**APPENDIX G**

# Meliadine Project Caribou Trail Camera Study, 2023

ERM

PREPARED FOR

AGNICO EAGLE

Agnico Eagle Mines Limited

# Meliadine Mine

## Caribou Trail Camera Study Compilation Report, 2020 to 2023

DATE
March 2024

REFERENCE
0689548-03

ACKNOWLEDGEMENTS

# Meliadine Mine

## Caribou Trail Camera Study Compilation Report, 2020 to 2023

March 2024

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# ACRONYMS AND ABBREVIATIONS

| | |
|---|---|
| Agnico Eagle | Agnico Eagle Mines Limited |
| AI | Artificial intelligence |
| ATV | All-terrain vehicle |
| AWAR | All weather access road |
| BQCMB | Beverly Qamanirjuaq Caribou Management Board |
| COSEWIC | Committee on the Status of Endangered Wildlife in Canada |
| GLMs | Generalized linear models |
| GN | Government of Nunavut |
| IOL | Inuit-owned land |
| IQ | Inuit Qaujimajatuqangit (Inuit Traditional Knowledge) |
| km | Kilometre |
| KM | Kilometre marker |
| m | Metre |
| NIRB | Nunavut Impact Review Board |
| NWT | Northwest Territories |
| TEMMP | Meliadine Mine Terrestrial Environment Management and Monitoring Plan |
| The Mine | The Meliadine Mine |

# EXECUTIVE SUMMARY

The Meliadine Mine (the Mine), owned and operated by Agnico Eagle Mines Limited (Agnico Eagle), is located on Inuit Owned Land (IOL) approximately 25 km north of Rankin Inlet, Nunavut. A 30 km all-weather access road (AWAR) connects the Mine to Rankin Inlet. During June and July each year, groups of Qamanirjuaq caribou occur in the Mine area, regularly crossing through the Mine site and the AWAR.

During 2020 to 2023 a study was conducted using motion-triggered cameras to examine caribou interactions with the Mine infrastructure during their annual migration, focusing on the AWAR. The initial study was designed to identify features of the AWAR (i.e., slope, substrate, height, and surrounding habitat) that may facilitate higher rates of caribou passage during annual migratory movements. Cameras were also placed at locations identified by community members and Inuit Elders from Inuit Qaujimajatuqangit (IQ) where caribou more frequently crossed the road. The survey protocol in 2023 followed that used in the previous two years, with some cameras moved to the mine site and future Discovery Access Road to the Discovery site at the south end of Meliadine Lake.

This study was completed in accordance with the Meliadine Mine Nunavut Impact Review Board (NIRB) Project Certificate (#006) and associated amendments, and commitments made by Agnico Eagle to document and assess whether caribou movement near the Mine Area is affected by Mine infrastructure, including the AWAR.

Forty-four cameras were placed along the AWAR, around the Mine site, and in the Discovery area in early-June 2023 and were removed in late-July and early-August. On-road cameras were placed approximately 2 metres west of the AWAR, facing north; and took both timed and motion-triggered photos. Road survey data collected in 2020 was used and included in analyses: height above tundra, width, side-slope, surfacing material (esker vs. quarry rock, and size), and surrounding vegetation type. Vehicle data was also collected from the AWAR cameras.

Overall, the key findings across four years (2020 to 2023) of the camera study included:

- The cameras were successful at capturing many caribou crossing the AWAR, with peak caribou passage occurring three weeks earlier in 2023 (June 18 – 26) vs. 2022 (July 10 – 15), consistent with patterns of inter-annual variability observed in caribou GPS collar data.
- Caribou crossing timing and locations in 2023 were consistent with locations identified from 2020 to 2022 and with locations identified by IQ from Inuit Elders and community members. The hotspots identified by the camera data in all three years aligned more closely with the IQ identified hotspots than the collar data from 2012 to 2019.
- Road height and road-side slope at each camera location was not related to the number of caribou observed at each camera location, suggesting that differences in the structure of the AWAR do not significantly influence the locations where caribou cross. The AWAR was constructed with strict design criteria including having a side slope and material that promoted caribou crossing the road – and thus there may not be enough variability in the road construction to influence caribou crossing.

- More caribou were observed on cameras on the northern half of the road in most years. Esker material is more common as a substrate on the northern half of the road which may suggest caribou prefer crossing on esker material. However, it is more likely that this is due to broad scale caribou movement patterns.
- Median time lag from a vehicle passing to a caribou crossing when the AWAR was open was 1.7 hours, when the AWAR was open with restriction was 3.7 hours, and when the AWAR was closed was 4.3 hours. The increasing time lag between vehicle detection and caribou crossing does not necessarily suggest avoidance of traffic on the AWAR, but may instead reflect the largely reduced volume of traffic due to pre-emptive restriction on the AWAR when caribou are in the area. Vehicle results should be treated with caution, as caribou may pass behind a camera or out of range of the camera motion detector, and therefore not all caribou crossings will be captured by all cameras, despite best efforts to do so.
- Caribou were detected in the Mine and Discovery areas throughout the study period, with small groups around the mine and larger migratory groups along the proposed Discovery Road.

Overall, the results suggest that caribou are not affected by the structure of the Meliadine AWAR, but spatial differences in road crossing locations may be explained by traffic, migration timing, migratory route fidelity, or some combination of these factors. Convoys are currently used to mitigate effects of essential Mine traffic during periods when caribou are in the Meliadine area. This mitigation reduces the number of vehicle disturbances, maximizing the time when caribou do not interact with vehicles on the AWAR.

These results highlight the power of using motion-trigger cameras to draw connections between the many interacting variables that may explain caribou passage through the Mine area, which may be integrated with additional sources of data such as collar analysis and behaviour monitoring to inform potential cumulative effects of the Meliadine Mine (ERM 2023, 2024).

# 1. PROJECT OVERVIEW

The Meliadine Mine (the Mine), owned and operated by Agnico Eagle Mines Limited (Agnico Eagle), is located on Inuit Owned Land (IOL) approximately 25 km directly north of Rankin Inlet, Nunavut. A 30 km all weather access road (AWAR) connects the Mine to Rankin Inlet. The Rankin Inlet By-pass Road was constructed to the west and south of Rankin Inlet to allow mine traffic to circumvent the hamlet of Rankin Inlet when traveling from the AWAR to Itivia Harbour (i.e., Melvin Bay) southwest of Rankin Inlet (Figure 1-1).

The Meliadine Mine was approved by the Nunavut Impact Review Board (NIRB) in 2015 (Project Certificate #006) with a life of mine plan that includes production from five ore bodies. The mine plan includes open pits, underground mining and associated ore processing, waste management and ancillary infrastructure. Construction of the AWAR, camp, ore processing facilities and ancillary infrastructure began in 2017, and production began in Q2 2019. In 2019, the Meliadine Mine NIRB Project Certificate (#006 No. 001) was amended to include discharge of treated saline effluent to the marine environment via diffuser at Itivia Harbour and to convey via truck treated saline effluent along the AWAR to Itivia Harbour. In 2022, the Project Certificate (#006 No. 002) was further amended to allow for the construction of a 34 km waterline, which consists of two 16-inch diameter pipes needed to convey the treated saline effluent from the Mine to Itivia Harbour.

A caribou motion-trigger camera study was conducted in June and July 2020, 2021, 2022, and 2023 at the Meliadine Mine and along the AWAR in support of existing NIRB monitoring conditions as outlined in Project Certificate #006 and the associated amendments.

## 1.1 REGULATORY REQUIREMENTS

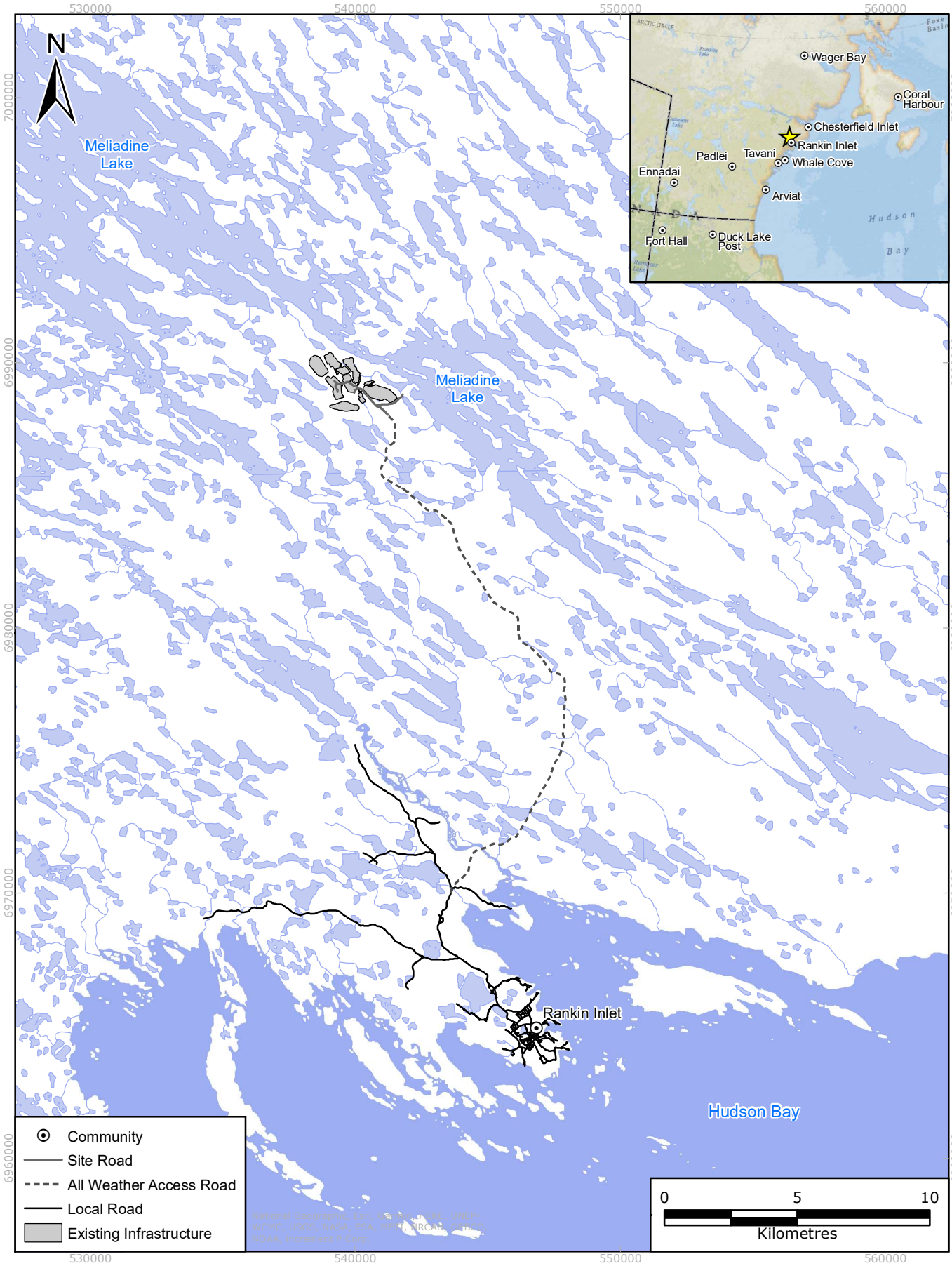
The Meliadine Mine 2015 Project Certificate, and 2019 and 2022 Project Certificate Amendments from the NIRB, Term and Condition No. 57 requires the Agnico Eagle to include in its annual NIRB report:

> (T&C 57, c.) A demonstration and description of how the monitoring results, including the all-weather access road, and associated access roads/trails, and waterlines contribute to cumulative effects of the project.

The Meliadine Mine Terrestrial Environment Management and Monitoring Plan (TEMMP; Agnico Eagle 2022) includes components designed to meet these conditions, with a road surveillance monitoring program (Section 4.3) that has the following objective:

> "To record the presence of wildlife and/or wildlife signs (e.g., tracks, nesting) in relation to the Mine infrastructure. Of particular importance is the frequency of wildlife entering the Mine infrastructure areas and along the AWAR corridor. This information can then be used to determine any areas of attraction to wildlife, document human-wildlife conflicts, areas/timing of wildlife mortality or potential mortality; seasonal trends of wildlife occurrence in the Project area, and effectiveness of mitigation (e.g., waste management and landfill)."

FIGURE 1-1 MELIADINE GOLD MINE LOCATION




ERM

CLIENT: AGNICO EAGLE MINES LIMITED

DATE: 02/13/2024

PROJECTION: NAD 1983 UTM Zone 15N

GIS NUMBER: MEL-23-041

SCALE: 1:200,000 when printed at 8.5x11

The caribou camera program described in this report is designed to be complementary to the objectives of the caribou collaring program (TEMMP Section 4.7), which are:

- To contribute to the scientific knowledge of caribou activity near mining operations and caribou population dynamics in Nunavut; and
- To assess whether caribou movement near the Mine area is hindered by Mine infrastructure (i.e., Mine site infrastructure and the AWAR).

# 2. STUDY OBJECTIVES

The overall objective of the camera monitoring program is:

- To record the presence of wildlife in relation to the Mine infrastructure, including the frequency of wildlife entering the Mine infrastructure areas and along the AWAR corridor.
  This information may be used to determine potential areas of increased use by wildlife, annual trends of wildlife occurrence in the Mine area, and the effectiveness of mitigation efforts.

The specific objectives of the 2023 study were:

- To conduct a study using motion-trigger cameras at the Mine to estimate how the Mine infrastructure including the AWAR may affect caribou movement during seasonal migration.
- To evaluate if there were specific locations with high numbers of caribou observations along the AWAR in 2023 and compare these locations with camera data from 2020 to 2022, and with those identified by Inuit Qaujimajatuqangit (IQ) and GPS collar data.
- To test if areas with certain road characteristics might be used preferentially by caribou crossing the AWAR, specifically:
  - Material of road construction (esker vs. quarry);
  - Side slope;
  - Road height; and
  - Surrounding vegetation type.
- To evaluate what relationship (if any) there is between vehicles recorded on the road and location/timing of caribou observations.
- To provide data on caribou occurrence in the Discovery area and in proximity to the Mine site.

# 3. BACKGROUND

## 3.1 QAMANIRJUAQ HERD

The Qamanirjuaq caribou subpopulation is a large barren-ground caribou herd numbering approximately 288,000 animals in 2017, down from over 348,000 animals reported in 2008 (Boulanger et al. 2018)but consistent with the population size in the 1980s (COSEWIC 2016).

The Beverly and Qamanirjuaq Caribou Management Board (BQCMB) rated the Qamanirjuaq herd as having "Medium" vulnerability in 2014 due to population declines since 2008 (BQCMB 2014) and upgraded this rating to "Medium-High" in 2016, a status that remains unchanged (BQCMB 2021).

Spring migration brings the caribou north along the coast of Hudson Bay, past the communities of Arviat, Whale Cove and Rankin Inlet to a broad calving ground generally centered on Qamanirjuaq Lake (BQCMB 2023).

Following calving, the caribou form into large groups of hundreds to thousands and radiate out from the calving grounds, including east towards the coast. During June and July, groups of animals from this herd migrate in proximity to the hamlet of Rankin Inlet, the Meliadine Mine and the AWAR connecting the two.

During summer and fall, the caribou generally move south and inland, gradually returning south towards their wintering areas by early December. Maps of the caribou range and movement are available on the BQCMB website (https://arctic-caribou.com/resources/).

## 3.2 TERRESTRIAL ADVISORY GROUP

A Terrestrial Advisory Group (TAG) was formed in 2022 and formalized via creation of the Terms of Reference in 2023 as a collaborative forum to discuss the application of Inuit Qaujimajatuqangit (IQ), Traditional Knowledge (TK) and western science to mitigation and monitoring programs for caribou movement in the Mine area. Members of the group include the local, regional, territorial, and federal governments, as well as Indigenous groups.

Following discussion of the camera study results in 2022 and 2023 with the TAG, several modifications to the study protocol and analysis methods from previous years were suggested. These modifications included adding cameras around the mine site and in the Discovery area permitted for future development of the Mine, as well as additional statistical investigation of relationships between vehicles on the AWAR and caribou. Wherever possible, suggestions made by the TAG have been added into the 2023 analysis.

# 4. STUDY AREA

The dominant terrain in the Mine area comprises glacial landforms such as drumlins (glacial till), eskers (gravel and sand), and lakes. A series of low relief ridges are composed of glacial deposits, oriented in a northwest-southeast direction, which control the regional surface drainage patterns. The property is approximately 60 metres (m) above sea level in low-lying topography with numerous lakes (Final Environmental Impact Statement; Agnico Eagle 2015).

The study area for the camera study included the length of the AWAR from kilometre marker (KM) 7 to KM 30 (the Mine site; see Figure 1-1). During 2020 cameras were installed along the AWAR and around the mine site. In 2021 the study was repeated with a focus on the AWAR and modifications to the survey design to better capture vehicle traffic, with these modifications retained in 2022 and 2023. In 2023, cameras were also deployed around the Mine site and along the proposed Discovery Road to record caribou use of these areas in addition to the AWAR at the suggestion of the TAG.

# 5. METHODS

## 5.1 CAMERA FIELD STUDY

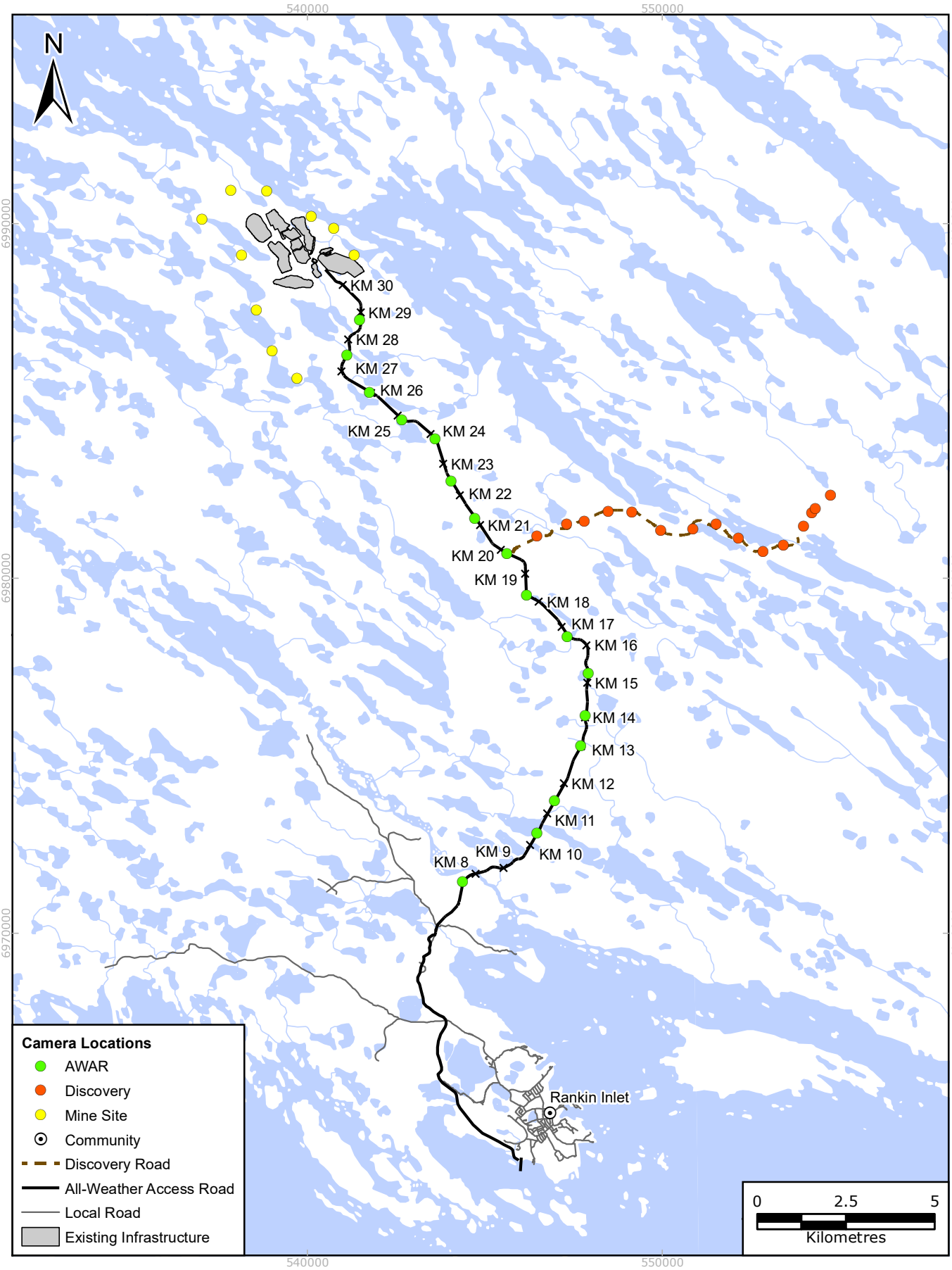
The cameras were programmed and installed in early-June by a wildlife biologist from ERM and a Meliadine Environment technician, two weeks prior to the predicted arrival of caribou in the area. The ERM wildlife biologist maintained the cameras for the duration of the study and Meliadine Environment technicians disassembled the cameras in late July when caribou were no longer in the area in substantial numbers.

Camera locations were selected to maximize coverage and representation of habitat and road types, and to best detect caribou and vehicles along the AWAR (Figure 5.1-1). The same approximate locations were used in 2020, 2021, and 2022 with five additional locations added in 2022 to extend camera coverage south along the AWAR (Table 5.1-1). In 2023 fewer cameras were deployed along the AWAR (19), with cameras instead distributed around the Mine site (10) and along the proposed Discovery Road (15):

- Thirteen (13) single cameras were installed at a spacing of approximately 1,500 m along the AWAR, starting from KM 7 and ending at the mine site at KM 30. Three (3) camera locations had two (2) cameras of different models (Bushnell Core DS vs. Wild Game Innovations Switch) deployed for comparison of detectability, for a total of nineteen (19) cameras at sixteen (16) locations.
- Through previous consultation and community meetings, community members and Inuit Elders identified locations on the AWAR where caribou are known to cross more frequently, including at KM 9, 12, 16, 22, and 27 (Public Meeting; Rankin Inlet, March 17, 2020). Cameras were placed at or near these locations.
- The camera locations were stratified by road structure, with approximately half of cameras placed in areas where the road shoulder was esker material and half where the shoulder was quarry rock. Locations were also selected to have equal representation of steep and flat road shoulders.
- All AWAR cameras were installed on the west side of the road facing north with the road in the camera field of view on the right side of images. In 2020, cameras were located up to 15 m from the road, whereas in 2021, 2022 and 2023 AWAR cameras were placed no more than 5 m from the side of the road to better capture vehicle traffic.
- Ten (10) single cameras were roughly equally spaced around the Mine site.
- Fifteen (15) single cameras were deployed along the proposed Discovery Road with roughly equal spacing between locations.

During initial camera setup in 2020, the surrounding habitat type, road structure, and GPS location were recorded. If any all-terrain vehicle (ATV) trails or caribou trails were detected near the camera site, these were noted. Any changes to these factors in subsequent years were noted. The coordinates for the AWAR cameras were used to calculate the distance to the mine and to Rankin Inlet along the AWAR.

FIGURE 5.1-1 LOCATIONS OF MOTION-TRIGGER CAMERAS AT THE MELIADINE MINE, JUNE - AUGUST 2023

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CLIENT: AGNICO EAGLE MINES LIMITED
GIS NUMBER: MEL-23-042

DATE: 02/13/2024

PROJECTION: NAD 1983 UTM Zone 15N
SCALE: 1:150,000 when printed at 8.5x11

TABLE 5.1-1 CAMERA DEPLOYMENTS AT THE MELIADINE MINE FROM 2020 TO 2023

| Year | Number of AWAR Cameras | Number of Discovery Cameras | Number of Mine Site Cameras | Deployment Dates |
|---|---|---|---|---|
| 2020 | 30 | - | 7 | June 22 – July 11 |
| 2021 | 27 | - | - | June 23 – July 13 |
| 2022 | 32[1] | - | - | June 22 – July 22 |
| 2023 | 16[2] | 15 | 10 | June 4 – August 14 |

[1] 34 cameras were deployed in 2022, but two did not collect data due to malfunction.
[2] 3 camera locations had two cameras of different models deployed for comparison of detectability, for a total of 19 cameras at 16 locations.

Cameras were installed at a height of approximately 50 centimetres, which was determined to be the optimal height for detecting movement of a passing caribou (ERM, unpublished data). Cameras on the AWAR were positioned to capture part of the road in the field of view. In 2020, cameras were not explicitly set up to capture vehicle traffic, but in 2021, 2022 and 2023 AWAR cameras were placed closer to the road (no more than 5 m) to capture traffic.

The installation setup was a simple bucket-and-stick design, where the camera was strapped onto a 2" × 4" piece of lumber that was stabilized in a bucket full of quarry rock (Photo 5.1-1). This setup was designed to be temporary and to minimize impact on the ground where it was placed. When the cameras were removed at the end of the study, all setup materials were returned to the Mine Site.

Photo 5.1-1 Typical camera setup from the Meliadine 2023 Camera Study.

All cameras took five pictures whenever motion was detected within approximately 40 m of the motion detector, including wildlife, vehicles, and occasionally objects moving in the wind. In addition, all Bushnell cameras (this feature is not available on the Wild Game Innovations cameras) were programmed to take one photo every 30 minutes, day or night. This was done for two reasons:

- to help capture activity happening beyond the range of the motion detector; and
- to provide assurance that the cameras were operational during the entire duration of the study (measure effort).

The cameras were checked after one week to ensure battery life, SD card space, and positioning was still adequate. Throughout the duration of the study, field technicians and the ERM field biologist regularly checked the cameras to ensure they were still in place and functioning properly.

## 5.2 ROAD STRUCTURE FIELD STUDY

In 2020, additional surveys were conducted on the as-built AWAR to help address the objective of determining whether there are road characteristics that caribou prefer to cross on. As the AWAR structure did not significantly change after this survey, the same data were used in the 2020 to 2023 analyses.

An ERM wildlife biologist and Meliadine environment technician surveyed the road structure, taking the measurements every 100 m along the road, including:

- GPS location;
- Width of the road (m);
- Height of the road above the tundra (m);
- Road-side slope angle – measured with an inclinometer (east and west side);
- Road-side material (esker or quarry stone);
- Substrate grain size, i.e., the area of the roadside shoulder covered by <0.75 inch, 0.75 to 6 inch, 6 to 12 inch, and >12 inch stones (measurement standards used by road engineers); and
- Surrounding habitat features.

## 5.3 PHOTO PROCESSING

All photos from 2022 and 2023 were pre-processed by an artificial intelligence (AI) algorithm to automatically sort photos into four categories: animals, vehicles, humans, and blank images (Beery et al. 2019; Fennell et al. 2022). ERM personnel then reviewed all photos as classified by the AI algorithm and confirmed all detections of wildlife or vehicles. In 2020 and 2021, ERM personnel reviewed all photos from the cameras and recorded every detection of wildlife and vehicles.

A detection is an event where an individual or group triggers the camera, or at least one animal is captured in a timed photo. There can be one photo or many photos in quick succession, depending on how long the caribou were in front of the camera. Hence, one detection may have many individual caribou which may not be able to be individually differentiated. The number of caribou recorded for each detection event is the largest number of caribou visible in any one photo during

the event. To ensure consistency, a detection event was defined as a time lag of at least 30 minutes between photos of the same species, which was applied programmatically to group individual photos into independent detection events.

Data recorded for each wildlife detection event included:

- The time of the first photo;
- The species of wildlife;
- The number of individuals in the group; and
- For events where multiple photos were captured, the duration of the motion-trigger event.

In 2023, four cameras spaced along the AWAR at KM 8, 13, 23, and 27 were analyzed for detailed vehicle traffic in addition to wildlife. Data recorded for each vehicle detection included:

- The time of the detection;
- The type of vehicle; and
- Whether the vehicle was travelling in a convoy or not.
- At all other AWAR cameras all vehicles detected were recorded, though not classified to vehicle type.

## 5.4 SATELLITE COLLAR DATA

Satellite collar data presented here was collected by the Government of Nunavut (collected 2012 to 2019), and previously made public via a data sharing agreement. Updated collar data may be incorporated in future versions of this report. Maps of collar data are shared by the GN with Agnico Eagle and are used to estimate when the caribou will arrive at the site (and so cameras will be deployed) and whether they have left for the season and it is safe to recover the cameras.

## 5.5 DATA ANALYSIS

The analysis in this report was designed to quantify trends in the study data both between and within years, and to determine whether factors such as road structure, vehicle traffic on the road, or placement of the cameras could be used to explain caribou occurrence and identify “hotspots” where caribou may be likely to cross the AWAR. Additionally, cameras around the Mine site and along the proposed Discovery Road provide information on caribou movement through the Meliadine area during the study period.

An initial exploratory analysis was conducted to visualize the data and determine the appropriate method for analyzing the data. Where data were complete, generalized linear models (GLMs) were used to assess the differences in the number of caribou detection events as a function of various controlling variables, including road structure. This regression framework provides a means to control for habitat, environmental variables, repeated measurements, and spatial correlation. For some comparisons in which statistical models were not useful due to a small sample size, summary statistics and correlations were calculated.

All analyses were carried out using program R version 4.3.2 (R Core Team 2023).

# 6. RESULTS AND DISCUSSION

## 6.1 FIELD WORK

In total, 44 cameras were deployed from June 2 to 4, 2023, and were removed July 28, 2023. The study concluded on July 28, 2023, when caribou had not been observed for several days at or near the Mine and collar maps indicated that they were not expected to return. Cameras were removed and the stands were disassembled. Collar maps and in-person observations indicated that most of the migration was captured during the deployment period. This amounted to 2,270 trap-nights and over 300,000 photos. More than two-thirds of all photos were from timed photos, most of which did not contain wildlife or vehicles. The remainder were from motion-triggered events. Of the 44 cameras deployed, most remained in operation for the entire deployed period. A portion of the data from Mine site cameras prior to July 16, 2023, was unavailable for analysis due to a corrupted hard drive while downloading image data in the field. Additional SD cards have been purchased for future study years to prevent the need for hard drive downloads in the field, greatly reducing the risk of future data loss.

## 6.2 CARIBOU DISTRIBUTION RELATIVE TO THE MINE

Of the 988 independent wildlife detection events from the cameras in 2023, over half were of caribou. Table 6.2-1 summarizes the relative detection rates of all species detected from 2020 to 2023.

TABLE 6.2-1 WILDLIFE DETECTIONS (DETECTIONS PER 100 CAMERA DAYS) AT THE MELIADINE MINE IN 2020, 2021, 2022, AND 2023

| Species | 2020 | 2021 | 2022 | 2023 | | |
|---|---|---|---|---|---|---|
| | AWAR | AWAR | AWAR | AWAR | Discovery | Mine Site |
| Arctic Fox | 1.54 | 2.83 | 8.43 | 6.16 | 5.13 | 6.55 |
| Arctic Ground Squirrel | 0.35 | 1.62 | 1.42 | 0.60 | 0.42 | - |
| Arctic Hare | 0.47 | 0.81 | 3.61 | 4.37 | - | 3.79 |
| Caribou | 10.76 | 25.91 | 16.43 | 24.85 | 42.58 | 10.34 |
| Gull | 1.42 | 2.23 | - | - | - | - |
| Raptor | 0.12 | 0.40 | - | - | - | - |
| Sandhill Crane | 0.71 | 5.67 | - | - | - | - |
| Songbird | 2.72 | 3.44 | - | - | - | - |
| Uncategorized Bird | 4.12 | 22.27 | 3.50 | 4.87 | 9.29 | 35.52 |
| Unknown | 0.12 | - | - | - | - | - |
| Waterfowl | 6.02 | 6.07 | - | - | - | - |
| Uncategorized Mammal | - | 1.21 | - | - | - | - |
| **Total** | **28.37** | **72.47** | **33.41** | **40.85** | **57.42** | **56.20** |

Note: Detections may be from motion-triggered photos or from timed photos. Results from 2023 include cameras along the AWAR, along the proposed Discovery Road, and around the Mine site. Results from 2020 to 2022 include only the AWAR. Birds in 2022 and 2023 were not classified to species.

The first caribou recorded on cameras occurred on June 12, 2023, which was consistent with collar maps and observations of caribou from site personnel who were conducting wildlife surveys. Caribou detections peaked from June 18 to June 26, with 70 detection events and 30,567 adult caribou recorded across all cameras and detection events on June 26, though this should not be interpreted as a population estimate as the same caribou may be recorded on multiple cameras at different times throughout the day (Figure 6.2-1). This was approximately three weeks earlier than peak caribou detections in 2022, and one to two weeks earlier than peak caribou detections in 2020 and 2021 (Figure 6.2-1). This finding is generally consistent with the pattern from anecdotal summaries of collar data that caribou use of the site is variable between years.

After the peak, caribou were detected less frequently and in smaller groups until July 28, when cameras were demobilized. Caribou were detected at 37 of 44 cameras (84%) in 2023, compared to 94% of road cameras in 2022, 93% in 2021, and 73% in 2020. More caribou were detected overall in 2023 than any other survey year, with the lowest number counted in 2020 though camera effort was increased in 2023 as compared to previous years, including deployment of cameras in the Discovery and Mine site areas.

### 6.2.1 AWAR CAMERAS

One of the objectives of this study was to evaluate if there were specific locations with high numbers of caribou observations along the AWAR in 2023, and compare these locations with those identified in 2020, 2021, 2022, and with collar data and IQ. This information can be used to inform mitigation along the AWAR relating to caribou crossing.

Standardized for sampling effort each year, the number of caribou detections per 100 camera days on the AWAR cameras was 10.76, 25.91, 16.43, and 24.85 in 2020, 2021, 2022, and 2023 respectively. Figure 6.2-1 shows the number of independent caribou detections per 100 active camera days in each year (2020 to 2023) along the AWAR, which allows comparison of the number of detections recorded each year despite a differing number of cameras. The shaded outline in the background of each panel is the density of these data recorded through time, with higher values signifying a higher number of caribou detections during that period when accounting for camera effort.

Most caribou observations were concentrated in the northern half of the AWAR from 2020 to 2022, with the most observations along the AWAR in the southern half in 2023 (Figure 6.2-2). As cameras were deployed for a longer period in 2022 and 2023, there is a possibility that this is an artifact of the data representing the migration more fully than in the initial study years. Road crossing was further analyzed in 2023 using satellite collar data, as summarized in WSP 2023a and WSP 2023b.

Time of day was not related to the number of caribou detections, although there was some evidence that caribou were consistently detected earlier in the day (03:00 to 12:00) than at night in 2021, 2022, and 2023 (Figure 6.2-3). The same trend was not noted in 2020.

FIGURE 6.2-1 DATES OF CARIBOU DETECTIONS AT MELIADINE MINE AWAR CAMERAS, 2020 TO 2023

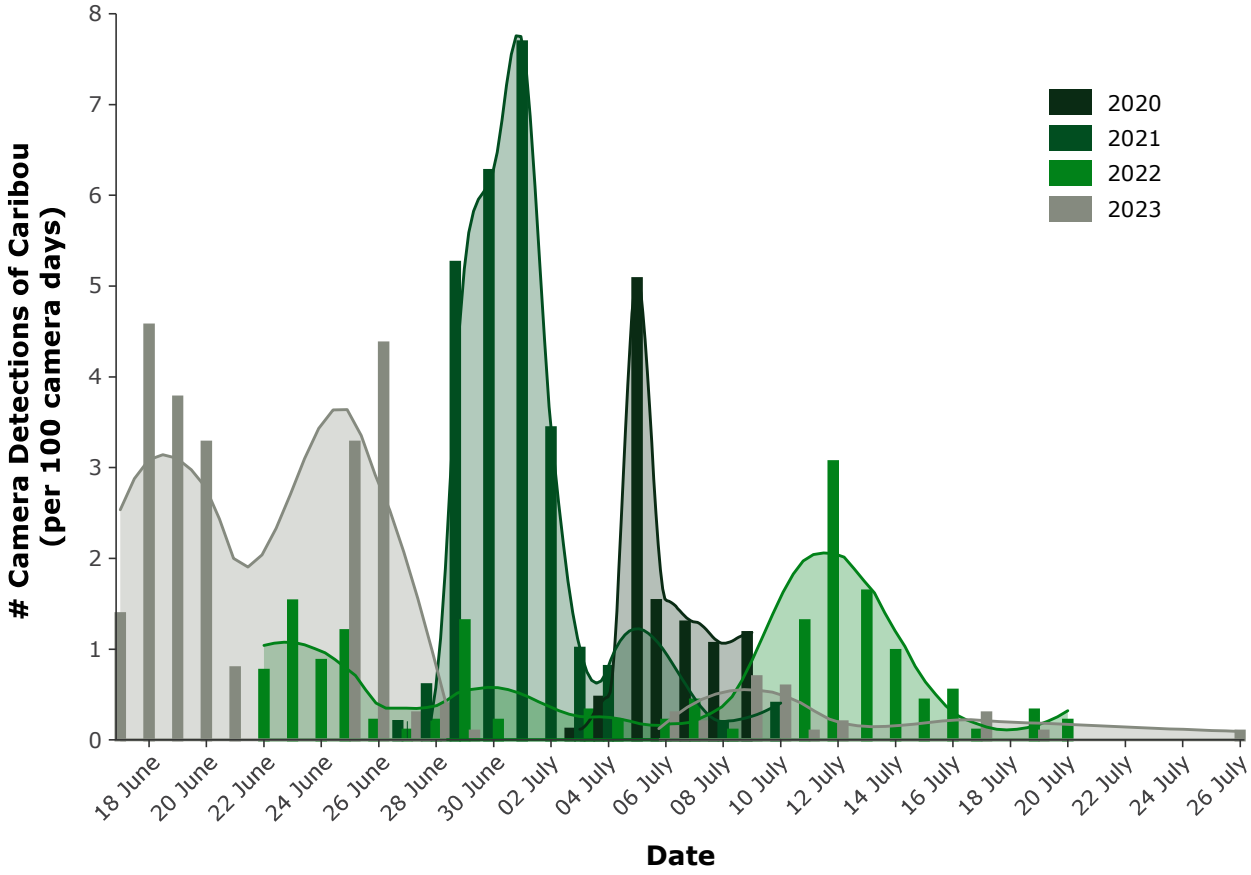

FIGURE 6.2-2 DISTRIBUTION OF CARIBOU DETECTIONS ON AWAR CAMERAS, 2020 TO 2023

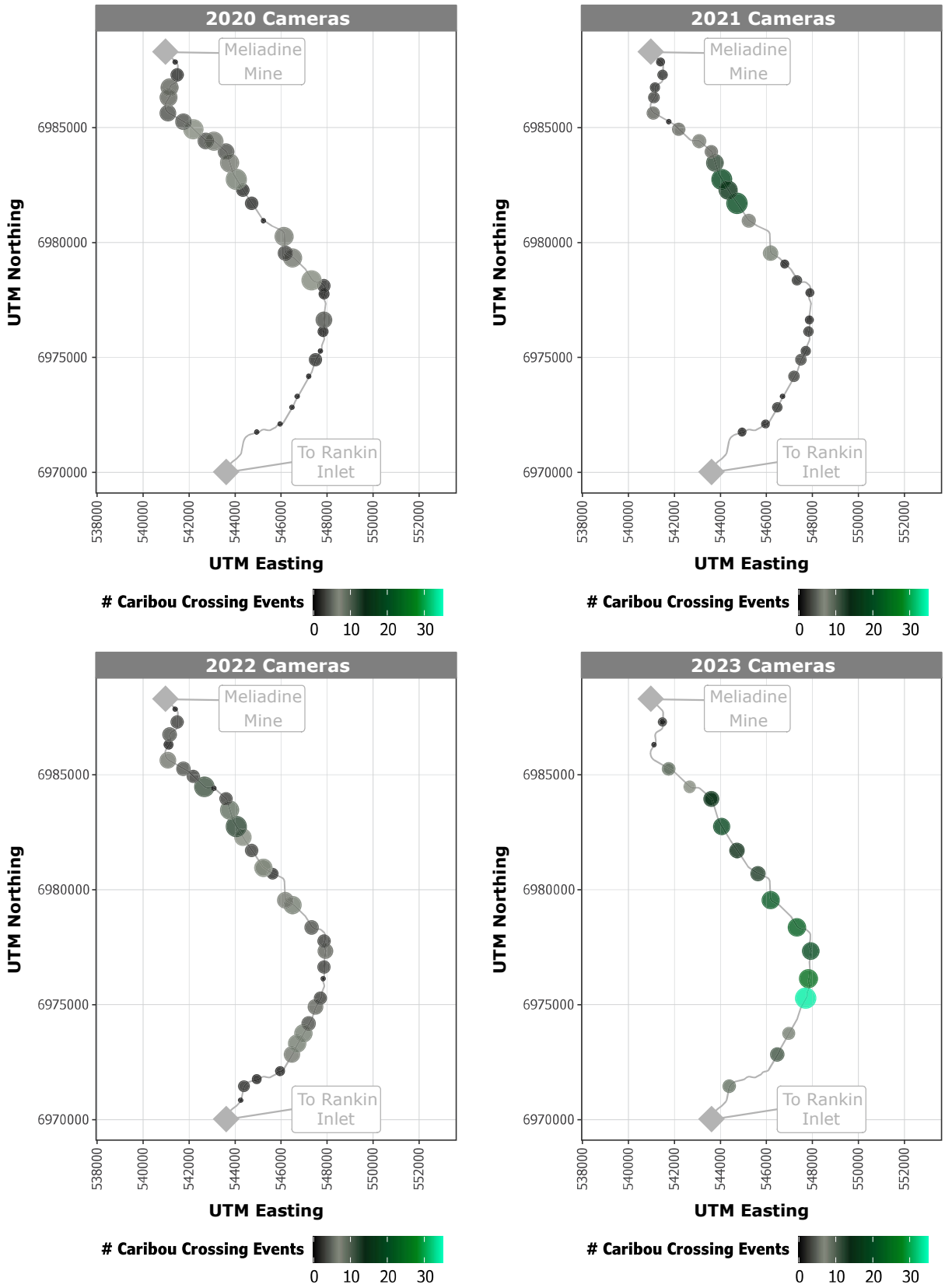


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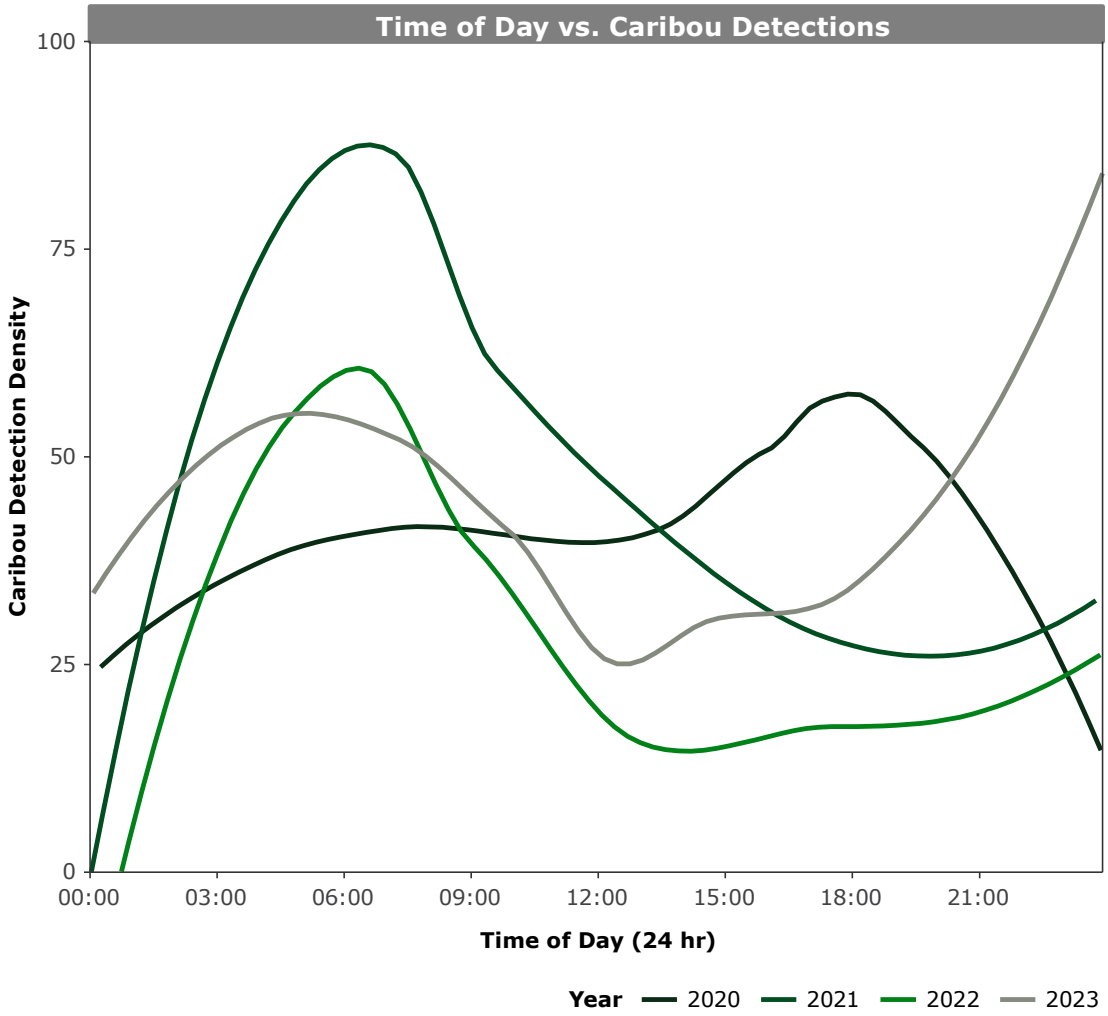
FIGURE 6.2-3 TIME OF DAY OF CARIBOU DETECTIONS ON AWAR CAMERAS, 2020 TO 2023



Overall, the results suggest that the span from KM 21-25 was a major crossing area in 2023 with 8% of all caribou detections recorded at KM 23, and an additional major crossing area identified spanning from KM 10 to KM 12 (Figure 6.2-2, Table 6.2-2). The major caribou crossing locations identified by Elders and community members in March 2020 are at KM 16, 22, and 27. The results from the 2023 cameras are highly consistent with this IQ.

TABLE 6.2-2 DISTRIBUTION OF MELIADINE MINE AWAR CARIBOU CROSSING LOCATIONS FROM CAMERAS (2020, 2021, 2022, AND 2023) AND FROM COLLAR DATA (2012-2019)

| AWAR KM | Proportion of Camera Observations (%) | | | | Proportion of Collar Observations (%) |
|---|---|---|---|---|---|
| | 2020 | 2021 | 2022 | 2023 | 2012-2019 |
| 7 | - | - | 0 | 0 | 0 |
| 8 | - | - | 1 | 4 | 2 |
| 9 | 0 | 1 | 1 | 0 | 4 |
| 10 | 0 | 1 | 1 | 0 | 6 |
| 11 | 0 | 2 | 9 | 4 | 6 |
| 12 | 0 | 2 | 8 | 3 | 6 |
| 13 | 2 | 2 | 3 | 0 | 5 |
| 14 | 0 | 2 | 2 | 14 | 5 |
| 15 | 5 | 2 | 2 | 10 | 4 |
| 16 | 1 | 1 | 5 | 8 | 6 |
| 17 | 10 | 2 | 3 | 9 | 2 |
| 18 | 0 | 1 | 0 | 0 | 2 |
| 19 | 10 | 6 | 9 | 9 | 5 |
| 20 | 7 | 0 | 1 | 5 | 2 |
| 21 | 0 | 5 | 10 | 0 | 4 |
| 22 | 4 | 27 | 7 | 6 | 3 |
| 23 | 9 | 15 | 8 | 8 | 8 |
| 24 | 11 | 13 | 8 | 11 | 3 |
| 25 | 11 | 5 | 7 | 3 | 3 |
| 26 | 8 | 4 | 2 | 0 | 4 |
| 27 | 9 | 4 | 7 | 6 | 2 |
| 28 | 5 | 2 | 1 | 0 | 8 |
| 29 | 8 | 3 | 5 | 1 | 6 |
| 30 | 0 | 1 | 0 | 0 | 7 |

The distribution of caribou crossings recorded in the camera data from 2020 to 2023, and collar data from previous years (2012 to 2019) is shown in Table 6.2-2, where values for each kilometre segment of the road are expressed as the proportion of total crossing events that occurred in that segment.

The extent of agreement between the hotspots identified in each dataset can be measured by testing the correlation: an index of linear relationship between variables. A correlation value of 100% would indicate that the number of crossings per kilometre in the camera data for one year are identical to the number of crossings per kilometer in the camera data from another year. A correlation value of 0% indicates there is no similarity between the locations identified in the two datasets.

The camera data from 2023 shares a 38% correlation with the camera data from 2022, a 28% correlation with the data from 2021, and a 39% correlation with the data from 2020. All three datasets show relatively high numbers of crossings between KM 21 and 25 (an IQ identified section). Both the collar data and camera data suggest that caribou may have preferred crossing locations along the AWAR that are generally consistent across multiple years, with annual variation in the use of these different sections of road.

Overall, the AWAR hotspots identified by the camera data in all years aligned more closely with the IQ identified hotspots than the collar data from 2012-2019. This makes sense as only a small fraction of caribou are collared, and therefore crossing locations identified from collar data may be only partially detected by collar data. Some inter-annual variation is expected and may also explain the differences noted between IQ, camera data, and collar data.

