4/23/2025	16:08	16:28	Haul Road KM 169	300 m-1 km		1		1	1	
4/27/2025	8:17	8:53	Haul Road KM 176	1-1.5 km						
4/28/2025	16:12	16:31	Haul Road KM 162	100-300 m						
4/29/2025	8:55	9:30	AWAR KM 89	300 m-1 km						
5/2/2025	8:50	8:50	AWAR KM 93	100-300 m						
5/6/2025	11:44	12:28	Haul Road KM 112	300 m-1 km						
5/6/2025	10:35	10:35	Haul Road KM 116	300 m-1 km						

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
2024-10-31	NA	NA	AWAR KM 33	300-1000	NA	NA	NA	NA	NA	2024	-96.2229	64.56897	No
2024-11-01	NA	NA	AWAR KM 9	>1000	NA	NA	NA	NA	NA	2024	-96.0168	64.38617	No
2024-11-01	NA	NA	AWAR KM 13	300-1000	NA	NA	NA	NA	NA	2024	-96.0287	64.41241	No
2024-11-04	NA	NA	AWAR KM 32	300-1000	NA	NA	NA	NA	NA	2024	-96.2032	64.55884	Yes
2024-11-05	NA	NA	AWAR KM 80	>1000	NA	NA	NA	NA	NA	2024	-96.307	64.92871	No
2024-11-08	NA	NA	AWAR KM 32	300-1000	NA	NA	NA	NA	NA	2024	-96.2026	64.56879	Yes
2024-11-22	NA	NA	AWAR KM 58	300-1000	NA	Aircraft	NA	Aircraft	Aircraft	2024	-96.3424	64.72321	No
2024-11-24	NA	NA	AWAR KM 61	300-1000	NA	NA	NA	NA	NA	2024	-96.3495	64.76733	No
2024-11-27	NA	NA	AWAR KM 49	>1000	NA	NA	NA	NA	NA	2024	-96.3732	64.67963	No
2024-11-28	NA	NA	Haul Road KM 173	50-100	NA	NA	NA	NA	NA	2024	-96.6017	65.37274	Yes
2024-11-28	NA	NA	Haul Road KM 168	100-300	NA	NA	NA	NA	NA	2024	-96.5493	65.3465	Yes
2024-11-28	NA	NA	Haul Road KM 133	>1000	NA	NA	NA	NA	NA	2024	-96.184	65.20209	No
2024-11-29	NA	NA	AWAR KM 79	300-1000	NA	NA	NA	NA	NA	2024	-96.3137	64.91034	No
2024-10-26	NA	NA	AWAR KM 6	>1000	NA	NA	NA	NA	NA	2024	-96.0702	65.02179	Yes
2024-12-11	NA	NA	AWAR KM 80	>1000	NA	NA	NA	NA	NA	2024	-96.3012	64.92323	Yes
2024-12-14	NA	NA	AWAR KM 89	300-1000	NA	NA	NA	NA	NA	2024	-96.2181	64.96454	Yes
2024-12-17	NA	NA	AWAR KM 68	>1000	NA	NA	NA	NA	NA	2024	-96.3161	64.82635	No
2024-12-23	NA	NA	AWAR KM 23	100-300	NA	NA	NA	NA	NA	2024	-96.1218	64.49725	No
3/3/2025	13:49	15:15		100-300 m						2025	-96.0821	65.0200	No
4/5/2025	8:17	9:08	Haul Road KM 160	1-1.5 km						2025	-96.4358	65.3181	Yes
4/5/2025	9:55	10:23	Haul Road KM 134	300 m-1 km						2025	-96.1801	65.1994	Yes
4/8/2025	9:01	9:31	AWAR KM 94	300 m-1 km				2	2	2025	-96.2073	65.0087	Yes
4/10/2025	13:02	13:32	AWAR KM 98	100-300 m						2025	-96.1584	65.0320	No
4/10/2025	13:40	14:13	AWAR KM 101	300 m-1 km						2025	-96.1442	65.0552	No
4/9/2025	16:36	17:11	AWAR KM 94	300 m-1 km						2025	-96.2027	65.0092	No
4/9/2025	15:47	16:23	AWAR KM 94	1-1.5 km						2025	-96.0701	65.0219	No
4/11/2025	13:26	14:00	AWAR KM 57	>1.5 km						2025	-96.3559	64.7372	Yes
4/12/2025	9:21	9:58	Haul Road KM 135	300 m-1 km	4					2025	-96.2180	65.2101	No
4/14/2025	10:00	11:30	Haul Road KM 111	300 m-1 km				5		2025	-96.0316	65.0458	No
4/14/2025	11:07	11:30	AWAR KM 65	>1.5 km						2025	-96.3406	64.7959	No
4/15/2025	13:47	14:19	AWAR KM 88	1-1.5 km						2025	-96.2189	64.9599	No
4/22/2025	14:03	14:42	AWAR KM 77	300 m-1 km						2025	-96.3380	64.8956	Yes
4/22/2025	11:47	12:00	Haul Road KM 160	300 m-1 km						2025	-96.4120	65.3014	No
4/22/2025	0:45	13:15	AWAR KM 95	1-1.5 km						2025	-96.0700	65.0218	Yes
4/23/2025	16:08	16:28	Haul Road KM 169	300 m-1 km						2025	-96.6671	65.4015	No
4/27/2025	8:17	8:53	Haul Road KM 176	1-1.5 km						2025	-96.6125	65.3963	Yes
4/28/2025	16:12	16:31	Haul Road KM 162	100-300 m						2025	-96.4209	65.3151	No
4/29/2025	8:55	9:30	AWAR KM 89	300 m-1 km						2025	-96.2212	64.9709	No
5/2/2025	8:50	8:50	AWAR KM 93	100-300 m						2025	-96.2238	64.9901	No
5/6/2025	11:44	12:28	Haul Road KM 112	300 m-1 km						2025	-96.0104	65.0503	Yes
5/6/2025	10:35	10:35	Haul Road KM 116	300 m-1 km						2025	-96.0305	65.0829	No

