APPENDIX 25 2025 TERRESTRIAL ENVIRONMENT MANAGEMENT AND MONITORING PLAN REPORT

REPORT

Agnico Eagle Mines Limited

Agnico Eagle Mines Limited - Meliadine Division

2025 Terrestrial Environment Management and Monitoring Plan Annual Report

March 30, 2026

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Study Limitations

On behalf of Agnico Eagle Mines Limited (Agnico Eagle), WSP Canada Inc. (WSP) has prepared this Terrestrial Environment Management and Monitoring Plan (TEMMP) Annual Report for the 2025 Monitoring Period at the Meliadine Gold Mine near Rankin Inlet, Nunavut.

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

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

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

If new information is discovered during future work, the conclusions of this report should be re-evaluated, and the report amended, as required, prior to any reliance upon the information presented herein.

Executive Summary

The Agnico Eagle Mines Limited (Agnico Eagle) Meliadine Gold Mine (the Project or the Mine), received a Project Certificate (No. 006) from the Nunavut Impact Review Board (NIRB) in February 2015, and was amended in February 2019 (Amendment No. 001) and in March 2022 (Amendment No. 002). A Terrestrial Environment Management and Monitoring Plan (TEMMP) for the Project was prepared for submission with the Project Final Environmental Impact Statement (FEIS; Golder 2014, 2015) and forms a component of the documentation series produced in accordance with the Project. An updated TEMMP was submitted to the NIRB in March 2025 (TEMMP Version 5; Agnico Eagle 2025a). This report addresses requirements of the Terms and Conditions of the NIRB Project Certificate (No. 006), as relevant to the TEMMP.

The objectives of the TEMMP Annual Report are to summarize annual data collected from wildlife and vegetation monitoring programs and to describe natural variation and potential Project-related effects to wildlife populations within and adjacent to the Project. The data was collected according to procedures and sampling or monitoring intervals outlined in the Project's Standard Operating Procedures (SOPs) and the TEMMP. The 2025 TEMMP Annual Report describes monitoring objectives and methods, 2025 survey results, mitigation activities, and management recommendations (i.e., adaptive management). The following summary documents monitoring information collected for the 2025 TEMMP for the Meliadine Project located in the Kivalliq Region of Nunavut.

Incorporation of Inuit Qaujimajatuqangit

- In 2025, Inuit Qaujimajatuqangit (IQ) was collected during 11 meetings, 2 workshops, and seven cultural activities.

Direct Habitat Loss

- Direct habitat loss is assessed every three years and was last assessed in 2024, with the next assessment scheduled for 2027. As of 2024, 696 hectares (ha) have been altered due to Project construction, representing 41% of the 2012 Project Approved footprint and 24% of the predicted Project footprint. This represents a total of 63 ha of direct habitat loss between 2021 to 2024.

Indirect Habitat Loss

- Indirect habitat loss for caribou (*Rangifer tarandus*) and wildlife habitat (soils and vegetation) is assessed every three years and was assessed in 2025. The next full assessment is scheduled for 2028.

Soil and Vegetation Monitoring

- Soil and vegetation health monitoring (dust and metals survey) is assessed every three years and was completed in 2025. A total of 55 sampling locations across seven transects were completed during the 2025 monitoring program, with sampling locations occurring at pre-determined distances from the Mine or All-weather Access Road (AWAR). Sampling was completed to assess metal concentrations and potential relationships with distance from the Mine or AWAR. Percent cover and plant vigour was also assessed at each sampling location. The 2025 data is comparable to previous monitoring programs, indicating metal exceedances likely stem from naturally occurring elevated metal concentrations rather occurring due to the Mine. No relationship between plant vigour and distance to the Mine or AWAR was apparent. To date, there is no evidence indicating that Mine-related activities have contributed to metal concentration threshold exceedances or decreases in plant distribution and vigour, thereby decreasing the quality of wildlife habitat.

Non-native Plants

- Non-native plant surveys were completed along the AWAR; no non-native plant species were detected.

Environmental Variables

- A maximum annual temperature of 26.8 degrees Celsius (°C) was recorded on 9 July 2025 and a minimum annual temperature of -39.8°C was recorded 22 January 2025. The mean annual temperature was -8.3°C. Total recorded annual precipitation was 286.8 millimetres (mm) and snowmelt began 25 May 2025 when the average daily air temperature exceeded 0°C. The green-up date for the RSA was estimated to be between 12 and 28 July 2025, based on normalized difference vegetation (NDVI) values averaged across the RSA (obtained from MODIS VI satellite). A multi-year summary of environmental variables is provided in this report.

Birds

Shoreline Surveys

- A total of 23 nests of 8 species were detected in 2025.

Point Counts

- Point count surveys are completed every three years, with the last survey being completed in 2024. The next point count survey is scheduled for 2027.

PRISM

- A total of five Program for Regional and International Shorebird Monitoring (PRISM) survey plots were completed in 2025. A total of 15 bird species were observed, with horned lark being the most common. No evidence of breeding (nests) was recorded during surveys.