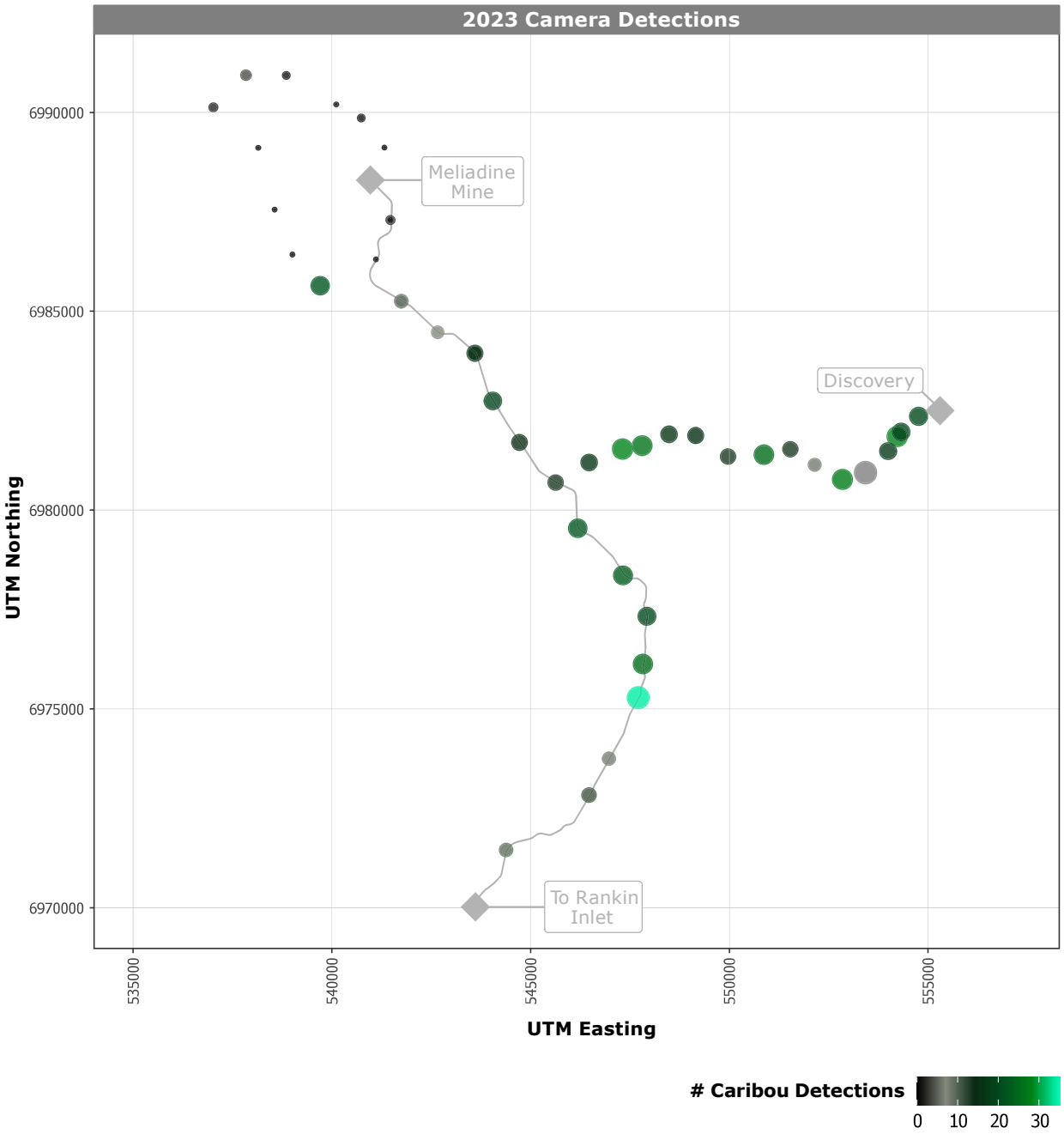
### 6.2.2 DISCOVERY CAMERAS

In 2023, the number of caribou detections per 100 camera days on the Discovery cameras was 42.58. Detections around the Discovery area are presented in Figure 6.2-4. Caribou detection density was relatively consistent across all cameras along the proposed Discovery Road, with no clear spatial pattern in detections. Most detections of caribou at Discovery occurred in late June (June 17 to June 28), with a second peak in detections around July 9.

### 6.2.3 MINE SITE CAMERAS

In 2023, the number of caribou detections per 100 camera days on the Mine site cameras was 10.34. Detections around the Mine site are presented in Figure 6.2-4. Caribou were predominantly detected south of the Mine site, closer to the AWAR. Most caribou detections around the Mine site occurred from June 17 to June 19.

FIGURE 6.2-4 CARIBOU DETECTIONS AT ALL MELIADINE MINE CAMERAS, 2023

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## 6.3 ROAD STRUCTURE SURVEY RESULTS AND CARIBOU

The next objective for this study was to use the information on the number of road crossings at each camera to determine if caribou tend to use certain road conditions for crossing, specifically: material of road construction (esker vs. quarry); side slope; road height; and surrounding vegetation type.

In 2020, road surveys for structure and substrate type were completed every 100 m along the length of the AWAR from KM 8 to the mine entrance at KM 30, totaling 210 surveys. The results of these surveys are presented in Figure 6.3-1. As the road structure has not changed significantly since 2020, the results from the survey were also used for analysis from 2021 to 2023.
Road structure was generally consistent, with 88% of the roadside slope measurements falling within the "moderate" category (15-30 degrees), and only 6% classified as steep (>30 degrees). Similarly, 92% of road height measurements were either low (<1 m from the tundra; 48%), or moderate (between 1-2 m from the tundra; 44%). The maximum road height measured was 4.9 m, but this value represented an outlier as it was measured on a bridge ramp.

The surveys indicated there was a higher proportion of road with esker as the substrate material in the northern two-thirds of the AWAR, and a higher proportion of quarry rock as the substrate material in the southern third of the AWAR (Figure 6.3-1). This was likely because there is a large esker at approximately KM 18 that was used to construct most of the northern part of the road. There was also a higher proportion of lowland habitat in the southern third of the AWAR.

The road structure at the site of each camera was compared with the number of caribou detected combined across all three years (Figure 6.3-2). Neither slope nor road height was highly correlated with the number of caribou detected crossing the road, as evidenced by the flat regression line fitted to the data. This may be due to the lack of variability in road height and slope along the length of the AWAR – most of the road had moderate side slope and low height.

When data was pooled across 2020, 2021, 2022, and 2023 caribou did appear to cross the road more readily where esker material was the substrate vs. fine-grained quarry rock, though quarry rock was concentrated in the southern portion of the road where the cameras were removed earlier in 2021, and sampling effort was lower in 2020. Differences in grain size between esker and quarry rock were also relatively small, which may limit any preference by caribou.
This suggests that the apparent preference by caribou of esker over quarry rock may be an artifact of the data, and not a true effect. The presence of a higher proportion of lowland habitat in the southern portion of the AWAR, which includes marshes and lakes, may have also reduced the number of locations where caribou are likely to cross.

Prior to the 2023 caribou migration, preparatory work for waterline installation took place along the AWAR alignment. Changes included placement of the waterline "bedding" (consisting of a narrow strip of flattened earthworks) along the side of the AWAR. In 2023, waterline construction focused on section from KM 15 to KM30. While this change does not largely effect the side slope or predominant material of the AWAR shoulder, the area at the toe of the slope was compacted and surfaced with smoothed substrate as compared to 2020 when the road survey was completed.

FIGURE 6.3-1 ROAD STRUCTURE SURVEY RESULTS

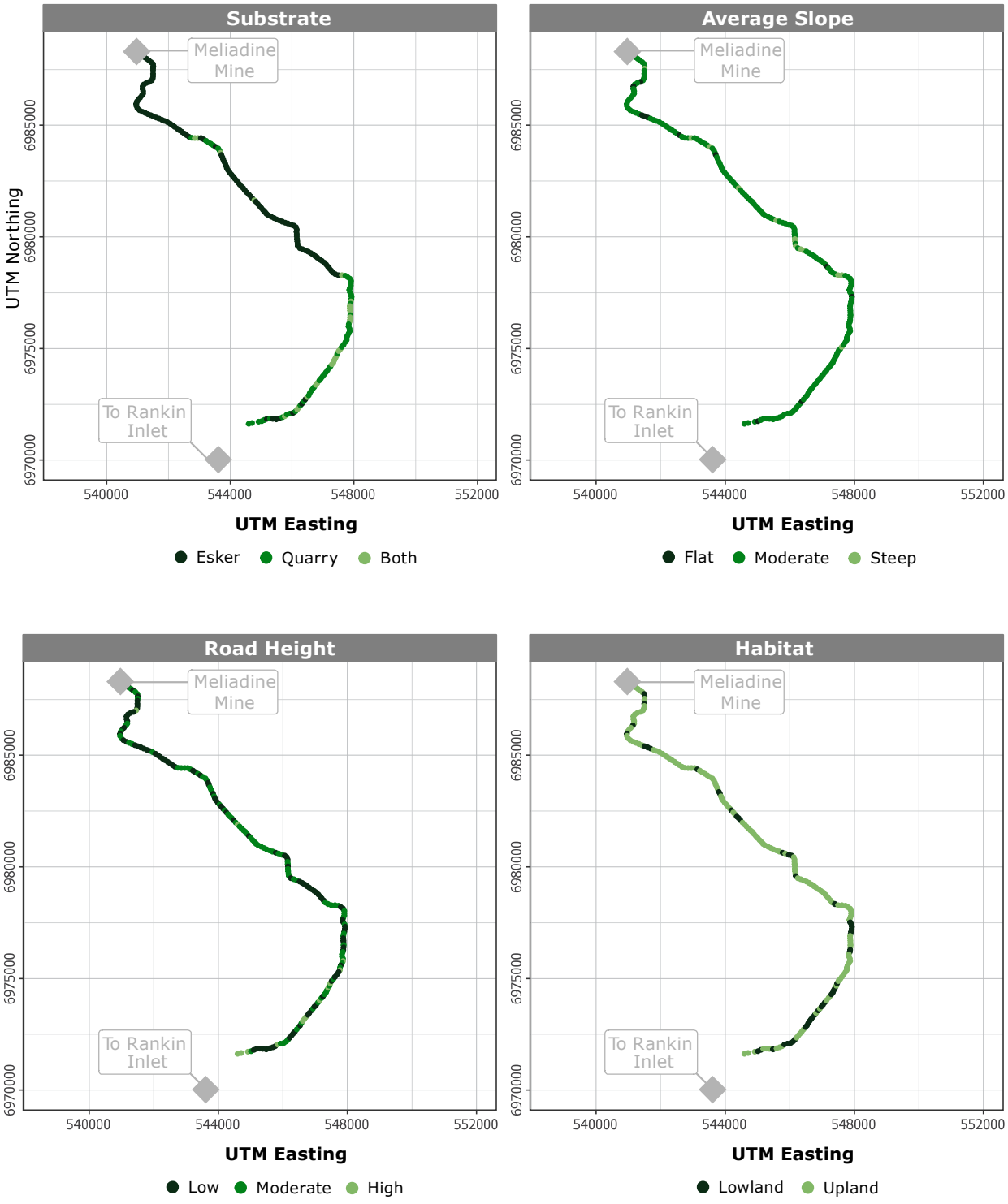


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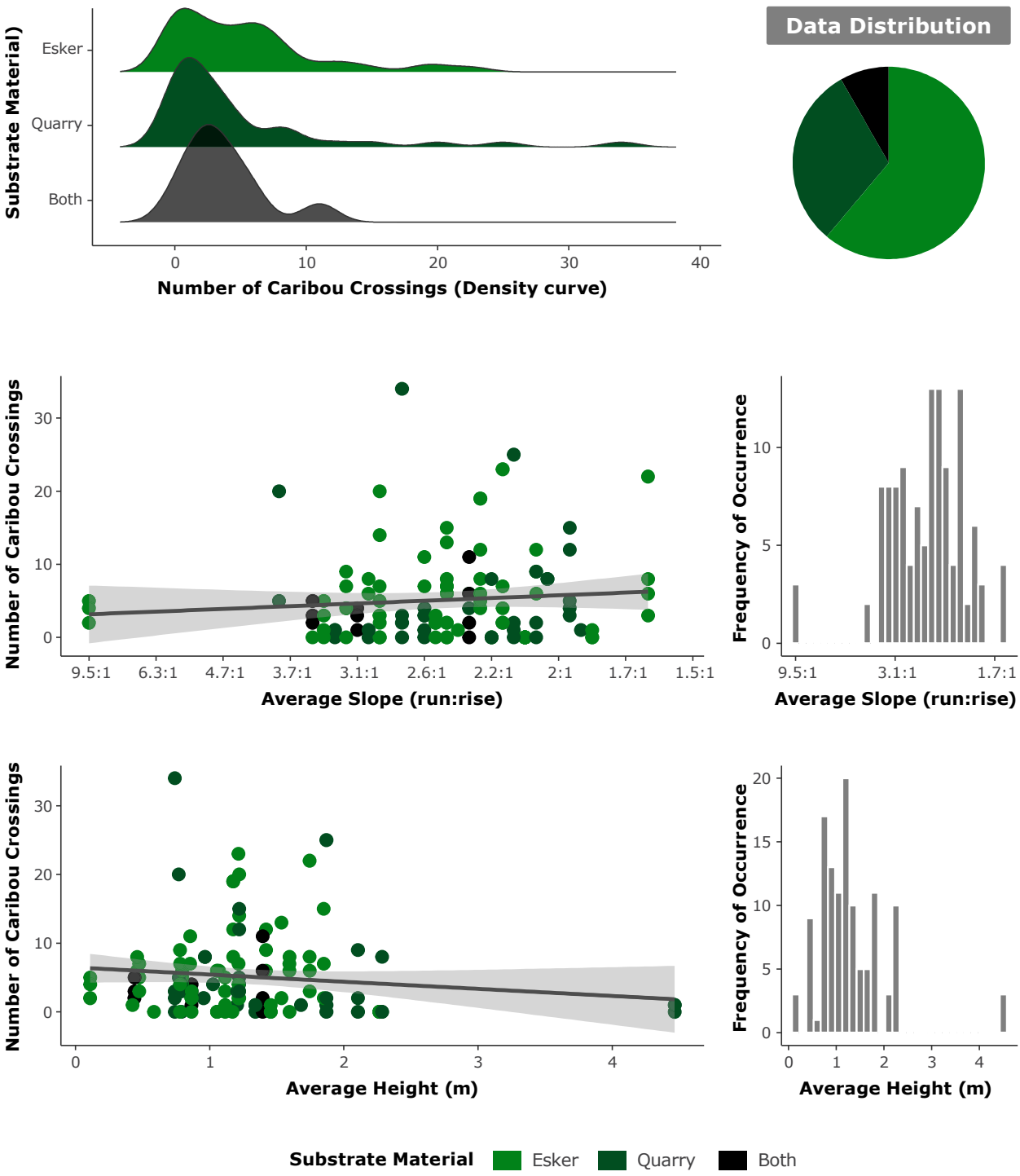
FIGURE 6.3-2 COMPARISONS OF ROAD STRUCTURE AND CARIBOU DETECTIONS, 2020 TO 2023

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GRAPHICS NUMBER: AGN-24ERM-001:6

## 6.4 VEHICLE DETECTIONS ON THE AWAR

In 2021, 2022, and 2023, the cameras were angled to better capture vehicle traffic on the road, based on lessons learned in 2020 when vehicle traffic was only captured incidentally. Because each camera had hundreds of vehicle triggers, it was decided that only four cameras (KM 8, 13, 23, and 27) would be fully processed for detailed vehicle information, while all other cameras had only the presence of an unclassified vehicle type recorded. A summary of vehicles detected on those four cameras is presented in Table 6.4-1 and Figure 6.4-1. It should be noted that the camera at KM 8 is south of the gatehouse, and thus captures increased local traffic (largely light vehicles and ATVs).

The three primary groups of vehicles (ATVs, pickups, and heavy vehicles) exhibited slightly different patterns of observations:

- There were more ATVs and light trucks in the southern section of the road compared to the northern section. This is consistent with a scenario of people traveling out from Rankin Inlet and either stopping along the road prior to the gatehouse or turning off to side trails and cabins along the road. Fewer ATVs were detected at KM 27 near the Mine.
- In 2023, the AWAR was closed near Rankin Inlet (approximately KM 6 of the AWAR) by the GN Conservation Officer and Kangiqliniq Hunters and Trappers Organization to all traffic during periods of increased caribou sensitivity, which may have reduced the number of ATVs observed. Despite this closure, ATV traffic was able to access the AWAR from pre-existing side trails.
- Heavy vehicles are relatively consistent between all four cameras, with more detections near KM 23 where hauling of materials for the waterline was occurring in late July when groups of caribou were no longer observed in the area and normal activity had resumed on the AWAR.

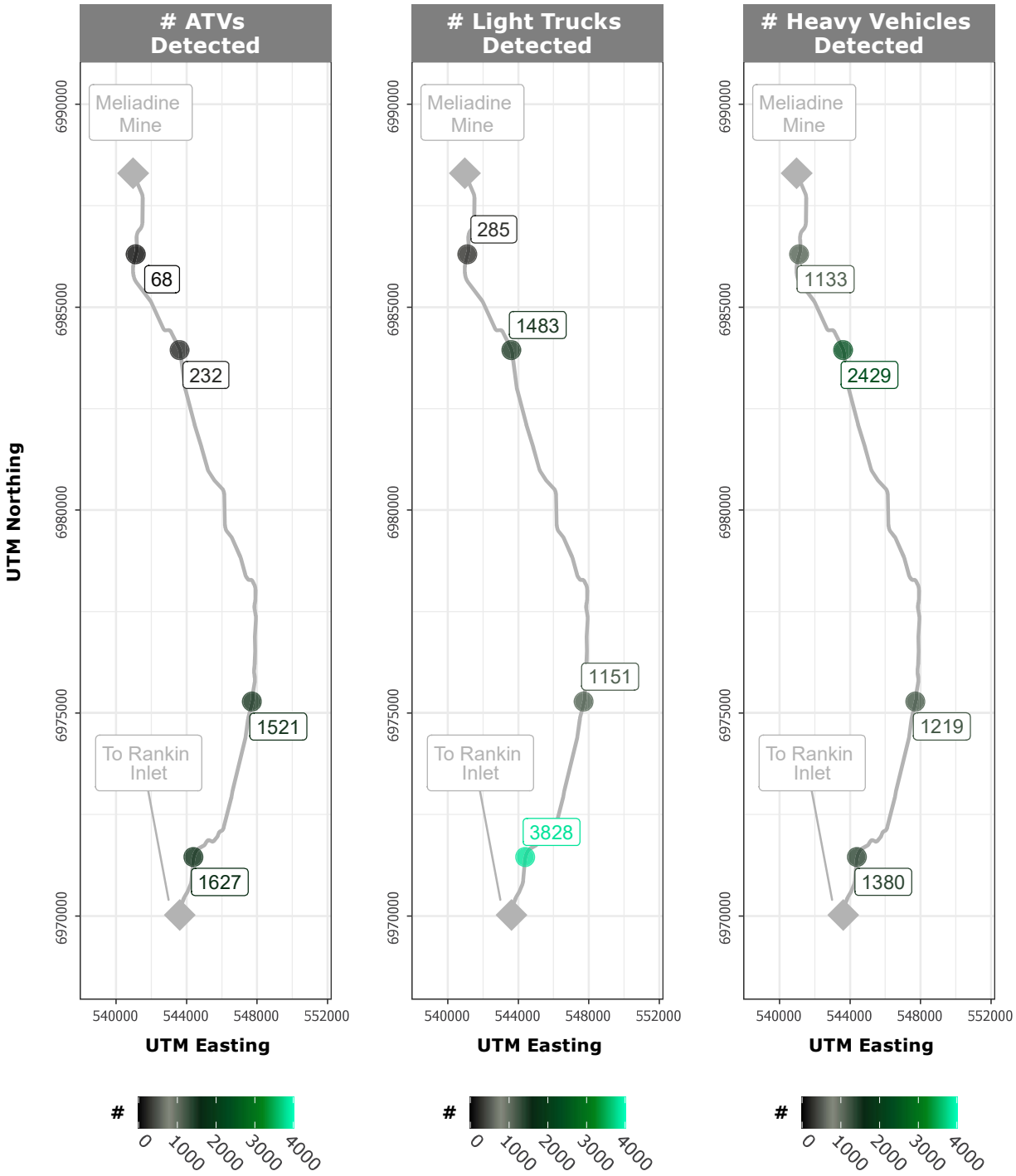
## 6.5 VEHICLE DETECTIONS AND CARIBOU

The average gap between vehicles detected on the AWAR when the road was open was 15.8 minutes, while the average gap between vehicles detected while the AWAR was open with restriction was 40.0 minutes, and the average gap when the AWAR was closed was 129.6 minutes. These values were calculated using all vehicle traffic detected at all cameras. Median time lag from a vehicle passing to a caribou crossing when the AWAR was open was 1.7 hours, when the AWAR was open with restriction was 3.7 hours, and when the AWAR was closed was 4.3 hours.
The increasing time lag between vehicle detection and caribou crossing does not necessarily suggest avoidance of traffic on the AWAR, but may instead reflect the largely reduced volume of traffic due to pre-emptive restriction on the AWAR when caribou are in the area (Table 6.4-1).

TABLE 6.4-1 VEHICLE DETECTIONS ACROSS THE FOUR AWAR CAMERAS PROCESSED, JUNE – JULY 2023

| Vehicle Type | Vehicle | AWAR Open (July 17 onward) | | AWAR Restricted | | AWAR Closed (convoys permitted with authorization) | |
|---|---|---|---|---|---|---|---|
| | | Average Number of Detections across Cameras | Proportion of Total Detections (%) | Average Number of Detections across Cameras | Proportion of Total Detections (%) | Average Number of Detections across Cameras | Proportion of Total Detections (%) |
| Heavy Vehicle | Ambulance | - | 0.08 | 3 | 0.09 | 3 | 0.31 |
| | Box Truck | 14 | 0.61 | 22 | 0.74 | - | - |
| | Fuel Tanker | 174 | 7.41 | 84 | 2.78 | 2 | 0.21 |
| | Grader | 14 | 0.60 | 22 | 0.72 | 5 | 0.52 |
| | Haul Truck | 338 | 14.38 | 476 | 15.70 | 5 | 0.52 |
| | Bus | 136 | 5.81 | 162 | 5.33 | 25 | 2.58 |
| | Tractor Trailer | 580 | 24.72 | 218 | 7.20 | 3 | 0.31 |
| | Water Truck | 11 | 0.48 | 19 | 0.62 | 1 | 0.10 |
| Light Truck | Pickup Truck | 811 | 34.54 | 1285 | 42.34 | 532 | 55.66 |
| | Service Truck | 16 | 0.68 | 10 | 0.31 | - | - |
| ATV | Side by Side and Quad | 227 | 9.68 | 730 | 24.07 | 380 | 39.67 |
| Other | Unidentifiable | 1 | 0.04 | 3 | 0.11 | 1 | 0.10 |
| **Total** | | **2,347** | **-** | **3,034** | **-** | **957** | **-** |

FIGURE 6.4-1 NUMBER OF VEHICLE DETECTIONS ON THE AWAR



# 7. SUMMARY

The results of this combined four-year study suggest the potential for multiple interacting factors explaining where and when caribou cross the AWAR. The choice of where to cross the road may be mitigated by several factors to varying degrees, including habitat, road traffic, substrate type, and inter-annual route fidelity (i.e., same route chosen every year).

Overall, this camera study was successful at capturing many caribou in numerous locations, including crossing the AWAR, in proximity to the Mine site, and along the proposed Discovery Road.

The **first objective** of this study was to evaluate how the AWAR and Mine site may affect caribou movement during migration. Key findings related to this objective are:

- The second highest rate of caribou detection events recorded during the four years of this study was recorded in 2023 (24.85 caribou per 100 camera days), suggesting no pattern of learned avoidance of the AWAR year to year.
- Detection rates at the Mine site (10.34 caribou per 100 camera days) were lower than along the AWAR in 2023, and higher (42.58 caribou per 100 camera days) in the Discovery area. Timing of caribou detections in these areas were aligned with those along the AWAR.
- Caribou were observed crossing the AWAR in different group sizes, ranging from single individuals to thousands, suggesting no strong avoidance by small or large caribou groups.

The **second objective** of this study was to evaluate if there were specific locations with high numbers of caribou observations along the AWAR in 2023, and compare these locations with those identified in 2020, 2021, 2022, and by collar data and IQ. Key findings related to this objective are:

- Peak caribou passage occurred earlier than the previous four years, with the most caribou detection events occurring on or around June 26. This timing was considerably earlier than previous study years, with a peak in detections approximately three weeks earlier than in 2022.
- The study found that caribou crossing timing and locations on the AWAR in 2023 were consistent with locations identified in 2020, 2021, 2022, and with locations identified by IQ from Elders and community members. The hotspots identified by the camera data in 2020, 2021, 2022, and 2023 aligned closely with the IQ identified hotspots.

The **third objective** of this study was to use the information on road crossings to determine whether caribou prefer to cross the road at locations with a particular set of road features, specifically: material of road construction (esker vs. quarry); side slope; road height; and surrounding vegetation type. Key findings related to this objective are:

- Road height and road-side slope did not have an impact on caribou crossing locations.
- Alternatively, since the structure of the road is relatively uniform along its length, there may not be enough difference in the shape, profile, or materials used to build the road to influence which sections of the road caribou prefer to cross, or crossing locations may be driven by surrounding features, such as habitat, trails, etc. Early-stage earthworks in preparation for the waterline were completed prior to caribou arrival in 2023, minorly altering the structure next to the AWAR.

- When data are pooled across all four years, caribou appeared to cross the AWAR more readily in the northern portion of the road where esker rock is more common as a substrate, though this may be an artifact of a sampling bias in the data (increased sampling closer to the Mine), or the result of inter-annual route fidelity.

The **fourth objective** of the study was to evaluate what relationship (if any) there is between vehicles recorded on the road and location/timing of caribou observations. Key findings related to this objective are:

- The average gap between vehicles detected on the AWAR when the road was open, restricted, and closed was 15.8, 40.0 minutes, and 129.6 minutes respectively.
- Vehicle traffic was observed to be greatly reduced during AWAR closure, with nearly all traffic coming from pickups (including caribou survey vehicles) or local ATVs.

The **final objective** of the 2023 study was to provide data on caribou occurrence in the Discovery area and in proximity to the Mine site. Key findings related to this objective are:

- Caribou were observed in both the Discovery and Mine areas, with the highest rate of detection on the Discovery cameras (42.58 caribou per 100 camera days).
- Detections of caribou from these areas in 2023 contribute to the overall understanding of caribou use of the Meliadine area during important parts of their lifecycle. These data may provide a comparison against data collected in the future to assist in understanding caribou response to the Mine and other factors.

Data discussed in this study provide multiple insights into caribou occurrence and movement in the Meliadine area, including differences across four years of available data. The findings from this study may be incorporated with other data sources, including concurrent behaviour surveys and collar data to inform potential cumulative effects on caribou from the Meliadine Mine and associated infrastructure or development. This study highlights the power of using motion-trigger cameras to draw connections between the many possible variables explaining caribou movement. The results suggest that multiple factors including interannual variation, vehicle traffic, and road substrate may contribute to when and where caribou occur in the Meliadine area, including crossing the AWAR.

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# APPENDIX A DATA FROM WILDLIFE CAMERAS