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Observers	Waypoint	Bearing to Caribou Group	Is Group East or West of Survey?	Did the Group Cross the Road during the Survey?	Caribou Group Size	Temperature	Wind Speed (km/h)	Wind Direction	Humidity
5/16/2025	7:40	7:56	AWAR KM 92	300 m-1 km	Thomas Dahm, Jonathan Bath	NA	S	East	No	3	-6	N	15	0
5/17/2025	9:59	10:30	AWAR KM 22	1-1.5 km	Thomas Dahm	NA	E	East	No	2	-6	NW	15	0
5/19/2025	15:31	16:00	AWAR KM 73	300 m-1 km	Thomas Dahm	NA	S	West	No	1	1	NW	20	0
5/20/2025	9:55	10:15	AWAR KM 43	1-1.5 km	Thomas Dahm, Jonathan Bath	NA	S	West	No	2	4	NE	20	0
5/20/2025	10:15	10:45	AWAR KM 42	1-1.5 km	Thomas Dahm, Jonathan Bath	NA	S	West	No	32	4	NW	20	0
4/26/2025	11:45	12:21	Haul Road KM 149	300 m-1 km	Renee Pudnak	NA	E	West	No	14	-12	NW	20	0
4/26/2025	13:04	13:19	Haul Road KM 135	100-300 m	RP	NA	W	West	No	12	-12	NW	20	0
4/5/2025	11:02	11:37	Haul Road KM 121	1-1.5 km	Renee P., Nicholas A.	NA	W	West	No	200	-15	NW	40	0
10/22/2025	11:13	11:40	Haul Road KM 130	300 m-1 km	Renee Pudnak	NA	N	East	No	1	-2	W	15	0
10/31/2025	13:48	14:20	Haul Road KM 147	>1.5 km	Thomas Dahm	NA	NA	East	No	62	-6	NW	30	0
10/31/2025	14:20	14:50	Haul Road KM 147	300 m-1 km	Laurence Archambault	NA	E,W	West	No	201-500	-4	N	7	92
11/1/2025	13:36	14:06	Haul Road KM 129	100-300 m	CO JG	NA	NA	East	No	24	-3	S	15	70
11/2/2025	9:10	9:46	Haul Road KM 146	300 m-1 km	Laurence Archambault, Tanisha Noah	NA	NA	East	No	8	-1	SE	27	94
11/4/2025	15:33	16:12	Haul Road KM 159	300 m-1 km	JG	NA	NA	East	No	356	-13	N	39	80
11/5/2025	13:55	14:26	AWAR KM 73	100-300 m	TL	NA	W	West	No	16	-15	N	40	0
11/5/2025	14:36	15:06	AWAR KM 74	300 m-1 km	TL	NA	S	East	No	23	-15	N	40	0
11/5/2025	8:53	9:23	Haul Road KM 128	100-300 m	TL RB	NA	E	East	No	9	-15	N	40	0
11/6/2025	9:27	9:57	AWAR KM 87	100-300 m	Thomas Dahm, Brett Nigel, Dan Coulton	NA	NA	East	No	3	-8	NW	30	0
11/7/2025	10:10	10:43	Haul Road KM 160	300 m-1 km	Nicholas Andreotte, Julien Girard	NA	NA	East	No	43	-7	N	30	90
11/7/2025	10:06	10:36	AWAR KM 75	100-300 m	RC BN	NA	S	West	Yes	1	-7	N	40	0
11/8/2025	9:35	10:05	AWAR KM 77	300 m-1 km	TL	NA	W	East	No	167	-11	NW	30	0
11/9/2025	12:15	12:45	AWAR KM 82	300 m-1 km	Thomas Dahm	NA	W	East	Yes	881	-12	NW	40	0
11/10/2025	13:43	14:15	Haul Road KM 161	300 m-1 km	JG RW RP	NA	NA	East	No	47	-3	SE	35	85
11/10/2025	9:51	10:24	AWAR KM 68	300 m-1 km	Brett Niego	NA	W	West	No	7	-3	SE	50	0
11/11/2025	11:48	12:15	AWAR KM 45	1-1.5 km	Thomas Dahm, Brett Niego	NA	N	East	Yes	2	-1	NW	50	0
11/11/2025	12:29	12:45	Haul Road KM 161	300 m-1 km	Nicholas Andreotte	NA	S	East		1	0	SE	30	94
11/12/2025	8:37	9:11	AWAR KM 82	300 m-1 km	RC, BN	NA	W	West	No	101-200	-3	SE	40	0
11/13/2025	10:51	11:26	Haul Road KM 139	300 m-1 km	Nicholas Andreotte, Renee Pudnak	NA	E	East	No	1	-9	SE	30	82
11/13/2025	13:35	14:09	AWAR KM 28	100-300 m	TL BN	NA	E	East	No	2	-15	SE	30	0
11/25/2025	11:39	12:22	AWAR KM 59	300 m-1 km	RL, FQS	NA	W	East	No	201-500	-20	N	20	0
11/27/2025	9:58	9:58	AWAR KM 70	300 m-1 km	Laurence Archambault, Courtney Cielen	NA	W	East		62	-14	N	20	80
12/5/2025	14:28	14:58	Haul Road KM 120	100-300 m	JG RP	NA	NA	East	No	2	-25	NW	40	65
12/15/2025	14:14	14:49	Haul Road KM 171	300 m-1 km	Renee Pudnak	NA	W	East	No	305	-31	W	20	67
12/16/2025	14:20	15:04	Haul Road KM 171	300 m-1 km	Nicholas Andreotte	NA	NA	West	No	36	-35	W	30	65
12/25/2025	10:40	11:10	Haul Road KM 148	100-300 m	Thomas Dahl, Cedric Ookowt	NA	NA	East	No	48	-19	SW	20	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Days Since Last Snow or Wind Event	Weather Observations	Road Height (cm)	Road Side Width (cm)	Structures Present
5/16/2025	7:40	7:56	AWAR KM 92	300 m-1 km	0	Precipitation: 0; cloudy	0	10	0
5/17/2025	9:59	10:30	AWAR KM 22	1-1.5 km	0	Precipitation: 0; cloudy	10	10	0
5/19/2025	15:31	16:00	AWAR KM 73	300 m-1 km	0	Precipitation: 0; sunny	10	10	0
5/20/2025	9:55	10:15	AWAR KM 43	1-1.5 km	0	Precipitation: 0; overcast	-10	10	0
5/20/2025	10:15	10:45	AWAR KM 42	1-1.5 km	0	Precipitation: 0; cloudy	10	10	0
4/26/2025	11:45	12:21	Haul Road KM 149	300 m-1 km	2	Precipitation: 0; windy	20	2	0
4/26/2025	13:04	13:19	Haul Road KM 135	100-300 m	2	Precipitation: 0; windy	1	2	0
4/5/2025	11:02	11:37	Haul Road KM 121	1-1.5 km	1	Precipitation: Calm	1	8	0
10/22/2025	11:13	11:40	Haul Road KM 130	300 m-1 km	1	Precipitation: 0	2	15	1
10/31/2025	13:48	14:20	Haul Road KM 147	>1.5 km	0	Precipitation: 0; overcast	10	15	0
10/31/2025	14:20	14:50	Haul Road KM 147	300 m-1 km	0	Precipitation: 0	2	15	0
11/1/2025	13:36	14:06	Haul Road KM 129	100-300 m	0	Precipitation: 0; cloudy	2	15	Bridge 200 m SW of the group
11/2/2025	9:10	9:46	Haul Road KM 146	300 m-1 km	0	Precipitation: Blowing snow	1	15	None
11/4/2025	15:33	16:12	Haul Road KM 159	300 m-1 km	0	Precipitation: 0; sunny with clouds, sunset	2	15	1 bridge and 1 sea can to store environment spill response materials
11/5/2025	13:55	14:26	AWAR KM 73	100-300 m	0	Precipitation: 0; clear sky	2	15	Old road
11/5/2025	14:36	15:06	AWAR KM 74	300 m-1 km	0	Precipitation: 0	2	10	0
11/5/2025	8:53	9:23	Haul Road KM 128	100-300 m	0	Precipitation: 0; clear sky	2	15	0
11/6/2025	9:27	9:57	AWAR KM 87	100-300 m	0	Precipitation: 0; windy	0	10	0
11/7/2025	10:10	10:43	Haul Road KM 160	300 m-1 km	1	Precipitation: 0; cloudy, windy	1	15	None
11/7/2025	10:06	10:36	AWAR KM 75	100-300 m	0	Precipitation: 0; low visibility due to blowing snow	1	10	None
11/8/2025	9:35	10:05	AWAR KM 77	300 m-1 km	0	Precipitation: 0; clear sky	3	15	0
11/9/2025	12:15	12:45	AWAR KM 82	300 m-1 km	0	Precipitation: 0; overcast	1	10	0
11/10/2025	13:43	14:15	Haul Road KM 161	300 m-1 km	0	Precipitation: 2; blowing snow	2	15	Bridges at 160
11/10/2025	9:51	10:24	AWAR KM 68	300 m-1 km	0	Precipitation: 0; poor visibility	2	10	0
11/11/2025	11:48	12:15	AWAR KM 45	1-1.5 km	0	Precipitation: 0; cloudy	2	10	0
11/11/2025	12:29	12:45	Haul Road KM 161	300 m-1 km	0	Precipitation: Yes; snow and wind	1	15	Bridge
11/12/2025	8:37	9:11	AWAR KM 82	300 m-1 km	0	Precipitation: Light snow, overcast, windy, and very light snow	0	10	None
11/13/2025	10:51	11:26	Haul Road KM 139	300 m-1 km	0	Precipitation: Yes; light snow	2	15	Bridge
11/13/2025	13:35	14:09	AWAR KM 28	100-300 m	1	Precipitation: 0	2	10	0
11/25/2025	11:39	12:22	AWAR KM 59	300 m-1 km	3	Precipitation: 0; sunny	2	10	0
11/27/2025	9:58	9:58	AWAR KM 70	300 m-1 km	0	Precipitation: 0; clear, no precipitation	1	10	0
12/5/2025	14:28	14:58	Haul Road KM 120	100-300 m	0	Precipitation: 0; cloudy, blowing snow	2	10	None
12/15/2025	14:14	14:49	Haul Road KM 171	300 m-1 km	7	Precipitation: 0	2	10	0
12/16/2025	14:20	15:04	Haul Road KM 171	300 m-1 km	7	Precipitation: 0; cloudy, windy	3	15	None
12/25/2025	10:40	11:10	Haul Road KM 148	100-300 m	5	Precipitation: 0; cloudy, windy	5	15	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)
5/16/2025	7:40	7:56	AWAR KM 92	300 m-1 km	0	0	0	3	0	0	0	0	0	3	0	0
5/17/2025	9:59	10:30	AWAR KM 22	1-1.5 km	0	0	0	2	0	0	0	0	0	2	0	0
5/19/2025	15:31	16:00	AWAR KM 73	300 m-1 km	0	0	0	1	0	0	0	0	0	1	0	0
5/20/2025	9:55	10:15	AWAR KM 43	1-1.5 km	0	0	2	0	0	0	0	0	1	1	0	0
5/20/2025	10:15	10:45	AWAR KM 42	1-1.5 km	0	0	0	32	0	0	0	0	0	32	0	0
4/26/2025	11:45	12:21	Haul Road KM 149	300 m-1 km	14	0	0	0	0	0	12	3	0	0	0	0
4/26/2025	13:04	13:19	Haul Road KM 135	100-300 m	12	0	0	0	0	0	12	0	0	0	0	0
4/5/2025	11:02	11:37	Haul Road KM 121	1-1.5 km	0	30	70	100	0	0	0	30	70	100	0	0
10/22/2025	11:13	11:40	Haul Road KM 130	300 m-1 km	1	0	0	0	0	0	0	0	0	1	0	0
10/31/2025	13:48	14:20	Haul Road KM 147	>1.5 km	50	0	0	12	0	0	60	0	0	2	0	0
10/31/2025	14:20	14:50	Haul Road KM 147	300 m-1 km	14	6	0	0	0	0	20	0	0	0	0	0
11/1/2025	13:36	14:06	Haul Road KM 129	100-300 m	15	9	0	0	0	0	17	7	0	0	0	0
11/2/2025	9:10	9:46	Haul Road KM 146	300 m-1 km	8	0	0	0	0	0	8	0	0	0	0	0
11/4/2025	15:33	16:12	Haul Road KM 159	300 m-1 km	67	15	0	18	0	0	82	5	0	13	0	0
11/5/2025	13:55	14:26	AWAR KM 73	100-300 m	10	0	3	0	3	0	5	0	7	4	0	0
11/5/2025	14:36	15:06	AWAR KM 74	300 m-1 km	6	0	0	1	0	0	5	0	1	0	0	1
11/5/2025	8:53	9:23	Haul Road KM 128	100-300 m	0	0	0	0	0	9	9	0	0	0	0	0
11/6/2025	9:27	9:57	AWAR KM 87	100-300 m	2	1	0	0	0	0	2	1	0	0	0	0
11/7/2025	10:10	10:43	Haul Road KM 160	300 m-1 km	43	0	0	0	0	0	43	0	0	0	0	0
11/7/2025	10:06	10:36	AWAR KM 75	100-300 m	0	0	1	0	0	0	0	0	1	0	0	0
11/8/2025	9:35	10:05	AWAR KM 77	300 m-1 km	6	0	0	0	0	0	6	0	0	0	0	0
11/9/2025	12:15	12:45	AWAR KM 82	300 m-1 km	0	0	0	20	0	0	0	0	0	20	0	0
11/10/2025	13:43	14:15	Haul Road KM 161	300 m-1 km	33	0	0	0	0	0	32	0	0	1	0	0
11/10/2025	9:51	10:24	AWAR KM 68	300 m-1 km	6	0	1	0	0	0	4	2	1	0	0	0
11/11/2025	11:48	12:15	AWAR KM 45	1-1.5 km	0	0	0	2	0	0	0	0	0	2	0	0
11/11/2025	12:29	12:45	Haul Road KM 161	300 m-1 km	0	0	0	1	0	0	0	0	0	0	1	0
11/12/2025	8:37	9:11	AWAR KM 82	300 m-1 km	23	0	0	50	0	0	39	1	0	33	0	0
11/13/2025	10:51	11:26	Haul Road KM 139	300 m-1 km	1	0	0	0	0	0	0	0	0	0	1	0
11/13/2025	13:35	14:09	AWAR KM 28	100-300 m	2	0	0	0	0	0	2	0	0	0	0	0
11/25/2025	11:39	12:22	AWAR KM 59	300 m-1 km	0	0	0	19	0	1	0	0	0	20	0	0
11/27/2025	9:58	9:58	AWAR KM 70	300 m-1 km	0	0	0	10	0	0						
12/5/2025	14:28	14:58	Haul Road KM 120	100-300 m	2	0	0	0	0	0	2	0	0	0	0	0
12/15/2025	14:14	14:49	Haul Road KM 171	300 m-1 km	305	0	0	0	0	0	233	72	0	0	0	0
12/16/2025	14:20	15:04	Haul Road KM 171	300 m-1 km	0	0	0	0	0	36	35	0	0	0	0	60
12/25/2025	10:40	11:10	Haul Road KM 148	100-300 m	48	0	0	0	0	0	48	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)	Alert (9 Minutes)	Trotting (9 Minutes)
5/16/2025	7:40	7:56	AWAR KM 92	300 m-1 km	0	0	0	3	0	0	0	0	0	1	0	0
5/17/2025	9:59	10:30	AWAR KM 22	1-1.5 km	0	0	0	2	0	0	0	0	0	2	0	0
5/19/2025	15:31	16:00	AWAR KM 73	300 m-1 km	0	0	0	0	0	0	0	0	0	0	0	0
5/20/2025	9:55	10:15	AWAR KM 43	1-1.5 km	0	0	0	2	0	0	0	0	0	2	0	0
5/20/2025	10:15	10:45	AWAR KM 42	1-1.5 km	0	0	0	32	0	0	0	0	0	32	0	0
4/26/2025	11:45	12:21	Haul Road KM 149	300 m-1 km	8	6	0	0	0	0	10	4	0	0	0	0
4/26/2025	13:04	13:19	Haul Road KM 135	100-300 m	12	0	0	0	0	0	12	0	0	0	0	0
4/5/2025	11:02	11:37	Haul Road KM 121	1-1.5 km	0	30	100	70	0	0	0	30	155	15	0	0
10/22/2025	11:13	11:40	Haul Road KM 130	300 m-1 km	0	0	0	1	0	0	1	0	0	0	0	0
10/31/2025	13:48	14:20	Haul Road KM 147	>1.5 km	55	0	0	7	0	0	60	0	0	1	1	0
10/31/2025	14:20	14:50	Haul Road KM 147	300 m-1 km	20	0	0	0	0	0	20	0	0	0	0	0
11/1/2025	13:36	14:06	Haul Road KM 129	100-300 m	24	0	0	0	0	0	4	0	0	20	0	0
11/2/2025	9:10	9:46	Haul Road KM 146	300 m-1 km	8	0	0	0	0	0	3	2	0	0	0	0
11/4/2025	15:33	16:12	Haul Road KM 159	300 m-1 km	79	6	15	0	0	0	86	4	0	10	0	0
11/5/2025	13:55	14:26	AWAR KM 73	100-300 m	1	4	8	2	1	0	4	8	0	4	0	0
11/5/2025	14:36	15:06	AWAR KM 74	300 m-1 km	3	2	0	2	0	0	4	1	0	2	0	0
11/5/2025	8:53	9:23	Haul Road KM 128	100-300 m	9	0	0	0	0	0	9	0	0	0	0	0
11/6/2025	9:27	9:57	AWAR KM 87	100-300 m	0	3	0	0	0	0	0	3	0	0	0	0
11/7/2025	10:10	10:43	Haul Road KM 160	300 m-1 km	43	0	0	0	0	0	43	0	0	0	0	0
11/7/2025	10:06	10:36	AWAR KM 75	100-300 m	0	0	1	0	0	0	1	0	0	0	0	0
11/8/2025	9:35	10:05	AWAR KM 77	300 m-1 km	4	0	0	2	0	0	3	0	3	0	0	0
11/9/2025	12:15	12:45	AWAR KM 82	300 m-1 km	0	0	0	20	0	0	0	0	0	20	0	0
11/10/2025	13:43	14:15	Haul Road KM 161	300 m-1 km	31	0	0	2	0	0	29	0	0	3	1	0
11/10/2025	9:51	10:24	AWAR KM 68	300 m-1 km	3	3	1	0	0	0	2	5	0	0	0	0
11/11/2025	11:48	12:15	AWAR KM 45	1-1.5 km	0	0	0	2	0	0	0	0	0	2	0	0
11/11/2025	12:29	12:45	Haul Road KM 161	300 m-1 km	0	0	0	0	1	0	0	0	0	0	0	0
11/12/2025	8:37	9:11	AWAR KM 82	300 m-1 km	149	1	0	7	0	0	139	0	0	18	0	0
11/13/2025	10:51	11:26	Haul Road KM 139	300 m-1 km	0	0	0	0	1	0	1	0	0	0	0	0
11/13/2025	13:35	14:09	AWAR KM 28	100-300 m	1	0	1	0	0	0	2	0	0	0	0	0
11/25/2025	11:39	12:22	AWAR KM 59	300 m-1 km	0	8	0	12	0	0	0	11	9	0	0	0
11/27/2025	9:58	9:58	AWAR KM 70	300 m-1 km												
12/5/2025	14:28	14:58	Haul Road KM 120	100-300 m	2	0	0	0	0	0	2	0	0	0	0	0
12/15/2025	14:14	14:49	Haul Road KM 171	300 m-1 km	305	0	0	0	0	0	230	0	75	0	0	0
12/16/2025	14:20	15:04	Haul Road KM 171	300 m-1 km	50	0	0	74	0	0	100	0	0	24	0	0
12/25/2025	10:40	11:10	Haul Road KM 148	100-300 m	48	0	0	0	0	0	48	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)
5/16/2025	7:40	7:56	AWAR KM 92	300 m-1 km	0	0	0	1	0	0					
5/17/2025	9:59	10:30	AWAR KM 22	1-1.5 km	0	0	0	2	0	0	0	0	0	2	0
5/19/2025	15:31	16:00	AWAR KM 73	300 m-1 km	0	0	0	1	0	0	0	0	0	1	0
5/20/2025	9:55	10:15	AWAR KM 43	1-1.5 km	0	0	0	2	0	0	0	0	0	2	0
5/20/2025	10:15	10:45	AWAR KM 42	1-1.5 km	0	0	0	32	0	0	0	0	0	32	0
4/26/2025	11:45	12:21	Haul Road KM 149	300 m-1 km	0	0	0	0	0	0	9	5	0	0	0
4/26/2025	13:04	13:19	Haul Road KM 135	100-300 m	12	0	0	0	0	0					
4/5/2025	11:02	11:37	Haul Road KM 121	1-1.5 km	0	30	155	15	0	0	0	30	155	15	0
10/22/2025	11:13	11:40	Haul Road KM 130	300 m-1 km	1	0	0	0	0	0	1	0	0	0	0
10/31/2025	13:48	14:20	Haul Road KM 147	>1.5 km	50	2	0	10	0	0	62	0	0	0	0
10/31/2025	14:20	14:50	Haul Road KM 147	300 m-1 km	20	0	0	0	0	0	20	0	0	0	0
11/1/2025	13:36	14:06	Haul Road KM 129	100-300 m	24	0	0	0	0	0	4	0	0	20	0
11/2/2025	9:10	9:46	Haul Road KM 146	300 m-1 km	1	0	0	1	0	0	1	0	0	0	0
11/4/2025	15:33	16:12	Haul Road KM 159	300 m-1 km	89	7	0	4	0	0	83	4	4	9	0
11/5/2025	13:55	14:26	AWAR KM 73	100-300 m	3	13	0	0	0	0	1	15	0	0	0
11/5/2025	14:36	15:06	AWAR KM 74	300 m-1 km	6	1	0	0	0	0	1	0	0	6	0
11/5/2025	8:53	9:23	Haul Road KM 128	100-300 m	9	0	0	0	0	0	9	0	0	0	0
11/6/2025	9:27	9:57	AWAR KM 87	100-300 m	0	3	0	0	0	0	0	3	0	0	0
11/7/2025	10:10	10:43	Haul Road KM 160	300 m-1 km	43	0	0	0	0	0	43	0	0	0	0
11/7/2025	10:06	10:36	AWAR KM 75	100-300 m	1	0	0	0	0	0	0	0	0	1	0
11/8/2025	9:35	10:05	AWAR KM 77	300 m-1 km	6	0	0	0	0	0	6	0	0	0	0
11/9/2025	12:15	12:45	AWAR KM 82	300 m-1 km	0	0	0	20	0	0	0	0	0	20	0
11/10/2025	13:43	14:15	Haul Road KM 161	300 m-1 km	39	1	0	2	0	0	39	3	0	0	0
11/10/2025	9:51	10:24	AWAR KM 68	300 m-1 km	1	6	0	0	0	0	0	6	0	0	1
11/11/2025	11:48	12:15	AWAR KM 45	1-1.5 km	0	0	0	2	0	0	0	0	0	2	0
11/11/2025	12:29	12:45	Haul Road KM 161	300 m-1 km	0	0	0	0	0	0	0	0	0	0	0
11/12/2025	8:37	9:11	AWAR KM 82	300 m-1 km	148	174	0	9	0	0	165	1	0	15	0
11/13/2025	10:51	11:26	Haul Road KM 139	300 m-1 km	1	0	0	0	0	0	1	0	0	0	0
11/13/2025	13:35	14:09	AWAR KM 28	100-300 m	1	0	1	0	0	0	0	0	0	2	0
11/25/2025	11:39	12:22	AWAR KM 59	300 m-1 km	0	20	0	0	0	0	0	5	0	15	0
11/27/2025	9:58	9:58	AWAR KM 70	300 m-1 km											
12/5/2025	14:28	14:58	Haul Road KM 120	100-300 m	2	0	0	0	0	0	2	0	0	0	0
12/15/2025	14:14	14:49	Haul Road KM 171	300 m-1 km	305	0	0	0	0	0	240	65	0	0	0
12/16/2025	14:20	15:04	Haul Road KM 171	300 m-1 km	106	0	0	18	0	0	116	0	0	8	0
12/25/2025	10:40	11:10	Haul Road KM 148	100-300 m	48	0	0	0	0	0	48	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Trotting (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)
5/16/2025	7:40	7:56	AWAR KM 92	300 m-1 km											
5/17/2025	9:59	10:30	AWAR KM 22	1-1.5 km	0	0	0	0	2	0	0	0	0	0	2
5/19/2025	15:31	16:00	AWAR KM 73	300 m-1 km	0	0	0	0	1	0	0	2	0	0	0
5/20/2025	9:55	10:15	AWAR KM 43	1-1.5 km	0	0	0	0	2	0	0	0	0	0	2
5/20/2025	10:15	10:45	AWAR KM 42	1-1.5 km	0	0	0	0	32	0	0	0	0	0	32
4/26/2025	11:45	12:21	Haul Road KM 149	300 m-1 km	0	10	4	0	0	0	0	8	6	0	0
4/26/2025	13:04	13:19	Haul Road KM 135	100-300 m											
4/5/2025	11:02	11:37	Haul Road KM 121	1-1.5 km	0	0	30	155	15	0	0	70	100	0	30
10/22/2025	11:13	11:40	Haul Road KM 130	300 m-1 km	0	1	0	0	0	0	0	1	0	0	0
10/31/2025	13:48	14:20	Haul Road KM 147	>1.5 km	0	47	0	0	15	0	0	55	0	0	7
10/31/2025	14:20	14:50	Haul Road KM 147	300 m-1 km	0	20	0	0	0	0	0	20	0	0	0
11/1/2025	13:36	14:06	Haul Road KM 129	100-300 m	0	4	0	0	20	0	0	8	0	0	16
11/2/2025	9:10	9:46	Haul Road KM 146	300 m-1 km	0	1	0	0	0	0	0	0	1	0	0
11/4/2025	15:33	16:12	Haul Road KM 159	300 m-1 km	0	81	8	4	6	0	1	83	4	3	10
11/5/2025	13:55	14:26	AWAR KM 73	100-300 m	0	0	16	0	0	0	0	1	15	0	0
11/5/2025	14:36	15:06	AWAR KM 74	300 m-1 km	0	0	0	0	0	0	7	0	0	2	0
11/5/2025	8:53	9:23	Haul Road KM 128	100-300 m	0	9	0	0	0	0	0	9	0	0	0
11/6/2025	9:27	9:57	AWAR KM 87	100-300 m	0	0	3	0	0	0	0	0	3	0	0
11/7/2025	10:10	10:43	Haul Road KM 160	300 m-1 km	0	43	0	0	0	0	0	43	0	0	0
11/7/2025	10:06	10:36	AWAR KM 75	100-300 m	0	0	0	0	0	0	1	1	0	0	0
11/8/2025	9:35	10:05	AWAR KM 77	300 m-1 km	0	3	1	0	2	0	0	2	2	2	0
11/9/2025	12:15	12:45	AWAR KM 82	300 m-1 km	0	0	0	0	20	0	0	0	0	0	20
11/10/2025	13:43	14:15	Haul Road KM 161	300 m-1 km	0	39	2	1	0	0	0	44	3	0	0
11/10/2025	9:51	10:24	AWAR KM 68	300 m-1 km	0	6	0	0	0	1	0	1	4	1	0
11/11/2025	11:48	12:15	AWAR KM 45	1-1.5 km	0	0	0	0	2	0	0	0	0	0	2
11/11/2025	12:29	12:45	Haul Road KM 161	300 m-1 km	0										
11/12/2025	8:37	9:11	AWAR KM 82	300 m-1 km	2	169	0	5	9	0	0	148	0	0	35
11/13/2025	10:51	11:26	Haul Road KM 139	300 m-1 km	0	1	0	0	0	0	0	1	0	0	0
11/13/2025	13:35	14:09	AWAR KM 28	100-300 m	0	2	0	0	0	0	0	2	0	0	0
11/25/2025	11:39	12:22	AWAR KM 59	300 m-1 km	0	0	2	0	18	0	0	0	0	0	20
11/27/2025	9:58	9:58	AWAR KM 70	300 m-1 km											
12/5/2025	14:28	14:58	Haul Road KM 120	100-300 m	0	2	0	0	0	0	0	2	0	0	0
12/15/2025	14:14	14:49	Haul Road KM 171	300 m-1 km	0	238	67	0	0	0	0	239	60	0	0
12/16/2025	14:20	15:04	Haul Road KM 171	300 m-1 km	0	80	4	0	0	0	40	79	0	0	5
12/25/2025	10:40	11:10	Haul Road KM 148	100-300 m	0	48	0	0	0	0	0	40	0	0	8