Raptors

- Environmental Dynamics Inc. (EDI) conducted a formal survey at 228 raptor nesting sites in the Regional Study Area (RSA) in 2025. The study design included two surveys: one to assess the location of occupied territories during the pre-incubation and incubation periods, and one to assess site productivity during the late brood rearing period. A total of 52 nest sites were occupied by raptors, 15 of which were determined to be successful while the success of the remaining 37 could not be determined. Occupancy models were not completed for peregrine falcon (*Falco peregrinus*) or rough-legged hawk (*Buteo lagopus*) in 2025.

Pre-Clearance Surveys

- Two bird nests were recorded during pre-clearance surveys in 2025, while an additional 11 were identified during regular environmental monitoring activities. Of these 13 nests, 7 required mitigation.

Wildlife Observations

Wildlife Sighting/Track Surveys

- Wildlife sighting/track surveys were completed by Agnico Eagle personnel along the AWAR and Mine infrastructure throughout the year.
- A total of 5,171 individuals from 13 identified wildlife species and 6 unidentified wildlife species groups (e.g., duck species [sp.], gull sp., loon sp., ptarmigan sp.) were recorded during surveys along the AWAR in 2025.
- A total of 1,331 individuals from 14 identified wildlife species and 7 unidentified wildlife species groups (e.g., duck sp., gull sp., loon sp.) were recorded during surveys at Mine infrastructure other than the AWAR in 2025.

Wildlife Incidentals

- There were 93 incidental observations recorded, representing 120 individuals of 6 species and 1 species group (i.e., bird sp.), around the Mine site (including the camp area) and the AWAR in 2025.

Den Sites

- Surveys were completed for the Project in January and May 2025 to locate dens of Arctic fox (*Vulpes lagopus*), grey wolf (*Canis lupus*), polar bear (*Ursus maritimus*), grizzly bear (*Ursus arctos*), and wolverine (*Gulo gulo*).
- Two surveys were completed ahead of clearing activities, with no dens recorded.

Bird Nests

- Eleven incidental bird nests were observed on the Mine site or along the AWAR in 2025.

Incidents and Mortalities

- A total of five mortalities across three different species were reported at the Project from 8 January to 4 August 2025. An Arctic hare mortality and a least weasel mortality were confirmed to be caused as a direct result of Project activities. Two mortalities were suspected to be of natural causes, while the cause of the remaining mortality was unknown. No caribou mortalities were reported in 2025.

Wildlife Deterrents

- Wildlife deterrents (i.e., propane noise cannons, deterrent balloons, and bird strobe light) were implemented at eight locations to deter birds from nesting on site. All deterrents were removed prior to the caribou migration. Active deterrence, including hazing of incidental observations of wildlife, were also completed by environmental technicians, with all deterrence activities successful.
- Propane noise cannons were not used during the caribou migration period.

Barren-ground Caribou

Caribou Behaviour Monitoring

- Statistical analyses of 2020 to 2025 data found that caribou farther from infrastructure (i.e., greater than 300 m) displayed lower proportions of response behaviours.
- The proportion of response behaviours in caribou groups increased following disturbances, but behaviours usually returned to baseline levels within nine minutes.
- Caribou displayed a greater likelihood of walking, alert, or running behaviours in surveys where there were disturbances such as vehicle traffic.
- Environmental variables (e.g., temperature, wind speed, and insect harassment) were not related to proportion of response behaviours in caribou groups.

Caribou Remote Camera Study

- Between 2020 and 2025, a study was conducted using motion-triggered cameras to study caribou interactions with the Project infrastructure during their annual migration, focusing on the AWAR. From 2023 to 2025, cameras were placed around the Mine site and along the proposed Discovery Road following guidance from the Terrestrial Advisory Group.
- Detections of caribou were reduced compared to data from 2020 to 2024. A single group of caribou were detected along the AWAR in 2025. While caribou have historically travelled through the Mine area post-calving, in 2024 and 2025 most caribou stayed west of Meliadine Lake post-calving, then returned directly south based on GPS collared data and reports form community members.
- Pooled data from 2020to 2025indicated that 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.
- In 2025, one detection of caribou occurred on 25 June, southwest of the Mine.
- Peak detection of caribou among the cameras deployed along the proposed Discovery Road was in late June and early July, consistent with previous years.

Collared Caribou Inventory

- Individuals from the Qamanirjuaq herd have been present in the RSA for 18 of the 33 years where collar data are available. Since 2011, collared Qamanirjuaq caribou have typically entered the RSA in late June to mid-July and have remained in the RSA for 1 to 5 days.
- Individuals from the Qamanirjuaq herd have been present in the LSA for 17 of the 33 years where collar data are available. Collared caribou typically enter the LSA in early to mid-July and leave the LSA on the same day; some individuals enter the LSA several times over the course of one summer but remain in the LSA for a day or less during each interaction. The length of time Qamanirjuaq caribou are spending in the LSA has not varied since collared caribou began interacting with the LSA in 2006.
- Fewer than 30% of Qamanirjuaq caribou come within 5 km of the Project and 99% of caribou that came within 5 km of the AWAR or Mine for a specific year remained for less than 24 hours. In consideration of these results, impacts to the Qamanirjuaq herd due to the Project have the potential for limited transboundary effects.