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM10 | 2023-06-02 18:20:13 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM01 | 2023-06-03 08:18:40 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| A10 | 2023-06-03 21:18:21 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM08 | 2023-06-03 22:26:23 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM05 | 2023-06-04 09:46:35 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM13 | 2023-06-04 19:26:43 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM10 | 2023-06-04 19:47:39 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| A09 | 2023-06-04 20:44:41 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM11 | 2023-06-04 22:15:42 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-06-04 22:20:11 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A06 | 2023-06-04 23:32:25 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM15 | 2023-06-05 09:02:48 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM34 | 2023-06-05 19:35:20 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| A07 | 2023-06-05 23:13:27 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM17 | 2023-06-05 23:15:23 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM21 | 2023-06-05 23:15:54 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM14 | 2023-06-06 07:14:23 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM34 | 2023-06-06 11:27:49 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM34 | 2023-06-06 11:47:57 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM34 | 2023-06-06 14:09:06 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM20 | 2023-06-06 23:44:48 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM05 | 2023-06-07 07:25:11 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM20 | 2023-06-07 16:38:26 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM10 | 2023-06-07 21:33:11 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM27 | 2023-06-08 01:46:57 | Arctic Fox | 1 | 0 | | FALSE | Mixed | NA |
| CAM07 | 2023-06-08 05:56:44 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| A15 | 2023-06-08 08:45:12 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM07 | 2023-06-08 09:29:59 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM25 | 2023-06-08 10:59:59 | Uncategorized Bird | 1 | 0 | Standing | FALSE | Mixed | NA |
| A04 | 2023-06-09 08:59:02 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM20 | 2023-06-09 12:18:30 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM27 | 2023-06-09 16:55:14 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM27 | 2023-06-09 17:14:00 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM09 | 2023-06-09 21:36:33 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| A06 | 2023-06-09 21:55:28 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM38 | 2023-06-10 10:26:38 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM27 | 2023-06-10 12:30:00 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM06 | 2023-06-10 14:19:07 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| A02 | 2023-06-10 14:55:08 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM34 | 2023-06-10 16:30:39 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| A12 | 2023-06-11 05:55:57 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM04 | 2023-06-11 07:59:59 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-11 10:30:39 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | NA |
| CAM38 | 2023-06-11 12:56:54 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM38 | 2023-06-11 13:12:13 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM17 | 2023-06-11 13:59:59 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM38 | 2023-06-11 15:08:12 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM38 | 2023-06-11 17:47:14 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM27 | 2023-06-11 18:44:34 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM18 | 2023-06-11 21:11:21 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM38 | 2023-06-11 22:43:59 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM27 | 2023-06-12 00:32:15 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| A15 | 2023-06-12 00:34:37 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A15 | 2023-06-12 03:45:35 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM38 | 2023-06-12 04:48:53 | Uncategorized Bird | 8 | 0 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-12 05:29:59 | Uncategorized Bird | 8 | 0 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-12 05:59:59 | Uncategorized Bird | 7 | 0 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-12 06:29:59 | Uncategorized Bird | 8 | 0 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-12 06:59:59 | Uncategorized Bird | 6 | 0 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-12 07:16:25 | Uncategorized Bird | 8 | 0 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-12 08:59:59 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-12 09:27:42 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM38 | 2023-06-12 14:19:35 | Uncategorized Bird | 4 | 0 | Walking | FALSE | Mixed | NA |
| CAM38 | 2023-06-12 14:59:59 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-12 17:58:14 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM18 | 2023-06-12 19:36:38 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM38 | 2023-06-12 19:55:25 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM10 | 2023-06-12 20:17:02 | Uncategorized Bird | 3 | 0 | Feeding | FALSE | Mixed | NA |
| CAM11 | 2023-06-12 23:58:27 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A15 | 2023-06-13 02:27:19 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A11 | 2023-06-13 09:21:05 | Uncategorized Bird | 3 | 0 | | FALSE | Mixed | |
| CAM38 | 2023-06-13 09:59:30 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM21 | 2023-06-13 10:00:00 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| A03 | 2023-06-13 10:18:38 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM03 | 2023-06-13 10:24:06 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM28 | 2023-06-13 10:59:59 | Arctic Ground Squirrel | 1 | 0 | | FALSE | Mixed | |
| CAM28 | 2023-06-13 11:11:27 | Uncategorized Bird | 2 | 0 | | FALSE | Mixed | |
| CAM38 | 2023-06-13 17:18:27 | Uncategorized Bird | 13 | 0 | Flying | FALSE | Mixed | NA |
| CAM27 | 2023-06-13 19:47:03 | Uncategorized Bird | 3 | 0 | Flying | FALSE | Mixed | NA |
| CAM14 | 2023-06-13 20:13:37 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM38 | 2023-06-13 20:32:49 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-06-14 09:36:48 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-14 12:17:07 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM13 | 2023-06-14 12:18:12 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM06 | 2023-06-14 12:23:29 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| A05 | 2023-06-14 12:26:29 | Uncategorized Bird | 4 | 0 | | FALSE | Mixed | |
| CAM08 | 2023-06-14 12:59:37 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| A05 | 2023-06-14 13:39:38 | Uncategorized Bird | 7 | 0 | | FALSE | Mixed | |
| CAM20 | 2023-06-14 14:27:57 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| A15 | 2023-06-14 17:43:52 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM04 | 2023-06-14 17:58:17 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-06-14 21:50:14 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM04 | 2023-06-14 21:55:11 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-15 08:02:58 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM25 | 2023-06-16 03:53:06 | Caribou | 10 | 1 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-16 04:49:51 | Caribou | 10 | 0 | Feeding | FALSE | Mixed | NA |
| CAM15 | 2023-06-16 05:12:02 | Caribou | 4 | 0 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-16 10:05:37 | Caribou | 80 | 20 | Feeding | FALSE | Mixed | NA |
| CAM12 | 2023-06-16 11:29:59 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-16 13:07:50 | Caribou | 0 | 1 | Walking | FALSE | Mixed | NA |
| CAM15 | 2023-06-16 13:22:45 | Caribou | 10 | 0 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-16 13:59:34 | Uncategorized Bird | 3 | 0 | Walking | FALSE | Mixed | NA |
| CAM16 | 2023-06-16 17:49:28 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM16 | 2023-06-16 18:54:26 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM15 | 2023-06-16 19:08:13 | Caribou | 1 | 1 | Feeding | FALSE | Mixed | NA |
| CAM20 | 2023-06-16 19:35:22 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM18 | 2023-06-16 20:00:00 | Caribou | 6 | 0 | Feeding | FALSE | Mixed | NA |
| CAM15 | 2023-06-16 20:55:41 | Caribou | 3 | 0 | Feeding | FALSE | Mixed | NA |
| A15 | 2023-06-16 21:26:57 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM25 | 2023-06-16 21:28:52 | Caribou | 9 | 4 | Running | FALSE | Mixed | NA |
| CAM15 | 2023-06-16 21:39:27 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM20 | 2023-06-16 23:07:19 | Caribou | 1 | 0 | Inspecting camera | FALSE | Mixed | NA |
| A02 | 2023-06-17 00:57:57 | Caribou | 1 | 0 | Feeding | FALSE | Female | left |
| CAM15 | 2023-06-17 02:24:57 | Caribou | 8 | 0 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-17 02:50:45 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM16 | 2023-06-17 02:56:02 | Caribou | 8 | 0 | Feeding | FALSE | Mixed | NA |
| CAM18 | 2023-06-17 03:15:53 | Caribou | 5 | 3 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-17 03:22:39 | Caribou | 8 | 4 | Feeding | FALSE | Mixed | NA |
| CAM16 | 2023-06-17 03:39:01 | Caribou | 4 | 0 | Feeding | FALSE | Mixed | NA |
| CAM15 | 2023-06-17 03:43:39 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-17 04:17:37 | Caribou | 1 | 1 | Standing | FALSE | Mixed | NA |
| A02 | 2023-06-17 04:43:40 | Caribou | 2 | 0 | Walking | FALSE | Female | left |
| CAM20 | 2023-06-17 05:39:50 | Caribou | 3 | 0 | Inspecting camera | FALSE | Mixed | NA |
| CAM25 | 2023-06-17 06:00:42 | Caribou | 2 | 1 | Running | FALSE | Mixed | NA |
| CAM16 | 2023-06-17 06:29:59 | Caribou | 2 | 2 | Running | FALSE | Mixed | NA |
| CAM01 | 2023-06-17 07:10:26 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| A02 | 2023-06-17 07:44:32 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A05 | 2023-06-17 08:41:45 | Caribou | 15 | 0 | Feeding | TRUE | Female | left |
| CAM25 | 2023-06-17 08:54:10 | Caribou | 2 | 2 | Walking | FALSE | Mixed | NA |
| CAM25 | 2023-06-17 09:53:25 | Caribou | 6 | 1 | Feeding | FALSE | Mixed | NA |
| CAM16 | 2023-06-17 09:59:59 | Caribou | 5 | 0 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-17 10:14:42 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM15 | 2023-06-17 10:18:42 | Caribou | 2 | 0 | Walking | FALSE | Mixed | NA |
| A04 | 2023-06-17 10:24:28 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM16 | 2023-06-17 10:54:58 | Caribou | 10 | 3 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-17 11:10:13 | Caribou | 80 | 20 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-17 11:24:26 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM15 | 2023-06-17 11:29:59 | Caribou | 13 | 0 | Feeding | FALSE | Mixed | NA |
| A05 | 2023-06-17 11:37:28 | Caribou | 7 | 0 | Feeding | FALSE | Female | left |
| CAM18 | 2023-06-17 11:43:51 | Caribou | 20 | 10 | Feeding | FALSE | Mixed | NA |
| CAM16 | 2023-06-17 12:19:20 | Caribou | 20 | 10 | Feeding | FALSE | Mixed | NA |
| A05 | 2023-06-17 12:29:04 | Caribou | 12 | 3 | Feeding | TRUE | Mixed | left |
| CAM15 | 2023-06-17 12:33:42 | Caribou | 15 | 5 | Feeding | FALSE | Mixed | NA |
| CAM18 | 2023-06-17 12:58:51 | Caribou | 50 | 20 | Feeding | FALSE | Mixed | NA |
| A02 | 2023-06-17 13:25:28 | Caribou | 6 | 0 | Feeding | FALSE | Mixed | left |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM15 | 2023-06-17 13:59:59 | Caribou | 20 | 10 | Feeding | FALSE | Mixed | NA |
| CAM18 | 2023-06-17 14:00:00 | Caribou | 60 | 20 | Feeding | FALSE | Mixed | NA |
| A04 | 2023-06-17 14:40:52 | Caribou | 5 | 0 | Feeding | TRUE | Female | left |
| CAM25 | 2023-06-17 15:22:31 | Caribou | 20 | 20 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-17 15:29:59 | Caribou | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM20 | 2023-06-17 16:07:25 | Caribou | 1 | 0 | Inspecting camera | FALSE | Mixed | NA |
| CAM18 | 2023-06-17 16:30:00 | Caribou | 200 | 100 | Feeding | FALSE | Mixed | NA |
| CAM15 | 2023-06-17 16:36:49 | Caribou | 80 | 20 | Feeding | FALSE | Mixed | NA |
| CAM16 | 2023-06-17 16:47:50 | Caribou | 80 | 20 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-06-17 16:51:06 | Caribou | 40 | 20 | Feeding | FALSE | Mixed | NA |
| A15 | 2023-06-17 16:59:55 | Caribou | 1 | 1 | Walking | FALSE | Mixed | left |
| CAM13 | 2023-06-17 17:01:54 | Caribou | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM18 | 2023-06-17 17:06:11 | Caribou | 200 | 100 | Feeding | FALSE | Mixed | NA |
| CAM13 | 2023-06-17 17:45:56 | Caribou | 40 | 10 | Walking | FALSE | Mixed | NA |
| CAM16 | 2023-06-17 18:02:06 | Caribou | 39 | 11 | Walking | FALSE | Mixed | NA |
| A04 | 2023-06-17 18:09:41 | Caribou | 2 | 0 | Walking | TRUE | Female | left |
| A06 | 2023-06-17 18:13:14 | Caribou | 5 | 3 | Walking | TRUE | Mixed | left |
| CAM14 | 2023-06-17 19:27:05 | Caribou | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM13 | 2023-06-17 19:56:46 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM10 | 2023-06-17 20:00:00 | Caribou | 11 | 2 | Feeding | FALSE | Mixed | NA |
| CAM11 | 2023-06-17 20:18:06 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM14 | 2023-06-17 20:22:37 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-17 20:59:59 | Caribou | 20 | 10 | Feeding | FALSE | Mixed | NA |
| CAM20 | 2023-06-17 21:00:43 | Caribou | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM13 | 2023-06-17 21:10:33 | Caribou | 48 | 9 | Feeding | FALSE | Mixed | NA |
| A04 | 2023-06-17 21:22:23 | Caribou | 15 | 2 | Walking | TRUE | Mixed | left |
| A02 | 2023-06-17 21:26:09 | Caribou | 35 | 6 | Feeding | TRUE | Female | left |
| CAM20 | 2023-06-17 21:29:59 | Caribou | 4 | 0 | Feeding | FALSE | Female | NA |
| CAM09 | 2023-06-17 21:39:25 | Caribou | 10 | 0 | Feeding | FALSE | Mixed | NA |
| CAM17 | 2023-06-17 22:06:01 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM14 | 2023-06-17 22:10:00 | Caribou | 4 | 1 | Running | FALSE | Mixed | NA |
| A06 | 2023-06-17 22:20:39 | Caribou | 8 | 2 | Walking | TRUE | Mixed | left |
| CAM09 | 2023-06-17 22:22:31 | Caribou | 10 | 0 | Inspecting camera | FALSE | Mixed | NA |
| CAM18 | 2023-06-17 22:23:37 | Caribou | 30 | 10 | Walking | FALSE | Mixed | NA |
| CAM10 | 2023-06-17 22:26:09 | Caribou | 5 | 4 | Walking | FALSE | Mixed | NA |
| A07 | 2023-06-17 22:35:37 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM17 | 2023-06-17 22:36:55 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| A15 | 2023-06-17 22:39:35 | Caribou | 4 | 5 | Walking | TRUE | Mixed | left |
| CAM15 | 2023-06-17 22:43:00 | Caribou | 40 | 20 | Feeding | FALSE | Mixed | NA |
| CAM06 | 2023-06-17 22:58:16 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM10 | 2023-06-17 23:09:44 | Caribou | 20 | 5 | Feeding | FALSE | Mixed | NA |
| CAM16 | 2023-06-17 23:11:08 | Caribou | 60 | 20 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-06-17 23:19:38 | Caribou | 1 | 0 | Inspecting camera | FALSE | Mixed | NA |
| CAM13 | 2023-06-17 23:38:40 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM15 | 2023-06-17 23:41:33 | Caribou | 35 | 15 | Feeding | FALSE | Mixed | NA |
| A02 | 2023-06-18 00:22:28 | Caribou | 1 | 1 | Feeding | FALSE | Mixed | left |
| CAM09 | 2023-06-18 00:32:00 | Caribou | 5 | 2 | Feeding | FALSE | Mixed | NA |
| A02 | 2023-06-18 00:58:40 | Caribou | 12 | 2 | Feeding | TRUE | Mixed | left |
| A04 | 2023-06-18 01:29:00 | Caribou | 0 | 1 | Inspecting camera | FALSE | Mixed | left |
| A15 | 2023-06-18 01:37:11 | Caribou | 1 | 1 | Walking | TRUE | Mixed | left |
| CAM11 | 2023-06-18 01:46:00 | Caribou | 1 | 1 | Walking | TRUE | Female | left |
| CAM15 | 2023-06-18 02:10:04 | Caribou | 20 | 10 | Feeding | FALSE | Mixed | NA |
| CAM10 | 2023-06-18 02:21:57 | Caribou | 35 | 10 | Feeding | FALSE | Mixed | NA |
| CAM01 | 2023-06-18 02:23:43 | Caribou | 10 | 10 | Feeding | FALSE | Mixed | NA |
| A02 | 2023-06-18 02:42:10 | Caribou | 6 | 3 | Feeding | FALSE | Female | left |
| A15 | 2023-06-18 02:42:17 | Caribou | 1 | 0 | Walking | TRUE | Mixed | left |
| CAM16 | 2023-06-18 02:46:33 | Caribou | 2 | 1 | Feeding | FALSE | Mixed | NA |
| CAM13 | 2023-06-18 02:57:19 | Caribou | 30 | 0 | Feeding | FALSE | Mixed | NA |
| CAM15 | 2023-06-18 03:13:08 | Caribou | 40 | 10 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-18 03:19:34 | Caribou | 29 | 8 | Walking | FALSE | Mixed | NA |
| CAM09 | 2023-06-18 03:29:59 | Caribou | 6 | 0 | Feeding | FALSE | Mixed | NA |
| CAM04 | 2023-06-18 03:41:21 | Caribou | 3 | 0 | Feeding | FALSE | Mixed | NA |
| CAM16 | 2023-06-18 03:43:45 | Caribou | 6 | 5 | Feeding | FALSE | Mixed | NA |
| CAM19 | 2023-06-18 03:47:58 | Caribou | 1 | 0 | Walking | TRUE | Male | right |
| CAM12 | 2023-06-18 04:15:44 | Caribou | 35 | 10 | Feeding | FALSE | Mixed | NA |
| CAM01 | 2023-06-18 04:23:03 | Caribou | 1 | 0 | Feeding | FALSE | Female | NA |
| CAM15 | 2023-06-18 04:27:38 | Caribou | 80 | 30 | Feeding | FALSE | Mixed | NA |
| CAM16 | 2023-06-18 04:35:23 | Caribou | 2 | 0 | Running | FALSE | Mixed | NA |
| CAM11 | 2023-06-18 04:36:09 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM14 | 2023-06-18 04:51:48 | Caribou | 45 | 15 | Feeding | FALSE | Mixed | NA |
| CAM18 | 2023-06-18 05:00:00 | Caribou | 10 | 5 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-06-18 05:02:47 | Caribou | 2 | 0 | Walking | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| A02 | 2023-06-18 05:15:04 | Caribou | 8 | 4 | Feeding | TRUE | Mixed | left |
| CAM04 | 2023-06-18 05:40:04 | Caribou | 5 | 0 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-18 05:49:34 | Caribou | 40 | 20 | Feeding | FALSE | Mixed | NA |
| CAM12 | 2023-06-18 06:00:53 | Caribou | 1 | 0 | Inspecting camera | FALSE | Mixed | NA |
| CAM20 | 2023-06-18 06:01:33 | Caribou | 1 | 0 | Feeding | FALSE | Female | NA |
| CAM04 | 2023-06-18 06:22:38 | Caribou | 15 | 0 | Feeding | FALSE | Mixed | NA |
| CAM04 | 2023-06-18 07:04:51 | Caribou | 19 | 0 | Feeding | FALSE | Mixed | NA |
| CAM13 | 2023-06-18 07:12:43 | Caribou | 100 | 15 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-06-18 07:20:26 | Caribou | 5 | 0 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-06-18 07:29:59 | Caribou | 4 | 2 | Feeding | FALSE | Mixed | NA |
| CAM10 | 2023-06-18 07:32:48 | Caribou | 2 | 1 | Walking | FALSE | Mixed | NA |
| CAM04 | 2023-06-18 07:37:29 | Caribou | 180 | 15 | Feeding | FALSE | Mixed | NA |
| CAM01 | 2023-06-18 07:38:13 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| A02 | 2023-06-18 07:39:39 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM03 | 2023-06-18 07:41:23 | Caribou | 60 | 25 | Feeding | FALSE | Mixed | NA |
| CAM18 | 2023-06-18 08:15:14 | Caribou | 100 | 50 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-06-18 08:16:56 | Caribou | 100 | 0 | Feeding | FALSE | Mixed | NA |
| CAM20 | 2023-06-18 08:29:59 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM09 | 2023-06-18 08:40:25 | Caribou | 13 | 0 | Feeding | FALSE | Mixed | NA |
| CAM07 | 2023-06-18 08:45:22 | Caribou | 250 | 80 | Walking | FALSE | Mixed | NA |
| CAM10 | 2023-06-18 08:47:28 | Caribou | 21 | 12 | Running | FALSE | Mixed | NA |
| CAM12 | 2023-06-18 08:50:22 | Caribou | 24 | 12 | Walking | FALSE | Mixed | NA |
| CAM04 | 2023-06-18 08:51:22 | Caribou | 100 | 10 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-06-18 08:58:10 | Caribou | 3 | 2 | Walking | FALSE | Mixed | NA |
| CAM15 | 2023-06-18 09:28:31 | Caribou | 150 | 50 | Feeding | FALSE | Mixed | NA |
| CAM08 | 2023-06-18 09:34:38 | Caribou | 50 | 0 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-06-18 09:37:32 | Caribou | 25 | 10 | Feeding | FALSE | Mixed | NA |
| CAM16 | 2023-06-18 09:37:40 | Caribou | 33 | 4 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-06-18 10:09:31 | Caribou | 60 | 20 | Resting | FALSE | Mixed | NA |
| CAM05 | 2023-06-18 11:24:46 | Caribou | 200 | 50 | Feeding | FALSE | Mixed | NA |
| CAM13 | 2023-06-18 11:25:31 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM08 | 2023-06-18 11:30:00 | Caribou | 300 | NA | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-06-18 11:47:46 | Caribou | 5 | 4 | Feeding | FALSE | Mixed | NA |
| CAM11 | 2023-06-18 11:49:12 | Caribou | 4 | 0 | Walking | TRUE | Mixed | left |
| A13 | 2023-06-18 11:52:09 | Caribou | 6 | 0 | Walking | TRUE | Mixed | left |
| CAM15 | 2023-06-18 11:59:59 | Caribou | 40 | 20 | Feeding | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM09 | 2023-06-18 12:26:44 | Caribou | 30 | 10 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-06-18 12:58:28 | Caribou | 40 | 10 | Feeding | FALSE | Mixed | NA |
| CAM04 | 2023-06-18 13:00:00 | Caribou | 62 | 0 | Feeding | FALSE | Mixed | NA |
| CAM07 | 2023-06-18 13:00:54 | Caribou | 20 | 5 | Feeding | FALSE | Mixed | NA |
| A02 | 2023-06-18 13:21:31 | Caribou | 200 | 50 | Feeding | TRUE | Mixed | left |
| A04 | 2023-06-18 13:42:42 | Caribou | 1 | 0 | Inspecting camera | FALSE | Mixed | left |
| CAM16 | 2023-06-18 13:42:48 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM01 | 2023-06-18 13:56:14 | Caribou | 1 | 0 | Walking | FALSE | Female | NA |
| CAM20 | 2023-06-18 13:57:37 | Caribou | 1 | 0 | Feeding | FALSE | Female | NA |
| A12 | 2023-06-18 14:24:21 | Caribou | 2 | 2 | Walking | TRUE | Mixed | left |
| CAM20 | 2023-06-18 14:30:00 | Caribou | 8 | 0 | Feeding | FALSE | Mixed | NA |
| CAM10 | 2023-06-18 14:42:14 | Caribou | 23 | 8 | Walking | FALSE | Mixed | NA |
| A06 | 2023-06-18 14:47:22 | Caribou | 6 | 3 | Walking | TRUE | Mixed | right |
| CAM13 | 2023-06-18 14:57:56 | Caribou | 30 | 0 | Walking | FALSE | Mixed | NA |
| CAM18 | 2023-06-18 15:00:00 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM15 | 2023-06-18 15:44:32 | Caribou | 3 | 2 | Feeding | FALSE | Mixed | NA |
| CAM11 | 2023-06-18 15:59:47 | Caribou | 1 | 0 | Walking | FALSE | Female | left |
| A13 | 2023-06-18 16:00:10 | Caribou | 1 | 0 | Walking | FALSE | Male | left |
| A02 | 2023-06-18 16:14:07 | Caribou | 6 | 2 | Feeding | FALSE | Mixed | left |
| CAM09 | 2023-06-18 16:29:59 | Caribou | 12 | 6 | Walking | FALSE | Mixed | NA |
| A05 | 2023-06-18 16:36:58 | Caribou | 30 | 4 | Feeding | TRUE | Mixed | left |
| A12 | 2023-06-18 16:38:31 | Caribou | 1 | 0 | Walking | TRUE | Female | right |
| CAM10 | 2023-06-18 16:43:28 | Caribou | 30 | 5 | Feeding | FALSE | Mixed | NA |
| CAM16 | 2023-06-18 16:54:36 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| A04 | 2023-06-18 16:58:24 | Caribou | 1 | 1 | Walking | FALSE | Mixed | left |
| CAM11 | 2023-06-18 17:06:50 | Caribou | 1 | 0 | Walking | TRUE | Female | left |
| A13 | 2023-06-18 17:07:13 | Caribou | 1 | 0 | Walking | TRUE | Female | left |
| CAM14 | 2023-06-18 17:33:26 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM20 | 2023-06-18 18:00:00 | Caribou | 20 | 0 | Feeding | FALSE | Mixed | NA |
| CAM12 | 2023-06-18 18:14:10 | Caribou | 11 | 1 | Walking | FALSE | Mixed | NA |
| CAM09 | 2023-06-18 18:16:29 | Caribou | 8 | 5 | Walking | FALSE | Mixed | NA |
| CAM11 | 2023-06-18 18:21:11 | Caribou | 2 | 1 | Walking | TRUE | Female | left |
| A07 | 2023-06-18 18:32:19 | Caribou | 2 | 0 | Walking | TRUE | Mixed | right |
| CAM17 | 2023-06-18 18:33:34 | Caribou | 2 | 0 | Walking | TRUE | Female | right |
| A15 | 2023-06-18 18:55:52 | Caribou | 5 | 3 | Feeding | TRUE | Mixed | left |
| CAM09 | 2023-06-18 19:09:04 | Caribou | 4 | 2 | Walking | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM11 | 2023-06-18 19:22:12 | Caribou | 10 | 6 | Walking | TRUE | Mixed | left |
| A13 | 2023-06-18 19:24:56 | Caribou | 5 | 3 | Walking | TRUE | Mixed | right |
| CAM19 | 2023-06-18 19:25:20 | Caribou | 2 | 0 | Walking | TRUE | Female | right |
| A12 | 2023-06-18 19:26:15 | Caribou | 3 | 2 | Walking | TRUE | Mixed | left |
| CAM17 | 2023-06-18 19:53:32 | Caribou | 3 | 0 | Walking | TRUE | Female | left |
| A05 | 2023-06-18 19:54:18 | Caribou | 30 | 7 | Feeding | TRUE | Mixed | left |
| CAM13 | 2023-06-18 19:59:59 | Caribou | 9 | 1 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-18 20:15:01 | Caribou | 70 | 40 | Feeding | FALSE | Mixed | NA |
| CAM11 | 2023-06-18 20:33:44 | Caribou | 2 | 2 | Walking | TRUE | Mixed | left |
| A13 | 2023-06-18 20:36:50 | Caribou | 3 | 1 | Walking | TRUE | Mixed | left |
| CAM15 | 2023-06-18 20:42:40 | Caribou | 3 | 2 | Running | FALSE | Mixed | NA |
| CAM25 | 2023-06-18 20:48:58 | Caribou | 2 | 0 | | FALSE | Mixed | NA |
| CAM18 | 2023-06-18 20:55:00 | Caribou | 40 | 10 | Feeding | FALSE | Mixed | NA |
| A15 | 2023-06-18 21:00:36 | Caribou | 2 | 0 | Walking | FALSE | Female | left |
| CAM11 | 2023-06-18 21:07:36 | Caribou | 25 | 10 | Feeding | TRUE | Mixed | left |
| A13 | 2023-06-18 21:08:05 | Caribou | 1 | 0 | Walking | FALSE | Mixed | left |
| CAM16 | 2023-06-18 21:13:51 | Caribou | 2 | 2 | Walking | FALSE | Mixed | NA |
| CAM11 | 2023-06-18 21:18:11 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A13 | 2023-06-18 21:43:47 | Caribou | 8 | 2 | Walking | TRUE | Mixed | right |
| A04 | 2023-06-18 21:45:22 | Caribou | 500 | 100 | Walking | TRUE | Mixed | left |
| A03 | 2023-06-18 22:18:06 | Caribou | 3 | 1 | Walking | TRUE | Mixed | right |
| CAM25 | 2023-06-18 22:22:17 | Caribou | 20 | 10 | Resting | FALSE | Mixed | NA |
| CAM04 | 2023-06-18 22:22:37 | Caribou | 55 | 5 | Feeding | FALSE | Mixed | NA |
| CAM11 | 2023-06-18 22:45:15 | Caribou | 6 | 7 | Running | TRUE | Mixed | right |
| A13 | 2023-06-18 22:45:58 | Caribou | 3 | 6 | Walking | TRUE | Mixed | right |
| CAM03 | 2023-06-18 22:53:42 | Caribou | 20 | 2 | Feeding | FALSE | Mixed | NA |
| A03 | 2023-06-18 23:28:22 | Caribou | 1 | 0 | Feeding | FALSE | Female | left |
| CAM11 | 2023-06-18 23:38:54 | Caribou | 11 | 9 | Walking | TRUE | Mixed | left |
| A13 | 2023-06-18 23:39:05 | Caribou | 7 | 3 | Running | TRUE | Mixed | left |
| A12 | 2023-06-19 00:04:24 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | left |
| CAM25 | 2023-06-19 00:40:07 | Caribou | 1 | 3 | Running | FALSE | Mixed | NA |
| CAM03 | 2023-06-19 01:00:00 | Caribou | 30 | 2 | Feeding | FALSE | Mixed | NA |
| CAM04 | 2023-06-19 01:24:15 | Caribou | 4 | 1 | Walking | FALSE | Mixed | NA |
| A03 | 2023-06-19 02:08:51 | Caribou | 1 | 0 | Walking | FALSE | Female | left |
| A04 | 2023-06-19 03:03:53 | Caribou | 40 | 20 | Resting | TRUE | Mixed | right |
| CAM11 | 2023-06-19 03:17:09 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| A04 | 2023-06-19 03:49:00 | Caribou | 200 | 50 | Walking | TRUE | Mixed | left |
| A03 | 2023-06-19 04:00:26 | Caribou | 1 | 0 | Walking | TRUE | Female | right |
| A06 | 2023-06-19 04:04:09 | Caribou | 12 | 7 | Walking | TRUE | Mixed | left |
| A04 | 2023-06-19 04:42:07 | Caribou | 200 | 50 | Walking | TRUE | Mixed | left |
| CAM08 | 2023-06-19 05:45:04 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| A04 | 2023-06-19 05:51:10 | Caribou | 500 | 100 | Feeding | TRUE | Mixed | left |
| A06 | 2023-06-19 05:59:23 | Caribou | 1 | 2 | Standing | FALSE | Female | left |
| CAM21 | 2023-06-19 06:02:11 | Caribou | 1 | 0 | Walking | TRUE | Mixed | left |
| A06 | 2023-06-19 06:45:17 | Caribou | 0 | 1 | Running | FALSE | Female | left |
| CAM09 | 2023-06-19 06:53:53 | Caribou | 30 | 10 | Walking | FALSE | Mixed | NA |
| A04 | 2023-06-19 07:48:35 | Caribou | 20 | 5 | Walking | TRUE | Mixed | left |
| A03 | 2023-06-19 08:16:37 | Caribou | 1 | 0 | Feeding | TRUE | Female | right |
| A15 | 2023-06-19 08:23:03 | Caribou | 10 | 6 | Walking | TRUE | Mixed | left |
| A04 | 2023-06-19 08:29:04 | Caribou | 1 | 0 | Walking | TRUE | Female | left |
| CAM01 | 2023-06-19 08:40:03 | Caribou | 3 | 0 | Feeding | FALSE | Female | NA |
| CAM01 | 2023-06-19 09:17:07 | Caribou | 42 | 26 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-19 09:57:52 | Caribou | 24 | 4 | Feeding | FALSE | Mixed | NA |
| A04 | 2023-06-19 10:14:09 | Caribou | 5 | 4 | Running | TRUE | Mixed | left |
| A03 | 2023-06-19 10:16:25 | Caribou | 1 | 0 | Walking | FALSE | Female | left |
| CAM03 | 2023-06-19 10:41:15 | Caribou | 40 | 20 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-19 10:41:58 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| A05 | 2023-06-19 10:44:50 | Caribou | 1 | 0 | Walking | FALSE | Female | left |
| A15 | 2023-06-19 10:54:58 | Caribou | 1 | 0 | Walking | FALSE | Female | left |
| CAM21 | 2023-06-19 11:28:13 | Caribou | 5 | 0 | Feeding | TRUE | Female | left |
| CAM04 | 2023-06-19 11:29:59 | Caribou | 500 | 100 | Walking | FALSE | Mixed | NA |
| A03 | 2023-06-19 11:47:07 | Caribou | 5 | 0 | Feeding | TRUE | Female | left |
| CAM20 | 2023-06-19 11:59:59 | Caribou | 10 | 0 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-19 12:00:00 | Caribou | 8 | 7 | Feeding | FALSE | Mixed | NA |
| CAM19 | 2023-06-19 12:00:00 | Caribou | 50 | 0 | Feeding | FALSE | Mixed | right |
| CAM20 | 2023-06-19 12:30:00 | Caribou | 15 | 0 | Feeding | FALSE | Mixed | NA |
| CAM11 | 2023-06-19 12:42:47 | Caribou | 5 | 1 | Feeding | TRUE | Female | left |
| A13 | 2023-06-19 12:43:00 | Caribou | 5 | 1 | Walking | TRUE | Female | left |
| CAM01 | 2023-06-19 13:10:07 | Caribou | 2 | 0 | Feeding | FALSE | Female | NA |
| CAM20 | 2023-06-19 13:19:07 | Caribou | 9 | 0 | Feeding | FALSE | Mixed | NA |
| CAM17 | 2023-06-19 13:21:01 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM38 | 2023-06-19 13:40:03 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| A15 | 2023-06-19 13:47:38 | Caribou | 1 | 0 | Walking | FALSE | Female | left |
| CAM19 | 2023-06-19 14:00:00 | Caribou | 200 | 0 | Feeding | FALSE | Mixed | right |
| CAM20 | 2023-06-19 14:13:02 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-06-19 14:19:24 | Caribou | 25 | 8 | Feeding | FALSE | Mixed | NA |
| CAM01 | 2023-06-19 14:27:13 | Caribou | 12 | 12 | Feeding | FALSE | Mixed | NA |
| A07 | 2023-06-19 14:39:33 | Caribou | 2 | 1 | Walking | TRUE | Mixed | left |
| CAM17 | 2023-06-19 14:40:46 | Caribou | 3 | 2 | Feeding | TRUE | Female | right |
| A02 | 2023-06-19 14:46:41 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| A03 | 2023-06-19 14:47:49 | Caribou | 1 | 0 | Feeding | FALSE | Female | left |
| CAM20 | 2023-06-19 14:53:29 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-19 15:30:00 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-19 15:51:42 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM19 | 2023-06-19 15:58:17 | Caribou | 6 | 0 | Walking | TRUE | Mixed | right |
| CAM07 | 2023-06-19 16:08:28 | Caribou | 30 | 0 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-19 16:48:58 | Caribou | 14 | 10 | Feeding | FALSE | Mixed | NA |
| A02 | 2023-06-19 16:55:30 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM21 | 2023-06-19 17:19:02 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A06 | 2023-06-19 17:46:44 | Caribou | 3 | 3 | Walking | TRUE | Mixed | left |
| A09 | 2023-06-19 17:52:07 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A03 | 2023-06-19 17:58:11 | Caribou | 1 | 0 | Walking | FALSE | Female | left |
| CAM03 | 2023-06-19 18:00:22 | Caribou | 35 | 15 | Feeding | FALSE | Mixed | NA |
| CAM07 | 2023-06-19 18:00:26 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM01 | 2023-06-19 18:31:39 | Caribou | 34 | 12 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-06-19 18:46:10 | Caribou | 20 | 5 | Feeding | FALSE | Mixed | NA |
| CAM04 | 2023-06-19 18:49:53 | Caribou | 10 | 3 | Walking | FALSE | Mixed | NA |
| A04 | 2023-06-19 19:09:08 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM04 | 2023-06-19 19:59:59 | Caribou | 200 | 50 | Feeding | FALSE | Mixed | NA |
| CAM20 | 2023-06-19 19:59:59 | Caribou | 31 | 4 | Feeding | FALSE | Mixed | NA |
| CAM17 | 2023-06-19 20:34:09 | Caribou | 3 | 1 | Walking | TRUE | Female | right |
| A07 | 2023-06-19 20:36:19 | Caribou | 1 | 1 | Walking | TRUE | Mixed | left |
| A06 | 2023-06-19 21:31:22 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A07 | 2023-06-19 21:48:21 | Caribou | 1 | 0 | Inspecting camera | FALSE | Female | left |
| CAM17 | 2023-06-19 21:49:33 | Caribou | 1 | 0 | Feeding | FALSE | Female | left |
| CAM20 | 2023-06-19 21:59:59 | Caribou | 17 | 0 | Feeding | FALSE | Mixed | NA |
| CAM18 | 2023-06-19 22:01:36 | Caribou | 3 | 1 | Walking | FALSE | Mixed | NA |
| CAM20 | 2023-06-19 22:30:00 | Caribou | 8 | 2 | Feeding | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM04 | 2023-06-19 22:59:59 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| A15 | 2023-06-19 23:00:29 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A04 | 2023-06-19 23:19:24 | Caribou | 200 | 30 | Walking | TRUE | Mixed | left |
| CAM20 | 2023-06-19 23:24:58 | Caribou | 16 | 2 | Feeding | FALSE | Mixed | NA |
| A02 | 2023-06-19 23:46:59 | Caribou | 300 | 50 | Feeding | TRUE | Mixed | right |
| CAM04 | 2023-06-20 00:06:52 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| A03 | 2023-06-20 00:16:40 | Caribou | 1 | 0 | Walking | TRUE | Female | left |
| CAM20 | 2023-06-20 00:59:59 | Caribou | 2 | 0 | Walking | FALSE | Mixed | NA |
| A04 | 2023-06-20 01:02:42 | Caribou | 400 | 120 | Walking | TRUE | Mixed | left |
| A02 | 2023-06-20 01:20:13 | Caribou | 20 | 5 | Walking | FALSE | Mixed | left |
| CAM05 | 2023-06-20 02:00:00 | Caribou | 60 | 10 | Feeding | FALSE | Mixed | NA |
| A02 | 2023-06-20 02:49:35 | Caribou | 200 | 25 | Feeding | TRUE | Mixed | left |
| CAM08 | 2023-06-20 02:54:54 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| A05 | 2023-06-20 03:37:37 | Caribou | 1 | 0 | Feeding | FALSE | Female | left |
| CAM11 | 2023-06-20 03:39:28 | Caribou | 1 | 0 | Walking | TRUE | Female | left |
| A13 | 2023-06-20 03:39:39 | Caribou | 1 | 0 | Walking | TRUE | Female | left |
| CAM07 | 2023-06-20 03:59:59 | Caribou | 60 | 0 | Feeding | FALSE | Mixed | NA |
| CAM04 | 2023-06-20 04:29:59 | Caribou | 100 | 0 | Feeding | FALSE | Mixed | NA |
| A05 | 2023-06-20 04:47:19 | Caribou | 200 | 40 | Running | TRUE | Mixed | left |
| A03 | 2023-06-20 05:00:04 | Caribou | 5 | 0 | Feeding | TRUE | Female | right |
| CAM07 | 2023-06-20 05:36:27 | Caribou | 25 | 8 | Feeding | FALSE | Mixed | NA |
| A02 | 2023-06-20 05:41:42 | Caribou | 6 | 2 | Feeding | TRUE | Mixed | left |
| A04 | 2023-06-20 05:59:29 | Caribou | 0 | 1 | Inspecting camera | FALSE | Mixed | left |
| A06 | 2023-06-20 06:04:00 | Caribou | 6 | 7 | Walking | TRUE | Mixed | right |
| CAM20 | 2023-06-20 06:08:41 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| A12 | 2023-06-20 06:11:34 | Caribou | 20 | 4 | Walking | TRUE | Mixed | left |
| CAM08 | 2023-06-20 06:26:27 | Caribou | 250 | 50 | Feeding | FALSE | Mixed | NA |
| A03 | 2023-06-20 06:29:07 | Caribou | 1 | 0 | Walking | TRUE | Female | left |
| CAM04 | 2023-06-20 06:38:28 | Caribou | 300 | 50 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-20 06:44:36 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-20 07:11:45 | Caribou | 33 | 18 | Walking | FALSE | Mixed | NA |
| CAM09 | 2023-06-20 07:26:19 | Caribou | 250 | 50 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-20 07:47:29 | Caribou | 260 | 100 | Walking | FALSE | Mixed | NA |
| A06 | 2023-06-20 08:32:05 | Caribou | 1 | 0 | Running | FALSE | Female | left |
| A05 | 2023-06-20 08:43:25 | Caribou | 1 | 0 | Running | FALSE | Female | left |
| CAM10 | 2023-06-20 08:47:49 | Caribou | 30 | 7 | Feeding | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM07 | 2023-06-20 08:54:08 | Caribou | 35 | 0 | Walking | FALSE | Mixed | NA |
| CAM05 | 2023-06-20 09:02:50 | Caribou | 20 | 10 | Walking | FALSE | Mixed | NA |
| A07 | 2023-06-20 09:07:42 | Caribou | 2 | 0 | Walking | TRUE | Female | left |
| CAM17 | 2023-06-20 09:08:51 | Caribou | 3 | 0 | Feeding | TRUE | Male | left |
| CAM13 | 2023-06-20 09:18:56 | Caribou | 100 | 0 | Walking | FALSE | Mixed | NA |
| CAM01 | 2023-06-20 09:19:35 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM21 | 2023-06-20 09:22:29 | Caribou | 3 | 1 | Feeding | TRUE | Female | left |
| CAM14 | 2023-06-20 09:43:22 | Caribou | 180 | 50 | Walking | FALSE | Mixed | NA |
| CAM17 | 2023-06-20 09:50:35 | Caribou | 1 | 0 | Walking | TRUE | Male | left |
| CAM12 | 2023-06-20 09:51:27 | Caribou | 60 | 0 | Feeding | FALSE | Mixed | NA |
| CAM13 | 2023-06-20 09:59:59 | Caribou | 200 | 0 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-06-20 10:10:30 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM03 | 2023-06-20 10:14:09 | Caribou | 50 | 30 | Walking | FALSE | Mixed | NA |
| CAM04 | 2023-06-20 10:17:58 | Caribou | 200 | 0 | Feeding | FALSE | Mixed | NA |
| CAM08 | 2023-06-20 10:24:32 | Caribou | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM15 | 2023-06-20 10:29:20 | Caribou | 200 | 50 | Feeding | FALSE | Mixed | NA |
| A07 | 2023-06-20 10:29:24 | Caribou | 0 | 1 | Running | FALSE | Mixed | left |
| CAM17 | 2023-06-20 10:29:59 | Caribou | 0 | 1 | Running | FALSE | Mixed | left |
| CAM18 | 2023-06-20 10:30:00 | Caribou | 200 | 100 | Feeding | FALSE | Mixed | NA |
| CAM21 | 2023-06-20 10:36:25 | Caribou | 35 | 14 | Walking | TRUE | Female | left |
| CAM09 | 2023-06-20 10:38:01 | Caribou | 20 | 5 | Walking | FALSE | Mixed | NA |
| CAM16 | 2023-06-20 10:42:30 | Caribou | 150 | 50 | Feeding | FALSE | Mixed | NA |
| A06 | 2023-06-20 10:45:54 | Caribou | 18 | 3 | Walking | TRUE | Mixed | left |
| CAM05 | 2023-06-20 10:53:31 | Caribou | 90 | 30 | Walking | FALSE | Mixed | NA |
| CAM08 | 2023-06-20 10:58:12 | Caribou | 400 | 100 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-06-20 11:12:52 | Caribou | 130 | 20 | Walking | FALSE | Mixed | NA |
| CAM13 | 2023-06-20 11:22:52 | Caribou | 200 | 0 | Feeding | FALSE | Mixed | NA |
| CAM09 | 2023-06-20 11:28:21 | Caribou | 150 | 50 | Walking | FALSE | Mixed | NA |
| CAM01 | 2023-06-20 11:40:20 | Caribou | 22 | 14 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-20 11:50:20 | Caribou | 150 | 150 | Walking | FALSE | Mixed | NA |
| CAM21 | 2023-06-20 11:50:20 | Caribou | 10 | 6 | Walking | TRUE | Female | left |
| CAM10 | 2023-06-20 12:05:40 | Caribou | 13 | 8 | Walking | FALSE | Mixed | NA |
| A03 | 2023-06-20 12:40:23 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM15 | 2023-06-20 12:40:31 | Caribou | 200 | 50 | Feeding | FALSE | Mixed | NA |
| CAM18 | 2023-06-20 12:41:34 | Caribou | 200 | 100 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-20 12:56:25 | Caribou | 10 | 5 | Feeding | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM06 | 2023-06-20 13:00:00 | Caribou | 1 | 0 | Feeding | FALSE | Female | right |
| A07 | 2023-06-20 13:01:21 | Caribou | 6 | 1 | Walking | TRUE | Mixed | left |
| CAM17 | 2023-06-20 13:02:30 | Caribou | 9 | 2 | Walking | TRUE | Mixed | right |
| CAM09 | 2023-06-20 13:13:03 | Caribou | 6 | 2 | Walking | FALSE | Mixed | NA |
| CAM13 | 2023-06-20 13:58:08 | Caribou | 300 | 0 | Walking | FALSE | Mixed | NA |
| CAM18 | 2023-06-20 13:59:30 | Caribou | 250 | 100 | Feeding | FALSE | Mixed | NA |
| CAM12 | 2023-06-20 13:59:59 | Caribou | 28 | 8 | Resting | FALSE | Mixed | NA |
| CAM11 | 2023-06-20 14:01:15 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A02 | 2023-06-20 14:04:29 | Caribou | 2 | 2 | Walking | FALSE | Female | left |
| CAM08 | 2023-06-20 14:08:20 | Caribou | 15 | 5 | Walking | FALSE | Mixed | NA |
| CAM25 | 2023-06-20 14:16:48 | Caribou | 70 | 20 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-06-20 14:26:35 | Caribou | 30 | 0 | Walking | FALSE | Mixed | NA |
| CAM06 | 2023-06-20 14:36:08 | Caribou | 1 | 0 | Feeding | FALSE | Female | left |
| CAM09 | 2023-06-20 14:42:28 | Caribou | 20 | 10 | Walking | FALSE | Mixed | NA |
| CAM15 | 2023-06-20 14:48:39 | Caribou | 200 | 50 | Feeding | FALSE | Mixed | NA |
| CAM04 | 2023-06-20 15:07:39 | Caribou | 11 | 7 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-06-20 15:22:05 | Caribou | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-20 16:17:14 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM13 | 2023-06-20 16:53:09 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM10 | 2023-06-20 17:00:00 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-20 17:19:42 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM13 | 2023-06-20 17:24:50 | Caribou | 0 | 1 | Walking | FALSE | Mixed | NA |
| CAM08 | 2023-06-20 17:26:54 | Caribou | 2 | 0 | Walking | FALSE | Mixed | NA |
| A02 | 2023-06-20 17:29:35 | Caribou | 1 | 0 | Inspecting camera | FALSE | Female | left |
| CAM09 | 2023-06-20 17:36:11 | Caribou | 9 | 3 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-20 17:53:40 | Caribou | 7 | 0 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-20 18:03:48 | Caribou | 35 | 15 | Walking | FALSE | Mixed | NA |
| CAM11 | 2023-06-20 18:10:33 | Uncategorized Bird | 4 | 0 | | FALSE | Mixed | |
| CAM09 | 2023-06-20 19:00:00 | Caribou | 1 | 0 | Resting | FALSE | Mixed | NA |
| CAM13 | 2023-06-20 20:04:35 | Caribou | 12 | 4 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-20 20:20:05 | Caribou | 3 | 1 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-20 20:55:55 | Caribou | 6 | 5 | Walking | FALSE | Mixed | NA |
| CAM19 | 2023-06-20 21:14:14 | Caribou | 20 | 12 | Running | TRUE | Mixed | left |
| CAM14 | 2023-06-20 21:29:59 | Caribou | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-06-20 22:42:35 | Caribou | 35 | 6 | Feeding | FALSE | Mixed | NA |
| CAM19 | 2023-06-20 23:54:26 | Caribou | 20 | 7 | Walking | TRUE | Mixed | left |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM15 | 2023-06-21 04:20:15 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| A02 | 2023-06-21 04:33:03 | Caribou | 15 | 6 | Feeding | FALSE | Mixed | left |
| CAM03 | 2023-06-21 05:30:00 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM13 | 2023-06-21 07:10:15 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM01 | 2023-06-21 07:10:56 | Uncategorized Bird | 6 | 0 | Flying | FALSE | Mixed | NA |
| A02 | 2023-06-21 08:13:19 | Caribou | 50 | 5 | Feeding | TRUE | Mixed | left |
| CAM09 | 2023-06-21 09:51:25 | Caribou | 30 | 10 | Walking | FALSE | Mixed | NA |
| A12 | 2023-06-21 09:52:27 | Caribou | 4 | 0 | Running | FALSE | Mixed | left |
| A06 | 2023-06-21 10:36:54 | Caribou | 35 | 10 | Walking | TRUE | Mixed | left |
| CAM09 | 2023-06-21 10:51:07 | Caribou | 40 | 15 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-21 11:06:56 | Caribou | 100 | 70 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-21 11:07:01 | Uncategorized Bird | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM04 | 2023-06-21 11:10:51 | Caribou | 30 | 0 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-06-21 11:13:31 | Uncategorized Bird | 1 | 0 | Resting | FALSE | Mixed | NA |
| CAM04 | 2023-06-21 12:04:07 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM11 | 2023-06-21 12:12:57 | Caribou | 2 | 0 | Walking | TRUE | Female | left |
| A13 | 2023-06-21 12:13:06 | Caribou | 2 | 0 | Walking | TRUE | Male | left |
| CAM18 | 2023-06-21 12:18:43 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM07 | 2023-06-21 12:22:49 | Caribou | 7 | 1 | Walking | FALSE | Mixed | NA |
| CAM18 | 2023-06-21 12:23:56 | Caribou | 30 | 10 | Walking | FALSE | Mixed | NA |
| CAM08 | 2023-06-21 12:30:00 | Caribou | 15 | 5 | Feeding | FALSE | Mixed | NA |
| A02 | 2023-06-21 12:39:40 | Uncategorized Bird | 1 | 0 |  | FALSE | Mixed |  |
| CAM13 | 2023-06-21 12:54:26 | Caribou | 13 | 2 | Walking | FALSE | Mixed | NA |
| CAM09 | 2023-06-21 13:05:22 | Caribou | 27 | 9 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-21 13:07:41 | Caribou | 10 | 5 | Walking | FALSE | Mixed | NA |
| A06 | 2023-06-21 13:34:56 | Caribou | 5 | 3 | Walking | TRUE | Mixed | left |
| CAM08 | 2023-06-21 14:20:51 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-21 15:54:46 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-06-21 16:19:07 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM04 | 2023-06-21 17:00:00 | Caribou | 150 | 0 | Feeding | FALSE | Mixed | NA |
| A04 | 2023-06-21 19:27:54 | Caribou | 40 | 0 | Walking | FALSE | Mixed | right |
| CAM13 | 2023-06-21 20:20:56 | Caribou | 105 | 45 | Feeding | FALSE | Mixed | NA |
| CAM21 | 2023-06-21 20:51:03 | Arctic Fox | 1 | 0 |  | FALSE | Mixed |  |
| A02 | 2023-06-21 21:32:38 | Uncategorized Bird | 1 | 0 |  | FALSE | Mixed |  |
| CAM13 | 2023-06-21 21:59:59 | Caribou | 150 | 80 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-06-21 22:35:34 | Caribou | 90 | 40 | Feeding | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM38 | 2023-06-22 04:59:59 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM10 | 2023-06-22 07:29:31 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| A03 | 2023-06-22 09:27:40 | Arctic Ground Squirrel | 1 | 0 | | FALSE | Mixed | |
| CAM05 | 2023-06-22 09:29:36 | Caribou | 40 | 20 | Walking | FALSE | Mixed | NA |
| CAM08 | 2023-06-22 09:30:00 | Caribou | 150 | 50 | Feeding | FALSE | Mixed | NA |
| CAM09 | 2023-06-22 09:41:25 | Caribou | 85 | 15 | Walking | FALSE | Mixed | NA |
| CAM09 | 2023-06-22 10:27:40 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-22 10:51:05 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM18 | 2023-06-22 11:16:53 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | NA |
| CAM05 | 2023-06-22 12:18:46 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM05 | 2023-06-22 12:52:51 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM38 | 2023-06-22 16:59:59 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-22 18:00:00 | Caribou | 30 | 10 | Feeding | FALSE | Mixed | NA |
| CAM07 | 2023-06-22 21:34:04 | Caribou | 15 | 10 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-06-22 21:55:40 | Caribou | 23 | 5 | Feeding | FALSE | Mixed | NA |
| A07 | 2023-06-23 00:00:30 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM17 | 2023-06-23 00:01:33 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM05 | 2023-06-23 04:23:13 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| A13 | 2023-06-23 13:19:36 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM20 | 2023-06-23 16:30:00 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | NA |
| CAM03 | 2023-06-23 21:00:00 | Uncategorized Bird | 1 | 0 | Standing | FALSE | Mixed | NA |
| CAM38 | 2023-06-23 21:36:34 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| A05 | 2023-06-23 22:18:11 | Uncategorized Bird | 11 | 0 | | FALSE | Mixed | |
| A15 | 2023-06-24 01:44:09 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM38 | 2023-06-24 16:59:59 | Uncategorized Bird | 4 | 0 | Feeding | FALSE | Mixed | NA |
| CAM25 | 2023-06-25 01:29:59 | Uncategorized Bird | 1 | 0 | Standing | FALSE | Mixed | NA |
| A15 | 2023-06-25 02:42:14 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM25 | 2023-06-25 03:49:23 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| A12 | 2023-06-25 04:47:12 | Caribou | 0 | 1 | Walking | FALSE | Mixed | left |
| A15 | 2023-06-25 06:45:09 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-06-25 07:14:55 | Caribou | 1000 | 200 | Feeding | TRUE | Mixed | left |
| A09 | 2023-06-25 07:16:21 | Caribou | 2000 | 200 | Feeding | TRUE | Mixed | right |
| A11 | 2023-06-25 08:31:21 | Caribou | 1 | 0 | Walking | FALSE | Female | left |
| CAM19 | 2023-06-25 10:00:00 | Caribou | 3000 | 400 | Feeding | TRUE | Mixed | left |
| A09 | 2023-06-25 10:07:49 | Caribou | 1500 | 200 | Feeding | TRUE | Mixed | right |
| A11 | 2023-06-25 10:12:00 | Caribou | 13 | 2 | Walking | FALSE | Mixed | left |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM28 | 2023-06-25 10:30:00 | Caribou | 11 | 0 | Feeding | FALSE | Mixed | right |
| CAM21 | 2023-06-25 10:38:39 | Caribou | 12 | 3 | Feeding | TRUE | Mixed | left |
| CAM15 | 2023-06-25 10:41:55 | Uncategorized Bird | 5 | 0 | Resting | FALSE | Mixed | NA |
| A03 | 2023-06-25 11:11:16 | Caribou | 7 | 0 | Walking | TRUE | Female | right |
| CAM19 | 2023-06-25 11:30:00 | Caribou | 1000 | 200 | Feeding | FALSE | Mixed | right |
| A11 | 2023-06-25 12:53:17 | Caribou | 300 | 0 | Feeding | FALSE | Mixed | right |
| CAM19 | 2023-06-25 13:17:29 | Caribou | 10000 | 2000 | Feeding | TRUE | Mixed | right |
| CAM21 | 2023-06-25 14:00:54 | Caribou | 17 | 8 | Walking | TRUE | Mixed | left |
| A05 | 2023-06-25 14:33:34 | Caribou | 3 | 0 | Feeding | FALSE | Mixed | left |
| A03 | 2023-06-25 14:46:30 | Caribou | 8 | 0 | Walking | TRUE | Mixed | left |
| CAM21 | 2023-06-25 15:13:07 | Caribou | 6 | 2 | Feeding | TRUE | Mixed | right |
| CAM28 | 2023-06-25 15:22:15 | Caribou | 15 | 4 | Feeding | TRUE | Mixed | right |
| CAM19 | 2023-06-25 16:30:00 | Caribou | 15000 | 4000 | Walking | TRUE | Mixed | left |
| A03 | 2023-06-25 17:03:25 | Caribou | 15 | 6 | Feeding | TRUE | Mixed | right |
| CAM21 | 2023-06-25 17:29:15 | Caribou | 1 | 0 | Walking | FALSE | Female | left |
| CAM19 | 2023-06-25 17:30:00 | Caribou | 500 | 100 | Feeding | FALSE | Mixed | right |
| A05 | 2023-06-25 17:47:06 | Caribou | 15 | 4 | Feeding | FALSE | Mixed | left |
| CAM19 | 2023-06-25 18:30:00 | Caribou | 10000 | 3000 | Feeding | FALSE | Mixed | right |
| A05 | 2023-06-25 19:22:02 | Caribou | 5 | 1 | Feeding | TRUE | Mixed | left |
| CAM28 | 2023-06-25 19:55:29 | Caribou | 6 | 0 | Walking | TRUE | Mixed | right |
| A05 | 2023-06-25 20:58:42 | Caribou | 4 | 1 | Feeding | TRUE | Mixed | left |
| CAM19 | 2023-06-25 21:47:31 | Caribou | 25000 | 6000 | Feeding | TRUE | Mixed | left |
| CAM21 | 2023-06-25 22:02:28 | Caribou | 8 | 2 | Feeding | TRUE | Mixed | left |
| A02 | 2023-06-25 22:13:45 | Caribou | 80 | 35 | Walking | TRUE | Mixed | left |
| A05 | 2023-06-25 22:39:51 | Caribou | 3 | 2 | Feeding | TRUE | Mixed | left |
| CAM21 | 2023-06-25 22:46:20 | Caribou | 30 | 8 | Walking | TRUE | Mixed | right |
| A05 | 2023-06-25 23:31:06 | Caribou | 12 | 4 | Walking | TRUE | Mixed | left |
| CAM21 | 2023-06-26 00:30:29 | Caribou | 4 | 0 | Walking | FALSE | Female | left |
| CAM13 | 2023-06-26 01:19:21 | Caribou | 5 | 0 | Walking | FALSE | Mixed | NA |
| CAM21 | 2023-06-26 01:30:00 | Caribou | 2 | 0 | Walking | TRUE | Mixed | right |
| A03 | 2023-06-26 01:42:14 | Caribou | 200 | 40 | Walking | TRUE | Mixed | left |
| CAM21 | 2023-06-26 02:37:31 | Caribou | 300 | 60 | Feeding | TRUE | Mixed | left |
| A15 | 2023-06-26 03:06:07 | Caribou | 2 | 0 | Walking | FALSE | Male | left |
| CAM13 | 2023-06-26 03:12:47 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM19 | 2023-06-26 03:45:06 | Caribou | 6000 | 1000 | Walking | TRUE | Mixed | right |
| CAM25 | 2023-06-26 03:59:38 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM09 | 2023-06-26 04:15:10 | Caribou | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM13 | 2023-06-26 04:18:10 | Caribou | 44 | 11 | Feeding | FALSE | Mixed | NA |
| CAM38 | 2023-06-26 04:35:32 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| A11 | 2023-06-26 04:55:29 | Caribou | 6 | 0 | Feeding | TRUE | Mixed | left |
| CAM14 | 2023-06-26 04:57:31 | Caribou | 20 | 15 | Walking | FALSE | Mixed | NA |
| A05 | 2023-06-26 05:44:37 | Caribou | 30 | 8 | Feeding | TRUE | Mixed | left |
| A03 | 2023-06-26 05:45:23 | Caribou | 4 | 2 | Walking | TRUE | Female | left |
| CAM19 | 2023-06-26 05:50:06 | Caribou | 30 | 5 | Walking | TRUE | Mixed | right |
| CAM28 | 2023-06-26 06:35:47 | Caribou | 8 | 0 | Feeding | TRUE | Mixed | left |
| CAM13 | 2023-06-26 06:56:55 | Caribou | 7 | 4 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-26 06:58:31 | Caribou | 15 | 5 | Walking | FALSE | Mixed | NA |
| A11 | 2023-06-26 07:08:45 | Caribou | 6 | 0 | Feeding | TRUE | Mixed | left |
| CAM19 | 2023-06-26 07:20:01 | Caribou | 1 | 0 | Walking | FALSE | Female | left |
| A05 | 2023-06-26 07:30:49 | Caribou | 50 | 5 | Walking | TRUE | Mixed | left |
| A02 | 2023-06-26 07:43:44 | Caribou | 55 | 20 | Feeding | TRUE | Mixed | left |
| CAM19 | 2023-06-26 07:53:09 | Caribou | 2 | 0 | Feeding | FALSE | Mixed | left |
| CAM21 | 2023-06-26 08:04:25 | Caribou | 5 | 3 | Feeding | TRUE | Female | left |
| A11 | 2023-06-26 08:14:57 | Caribou | 1 | 1 | Walking | FALSE | Female | left |
| CAM15 | 2023-06-26 08:28:16 | Caribou | 20 | 10 | Feeding | FALSE | Mixed | NA |
| CAM28 | 2023-06-26 08:32:19 | Caribou | 120 | 30 | Walking | TRUE | Mixed | right |
| CAM16 | 2023-06-26 08:36:07 | Caribou | 70 | 30 | Feeding | FALSE | Mixed | NA |
| CAM08 | 2023-06-26 08:40:40 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| A02 | 2023-06-26 09:06:51 | Caribou | 0 | 1 | Running | FALSE | Mixed | left |
| A05 | 2023-06-26 09:19:04 | Caribou | 1 | 1 | Running | FALSE | Female | left |
| A09 | 2023-06-26 09:22:42 | Caribou | 600 | 100 | Feeding | TRUE | Mixed | right |
| CAM25 | 2023-06-26 09:43:22 | Caribou | 15 | 5 | Feeding | FALSE | Mixed | NA |
| CAM19 | 2023-06-26 09:56:44 | Caribou | 1 | 1 | Walking | TRUE | Mixed | right |
| A05 | 2023-06-26 10:06:06 | Caribou | 10 | 6 | Walking | TRUE | Mixed | left |
| A09 | 2023-06-26 10:19:30 | Caribou | 300 | 0 | Feeding | TRUE | Mixed | left |
| CAM08 | 2023-06-26 10:39:53 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM21 | 2023-06-26 10:48:31 | Caribou | 1 | 0 | Feeding | FALSE | Female | left |
| CAM14 | 2023-06-26 11:17:06 | Caribou | 0 | 1 | Walking | FALSE | Mixed | NA |
| A09 | 2023-06-26 11:31:36 | Caribou | 1000 | 120 | Feeding | TRUE | Mixed | right |
| CAM03 | 2023-06-26 11:53:48 | Caribou | 2 | 0 | Feeding | FALSE | Mixed | NA |
| A05 | 2023-06-26 12:25:46 | Caribou | 25 | 6 | Walking | TRUE | Mixed | left |
| CAM19 | 2023-06-26 12:39:49 | Caribou | 20000 | 6000 | Feeding | TRUE | Mixed | right |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM21 | 2023-06-26 12:40:59 | Caribou | 1 | 1 | Walking | TRUE | Female | left |
| CAM07 | 2023-06-26 12:41:32 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM04 | 2023-06-26 13:10:55 | Caribou | 40 | 10 | Walking | FALSE | Mixed | NA |
| CAM25 | 2023-06-26 13:20:03 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-26 13:23:21 | Caribou | 4 | 0 | Feeding | FALSE | Mixed | NA |
| CAM21 | 2023-06-26 13:27:27 | Caribou | 32 | 9 | Walking | TRUE | Mixed | right |
| CAM03 | 2023-06-26 14:07:11 | Caribou | 19 | 3 | Feeding | FALSE | Mixed | NA |
| A03 | 2023-06-26 14:18:20 | Caribou | 15 | 6 | Walking | TRUE | Mixed | left |
| CAM08 | 2023-06-26 14:42:01 | Caribou | 20 | 0 | Feeding | FALSE | Mixed | NA |
| CAM19 | 2023-06-26 15:00:00 | Caribou | 400 | 1500 | Feeding | TRUE | Mixed | right |
| A03 | 2023-06-26 15:05:18 | Caribou | 1 | 1 | Running | TRUE | Mixed | right |
| CAM03 | 2023-06-26 15:30:00 | Caribou | 3 | 3 | Feeding | FALSE | Mixed | NA |
| CAM21 | 2023-06-26 16:03:17 | Caribou | 4 | 1 | Walking | FALSE | Female | left |
| A03 | 2023-06-26 16:05:58 | Caribou | 7 | 2 | Walking | TRUE | Mixed | right |
| CAM09 | 2023-06-26 16:07:37 | Caribou | 15 | 5 | Feeding | FALSE | Mixed | NA |
| CAM08 | 2023-06-26 16:16:53 | Caribou | 10 | 0 | Feeding | FALSE | Mixed | NA |
| CAM12 | 2023-06-26 16:29:52 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-26 16:31:45 | Caribou | 9 | 8 | Feeding | FALSE | Mixed | NA |
| CAM21 | 2023-06-26 16:38:09 | Caribou | 65 | 10 | Walking | TRUE | Mixed | right |
| CAM12 | 2023-06-26 17:19:12 | Caribou | 12 | 0 | Feeding | FALSE | Mixed | NA |
| CAM19 | 2023-06-26 17:45:28 | Caribou | 20 | 7 | Feeding | TRUE | Mixed | right |
| A05 | 2023-06-26 17:59:39 | Caribou | 7 | 4 | Feeding | TRUE | Mixed | left |
| CAM04 | 2023-06-26 18:06:17 | Caribou | 7 | 4 | Walking | FALSE | Mixed | NA |
| CAM21 | 2023-06-26 18:24:38 | Caribou | 6 | 1 | Walking | TRUE | Female | right |
| CAM19 | 2023-06-26 18:41:52 | Caribou | 200 | 35 | Walking | TRUE | Mixed | right |
| A05 | 2023-06-26 18:58:00 | Caribou | 400 | 150 | Walking | TRUE | Mixed | left |
| CAM19 | 2023-06-26 21:26:39 | Caribou | 1 | 0 | Walking | TRUE | Female | right |
| CAM21 | 2023-06-26 21:53:10 | Caribou | 300 | 80 | Walking | TRUE | Mixed | left |
| A15 | 2023-06-26 21:59:04 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A15 | 2023-06-27 00:48:01 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM07 | 2023-06-27 01:56:40 | Caribou | 2 | 1 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-27 02:55:34 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| A09 | 2023-06-27 08:42:48 | Caribou | 100 | 200 | Walking | TRUE | Mixed | left |
| CAM19 | 2023-06-27 09:14:53 | Caribou | 1 | 0 | Walking | TRUE | Female | right |
| A11 | 2023-06-27 09:35:55 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM20 | 2023-06-27 13:51:00 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| A11 | 2023-06-27 15:30:00 | Uncategorized Bird | 2 | 0 | | FALSE | Mixed | |
| CAM13 | 2023-06-27 19:00:00 | Caribou | 200 | 100 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-06-27 19:18:59 | Caribou | 60 | 40 | Feeding | FALSE | Mixed | NA |
| A09 | 2023-06-27 22:15:28 | Caribou | 600 | 100 | Walking | TRUE | Mixed | left |
| CAM15 | 2023-06-27 22:38:48 | Caribou | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-06-27 22:39:10 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| A15 | 2023-06-27 23:48:01 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-06-28 00:08:59 | Caribou | 1 | 0 | Walking | TRUE | Female | right |
| A06 | 2023-06-28 01:09:44 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A09 | 2023-06-28 01:32:12 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-06-28 01:33:17 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-06-28 03:59:14 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A11 | 2023-06-28 04:12:52 | Caribou | 1 | 0 | Standing | FALSE | Female | left |
| CAM03 | 2023-06-28 04:13:05 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM25 | 2023-06-28 04:20:20 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| A15 | 2023-06-28 05:56:17 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A11 | 2023-06-28 07:51:06 | Caribou | 140 | 25 | Walking | TRUE | Mixed | left |
| A15 | 2023-06-28 08:17:57 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM13 | 2023-06-28 08:57:37 | Caribou | 12 | 8 | Resting | FALSE | Mixed | NA |
| A15 | 2023-06-28 09:36:09 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-06-28 09:50:46 | Caribou | 1 | 0 | Walking | TRUE | Female | right |
| CAM13 | 2023-06-28 10:15:13 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-28 15:47:34 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM25 | 2023-06-28 19:02:20 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| A09 | 2023-06-29 03:10:43 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM03 | 2023-06-29 04:32:10 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| A11 | 2023-06-29 05:55:53 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-06-29 09:14:09 | Caribou | 4 | 0 | Walking | TRUE | Male | left |
| CAM03 | 2023-06-29 19:39:37 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| A15 | 2023-06-30 05:28:09 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM38 | 2023-06-30 08:59:24 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM14 | 2023-06-30 10:22:31 | Caribou | 20 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-06-30 17:44:15 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| A07 | 2023-07-01 00:03:32 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM17 | 2023-07-01 00:04:13 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM14 | 2023-07-01 01:48:41 | Uncategorized Bird | 1 | 0 | Standing | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| A09 | 2023-07-01 04:16:06 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-07-01 08:20:22 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM38 | 2023-07-01 20:23:11 | Uncategorized Bird | 1 | 0 | Resting | FALSE | Mixed | NA |
| CAM38 | 2023-07-01 20:39:54 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM14 | 2023-07-01 21:44:41 | Caribou | 1 | 0 | Walking | FALSE | Male | NA |
| A06 | 2023-07-02 00:14:16 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A15 | 2023-07-02 00:59:36 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A15 | 2023-07-02 02:36:45 | Arctic Hare | 2 | 0 | | FALSE | Mixed | |
| A15 | 2023-07-02 03:41:48 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A15 | 2023-07-02 04:44:52 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM15 | 2023-07-02 07:50:07 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM38 | 2023-07-02 20:08:39 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM25 | 2023-07-03 00:08:07 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM13 | 2023-07-03 01:43:27 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-07-03 12:07:51 | Caribou | 1 | 0 | Walking | FALSE | Male | NA |
| A07 | 2023-07-03 20:17:30 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM17 | 2023-07-03 20:18:01 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM13 | 2023-07-03 23:17:13 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM19 | 2023-07-04 01:47:17 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A13 | 2023-07-04 04:52:37 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM03 | 2023-07-04 10:04:07 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM07 | 2023-07-05 00:24:14 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| A15 | 2023-07-05 04:09:48 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-07-05 04:59:59 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM10 | 2023-07-05 08:29:46 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM38 | 2023-07-05 14:01:26 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM38 | 2023-07-05 16:22:55 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| A06 | 2023-07-06 01:09:03 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A15 | 2023-07-06 07:10:45 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A11 | 2023-07-06 07:26:18 | Caribou | 3000 | 500 | Walking | TRUE | Mixed | right |
| CAM21 | 2023-07-06 07:35:43 | Uncategorized Bird | 3 | 0 | | FALSE | Mixed | |
| CAM28 | 2023-07-06 07:45:07 | Caribou | 700 | 200 | Walking | TRUE | Mixed | right |
| CAM28 | 2023-07-06 18:29:19 | Caribou | 12 | 4 | Running | TRUE | Female | right |
| CAM05 | 2023-07-06 19:05:44 | Uncategorized Bird | 2 | 1 | Feeding | FALSE | Mixed | NA |
| A04 | 2023-07-06 20:01:12 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A07 | 2023-07-07 01:37:06 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM17 | 2023-07-07 01:37:31 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM28 | 2023-07-07 05:59:59 | Caribou | 1 | 0 | Walking | FALSE | Female | right |
| A09 | 2023-07-07 09:11:53 | Caribou | 1 | 0 | Walking | TRUE | Female | left |
| A06 | 2023-07-07 11:39:37 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A15 | 2023-07-07 20:42:10 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A07 | 2023-07-08 02:14:16 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM17 | 2023-07-08 02:14:36 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A15 | 2023-07-08 05:03:56 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A11 | 2023-07-08 11:30:19 | Arctic Ground Squirrel | 1 | 0 | | FALSE | Mixed | |
| A11 | 2023-07-09 07:01:12 | Caribou | 400 | 50 | Walking | TRUE | Mixed | right |
| CAM38 | 2023-07-09 08:17:29 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM03 | 2023-07-09 10:49:20 | Caribou | 30 | 20 | Feeding | FALSE | Mixed | NA |
| CAM01 | 2023-07-09 11:08:42 | Caribou | 5 | 1 | Walking | FALSE | Mixed | NA |
| A15 | 2023-07-09 11:38:20 | Caribou | 1 | 1 | Walking | FALSE | Female | left |
| CAM01 | 2023-07-09 12:03:05 | Caribou | 2 | 1 | Feeding | FALSE | Mixed | NA |
| A15 | 2023-07-09 12:29:25 | Caribou | 2 | 1 | Walking | FALSE | Mixed | left |
| CAM01 | 2023-07-09 12:44:09 | Caribou | 67 | 43 | Running | FALSE | Mixed | NA |
| CAM04 | 2023-07-09 13:00:26 | Caribou | 5 | 0 | Feeding | FALSE | Mixed | NA |
| CAM19 | 2023-07-09 13:29:59 | Caribou | 1 | 1 | Feeding | FALSE | Female | left |
| CAM04 | 2023-07-09 13:38:30 | Caribou | 30 | 0 | Feeding | FALSE | Mixed | NA |
| A15 | 2023-07-09 13:40:28 | Caribou | 0 | 1 | Feeding | FALSE | Mixed | left |
| A06 | 2023-07-09 13:46:38 | Caribou | 6 | 3 | Walking | TRUE | Mixed | right |
| CAM03 | 2023-07-09 14:22:11 | Caribou | 2 | 2 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-07-09 14:35:13 | Caribou | 1 | 0 | Walking | FALSE | Female | NA |
| CAM04 | 2023-07-09 14:49:00 | Caribou | 40 | 0 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-07-09 15:29:59 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-07-09 16:20:00 | Caribou | 15 | 5 | Feeding | FALSE | Mixed | NA |
| CAM05 | 2023-07-09 17:59:59 | Caribou | 8 | 2 | Feeding | FALSE | Mixed | NA |
| CAM11 | 2023-07-09 19:13:13 | Caribou | 1 | 0 | Walking | FALSE | Female | right |
| CAM01 | 2023-07-09 21:26:18 | Caribou | 18 | 10 | Running | FALSE | Mixed | NA |
| CAM17 | 2023-07-09 23:00:00 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM17 | 2023-07-10 01:21:44 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A06 | 2023-07-10 03:53:02 | Caribou | 1 | 1 | Walking | TRUE | Female | right |
| A05 | 2023-07-10 04:31:15 | Caribou | 7 | 0 | Feeding | FALSE | Female | left |
| A11 | 2023-07-10 06:24:45 | Arctic Ground Squirrel | 1 | 0 | | FALSE | Mixed | |
| A04 | 2023-07-10 07:47:52 | Caribou | 1 | 1 | Feeding | TRUE | Mixed | left |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM20 | 2023-07-10 11:42:55 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| A07 | 2023-07-10 14:14:37 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM17 | 2023-07-10 14:14:48 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM21 | 2023-07-10 18:34:42 | Caribou | 34 | 14 | Walking | TRUE | Mixed | left |
| CAM01 | 2023-07-10 19:40:41 | Caribou | 50 | 24 | Walking | FALSE | Mixed | NA |
| CAM19 | 2023-07-10 19:47:34 | Caribou | 40 | 15 | Walking | TRUE | Mixed | left |
| CAM21 | 2023-07-10 21:01:51 | Caribou | 1 | 0 | Walking | TRUE | Female | left |
| CAM10 | 2023-07-10 23:03:30 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM28 | 2023-07-11 05:35:47 | Caribou | 7 | 3 | Running | TRUE | Female | right |
| CAM11 | 2023-07-11 06:58:25 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM13 | 2023-07-11 20:38:33 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| A11 | 2023-07-12 01:20:04 | Caribou | 0 | 1 | Walking | FALSE | Mixed | left |
| CAM19 | 2023-07-12 10:15:41 | Caribou | 1 | 0 | Walking | FALSE | Mixed | right |
| CAM09 | 2023-07-12 16:26:49 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-07-12 23:12:11 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM20 | 2023-07-14 19:01:58 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-07-14 21:15:20 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-07-15 02:46:52 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-07-15 04:10:27 | Caribou | 0 | 1 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-07-15 08:03:59 | Caribou | 1 | 0 | Walking | FALSE | Female | NA |
| CAM10 | 2023-07-15 11:43:12 | Uncategorized Bird | 4 | 0 | Feeding | FALSE | Mixed | NA |
| CAM10 | 2023-07-15 23:18:37 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM01 | 2023-07-15 23:43:55 | Uncategorized Bird | 3 | 1 | Flying | FALSE | Mixed | NA |
| CAM13 | 2023-07-16 00:41:01 | Arctic Fox | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM11 | 2023-07-16 05:39:47 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM11 | 2023-07-16 09:31:16 | Arctic Ground Squirrel | 1 | 0 | | FALSE | Mixed | |
| A10 | 2023-07-16 10:08:35 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM20 | 2023-07-16 13:00:00 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM06 | 2023-07-16 22:53:05 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A08 | 2023-07-16 22:57:34 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A07 | 2023-07-17 00:52:34 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A06 | 2023-07-17 01:07:23 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-07-17 06:18:20 | Caribou | 1 | 0 | Running | TRUE | Female | left |
| A11 | 2023-07-17 13:16:14 | Arctic Ground Squirrel | 1 | 0 | | FALSE | Mixed | |
| CAM11 | 2023-07-17 20:44:42 | Caribou | 0 | 1 | Walking | FALSE | Mixed | left |
| CAM05 | 2023-07-17 21:03:10 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM19 | 2023-07-17 21:06:45 | Caribou | 1 | 0 | Walking | TRUE | Male | right |
| A13 | 2023-07-17 22:31:15 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM11 | 2023-07-17 22:32:11 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM40 | 2023-07-18 00:05:16 | Arctic Hare | 1 | 0 | Feeding | FALSE | Mixed | NA |
| A13 | 2023-07-18 01:06:52 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM11 | 2023-07-18 01:07:38 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM31 | 2023-07-18 05:23:34 | Uncategorized Bird | 3 | 0 | Feeding | FALSE | Mixed | NA |
| CAM20 | 2023-07-18 11:23:12 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM28 | 2023-07-18 14:27:30 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM31 | 2023-07-18 18:00:53 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM29 | 2023-07-19 04:58:40 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM19 | 2023-07-19 08:32:57 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM21 | 2023-07-19 08:50:40 | Caribou | 0 | 1 | Walking | TRUE | Mixed | left |
| CAM29 | 2023-07-19 10:39:18 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-07-19 11:47:24 | Caribou | 0 | 1 | Running | FALSE | Mixed | NA |
| CAM19 | 2023-07-19 12:04:38 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM28 | 2023-07-19 18:08:34 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM30 | 2023-07-19 19:55:02 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM39 | 2023-07-19 19:59:07 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM30 | 2023-07-20 02:33:30 | Arctic Hare | 1 | 0 | Running | FALSE | Mixed | NA |
| A02 | 2023-07-20 08:17:34 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM39 | 2023-07-20 08:30:00 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM19 | 2023-07-20 08:56:14 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM28 | 2023-07-20 12:13:22 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-07-20 12:49:24 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM03 | 2023-07-20 14:17:01 | Caribou | 0 | 1 | Running | FALSE | Mixed | NA |
| CAM19 | 2023-07-20 18:09:12 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM40 | 2023-07-21 00:31:15 | Arctic Hare | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM40 | 2023-07-21 01:59:04 | Arctic Hare | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM30 | 2023-07-21 05:46:59 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM17 | 2023-07-21 05:54:13 | Uncategorized Bird | 2 | 0 | | FALSE | Mixed | |
| CAM30 | 2023-07-21 06:12:09 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM39 | 2023-07-21 11:00:00 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-07-21 12:37:01 | Caribou | 0 | 1 | Walking | FALSE | Mixed | NA |
| CAM31 | 2023-07-21 13:29:59 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM39 | 2023-07-21 18:56:39 | Uncategorized Bird | 3 | 0 | Flying | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM29 | 2023-07-21 20:52:19 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-07-22 02:30:10 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM28 | 2023-07-22 14:25:00 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM28 | 2023-07-22 17:08:17 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM07 | 2023-07-22 17:43:11 | Arctic Ground Squirrel | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM11 | 2023-07-22 20:35:50 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A06 | 2023-07-23 00:23:02 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM28 | 2023-07-23 03:54:26 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM15 | 2023-07-23 07:04:47 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM15 | 2023-07-23 09:51:23 | Uncategorized Bird | 3 | 0 | Walking | FALSE | Mixed | NA |
| CAM15 | 2023-07-23 12:02:55 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM28 | 2023-07-23 15:46:08 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM40 | 2023-07-23 16:38:53 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM17 | 2023-07-23 21:41:27 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM20 | 2023-07-24 09:16:17 | Uncategorized Bird | 7 | 5 | Running | FALSE | Mixed | NA |
| CAM01 | 2023-07-24 11:00:00 | Uncategorized Bird | 2 | 0 | Standing | FALSE | Mixed | NA |
| CAM38 | 2023-07-24 11:51:42 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM30 | 2023-07-24 17:08:33 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM30 | 2023-07-24 21:36:48 | Uncategorized Bird | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM10 | 2023-07-24 22:59:59 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| A13 | 2023-07-25 04:20:17 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM11 | 2023-07-25 04:21:13 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A03 | 2023-07-25 08:58:43 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| A13 | 2023-07-25 09:29:07 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM11 | 2023-07-25 09:30:04 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM28 | 2023-07-25 18:55:58 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| A04 | 2023-07-25 19:36:22 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM31 | 2023-07-25 19:55:22 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM21 | 2023-07-25 21:13:50 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM17 | 2023-07-25 21:14:31 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A07 | 2023-07-25 21:14:58 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM01 | 2023-07-25 22:46:34 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| A01 | 2023-07-25 22:53:41 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-07-26 00:24:34 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| A02 | 2023-07-26 04:08:10 | Caribou | 0 | 1 | Walking | FALSE | Mixed | left |
| CAM03 | 2023-07-26 06:21:44 | Uncategorized Bird | 2 | 1 | Feeding | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM20 | 2023-07-26 07:51:25 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM30 | 2023-07-26 10:30:03 | Uncategorized Bird | 34 | 0 | Feeding | FALSE | Mixed | NA |
| CAM28 | 2023-07-26 17:13:47 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM39 | 2023-07-26 18:20:25 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM20 | 2023-07-26 18:58:18 | Caribou | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM39 | 2023-07-26 19:15:54 | Uncategorized Bird | 3 | 0 | Flying | FALSE | Mixed | NA |
| CAM20 | 2023-07-26 21:29:30 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM13 | 2023-07-27 00:11:16 | Arctic Fox | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM17 | 2023-07-27 02:42:29 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A07 | 2023-07-27 02:43:00 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM05 | 2023-07-27 06:39:21 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM39 | 2023-07-27 09:29:59 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| A13 | 2023-07-27 10:13:40 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM11 | 2023-07-27 10:14:38 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM20 | 2023-07-27 12:11:21 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM39 | 2023-07-27 13:00:00 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM28 | 2023-07-27 13:21:32 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM19 | 2023-07-27 16:48:41 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM17 | 2023-07-27 20:41:23 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| A07 | 2023-07-27 20:41:54 | Arctic Fox | 1 | 0 | | FALSE | Mixed | |
| CAM11 | 2023-07-27 23:17:37 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| A04 | 2023-07-28 03:55:59 | Arctic Hare | 1 | 0 | | FALSE | Mixed | |
| CAM30 | 2023-07-28 06:01:19 | Arctic Fox | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM28 | 2023-07-28 06:29:28 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | |
| CAM30 | 2023-07-28 08:58:07 | Uncategorized Bird | 3 | 0 | Feeding | FALSE | Mixed | NA |
| CAM30 | 2023-07-28 09:00:34 | Uncategorized Bird | 22 | 0 | Feeding | FALSE | Mixed | NA |
| CAM07 | 2023-07-28 12:13:48 | Arctic Ground Squirrel | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM39 | 2023-07-28 12:30:00 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM39 | 2023-07-28 13:25:36 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM30 | 2023-07-28 15:50:30 | Uncategorized Bird | 28 | 0 | Feeding | FALSE | Mixed | NA |
| CAM31 | 2023-07-28 18:29:59 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM30 | 2023-07-28 23:23:07 | Arctic Fox | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM30 | 2023-07-29 08:47:04 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM10 | 2023-07-29 18:30:00 | Uncategorized Bird | 3 | 0 | Standing | FALSE | Mixed | NA |
| CAM07 | 2023-07-29 19:40:13 | Arctic Fox | 0 | 1 | Walking | FALSE | Mixed | NA |
| CAM31 | 2023-07-30 15:14:44 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM39 | 2023-07-30 16:29:59 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM01 | 2023-07-30 17:50:26 | Caribou | 1 | 0 | Running | FALSE | Female | NA |
| CAM31 | 2023-07-31 02:28:51 | Arctic Hare | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM20 | 2023-07-31 07:38:11 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| CAM05 | 2023-07-31 13:05:08 | Uncategorized Bird | 3 | 0 | Walking | FALSE | Mixed | NA |
| CAM03 | 2023-07-31 13:19:14 | Uncategorized Bird | 3 | 0 | Feeding | FALSE | Mixed | NA |
| CAM13 | 2023-07-31 14:09:37 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM05 | 2023-07-31 16:58:22 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM39 | 2023-08-01 12:03:37 | Uncategorized Bird | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM31 | 2023-08-01 17:30:14 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM31 | 2023-08-01 19:37:43 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM29 | 2023-08-01 21:28:04 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM40 | 2023-08-01 21:55:42 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM20 | 2023-08-02 15:07:54 | Uncategorized Bird | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM16 | 2023-08-03 07:16:32 | Uncategorized Bird | 1 | 0 | Resting | FALSE | Mixed | NA |
| CAM39 | 2023-08-03 07:45:43 | Uncategorized Bird | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM03 | 2023-08-03 15:01:47 | Arctic Ground Squirrel | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM39 | 2023-08-03 17:32:10 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM29 | 2023-08-04 00:15:05 | Arctic Hare | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM31 | 2023-08-04 00:24:19 | Arctic Hare | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM07 | 2023-08-04 13:47:16 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM31 | 2023-08-04 21:00:00 | Uncategorized Bird | 1 | 1 | Walking | FALSE | Mixed | NA |
| CAM20 | 2023-08-04 21:29:59 | Uncategorized Bird | 2 | 0 | | FALSE | Mixed | NA |
| CAM31 | 2023-08-05 10:20:57 | Arctic Fox | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM14 | 2023-08-05 12:58:35 | Uncategorized Bird | 9 | 0 | Feeding | FALSE | Mixed | NA |
| CAM14 | 2023-08-05 14:17:29 | Uncategorized Bird | 3 | 0 | Feeding | FALSE | Mixed | NA |
| CAM31 | 2023-08-06 00:24:39 | Arctic Hare | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM20 | 2023-08-06 14:16:03 | Uncategorized Bird | 2 | 0 | | FALSE | Mixed | NA |
| CAM40 | 2023-08-07 14:24:43 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM39 | 2023-08-08 08:26:59 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM31 | 2023-08-09 21:06:01 | Uncategorized Bird | 2 | 1 | Feeding | FALSE | Mixed | NA |
| CAM15 | 2023-08-10 11:26:02 | Uncategorized Bird | 2 | 0 | Flying | FALSE | Mixed | NA |
| CAM39 | 2023-08-10 13:53:27 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM38 | 2023-08-10 18:01:55 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM31 | 2023-08-11 09:30:25 | Arctic Fox | 1 | 0 | Feeding | FALSE | Mixed | NA |
| CAM40 | 2023-08-11 18:47:40 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |