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Alert (21 Minutes)	Trotting (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)
5/16/2025	7:40	7:56	AWAR KM 92	300 m-1 km											
5/17/2025	9:59	10:30	AWAR KM 22	1-1.5 km	0	0	0	0	0	2	0	0	0	0	0
5/19/2025	15:31	16:00	AWAR KM 73	300 m-1 km	0	0	2	0	0	0	0	0	2	0	0
5/20/2025	9:55	10:15	AWAR KM 43	1-1.5 km	0	0	0	0	0	2	0	0	0	0	0
5/20/2025	10:15	10:45	AWAR KM 42	1-1.5 km	0	0	0	0	0	32	0	0	0	0	0
4/26/2025	11:45	12:21	Haul Road KM 149	300 m-1 km	0	0	9	4	0	0	0	0	6	8	0
4/26/2025	13:04	13:19	Haul Road KM 135	100-300 m											
4/5/2025	11:02	11:37	Haul Road KM 121	1-1.5 km	0	0	0	70	100	30	0	0	0	0	150
10/22/2025	11:13	11:40	Haul Road KM 130	300 m-1 km	0	0	0	0	0	1	0	0			
10/31/2025	13:48	14:20	Haul Road KM 147	>1.5 km	0	0	32	0	0	30	0	0	42	0	0
10/31/2025	14:20	14:50	Haul Road KM 147	300 m-1 km	0	0	20	0	0	0	0	0	20	0	0
11/1/2025	13:36	14:06	Haul Road KM 129	100-300 m	0	0	0	0	0	24	0	0	4	0	0
11/2/2025	9:10	9:46	Haul Road KM 146	300 m-1 km	0	0	0	1	0	0	0	0	0	1	0
11/4/2025	15:33	16:12	Haul Road KM 159	300 m-1 km	0	0	89	2	5	4	0	0	94	0	6
11/5/2025	13:55	14:26	AWAR KM 73	100-300 m	0	0	1	15	0	0	0	0	1	15	0
11/5/2025	14:36	15:06	AWAR KM 74	300 m-1 km	5	0	5	0	1	1	0	0	7	0	0
11/5/2025	8:53	9:23	Haul Road KM 128	100-300 m	0	0	9	0	0	0	0	0	3	0	0
11/6/2025	9:27	9:57	AWAR KM 87	100-300 m	0	0	0	3	0	0	0	0	0	3	0
11/7/2025	10:10	10:43	Haul Road KM 160	300 m-1 km	0	0	43	0	0	0	0	0	43	0	0
11/7/2025	10:06	10:36	AWAR KM 75	100-300 m	0	0	0	0	0	1	0	0	0	0	0
11/8/2025	9:35	10:05	AWAR KM 77	300 m-1 km	0	0	4	2	0	0	0	0	4	2	0
11/9/2025	12:15	12:45	AWAR KM 82	300 m-1 km	0	0	0	0	0	20	0	0	0	0	0
11/10/2025	13:43	14:15	Haul Road KM 161	300 m-1 km	0	0	43	4	0	0	0	0	40	4	0
11/10/2025	9:51	10:24	AWAR KM 68	300 m-1 km	1	0	1	5	0	0	1	0	0	2	4
11/11/2025	11:48	12:15	AWAR KM 45	1-1.5 km	0	0	0	0	0	2	0	0	0	0	0
11/11/2025	12:29	12:45	Haul Road KM 161	300 m-1 km											
11/12/2025	8:37	9:11	AWAR KM 82	300 m-1 km	0	0	152	0	7	24	0	0	133	0	25
11/13/2025	10:51	11:26	Haul Road KM 139	300 m-1 km	0	0	1	0	0	0	0	0	0	0	0
11/13/2025	13:35	14:09	AWAR KM 28	100-300 m	0	0	2	0	0	0	0	0	0	0	0
11/25/2025	11:39	12:22	AWAR KM 59	300 m-1 km	0	0	17	0	0	3	0	0	20	0	0
11/27/2025	9:58	9:58	AWAR KM 70	300 m-1 km											
12/5/2025	14:28	14:58	Haul Road KM 120	100-300 m	0	0	2	0	0	0	0	0	2	0	0
12/15/2025	14:14	14:49	Haul Road KM 171	300 m-1 km	6	0	235	31	0	0	39	0	245	0	5
12/16/2025	14:20	15:04	Haul Road KM 171	300 m-1 km	0	0	54	0	0	30	0	0	50	0	0
12/25/2025	10:40	11:10	Haul Road KM 148	100-300 m	0	0	48	0	0	0	0	0	48	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Walking (27 Minutes)	Alert (27 Minutes)	Trotting (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
5/16/2025	7:40	7:56	AWAR KM 92	300 m-1 km									
5/17/2025	9:59	10:30	AWAR KM 22	1-1.5 km	2	0	0	0	0	0	2	0	0
5/19/2025	15:31	16:00	AWAR KM 73	300 m-1 km	0	0	0	2	0	0	0	0	0
5/20/2025	9:55	10:15	AWAR KM 43	1-1.5 km	2	0	0	0	0	0	2	0	0
5/20/2025	10:15	10:45	AWAR KM 42	1-1.5 km	32	0	0	0	0	0	32	0	0
4/26/2025	11:45	12:21	Haul Road KM 149	300 m-1 km	0	0	0	6	8	0	0	0	0
4/26/2025	13:04	13:19	Haul Road KM 135	100-300 m									
4/5/2025	11:02	11:37	Haul Road KM 121	1-1.5 km	50	150	0	0	0	0	200	0	200
10/22/2025	11:13	11:40	Haul Road KM 130	300 m-1 km									
10/31/2025	13:48	14:20	Haul Road KM 147	>1.5 km	20	0	0	84	10	0	30	0	0
10/31/2025	14:20	14:50	Haul Road KM 147	300 m-1 km	0	0	0	20	0	0	0	0	0
11/1/2025	13:36	14:06	Haul Road KM 129	100-300 m	20	0	0	16	0	0	0	0	0
11/2/2025	9:10	9:46	Haul Road KM 146	300 m-1 km	0	0	0	0	1	0	0	0	0
11/4/2025	15:33	16:12	Haul Road KM 159	300 m-1 km	0	0	0	94	0	2	3	0	1
11/5/2025	13:55	14:26	AWAR KM 73	100-300 m	0	0	0	0	16	0	0	0	0
11/5/2025	14:36	15:06	AWAR KM 74	300 m-1 km	0	0	0	6	0	0	1	0	0
11/5/2025	8:53	9:23	Haul Road KM 128	100-300 m	5	0	1	7	0	2	0	0	0
11/6/2025	9:27	9:57	AWAR KM 87	100-300 m	0	0	0	0	3	0	0	0	0
11/7/2025	10:10	10:43	Haul Road KM 160	300 m-1 km	0	0	0	43	0	0	0	0	0
11/7/2025	10:06	10:36	AWAR KM 75	100-300 m	1	0	0	0	0	0	1	0	0
11/8/2025	9:35	10:05	AWAR KM 77	300 m-1 km	0	0	0	4	2	0	0	0	0
11/9/2025	12:15	12:45	AWAR KM 82	300 m-1 km	20	0	0	0	0	0	20	0	0
11/10/2025	13:43	14:15	Haul Road KM 161	300 m-1 km	3	0	0	35	5	0	6	1	0
11/10/2025	9:51	10:24	AWAR KM 68	300 m-1 km	0	1	0	3	2	0	0	2	0
11/11/2025	11:48	12:15	AWAR KM 45	1-1.5 km	2	0	0	0	0	0	2	0	0
11/11/2025	12:29	12:45	Haul Road KM 161	300 m-1 km									
11/12/2025	8:37	9:11	AWAR KM 82	300 m-1 km	20	0	5	160	4	1	17	0	1
11/13/2025	10:51	11:26	Haul Road KM 139	300 m-1 km	0	1	0	1	0	0	0	0	0
11/13/2025	13:35	14:09	AWAR KM 28	100-300 m	0	2	0	0	0	0	0	2	0
11/25/2025	11:39	12:22	AWAR KM 59	300 m-1 km	0	0	0	20	0	0	0	0	0
11/27/2025	9:58	9:58	AWAR KM 70	300 m-1 km									
12/5/2025	14:28	14:58	Haul Road KM 120	100-300 m	0	0	0	2	0	0	0	0	0
12/15/2025	14:14	14:49	Haul Road KM 171	300 m-1 km	55	0	0	80	0	135	90	0	0
12/16/2025	14:20	15:04	Haul Road KM 171	300 m-1 km	4	0	0	54	0	0	0	0	0
12/25/2025	10:40	11:10	Haul Road KM 148	100-300 m	0	0	0	48	0	0	0	0	0

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (0 Minutes)	Disturbance (3 Minutes)	Disturbance (6 Minutes)	Disturbance (9 Minutes)	Disturbance (12 Minutes)	Disturbance (15 Minutes)
5/16/2025	7:40	7:56	AWAR KM 92	300 m-1 km						
5/17/2025	9:59	10:30	AWAR KM 22	1-1.5 km			1	2		
5/19/2025	15:31	16:00	AWAR KM 73	300 m-1 km						
5/20/2025	9:55	10:15	AWAR KM 43	1-1.5 km						
5/20/2025	10:15	10:45	AWAR KM 42	1-1.5 km			2			
4/26/2025	11:45	12:21	Haul Road KM 149	300 m-1 km						
4/26/2025	13:04	13:19	Haul Road KM 135	100-300 m						
4/5/2025	11:02	11:37	Haul Road KM 121	1-1.5 km	1					
10/22/2025	11:13	11:40	Haul Road KM 130	300 m-1 km						
10/31/2025	13:48	14:20	Haul Road KM 147	>1.5 km						
10/31/2025	14:20	14:50	Haul Road KM 147	300 m-1 km						
11/1/2025	13:36	14:06	Haul Road KM 129	100-300 m						
11/2/2025	9:10	9:46	Haul Road KM 146	300 m-1 km						
11/4/2025	15:33	16:12	Haul Road KM 159	300 m-1 km						
11/5/2025	13:55	14:26	AWAR KM 73	100-300 m	1					
11/5/2025	14:36	15:06	AWAR KM 74	300 m-1 km						
11/5/2025	8:53	9:23	Haul Road KM 128	100-300 m						
11/6/2025	9:27	9:57	AWAR KM 87	100-300 m						
11/7/2025	10:10	10:43	Haul Road KM 160	300 m-1 km		2	1		1	
11/7/2025	10:06	10:36	AWAR KM 75	100-300 m						
11/8/2025	9:35	10:05	AWAR KM 77	300 m-1 km						
11/9/2025	12:15	12:45	AWAR KM 82	300 m-1 km						
11/10/2025	13:43	14:15	Haul Road KM 161	300 m-1 km				1	1	1
11/10/2025	9:51	10:24	AWAR KM 68	300 m-1 km						
11/11/2025	11:48	12:15	AWAR KM 45	1-1.5 km						
11/11/2025	12:29	12:45	Haul Road KM 161	300 m-1 km	1					
11/12/2025	8:37	9:11	AWAR KM 82	300 m-1 km						
11/13/2025	10:51	11:26	Haul Road KM 139	300 m-1 km	1		3			
11/13/2025	13:35	14:09	AWAR KM 28	100-300 m		`				
11/25/2025	11:39	12:22	AWAR KM 59	300 m-1 km					2	
11/27/2025	9:58	9:58	AWAR KM 70	300 m-1 km						
12/5/2025	14:28	14:58	Haul Road KM 120	100-300 m			1			1
12/15/2025	14:14	14:49	Haul Road KM 171	300 m-1 km						
12/16/2025	14:20	15:04	Haul Road KM 171	300 m-1 km				1		1
12/25/2025	10:40	11:10	Haul Road KM 148	100-300 m						1