Caribou Advisory

- Surveys to monitor migration of the Qamanirjuaq herd through the Project were performed from 13 June to 12 July 2025. Full or partial closures of the AWAR, Mine site, and tailings storage facility (TSF) were triggered between 19 to 29 June 2025.
- Shutdowns affecting different components of the Mine were implemented to facilitate the safe migration of caribou through the Project. The AWAR was closed between 6 p.m. to 6 a.m. during the closure period (i.e., 19 to 29 June 2025) to avoid potential disturbance to caribou during nighttime hours. Vehicle traffic on site, open pit operations, activities at the Exploration Camp, and activities at the Main Camp were restricted for 234 hours across 11 days (i.e., 89% of the time across 11 days).
- One flight cancellation related to the caribou migration occurred in 2025.

Hunter Harvest

- The 2025 Hunter Harvest Study included 69 participants amongst which 49 reported harvesting caribou. A total of 622 caribou were reported as harvested in 2025.
- In addition, a total of 45 muskox, 10 wolverine, and 25 wolves were harvested in 2025. Other reported harvested terrestrial mammals included one American marten (*Martes americana*), three Arctic fox, two polar bear, and one red fox (*Vulpes vulpes*). In the marine environment, beluga whale (*Delphinapterus leucas*; 56 individuals) was the most common species harvested, followed by ringed seal (*Pusa hispida*; 29 individuals), narwal (*Monodon monoceros*; 4 individuals), bearded seal (*Erignathus barbatus*; 3 individuals), walrus (*Odobenus rosmarus*; 2 individuals), and harbour seal (*Phoca vitulina*; 1 individual).
- Equivalent birds were harvested by Rankin Inlet participants in 2025 and 2024 (441 birds each year), which is higher than in 2023 (202 birds), 2022 (136 birds), and 2021 (394 birds). In 2025, Canada goose (*Branta canadensis*) and snow goose (*Anser caerulescens*) were harvested at the highest levels and comprised 73% of all harvest bird species. Common eider (*Somateria mollissima*), greater white-fronted goose (*Anser albifrons*), herring gull (*Larus argentatus*)., loon sp., northern pintail (*Anas acuta*), ptarmigan sp., tundra swan (*Cygnus columbianus*), and willow ptarmigan (*Lagopus lagopus*) were also harvested.
- Arctic char (1,931 fish), lake trout (412 fish), and Arctic cod (*Arctogadus glacialis*; 46 fish) were the most common species caught by anglers. Relatively small numbers of Arctic grayling (8 fish) and burbot (*Lota lota*; 2 fish) were caught in 2025, while lumpfish (*Cyclopterus lumpus*; 10 fish) is a new species that has not been previously reported.

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Acronyms

Acronym	Full Term
AIC	Akaike Information Criterion
ATV	All Terrain Vehicle
AWAR	All-Weather Access Road
CESCC	Canadian Endangered Species Conservation Council
ECCC	Environment and Climate Change Canada
EDI	Environmental Dynamics Inc.
ERM	ERM Consultants Canada Ltd.
FEIS	Final Environmental Impact Statement
GIS	Geographic Information System
GLM	Generalized Linear Model
GLMM	Generalized Linear Mixed-effects Model
GN	Government of Nunavut
GN DoE	Government of Nunavut Department of Environment
GPS	Global Positioning System
HHS	Hunter Harvest Study
HTO	Hunters and Trappers Organization
IOL	Inuit Owned Lands
IQ	Inuit Qaujimajatuqangit
KEAC	Kivalliq Elders Advisory Committee
KHTO	Kangiqliniq Hunters and Trappers Organization
KivIA	Kivalliq Inuit Association
LSA	Local Study Area
MOU	Memorandum of Understanding
N/A	Not Applicable
NDVI	Normalized Difference Vegetation Indices
NIRB	Nunavut Impact Review Board
NRV	Natural Range of Variability
Nunavut Environmental	Nunavut Environmental Consulting Ltd.
NWMB	Nunavut Wildlife Management Board
PRISM	Program for Regional and International Shorebird Monitoring
QA	Quality Assurance
QC	Quality Control
RSA	Regional Study Area
SARA	Species At Risk Act
SLRA	Screening Level Risk Assessment
SNU	Statutes of Nunavut
SOP	Standard Operating Procedures
sp./spp.	Species
SQG	Soil Quality Guidelines

Acronym	Full Term
TAG	Terrestrial Advisory Group
TBD	To Be Determined
TEMMP	Terrestrial Environment Management and Monitoring Plan
TEMMP Report	Terrestrial Environment Management and Monitoring Plan Annual Report
TK	Traditional Knowledge
ToR	Terms of Reference
VEC	Valued Ecosystem Component
WRSF	Waste Rock Storage Facility
WSP	WSP Canada Inc.