## APPENDIX A: DATA FROM WILDLIFE CAMERAS

| Camera Site | Date/Time Captured | Species | Number Adults | Number Juvenile | Behaviour | Crossed | Sex | Side-of-Road |
|---|---|---|---|---|---|---|---|---|
| CAM29 | 2023-08-12 16:43:48 | Uncategorized Bird | 2 | 0 | Walking | FALSE | Mixed | NA |
| A01 | 2023-08-13 07:43:14 | Caribou | 2 | 0 | Feeding | FALSE | Mixed | NA |
| CAM31 | 2023-08-13 08:15:32 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM38 | 2023-08-13 08:32:18 | Uncategorized Bird | 1 | 0 | Flying | FALSE | Mixed | NA |
| CAM29 | 2023-08-14 15:50:36 | Uncategorized Bird | 3 | 0 | Walking | FALSE | Mixed | NA |
| CAM31 | 2023-08-15 01:25:24 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM40 | 2023-08-15 03:19:13 | Arctic Hare | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM31 | 2023-08-15 18:55:06 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM40 | 2023-08-15 21:30:00 | Uncategorized Bird | 12 | 0 | | FALSE | Mixed | NA |
| CAM31 | 2023-08-16 03:33:45 | Arctic Hare | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM40 | 2023-08-16 09:00:00 | Uncategorized Bird | 1 | 0 | | FALSE | Mixed | NA |
| CAM40 | 2023-08-17 10:59:46 | Caribou | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM31 | 2023-08-17 20:45:38 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |
| CAM40 | 2023-08-17 22:56:46 | Arctic Hare | 1 | 0 | Walking | FALSE | Mixed | NA |
| CAM31 | 2023-08-18 03:12:38 | Arctic Fox | 1 | 0 | Running | FALSE | Mixed | NA |

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**APPENDIX H**

# Caribou Observations and Advisory, 2023

| Date | Time | Road Closure in Effect (Y/N) | Estimated Number of Caribou per Herd | Alert Level | Closest Estimated Distance from Site/AWAR (m) | Direction from Location | Location |
|---|---|---|---|---|---|---|---|
| 2023-01-16 | 16:00 | N | 100 | Caribou Migration Alert - 2023-01-16 16:00 - Level 1 | 9500 | North | Portal 1 |
| 2023-01-17 | 10:00 | N | 7 | Caribou Migration Alert - 2023-01-17 10:00 - Level 2 | 2000 | West | TSF |
| 2023-01-17 | 16:00 | N | 7 | Caribou Migration Alert - 2023-01-17 16:00 - Level 2 | 3000 | West | TSF |
| 2023-01-18 | 10:00 | N | 7 | Caribou Migration Alert - 2023-01-18 10:00 - Level 2 | 3000 | West | TSF |
| 2023-01-18 | 17:00 | N | 7 | Caribou Migration Alert - 2023-01-18 17:00 - Level 2 | 2700 | West | TSF |
| 2023-01-19 | 10:00 | N | 7 | Caribou Migration Alert - 2023-01-19 10:00 - Level 2 | 3200 | West | TSF |
| 2023-01-19 | 16:00 | N | 7 | Caribou Migration Alert - 2023-01-19 16:00 - Level 2 | 2900 | Southwest | TSF |
| 2023-01-20 | 10:00 | N | 7 | Caribou Migration Alert - 2023-01-20 10:00 - Level 2 | 3200 | West | TSF |
| 2023-01-20 | 16:00 | Y | 10 | Caribou Migration Alert - 2023-01-20 16:00 - Level 3 | 3200 | West | TSF |
| 2023-01-20 | 16:00 | Y | 20 | Caribou Migration Alert - 2023-01-20 16:00 - Level 3 | 3900 | West | Portal 1 |
| 2023-01-20 | 16:00 | Y | 10 | Caribou Migration Alert - 2023-01-20 16:00 - Level 3 | 3400 | West | Portal 1 |
| 2023-01-20 | 16:00 | Y | 30 | Caribou Migration Alert - 2023-01-20 16:00 - Level 3 | 1000 | West | KM26 |
| 2023-01-21 | 10:00 | Y | 10 | Caribou Migration Alert - 2023-01-21 10:00 - Level 3 | 2800 | West | TSF |
| 2023-01-21 | 10:00 | Y | 20 | Caribou Migration Alert - 2023-01-21 10:00 - Level 3 | 3800 | West | Portal 1 |
| 2023-01-21 | 10:00 | Y | 10 | Caribou Migration Alert - 2023-01-21 10:00 - Level 3 | 3300 | West | Portal 1 |
| 2023-01-21 | 10:00 | Y | 30 | Caribou Migration Alert - 2023-01-21 10:00 - Level 3 | 1200 | West | KM27 |
| 2023-01-21 | 11:30 | N | 0 | Caribou Migration Alert - 2023-01-21 11:30 - Level 2 | - | - | - |
| 2023-01-21 | 16:00 | N | 14 | Caribou Migration Alert - 2023-01-21 16:30 - Level 2 | 3000 | North | TSF |
| 2023-01-22 | 10:00 | N | 14 | Caribou Migration Alert - 2023-01-22 10:00 - Level 2 | 3000 | North | TSF |
| 2023-01-22 | 16:00 | N | 14 | Caribou Migration Alert - 2023-01-22 16:00 - Level 2 | 3200 | North | TSF |
| 2023-01-23 | 10:00 | N | 0 | Caribou Migration Alert - 2023-01-23 10:00 - Level 2 | - | - | - |
| 2023-01-23 | 16:00 | N | 0 | Caribou Migration Alert - 2023-01-23 16:00 - Level 2 | - | - | - |
| 2023-05-30 | 14:30 | N | 500 | Caribou Migration Alert - 2023-05-30 14:30 - Level 1 | 5200 | North | TSF |
| 2023-05-31 | 6:00 | N | 500 | Caribou Migration Alert - 2023-05-31 06:00 - Level 1 | 5100 | North | TSF |
| 2023-05-31 | 12:00 | N | 500 | Caribou Migration Alert - 2023-05-31 12:00 - Level 1 | 5400 | North | TSF |
| 2023-05-31 | 18:00 | N | 500 | Caribou Migration Alert - 2023-05-31 18:00 - Level 1 | 5200 | North | TSF |
| 2023-06-01 | 6:00 | N | 0 | Caribou Migration Alert - 2023-06-01 06:00 - Level 1 | - | - | - |
| 2023-06-01 | 12:00 | N | 3 | Caribou Migration Alert - 2023-06-01 12:00 - Level 2 | 2500 | South | Exploration Camp |
| 2023-06-01 | 18:00 | N | 0 | Caribou Migration Alert - 2023-06-01 18:00 - Level 2 | | | |
| 2023-06-02 | 6:00 | N | 0 | Caribou Migration Alert - 2023-06-02 06:00 - Level 2 | - | - | - |
| 2023-06-02 | 12:00 | N | 0 | Caribou Migration Alert - 2023-06-02 12:00 - Level 2 | - | - | - |
| 2023-06-02 | 18:00 | N | 0 | Caribou Migration Alert - 2023-06-02 18:00 - Level 2 | - | - | - |
| 2023-06-03 | 6:00 | N | 0 | Caribou Migration Alert - 2023-06-03 06:00 - Level 2 | - | - | - |
| 2023-06-03 | 12:00 | N | 0 | Caribou Migration Alert - 2023-06-03 18:00 - Level 2 | - | - | - |
| 2023-06-03 | 18:00 | N | 0 | Caribou Migration Alert - 2023-06-03 18:00 - Level 2 | - | - | - |
| 2023-06-04 | 6:00 | N | 0 | Caribou Migration Alert - 2023-06-04 06:00 - Level 2 | - | - | - |
| 2023-06-04 | 12:00 | N | 3 | Caribou Migration Alert - 2023-06-04 12:00 - Level 2 | 1200 | East | KM19 |
| 2023-06-04 | 18:00 | N | 0 | Caribou Migration Alert - 2023-06-04 18:00 - Level 2 | - | - | - |
| 2023-06-05 | 6:00 | N | 0 | Caribou Migration Alert - 2023-06-05 06:00 - Level 2 | - | - | - |
| 2023-06-05 | 12:00 | N | 0 | Caribou Migration Alert - 2023-06-05 12:00 - Level 2 | - | - | - |
| 2023-06-05 | 18:00 | N | 0 | Caribou Migration Alert - 2023-06-05 18:00 - Level 2 | - | - | - |
| 2023-06-06 | 6:00 | N | 0 | Caribou Migration Alert - 2023-06-06 06:00 - Level 2 | - | - | - |
| 2023-06-06 | 12:00 | N | 0 | Caribou Migration Alert - 2023-06-06 12:00 - Level 2 | - | - | - |
| 2023-06-06 | 18:00 | N | 0 | Caribou Migration Alert - 2023-06-06 18:00 - Level 2 | - | - | - |
| 2023-06-07 | 6:00 | N | 0 | Caribou Migration Alert - 2023-06-07 06:00 - Level 2 | - | - | - |
| 2023-06-07 | 11:00 | N | 0 | Caribou Migration Alert - 2023-06-07 12:00 - Level 2 | - | - | - |
| 2023-06-07 | 18:00 | N | 0 | Caribou Migration Alert - 2023-06-07 18:00 - Level 2 | - | - | - |
| 2023-06-08 | 6:00 | N | 0 | Caribou Migration Alert - 2023-06-08 06:00 - Level 2 | - | - | - |
| 2023-06-08 | 18:15 | N | 0 | Caribou Migration Alert - 2023-06-08 18:15 - Level 2 | - | - | - |
| 2023-06-09 | 6:00 | N | 0 | Caribou Migration Alert - 2023-06-09 06:00 - Level 2 | - | - | - |
| 2023-06-09 | 18:00 | N | 0 | Caribou Migration Alert - 2023-06-09 18:00 - Level 2 | - | - | - |
| 2023-06-10 | 6:00 | N | 500 | Caribou Migration Alert - 2023-06-10 6:00 - Level 2 | 8000 | West | TSF |
| 2023-06-10 | 12:00 | N | 8000 | Caribou Migration Alert - 2023-06-10 12:00 - Level 2 | 13000 | West | TSF |
| 2023-06-10 | 17:00 | N | 8000 | Caribou Migration Alert - 2023-06-10 17:00 - Level 2 | 8000 | West | TSF |

| Date | Time | Road Closure in Effect (Y/N) | Estimated Number of Caribou per Herd | Alert Level | Closest Estimated Distance from Site/AWAR (m) | Direction from Location | Location |
|---|---|---|---|---|---|---|---|
| 2023-06-11 | 6:00 | N | 0 | Caribou Migration Alert - 2023-06-11 06:00 - Level 2 | - | - | - |
| 2023-06-11 | 13:00 | N | 10000 | Caribou Migration Alert - 2023-06-11 13:00 - Level 3 | 5000 | North | TSF |
| 2023-06-11 | 13:00 | N | 2000 | Caribou Migration Alert - 2023-06-11 13:00 - Level 3 | 3300 | North | Exploration Camp |
| 2023-06-11 | 18:00 | N | 8000 | Caribou Migration Alert - 2023-06-11 18:00 - Level 3 | 4000 | North | Portal 1 |
| 2023-06-11 | 18:00 | N | 2000 | Caribou Migration Alert - 2023-06-11 18:00 - Level 3 | 3000 | North | Exploration Camp |
| 2023-06-12 | 6:00 | N | 10000 | Caribou Migration Alert - 2023-06-12 06:00 - Level 3 | 4000 | North | TSF |
| 2023-06-12 | 6:00 | N | 12000 | Caribou Migration Alert - 2023-06-12 06:00 - Level 3 | 9000 | West | TSF |
| 2023-06-12 | 12:00 | N | 30000 | Caribou Migration Alert - 2023-06-12 12:00 - Level 3 | 8700 | West | Portal 1 |
| 2023-06-12 | 12:00 | N | 1500 | Caribou Migration Alert - 2023-06-12 12:00 - Level 3 | 5000 | North | TSF |
| 2023-06-12 | 12:00 | N | 1500 | Caribou Migration Alert - 2023-06-12 12:00 - Level 3 | 5000 | North | Portal 1 |
| 2023-06-12 | 18:00 | N | 1200 | Caribou Migration Alert - 2023-06-12 18:00 - Level 3 | 3700 | North | TSF |
| 2023-06-12 | 18:00 | N | 800 | Caribou Migration Alert - 2023-06-12 18:00 - Level 3 | 4700 | North | TSF |
| 2023-06-12 | 18:00 | N | 30000 | Caribou Migration Alert - 2023-06-12 18:00 - Level 3 | 7400 | West | TSF |
| 2023-06-13 | 6:00 | N | 77755 | Caribou Migration Alert - 2023-06-13 06:00 - Level 3 | 8500 | West | TSF |
| 2023-06-13 | 6:00 | N | 3500 | Caribou Migration Alert - 2023-06-13 06:00 - Level 3 | 4900 | North | TSF |
| 2023-06-13 | 6:00 | N | 3500 | Caribou Migration Alert - 2023-06-13 06:00 - Level 3 | 3400 | North | TSF |
| 2023-06-13 | 18:00 | N | 50000 | Caribou Migration Alert - 2023-06-13 18:00 - Level 3 | 4200 | West | TSF |
| 2023-06-13 | 18:00 | N | 1200 | Caribou Migration Alert - 2023-06-13 18:00 - Level 3 | 3700 | North | TSF |
| 2023-06-13 | 18:00 | N | 800 | Caribou Migration Alert - 2023-06-13 18:00 - Level 3 | 4500 | North | TSF |
| 2023-06-14 | 6:00 | N | 800 | Caribou Migration Alert - 2023-06-14 06:00 - Level 3 | 3000 | Northeast | Exploration Camp |
| 2023-06-14 | 6:00 | N | 2000 | Caribou Migration Alert - 2023-06-14 06:00 - Level 3 | 6000 | West | TSF |
| 2023-06-14 | 6:00 | N | 8000 | Caribou Migration Alert - 2023-06-14 06:00 - Level 3 | 5500 | West | KM27 |
| 2023-06-14 | 6:00 | N | 10000 | Caribou Migration Alert - 2023-06-14 06:00 - Level 3 | 8000 | West | KM20 |
| 2023-06-14 | 6:00 | N | 10000 | Caribou Migration Alert - 2023-06-14 06:00 - Level 3 | 10000 | West | KM15 |
| 2023-06-14 | 12:00 | N | 800 | Caribou Migration Alert - 2023-06-14 12:00 - Level 3 | 3700 | North | TSF |
| 2023-06-14 | 12:00 | N | 200 | Caribou Migration Alert - 2023-06-14 12:00 - Level 3 | 2500 | North | Exploration Camp |
| 2023-06-14 | 12:00 | N | 300 | Caribou Migration Alert - 2023-06-14 12:00 - Level 3 | 2200 | North | Exploration Camp |
| 2023-06-14 | 12:00 | N | 2000 | Caribou Migration Alert - 2023-06-14 12:00 - Level 3 | 5900 | West | TSF |
| 2023-06-14 | 12:00 | N | 8000 | Caribou Migration Alert - 2023-06-14 12:00 - Level 3 | 4400 | West | KM27 |
| 2023-06-14 | 18:00 | Y | 1500 | Caribou Migration Alert - 2023-06-14 18:00 - Level 3 | 4000 | North | TSF |
| 2023-06-14 | 18:00 | Y | 300 | Caribou Migration Alert - 2023-06-14 18:00 - Level 3 | 4000 | North | Exploration Camp |
| 2023-06-14 | 18:00 | Y | 10000 | Caribou Migration Alert - 2023-06-14 18:00 - Level 3 | 5300 | East | Exploration Camp |
| 2023-06-14 | 18:00 | Y | 2000 | Caribou Migration Alert - 2023-06-14 18:00 - Level 3 | 7700 | Southwest | TSF |
| 2023-06-14 | 18:00 | Y | 15000 | Caribou Migration Alert - 2023-06-14 18:00 - Level 3 | 4000 | West | KM27 |
| 2023-06-14 | 18:00 | Y | 15000 | Caribou Migration Alert - 2023-06-14 18:00 - Level 3 | 4600 | West | KM12 |
| 2023-06-15 | 6:00 | N | 1500 | Caribou Migration Alert - 2023-06-15 06:00 - Level 3 | 4000 | North | TSF |
| 2023-06-15 | 6:00 | N | 800 | Caribou Migration Alert - 2023-06-15 06:00 - Level 3 | 2300 | North | TSF |
| 2023-06-15 | 6:00 | N | 2000 | Caribou Migration Alert - 2023-06-15 06:00 - Level 3 | 4800 | West | TSF |
| 2023-06-15 | 6:00 | N | 15000 | Caribou Migration Alert - 2023-06-15 06:00 - Level 3 | 5300 | West | KM27 |
| 2023-06-15 | 6:00 | N | 10000 | Caribou Migration Alert - 2023-06-15 06:00 - Level 3 | 6100 | East | KM28 |
| 2023-06-15 | 6:00 | N | 15000 | Caribou Migration Alert - 2023-06-15 06:00 - Level 3 | 8800 | West | KM21 |
| 2023-06-15 | 12:00 | N | 800 | Caribou Migration Alert - 2023-06-15 12:00 - Level 3 | 3000 | North | Exploration Camp |
| 2023-06-15 | 12:00 | N | 1000 | Caribou Migration Alert - 2023-06-15 12:00 - Level 3 | 6400 | East | KM28 |
| 2023-06-15 | 12:00 | N | 15000 | Caribou Migration Alert - 2023-06-15 12:00 - Level 3 | 3400 | West | KM27 |
| 2023-06-15 | 12:00 | N | 1000 | Caribou Migration Alert - 2023-06-15 12:00 - Level 3 | 3000 | West | KM8 |
| 2023-06-15 | 18:00 | Y | 800 | Caribou Migration Alert - 2023-06-15 18:00 - Level 3 | 3100 | North | Exploration Camp |
| 2023-06-15 | 18:00 | Y | 80000 | Caribou Migration Alert - 2023-06-15 18:00 - Level 3 | 6800 | West | TSF |
| 2023-06-15 | 18:00 | Y | 1000 | Caribou Migration Alert - 2023-06-15 18:00 - Level 3 | 6200 | East | KM26 |
| 2023-06-15 | 18:00 | Y | 2000 | Caribou Migration Alert - 2023-06-15 18:00 - Level 3 | 3300 | West | KM20 |
| 2023-06-16 | 6:00 | N | 800 | Caribou Migration Alert - 2023-06-16 06:00 - Level 3 | 2400 | North | Exploration Camp |
| 2023-06-16 | 6:00 | N | 30000 | Caribou Migration Alert - 2023-06-16 06:00 - Level 3 | 6400 | West | KM27 |
| 2023-06-16 | 6:00 | N | 30000 | Caribou Migration Alert - 2023-06-16 06:00 - Level 3 | 3300 | West | KM20 |
| 2023-06-16 | 12:00 | N | 800 | Caribou Migration Alert - 2023-06-16 12:00 - Level 3 | 3100 | North | Exploration Camp |
| 2023-06-16 | 12:00 | N | 20000 | Caribou Migration Alert - 2023-06-16 12:00 - Level 3 | 2300 | West | KM25 |
| 2023-06-16 | 12:00 | N | 1200 | Caribou Migration Alert - 2023-06-16 12:00 - Level 3 | 2100 | West | KM13 |

| Date | Time | Road Closure in Effect (Y/N) | Estimated Number of Caribou per Herd | Alert Level | Closest Estimated Distance from Site/AWAR (m) | Direction from Location | Location |
|---|---|---|---|---|---|---|---|
| 2023-06-16 | 18:00 | N | 25 | Caribou Migration Alert - 2023-06-16 18:00 - Level 3 | 4900 | East | Exploration Camp |
| 2023-06-16 | 18:00 | N | 20000 | Caribou Migration Alert - 2023-06-16 18:00 - Level 3 | 1300 | West | KM18 |
| 2023-06-16 | 18:00 | N | 1200 | Caribou Migration Alert - 2023-06-16 18:00 - Level 3 | 2100 | West | KM13 |
| 2023-06-17 | 6:00 | Y | 17 | Caribou Migration Alert - 2023-06-17 06:00 - Level 2 | 2700 | North | Exploration Camp |
| 2023-06-17 | 6:00 | Y | 50000 | Caribou Migration Alert - 2023-06-17 06:00 - Level 2 | 2700 | West | KM20 |
| 2023-06-17 | 6:00 | Y | 2000 | Caribou Migration Alert - 2023-06-17 06:00 - Level 2 | 700 | West | KM16 |
| 2023-06-17 | 6:00 | Y | 1500 | Caribou Migration Alert - 2023-06-17 06:00 - Level 2 | 1000 | West | KM14 |
| 2023-06-17 | 12:00 | Y | 150 | Caribou Migration Alert - 2023-06-17 12:00 - Level 2 | 8800 | West | TSF |
| 2023-06-17 | 12:00 | Y | 400 | Caribou Migration Alert - 2023-06-17 12:00 - Level 2 | 7700 | West | Portal 1 |
| 2023-06-17 | 12:00 | Y | 20000 | Caribou Migration Alert - 2023-06-17 12:00 - Level 2 | 2200 | West | KM21 |
| 2023-06-17 | 12:00 | Y | 2000 | Caribou Migration Alert - 2023-06-17 12:00 - Level 2 | 1000 | West | KM18 |
| 2023-06-17 | 12:00 | Y | 1500 | Caribou Migration Alert - 2023-06-17 12:00 - Level 2 | 300 | West | KM16 |
| 2023-06-17 | 18:00 | Y | 35000 | Caribou Migration Alert - 2023-06-17 18:00 - Level 3 | 1800 | West | KM27 |
| 2023-06-17 | 18:00 | Y | 2000 | Caribou Migration Alert - 2023-06-17 18:00 - Level 3 | 600 | West | KM18 |
| 2023-06-17 | 18:00 | Y | 1500 | Caribou Migration Alert - 2023-06-17 18:00 - Level 3 | 0 | West | KM16 |
| 2023-06-18 | 6:00 | Y | 300 | Caribou Migration Alert - 2023-06-18 06:00 - Level 3 | 1500 | West | KM27 |
| 2023-06-18 | 6:00 | Y | 1000 | Caribou Migration Alert - 2023-06-18 06:00 - Level 3 | 2300 | East | KM24 |
| 2023-06-18 | 6:00 | Y | 1000 | Caribou Migration Alert - 2023-06-18 06:00 - Level 3 | 0 | West | KM22 |
| 2023-06-18 | 6:00 | Y | 800 | Caribou Migration Alert - 2023-06-18 06:00 - Level 3 | 4100 | East | KM21 |
| 2023-06-18 | 6:00 | Y | 10000 | Caribou Migration Alert - 2023-06-18 06:00 - Level 3 | 0 | West and East | KM18 |
| 2023-06-18 | 12:00 | Y | 300 | Caribou Migration Alert - 2023-06-18 12:00 - Level 3 | 1000 | West | KM27 |
| 2023-06-18 | 12:00 | Y | 18000 | Caribou Migration Alert - 2023-06-18 12:00 - Level 3 | 0 | West | KM21 |
| 2023-06-18 | 12:00 | Y | 10000 | Caribou Migration Alert - 2023-06-18 12:00 - Level 3 | 0 | West | KM16 |
| 2023-06-18 | 18:00 | Y | 41 | Caribou Migration Alert - 2023-06-18 18:00 - Level 3 | 1100 | West | KM28 |
| 2023-06-18 | 18:00 | Y | 15 | Caribou Migration Alert - 2023-06-18 18:00 - Level 3 | 500 | West | KM28 |
| 2023-06-18 | 18:00 | Y | 10 | Caribou Migration Alert - 2023-06-18 18:00 - Level 3 | 500 | West | KM28 |
| 2023-06-18 | 18:00 | Y | 10 | Caribou Migration Alert - 2023-06-18 18:00 - Level 3 | 0 | West | KM27 |
| 2023-06-18 | 18:00 | Y | 200 | Caribou Migration Alert - 2023-06-18 18:00 - Level 3 | 1700 | East | KM25 |
| 2023-06-18 | 18:00 | Y | 5000 | Caribou Migration Alert - 2023-06-18 18:00 - Level 3 | 0 | West and East | KM25 |
| 2023-06-18 | 18:00 | Y | 18000 | Caribou Migration Alert - 2023-06-18 18:00 - Level 3 | 0 | West | KM21 |
| 2023-06-18 | 21:00 | Y | 300 | Caribou Migration Alert - 2023-06-18 21:00 - Level 3 | 1400 | East | KM25 |
| 2023-06-18 | 21:00 | Y | 1500 | Caribou Migration Alert - 2023-06-18 21:00 - Level 3 | 0 | East | KM25 |
| 2023-06-18 | 21:00 | Y | 1000 | Caribou Migration Alert - 2023-06-18 21:00 - Level 3 | 5300 | West | KM20 |
| 2023-06-18 | 21:00 | Y | 15000 | Caribou Migration Alert - 2023-06-18 21:00 - Level 3 | 500 | East | KM20 |
| 2023-06-19 | 6:00 | Y | 21 | Caribou Migration Alert - 2023-06-19 06:00 - Level 2 | 1500 | West | KM28 |
| 2023-06-19 | 6:00 | Y | 10000 | Caribou Migration Alert - 2023-06-19 06:00 - Level 2 | 0 | East | KM23 |
| 2023-06-19 | 6:00 | Y | 50000 | Caribou Migration Alert - 2023-06-19 06:00 - Level 2 | 2700 | West | KM22 |
| 2023-06-19 | 12:00 | Y | 50 | Caribou Migration Alert - 2023-06-19 12:00 - Level 3 | 700 | West | KM27 |
| 2023-06-19 | 12:00 | Y | 200 | Caribou Migration Alert - 2023-06-19 12:00 - Level 3 | 500 | West | KM27 |

| Date | Time | Road Closure in Effect (Y/N) | Estimated Number of Caribou per Herd | Alert Level | Closest Estimated Distance from Site/AWAR (m) | Direction from Location | Location |
|---|---|---|---|---|---|---|---|
| 2023-06-19 | 12:00 | Y | 450 | Caribou Migration Alert - 2023-06-19 12:00 - Level 3 | 1700 | West | KM27 |
| 2023-06-19 | 12:00 | Y | 500 | Caribou Migration Alert - 2023-06-19 12:00 - Level 3 | 300 | West | KM25 |
| 2023-06-19 | 12:00 | Y | 400 | Caribou Migration Alert - 2023-06-19 12:00 - Level 3 | 2900 | West | KM25 |
| 2023-06-19 | 12:00 | Y | 600 | Caribou Migration Alert - 2023-06-19 12:00 - Level 3 | 0 | East | KM24 |
| 2023-06-19 | 12:00 | Y | 15000 | Caribou Migration Alert - 2023-06-19 12:00 - Level 3 | 1100 | East | KM23 |
| 2023-06-19 | 18:00 | Y | 8000 | Caribou Migration Alert - 2023-06-19 18:00 - Level 3 | 7500 | West | TSF |
| 2023-06-19 | 18:00 | Y | 150 | Caribou Migration Alert - 2023-06-19 18:00 - Level 3 | 1400 | West | KM27 |
| 2023-06-19 | 18:00 | Y | 100 | Caribou Migration Alert - 2023-06-19 18:00 - Level 3 | 1600 | West | KM26 |
| 2023-06-19 | 18:00 | Y | 20 | Caribou Migration Alert - 2023-06-19 18:00 - Level 3 | 400 | West | KM26 |
| 2023-06-19 | 18:00 | Y | 300 | Caribou Migration Alert - 2023-06-19 18:00 - Level 3 | 800 | West | KM24 |
| 2023-06-19 | 18:00 | Y | 10000 | Caribou Migration Alert - 2023-06-19 18:00 - Level 3 | 2500 | East | KM24 |
| 2023-06-20 | 6:00 | Y | 10000 | Caribou Migration Alert - 2023-06-20 06:00 - Level 3 | 700 | West | KM27 |
| 2023-06-20 | 6:00 | Y | 50000 | Caribou Migration Alert - 2023-06-20 06:00 - Level 3 | 2300 | West | KM23 |
| 2023-06-20 | 12:00 | Y | 200 | Caribou Migration Alert - 2023-06-20 12:00 - Level 3 | 50 | East | KM28 |
| 2023-06-20 | 12:00 | Y | 50 | Caribou Migration Alert - 2023-06-20 12:00 - Level 3 | 50 | East | KM26 |
| 2023-06-20 | 18:00 | Y | 12 | Caribou Migration Alert - 2023-06-20 18:00 - Level 2 | 50 | East | KM28 |
| 2023-06-20 | 18:00 | Y | 5000 | Caribou Migration Alert - 2023-06-20 18:00 - Level 2 | 5500 | East | KM24 |
| 2023-06-20 | 18:00 | Y | 200 | Caribou Migration Alert - 2023-06-20 18:00 - Level 2 | 1000 | East | KM21 |
| 2023-06-20 | 18:00 | Y | 250 | Caribou Migration Alert - 2023-06-20 18:00 - Level 2 | 1100 | East | KM21 |
| 2023-06-20 | 18:00 | Y | 150 | Caribou Migration Alert - 2023-06-20 18:00 - Level 2 | 2800 | East | KM20 |
| 2023-06-20 | 18:00 | Y | 300 | Caribou Migration Alert - 2023-06-20 18:00 - Level 2 | 3900 | West | KM17 |
| 2023-06-20 | 18:00 | Y | 3500 | Caribou Migration Alert - 2023-06-20 18:00 - Level 2 | 4200 | West | KM15 |
| 2023-06-21 | 6:00 | Y | 300 | Caribou Migration Alert - 2023-06-21 06:00 - Level 2 | 600 | East | KM18 |
| 2023-06-21 | 6:00 | Y | 200 | Caribou Migration Alert - 2023-06-21 06:00 - Level 2 | 100 | West | KM18 |
| 2023-06-21 | 6:00 | Y | 2000 | Caribou Migration Alert - 2023-06-21 06:00 - Level 2 | 1000 | West | KM18 |
| 2023-06-21 | 12:00 | Y | 250 | Caribou Migration Alert - 2023-06-21 12:00 - Level 3 | 1400 | West | KM25 |
| 2023-06-21 | 12:00 | Y | 2000 | Caribou Migration Alert - 2023-06-21 12:00 - Level 3 | 0 | West and East | KM17 |
| 2023-06-21 | 18:00 | Y | 250 | Caribou Migration Alert - 2023-06-21 18:00 - Level 2 | 500 | West | KM23 |
| 2023-06-21 | 18:00 | Y | 25 | Caribou Migration Alert - 2023-06-21 18:00 - Level 2 | 1200 | East | KM20 |
| 2023-06-22 | 6:00 | Y | 250 | Caribou Migration Alert - 2023-06-22 06:00- Level 2 | 100 | West | KM23 |
| 2023-06-22 | 6:00 | Y | 25 | Caribou Migration Alert - 2023-06-22 06:00- Level 2 | 1000 | East | KM20 |
| 2023-06-22 | 9:30 | N | 1000 | Caribou Migration Alert - 2023-06-22 9:30 - Level 2 | 1300 | East | KM23 |
| 2023-06-22 | 9:30 | N | 200 | Caribou Migration Alert - 2023-06-22 9:30 - Level 2 | 1300 | West | KM22 |
| 2023-06-22 | 9:30 | N | 500 | Caribou Migration Alert - 2023-06-22 9:30 - Level 2 | 1500 | East | KM21 |
| 2023-06-22 | 18:00 | Y | 1000 | Caribou Migration Alert - 2023-06-22 18:00 - Level 3 | 2200 | East | KM24 |
| 2023-06-23 | 6:00 | Y | 1000 | Caribou Migration Alert - 2023-06-23 06:00 - Level 3 | 700 | East | KM29 |
| 2023-06-23 | 6:00 | Y | 500 | Caribou Migration Alert - 2023-06-23 06:00 - Level 3 | 1600 | West | KM26 |
| 2023-06-23 | 6:00 | Y | 200 | Caribou Migration Alert - 2023-06-23 06:00 - Level 3 | 2400 | West | KM21 |
| 2023-06-23 | 9:00 | N | 1000 | Caribou Migration Alert - 2023-06-23 09:00 - Level 3 | 1400 | East | KM29 |
| 2023-06-23 | 9:00 | N | 500 | Caribou Migration Alert - 2023-06-23 09:00 - Level 3 | 2400 | West | KM25 |
| 2023-06-23 | 9:00 | N | 200 | Caribou Migration Alert - 2023-06-23 09:00 - Level 3 | 3800 | West | KM20 |
| 2023-06-23 | 12:00 | N | 50 | Caribou Migration Alert - 2023-06-23 12:00 - Level 3 | 5000 | North | Exploration Camp |
| 2023-06-23 | 12:00 | N | 100 | Caribou Migration Alert - 2023-06-23 12:00 - Level 3 | 4500 | West | Portal 1 |
| 2023-06-23 | 12:00 | N | 500 | Caribou Migration Alert - 2023-06-23 12:00 - Level 3 | 1300 | East | KM29 |
| 2023-06-23 | 12:00 | N | 150 | Caribou Migration Alert - 2023-06-23 12:00 - Level 3 | 1400 | West | KM28 |