APPENDIX D: DATA FROM CARIBOU BEHAVIOUR SURVEYS, 2020 TO 2025

Date	Start Time	End Time	Road Name and Distance Marker	Distance from Caribou to Observer Location Binned	Disturbance (18 Minutes)	Disturbance (21 Minutes)	Disturbance (24 Minutes)	Disturbance (27 Minutes)	Disturbance (30 Minutes)	Year	Longitude	Latitude	Reconnaissance Survey
5/16/2025	7:40	7:56	AWAR KM 92	300 m-1 km						2025	-96.2242	64.9892	No
5/17/2025	9:59	10:30	AWAR KM 22	1-1.5 km						2025	-96.1067	64.4886	No
5/19/2025	15:31	16:00	AWAR KM 73	300 m-1 km						2025	-96.3247	64.8594	No
5/20/2025	9:55	10:15	AWAR KM 43	1-1.5 km						2025	-96.3053	64.6424	No
5/20/2025	10:15	10:45	AWAR KM 42	1-1.5 km						2025	-96.2937	64.6267	No
4/26/2025	11:45	12:21	Haul Road KM 149	300 m-1 km						2025	-96.4458	65.2242	Yes
4/26/2025	13:04	13:19	Haul Road KM 135	100-300 m						2025	-96.2149	65.2097	Yes
4/5/2025	11:02	11:37	Haul Road KM 121	1-1.5 km				3	3	2025	-96.1025	65.1187	Yes
10/22/2025	11:13	11:40	Haul Road KM 130	300 m-1 km						2025	-96.1589	65.1822	Yes
10/31/2025	13:48	14:20	Haul Road KM 147	>1.5 km						2025	-96.0700	65.0218	Yes
10/31/2025	14:20	14:50	Haul Road KM 147	300 m-1 km						2025	-96.4482	65.2267	No
11/1/2025	13:36	14:06	Haul Road KM 129	100-300 m						2025	-96.2847	65.2265	No
11/2/2025	9:10	9:46	Haul Road KM 146	300 m-1 km						2025	-96.4226	65.2270	No
11/4/2025	15:33	16:12	Haul Road KM 159	300 m-1 km						2025	-96.4138	65.2932	No
11/5/2025	13:55	14:26	AWAR KM 73	100-300 m						2025	-96.3244	64.8696	No
11/5/2025	14:36	15:06	AWAR KM 74	300 m-1 km						2025	-96.3368	64.8802	No
11/5/2025	8:53	9:23	Haul Road KM 128	100-300 m						2025	-96.1508	65.1764	No
11/6/2025	9:27	9:57	AWAR KM 87	100-300 m						2025	-96.2486	64.9516	No
11/7/2025	10:10	10:43	Haul Road KM 160	300 m-1 km	1		1			2025	-96.4123	65.3015	No
11/7/2025	10:06	10:36	AWAR KM 75	100-300 m	1					2025	-96.3417	64.8842	No
11/8/2025	9:35	10:05	AWAR KM 77	300 m-1 km						2025	-96.3405	64.8836	No
11/9/2025	12:15	12:45	AWAR KM 82	300 m-1 km						2025	-96.3031	64.9350	No
11/10/2025	13:43	14:15	Haul Road KM 161	300 m-1 km	1	2	1			2025	-96.4124	65.3064	Yes
11/10/2025	9:51	10:24	AWAR KM 68	300 m-1 km						2025	-96.3301	64.8090	No
11/11/2025	11:48	12:15	AWAR KM 45	1-1.5 km						2025	-96.2970	64.6376	No
11/11/2025	12:29	12:45	Haul Road KM 161	300 m-1 km						2025	-96.4133	65.3073	No
11/12/2025	8:37	9:11	AWAR KM 82	300 m-1 km						2025	-96.3037	64.9351	No
11/13/2025	10:51	11:26	Haul Road KM 139	300 m-1 km	1				1	2025	-96.2743	65.2267	No
11/13/2025	13:35	14:09	AWAR KM 28	100-300 m				2		2025	-96.1680	64.5399	No
11/25/2025	11:39	12:22	AWAR KM 59	300 m-1 km	2	2		1	1	2025	-96.3700	64.7500	Yes
11/27/2025	9:58	9:58	AWAR KM 70	300 m-1 km						2025	-96.3166	64.8367	No
12/5/2025	14:28	14:58	Haul Road KM 120	100-300 m						2025	-96.0668	65.0968	No
12/15/2025	14:14	14:49	Haul Road KM 171	300 m-1 km						2025	-96.5923	65.3559	Yes
12/16/2025	14:20	15:04	Haul Road KM 171	300 m-1 km						2025	-96.6014	65.3681	Yes
12/25/2025	10:40	11:10	Haul Road KM 148	100-300 m		1				2025	-96.6665	65.4016	No

APPENDIX E PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY

FIGURE E-1 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY—2020

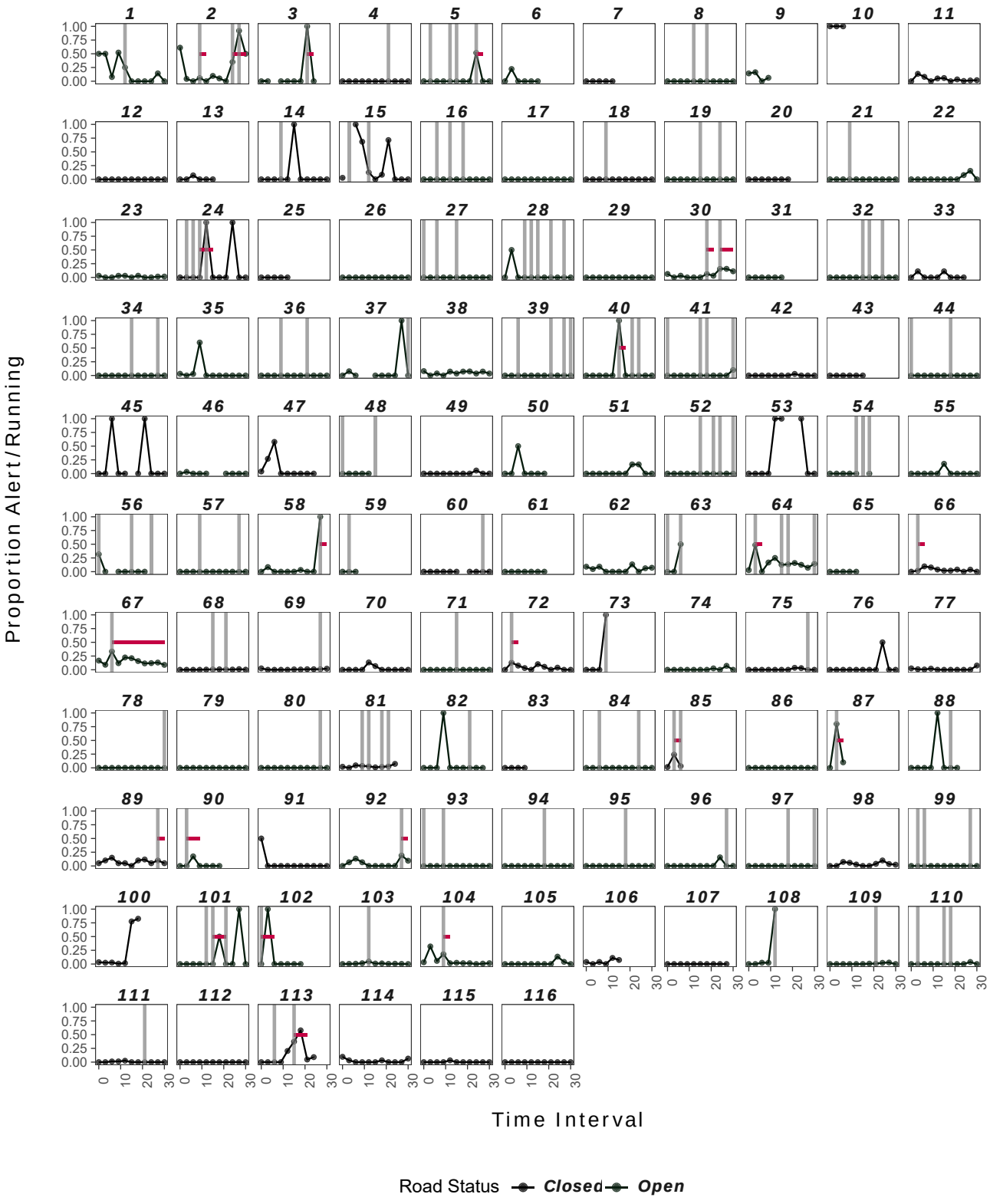


FIGURE E-2 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY—2021

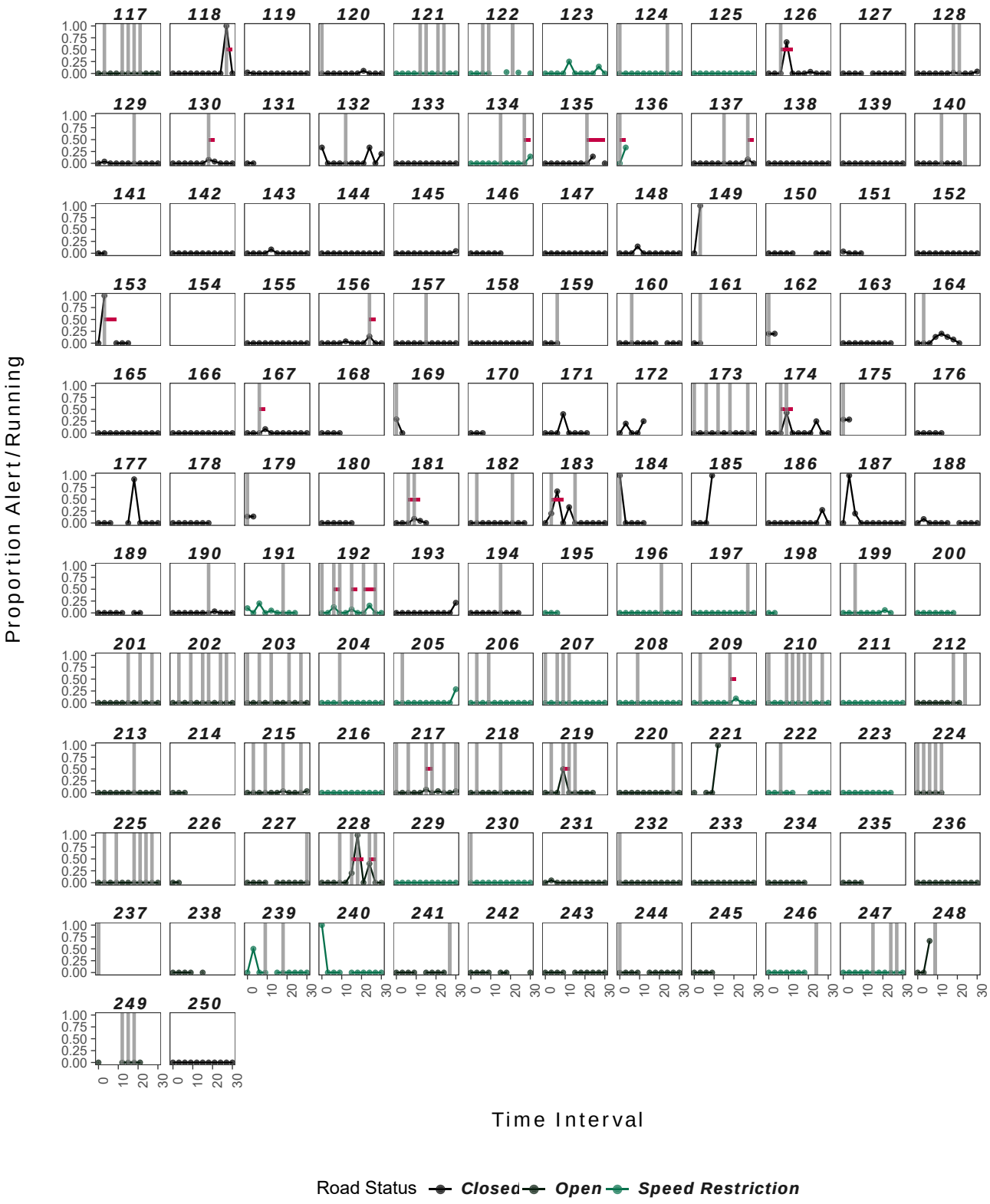
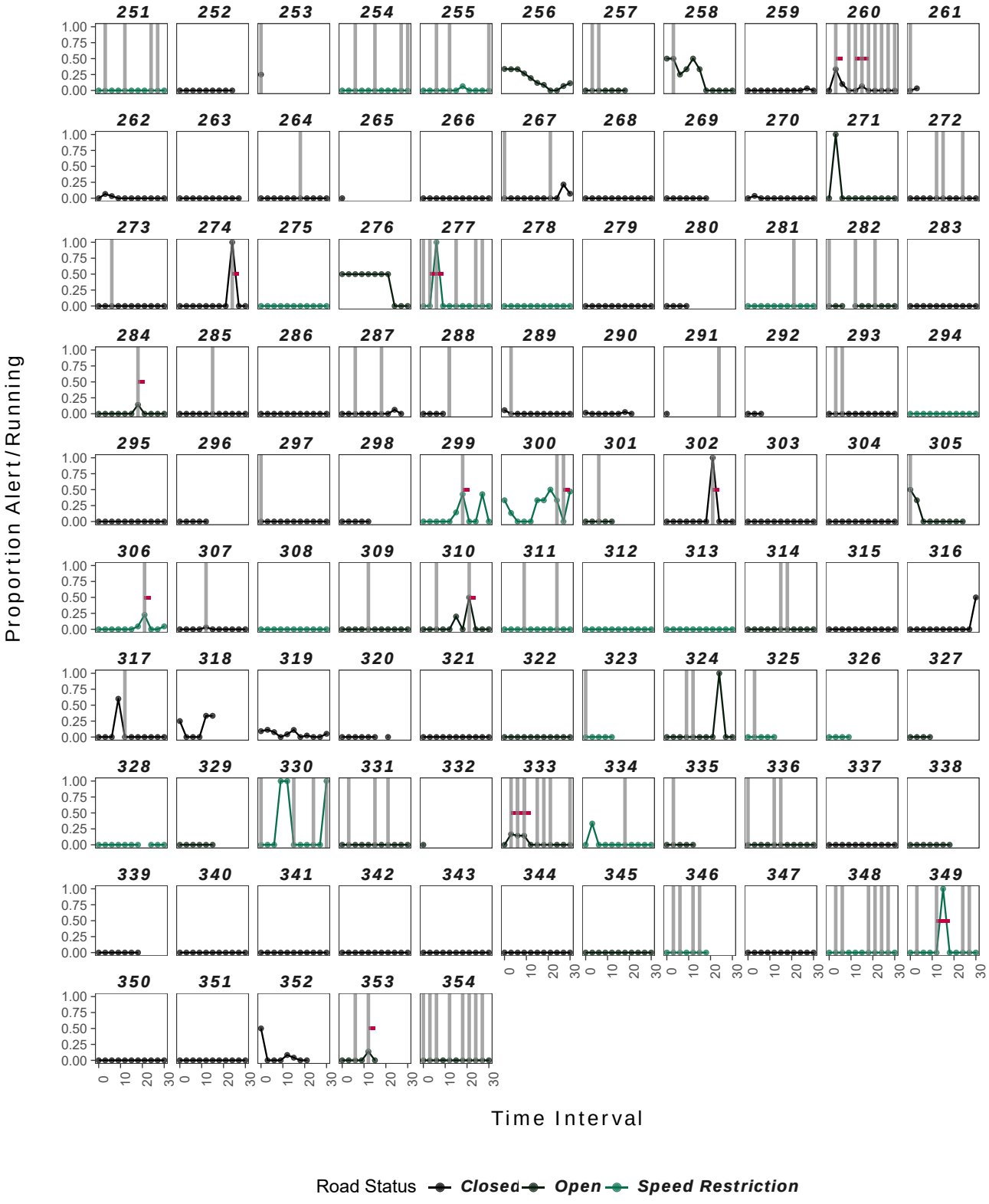