1.0 INTRODUCTION

1.1 Background

The Agnico Eagle Mines Limited (Agnico Eagle) Meliadine Gold Mine (the Project), located in the Kivalliq Region of Nunavut (Figure 1), received a Project Certificate (No. 006) from the Nunavut Impact Review Board (NIRB) in February 2015 (with Amendment 001 in February 2019 for saline discharge activities and with Amendment 002 in March 2022 for saline discharge activities and the Waterlines proposal). The subsequent Water Licence and leases allowed for the construction of a gold mine and ancillary facilities including an All-weather Access Road (AWAR), barge unloading facilities, laydown area, and a fuel tank farm in Rankin Inlet, Nunavut. A conceptual Terrestrial Environment Management and Monitoring Plan (TEMMP) for the Mine was prepared for submission with the Project Final Environmental Impact Statement (FEIS; Golder 2014, 2015). The TEMMP was updated in April 2022 (TEMMP Version 4; Agnico Eagle 2022a) and again in March 2025 (TEMMP Version 5; Agnico Eagle 2025a), with both versions issued to the NIRB.

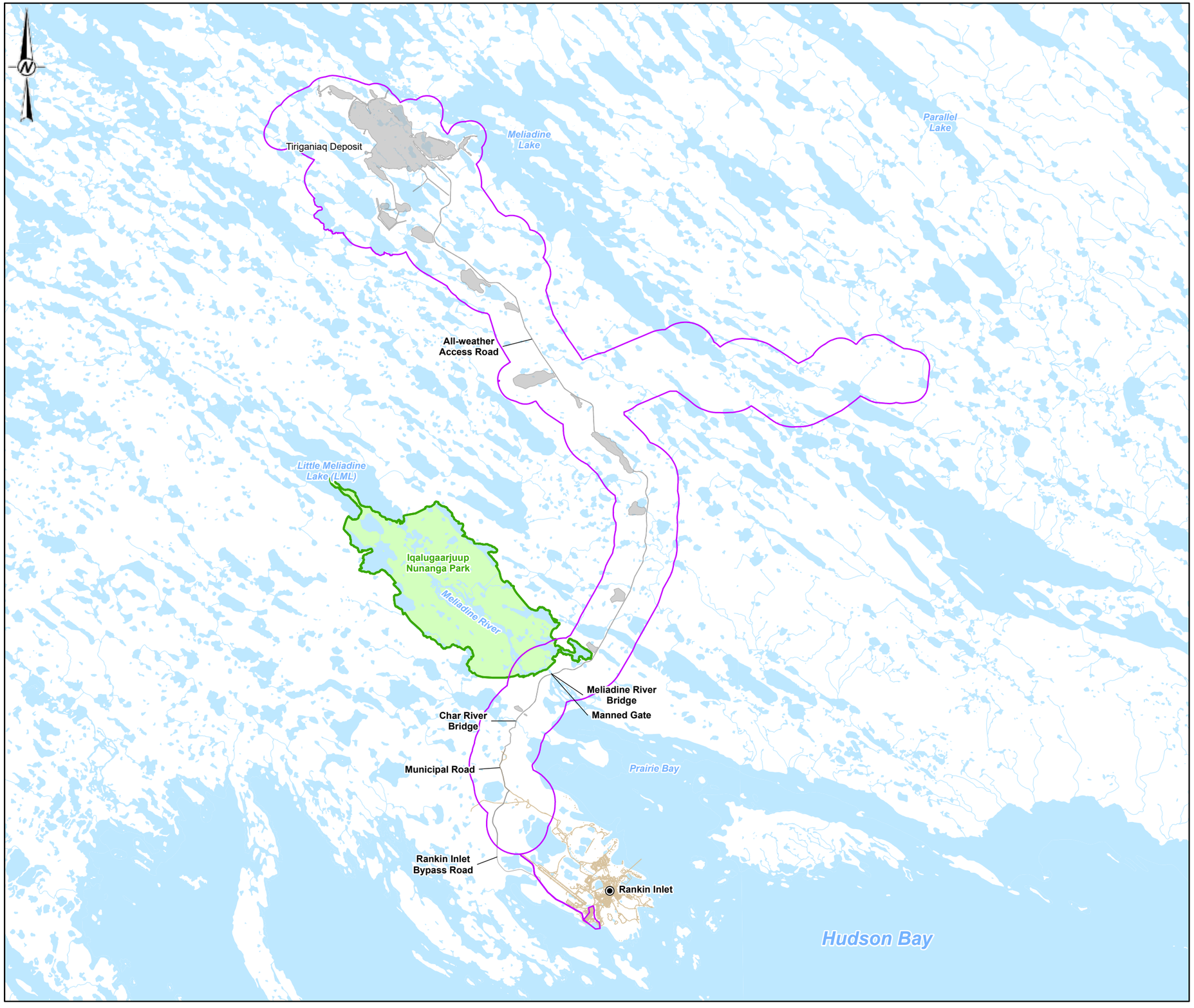
This report addresses requirements of Project Certificate No. 006, which were first included in the 2017 Annual TEMMP Report (Golder 2018) and are listed in Table 1 of this report. The 2025 TEMMP Annual Report (this document) is the eight of a series of annual TEMMP summary reports for the Mine and captures the sixth year of operations (Mine operations commenced in 2019). The purpose of this report is to summarize the 2025 data collected from wildlife and vegetation monitoring programs and to describe natural variation and potential Project-related changes in wildlife populations within and adjacent to the Mine. The 2025 Annual TEMMP Report describes monitoring objectives and methods, annual results, mitigation activities, and management recommendations (i.e., adaptive management). The Mine is anticipated to be operational through to 2031, with closure and post--closure activities continuing until 2037.