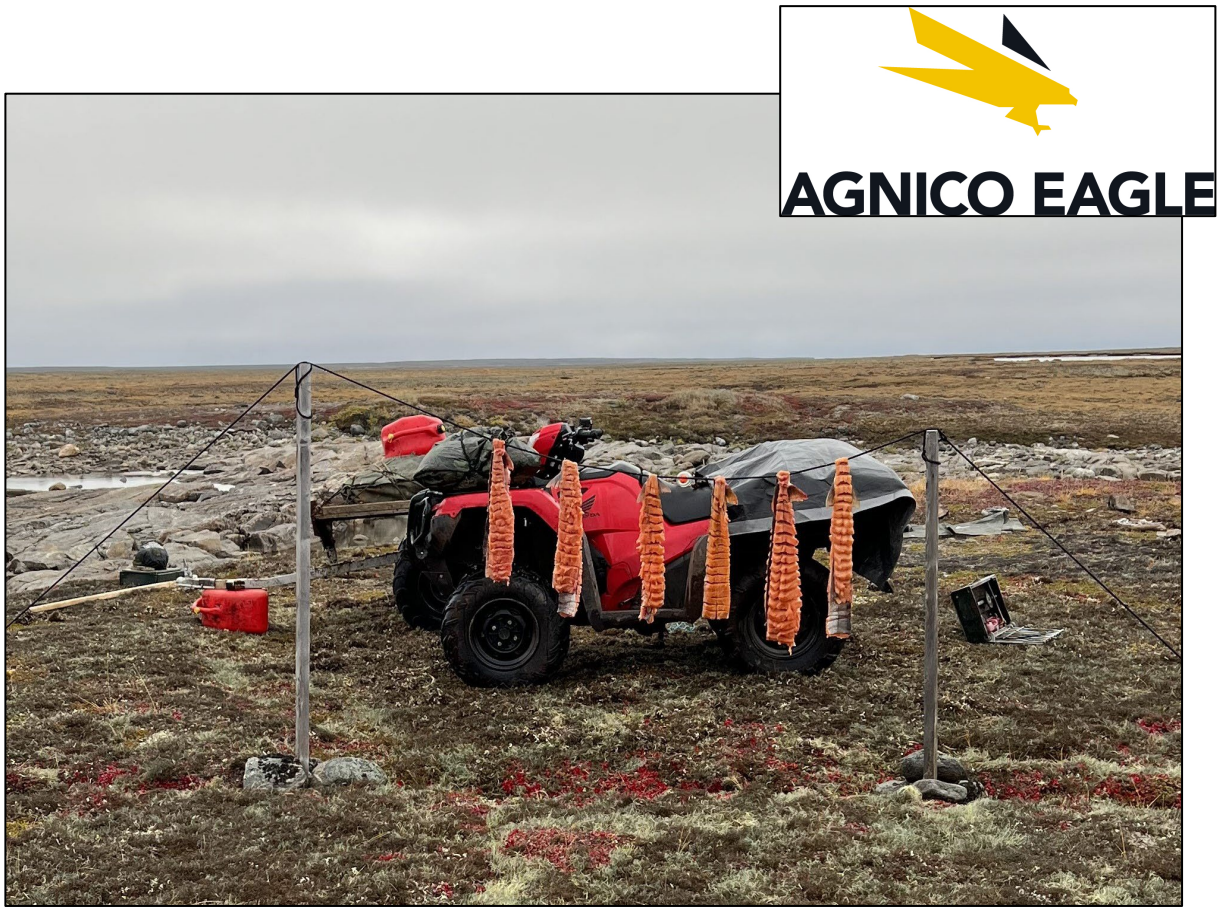
| Date | Time | Road Closure in Effect (Y/N) | Estimated Number of Caribou per Herd | Alert Level | Closest Estimated Distance from Site/AWAR (m) | Direction from Location | Location |
|---|---|---|---|---|---|---|---|
| 2023-06-24 | 6:00 | N | 500 | Caribou Migration Alert - 2023-06-24 06:00 - Level 3 | 800 | East | KM29 |
| 2023-06-24 | 6:00 | N | 1000 | Caribou Migration Alert - 2023-06-24 06:00 - Level 3 | 4900 | West | KM28 |
| 2023-06-24 | 6:00 | N | 30 | Caribou Migration Alert - 2023-06-24 06:00 - Level 3 | 1200 | East | KM26 |
| 2023-06-24 | 12:00 | N | 50 | Caribou Migration Alert - 2023-06-24 12:00 - Level 3 | 5300 | North | TSF |
| 2023-06-24 | 12:00 | N | 100 | Caribou Migration Alert - 2023-06-24 12:00 - Level 3 | 3600 | West | KM30 |
| 2023-06-24 | 12:00 | N | 500 | Caribou Migration Alert - 2023-06-24 12:00 - Level 3 | 3300 | West | KM27 |
| 2023-06-24 | 12:00 | N | 100 | Caribou Migration Alert - 2023-06-24 12:00 - Level 3 | 1500 | East | KM16 |
| 2023-06-24 | 17:00 | N | 100 | Caribou Migration Alert - 2023-06-24 17:00 - Level 2 | 1500 | East | KM16 |
| 2023-06-25 | 6:00 | Y | 100 | Caribou Migration Alert - 2023-06-25 06:00 - Level 2 | 3600 | West | KM22 |
| 2023-06-25 | 6:00 | Y | 10000 | Caribou Migration Alert - 2023-06-25 06:00 - Level 2 | 100 | East | KM12 |
| 2023-06-25 | 12:00 | Y | 4 | Caribou Migration Alert - 2023-06-25 06:00 - Level 2 | 2400 | West | KM28 |
| 2023-06-25 | 12:00 | Y | 10000 | Caribou Migration Alert - 2023-06-25 12:00 - Level 2 | 0 | East | KM12 |
| 2023-06-25 | 18:00 | Y | 80000 | Caribou Migration Alert - 2023-06-25 18:00 - Level 2 | 0 | East | KM13 |
| 2023-06-26 | 6:00 | Y | 150 | Caribou Migration Alert - 2023-06-26 06:00 - Level 2 | 900 | West | KM20 |
| 2023-06-26 | 6:00 | Y | 50 | Caribou Migration Alert - 2023-06-26 06:00 - Level 2 | 50 | East | KM18 |
| 2023-06-26 | 6:00 | Y | 30000 | Caribou Migration Alert - 2023-06-26 06:00 - Level 2 | 0 | West and East | KM16 |
| 2023-06-26 | 6:00 | Y | 100 | Caribou Migration Alert - 2023-06-26 06:00 - Level 2 | 0 | East | KM11.5 |
| 2023-06-26 | 12:00 | Y | 500 | Caribou Migration Alert - 2023-06-26 12:00 - Level 2 | 2500 | East | KM18 |
| 2023-06-26 | 12:00 | Y | 2000 | Caribou Migration Alert - 2023-06-26 12:00 - Level 2 | 0 | West and East | KM16 |
| 2023-06-26 | 12:00 | Y | 3000 | Caribou Migration Alert - 2023-06-26 12:00 - Level 2 | 3500 | West | KM12 |
| 2023-06-26 | 12:00 | Y | 30000 | Caribou Migration Alert - 2023-06-26 12:00 - Level 2 | 0 | West and East | KM8 |
| 2023-06-26 | 12:00 | Y | 2000 | Caribou Migration Alert - 2023-06-26 12:00 - Level 2 | 2500 | East | KM8 |
| 2023-06-26 | 18:00 | Y | 10000 | Caribou Migration Alert - 2023-06-26 18:00 - Level 2 | 0 | West and East | KM15 |
| 2023-06-26 | 18:00 | Y | 30000 | Caribou Migration Alert - 2023-06-26 18:00 - Level 2 | 0 | West and East | KM8 |
| 2023-06-26 | 18:00 | Y | 2000 | Caribou Migration Alert - 2023-06-26 18:00 - Level 2 | 0 | West and East | KM6 |
| 2023-06-27 | 6:00 | Y | 250 | Caribou Migration Alert - 2023-06-27 06:00 - Level 2 | 3600 | West | KM14 |
| 2023-06-27 | 6:00 | Y | 100 | Caribou Migration Alert - 2023-06-27 06:00 - Level 2 | 700 | West | KM13 |
| 2023-06-27 | 6:00 | Y | 250 | Caribou Migration Alert - 2023-06-27 06:00 - Level 2 | 300 | East | KM13 |
| 2023-06-27 | 6:00 | Y | 20000 | Caribou Migration Alert - 2023-06-27 06:00 - Level 2 | 1700 | East | KM14 |
| 2023-06-27 | 6:00 | Y | 30000 | Caribou Migration Alert - 2023-06-27 06:00 - Level 2 | 3800 | East | KM14 |
| 2023-06-27 | 6:00 | Y | 20000 | Caribou Migration Alert - 2023-06-27 06:00 - Level 2 | 1300 | East | KM9 |
| 2023-06-27 | 12:00 | Y | 300 | Caribou Migration Alert - 2023-06-27 12:00 - Level 2 | 0 | East | KM20 |
| 2023-06-27 | 12:00 | Y | 20000 | Caribou Migration Alert - 2023-06-27 12:00 - Level 2 | 4000 | East | KM15 |
| 2023-06-27 | 18:00 | Y | 10000 | Caribou Migration Alert - 2023-06-27 18:00 - Level 2 | 2400 | East | KM16 |
| 2023-06-27 | 18:00 | Y | 200 | Caribou Migration Alert - 2023-06-27 18:00 - Level 2 | 0 | West | KM16 |
| 2023-06-27 | 18:00 | Y | 100 | Caribou Migration Alert - 2023-06-27 18:00 - Level 2 | 0 | West | KM15 |
| 2023-06-28 | 6:00 | N | 20 | Caribou Migration Alert - 2023-06-27 18:00 - Level 2 | 2200 | West | KM23 |
| 2023-06-28 | 6:00 | N | 2500 | Caribou Migration Alert - 2023-06-27 18:00 - Level 2 | 6900 | West | KM15 |
| 2023-06-28 | 6:00 | N | 10000 | Caribou Migration Alert - 2023-06-27 18:00 - Level 2 | 5700 | East | KM15 |
| 2023-06-28 | 6:00 | N | 50 | Caribou Migration Alert - 2023-06-27 18:00 - Level 2 | 3900 | East | KM11 |
| 2023-06-28 | 12:00 | N | 1000 | Caribou Migration Alert - 2023-06-28 12:00 - Level 2 | 3500 | East | KM12 |
| 2023-06-28 | 18:00 | N | 0 | Caribou Migration Alert - 2023-06-28 18:00 - Level 2 | - | - | - |
| 2023-06-29 | 6:00 | N | 5 | Caribou Migration Alert - 2023-06-29 06:00 - Level 2 | 2100 | East | KM25 |
| 2023-06-29 | 6:00 | N | 2 | Caribou Migration Alert - 2023-06-29 06:00 - Level 2 | 500 | East | KM8 |
| 2023-06-29 | 6:00 | N | 1 | Caribou Migration Alert - 2023-06-29 06:00 - Level 2 | 500 | East | KM10 |
| 2023-06-29 | 12:00 | N | 100 | Caribou Migration Alert - 2023-06-29 12:00 - Level 2 | 3000 | East | KM20 |
| 2023-06-29 | 17:45 | Y | 300 | Caribou Migration Alert - 2023-06-29 17:45 - Level 3 | 600 | West | Exploration Camp |
| 2023-06-30 | 6:00 | Y | 50 | Caribou Migration Alert - 2023-06-30 06:00 - Level 3 | 1300 | East | TSF |
| 2023-06-30 | 6:00 | Y | 300 | Caribou Migration Alert - 2023-06-30 06:00 - Level 3 | 1100 | North | Portal 1 |
| 2023-06-30 | 12:00 | N | 0 | Caribou Migration Alert - 2023-06-30 12:00 - Level 2 | - | - | - |
| 2023-06-30 | 18:00 | Y | 4 | Caribou Migration Alert - 2023-06-30 18:00 - Level 2 | 500 | North | Exploration Camp |
| 2023-06-30 | 18:00 | Y | 10000 | Caribou Migration Alert - 2023-06-30 18:00 - Level 2 | 1600 | East | KM7 |
| 2023-07-01 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-01 06:00 - Level 2 | - | - | - |
| 2023-07-01 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-01 12:00 - Level 2 | - | - | - |
| 2023-07-01 | 18:00 | N | 70 | Caribou Migration Alert - 2023-07-01 18:00 - Level 2 | 200 | West | KM21 |

| Date | Time | Road Closure in Effect (Y/N) | Estimated Number of Caribou per Herd | Alert Level | Closest Estimated Distance from Site/AWAR (m) | Direction from Location | Location |
|---|---|---|---|---|---|---|---|
| 2023-07-02 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-02 06:00 - Level 2 | - | - | - |
| 2023-07-02 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-02 12:00 - Level 2 | - | - | - |
| 2023-07-02 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-02 1800 - Level 2 | - | - | - |
| 2023-07-03 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-03 0600 - Level 2 | - | - | - |
| 2023-07-03 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-03 12:00 - Level 2 | - | - | - |
| 2023-07-03 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-03 18:00 - Level 2 | - | - | - |
| 2023-07-04 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-04 06:00 - Level 2 | - | - | - |
| 2023-07-04 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-04 12:00 - Level 2 | - | - | - |
| 2023-07-04 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-04 18:00 - Level 2 | - | - | - |
| 2023-07-05 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-05 06:00 - Level 2 | - | - | - |
| 2023-07-05 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-05 12:00 - Level 2 | - | - | - |
| 2023-07-05 | 18:00 | N | 1 | Caribou Migration Alert - 2023-07-05 18:00 - Level 2 | 1600 | West | Portal 1 |
| 2023-07-06 | 6:00 | N | 10000 | Caribou Migration Alert - 2023-07-06 06:00 - Level 2 | 5000 | East | KM7 |
| 2023-07-06 | 10:50 | Y | 150000 | Caribou Migration Alert - 2023-07-06 10:50 | 150 | West and East | KM10 |
| 2023-07-06 | 12:00 | Y | 150000 | Caribou Migration Alert - 2023-07-06 12:00 - Level 2 | 150 | West and East | KM10 |
| 2023-07-06 | 18:00 | Y | 10000 | Caribou Migration Alert - 2023-07-06 18:00 - Level 2 | 600 | West | KM5 |
| 2023-07-06 | 18:00 | Y | 5000 | Caribou Migration Alert - 2023-07-06 18:00 - Level 2 | 4600 | East | KM9 |
| 2023-07-07 | 6:00 | N | 3000 | Caribou Migration Alert - 2023-07-07 06:00 - Level 2 | 1600 | East | KM9 |
| 2023-07-07 | 9:30 | Y | 3000 | Caribou Migration Alert - 2023-07-07 09:30 - Level 2 | 0 | East | KM10 |
| 2023-07-07 | 9:30 | Y | 30000 | Caribou Migration Alert - 2023-07-07 09:30 - Level 2 | 0 | East | KM6 |
| 2023-07-07 | 12:00 | Y | 3000 | Caribou Migration Alert - 2023-07-07 12:00 - Level 2 | 800 | West | KM11 |
| 2023-07-07 | 12:00 | Y | 30000 | Caribou Migration Alert - 2023-07-07 12:00 - Level 2 | 0 | West and East | KM5 |
| 2023-07-07 | 18:00 | Y | 1 | Caribou Migration Alert - 2023-07-07 18:00 - Level 2 | 1000 | South | Portal 1 |
| 2023-07-07 | 18:00 | Y | 3000 | Caribou Migration Alert - 2023-07-07 18:00 - Level 2 | 1500 | West | KM8 |
| 2023-07-07 | 18:00 | Y | 15 | Caribou Migration Alert - 2023-07-07 18:00 - Level 2 | 1200 | East | KM7 |
| 2023-07-07 | 18:00 | Y | 275 | Caribou Migration Alert - 2023-07-07 18:00 - Level 2 | 3600 | East | KM7 |
| 2023-07-08 | 6:00 | N | 1 | Caribou Migration Alert - 2023-07-08 06:00 - Level 2 | 400 | West | KM28 |
| 2023-07-08 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-08 12:00 - Level 2 | - | - | - |
| 2023-07-08 | 18:00 | N | 1 | Caribou Migration Alert - 2023-07-08 18:00 - Level 2 | 500 | West | KM5 |
| 2023-07-09 | 6:00 | Y | 3000 | Caribou Migration Alert - 2023-07-09 06:00 - Level 2 | 3300 | East | KM12 |
| 2023-07-09 | 6:00 | Y | 500 | Caribou Migration Alert - 2023-07-09 06:00 - Level 2 | 800 | East | KM9 |
| 2023-07-09 | 6:00 | Y | 1000 | Caribou Migration Alert - 2023-07-09 06:00 - Level 2 | 1800 | East | KM9 |
| 2023-07-09 | 12:00 | Y | 3000 | Caribou Migration Alert - 2023-07-09 12:00 - Level 2 | 0 | East and West | KM20 |
| 2023-07-09 | 12:00 | Y | 3000 | Caribou Migration Alert - 2023-07-09 12:00 - Level 2 | 1500 | East | KM12 |
| 2023-07-09 | 12:00 | Y | 800 | Caribou Migration Alert - 2023-07-09 12:00 - Level 2 | 800 | West | KM11 |
| 2023-07-09 | 18:00 | Y | 15000 | Caribou Migration Alert - 2023-07-09 18:00 - Level 2 | 0 | East and West | KM23 |
| 2023-07-10 | 6:00 | N | 1500 | Caribou Migration Alert - 2023-07-10 06:00 - Level 3 | 800 | East | KM26 |
| 2023-07-10 | 6:00 | N | 1000 | Caribou Migration Alert - 2023-07-10 06:00 - Level 3 | 4300 | West | KM20 |
| 2023-07-10 | 6:00 | N | 60 | Caribou Migration Alert - 2023-07-10 06:00 - Level 3 | 500 | West | KM16 |
| 2023-07-10 | 12:00 | N | 1500 | Caribou Migration Alert - 2023-07-10 12:00 - Level 3 | 1900 | East | KM24 |
| 2023-07-10 | 12:00 | N | 100 | Caribou Migration Alert - 2023-07-10 12:00 - Level 3 | 800 | East | KM24 |
| 2023-07-10 | 12:00 | N | 100 | Caribou Migration Alert - 2023-07-10 12:00 - Level 3 | 1700 | West | KM18 |
| 2023-07-10 | 18:00 | Y | 2000 | Caribou Migration Alert - 2023-07-10 18:00 - Level 3 | 1200 | East | KM29 |
| 2023-07-11 | 6:00 | N | 1 | Caribou Migration Alert - 2023-07-11 06:00 - Level 2 | 900 | East | KM112 |
| 2023-07-11 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-11 12:00 - Level 2 | - | - | - |
| 2023-07-11 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-11 18:00 - Level 2 | - | - | - |
| 2023-07-12 | 6:00 | N | 2 | Caribou Migration Alert - 2023-07-12 06:00 - Level 2 | 500 | North | Portal 1 |
| 2023-07-12 | 6:00 | N | 10 | Caribou Migration Alert - 2023-07-12 06:00 - Level 2 | 400 | West | KM7 |
| 2023-07-12 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-12 12:00 - Level 2 | - | - | - |
| 2023-07-12 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-12 18:00 - Level 2 | - | - | - |
| 2023-07-13 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-13 06:00 - Level 2 | - | - | - |
| 2023-07-13 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-13 06:00 - Level 2 | - | - | - |
| 2023-07-13 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-13 06:00 - Level 2 | - | - | - |
| 2023-07-14 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-14 06:00 - Level 2 | - | - | - |
| 2023-07-14 | 12:00 | N | 1 | Caribou Migration Alert - 2023-07-14 12:00 - Level 2 | 500 | East | KM14 |

| Date | Time | Road Closure in Effect (Y/N) | Estimated Number of Caribou per Herd | Alert Level | Closest Estimated Distance from Site/AWAR (m) | Direction from Location | Location |
|---|---|---|---|---|---|---|---|
| 2023-07-14 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-14 18:00 - Level 2 | - | - | - |
| 2023-07-15 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-15 06:00 - Level 2 | - | - | - |
| 2023-07-15 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-15 12:00 - Level 2 | - | - | - |
| 2023-07-15 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-15 18:00 - Level 2 | - | - | - |
| 2023-07-16 | 6:00 | N | 1 | Caribou Migration Alert - 2023-07-16 06:00 - Level 2 | 2600 | East | KM19 |
| 2023-07-16 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-16 12:00 - Level 2 | - | - | - |
| 2023-07-16 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-16 18:00 - Level 2 | - | - | - |
| 2023-07-17 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-17 06:00 - Level 2 | - | - | - |
| 2023-07-17 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-17 12:00 - Level 2 | - | - | - |
| 2023-07-17 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-17 18:00 - Level 2 | - | - | - |
| 2023-07-18 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-18 06:00 - Level 2 | - | - | - |
| 2023-07-18 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-18 12:00 - Level 2 | - | - | - |
| 2023-07-18 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-18 18:00 - Level 2 | - | - | - |
| 2023-07-19 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-19 06:00 - Level 2 | - | - | - |
| 2023-07-19 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-19 12:00 - Level 2 | - | - | - |
| 2023-07-19 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-19 18:00 - Level 2 | - | - | - |
| 2023-07-20 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-20 06:00 - Level 2 | - | - | - |
| 2023-07-20 | 12:00 | N | 0 | Caribou Migration Alert - 2023-07-20 12:00 - Level 2 | - | - | - |
| 2023-07-20 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-20 18:00 - Level 2 | - | - | - |
| 2023-07-21 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-21 06:00 - Level 1 | - | - | - |
| 2023-07-21 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-21 18:00 - Level 1 | - | - | - |
| 2023-07-22 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-22 06:00 - Level 1 | - | - | - |
| 2023-07-22 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-22 18:00 - Level 1 | - | - | - |
| 2023-07-23 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-23 06:00 - Level 1 | - | - | - |
| 2023-07-24 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-24 06:00 - Level 1 | - | - | - |
| 2023-07-24 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-24 18:00 - Level 1 | - | - | - |
| 2023-07-25 | 6:00 | N | 0 | Caribou Migration Alert - 2023-07-25 06:00 - Level 1 | - | - | - |
| 2023-07-25 | 18:00 | N | 0 | Caribou Migration Alert - 2023-07-25 18:00 - Level 1 | - | - | - |
| 2023-07-26 | - | N | - | Caribou Migration Alert - 2023-07-26 | - | - | - |

**APPENDIX I**

# Hunter Harvest Study, 2023



# MELIADINE MINE

## 2023 HUNTER HARVEST STUDY AND CREEL SURVEY SUMMARY REPORT

## MARCH 2024

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# List of Acronyms

| | |
|---|---|
| AWAR | All-Weather Access Road |
| GN DoE | Government of Nunavut, Department of Environment |
| HHS | Hunter Harvest Study |
| IQ | Inuit Qaujimajatuqangit |
| KHTO | Kangiqliniq Hunters and Trappers Organization |
| LSA | Local Study Area |
| NWMB | Nunavut Wildlife Management Board |
| NIRB | Nunavut Impact Review Board |
| RSA | Regional Study Area |
| TEMMP | Terrestrial Environment Management and Monitoring Program |
| TK | Traditional Knowledge |

## SECTION 1 • EXECUTIVE SUMMARY

A Rankin Inlet Hunter Harvest Study (HHS) was initiated in 2020 and continued through 2023. The 2023 study included 56 participants of which 37 reported harvesting Caribou (*Rangifer tarandus*). Several guide outfitters were added as participants in 2023 and are now reporting harvest data. The number of participants in 2023 was a marked increase compared to 2022 (44 participants) and 2021 (40). Given an estimated 300 to 350 active hunters in the Hamlet of Rankin Inlet, the HHS represents from 11 to 12% of hunters in the community. With a total reported Caribou harvest of 483 in 2023, the total estimated number of Caribou harvested was between 4,025 to 4,390 animals, which is considerably lower than estimates in 2022 (i.e., 5,470 to 6,077 animals) and 2021 (i.e., 6,700 to 7,444). This estimate may be conservative (i.e., high) since participants likely represent a higher proportion of successful hunters in the community.

The 2023 HHS Caribou harvest data indicated that 5.0% of reported harvest occurred within 5 km of the AWAR (4.8% in 2022), and 26.9% occurred within the Meliadine Regional Study Area (RSA) (29.4% in 2022). During the Nunavut Wildlife Management Board (NWMB 2005) study from 1996 to 2001, 24.8% of reported harvest was within the Meliadine RSA. As per the Meliadine Terrestrial Environment Management and Monitoring Plan (TEMMP), due to a lack of existing baseline data, no thresholds related to Caribou harvesting in the Mine area can be identified; however, these very preliminary results suggest that the presence of the AWAR and the Meliadine Mine has not greatly increased hunting in the area. Provided the data and collaboration with local harvesters is suitable, after three years of data collection through implementation of the HHS, Agnico Eagle, in collaboration with the GN DoE and the Terrestrial Advisory Group (TAG), will discuss the next steps to reduce potential increased harvest associated with improved access due to the road (i.e., after the 2023 HHS). Based on available data, decisions on thresholds and mitigation related to Caribou movements may be premature.

A comprehensive comparison of Caribou harvest in the current study (2021 to 2023) and the NWMB (2005) study (1996 to 2001) determined that the average number of Caribou harvested per participant between 2021 and 2023 was higher within the HHS study area than between 1996 to 2001 for each month except November. This outcome is less pronounced when comparing harvest rates within the Meliadine RSA. Comparisons in the total number of Caribou harvested between the two studies is difficult to determine because of changing Caribou distribution, differences in hunter numbers, varied hunter success, and differences in study design.

Fourteen (14) Muskox (*Ovibos moschatus*), three (3) Wolverine (*Gulo gulo*), and four (4) Arctic Wolf (*Canis lupus*) were harvested in 2023. The only other terrestrial mammals harvested in 2023 was Arctic Hare (*Lepus arcticus*; 1 individual) and Polar Bear (*Ursus maritimus*; 4). In the marine environment, Beluga (*Delphinapterus leucas*; 45 individuals) was the most common species reported as harvested, followed by Ringed Seal (*Pusa hispida*; 29 individuals), Bearded Seal (*Erignathus barbatus*; 5), Narwhal (*Monodon monoceros*; 2), and Walrus (*Odobenus rosmarus*; 2).

Moderate numbers of bird species were harvested by Rankin Inlet participants in 2023 with Canada Goose (*Branta canadensis*; 78 individuals) and Common Eider (*Somateria mollissima*; 65) harvested at the highest levels. Ptarmigan (*Lagopus* sp.; 33), Snow Goose (*Anser caerulescens*; 44), goose sp. (8), Northern Pintail (*Anas acuta*; 12), Sandhill Crane (*Grus canadensis*; 6), Northern Pintail (*Anas acuta*; 6), gull sp. (*Larus* sp.; 1), and Tundra Swan (*Cygnus columbianus*) were also harvested.

The most common fish species captured, Arctic Char (*Salvelinus alpinus*), represented 93% of the total catch in 2023 (compared to 77% in 2022 and 72% in 2021). Lake Trout (*Salvelinus namaycush*; 4.5%) were captured at moderate numbers. The other two species that were the focus of the HHS, Arctic Grayling (*Thymallus arcticus*) and Lake Whitefish (*Coregonus clupeaformis*), were caught at low numbers.

## SECTION 2 • OVERVIEW

As outlined in the Terrestrial Environment Management and Monitoring Program (TEMMP; Agnico Eagle 2022) and as a requirement of the Nunavut Impact Review Board (NIRB) Project Certificate No. 006 Terms and Conditions 46 and 48, the Rankin Inlet Hunter Harvest Study (HHS) was initiated in 2020 by Agnico Eagle. The HHS is being conducted in conjunction with the Kangiqliniq Hunters and Trappers Organization (KHTO) to monitor and document the spatial distribution, seasonal patterns, and harvest rates of hunter kills and angler catches within the Meliadine Regional Study Area (RSA).

Nunavut Environmental Consulting was contracted to work alongside the KHTO in conducting the study in 2023 and increase hunter participation. The 2023 HHS, through regular visits, contributed to developing relationships with local harvesters, outfitting and guiding businesses, and the Government of Nunavut, Department of Environment (GN DoE).

Preliminary detailed analyses of the differences in Caribou harvest rates between the current study (2021 to 2023) and the NWMB study (1996 to 2001) are included in this report. Detailed analyses will be conducted in subsequent reports as the HHS database becomes more robust.

## SECTION 3 • OBJECTIVES

The primary objective of the HHS is to monitor potential project-related effects on harvesting of wildlife by residents of the Hamlet of Rankin Inlet. This objective is achieved by estimating the following key metrics:

1. Determining the distribution of Caribou (*Rangifer tarandus*), Muskox (*Ovibos moschatus),* Grizzly Bear (*Ursus arctos*), Polar Bear (*Ursus maritimus*), Arctic Wolf (*Canis lupus*), Wolverine (*Gulo gulo*), Arctic Fox (*Vulpes lagopus*), goose, ptarmigan, and seal harvest by residents of Rankin Inlet; and
2. Estimating the total level (or an index) of harvest by residents of Rankin Inlet.

Other objectives of the HHS 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 Rankin Inlet 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 Meliadine All-Weather Access Road (AWAR). For Caribou, determining how current harvest rates compare to historical levels (i.e., NWMB 2005 – 1996 to 2001).

As discussed during consultation with stakeholders, including the KHTO, the HHS will further seek to:

- increase and maintain the hunter and fisherman participant rate in the future of the program;
- Increase efforts to include guide outfitters as participants in the HHS;
- improve resource protection;
- improve hunter and fisherman awareness and education;
- increase the integration of Inuit Qaujimajatuqangit (IQ) and Traditional Knowledge (TK);
- increase availability of data to support a collective approach to understanding harvest; and
- assist Agnico Eagle in mitigative actions and the GN in management decisions.

## SECTION 4 • METHODOLOGY

The wildlife species that are the focus of the HHS are Caribou, Muskox, Grizzly Bear, Polar Bear, Wolf, Wolverine, Arctic Fox, goose, ptarmigan, and seal; however, harvest data on other species, such as Beluga (*Delphinapterus leucas*), Common Eider (*Somateria mollissima*), and Sandhill Crane (*Grus canadensis*) are also collected. The 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 (Priority species = Arctic Char, Lake Trout, Lake Whitefish, and Arctic Grayling) were 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 to participants 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 Nunavut residents (see Appendix A for the 2023 Rankin Inlet calendar). Space is provided in the calendar for each day where harvest details can be documented.

A map is provided at the end of the calendar that delineates a 5 $km^2$ UTM grid around the Rankin Inlet and Meliadine mine areas, and regions indicated as important for hunting during discussions with KHTO members. 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 2023, October 2023, and January 2024) by the harvest study coordinator. During the January 2024 interviews, remaining data from 2023 were collected, a new 2024 HHS calendar was provided, and prizes were distributed. 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 2023 HHS included:

1) adding new participants;
2) building long-term relationships between participants and researchers;
3) increasing engagement with participants on social media platforms such as Facebook and Instagram; and
4) increasing incentives for participating in the study (e.g., gas vouchers and prizes).

## SECTION 5 • HISTORICAL RESULTS

The number of hunters interviewed during the comprehensive 5-year Nunavut Wildlife Harvest Study (NWMB 2005) was 327, which apparently represented 97% of all hunters in Rankin Inlet (NWMB 2005). For the purposes of this annual report, and in the absence of more specific details on hunter numbers, the total number of active hunters in Rankin Inlet was estimated to be 300 to 350. Future discussions with KHTO members and other community groups in 2024 will focus on obtaining a better estimate of current numbers of active hunters in the Hamlet of Rankin Inlet.

Between 1996 and 2001, 4.5% of Caribou reported harvests were within 5 km of the Meliadine AWAR (prior to construction) and 24.8% of harvests occurred within the RSA (NWMB 2005). According to the NWMB harvest study, an average of 535 Caribou were harvested per year over the five-years between June 1996 and May 2001 (NWMB 2005).

Based on the NWMB (2005) results, highest Caribou harvests occurred from March to May and from September to November.

A detailed analysis of the average number of Caribou harvested per participant during the NWMB (2005) study is provided in Section 6.1.3 of this report.

# SECTION 6 • 2023 HUNTER HARVEST STUDY RESULTS

## 6.1 BARREN-LAND CARIBOU

### 6.1.1 Number of Hunters

The HHS included 56 participants by the end of 2023, which was a marked increase compared to 2022 (44 participants) and 2021 (40). Recruitment efforts in the Hamlet of Rankin Inlet during community visits and on social media platforms resulted in the many new participants in 2023. Of the 2023 participants, Caribou harvest data were collected from 37 participants, which was higher than the 31 participants reporting Caribou harvest in 2022.

Based on the previous discussion of total numbers of hunters in the Hamlet of Rankin Inlet (Section 5 Historical Results), an estimated 300 to 350 active hunters live within the Rankin Inlet community. Discussions with Rankin Inlet HTO members in 2019 through 2023 suggest the total number of hunters is well over 300 but future HHS studies and discussions with the HTO will aim to refine hunter numbers. Based on these numbers, the 37 hunters reporting Caribou harvest in 2023 conservatively represent from 11 to 12% of total hunters in the community.

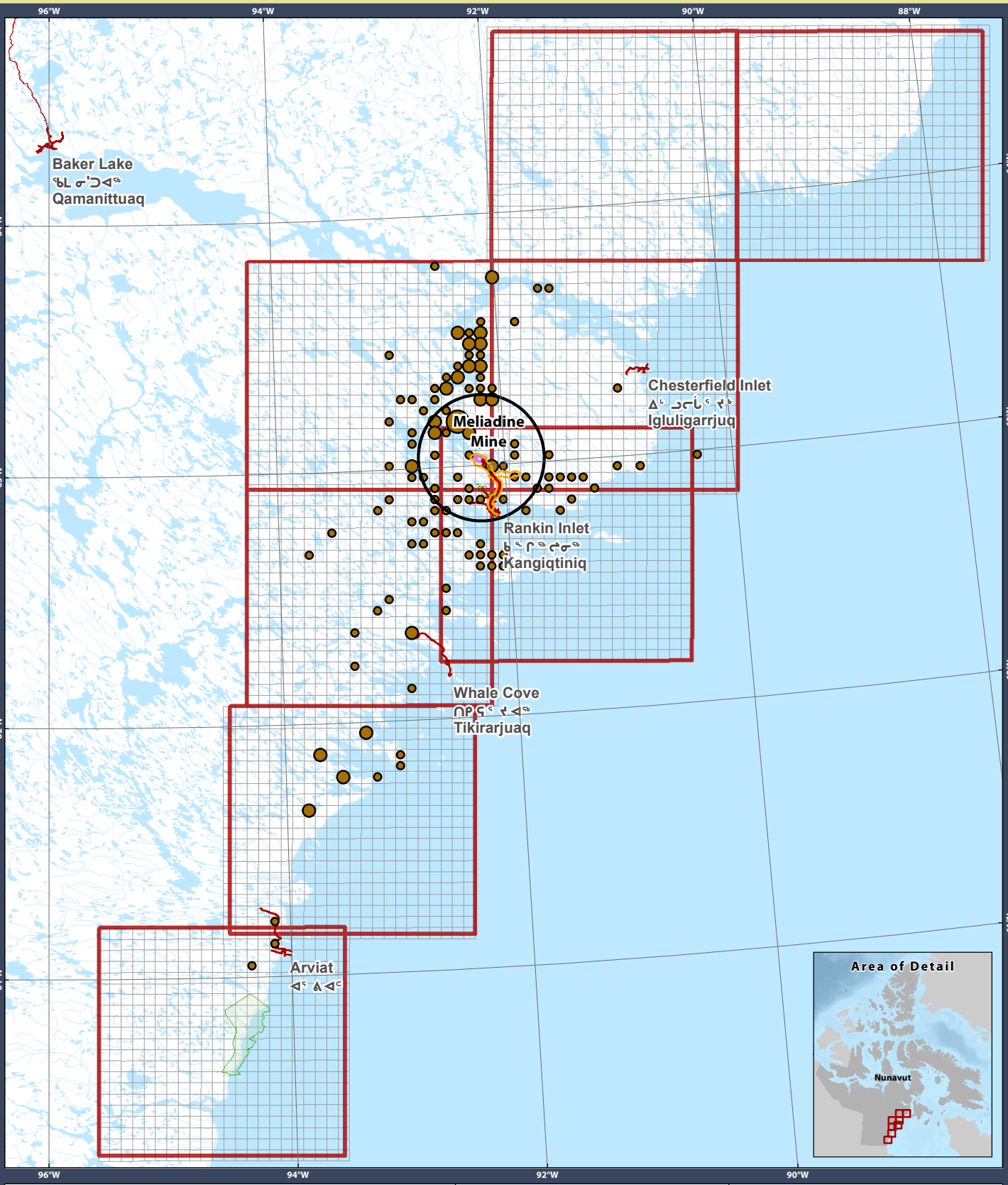
Participants noted that there is a growing demand for their skills as professional hunters, especially for taking sport hunters out for Caribou and Muskox, and that the prominence of guide outfitters has increased since the start of the HHS. Some participants consider this increased demand as a positive thing for their livelihood and for Rankin Inlet, while others are concerned that the demand for sport hunting is at odds with local and subsistence harvesting.

### 6.1.2 Distribution of Hunting

Figure 6.1 illustrates the distribution of 2023 Caribou harvest within the HHS data collection area. Hunting was concentrated in the vicinity of the Hamlet of Rankin Inlet and particularly between the Meliadine Mine and the southern shore of Chesterfield Inlet. A small number of harvests were recorded near the hamlets of Whale Cove, Arviat, and Chesterfield Inlet.

Hunting did not appear to be associated with the Meliadine AWAR, although several harvests were recorded within the Meliadine RSA. Variation in harvest location and intensity is attributable to numerous factors. For instance, hunters may have a ‘favorite’ hunting area that they frequent each year while others prefer hunting in ‘convenient’ locations. Some hunters prefer remote locations well away from frequented areas. The primary factor determining location of successful harvests each year is the availability and distribution of Caribou herds in the area.

Figure 6.2 shows hunting distribution by community from the five-year NWMB study for the HHS study area. Most Caribou hunting occurred around the four hamlets in the study area. Figures 6.3 to 6.5 show the Caribou harvest distribution (i.e., average number of Caribou per participant) for the Rankin Inlet component of the NWMB (2005) study (1996 to 2001; 6 years), the current study (2021 to 2023; 3 years), and both studies combined, respectively. Distribution of harvest is similar in the two studies.




## Legend

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

Total Caribou Harvest

- 1 - 5
- 6 - 10
- 11 - 20
- > 20

0 15 30 45 60

Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.1**

**Total Number of Caribou Harvested in 2023**

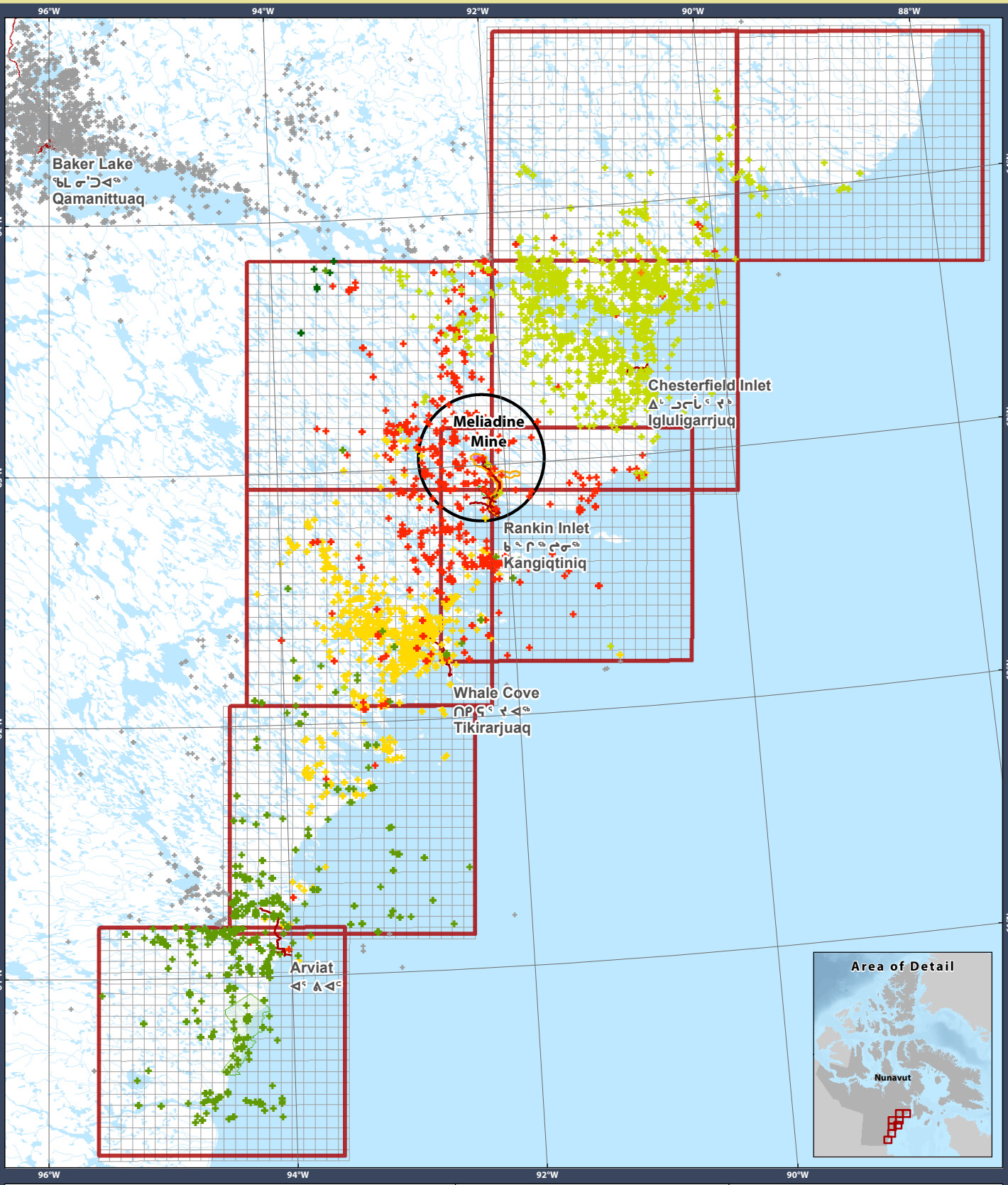
**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING

Nunavut ENVIRONMENTAL CONSULTING LTD

23/02/2024




**Legend**

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

NWMB Caribou Harvest

- Outside RIHHS
- Baker Lake
- Arviat
- Chesterfield Inlet
- Whale Cove
- Coral Harbour
- Rankin Inlet

0 15 30 45 60

Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Wildlife Management Board
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.2**

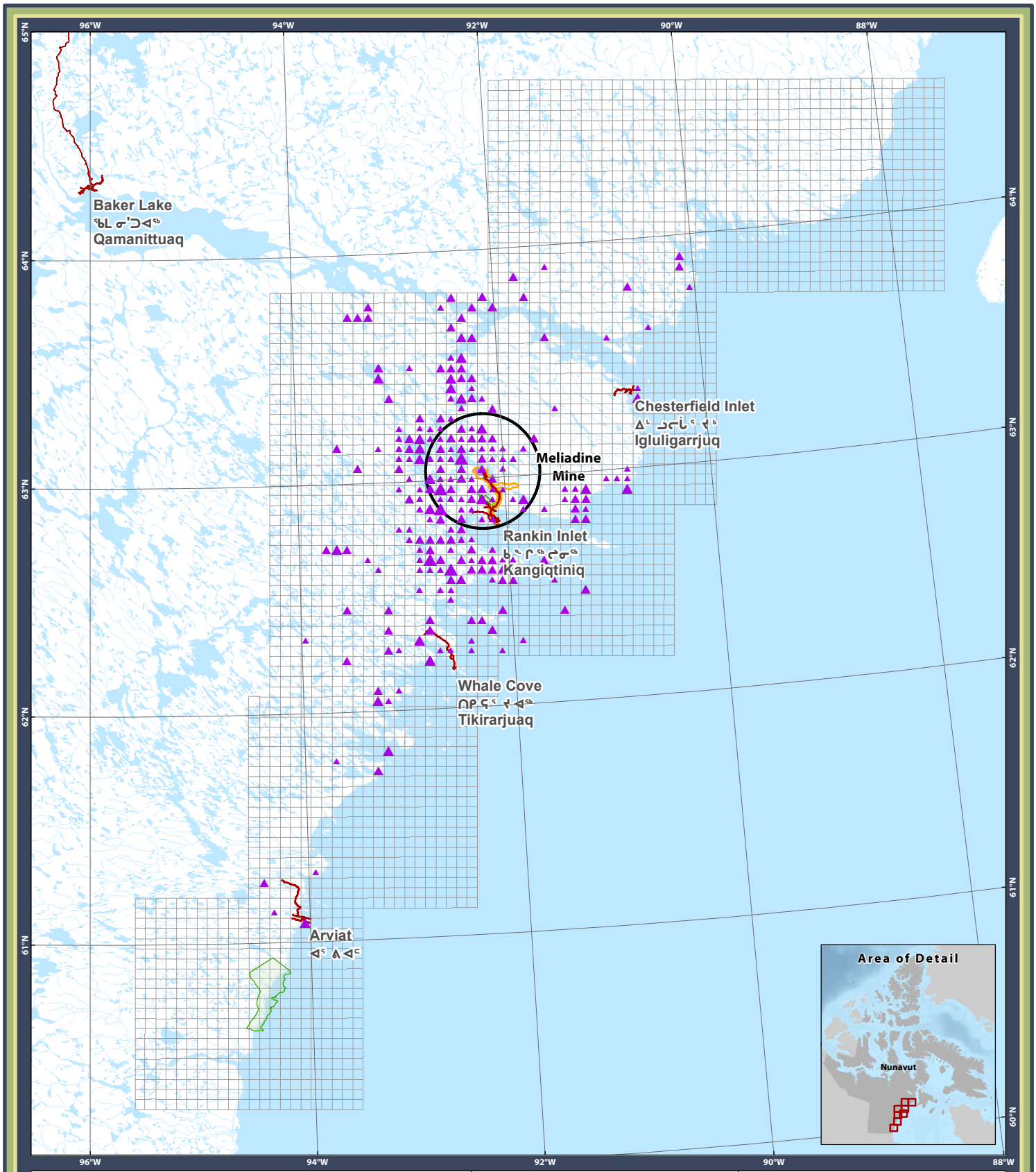
**Distribution of NWMB Caribou Harvest By Community (1996 to 2001)**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO EAGLE

By: CASLYS CONSULTING; Nunavut ENVIRONMENTAL CONSULTING LTD

2022-03-09




**Legend**

- Roads
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

NWMB Rankin Inlet Hunters
Average # of Caribou per Participant

- 1 - 2
- 3 - 5
- 6 - 10
- >10

0 15 30 45 60
Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Wildlife Management Board
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.3**

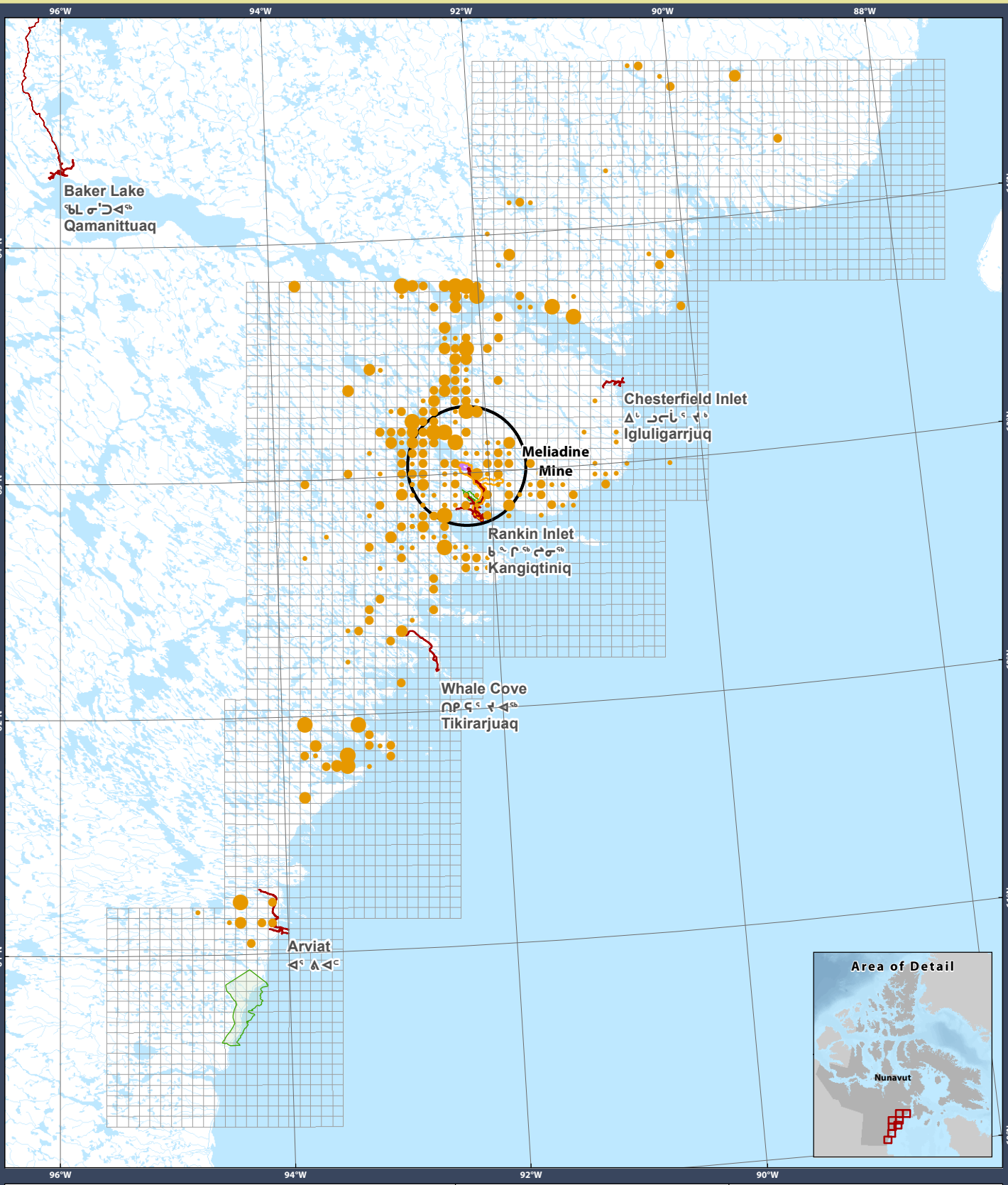
**Distribution of the Average # of Caribou per Participant for the Rankin Inlet Component of the NWMB Caribou Harvest (1996 to 2001)**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING; Nunavut ENVIRONMENTAL CONSULTING LTD

12/03/2024




## Legend

- Roads
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

Rankin Inlet HHS
Average # of Caribou per Participant

- 1 - 2
- 3 - 5
- 6 - 10
- >10

0 15 30 45 60
Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Wildlife Management Board
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.4**

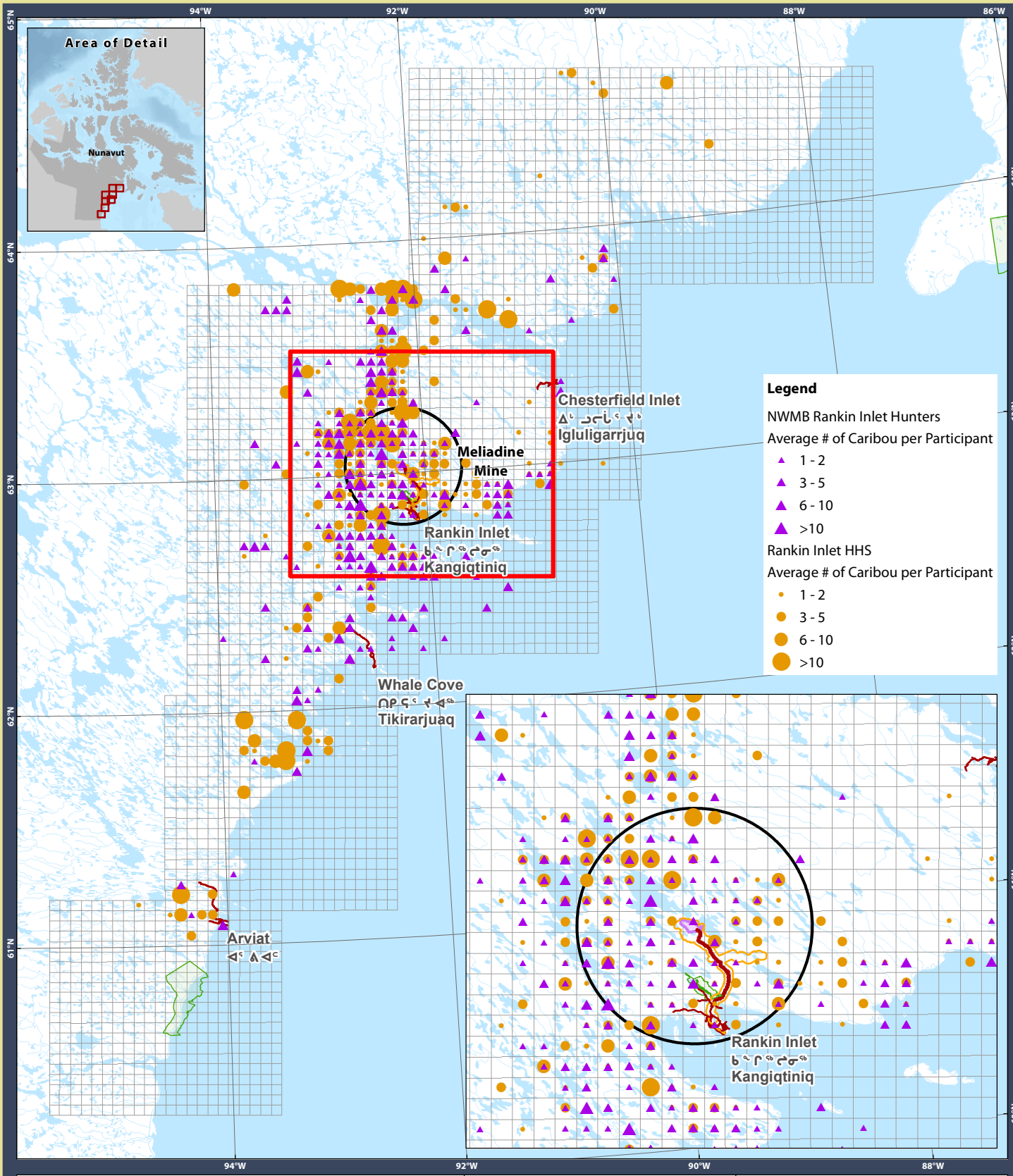
**Distribution of Average # of Caribou per Participant for the Current Rankin Inlet Caribou Harvest (2021 to 2023)**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING; Nunavut ENVIRONMENTAL CONSULTING LTD

12/03/2024




**Legend**

- Roads
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

0 15 30 45 60
Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Wildlife Management Board
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.5**

**Distribution of the Average # of Caribou per Participant for the Rankin Inlet HHS (2021 to 2023) and the NWMB Study (1996 to 2001)**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING, Nunavut Environmental Consulting Ltd

14/03/2024

The 2023 HHS data indicated that 5.0% of reported harvest occurred within 5 km of the AWAR (4.8% in 2022), and 26.9% occurred within the Meliadine RSA (29.4% in 2022; see Table 6.1). During the NWMB study from 1996 to 2001, 24.8% of reported harvest was within the Meliadine RSA. Unlike for the Meadowbank Mine project, threshold levels for monitoring the effects of the Meliadine Mine development on the distribution of Caribou harvest will not be set until three years of hunter harvest data have been collected as per TEMMP (i.e., after the 2023 HHS). Harvest data in this report will be discussed with the TAG to determine need for mitigation measures and harvest thresholds.