FIGURE E-3 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY—2022



CLIENT: Agnico Eagle Mines Limited
GRAPHICS NUMBER: AGN-26ERM-003:14

FIGURE E-4 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY—2023

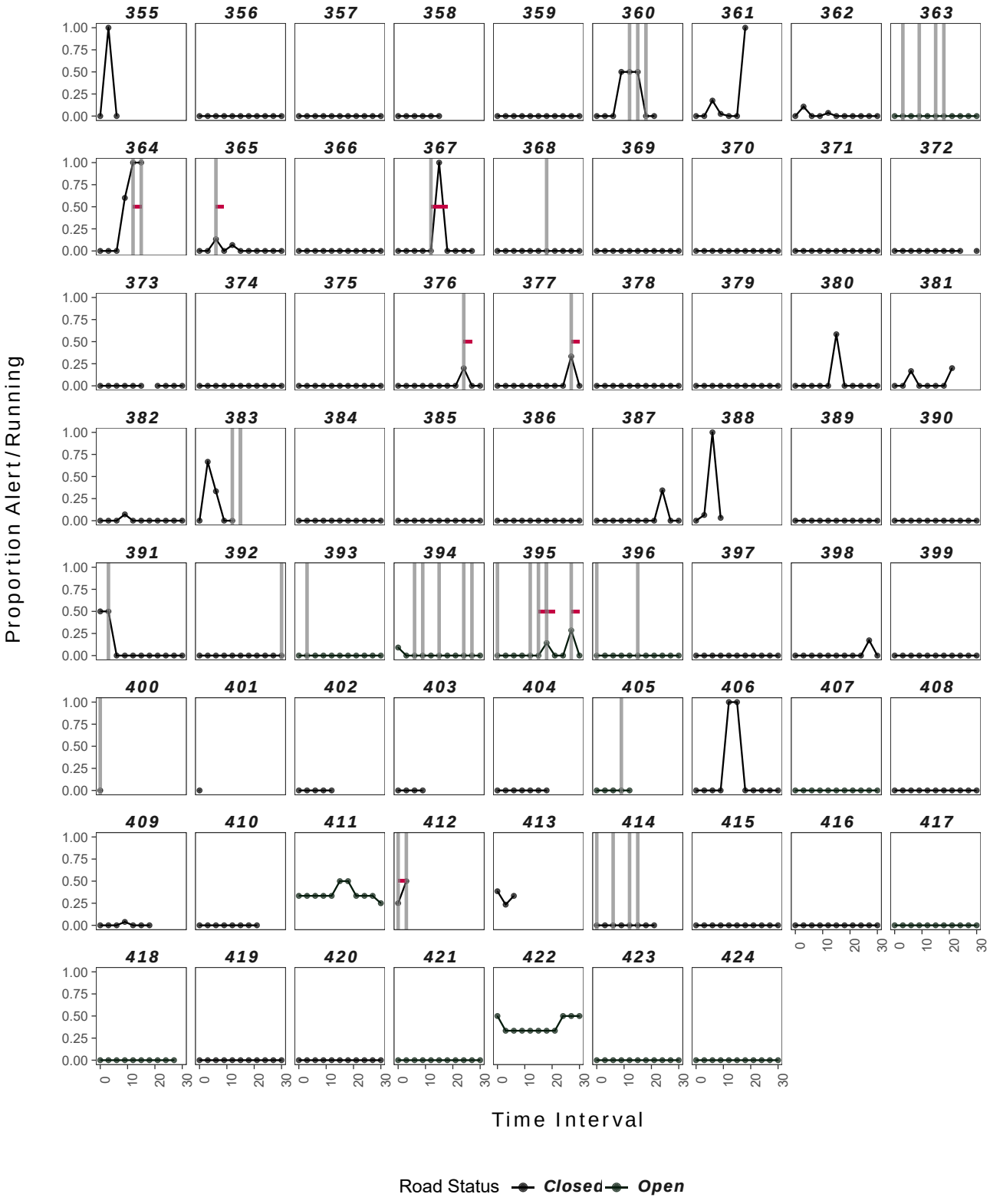


FIGURE E-5 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY—2024

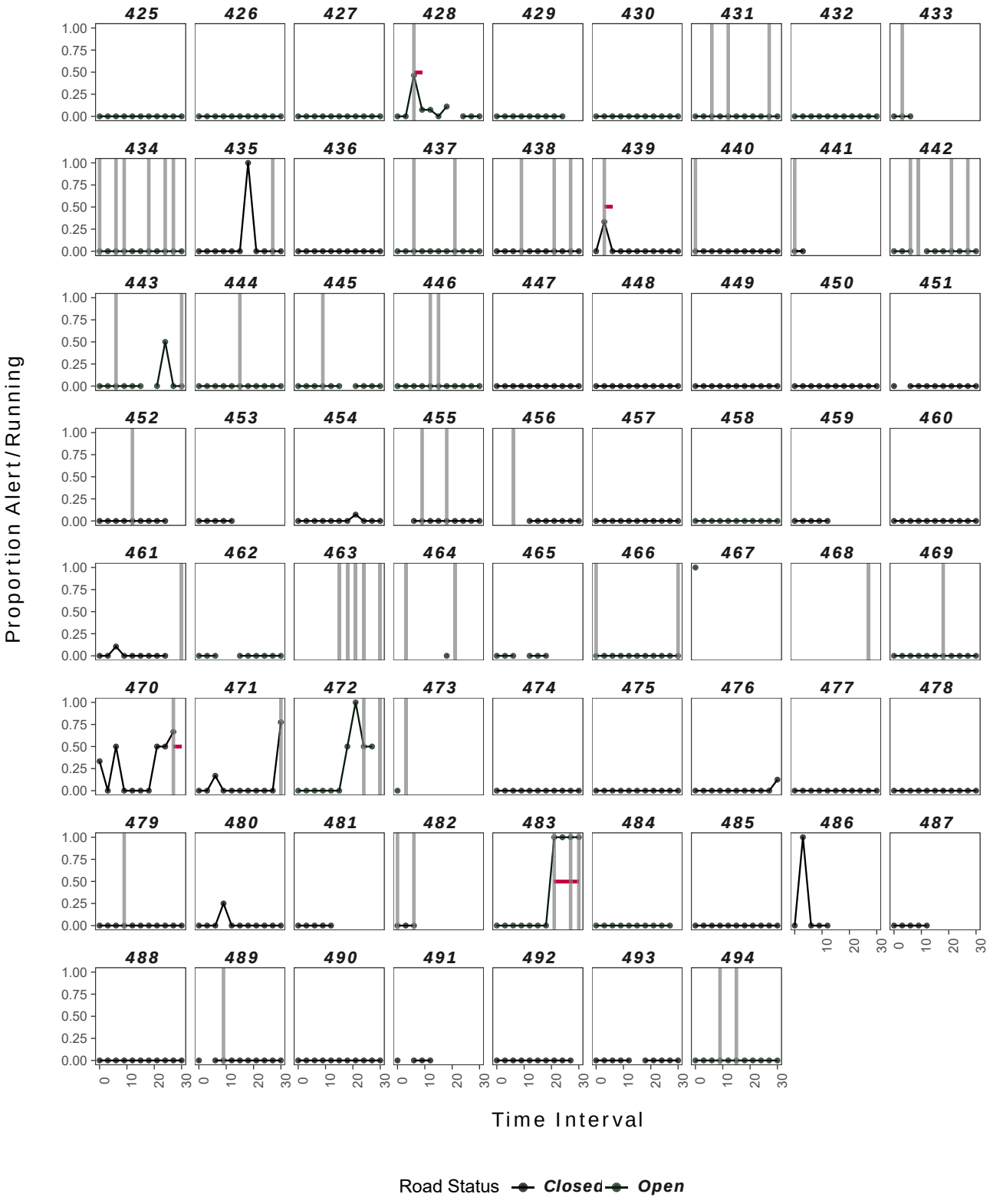
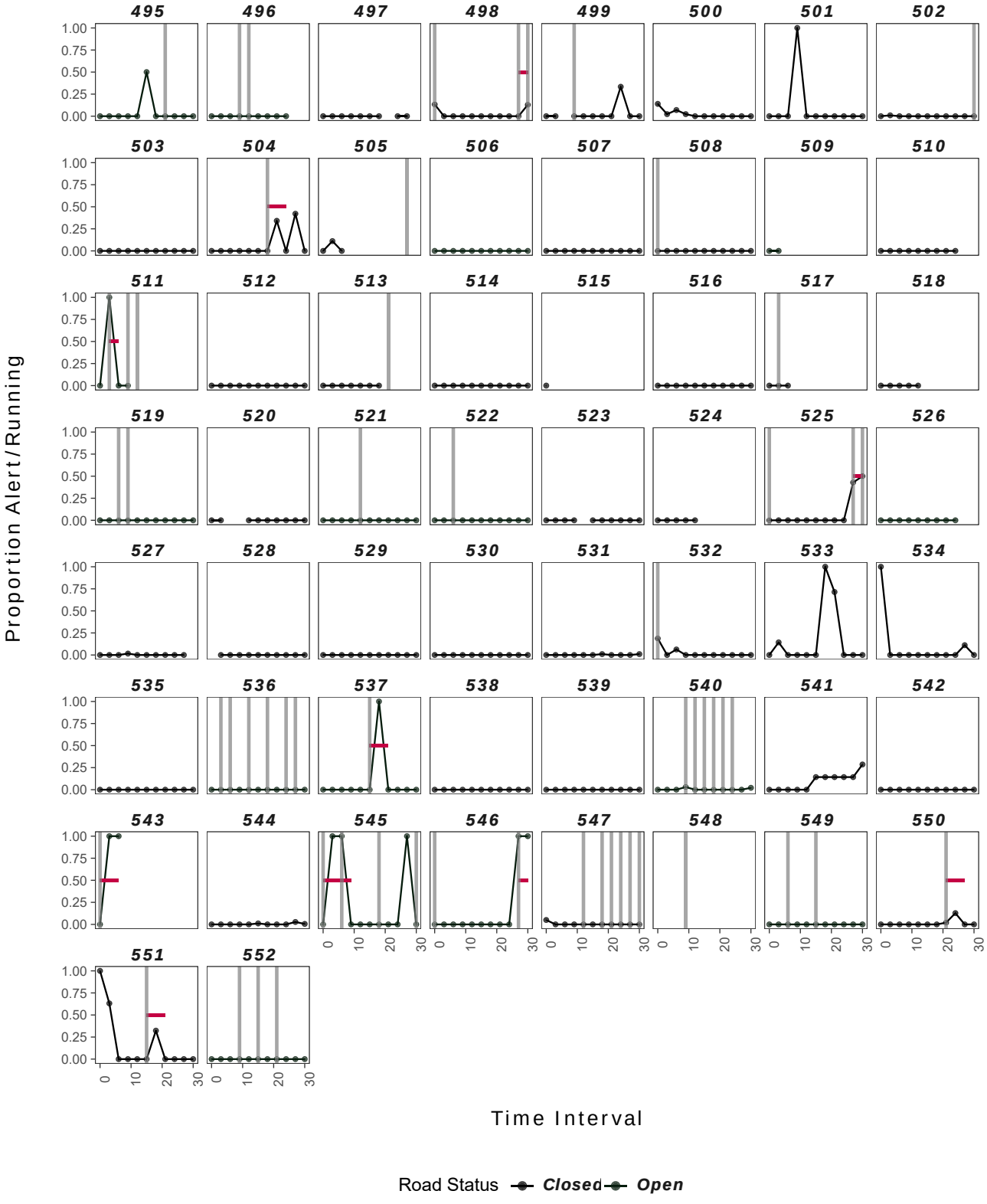


FIGURE E-6 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY—2025





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APPENDIX K

2025 Lead Caribou Assessment

TECHNICAL MEMORANDUM

DATE February 19, 2026 **Project No.** CA0055337.7557_4006_Rev1

TO Eric Haley
Agnico Eagle Mines Limited

CC Robin Allard

FROM Meghan Beale, Dan Coulton **EMAIL meghan.beale@wsp.com**

YEAR TWO OF THE LEAD CARIBOU PILOT PROGRAM: RESULTS FROM THE 2025 SPRING MIGRATION

1.0 INTRODUCTION

Over the past several years, Agnico Eagle Mines Limited (Agnico Eagle) and the Meadowbank Mine's (Mine) Terrestrial Advisory Group (TAG) have been evaluating alternate ways to successfully protect caribou from mine-related effects, including facilitating safe passage across the Whale Tail Haul Road (WTHR) and the All-weather Access Road (AWAR), particularly during spring and fall migration. Currently, road-related mitigation includes the partial and full closure of the WTHR and AWAR ('Mine roads') and the use of vehicle convoys during seasonal migration periods (Agnico Eagle 2019). Road closure mitigation is triggered by exceedance of a caribou group size threshold (GST), which requires frequent road surveys to monitor and record caribou group sizes and assess against the GST. The GST mitigation aims to protect at least 75% of caribou migrating through the Mine area by reducing road disturbances in response to large caribou groups.