1.2 Project Description

The Project is located approximately 25 km north of Rankin Inlet, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut. Situated on the western shore of Hudson Bay, the Project site is located on a peninsula between the east, south, and west basins of Meliadine Lake (63°1’23.8’’ N, 92°13’6.42"W), on Inuit Owned Lands (IOL).

Mine facilities on surface include a plant site and accommodation buildings, ore stockpiles, a tailings storage facility (TSF), two waste rock storage facilities (WRSFs), an incinerator, landfarms (A and B), a landfill, a water management system that includes collection ponds, water diversion channels, retention dikes/berms, and water treatment plants.

Environmental baseline studies were completed in the Project area prior to Project approval and integrated into the current Project design according to the TEMMP (Agnico Eagle 2025a). Vegetation and wildlife Valued Ecosystem Components (VECs) were identified in consultation with regulatory agencies, the Kivalliq Inuit Association (KivIA), and the Kangiqliniq Hunters and Trappers Organization (KHTO). Vegetation VECs include plant populations and communities, listed (rare) plant species, and traditional use plant species. Wildlife VECs include ungulates (caribou [*Rangifer tarandus groenlandicus*] and muskox [*Ovibos moschatus*]), carnivores (grey wolf [*Canis lupus*] and polar bear [*Ursus maritimus*]), raptors, waterbirds, and upland birds (including migratory birds). Further details on VEC selection can be found in the FEIS (Golder 2014) and the TEMMP (Agnico Eagle 2025a).



LEGEND

- MINE FOOTPRINT (2025)
- APPROVED PROPOSED TERRESTRIAL LOCAL STUDY AREA (LSA)
- ALL-WEATHER ACCESS ROAD (AWAR)
- RANKIN INLET
- WATERCOURSE
- WATERBODY
- TERRITORIAL PARK



0 2,500 5,000

1:125,000 METRES

REFERENCE(S)

1. MINE FOOTPRINT OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. BASE DATA OBTAINED FROM NATURAL RESOURCES CANADA.

COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT

AGNICO EAGLE MINES LIMITED

AGNICO EAGLE

PROJECT

MELIADINE GOLD PROJECT
NUNAVUT

TITLE

PROJECT LOCAL STUDY AREA

CONSULTANT

wsp

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DESIGNED	NM
PREPARED	CDB
REVIEWED	NM
APPROVED	DC

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1.2.1 Concordance with Terms of Reference

Concordance with Terms and Conditions of NIRB Project Certificate No. 006 (Amendment 2) is reflected in Table 1. NIRB recommends the following related to standardization of data for monitoring programs:

> *"all monitoring plans should be designed so that results from these programs can be coordinated with ongoing regional initiatives or programs with relevant government organizations, or regional authorities." NIRB guidelines, Section 9.3, page 78-79.*
>
> *"When designing data collection or baseline studies, it is recommended that the Proponent coordinate with ongoing programs with relevant developments, government organizations, regional authorities, and researchers. This recommendation applies to data collected for the Nunavut General Monitoring Program (NGMP), as per Article 12 of the Nunavut Land Claims Agreement (NLCA), the Proponent's project-specific monitoring programs, as well as any regional monitoring initiatives in which the Proponent will participate. The Proponent is expected to coordinate on any initiatives undertaken by government organizations in respect to the NGMP and to liaise with the NGMP Secretariat whenever possible." NIRB guidelines, Section 7.7.1, page 40-41.*

Agnico Eagle will comply with these principles and has already established several programs that involve collaborations with regional initiatives and contribute to monitoring cumulative effects. These include:

- **Caribou Collar Program:** Support the Government of Nunavut's (GN) caribou satellite-collaring program for the Qamanirjuaq herd (and other herds in the Kivalliq Region that may interact with the Mine), facilitating monitoring of cumulative effects at the herd level (Agnico Eagle 2025a; Sections 2.3 and 4.2.1).
- **Regional Muskoxen Surveys:** Agnico Eagle has provided the GN Department of Environment (DoE) with in-kind contributions and support for previous muskoxen surveys and may continue to do so when requested.
- **Hunter Harvest Program:** Agnico Eagle renewed its Collaboration Agreement with the KHTO to develop and implement a methodology to document harvesting around the Meliadine Mine, and to participate in Mine site studies and monitoring. This will contribute to an understanding of cumulative effects by increasing understanding of the regional distribution and seasonality of hunting (Agnico Eagle 2025a; Sections 2.3 and 7.0).
- **Raptor Monitoring Program:** Agnico Eagle, in collaboration with the Arctic Raptor Project, implemented a raptor monitoring program (Agnico Eagle 2025a; Section 5.4). This will directly align monitoring efforts at Meliadine with this long-term regional research program, which involves government, non-government, Indigenous communities, and academic partnerships.
- **Waterfowl and Shorebird Monitoring:** Agnico Eagle, in collaboration with Environment and Climate Change Canada (ECCC), agreed to implement the Program for Regional and International Shorebird Monitoring (PRISM) (Agnico Eagle 2025a; Section 5.5.3). This will directly align monitoring efforts at Meliadine with other Agnico Eagle properties for waterfowl and shorebirds.
- **Wildlife Surveys:** Agnico Eagle conducts wildlife surveys along the AWAR and around the Mine site with environmental technicians (Agnico Eagle 2025a; Section 5.1) and also receives monthly wildlife reports for along the AWAR from KHTO. This will contribute to an understanding of cumulative effects in the region by collecting routine wildlife survey data (including caribou) and assist in anticipating large herd migrations, communicating with the KHTO, KivIA, and managing mine activities during migration events.

Table 1: Concordance Table with Nunavut Impact Review Board Project Certificate No. 006 (Amendment 002) Terms and Conditions

Term	Condition	Annual Report Section
37	The Proponent shall incorporate protocols for monitoring for the potential introduction of invasive vegetation species (e.g., surveys of plant populations in previously disturbed areas) into its Terrestrial Environment and Monitoring Plan. Any introductions of non-indigenous plant species must be promptly reported to the Government of Nunavut Department of Environment (GN DoE).	7.0
38	The Proponent shall conduct sampling to determine baseline levels for metals in soils found in areas with berry-producing plants near the Project area and shall update relevant vegetation sections within the Terrestrial Management and Monitoring Plan to incorporate ongoing monitoring of these parameters prior to commencing operations.	6.0
39	The Proponent shall develop and establish an ongoing monitoring program to determine the distribution, abundance, and health of vegetation species used as caribou forage (such as lichens) near Project areas, prior to commencing operations.	5.1, 6.0
40	The Proponent shall review, on an annual basis, all monitoring information and the vegetation mitigation and management plans developed under its Environmental Management Plan and Terrestrial Environment Management and Monitoring Plan and adjust such plans as may be required to effectively prevent or reduce the potential for significant adverse project effects on vegetation abundance, diversity and health, taking into account lessons learned at other northern mining developments where appropriate.	5.1, 6.0
44	In consultation with the Government of Nunavut (GN) and other relevant parties, such as the Terrestrial Advisory Group, the Proponent shall further develop its Terrestrial Environment Management and Monitoring Plan (TEMMP) to include increased caribou monitoring across the regional study area and additional details on the scope and design of monitoring programs. The Proponent shall also demonstrate consideration for contributing to existing and planned regional monitoring initiatives associated with terrestrial wildlife and wildlife habitat and the incorporation of Inuit Qaujimaningit, Inuit Qaujimajatuqangit, Traditional and Community Knowledge, as appropriate. Monitoring should be adequate to test impact predictions, monitor impact thresholds and trends over time, and to support implementation of mitigation measures as proposed in the Final Environmental Impact Statement and any subsequent Addenda submitted by the Proponent. The Proponent in consultation with the Terrestrial Advisory Group shall revise the 2021 Technical Memorandum entitled “Collared Caribou Meliadine All-Weather Access Road Interactions” describing the crossings and deflections of caribou in relation to the all-weather access road as assessed using caribou collar data and shall provide a copy to the NIRB prior to construction/installation of the waterlines.	3.0, 8.2, 8.3, 11.0, 12.0, 13.0
45	The Proponent shall demonstrate consideration for cooperating with existing and planned regional and/or community-based monitoring initiatives associated with terrestrial wildlife and wildlife habitat that produce information pertinent to mitigating project-induced impacts. The Proponent shall give special consideration for supporting regional studies of population health and harvest programs for Qamanirjuaq caribou which help address areas of uncertainty for Project impact predictions.	3.0, 9.0, 13.0
46	The Proponent shall update its Terrestrial Environment Management and Monitoring Plan for the Project to include a detailed harvest study prepared in consultation with the Government of Nunavut (GN) and other affected parties. The design of the harvest study should demonstrate consideration for the following: a. Hiring of a dedicated local survey coordinator through local Hunters and Trappers Organizations (HTOs) and provision of adequate resources for the HTOs to run the program; b. The potential effects on caribou populations and on caribou behaviour resulting from increased human access caused by the all-weather access road and associated roads and trails; and, c. Increasing local knowledge of the project development areas, including establishing baseline harvesting levels prior to unrestricted public access on the all-weather access road.	13.0
47	The Proponent shall share information with the Government of Nunavut (GN) relating to the migration of caribou and include the GN as a party respecting caribou monitoring and movement through Project development areas, including the all-weather access road and associated roads and trails.	12.0