**Table 6.1**: Caribou Harvest Distribution along the AWAR and within the Rankin Inlet Local Study Area (LSA) and RSA (1996 to 2001 [NWMB], and 2021 to 2023 [Rankin Inlet 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 Meliadine LSA | % of Annual Harvest within Meliadine RSA |
|---|---|---|---|---|---|
| NWMB 1996 to 2001 (Rankin Inlet) | NA | 4.1 | 4.5% | 0.3% | 24.8% |
| Rankin Inlet HHS 2021 | 16.7% | 5.0 | 3.7% | 3.3% | 19.7% |
| Rankin Inlet HHS 2022 | 25.8% | 3.3 | 4.8% | 4.0% | 29.4% |
| Rankin Inlet HHS 2023 | 16.2% | 4.0 | 5.0% | 2.9% | 26.9% |
| Average (2021 to 2023) | 19.6% | 4.1 | 4.5% | 3.4% | 25.3% |

### 6.1.3 Magnitude of Hunting

In 2023, a total of 483 Caribou were reported as being harvested by 37 participants in the Rankin Inlet HHS (see Table 6.2). Caribou harvest numbers during the five-year NWMB study for the hamlets of Rankin Inlet, Arviat, Chesterfield Inlet, and Whale Cove are also provided in Table 6.2.

Given that the 37 hunters may represent an estimated 11 to 12% of the Rankin Inlet hunting community (see Section 5 Historical Results), the total estimated number of Caribou harvested in 2023 was between 4,025 to 4,390 animals, which is considerably lower than estimates in 2022 (i.e., 5,470 to 6,077 animals) and 2021 (i.e., 6,700 to 7,444). This estimate appears to be conservative since participants likely represented a higher proportion of successful hunters in the community.

A detailed analysis of the difference in Caribou harvest rates between the current study and the NWMB (2005) study (1996 to 2001) found that the average number of Caribou harvested per participant within the HHS study area was higher during the current study for all months except November (see Table 6.3; Figure 6.6). Similar results, although not as compelling, were found in the RSA (see Table 6.3; Figures 6.7). The highest months (e.g., 2022) were because one hunter harvested a high number of Caribou (i.e., one participant reporting 14 Caribou harvests in February 2022 and one reporting 14 in March 2022. When analyzing overall Caribou harvest (i.e., average # of Caribou harvested per month) between the two studies, current harvest appears to be lower than historical levels (Table 6.4); however, the data table does not consider the number of hunters participating in the two studies.

**Table 6.2**: Hunter Caribou Harvest Statistics from the NWMB (2005) Study and Rankin Inlet HHS (2021 to 2023).

**2021 to 2023 Rankin Inlet Hunter Harvest Study**

| Year | January | February | March | April | May | June | July | August | September | October | November | December | Yearly Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021 | 283 | 36 | 37 | 78 | 96 | 0 | 13 | 14 | 51 | 27 | 8 | 27 | 670 |
| 2022 | 94 | 95 | 51 | 27 | 75 | 6 | 14 | 49 | 73 | 20 | 15 | 28 | 547 |
| 2023 | 61 | 39 | 26 | 64 | 29 | 12 | 23 | 32 | 84 | 76 | 8 | 29 | 483 |
| Total # | 438 | 170 | 114 | 169 | 200 | 18 | 50 | 95 | 208 | 123 | 31 | 84 | 1700 |
| Average | 146.0 | 56.7 | 38.0 | 56.3 | 66.7 | 6.0 | 16.7 | 31.7 | 69.3 | 41.0 | 10.3 | 28.0 | 340.0 |
| % of Total | 25.8 | 10.0 | 6.7 | 9.9 | 11.8 | 1.1 | 2.9 | 5.6 | 12.2 | 7.2 | 1.8 | 4.9 | 100.0 |

**1996 to 2001 Nunavut Wildlife Harvest Study (NWMB 2005) – Rankin Inlet Results within the Rankin Inlet HHS Survey Area**

| Year | January | February | March | April | May | June | July | August | September | October | November | December | Yearly Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | | | | | | | 35 | 67 | 67 | 87 | 138 | 116 | 510 |
| 1997 | 95 | 105 | 118 | 89 | 50 | 1 | 4 | | | | | | 462 |
| 1998 | | | 117 | 33 | 6 | 7 | 15 | 12 | 72 | 15 | 15 | 28 | 320 |
| 1999 | 108 | 80 | 108 | 80 | 33 | 20 | 75 | 86 | 52 | 38 | 63 | 41 | 784 |
| 2000 | 34 | 35 | 68 | 111 | 69 | 29 | 17 | 40 | 78 | | 30 | | 511 |
| 2001 | | 19 | 27 | 37 | 3 | | | | | | | | 86 |
| Total # | 237 | 239 | 438 | 350 | 161 | 57 | 146 | 205 | 269 | 140 | 246 | 185 | 2673 |
| Average | 79.0 | 59.8 | 87.6 | 70.0 | 32.2 | 14.3 | 29.2 | 51.3 | 67.3 | 46.7 | 61.5 | 61.7 | 445.5 |
| % of Total | 8.9 | 8.9 | 16.4 | 13.1 | 6.0 | 2.1 | 5.5 | 7.7 | 10.1 | 5.2 | 9.2 | 6.9 | 100.0 |

**Table 6.2**: Continued.

**1996 to 2001 Nunavut Wildlife Harvest Study (NWMB 2005) – Arviat Results within the Rankin Inlet HHS Survey Area**

| Year | January | February | March | April | May | June | July | August | September | October | November | December | Yearly Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | | | | | | 56 | 52 | 53 | 317 | 349 | 260 | 122 | 1209 |
| 1997 | 133 | 102 | 112 | 190 | 48 | 62 | 116 | 122 | 245 | 230 | 89 | 59 | 1508 |
| 1998 | 99 | 121 | 169 | 147 | 138 | 88 | 156 | 68 | 207 | 74 | 15 | 15 | 1297 |
| 1999 | 168 | 91 | 79 | 128 | 25 | 49 | 70 | 51 | 271 | 275 | 19 | 22 | 1248 |
| 2000 | 49 | 17 | 13 | 62 | 35 | 32 | 54 | 68 | 211 | 79 | 118 | 93 | 831 |
| 2001 | 44 | 181 | 6 | 211 | 159 | | | | | | | | 601 |
| Total # | 493 | 512 | 379 | 738 | 405 | 287 | 448 | 362 | 1251 | 1007 | 501 | 311 | 6694 |
| Average | 98.6 | 102.4 | 75.8 | 147.6 | 81.0 | 57.4 | 89.6 | 72.4 | 250.2 | 201.4 | 100.2 | 62.2 | 1115.7 |
| % of Total | 7.4 | 7.6 | 5.7 | 11.0 | 6.1 | 4.3 | 6.7 | 5.4 | 18.7 | 15.0 | 7.5 | 4.6 | 100.0 |

**1996 to 2001 Nunavut Wildlife Harvest Study (NWMB 2005) – Chesterfield Inlet Results within the Rankin Inlet HHS Survey Area**

| Year | January | February | March | April | May | June | July | August | September | October | November | December | Yearly Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | | | | | | 27 | 45 | 98 | 77 | 29 | 30 | 46 | 352 |
| 1997 | 112 | 51 | 89 | 24 | 17 | 31 | 31 | 30 | 71 | 33 | 150 | 29 | 668 |
| 1998 | 54 | 42 | 28 | 39 | 53 | 18 | 40 | 41 | 90 | 12 | 16 | 8 | 441 |
| 1999 | 88 | 40 | 47 | 16 | 33 | 21 | 23 | 37 | 35 | 18 | 34 | 27 | 419 |
| 2000 | 22 | 16 | 10 | 17 | 18 | 8 | 43 | 45 | 33 | 25 | 32 | 30 | 299 |
| 2001 | 17 | 24 | 37 | 26 | 24 | | | | | | | | 128 |
| Total # | 293 | 173 | 211 | 122 | 145 | 105 | 182 | 251 | 306 | 117 | 262 | 140 | 2307 |
| Average | 58.6 | 34.6 | 42.2 | 24.4 | 29.0 | 21.0 | 36.4 | 50.2 | 61.2 | 23.4 | 52.4 | 28.0 | 384.5 |
| % of Total | 11.0 | 6.5 | 7.9 | 4.6 | 5.4 | 3.9 | 6.8 | 9.4 | 11.4 | 4.4 | 9.8 | 5.2 | 100.0 |

**Table 6.2**: Continued.

**1996 to 2001 Nunavut Wildlife Harvest Study (NWMB 2005) – Whale Cove Results within the Rankin Inlet HHS Survey Area**

| Year | January | February | March | April | May | June | July | August | September | October | November | December | Yearly Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1996 | | | | | | 13 | 25 | 43 | 58 | 50 | 82 | 40 | 311 |
| 1997 | 68 | 9 | 13 | 35 | 9 | 14 | 8 | 25 | 22 | 16 | 14 | 14 | 247 |
| 1998 | 21 | 11 | 21 | 22 | 65 | 21 | 39 | 31 | 43 | 19 | 31 | 19 | 343 |
| 1999 | 35 | 38 | 53 | 49 | 30 | 28 | 42 | 51 | 48 | 46 | 40 | 23 | 483 |
| 2000 | 27 | 29 | 15 | 23 | 20 | 11 | 42 | 37 | 42 | 55 | 56 | 18 | 375 |
| 2001 | 37 | 46 | 42 | 47 | 24 | | | | | | | | 196 |
| Total # | 188 | 133 | 144 | 176 | 148 | 87 | 156 | 187 | 213 | 186 | 223 | 114 | 1955 |
| Average | 37.6 | 26.6 | 28.8 | 35.2 | 29.6 | 17.4 | 31.2 | 37.4 | 42.6 | 37.2 | 44.6 | 22.8 | 325.8 |
| % of Total | 7.0 | 5.0 | 5.4 | 6.6 | 5.5 | 3.3 | 5.8 | 7.0 | 8.0 | 7.0 | 8.3 | 4.3 | 100.0 |

**Table 6.3**: Difference in the Average Number of Caribou Harvested per Participant in the Rankin Inlet Hunter Harvest Study (RIHHS; 2021 to 2023) and the Nunavut Wildlife Management Board Study (NWMB; 1996 to 2001) within the HHS Boundaries and the Meliadine Regional Study Area.

| | Average # of Caribou Harvested per Participant | | | |
|---|---|---|---|---|
| | Rankin Inlet HHS Boundaries | | Meliadine Regional Study Area | |
| **Month** | **+/- Median Change** | **Result** | **+/- Median Change** | **Result** |
| January | 6.5 | RIHHS > NWMB | 2.6 | RIHHS > NWMB |
| February | 2.7 | RIHHS > NWMB | 6.1 | RIHHS > NWMB |
| March | 2.3 | RIHHS > NWMB | 5.5 | RIHHS > NWMB |
| April | 1.9 | RIHHS > NWMB | -1.5 | RIHHS < NWMB |
| May | 3.6 | RIHHS > NWMB | 0.9 | RIHHS > NWMB |
| June | 1.2 | RIHHS > NWMB | 1.1 | RIHHS > NWMB |
| July | 0.8 | RIHHS > NWMB | 1.4 | RIHHS > NWMB |
| August | 1.1 | RIHHS > NWMB | -0.3 | RIHHS < NWMB |
| September | 1.5 | RIHHS > NWMB | 0.1 | RIHHS > NWMB |
| October | 0.7 | RIHHS > NWMB | 1.0 | RIHHS > NWMB |
| November | -1.1 | RIHHS < NWMB | -0.5 | RIHHS < NWMB |
| December | 1.3 | RIHHS > NWMB | -0.6 | RIHHS < NWMB |

**Table 6.4**: Difference in the Average Number of Caribou Harvested per Month over All Years in the Rankin Inlet Hunter Harvest Study (RIHHS; 2021 to 2023) and the Nunavut Wildlife Management Board Study (NWMB - Rankin Inlet only; 1996 to 2001) within the HHS Boundaries.

| Average # of Caribou Harvested per Month over All Years per Study | | | | |
|---|---|---|---|---|
| **Month** | **RIHHS** | **NWMB** | **+/- Median Change** | **Result** |
| January | 146.0 | 79.0 | 67.0 | RIHHS > NWMB |
| February | 56.7 | 59.8 | -3.1 | RIHHS < NWMB |
| March | 38.0 | 87.6 | -49.6 | RIHHS < NWMB |
| April | 56.3 | 70.0 | -13.7 | RIHHS < NWMB |
| May | 66.7 | 32.2 | 34.5 | RIHHS > NWMB |
| June | 6.0 | 14.3 | -8.3 | RIHHS < NWMB |
| July | 16.7 | 29.2 | -12.5 | RIHHS < NWMB |
| August | 31.7 | 51.3 | -19.6 | RIHHS < NWMB |
| September | 69.3 | 67.3 | 2.1 | RIHHS > NWMB |
| October | 41.0 | 46.7 | -5.7 | RIHHS < NWMB |
| November | 10.3 | 61.5 | -51.2 | RIHHS < NWMB |
| December | 28.0 | 61.7 | -33.7 | RIHHS < NWMB |

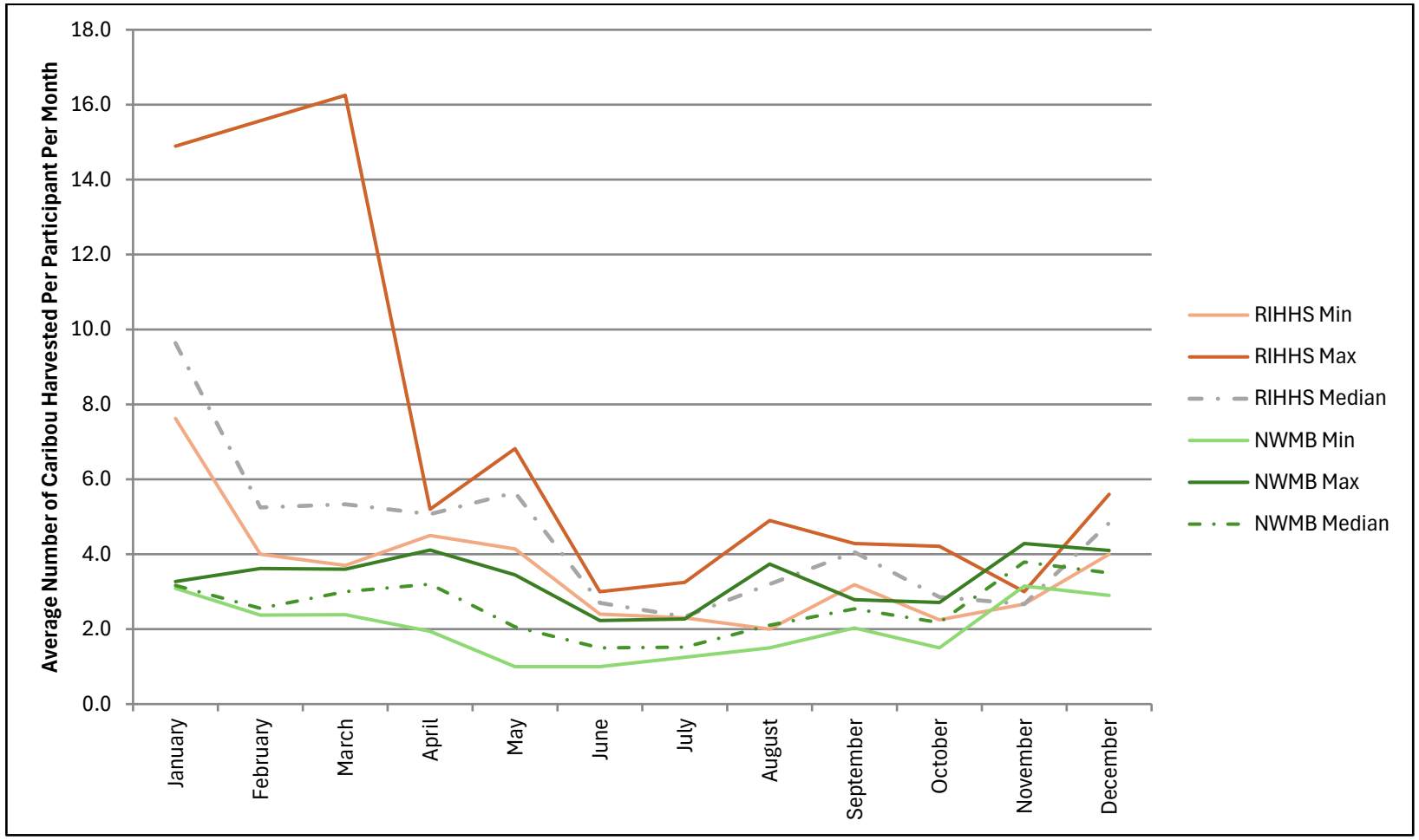



**Figure 6.6**: Minimum, Maximum, and Median Average Number of Caribou Harvested per Participant per Month for the Rankin Inlet Hunter Harvest Study (RIHHS; 2021 to 2023) and the Nunavut Wildlife Management Board Study (NWMB; 1996 to 2001) within the RIHHS Boundaries.

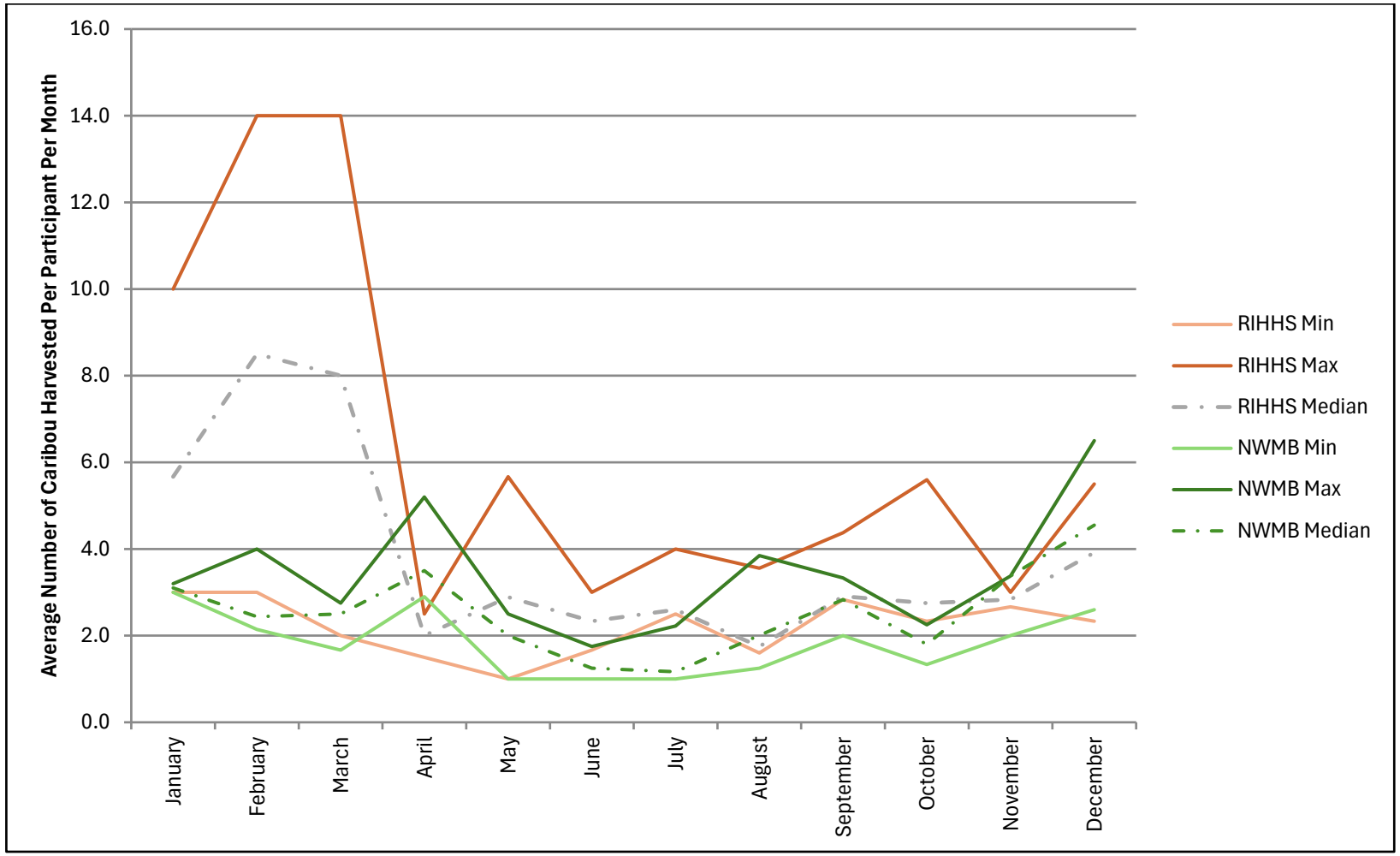



**Figure 6.7**: Minimum, Maximum, and Median Average Number of Caribou Harvested per Participant per Month for the Rankin Inlet Hunter Harvest Study (RIHHS; 2021 to 2023) and the Nunavut Wildlife Management Board Study (NWMB; 1996 to 2001) within the Regional Study Area (RSA).

### 6.1.4 Seasonal Distribution and Timing of Hunting

The Rankin Inlet HHS results to date indicate that the highest Caribou harvests occurred in winter (January and February), with smaller peaks in spring (April and May), and fall (September and October) (see Figure 6.8). Similarly, during the five-year NWMB harvest study, the highest Caribou harvests occurred between March and May, and between September and November. The pattern between the studies indicates that seasonal hunting preferences are similar.

More details on the seasonal timing of harvest in 2023 can be found in Figure 6.9 (i.e., numbers of animals harvested, numbers of participants, and average number of animals harvested by participant by month) and Figure 6.10 (i.e., Caribou harvest numbers by season and proximity to the Meliadine AWAR). As can be seen from the latter figure, very few Caribou were harvested within 5 km of the AWAR.

The distribution of hunting in the Rankin Inlet HHS study area is illustrated in Figure 6.1, which includes all 2023 results, and Figures 6.11a to 6.11d, representing the spring, summer, fall and winter Caribou seasons.

In spring, overall Caribou hunting occurred primarily south and west of the Hamlet of Rankin Inlet, within and west of the Meliadine RSA, around the Hamlet of Whale Cove, between the hamlets of Whale Cove and Arviat (Figure 6.11a). Very few or no harvests were reported near the hamlets of Chesterfield Inlet and Arviat.

During the summer, most Caribou were harvested in the vicinity of the Hamlet of Rankin Inlet and within the Meliadine Mine RSA (Figure 6.11b). A small number of Caribou were reported as being harvested along Chesterfield Inlet and south of the Hamlet of Whale Cove, while none were reported near the Hamlet of Arviat (Figure 6.11b).

In the fall, hunting was concentrated north of the Hamlet of Rankin Inlet, within and outside the Meliadine Mine RSA, and southeast of the Hamlet of Rankin Inlet (Figure 6.11c). Some hunting may have been associated with the Meliadine Mine AWAR. No harvesting was reported near the hamlets of Chesterfield Inlet or Arviat.

In winter, most reported Caribou harvests were north of the Meliadine RSA (Figure 6.11d). A smaller number of harvests were reported around the hamlets of Chesterfield Inlet, Whale Cove, and Arviat (Figure 6.11d). Successful hunters during winter appeared to be those that travelled further afield by snowmobile.

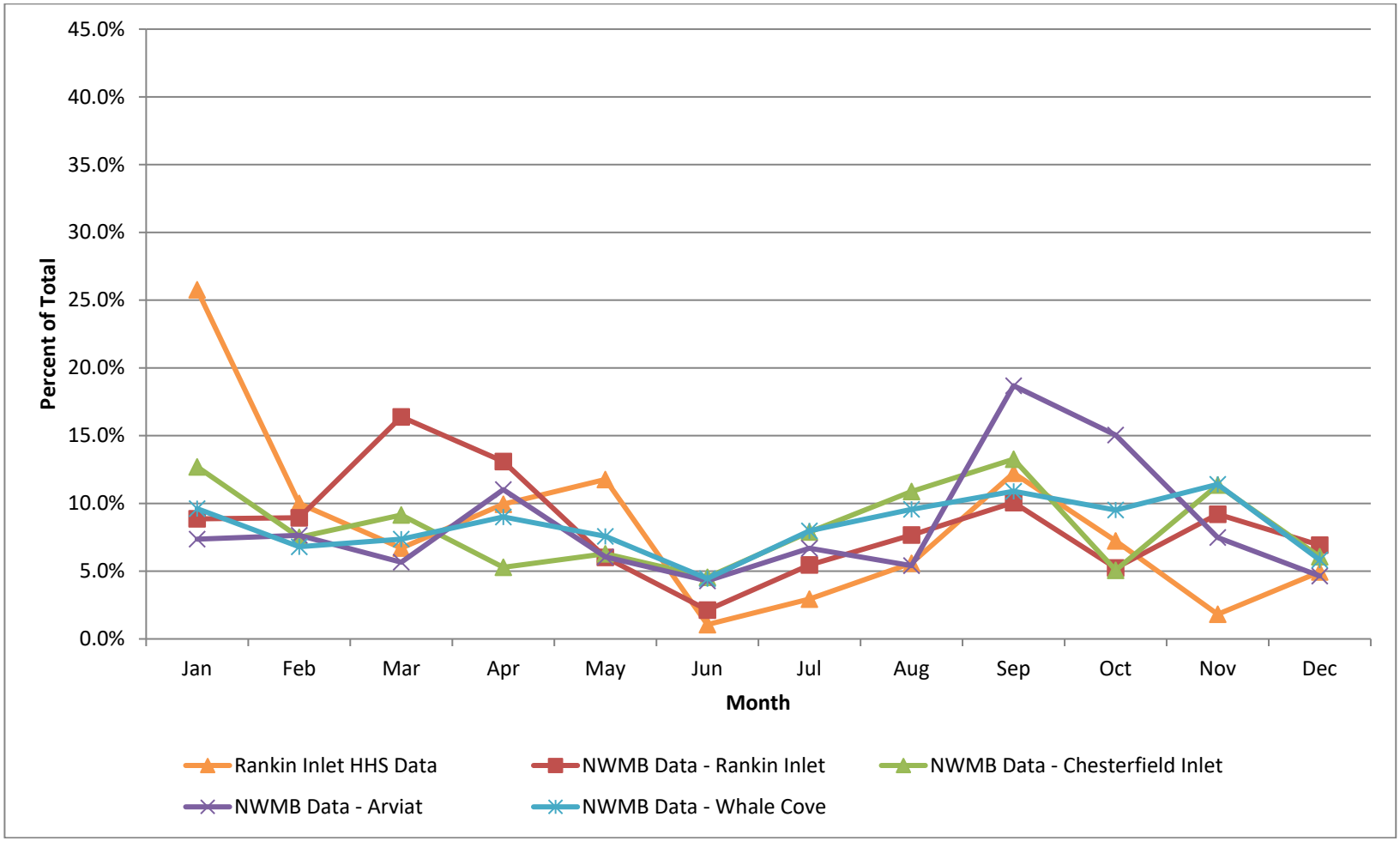



**Figure 6.8:** Seasonal Trends in Caribou Harvest from the Rankin Inlet Hunter Harvest Study (2021 and 2023) and the NWMB Study (1996 to 2001).

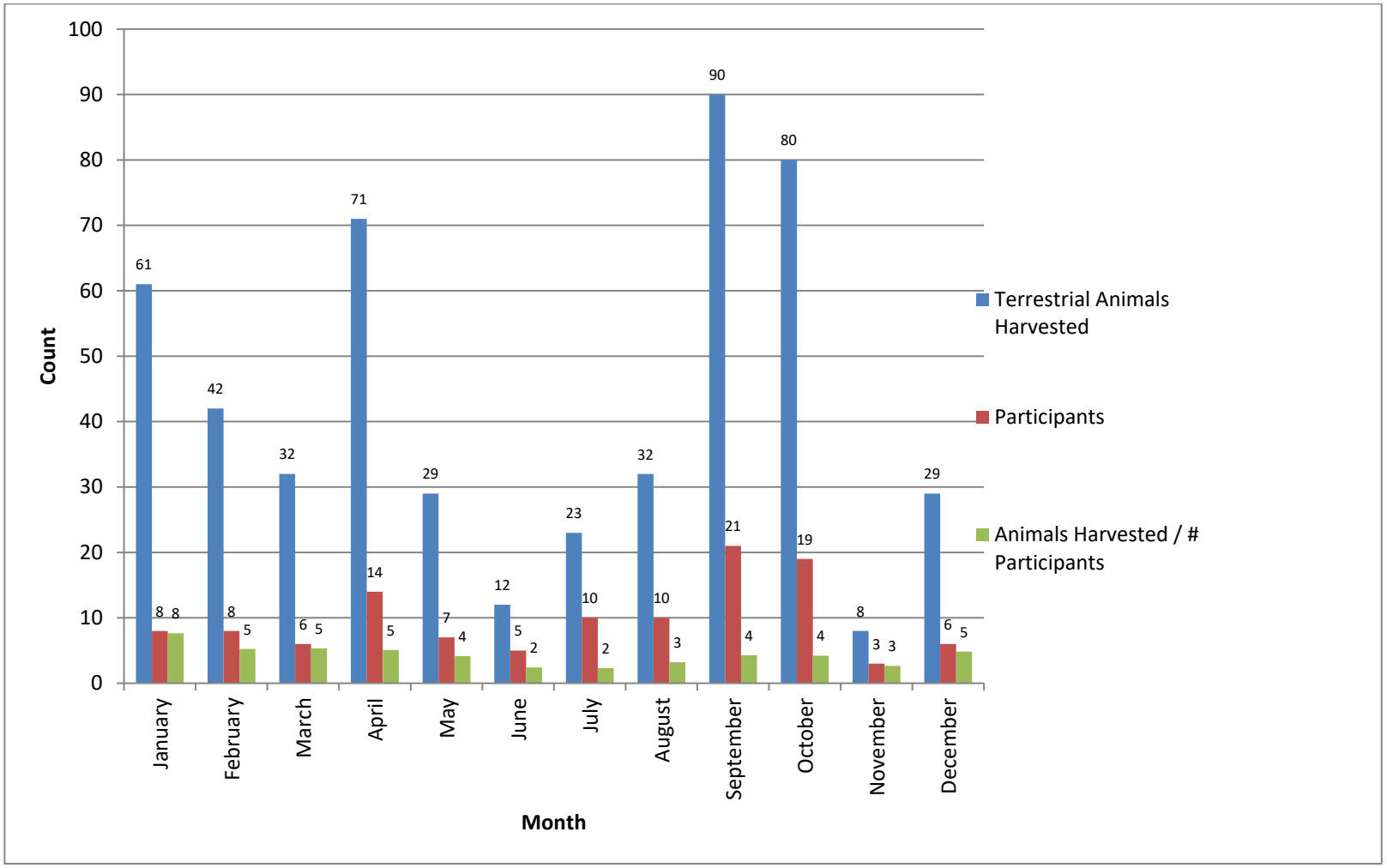



**Figure 6.9:** Terrestrial Animals Harvested per Month and by Participant in 2023.

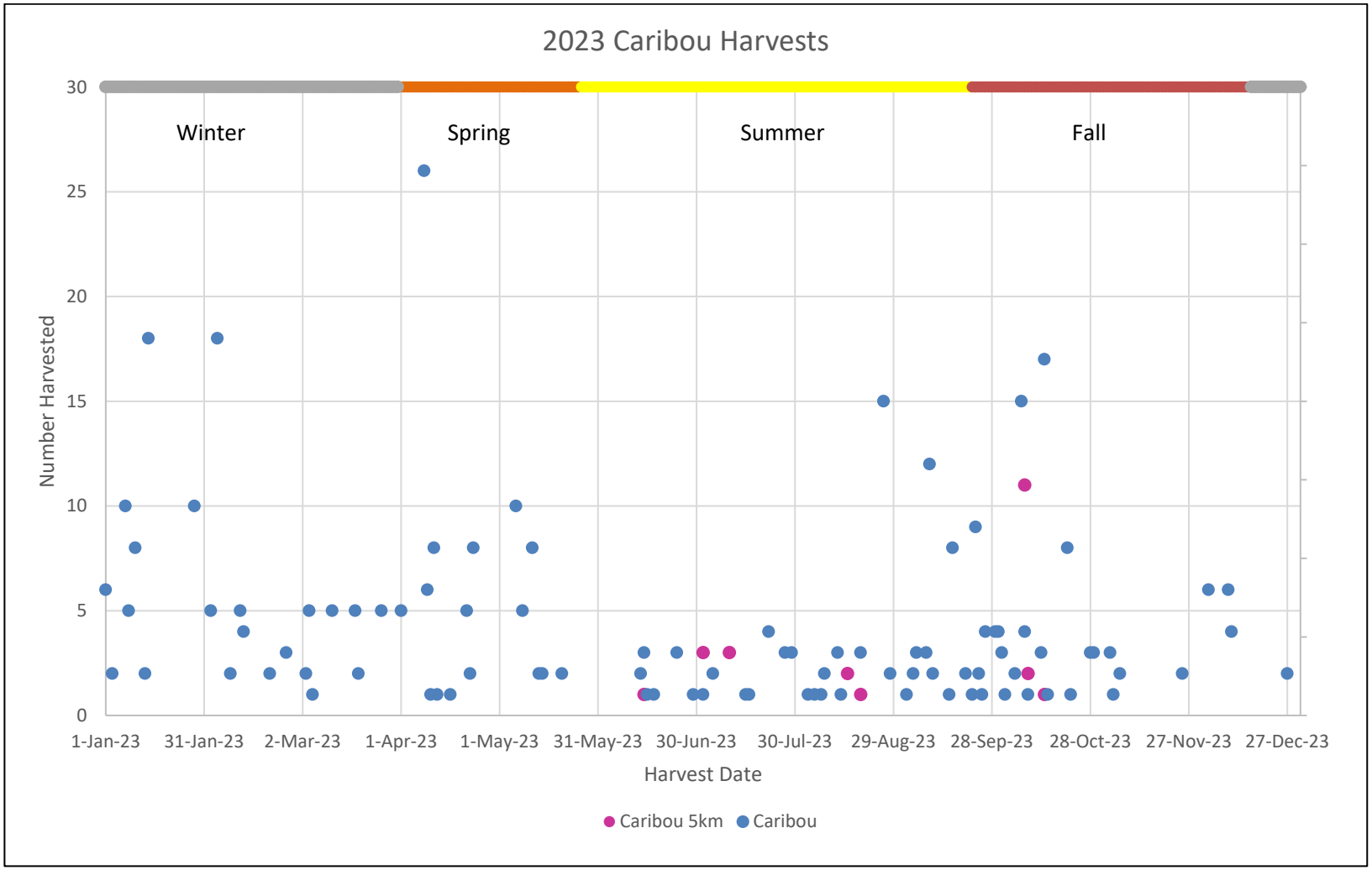
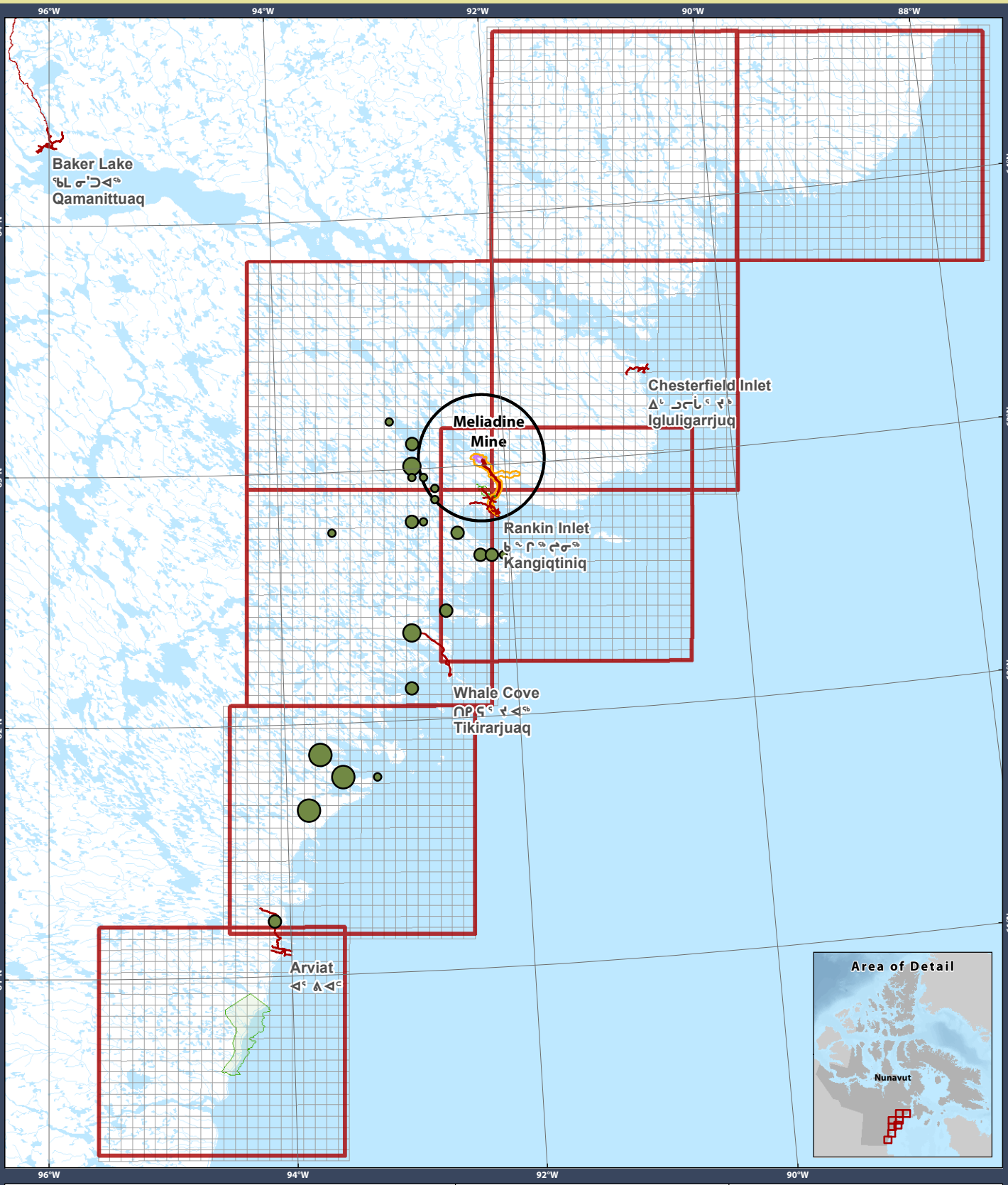



**Figure 6.10:** Number of Caribou Harvested in each Caribou Season and Proximity to the Meliadine All-Weather Access Road in 2023.




**Legend**

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

Total Caribou Harvested

- 1 - 2
- 3 - 5
- 6 - 7
- > 8

0 15 30 45 60

Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.11a**

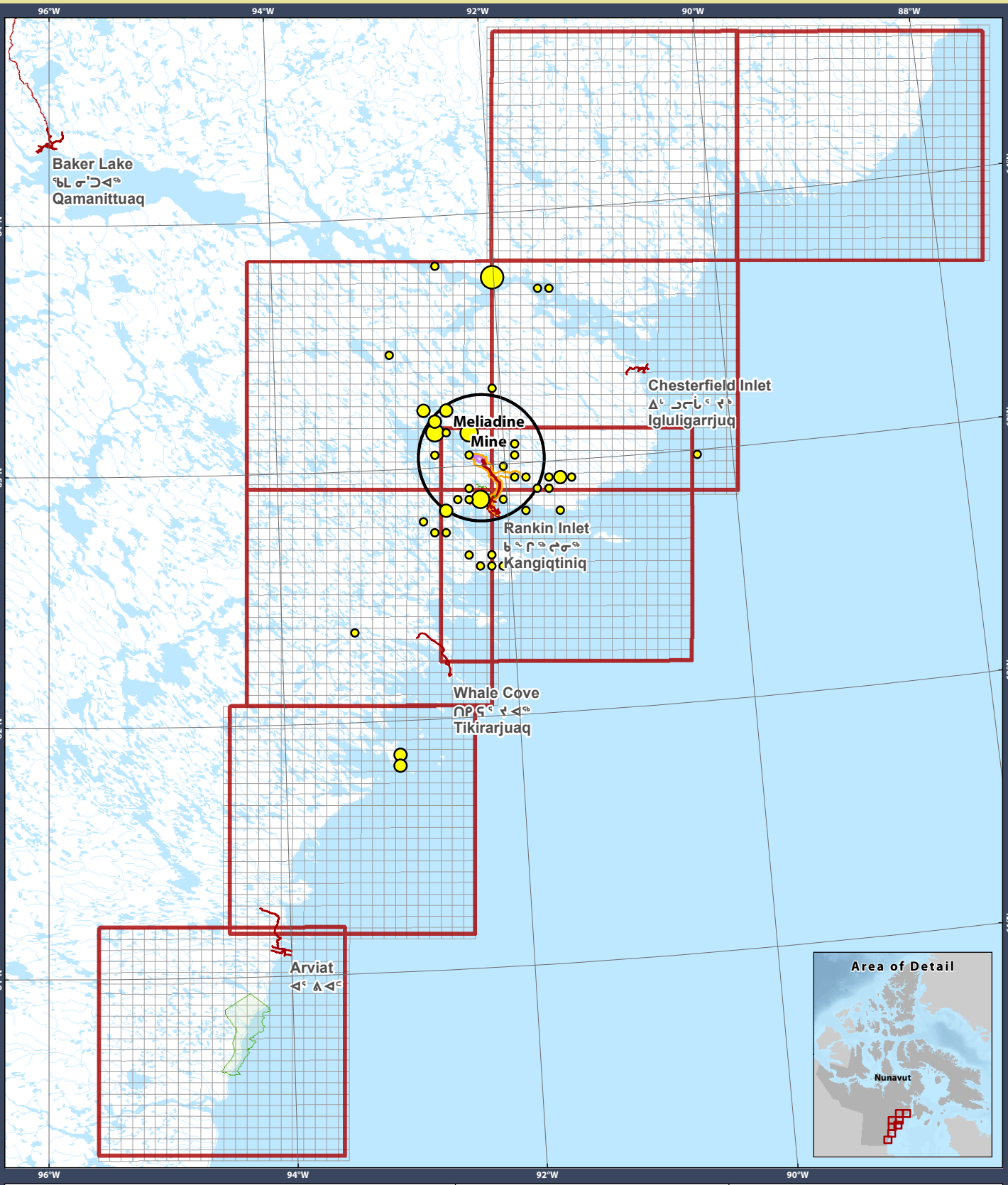
**Total Number of Caribou Harvested in Spring 2023 (Apr 1 to May 25)**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING; Nunavut ENVIRONMENTAL CONSULTING LTD

23/02/2024




**Legend**

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

Total Caribou Harvested

- 1 - 2
- 3 - 4
- 5 - 6
- > 6

0 15 30 45 60

Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.11b**

**Total Number of Caribou Harvested in Summer 2023 (May 26 to Sep 21)**

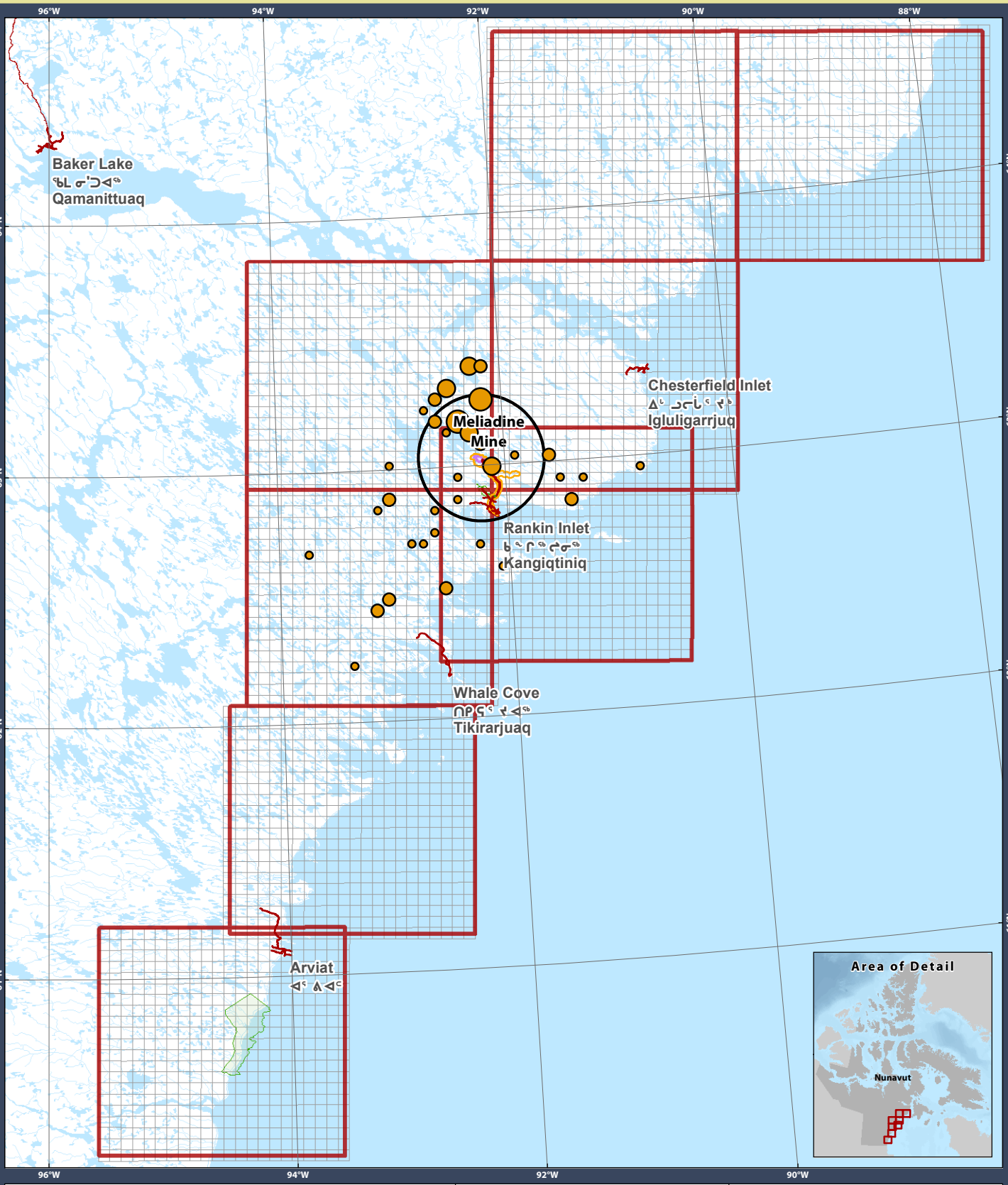
**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING

Nunavut ENVIRONMENTAL CONSULTING LTD

23/02/2024




**Legend**

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

Total Caribou Harvested

- 1 - 2
- 3 - 5
- 6 - 10
- > 10

0 15 30 45 60
Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.11c**

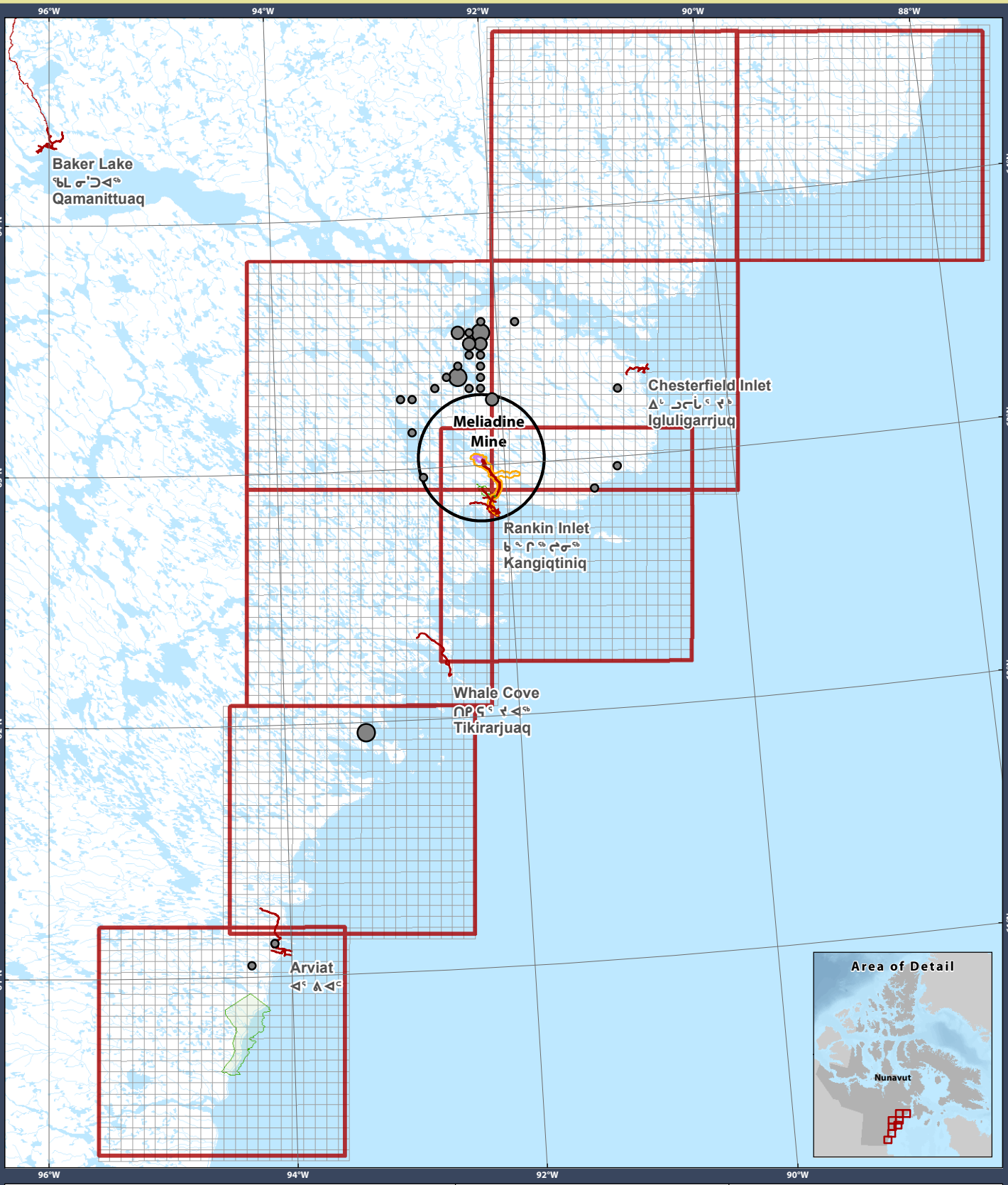
**Total Number of Caribou Harvested in Fall 2023 (Sep 22 to Dec 15)**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING; Nunavut ENVIRONMENTAL CONSULTING LTD

23/02/2024




## Legend

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

Total Caribou Harvested

- 1 - 5
- 6 - 10
- 11 - 25
- > 25

0 15 30 45 60

Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.11d**

**Total Number of Caribou Harvested Winter 2023 (Dec 16 - Mar 31)**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING

Nunavut ENVIRONMENTAL CONSULTING LTD

23/02/2024

### 6.1.5 Caribou Health

Study participants reported many incidences of sick Caribou in 2023. Most incidences were reported by harvesters in Rankin Inlet from animals in the eastern Kivalliq. Brucellosis, roundworms, eye diseases, and symptoms such as 'sand-papery' lining to organs, cysts, and nodules in the meat were commonly reported. Harvesters reported leaving the sick animals on the land for scavengers. One group of harvesters, which was reported by several of the hunters involved and adjacent friends and family, harvested 15 Caribou, of which 14 were significantly ill. Wildlife Officers and other individuals who were informed about meat testing results, indicated high prevalence of the diseases listed above. Some participants commented that a low abundance of wolves in the Rankin Inlet area was preventing the natural removal of sick, old, and weakened Caribou from the population and thus contributing to disease transmission.