Previous work established that groups of migrating caribou tend to be smaller during spring migration compared to fall migration and compared to aggregations during other times of the year (Cameron and Whitten 1979; WSP 2023a, b, c). Inuit Qaujimajatuqangit (IQ) indicates that the main caribou herd typically follows the lead female caribou ("Qiviqait" in Inuktituk [Agnico Eagle 2020]) during migration. Further, studies on caribou group composition indicate that pregnant females lead spring migration, followed by males and non-pregnant females (Cameron and Whitten 1979; Nicholson et al. 2016). Thus, lead caribou traveling through the Mine, in advance of the main migrating herd, may travel in small groups, may not meet the GST to trigger road closure mitigation, and may therefore not be afforded the same protections as larger groups of migrating caribou.

In advance of the 2024 spring migration, Agnico Eagle and the TAG initiated a pilot program to implement road closures in protection of lead caribou groups migrating through the Mine (Agnico Eagle 2023). The primary objective of the lead caribou pilot program was to protect lead caribou and allow the "Qiviqait" to pass through the Mine area with minimized disturbance, which could consequently facilitate the migration of trailing caribou (i.e., subsequent herds) through the Mine area. If road closure facilitates lead caribou migration through the Mine, trailing caribou groups may also migrate through the Mine area faster, which could help to alleviate concerns about the Mine causing migration delays. Additionally, if caribou can migrate through the Mine area faster, the overall impact of Mines disturbances on caribou should be lower. Although these outcomes were not guaranteed, they warranted further exploratory analyses to understand how the lead caribou pilot program could function as a mitigation strategy.

During the 2024 spring migration, lead caribou road closures were implemented for both the AWAR and WTHR. In the first year of the pilot program, the lead caribou road closure was initiated prior to the GST being exceeded for the AWAR and was initiated after the GST was exceeded for the WTHR (WSP 2025). Despite one lead caribou closure occurring prior to the GST being triggered, exploratory analyses for the 2024 spring migration could not confirm that the additional road closure resulted in increased migration speeds (WSP 2025).

This technical memorandum builds upon the exploratory analyses presented for the first year of the lead caribou pilot program (WSP 2025) and presents results from the second year of the pilot program, using an additional year of spring migration data (i.e., from 2025). Figures depicting age-sex composition of lead caribou groups were also included in this technical memorandum, in response to requests made by the TAG during the 18 and 19 September 2025 meeting.

2.0 METHODS

Caribou collar data collected between 2001 and 2025 were used in these analyses. Collar data from 2001 to 2024 had previously been compiled and cleaned in support of other deliverables (WSP 2023a, 2025), and collar data from the spring of 2025 (i.e., until 30 June 2025) were added to these data. Data contained fixes for female caribou from the Ahiak, Beverly, Lorillard, Qamanirjuaq, and Wager Bay herds, as well as collar data from animals not assigned to a herd (designated Northeast Mainland [NEM])(Table 1). The GN reclassified most caribou designated as NEM in 2023 to other herds in 2024 but did not apply this change to 2023 collar data. Collar data for 2023 were updated to reflect the new herd assignments. All data had previously been filtered to remove data with low position accuracy (position accuracy values of “0”, “1”, and “2”, where this information was available); location fixes within 14 days from the first fix (to reduce effects of capture and collaring; e.g., Dechen Quinn et al. 2012; Wilson et al. 2016); cases where two subsequent fixes were within one hour of each other (to reduce positioning uncertainty); and collars with stationary relocation time series (i.e., caribou mortality, collar fell off). Data were also constrained to the spring (i.e., 1 April – 25 May, inclusive) for each year. Data were compiled and analysed using *R* version 4.3.3 (R Core Team 2024). Data used in figures and analyses are summarized in Table 1.

To understand the effects of lead caribou road closures on caribou movement, analyses reported herein focused on collared individuals that came within 17 km west and 2.6 km east of the AWAR and WTHR roads (Boulanger et al. 2024), hereafter referred to as the study area. These distances west and east of the Mine roads were selected based on the potential spatial influence of Mine roads on caribou movement as suggested by Boulanger et al. (2024). The number of days between the arrival of the first collared caribou (i.e., day = 0) and the arrival of subsequent collared caribou in that year was calculated to examine interactions with closed roads across years. The number of individuals that were near a closed road at their closest GPS fix to the Mine roads was compared, with 2025 as the reference category.

The time it took collared caribou to traverse the 17 km west of the Mine roads and 2.6 km east of the Mine roads was analysed by calculating speed between subsequent collar fixes. Fix rates differed by year (mode fix rate = 120 hours from 2001 to 2004; 24 hours from 2005 to 2012; 6 hours from 2013 to 2015; 4 hours from 2016 to 2025). Despite these different fix rates, retain data were retained across years to facilitate inter-year comparisons. Using the *move2* package (Kranstauber et al. 2024) in *R* (R Core team 2024), existing trajectories were used to extrapolate collar fixes at 10-minute intervals, which created a standard set of data points for all caribou that interacted with Mine roads, regardless of fix rate. From these extrapolated time points, the fix closest

to 17 km west of the Mine roads, the fix closest to the Mine roads, and the fix closest to 2.6 km east of the Mine roads were identified and retained for further analyses. This method allowed all caribou to have three common fix locations irrespective of different collar fix rates.

Speed from 17 km west to 2.6 km east of Mine roads was then calculated using two of these fixes (i.e., the time it took each caribou to traverse 19.6 km), and all three fixes were used to calculate the speeds on the west and east sides of the Mine roads separately (from 17 km west to the Mine roads, and from the Mine roads to 2.6 km east). Speed through study area was calculated for all years where sufficient data were available and years were separated into four time frames: Baseline (before Mine roads were built; 2001–2006), Operation (when only AWAR was operating; 2009–2016), Operation (when both AWAR and WTHR were operating; 2018–2023), and lead caribou closure (during lead caribou pilot program in 2024 and 2025). A generalized linear model with a gamma distribution was used to assess speed differences across the three time periods. In all models, if there was more than one fix per caribou, a random intercept for caribou-year was included. Because gamma models require values greater than zero, a small increment (i.e., 0.001) was added to all zero speeds to facilitate model estimation.

Road survey counts of caribou were compiled for 2025, then combined with previously compiled road survey count data from 2018–2024 (WSP 2025). Combined data were used to calculate when migration through the study area occurred each year. The migration end point was defined as the number of days it took to observe 95% of caribou. To quantify uncertainty around the end of migration, bootstrapped confidence intervals were calculated for the number of days it took to observe 95% of caribou. When these confidence intervals do not overlap, it can be considered evidence that there is a difference between years (Efron 1979). The size of caribou counts across years were tested using a generalized linear model with a negative binomial distribution. Odds ratios (OR) were reported, where OR > 1 indicates that the outcome is more likely compared to a reference level (e.g., larger counts were more likely in 2023 compared to 2024) and an OR < 1 indicates that the outcome is less likely (e.g., larger counts were less likely in 2022 compared to 2024).

Lastly, figures were created to depict the 2025 lead caribou closure in relation to group sizes observed during road surveys, as well as the age-sex composition of groups that reached the AWAR and WTHR as part of the first 5% of caribou observed during 2025 road surveys.

3.0 RESULTS

3.1 Telemetry Dataset

Table 1 summarizes data used for each figure and the corresponding analysis. Shaded cells indicate that data was not used due to poor quality, low relevance, or because none existed for that year. One collar was removed from 2024 and 2025 for visualizing trajectories (Figure 1) due to fixes far east of the roads.

Table 1: Sample Sizes in Collars or Caribou Counts for Each Figure and Associated Analysis

Year	Total Collars in Dataset	Figure 1[(a)]	Figure 2[(a)]	Figure 3A	Figure 3B	Figures 4 & 5[(a)]
2001	24			1	1	
2002	22			0	0	
2003	30			0	0	
2004	36			0	0	
2005	22			3	4	
2006	30			0	0	
2007	19			0	0	
2008	21			0	0	
2009	31			1	1	
2010	28			2	3	
2011	56			1	4	
2012	29		5	4	4	
2013	54		2	1	1	
2014	35		1	1	1	
2015	55		1	1	1	
2016	74		6	5	5	
2017	96		0	0	0	
2018	94		17	9	10	6,460
2019	102	102	13	10	10	73,308
2020	72	72	3	1	1	15,955
2021	45	45	3	3	3	25,210
2022	26	26	0	0	0	5,324
2023	118	118	18	14	14	65,916
2024	116	115	4	2	2	23,438
2025	86	86	8	13	13	35,082

Note(s):
Shaded cells indicate that data were either removed due to low quality, low relevance, or because data did not exist for that year.

3.2 Spring Migration in 2025

During the 2025 spring migration, 13 collared caribou approached the Mine roads (shown in yellow with black outline; Figure 1), which is higher than in 2024 when only four collared caribou approached the Mine roads (WSP 2025). Of these 13 collared caribou, 8 collared caribou from Lorillard (*n* = 4) and Wager Bay (*n* = 4) herds directly crossed the Mine roads (*n* = 6 crossed AWAR; *n* = 2 crossed WTHR). The remaining 5 collared caribou traversed the study area to the north of the WTHR and did not cross the Mine roads; these 5 collared caribou were from the Ahiak (*n* = 1), Beverly (*n* = 1), Lorillard (*n* = 2), and Wager Bay (*n* = 1) herds.

The 2025 spring migration was similar to the 2019 spring migration when 7 collared caribou from the Lorillard (*n* = 3) and Wager Bay (*n* = 4) herds crossed Mine roads. In past years, collared Ahiak caribou have interacted with Mine roads (i.e., *n* = 2 caribou in 2023 and *n* = 1 caribou in 2024) but only one collared Ahiak caribou came into the study area in 2025 and moved north of the Mine roads (Figure 1). Fewer collared caribou interacted with

the Mine roads in 2025 compared to 2023, when 16 collared caribou from the Ahiak (n = 2), Lorillard (n = 4), Wager Bay (n = 8), Qamanirjuaq (n = 1), and NEM (n = 1) caribou interacted with Mine roads. In summary, spring migration patterns have differed over the last seven years in both the number and composition of collared caribou entering the study area and crossing Mine roads.

3.3 Collared Caribou Road Interactions

In recent years, the first collared caribou to approach Mine roads have encountered closed roads, as indicated by green dots along the x-axis of Figure 2 in all years except 2021. Caribou did not interact with Mine roads in 2017 or 2022. In 2025, collared caribou approached Mine roads within a 35-day period, with most (77%) of collared caribou approaching Mine roads within 12 days. There was no difference in the proportion of collared caribou that approached a closed road in 2020 ($\beta = -1.61$; $\chi^2 = 1.39$; $p = 0.24$), 2023 ($\beta = 1.49$; $\chi^2 = 0.93$; $p = 0.33$), or 2024 ($\beta = 0.08$; $\chi^2 = 0.002$; $p = 0.96$), when compared to 2025 with 67%, 100%, 100%, and 92% of collared caribou approaching closed roads in 2020, 2023, 2024, and 2025, respectively. Significantly fewer ($\beta = -4.07$; $\chi^2 = 8.72$; $p < 0.01$) collared caribou approached closed roads in 2021 than in 2025, with 0% of collared caribou approaching closed roads in 2021.

3.4 Collared Movement Speed

Figure 3 shows average speed of collared caribou through the study area (from 17 km west to 2.6 km east) for four time frames. Speeds were significantly faster for caribou during Operations, when both the AWAR and WTHR were operating (2018–2023), than during lead caribou closure (OR = 1.67; 95% CI = [1.00, 2.68]; $p = 0.04$). However, speeds did not significantly differ for caribou during Baseline (OR = 1.85; 95% CI = [0.85, 4.45]; $p = 0.15$) and during Operations when only the AWAR was operating (OR = 1.72; 95% CI = [0.96, 3.00]; $p = 0.06$) when compared to lead caribou closure.

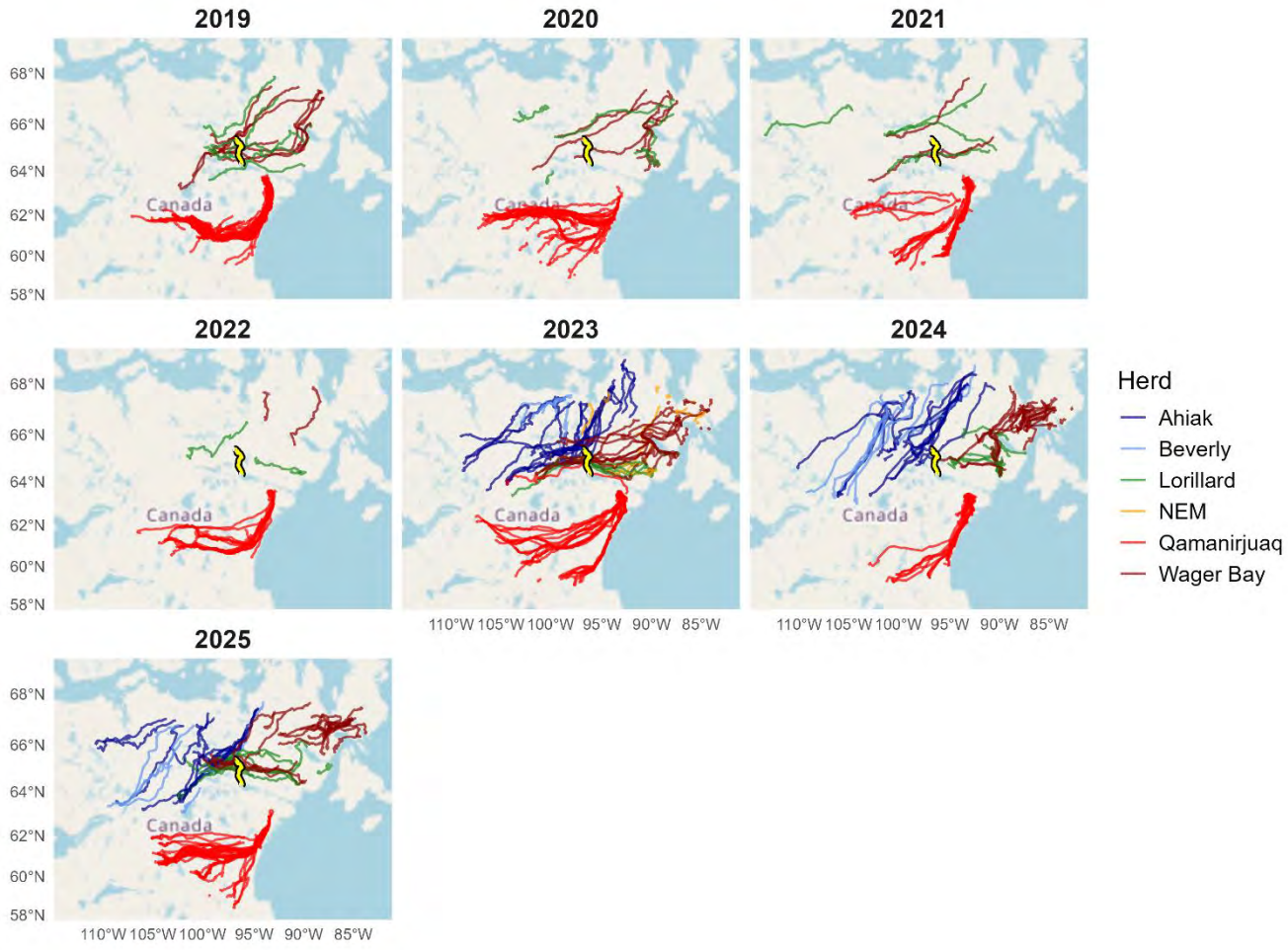


Figure 1: Spatial distribution of collar data 2019–2025 for Ahiak, Beverly, Lorillard, Qamanirjuaq, and Wager Bay herds, as well as collar data from animals not assigned to a herd (designated Northeast Mainland [NEM]). The Whale Tail Haul Road and All-weather Access Road are shown in yellow with a black outline.