Table 1: Concordance Table with Nunavut Impact Review Board Project Certificate No. 006 (Amendment 002) Terms and Conditions

Term	Condition	Annual Report Section
52	The Proponent shall undertake periodic surveys and a habitat assessment for muskoxen in the regional study area by partnering with, or complementing, the existing regional muskox monitoring programs.	11.0
53	Prior to construction of Project infrastructure including the waterlines and Phase 2 of the all-weather access road, the Proponent shall conduct a survey that is sufficient to locate any dens of foxes, bears or wolverines that could be damaged or destroyed during construction or operation of the Project.	9.3
54	The Proponent shall ensure that road safety barriers, or berms, or waterline coverings associated with Project infrastructure, all-weather access road and associated roads/trails and the waterlines are constructed to allow for the safe passage of caribou and other terrestrial wildlife while achieving the objective of separating public road use with Project-related mine traffic or transport of saline effluent.	9.0, 12.4
55	In consultation with the Government of Nunavut (GN) and other affected parties, the Proponent shall set thresholds for direct mortality of wolf, grizzly bear, polar bear, wolverine, and fox to ensure monitoring and mitigation for the Project is responsive to undesirable rates of mortality. The Proponent shall reach an agreement with the appropriate Designated Inuit Organization regarding compensation or any direct mortality of wildlife resulting from the Project.	9.5
56	The Proponent shall report annually to the NIRB regarding its terrestrial environment monitoring efforts, with inclusion of the following information: a. Description of all updates to terrestrial ecosystem baseline data; b. A description of the involvement of Inuit in its monitoring programs; c. A detailed presentation and analysis of the distribution relative to Project infrastructure and activities for caribou and other terrestrial mammals observed during surveys and incidental sightings; d. Results of the annual monitoring program, including field methodologies and statistical approaches used to support conclusions drawn; and, e. An assessment and presentation of annual environmental conditions including timing of snowmelt, green-up, as well as standard weather summaries.	1.2.1, 3.0, and 4.0, 9.0, and 12.0
57	Within its annual report to the NIRB, the Proponent shall incorporate a review section which includes: a. An examination for trends in the measured natural variability of Valued Ecosystem Components in the region relative to the baseline reporting; b. A detailed analysis of wildlife responses to operations with emphasis on wildlife behaviour, mortalities and displacements (if any), responses to operations of the all-weather access road and associated access roads/trails, and the waterlines; 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; and, d. Any proposed changes to the monitoring survey methodologies, statistical approaches or proposed adaptive management stemming from the results of the monitoring program.	8.1, 8.2, 9.1, and 12.1
59	If Species at Risk or their nests and eggs are encountered during Project activities or monitoring programs, the primary mitigation measure must be avoidance. The Proponent shall establish clear zones of avoidance based on the species-specific nest setback distances outlined in the Terrestrial Environment Management and Monitoring Plan.	9.4
61	Prior to bird breeding season, the Proponent shall either conduct clearing activities or identify and install nesting deterrents (e.g., flagging) to discourage birds from nesting in areas likely to be disturbed by construction/clearing activities. If clearing is to take place during the nesting season, a nest survey should take place to identify nests and any identified nests must remain undisturbed until the young have fledged or left the nest. Any nests identified shall be included as part of the annual reporting for the Terrestrial Environmental Management and Monitoring Plan.	8.4, 10.0

Table 1: Concordance Table with Nunavut Impact Review Board Project Certificate No. 006 (Amendment 002) Terms and Conditions