## 6.2 OTHER TERRESTRIAL MAMMAL SPECIES

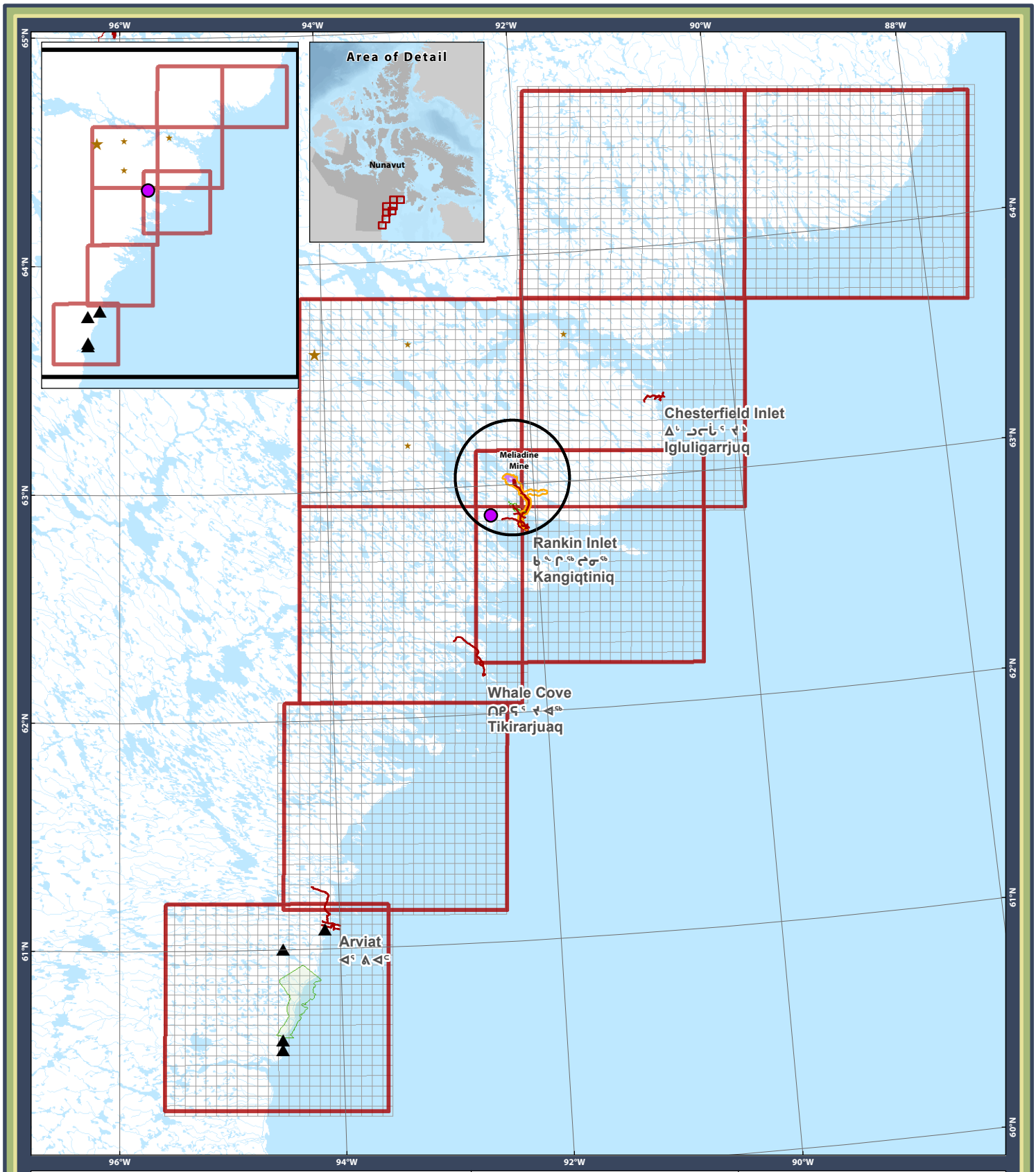
### 6.2.1 Muskox

A total of 14 Muskox harvests were reported on the Rankin Inlet HHS in 2023, which is higher than was reported in 2022 (i.e., 10 animals) and the same as in 2021 (i.e., 14). Muskox were harvested more northwest of the community of Rankin Inlet with some outside the HHS survey area (see Figure 6.14).

### 6.2.2 Wolverine, Wolf, Grizzly Bear, and Polar Bear

Three (3) Wolverine were reported as being harvested in 2023 compared to eight (8) in 2022 and two (2) in 2021. All Wolverine harvests within the study area were far away from the Hamlet of Rankin Inlet (see Figure 6.13). Arctic Wolf (only four reported as harvested in 2023 compared to 14 in 2022 and 18 in 2021) were all harvested outside the Meliadine Mine RSA. In general, low densities of Wolverine and Arctic Wolf, and their general aversion to humans, requires hunters to hunt well away from the AWAR. Participants reported a low abundance of wolves in the Rankin Inlet in 2023 and suggested that the high incidence of diseases in Caribou may have been because wolves were not culling the sick, old, and weakened. As was the case in 2021 and 2022, there were no reported harvests of Grizzly Bear by HHS participants in 2023.

For the first year, Polar Bear harvests were reported (i.e., 4 individuals), all of which were in or south of the Arviat area (Figure 6.12). Participants described proposed changes to Polar Bear quotas, which would permit more of the total allowable take to be allocated for commercial (sport) hunting. This proposed change is quite controversial, with many community members in support and many opposed.




## Legend

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

Total Arctic Hare Harvest
- 1

Total Muskox Harvest
- 1 - 2
- 3

Total Polar Bear Harvest
- 4

0 15 30 45 60
Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.12**

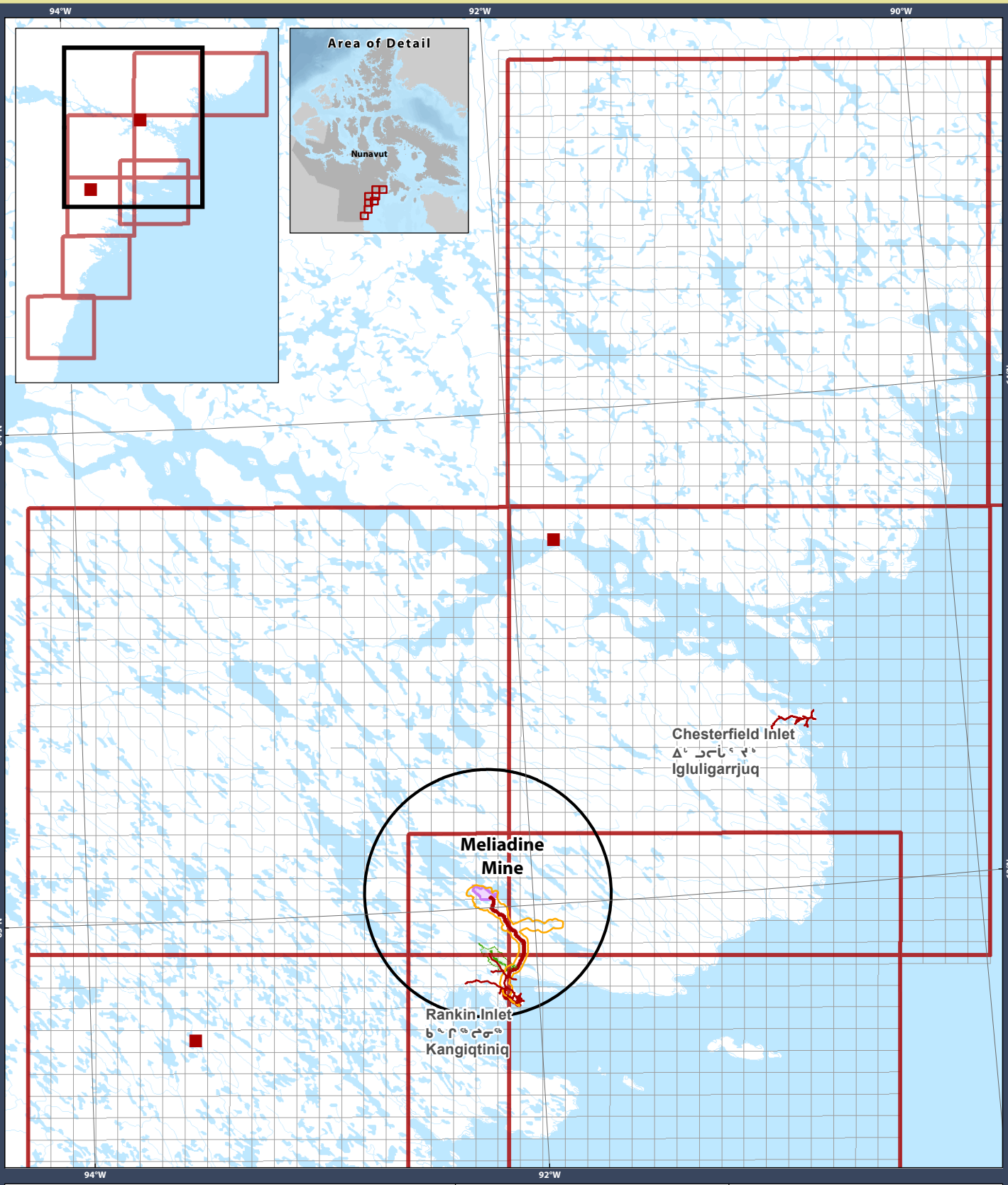
**Total Number of Arctic Hare, Muskox, and Polar Bear Harvested in 2023**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING, Nunavut Environmental Consulting Ltd

23/02/2024




**Legend**

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas
- Total Wolverine Harvest

0 10 20 30 40
Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.13**

**Total Number of Wolverine Harvested in 2023**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING; Nunavut Environmental Consulting Ltd

23/02/2024

### 6.2.3 Arctic Fox and Arctic Hare

As was the case in 2022, Arctic Fox was not reported as being harvested in 2023. Only one (1) Arctic Fox was reported as harvested in 2021. Unlike in 2021 and 2022, when seven (7) Arctic Hares were harvested near the Hamlet of Rankin Inlet, only one (1) was reported as being harvested in 2023 (Figure 6.12). One hunter in 2021 indicated that the hare fur was used primarily for women's mittens.

## 6.3 BIRD SPECIES

In 2023, 202 birds were reported as being harvested compared to 136 individuals in 2022 and 394 in 2021. Canada Goose (*Branta canadensis*) and Snow Goose (*Anser caerulescens*) made up 45% (90 individuals) of total birds harvested in 2023 compared to 65% in 2022 and 66% in 2021. Bird species reported as being harvested by Rankin Inlet HHS participants in 2023 included Canada Goose (78 individuals), Common Eider (65), gull sp. (1), goose sp. (8), Northern Pintail (*Anas acuta*; 6), ptarmigan (*Lagopus* sp.; 33), Sandhill Crane (*Grus canadensis*; 6), Snow Goose (12), and Tundra Swan (*Cygnus columbianus*; 1). Most birds were harvested in marine shoreline areas and lakes around the Hamlet of Rankin Inlet, particularly northeast of town (Figure 6.14), during the spring (i.e., May to June) migration (Figure 6.15).

## 6.4 MARINE MAMMAL SPECIES

### 6.4.1 Seals

As was the case in 2022, Ringed Seal (*Pusa hispida*) and Bearded Seal (*Erignathus barbatus*) were the only seal species reported as harvested by HHS participants in 2023. Ringed Seal was the most harvested seal species (i.e., 29 individuals vs 5 Bearded Seal). Reported seal harvests generally occurred near shoreline areas east and southeast of the Hamlet of Rankin Inlet (Figure 6.16). Bearded Seal was considered by one hunter in 2021 to be particularly delicious if prepared properly.

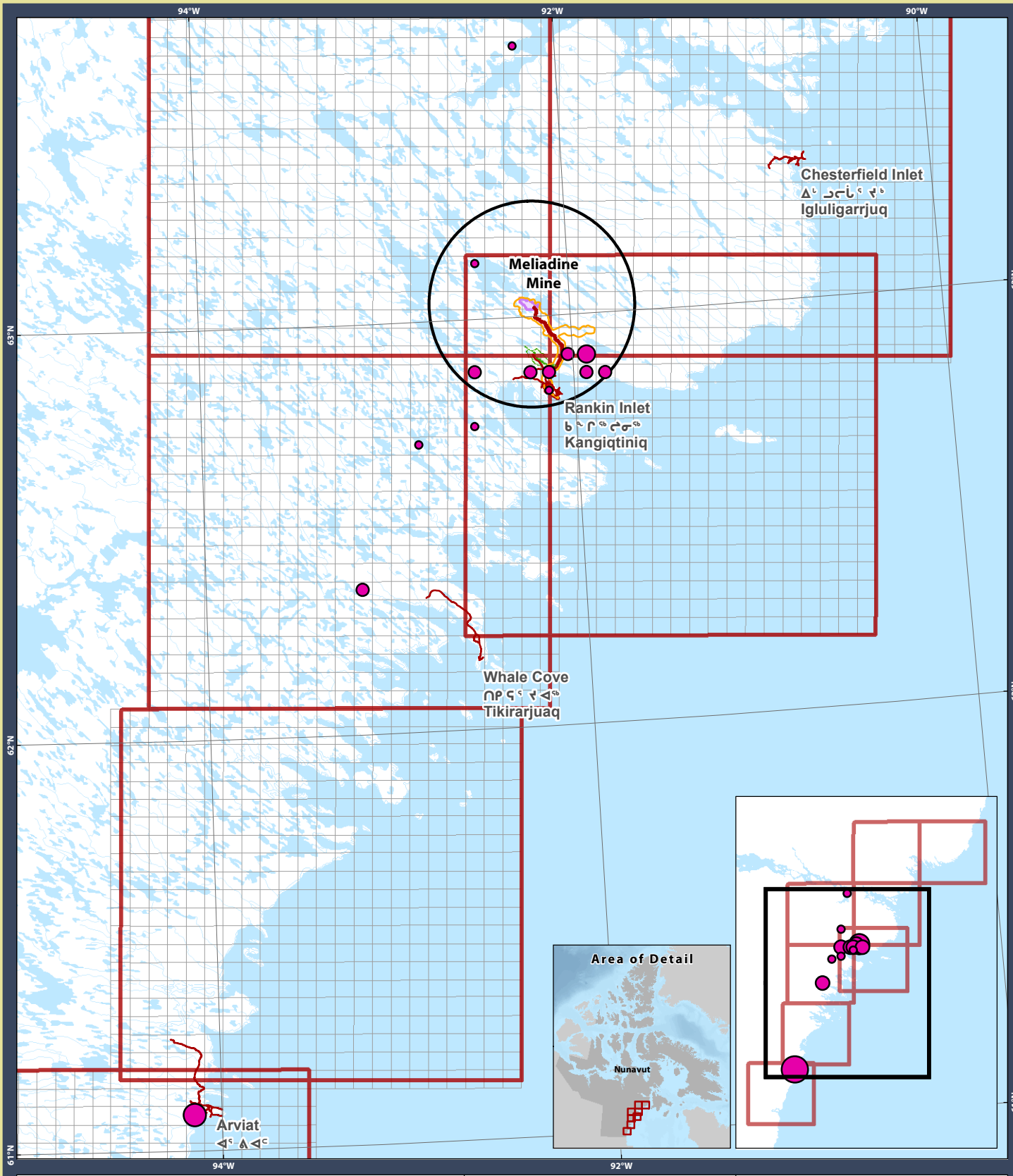
The floe edge was described by participants as being "much closer than usual" in 2023, which meant easier access to floe-edge hunting of seals. Participants also noted that travel on sea ice has become "increasingly dangerous" due to instabilities and reduced ice thickness.

### 6.4.2 Beluga, Walrus, and Narwhal

Other marine mammal species harvested in 2023 included Beluga (45 individuals) and Narwhal (*Monodon monoceros*; 2). Two (2) Walrus (*Odobenus rosmarus*) were reported as being harvested in 2023 compared to none (0) in 2022 and three (3) in 2021. Belugas were harvested in offshore areas in outer Rankin Inlet around Marble Island, in Corbett Inlet, and off Baker Foreland (Figure 6.16).

### 6.4.3 Mussels

One participant reported harvesting 816 mussels in 2022 but none were reported in 2023.




**Legend**

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

Total Bird Harvest

- 1 - 5
- 6 - 20
- 21 - 40
- > 40

0 10 20 30 40
Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.14**

**Total Number of Birds Harvested in 2023**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING; Nunavut ENVIRONMENTAL CONSULTING LTD

23/02/2024

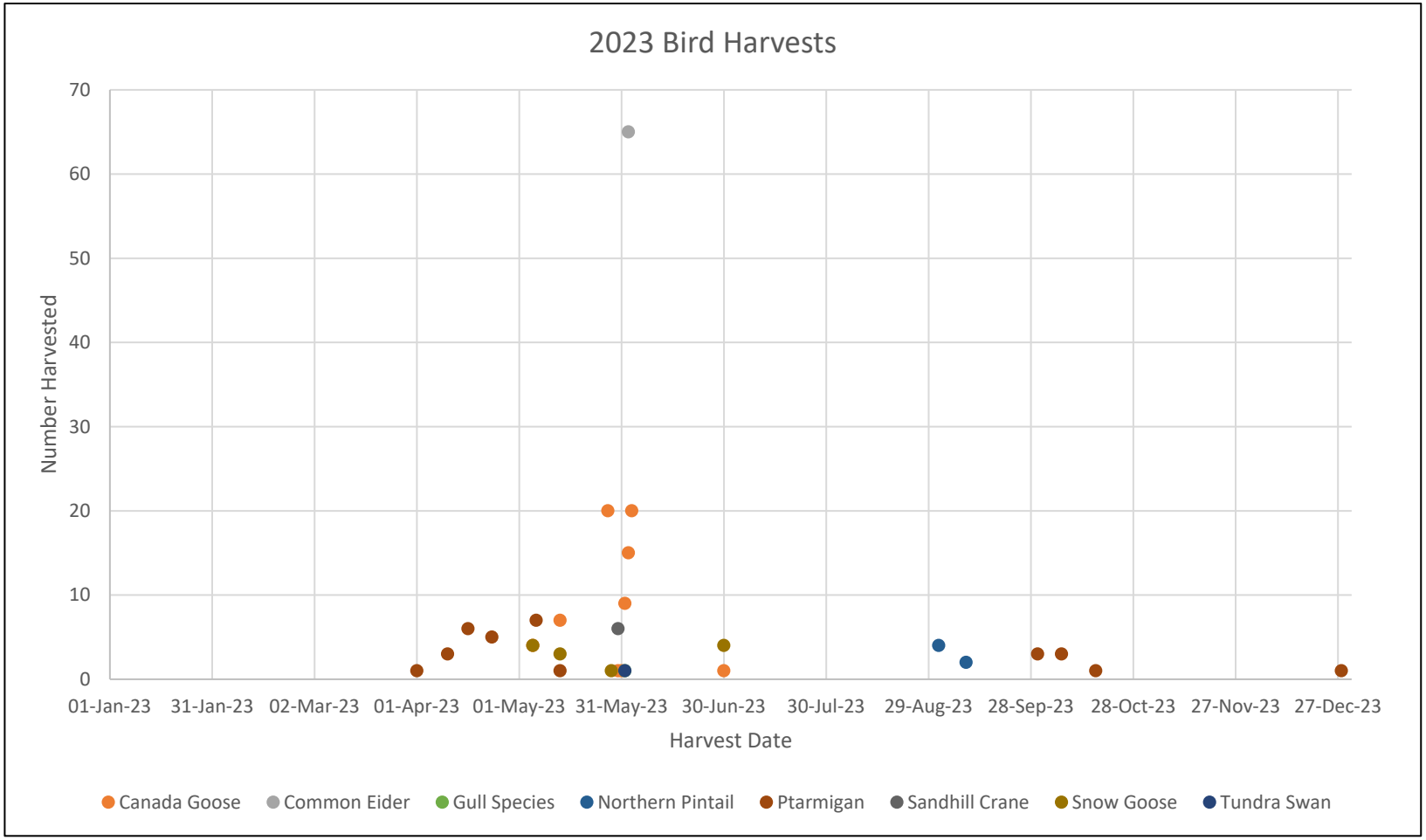
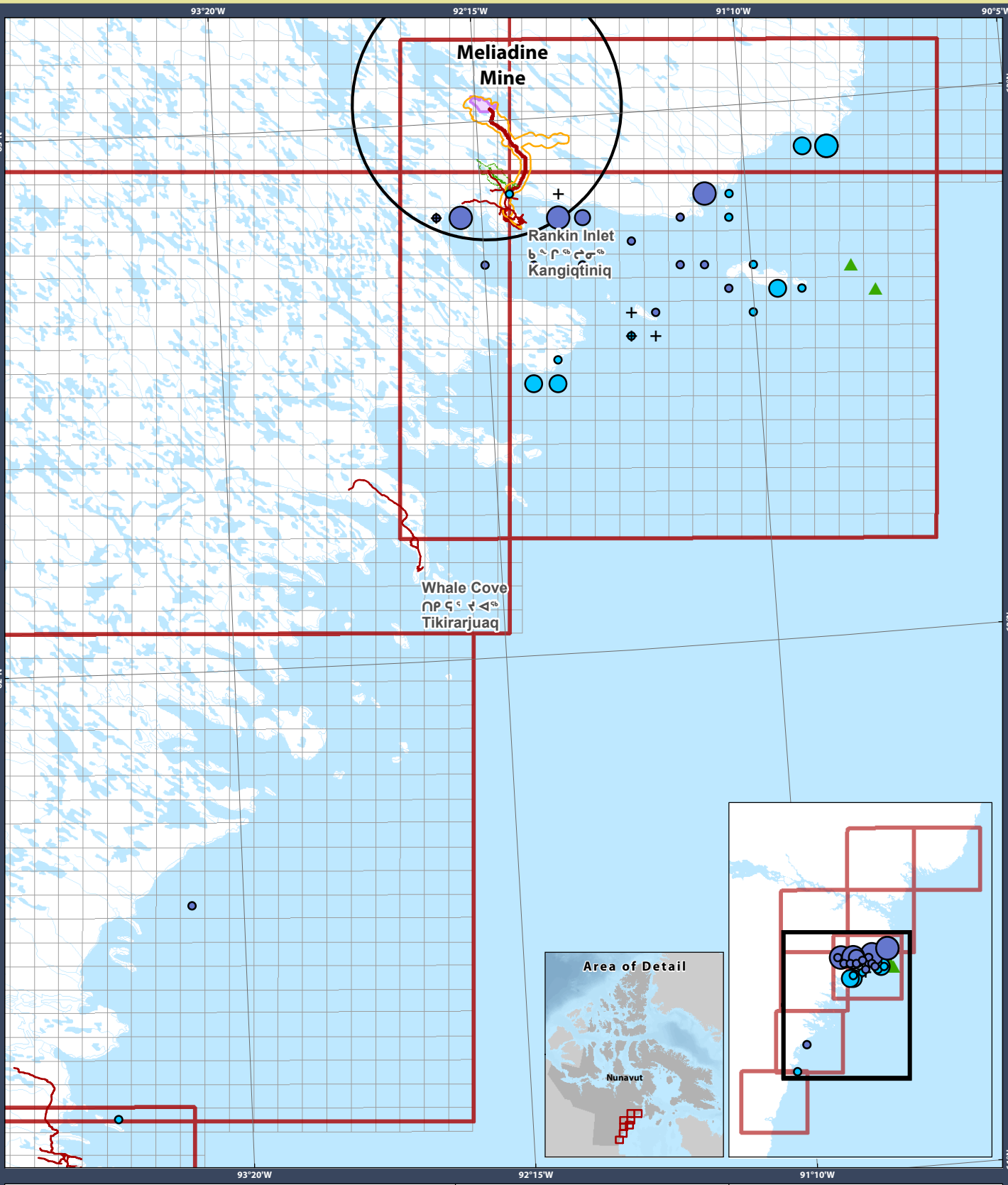



**Figure 6.15:** Seasonal Distribution and Number of Birds Harvested in 2023.




**Legend**

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

Total Beluga Harvest
- 1 - 2
- 3 - 5
- > 5

Total Ringed Seal Harvest
- 1 - 2
- 3 - 5
- > 5

Total Walrus Harvest Harvest
- 2

Total Bearded Seal Harvest
- 5

0 10 20 30 40
Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 6.16**

**Total Number of Beluga, Walrus, and Bearded and Ringed Seals Harvested in 2023**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING; Nunavut Environmental Consulting Ltd

23/02/2024

# SECTION 7 • CREEL SURVEY RESULTS

## 7.1 NUMBER OF FISHERMEN

The number of fishermen reporting successful fishing trips in 2023 was 33, which is higher than in 2022 (27) and 2021 (24). The highest numbers of fisherman reporting success in 2023 were in the May through August period (see Table 7.1) (see Section 7.4 Magnitude of Fishing).

**Table 7.1**: Number of Fisherman in Rankin Inlet who Recorded Fishing Success by Year and Month.

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021 | 0 | 0 | 0 | 4 | 19 | 10 | 6 | 4 | 3 | 2 | 3 | 1 |
| 2022 | 1 | 1 | 1 | 0 | 12 | 11 | 9 | 10 | 3 | 3 | 0 | 0 |
| 2023 | 0 | 0 | 0 | 4 | 7 | 14 | 11 | 14 | 6 | 1 | 5 | 3 |
| **Total** | **1** | **1** | **1** | **8** | **38** | **35** | **26** | **28** | **12** | **6** | **8** | **4** |

## 7.2 COMPOSITION OF CATCH

The most common fish species captured, Arctic Char, represented 93% of the total catch in 2023 (Table 7.2; compared to 77% in 2022 and 72% in 2021). Lake Trout (4.5%) were also captured at reasonably high numbers. The other two species that were the focus of the HHS, Arctic Grayling and Lake Whitefish, were caught at very low numbers.

**Table 7.2**: Total Number of Fish Caught from 2021 to 2023.

| Species | 2021 | 2022 | 2023 | Total |
|---|---|---|---|---|
| Arctic Char | 628 | 878 | 2525 | 4,031 |
| Arctic Cod | 12 | 115 | 54 | 181 |
| Arctic Grayling | 7 | 26 | 3 | 36 |
| Burbot | 2 | | 1 | 3 |
| Lake Trout | 216 | 124 | 122 | 462 |
| Lake Whitefish | 3 | 2 | 6 | 11 |
| **Totals** | **868** | **1,145** | **2,711** | **4,724** |

## 7.3 DISTRIBUTION OF FISHING

Fishing trips, regardless of success rate, generally occurred close to the Hamlet of Rankin Inlet, in lakes and rivers west of the community up to Peter Lake, and in coastal areas east to Baker Foreland (Figure 7.1). Fishing by Rankin Inlet participants occurred to a lesser extent in the Chesterfield Inlet and Whale Cover areas (Figure 7.1). Some study participants reported fish harvests close to the Meliadine Mine AWAR (Figure 7.1).

Char harvesting at the Diana River mouth was described by participants as being abundant. New trails, improved truck roads, and many new cabins near the river have greatly increasing the number of people fishing at this spot. Not only has the crowd been described as a nuisance but many HHS participants have described a concern about over-harvesting of char.

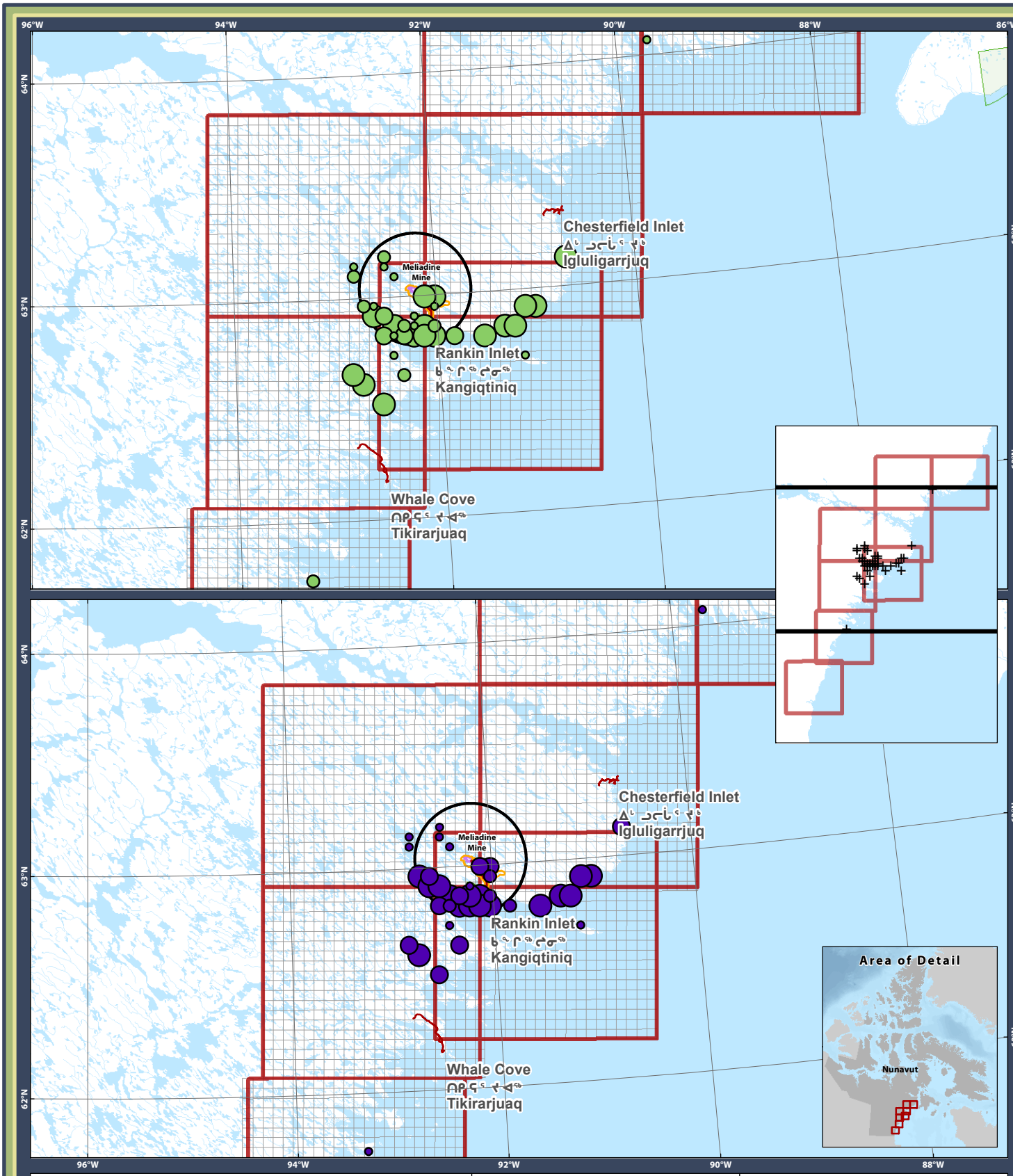
## 7.4 MAGNITUDE OF FISHING

The total number of fish harvested per fisherman in each month was highest in July and August with moderate numbers in June and December (Figure 7.2). The higher numbers in August differed from what was observed in 2021 and 2022 (Figure 7.2). In 2023, the most captured fish species, in order of abundance, were Arctic Char, Lake Trout, Arctic Cod, and Lake Whitefish (see Table 7.2).

The increased access at the Diana River mouth has been described as a positive, providing food for more families and connecting more people with traditional harvesting techniques. This is especially true of the fish weir, which is present near the river mouth and enables efficient harvest of many fish. Seen as both a positive for providing healthy, local, country food to many people in the community, and a negative as a potential cause of overfishing char stocks.

## 7.5 SEASONAL TIMING OF FISHING

In 2023, fishing periods with the most active fisherman was from June through August (see Table 7.1) while the greatest number of fish caught was July and August (Figure 7.2).




**Legend**

- Roads
- HHS Extents
- Local Study Area
- Regional Study Area
- Production Lease
- Parks & Protected Areas

| Total Fish Harvest | Averge Number Fished per Trip |
|---|---|
| 1 - 5 | 1 - 3 |
| 6 - 10 | 4 - 5 |
| 11 - 20 | 6 - 10 |
| > 20 | > 10 |

0 15 30 45 60
Kilometres

**Projection:**
Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

**Figure 7.1**

**Total Number of Fish Harvested in 2023**

**Rankin Inlet Hunter Harvest Study**

Prepared for: AGNICO-EAGLE

By: CASLYS CONSULTING; Nunavut ENVIRONMENTAL CONSULTING LTD

23/02/2024

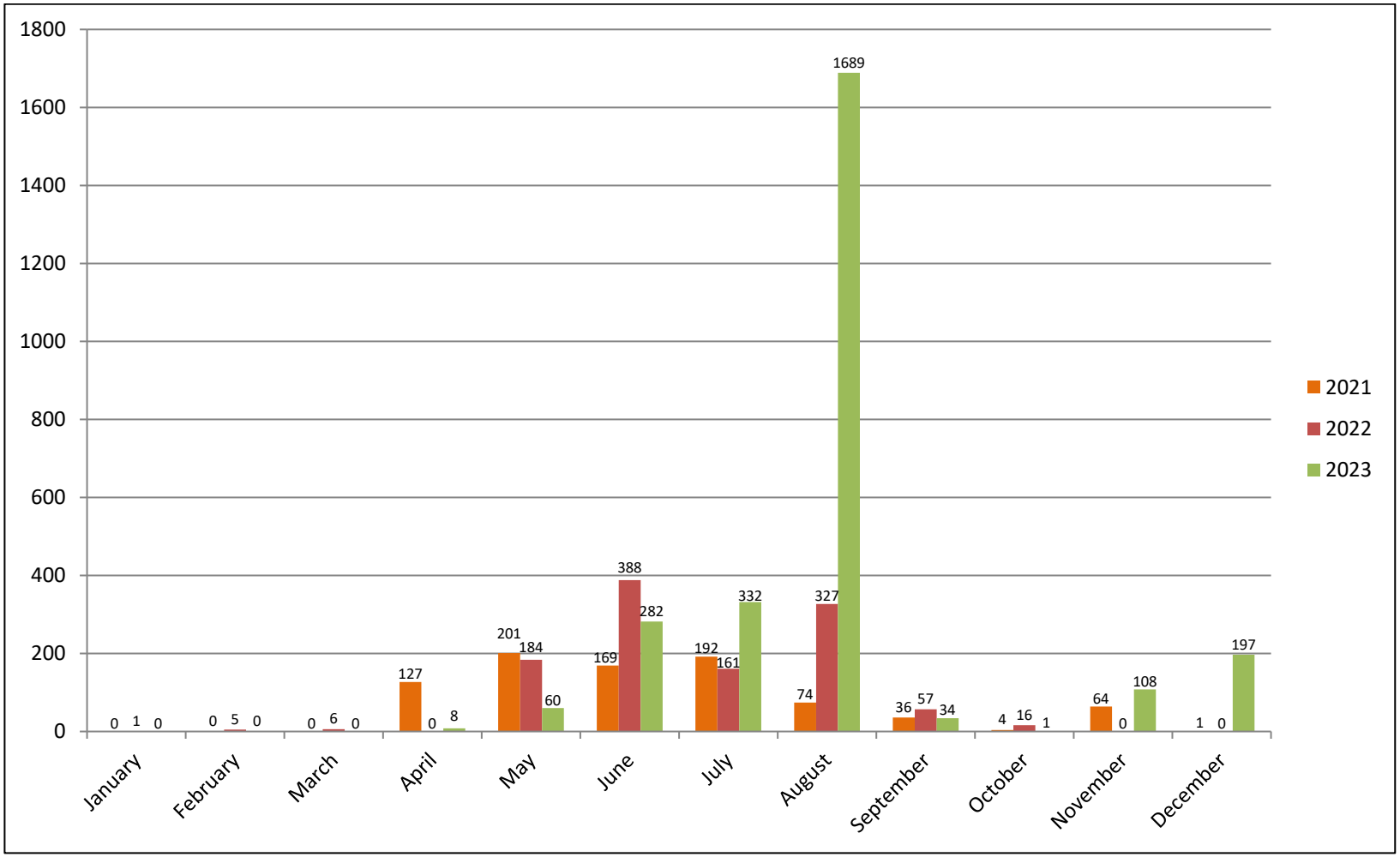



**Figure 7.2**: Total Number of Fish Caught by Month from 2021 to 2023.

## SECTION 8 • ACCURACY OF IMPACT PREDICTIONS

The TEMMP indicates that project effects determinations and threshold levels for Caribou harvest will be set after three full years of data from the Rankin Inlet HHS and following discussions with the Government of Nunavut. A Caribou harvest threshold will be discussed within the TAG prior to including this information in the TEMMP. A detailed analysis of current and historical data for this report determined that the average number of Caribou harvested per participant has increased within the HHS boundaries, although this result is less evident within the RSA. The increase in average harvest per participant does not necessarily indicate an increase in overall harvest rates. The demand for country meat and the increase in guide outfitters in the last few years are also factors that need to be considered when analyzing Caribou harvest rates.

A more detailed description of data and data analysis limitations are included below:

1) Methodologies and participation rates are different between the two studies, making comparisons of some results difficult as the differences may be due to these factors and not hunting activities;
    - Only data from the Rankin Inlet hunters, and not other community hunters, is being analysed. Because harvesting of Caribou within the RSA from other community hunters is not included, this could affect the total number of Caribou harvested and potentially change the differences in the average number of Caribou/participant statistics.
    - Spatially, the two studies have different specifications on how the location of harvests was reported. The Rankin Inlet HHS is represented by a 5x5 km area, whereas the NWMB is represented by specific locations (points). Although the NWMB data may have been collected using a grid pattern, it is different than the Rankin Inlet HHS specifications, meaning that the results have a minimum accuracy of +/- 5 km.
2) The analysis does not consider seasonality of Caribou occurrence or differences in movement patterns between the two time periods; therefore, changes in harvest rates could be due to availability of Caribou within the study area; and
3) Several other factors that could affect hunting practices and distribution have not been considered in this analysis. Examples include:
    - Climate change – changing landscapes, ice and snow conditions, and weather could be affecting when and where the hunters are able to hunt at certain times of year, and the movement patterns of Caribou.
    - Hunting motivations – patterns in hunting for profit or providing for family and community may be different between the two time periods.

## SECTION 9 • MANAGEMENT RECOMMENDATIONS

The Rankin Inlet HHS and Creel Survey should be continued on an annual basis to monitor the hunting and fishing patterns of Rankin Inlet residents, and the potential effects of the mine and AWAR. Meetings with participants in 2024 will be particularly important in maintaining contact, building relationships, expanding the study, and collecting good harvest data.

Furthermore, ongoing collaboration with the KHTO will ensure that the HHS program runs smoothly, incorporates local IQ, TK, and community concerns, and increases participant rates.

Participation rates can be maintained and enhanced 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 2023, recruitment efforts resulted in new participants joining the study. Recruitment efforts should be ongoing to bring on other participants in 2024.

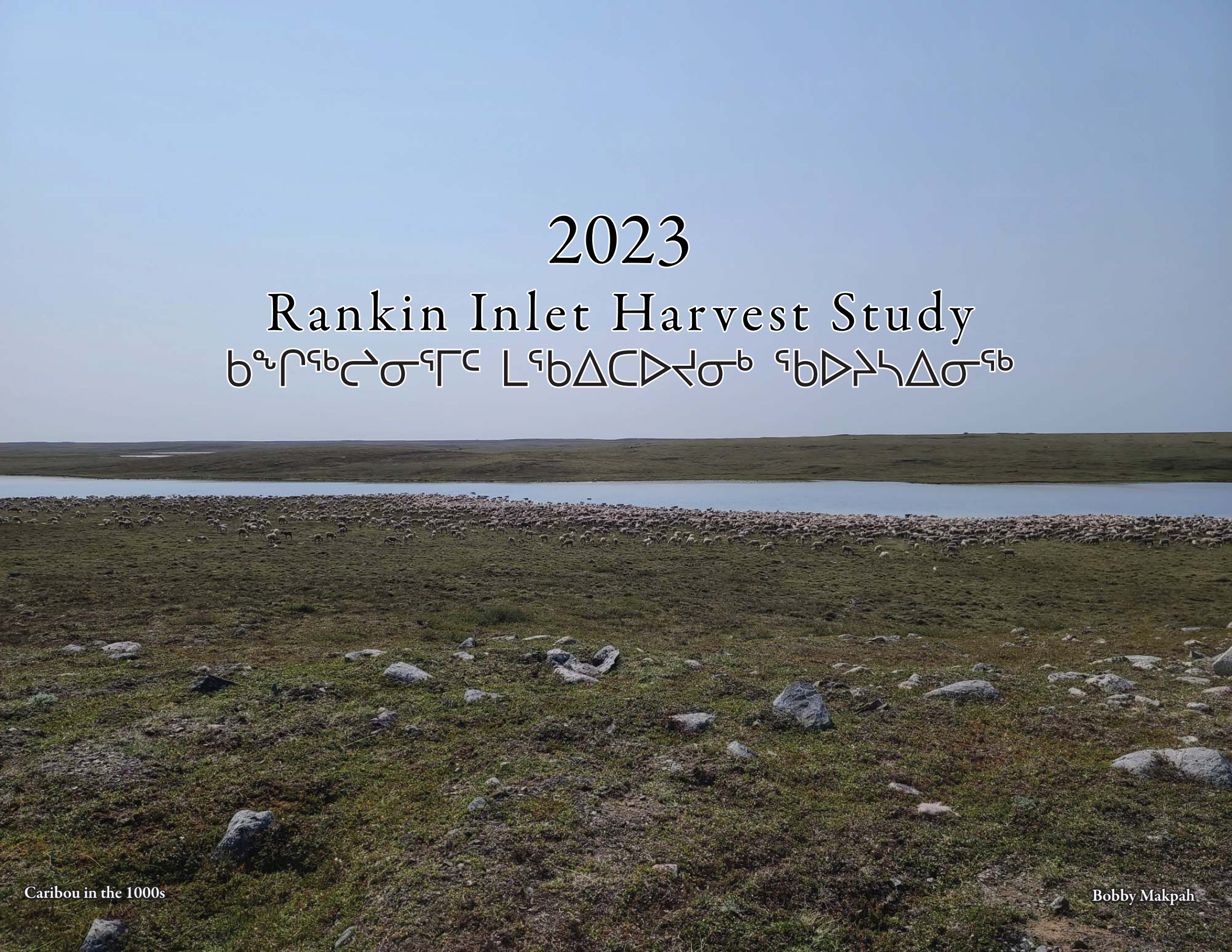
# APPENDIX A

2023 Rankin Inlet Hunter Harvest Study Calendar

# 2023

# Rankin Inlet Harvest Study

# ᑲᖏᖅᑕᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ



Caribou in the 1000s

Bobby Makpah

Seal Hunting Success

Darren Aupilardjuk

# January | ᑕᕝᕕᓇᕐᔪᐊᖅ 2023

Rankin Inlet Harvest Study
ᑲᖏᖅᑕᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

| Sunday<br>ᓴᓇᑕᐃᓕ | Monday<br>ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday<br>ᑐᒃᓯᐊᕐᓇᖅ ᓯᕗᓕᖅ | Wednesday<br>ᐱᖓᔪᐊᑦ | Thursday<br>ᓯᑕᒪᑦ | Friday<br>ᑕᓕᒪᑦ | Saturday<br>ᓂᖃᐃᑐᕐᓇᖅ |
|---|---|---|---|---|---|---|
| 1<br>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 | | | | |

December 2022

| 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 2023

| 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 | | | | |

Caribou Stew for Dinner

Harry Nlakrok

# February | ᐊᕗᓐᓂᕕᒃ 2023

Rankin Inlet Harvest Study
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| Sunday<br>ᓴᓇᑕᐃᓕ | Monday<br>ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday<br>ᑐᒃᓯᐊᖅᓇᖅ ᓯᕗᓕᖅ | Wednesday<br>ᐱᖓᔪᐊᑦ | Thursday<br>ᓯᑕᒪᑦ | Friday<br>ᑕᓕᒪᑦ | Saturday<br>ᓂᖃᐃᑐᖅᓇᖅ |
|---|---|---|---|---|---|---|
| | | | 1 | 2<br>Groundhog Day | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14<br>Valentine's Day | 15 | 16 | 17 | 18 |
| 19 | 20<br>Family Day | 21 | 22<br>Ash Wednesday | 23 | 24 | 25 |
| 26 | 27 | 28 | | | | |

January 2023

| 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 2023

| 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 | |

Prepping the Harvest

Darren Ikakhik

# March | ᓇᑦᑎᐊᑦ 2023

Rankin Inlet Harvest Study
ᑲᖏᖅᑕᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

| Sunday<br>ᓴᓇᑕᐃᓕ | Monday<br>ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday<br>ᑐᒃᓯᐊᖅᓇᖅ ᓯᕗᓕᖅ | Wednesday<br>ᐱᖓᔪᐊᑦ | Thursday<br>ᓯᑕᒪᑦ | Friday<br>ᑕᓕᒪᑦ | Saturday<br>ᓂᖃᐃᑐᖅᓇᖅ |
|---|---|---|---|---|---|---|
| February 2023<br>S M T W T F S<br>1 2 3 4<br>5 6 7 8 9 10 11<br>12 13 14 15 16 17 18<br>19 20 21 22 23 24 25<br>26 27 28 | April 2023<br>S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 29<br>30 | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12<br>Daylight Savings Time Starts | 13 | 14 | 15 | 16 | 17<br>St. Patrick's Day | 18 |
| 19 | 20<br>First Day of Spring | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

Field Dressing

Riley Lachance

# April | ᑎᕆᒡᓗᐃᑦ 2023

Rankin Inlet Harvest Study
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| Sunday ᓴᓇᑕᐃᓕ | Monday ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday ᑐᒃᓯᐊᖅᓇᖅ ᓯᕗᓕᖅ | Wednesday ᐱᖓᔪᐊᑦ | Thursday ᓯᑕᒪᑦ | Friday ᑕᓕᒪᑦ | Saturday ᓂᖃᐃᑐᖅᓇᖅ |
|---|---|---|---|---|---|---|
| March 2023<br>S M T W T F S<br>1 2 3 4<br>5 6 7 8 9 10 11<br>12 13 14 15 16 17 18<br>19 20 21 22 23 24 25<br>26 27 28 29 30 31 | May 2023<br>S M T W T F S<br>1 2 3 4 5 6<br>7 8 9 10 11 12 13<br>14 15 16 17 18 19 20<br>21 22 23 24 25 26 27<br>28 29 30 31 | | | | | 1 |
| 2<br>Palm Sunday | 3 | 4 | 5 | 6 | 7<br>Good Friday | 8 |
| 9<br>Easter Sunday | 10<br>Easter Monday | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22<br>Earth Day |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | | | | | | |