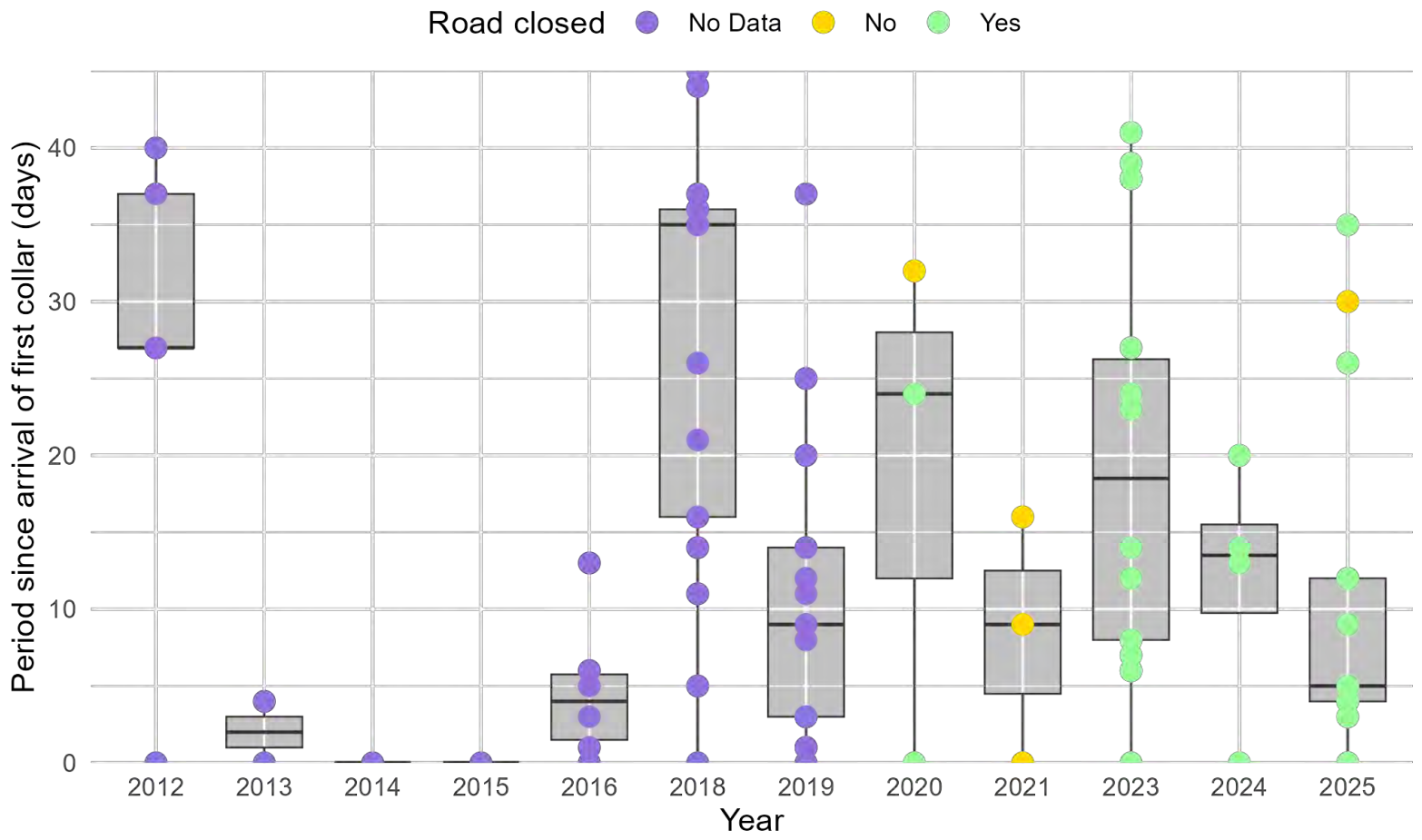


Figure 2: **Period of time between the arrival of each collared caribou within 17 km from the All-weather Access Road or Whale Tail Haul Road and the arrival of the first collared caribou in that year. The arrival of the first collared caribou intersects the x-axis. Dots are coloured based on whether the caribou approached a closed road or not. During 2017 and 2022, collared caribou did not interact with either road.**

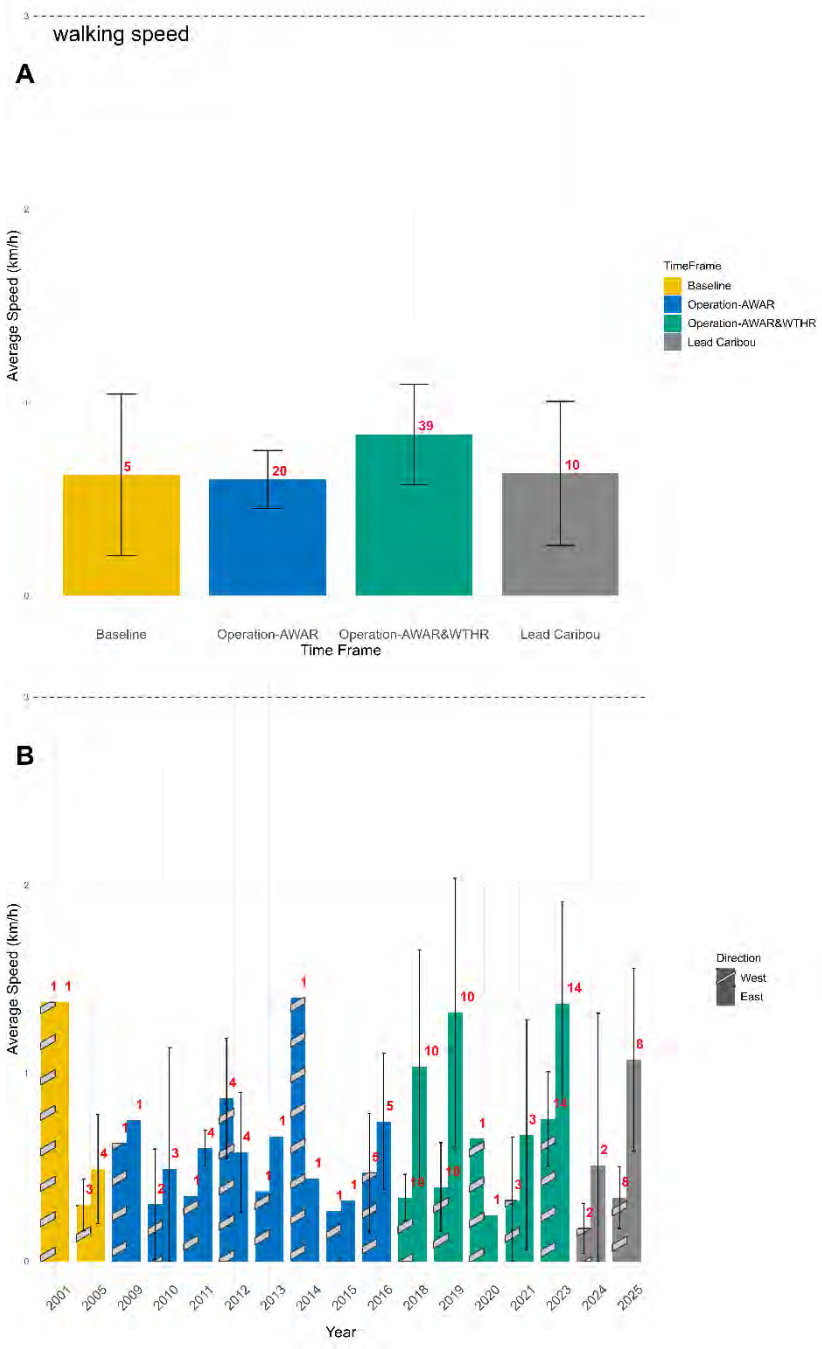


Figure 3: **Speed of collared caribou that crossed through the study area broken down by time period (A) and by side of the road and year (B). Error bars are confidence intervals. Red numbers show sample sizes. The dotted line at 3 km/h shows the maximum energy-efficient walking speed for caribou (Fancy and White 1987).**

3.5 Road Survey Migration Duration

Figure 4 shows the cumulative number of caribou observed during road surveys between 2018 and 2025. The curve (blue line) plateaus when the number of caribou observations decreases. The vertical dashed line shows the date at which 95% of caribou were observed each year. Across all years, 95% of caribou were observed before May 25, with 2018 being the year with the latest date at which 95% of caribou were observed (i.e., 25 May 2018) and 3 May 2019 being the year with the earliest date at which 95% of caribou were observed. In 2025, 95% of caribou were observed by 23 May 2025.

Because factors unrelated to migration could affect caribou counts (e.g., road survey effort), the peaks of the cumulative density curves in Figure 4 should be interpreted in tandem with estimates of uncertainty. Bootstrapped confidence intervals were used to estimate uncertainty (Figure 5). Confidence intervals for 2025 are narrower than in previous years, which indicates more certainty surrounding the date at which 95% of caribou were observed (i.e., 23 May 2025, or approximately 54 days after lead caribou entered the study area). Although confidence intervals are narrower for 2025 spring migration, the estimate itself is larger, which does not support that lead caribou closure facilitated in faster migration through the study area.

3.6 Timing of Lead Caribou Closure

During 2025 spring migration, a lead caribou closure was implemented on the WTHR from April 8–17 inclusive, which coincided with group sizes that exceeded the GST threshold (Figure 6). No lead caribou closure was implemented on the AWAR during 2025 spring migration. A Fisher's exact test was performed to examine if there was an association between lead caribou road closure and group sizes above the GST threshold in 2025. GST closures were more likely to occur during lead caribou closure than outside of those dates (OR = 13.9; 95% CI = [1.77, 1787.72]; p = 0.007), which suggests that either lead caribou groups tend to be large enough to trigger GST closures or that the lead caribou closure did not capture small groups of lead caribou. Alternatively, a decrease in monitoring during lead caribou closures could bias detections towards larger caribou groups. Given this possible bias, these results should be interpreted with caution.

3.7 Composition of Leading Caribou Groups

In 2025, the first caribou groups to approach the AWAR and WTHR arrived in early March (i.e., March 7 for the AWAR and March 8 for the WTHR), were small (i.e., herds of 2 and 14 caribou for the AWAR; a herd of 2 caribou for the WTHR), and were composed of both cows and bulls (Figure 7). In early April 2025, caribou approached the AWAR and WTHR in larger groups, with first GST exceedances occurring on 2 April and 4 April for the AWAR (62 adults and juveniles of mixed sex; green circle) and WTHR (44 bulls and cows; purple circle), respectively (Figure 7). Two lone bulls approached the WTHR separately on April 5 and 7 (blue circles), and a pair of cows approached the WTHR on April 8 (red circle; Figure 7). Additionally, two lone cows approached the AWAR separately on April 10 (red circle is two circles overlapping; Figure 7). The mean group size was 33 caribou for the AWAR and 31 caribou for the WTHR, across the first 5% of road surveyed caribou for each road.

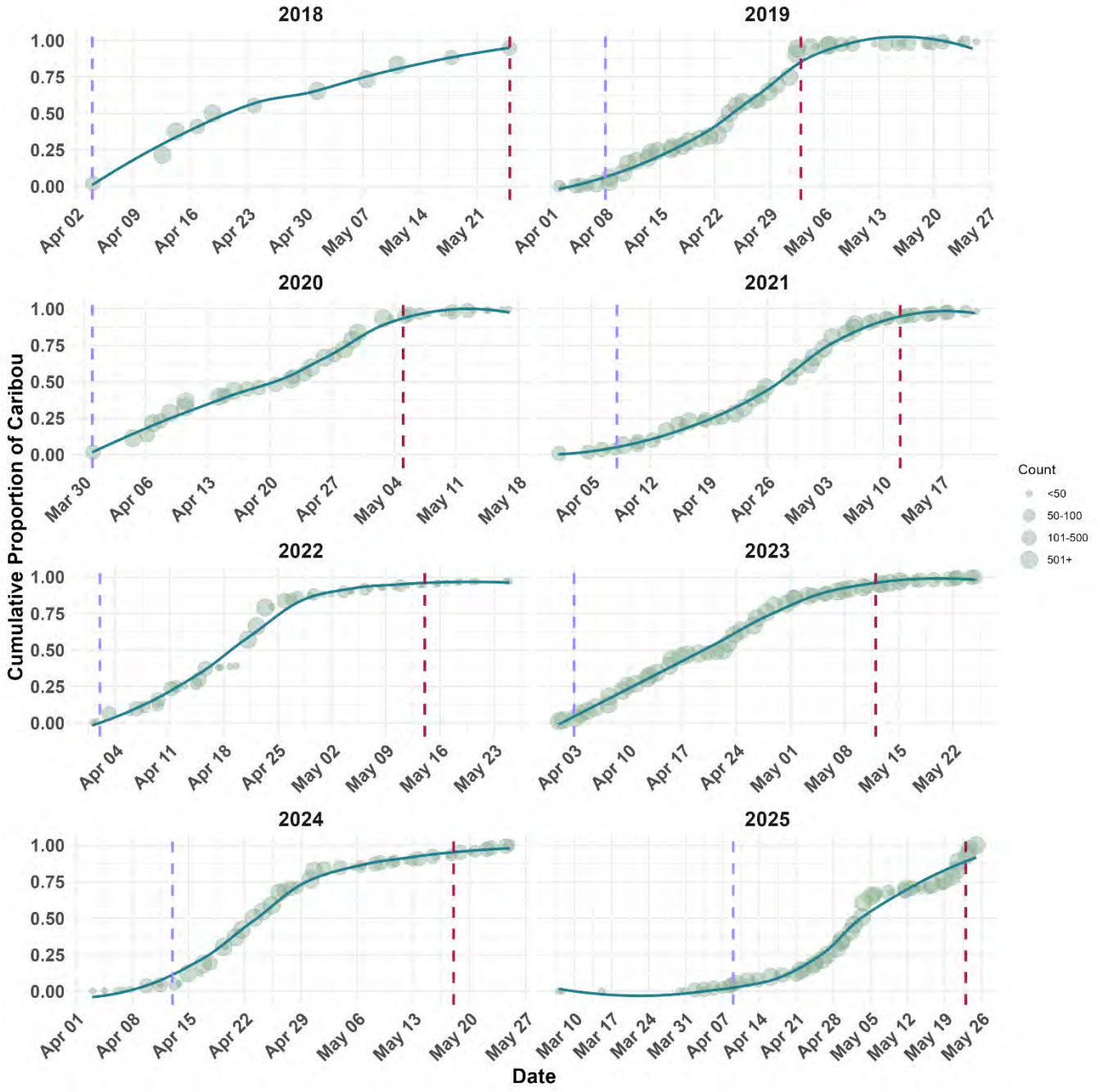


Figure 4: Cumulative proportion of caribou detected during road surveys between 2020 and 2025. Dot sizes are proportional to the total daily count of caribou observed. The vertical dashed lines indicate the date at which 5% (purple) and 95% (red) of road surveyed caribou were observed each year, respectively.