Drying Fish

Andre Aokaut

# May | ᓄᕐᖃᐃᑦ 2023

Rankin Inlet Harvest Study
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| Sunday<br>ᓴᓇᑕᐃᓕ | Monday<br>ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday<br>ᑐᒃᓯᐊᕐᓇᖅ ᓯᕗᓕᖅ | Wednesday<br>ᐱᖓᔪᐊᑦ | Thursday<br>ᓯᑕᒪᑦ | Friday<br>ᑕᓕᒪᑦ | Saturday<br>ᓂᖃᐃᑐᕐᓇᖅ |
|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14<br>Mother's Day | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22<br>Victoria Day | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

April 2023

| 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 2023

| 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 | |

Spring Fishing

Amber Irwin

# June | ᒪᓐᓃᑦ 2023

Rankin Inlet Harvest Study
ᑲᖏᖅᑕᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

| Sunday ᓴᓇᑕᐃᓕ | Monday ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday ᑐᒃᓯᐊᖅᓇᖅ ᓯᕗᓕᖅ | Wednesday ᐱᖓᔪᐊᑦ | Thursday ᓯᑕᒪᑦ | Friday ᑕᓕᒪᑦ | Saturday ᓂᖃᐃᑐᖅᓇᖅ |
|---|---|---|---|---|---|---|
| May 2023<br>S M T W T F S<br>1 2 3 4 5 6<br>7 8 9 10 11 12 13<br>14 15 16 17 18 19 20<br>21 22 23 24 25 26 27<br>28 30 31 | July 2023<br>S M T W T F S<br>1<br>2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 29<br>30 31 | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18<br>Father's Day | 19 | 20 | 21<br>National Indigenous Peoples Day | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | |

Not too Close

AJ Curley

# July | ᓴᒡᒐᕈᑦ 2023

Rankin Inlet Harvest Study
ᑲᖏᖅᓱᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

| Sunday ᓴᓇᑕᐃᓕ | Monday ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday ᑐᒃᓯᐊᖅᓇᖅ ᓯᕗᓕᖅ | Wednesday ᐱᖓᔪᐊᑦ | Thursday ᓯᑕᒪᑦ | Friday ᑕᓕᒪᑦ | Saturday ᓂᖃᐃᑐᖅᓇᖅ |
|---|---|---|---|---|---|---|
| June 2023<br>S M T W T F S<br>1 2 3<br>4 5 6 7 8 9 10<br>11 12 13 14 15 16 17<br>18 19 20 21 22 23 24<br>25 26 27 28 29 30 | August 2023<br>S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30 31 | | | | | 1<br>Canada Day |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10<br>Nunavut Day | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | | | | | |

Sunset on the Tundra

Andre Aokaut

# August | ᐊᑯᓪᓕᕈᕐᕕᒃ 2023

Rankin Inlet Harvest Study
ᑲᖏᖅᓱᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

| Sunday<br>ᓴᓇᑕᐃᓕ | Monday<br>ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday<br>ᑐᒃᓯᐊᕐᓇᖅ ᓯᕗᓕᖅ | Wednesday<br>ᐱᖓᔪᐊᑦ | Thursday<br>ᓯᑕᒪᑦ | Friday<br>ᑕᓕᒪᑦ | Saturday<br>ᓂᖃᐃᑐᕐᓇᖅ |
|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7<br>Civic Holiday | 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 2023

| 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 2023

| 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 |

Waiting

Neil Ammaklak

# September | ᐊᒥᕐᐃᔭᕐᕕᒃ 2023

Rankin Inlet Harvest Study
ᑲᖏᖅᓱᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

| Sunday<br>ᓴᓇᑕᐃᓕ | Monday<br>ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday<br>ᑐᒃᓱᐊᕐᓇᖅ ᓱᕗᓕᖅ | Wednesday<br>ᐱᖓᔪᐊᑦ | Thursday<br>ᓯᑕᒪᑦ | Friday<br>ᑕᓕᒪᑦ | Saturday<br>ᓂᖃᐃᑐᕐᓇᖅ |
|---|---|---|---|---|---|---|
| August 2023<br>S M T W T F S<br>1 2 3 4 5<br>6 7 8 9 10 11 12<br>13 14 15 16 17 18 19<br>20 21 22 23 24 25 26<br>27 28 29 30 31 | October 2023<br>S M T W T F S<br>1 2 3 4 5 6 7<br>8 9 10 11 12 13 14<br>15 16 17 18 19 20 21<br>22 23 24 25 26 27 28<br>29 30 31 | | | | 1 | 2 |
| 3 | 4<br>Labour Day | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23<br>First day of Autumn |
| 24 | 25 | 26 | 27 | 28 | 29 | 30<br>National Day for Truth and Reconciliatio |

The Work Begins

Tommy Makkigak

# October | ᐅᑭᐅᓛᑦ 2023

Rankin Inlet Harvest Study
ᑲᖏᖅᑕᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

| Sunday<br>ᓴᓇᑕᐃᓕ | Monday<br>ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday<br>ᑐᒃᓱᐊᕐᓇᖅ ᓱᕋᓕᖅ | Wednesday<br>ᐱᖓᔪᐊᑦ | Thursday<br>ᓱᑕᒪᑦ | Friday<br>ᑕᓕᒪᑦ | Saturday<br>ᓂᖃᐃᑐᕐᓇᖅ |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9<br>Thanksgiving Day | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31<br>Halloween | | | | |

September 2023

| 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 |

November 2023

| 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 | | |

Plenty of Snow Geese

Darren Ikakhik

# November | ᑲᑕᒫᓇᕝᕕᒃ 2023

Rankin Inlet Harvest Study
ᑲᖏᖅᑕᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

| Sunday<br>ᓴᓇᑕᐃᓕ | Monday<br>ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday<br>ᑐᒃᓯᐊᖅᓇᖅ ᓯᕗᓕᖅ | Wednesday<br>ᐱᖓᔪᐊᑦ | Thursday<br>ᓯᑕᒪᑦ | Friday<br>ᑕᓕᒪᑦ | Saturday<br>ᓂᖃᐃᑐᖅᓇᖅ |
|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 |
| 5<br>Daylight Savings Time Ends | 6 | 7 | 8 | 9 | 10 | 11<br>Remembrance Day |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | | |

October 2023

| 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 2023

| 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 | | | | | | |

Waiting to Run

Neil Ammaklak

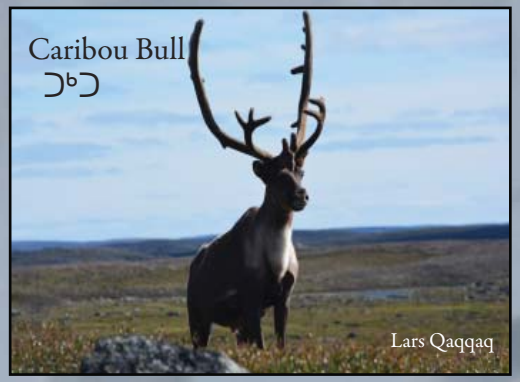
# December | ᐊᒡᔪᓕᕐᕕᒃ 2023

Rankin Inlet Harvest Study
ᑲᖏᖅᓱᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

| Sunday ᓴᓇᑕᐃᓕ | Monday ᓴᓇᑕᐃᓕᐅᒐᓂᓴᖅ | Tuesday ᑐᒃᓱᐊᕐᓇᖅ ᓱᕋᓕᖅ | Wednesday ᐱᖓᔪᐊᑦ | Thursday ᓱᑕᒪᑦ | Friday ᑕᓕᒪᑦ | Saturday ᓂᖅᐃᑐᕐᓇᖅ |
|---|---|---|---|---|---|---|
| November 2023<br>S M T W T F S<br>1 2 3 4<br>5 6 7 8 9 10 11<br>12 13 14 15 16 17 18<br>19 20 21 22 23 24 25<br>26 27 28 29 30 | January 2024<br>S M T W T F S<br>1 2 3 4 5 6<br>7 8 9 10 11 12 13<br>14 15 16 17 18 19 20<br>21 22 23 24 25 26 27<br>28 29 30 31 | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21<br>First day of Winter | 22 | 23 |
| 24 | 25<br>Christmas Day | 26<br>Boxing Day | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

Please return the calendar to the Agnico-Eagle office for entry into the participant draw.

# Wildlife and Fish Species of Interest

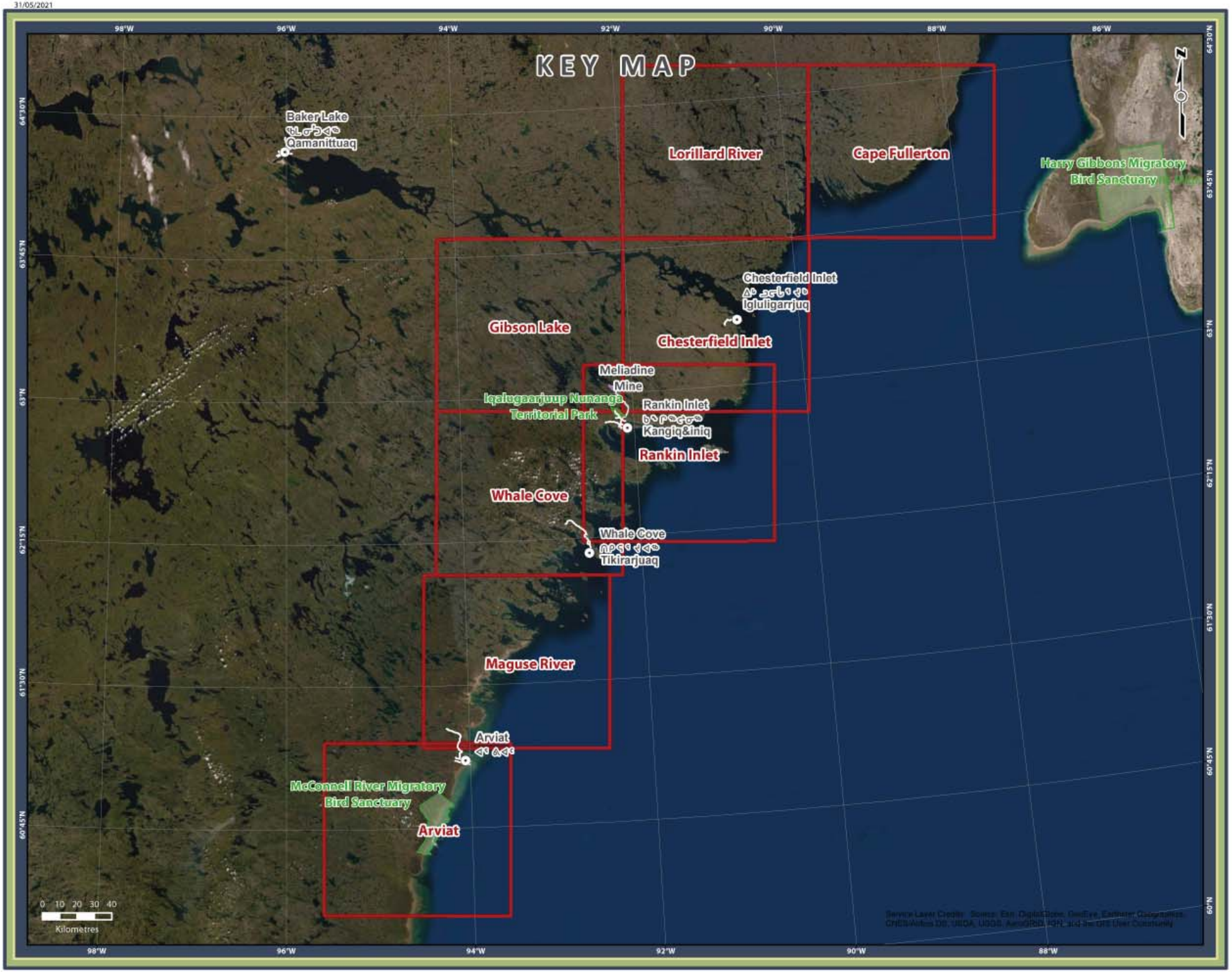


Martin Gebauer

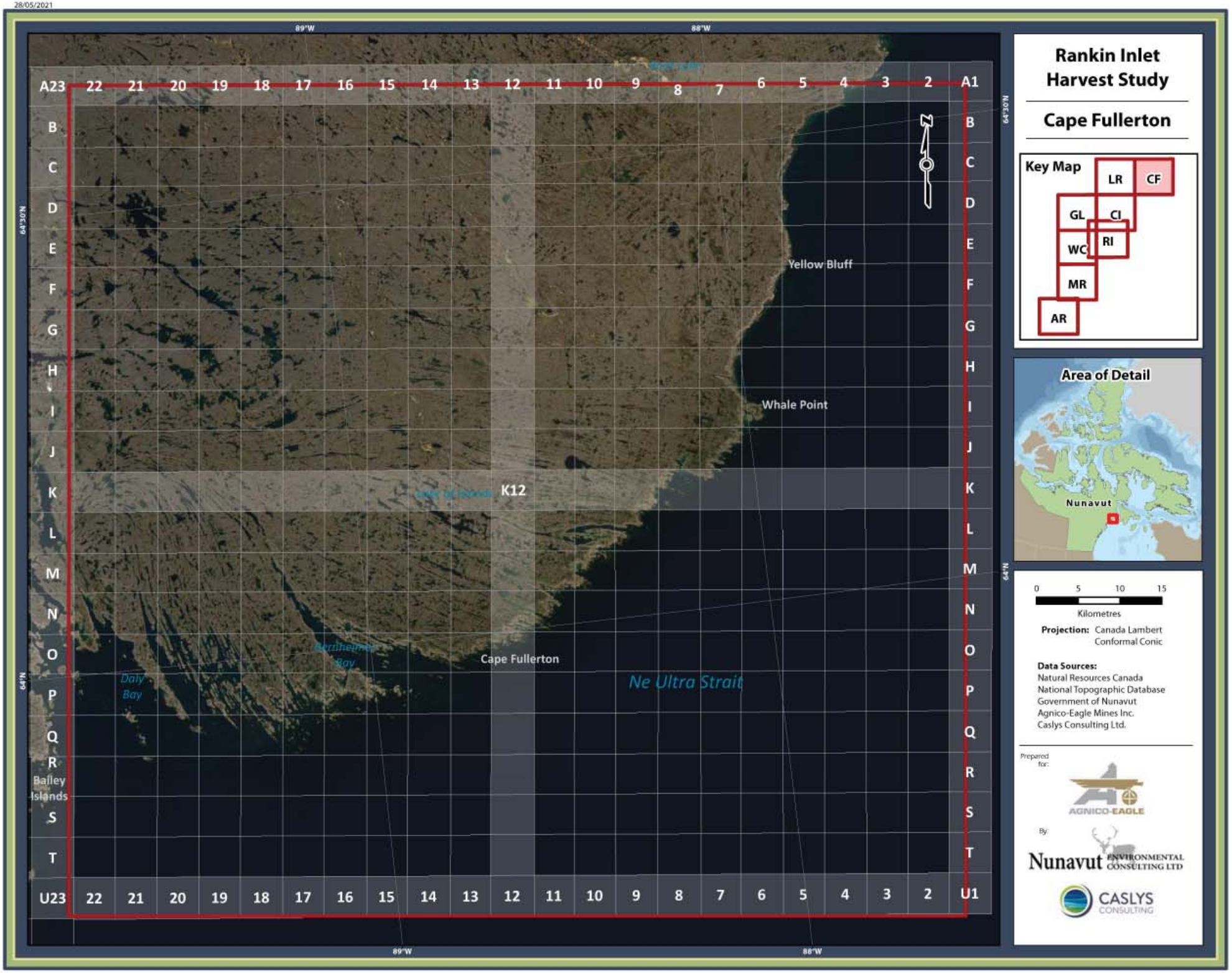
# Wildlife and Fish Species of Interest

Martin Gebauer

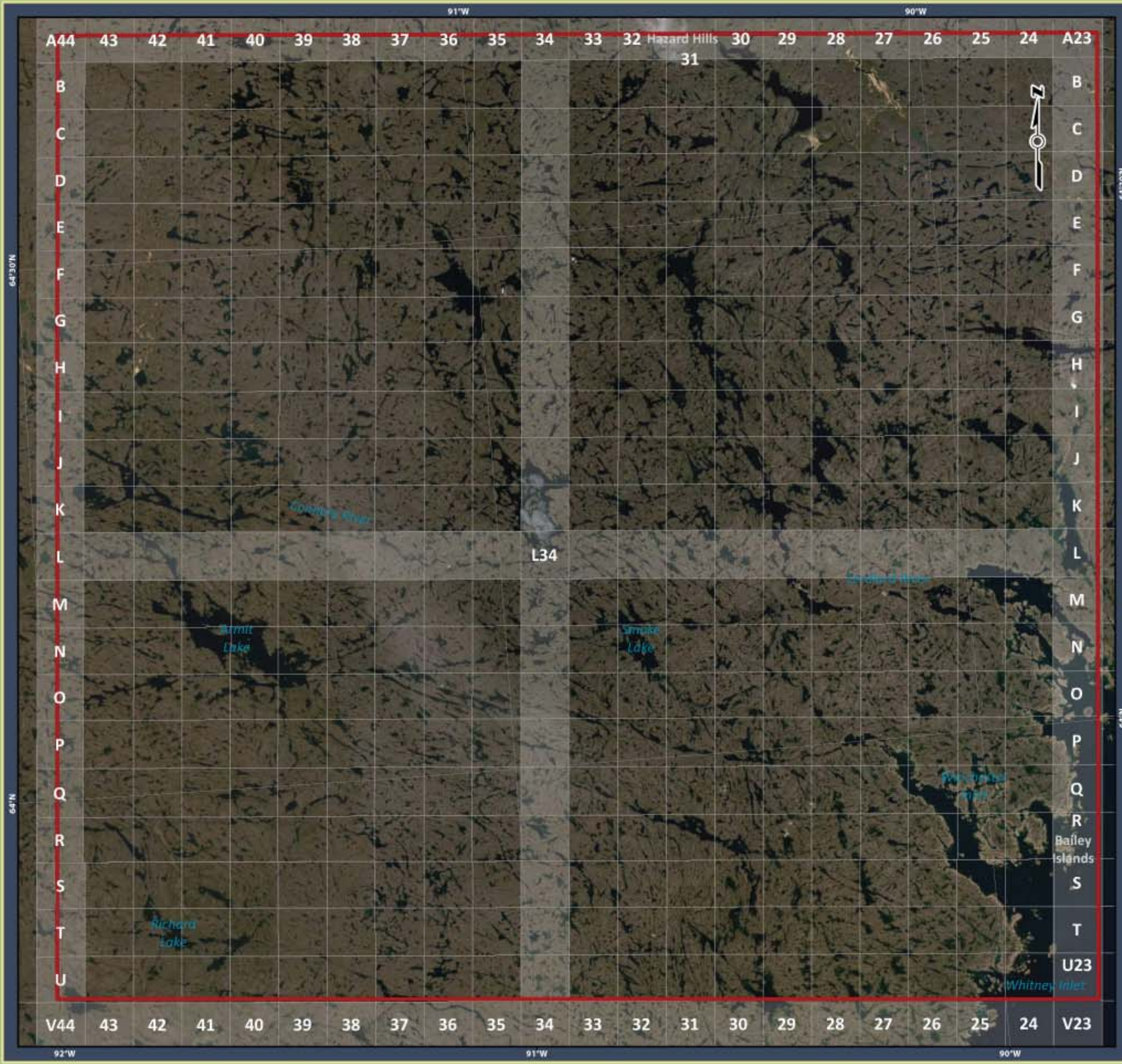
31/05/2021


KEY MAP
Baker Lake
ᑲᒪᓂᑉᑐᐊᖅ
Qamanittuaq
Lorillard River
Cape Fullerton
Harry Gibbons Migratory Bird Sanctuary
Chesterfield Inlet
ᐃᒃᓱᓕᓕᒋᓐᓂᒃ
Igluligarrjuq
Gibson Lake
Chesterfield Inlet
Meliadine Mine
Iqalugaarjuup Nunanga Territorial Park
Rankin Inlet
ᑲᖏᒃᑯᓐᓂᖅ
Kangiq&iniq
Rankin Inlet
Whale Cove
Whale Cove
ᑎᑭᓯᑦᓱᐊᖅ
Tikirarjuaq
Maguse River
Arviat
ᐊᕙᐊᑦ
McConnell River Migratory Bird Sanctuary
Arviat
0 10 20 30 40
Kilometres
98°W
96°W
94°W
92°W
90°W
88°W
86°W
64°30'N
63°45'N
63°N
62°15'N
61°30'N
60°45'N
60°N

28/05/2021

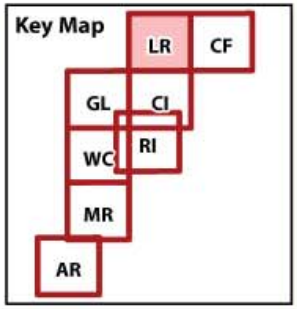

Rankin Inlet Harvest Study
Cape Fullerton
Key Map
LR
CF
GL
CI
WC
RI
MR
AR
Area of Detail
Nunavut
0 5 10 15
Kilometres
Projection: Canada Lambert Conformal Conic
Data Sources:
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.
Prepared for:
AGNICO-EAGLE
By:
Nunavut ENVIRONMENTAL CONSULTING LTD
CASLYS CONSULTING
89°W
88°W
64°30'N
64°N
A23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 A1
B C D E F G H I J K L M N O P Q R S T
U23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 U1
K12
Yellow Bluff
Whale Point
Cape Fullerton
Ne Ultra Strait
Daly Bay
Bernheimer Bay
Bailey Islands

28/05/2021




# Rankin Inlet Harvest Study

## Lorillard River



0 5 10 15
Kilometres

**Projection:** Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

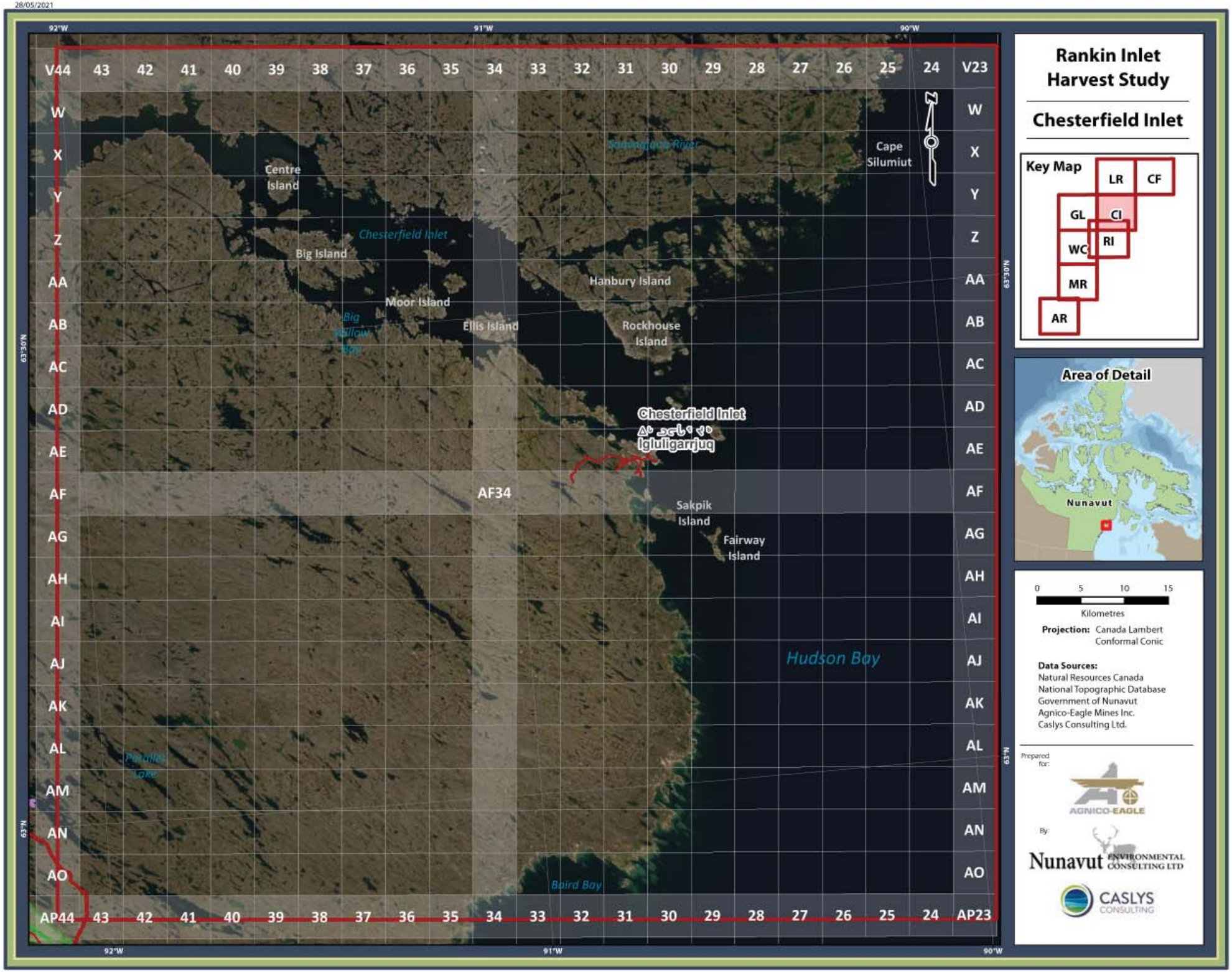
AGNICO-EAGLE

By:

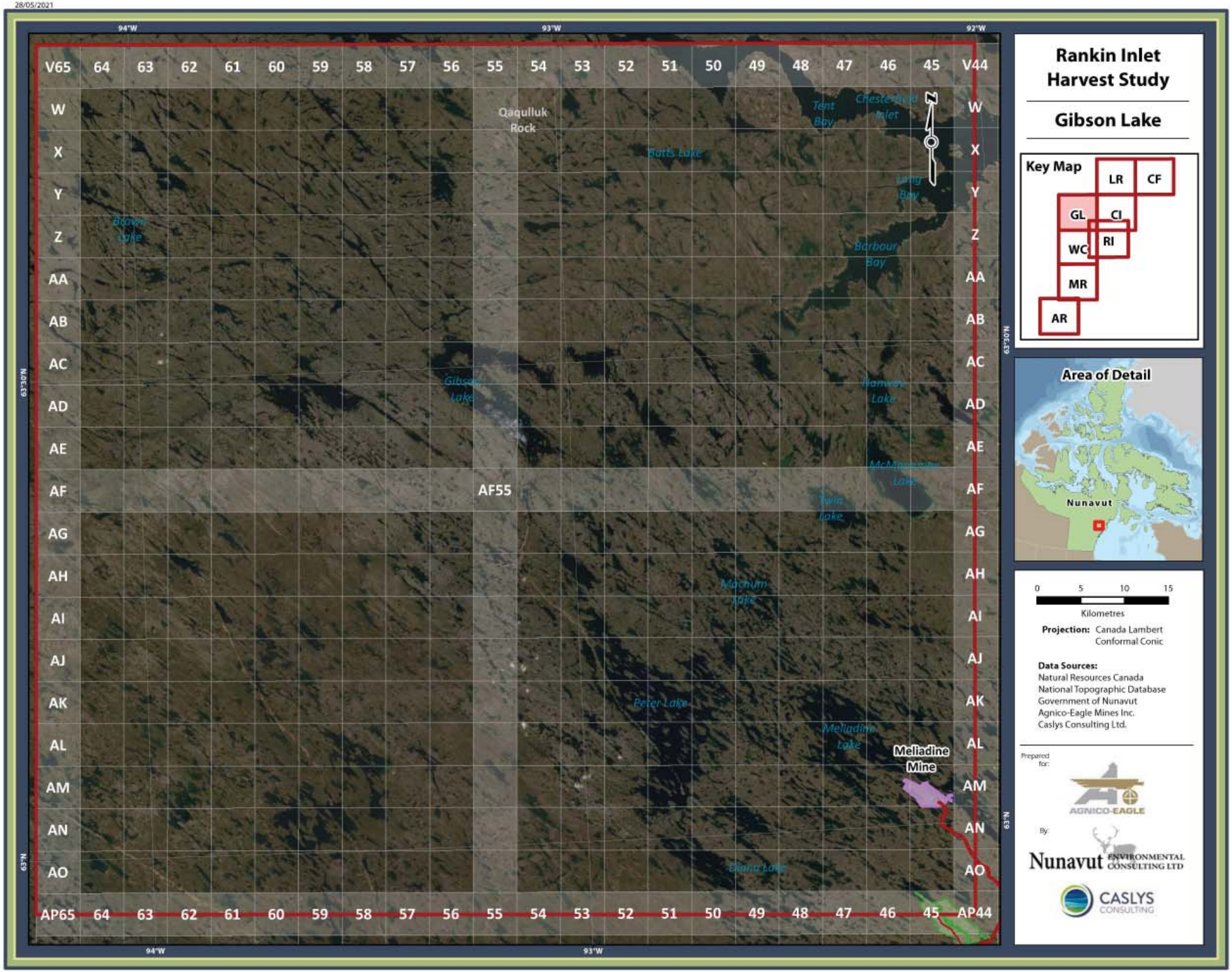
Nunavut ENVIRONMENTAL CONSULTING LTD

CASLYS CONSULTING

28/05/2021


Rankin Inlet Harvest Study
Chesterfield Inlet
Key Map
LR
CF
GL
CI
WC
RI
MR
AR
Area of Detail
Nunavut
Centre Island
Chesterfield Inlet
Big Island
Moor Island
Big Willow Bay
Ellis Island
Hanbury Island
Rockhouse Island
Cape Silumiut
Chesterfield Inlet
ᐃᓗᓕᓂᕐᒥᒃ
Igluligarrjuq
AF34
Sakpik Island
Fairway Island
Hudson Bay
Baird Bay
Kilometres
Projection: Canada Lambert Conformal Conic
Data Sources:
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.
Prepared for:
AGNICO-EAGLE
By:
Nunavut ENVIRONMENTAL CONSULTING LTD
CASLYS CONSULTING

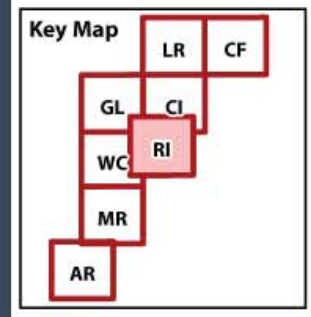
28/05/2021


Rankin Inlet Harvest Study
Gibson Lake
Key Map
LR
CF
GL
CI
RI
WC
MR
AR
Area of Detail
Nunavut
0 5 10 15
Kilometres
Projection: Canada Lambert Conformal Conic
Data Sources:
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.
Prepared for:
AGNICO-EAGLE
By:
Nunavut ENVIRONMENTAL CONSULTING LTD
CASLYS CONSULTING
94°W
93°W
92°W
63°30'N
63°N
V65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 V44
W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO
AP65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 AP44
AF55
Qaqulluk Rock
Tent Bay
Chesterfield Inlet
Batts Lake
Long Bay
Blower Lake
Barbour Bay
Gibson Lake
Hanway Lake
McMillan Lake
Twin Lake
Machum Lake
Peter Lake
Meliadine Lake
Meliadine Mine
Dunne Lake

28/05/2021

# Rankin Inlet Harvest Study

## Rankin Inlet



0 5 10 15
Kilometres

**Projection:** Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

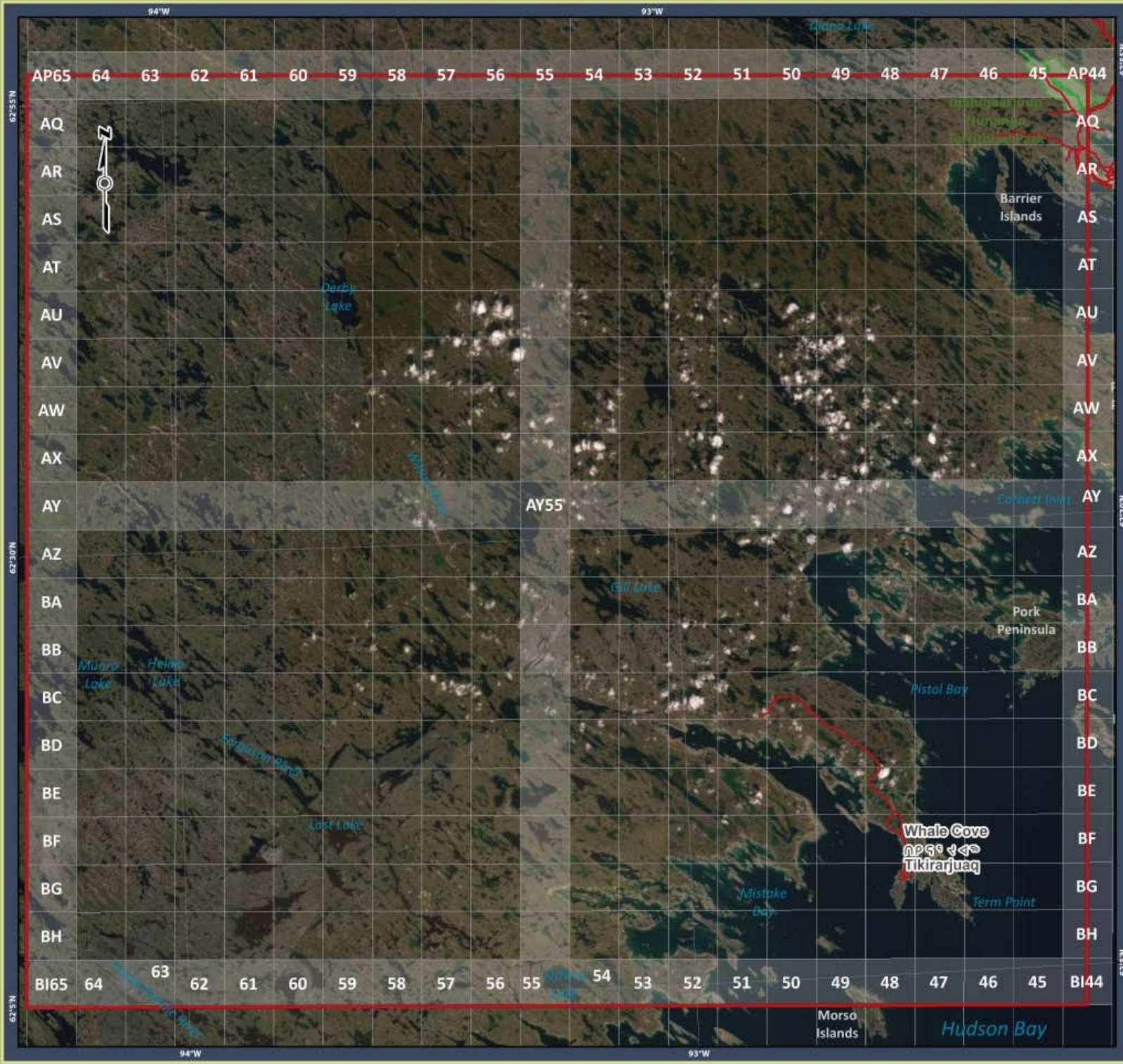
AGNICO-EAGLE

By:

Nunavut ENVIRONMENTAL CONSULTING LTD

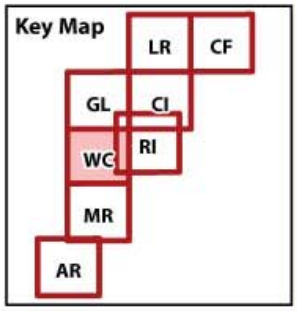
CASLYS CONSULTING

28/05/2021




# Rankin Inlet Harvest Study

## Whale Cove



0 5 10 15
Kilometres

**Projection:** Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut ENVIRONMENTAL CONSULTING LTD

CASLYS CONSULTING

31/05/2021

# Rankin Inlet Harvest Study

## Maguse River

0 5 10 15
Kilometres

**Projection:** Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

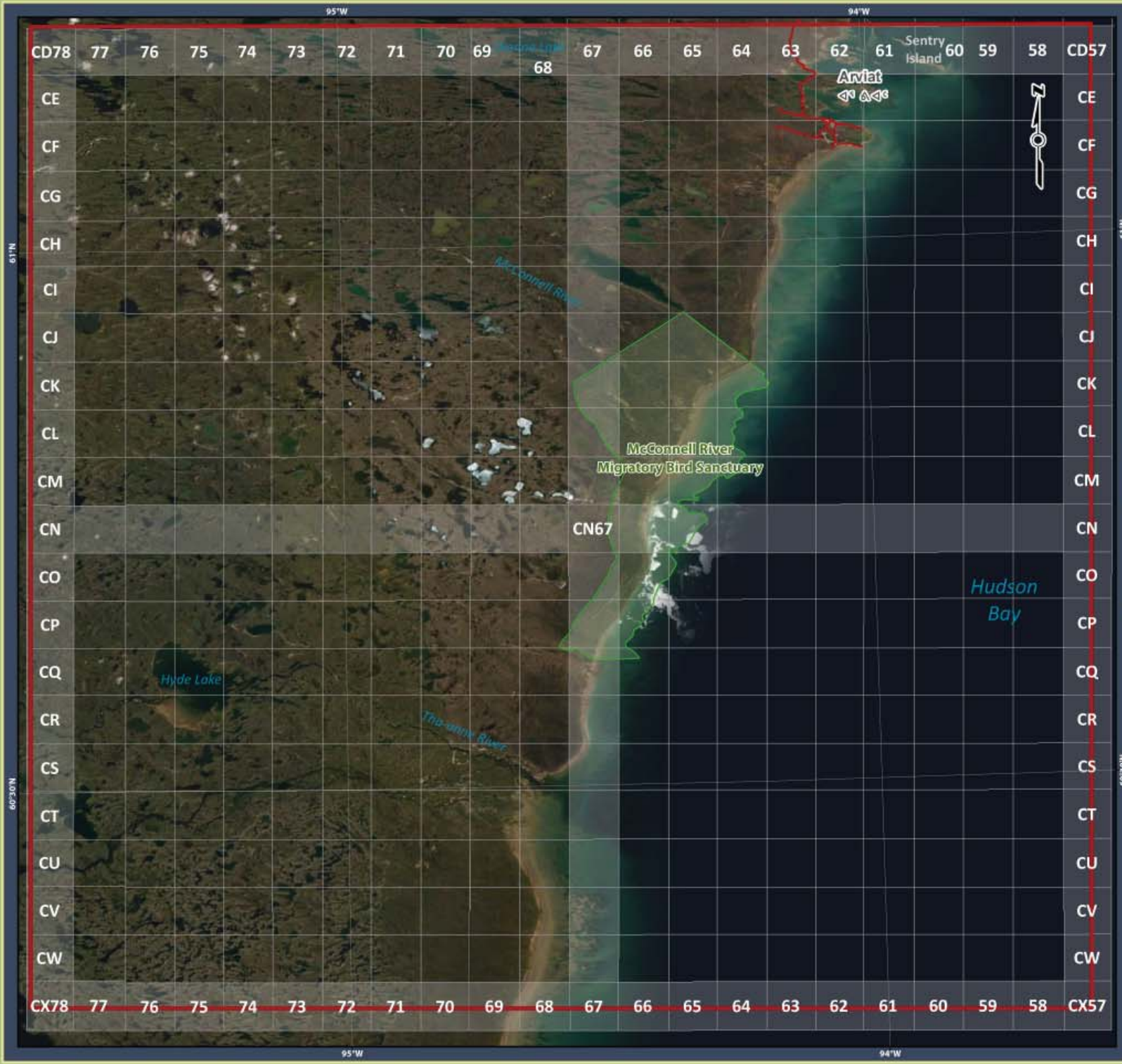
AGNICO-EAGLE

By:

Nunavut ENVIRONMENTAL CONSULTING LTD

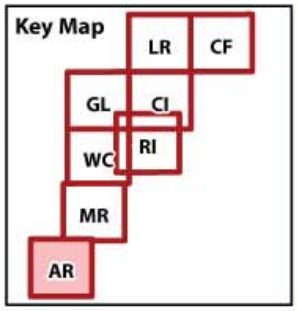
CASLYS CONSULTING

31/05/2021




# Rankin Inlet Harvest Study

## Arviat



0 5 10 15
Kilometres

**Projection:** Canada Lambert Conformal Conic

**Data Sources:**
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Caslys Consulting Ltd.

Prepared for:

AGNICO-EAGLE

By:

Nunavut ENVIRONMENTAL CONSULTING LTD

CASLYS CONSULTING

## How to Use the Rankin Inlet Harvest Calendar

Agnico Eagle Mines Ltd. (Agnico), in cooperation with the Kangiqlinq Hunters and Trappers Organization (KHTO) of Rankin Inlet, want to understand hunting and fishing patterns by Rankin Inlet residents. Specifically, we want to understand how the Meliadine Project and the all-weather access road (AWAR), located north of Rankin Inlet, might influence 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 maps at the back of the calendar.

You will also be visited or contacted by the hunter harvest consultant or a KHTO member occasionally throughout the year. The consultant's or member'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 or KHTO offices in Rankin Inlet at the end of the year or give the calendar to the consultant on the January 2024 visit.

Each participant will receive a gift (e.g., gas voucher) expressing our thanks, and additional prizes will be provided in January 2024 at the end of the study.

If you have any questions, please contact the Rankin Inlet Harvest Study Consultant, Dylan White at 1-266-500-4202 or dsgwhite@gmail.com. You can also contact a KHTO member in the community or email Martin Gebauer at martin@gebauerassociates.com.

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## ᖃᓄᖅ ᐊᑐᕆᐊᖃᕐᓂᖓ ᑲᖏᖅᑕᓂᕐᒥᑦ ᒪᖃᐃᑎᓄᑦ ᐅᐸᓗᖅᓯᐅᑎ

ᐊᒡᓃᑯᒃ ᐅᔭᕋᒃᑕᕆᐊᑦ ᓕᒥᑎᑦ (ᐊᒡᓃᑯᒃᑯᑦ),ᐱᓕᕆᖃᑎᒋᐸᓗᒋᑦ ᑲᖏᖅᑕᓂᕐᒥᑦ ᐆᒪᔪᓕᕆᔨᐊᓛᒃᑯᑦ,ᑐᑭᓯᐊᓕᕈᒪᔪᑦ ᑲᖏᖅᑕᓂᕐᒥᐅᑕᓄᑦ ᐊᑐᖅᑕᐅᖃᑦᑕᖅᑐᓂᒃ ᒪᖃᐃᓐᓂᕐᒧᑦ ᐊᒻᒪᓗ ᐃᖃᑦᓕᐊᖅᓂᕐᒧᑦ. ᐱᓗᐊᖅᑐᒥᑦ, ᑐᑭᓯᐊᓕᕈᒪᔭᕗᑦ ᑕᓯᕐᔪᐊᕐᒥᑦ ᐱᓕᕆᐊᖅ ᐊᒻᒪᓗ ᐅᑭᐅᓗᒃᑖᖅ ᐊᐸᕐᑯᑎ, ᐅᐊᖕᓇᖕᒐᓂᑦ ᑲᖏᖅᑕᓂᐅᐸ, ᐱᔾᔪᑎᖃᑐᐃᓐᓇᕆᐊᖃᕐᒪᑦ ᐱᖅᑯᓯᒃᑯᑦ ᒪᖃᐃᓐᓂᕐᒧᑦ ᐊᑐᖅᑕᐅᖃᑦᑕᖅᑐᓂᒃ. ᐱᖅᑯᓯᒃᑯᑦ ᒪᖃᐃᓐᓃᑦ ᐊᒻᒪᓗ ᐃᖃᑦᓕᐊᖅᓃᑦ ᐱᐅᖏᑦᑐᒃᑯᑦ ᐊᒃᑐᖅᑕᐅᓂᖃᕐᑯᙱᓪᓗᒋᑦ, ᐋᖅᑭᒃᓯᓚᐅᖅᑐᒍᑦ ᐅᐸᓗᖅᓯᐅᑎᒥᒃ ᐃᓚᐅᖃᑕᐅᔪᑦ ᑎᑎᕋᕐᕕᒋᓂᐊᕐᓗᒍ ᐅᑭᐅᐸ ᐃᓗᐊᓂᑦ ᒪᖃᐃᓐᓂᕐᒧᑦ ᑐᑭᓯᐅᒪᔾᔪᑎᓂᒃ.

ᐅᐸᓗᖅᓯᐅᑎᐅᐸ ᑐᓄᖅᐸᓯᐊᓃᑦᑐᖅ ᒪᒃᐱᖅᑐᒐᖅ ᑕᑯᒃᓴᐅᑎᑦᑎᔪᖅ ᓂᕐᔪᑎᓂᒃ ᐊᒻᒪᓗ ᐃᖃᓗᖕᓂᑦ ᐊᔾᔨᒌᙱᑦᑐᓂᒃ ᐃᓚᐅᔪᑦ ᖃᐅᔨᓴᐃᓂᕐᒥᑦ. ᑎᑎᕋᕐᓗᒋᑦ ᐅᐸᓗᖅᓯᐅᑎᒧᑦ ᓂᕐᔪᑏᑦ, ᖃᐸᓯᓂᒃ, ᐊᖑᓴᓪᓗᖅ/ᐊᕐᓇᓪᓗᖅ, ᐊᒻᒪᓗ ᓇᑭᑦ ᓂᕐᔪᑏᑦ ᐃᖃᓗᐃᓪᓘᓐᓃᑦ ᐱᑖᖅᑕᐅᓚᐅᕐᒪᖔᑕ ᐊᑐᓂ ᐅᐸᓗᕐᓂᑦ. ᑎᑎᕋᕐᓗᒋᑦ ᐃᓂᖏᑦ, ᐊᑐᕐᓗᑎᑦ ᐃᓂᓂᒃ ᓇᓗᓇᐃᖅᓯᔾᔪᑎᓂᒃ ᑕᐃᒪᐅᔪᑦ ᓄᓇᙳᐊᕐᒥᑦ ᐅᐸᓗᖅᓯᐅᑎᐅᐸ ᑐᓄᐊᓃᑦᑐᖅ.

ᖃᑯᑎᒃᑯᑦ ᐅᑭᐅᐸ ᐃᓗᐊᓂᑦ ᑕᑯᔭᖅᑐᖅᑕᐅᖃᑦᑕᕐᓂᐊᖅᑐᑎᑦ ᖃᐅᔨᒋᐊᕐᕕᐅᖃᑦᑕᖅᑐᒧᑦ ᐅᕝᕙᓘᓐᓃᑦ ᐆᒪᔪᓕᕆᔨᐊᓛᒃᑯᑦ ᑲᑎᒪᔨᖏᓐᓄᑦ ᖃᐅᔨᒋᐊᖅᑕᐅᓗᑎᓪᓘᓐᓃᑦ ᓂᕐᔪᑎᓂᒃ ᒪᖃᐃᑕᕕᑦ ᒥᒃᓴᓄᑦ. ᖃᐅᔨᒋᐊᕐᕕᐅᖃᑦᑕᖅᑑᐸ ᐅᕝᕙᓘᓐᓃᑦ ᑲᑎᒪᔨᐅᐸ ᐱᓕᕆᐊᖓ ᐊᔪᕐᓇᙱᓐᓂᖅᓴᐅᓂᐊᖅᑐᖅ ᑎᑎᕋᑲᐅᑎᒋᖃᑦᑕᕈᒃᑎᒃ ᒪᖃᐃᑕᑎᑦ ᐅᐸᓗᖅᓯᐅᑎᒧᑦ.

ᐅᑭᐅᖅ ᓄᙳᐊᓂᑦ ᐅᑎᖅᑎᓐᓂᐊᖅᐸᐃᑦ ᐅᐸᓗᖅᓯᐅᑎ ᐊᒃᓃᑯᒃᑯᓐᓄᑦ ᐅᕝᕙᓘᓐᓃᑦ ᑲᖏᖅᑕᓂᕐᒥᑦ ᐆᒪᔪᓕᕆᔨᐊᓛᒃᑯᑦ ᑎᑎᕋᕐᕕᖓᓄᑦ ᐅᕝᕙᓘᓐᓃᑦ ᑐᓂᓗᒍ ᐅᐸᓗᖅᓯᐅᑎ ᖃᐅᔨᒋᐊᖅᑕᕐᕕᐅᔨᒧᑦ ᑕᖅᑮᓐᓇᕐᔪᐊᖅ (ᔭᓄᐊᕆ) 2024-ᒥᑦ ᑕᐃᑯᙱᖅᐸᑦ.

ᐃᓚᐅᖃᑕᐅᔪᑦ ᑐᓂᔭᐅᓂᐊᖅᑐᑦ ᐱᑖᕈᑎᒥᒃ (ᓱᕐᓗ, ᐅᖅᓱᖅᑖᕈᑎᒃᓴᖅ) ᖁᔭᓕᓗᑎᒍᑦ, ᐊᒻᒪᓗ ᐱᑖᒃᓴᒃᑲᓐᓃᑦ ᑕᐃᒪᐅᓂᐊᖅᑐᑦ ᑕᖅᑮᓐᓇᕐᔪᐊᖅ (ᔭᓄᐊᕆ) 2024-ᒥᑦ ᖃᐅᔨᓴᐃᓂᖅ ᐱᐊᓂᒃᐸᑦ.

ᐊᐱᖅᑯᑎᒃᓴᖃᕈᕕᑦ, ᖃᐅᔨᒋᐊᕐᕕᒋᓗᒋᑦ ᑲᖏᖅᑕᓂᕐᒥᑦ ᒪᖃᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᕐᒧᑦ ᖃᐅᔨᒋᐊᖅᑕᕐᕕᒃ, ᑎᓚᓐ ᐅᐊᐃᑦ ᐅᕗᓂ 1-266-500-4202 ᐅᕝᕙᓘᓐᓃᑦ ᑎᑎᕋᕐᓗᑎᑦ ᐅᕗᖓ dsgwhite@gmail.com. ᖃᐅᔨᒋᐊᕐᕕᒋᔪᖕᓇᕐᒥᔭᑎᑦ ᑲᖏᖅᑕᓂᕐᒥᑦ ᐆᒪᔪᓕᕆᔨᐊᓛᒃᑯᑦ ᐅᕝᕙᓘᓐᓃᑦ ᖃᓇᑕᐅᔭᒃᑯᑦ ᑎᑎᕋᕐᕕᒋᓗᒍ ᒫᑎᓐ ᒋᐸᐅ ᐅᕗᖓ dsgwhite@gmail.com.

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