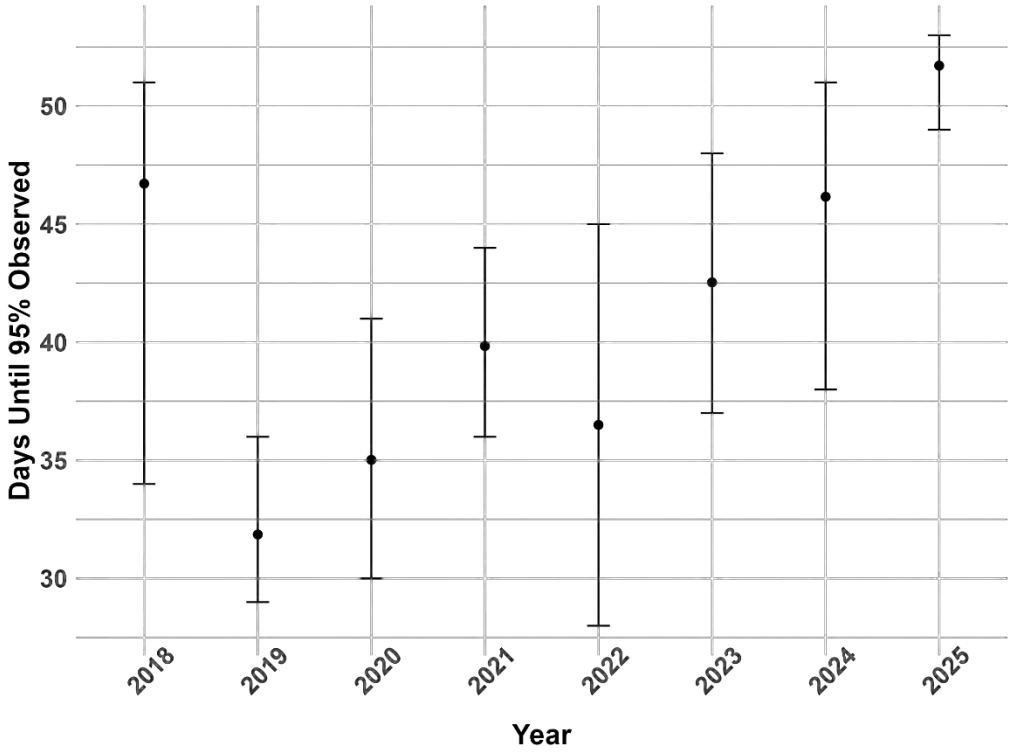


Figure 5: Comparison of spring migration end-dates across years. Black dots show the number of days between the first caribou group observation and the date at which 95% of road surveyed caribou were observed, per year. Error bars are the bootstrapped confidence intervals.

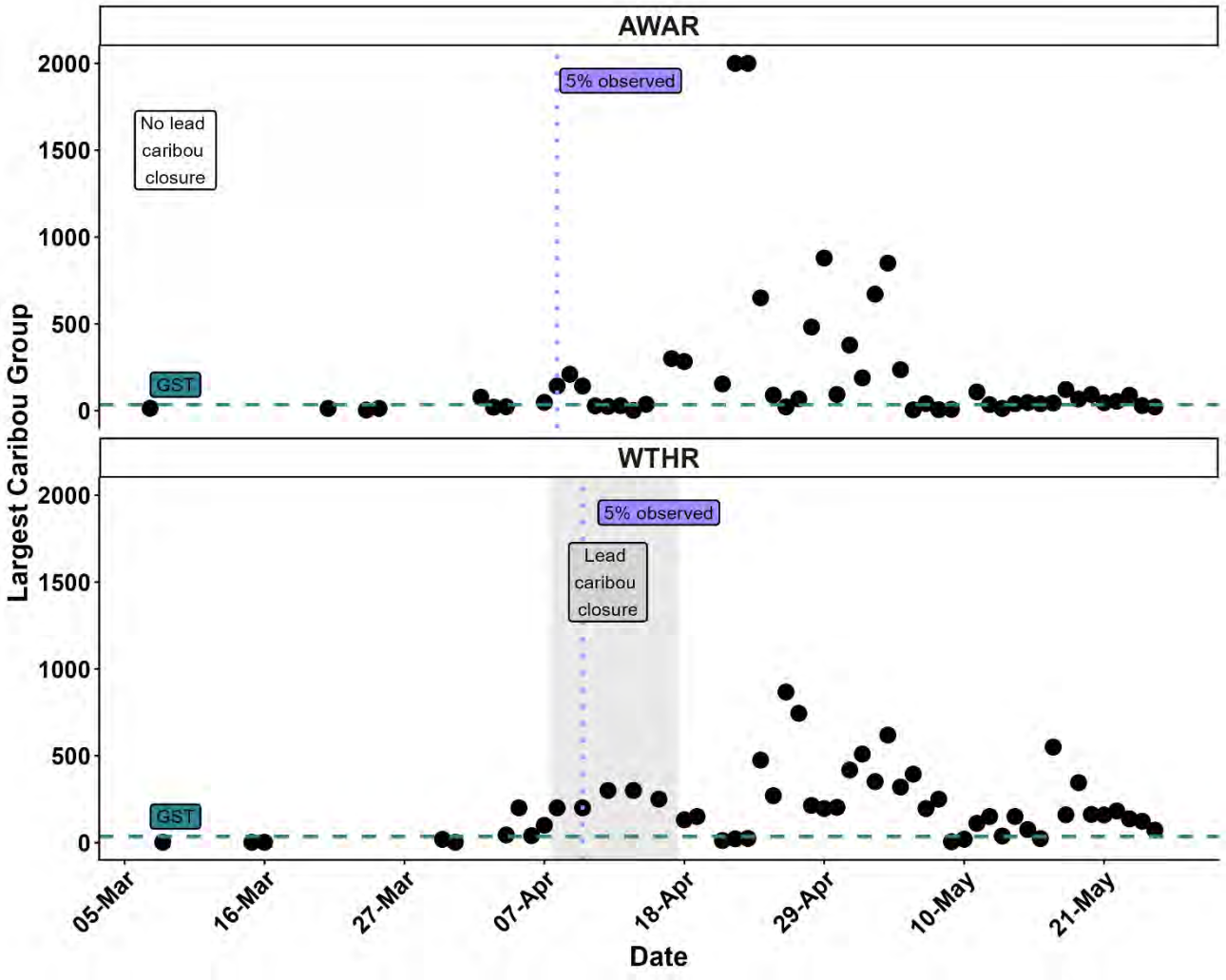


Figure 6: Largest caribou group detected with road surveys on the All-weather Access Road and Whale Tail Haul Road during spring migration in 2025. The spring 2025 GST value of 35 is shown with a teal dashed line. The date at which 5% of road surveyed caribou were observed is shown with a vertical purple dotted line. Lead caribou closures for spring 2025 migration are indicated with grey shading. No lead caribou closure occurred on the All-weather Access Road during spring migration in 2025.

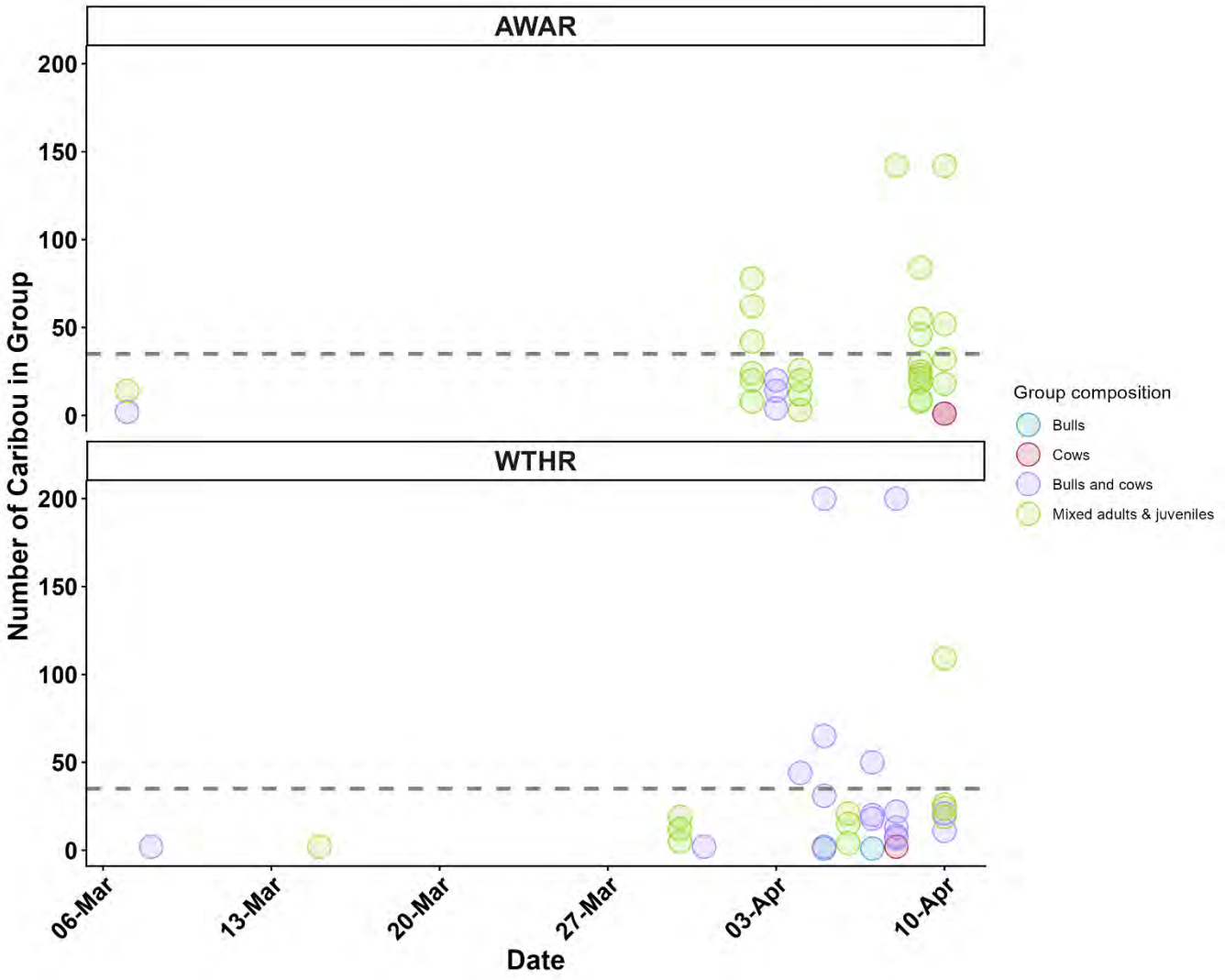


Figure 7: Age-sex composition of caribou groups observed during 2025 road surveys on the All-weather Access Road and Whale Tail Haul Road. The figure is truncated to show only caribou groups that were observed as part of the first 5% of caribou observed during 2025 spring migration. The spring 2025 GST value of 35 is shown with a grey dashed line.

4.0 DISCUSSION

The lead caribou pilot program was implemented for a second year during the 2025 spring migration. The primary objective of the pilot program was to protect lead caribou and allow the “Qiviqait” to pass through the Mine area with minimized disturbance, which could consequently facilitate the migration of trailing caribou through the Mine area. If road closure facilitates lead caribou migration through the Mine, trailing caribou groups may also migrate through the Mine area faster, which could help to alleviate concerns about the Mine causing migration delays. The analyses reported herein address this hypothesis by comparing caribou speed through the Mine area among years.

At this time, data from 2024 and 2025 monitoring do not support that the lead caribou pilot program resulted in increased migration speed or reduced migration duration through the Mine area (WSP 2025). The duration of 2024 spring migration was similar to prior years, and the duration of 2025 spring migration was longer than previous years. Spring migration in 2024 and 2025 may not have been faster than previous years if migration in previous years was also influenced by GST road closures. Because GST mitigation is designed to protect 75% of caribou encountering the Mine area, it is likely that most caribou encountering the AWAR and WHTR in 2024 and 2025 were already under the protection of the GST and the additional pilot program did not result in any discernable change in migration speed or duration. Further to this is that monitoring results indicate that percent of caribou encountering a closed road routinely exceeds 75%. For example, in 2024, the percent of caribou encountering a closed AWAR and WTHR was 80% and 95%, respectively, during spring migration. Irrespective of year, the first collared caribou interacting with Mine roads usually encountered closed roads. If this also occurred for lead caribou groups, then prior year road closures may have also facilitated road crossings. This possibility is emphasized by similar speeds through the study area during Mine operations and before the roads were built. Alternatively, lead caribou speeds and/or road closures may have little lasting influence on migration duration and speed because the speeds are similar to baseline. Instead, habitat features, physiological factors, immediate social cues, predator harassment, or climate factors may have stronger influences on movement patterns (Guttal and Couzin 2010; Alerstam and Bäckman 2018; Gurarie et al., 2019; Mallory et al, 2020).

Although lead caribou road closures did not appear to increase speed or reduce the duration of migration, the sample size of collared caribou interacting with Mine roads is relatively small, which restricts the precision of speed and duration estimates. However, small sample sizes also mean that only a fraction of caribou herds are exposed to or interacting with the Mine area each spring. It is also possible that the benefits of lead caribou closures are too subtle to be detected by collar data, especially if lead caribou are not collared. While there may be technical challenges to measuring the influence of lead caribou mitigation, Agnico Eagle acknowledges the importance of protecting lead caribou from shared IQ.

The caribou herds that migrate through the Mine area are of cultural significance and conservation concern to local Indigenous communities. In addition, a swift and unimpeded migration benefits Mine operations by minimizing periods of reduced mining activity. The lead caribou pilot program (Agnico Eagle 2024) is a successful example of collaboration between development operators, communities, and government. Community-integrated science should be a continuous process (Israel et al. 1998; Lambert et al. 2024) and programs such as the pilot program should be managed adaptively and flexibly from the outset. Although the first two years of the lead caribou pilot program have resulted in smaller than desirable sample sizes and, thus, some challenges in assessing the efficacy of the program for protecting lead caribou, ongoing collaboration among local Inuit community organizations, government, and Agnico Eagle should continue. Continued collaboration driving adaptive management will result in more successful conservation outcomes for barren-ground caribou in Nunavut.

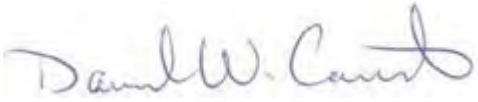
5.0 CLOSURE

We trust that this submission meets your current requirements. If you have any questions regarding the contents of this memorandum, please contact the undersigned.

WSP Canada Inc.



Meghan Beale, MSc, RPBio
Lead Wildlife Ecologist



Dan Coulton, PhD, RPBio
Senior Principal Wildlife Ecologist

MB/DC/cf

https://wsponlinecan.sharepoint.com/sites/ca-2024ca347557/shared documents/06. deliverables/2025 lead caribou assessment tm/04_final_rev1/aem_2025_lead_caribou_memo_20260219_rev1.docx

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