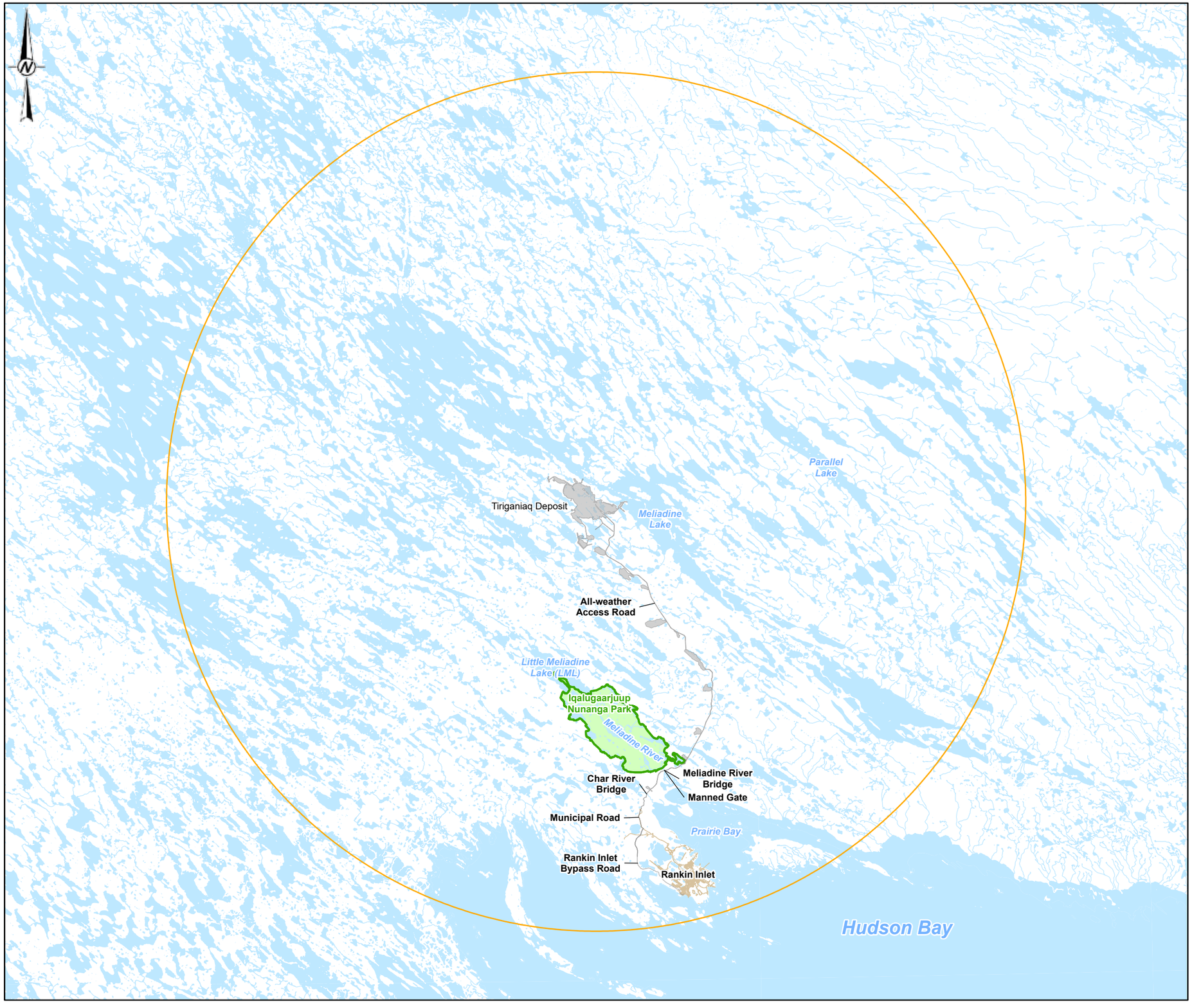
Term	Condition	Annual Report Section
62	The Proponent shall protect any nests found (or indicated nests) with a buffer zone determined by the setback distances outlined in its Terrestrial Environment Management and Monitoring Plan (TEMMP), until the young have fledged. If it is determined that observance of these setbacks is not feasible, the Proponent will develop nest-specific guidelines and procedures to ensure bird's nests and their young are protected.	9.4,10.0
71	The Proponent shall develop detailed and robust mitigation and monitoring plans for migratory birds, reflecting input from relevant agencies, the Kivalliq Inuit Association and communities.	8.0
72	The Proponent shall continue to develop and update relevant monitoring and management plans for migratory birds under the Proponent's Environmental Protection Plan and Terrestrial Environment Management and Monitoring Plan prior to construction. The key indicators for follow-up monitoring under this plan will include upland birds (including migratory birds), waterbirds, raptors, and seabirds including migration and wintering.	8.0
73	The Proponent's monitoring program shall assess and report, on annual basis, the extent of terrestrial habitat loss due to the Project to verify impact predictions and provide updated estimates of the total Project footprint.	5.1
74	The Proponent's Terrestrial Management and Monitoring Plan shall include mitigation measures implemented to prevent the use of water attenuation ponds by waterfowl and waterbirds and monitoring that assesses whether the mitigation measures are working or revised, or further deterrent measures are required.	8.0, 10.0
75	The Proponent shall implement mitigation measures and monitoring programs to limit the attraction of predators and scavengers to Project facilities in the Terrestrial Environmental Management and Monitoring Plan and other plans such as the Landfill and Waste Management Plan as appropriate.	9.1, 9.2, 9.5,10.0
105	The Proponent is strongly encouraged to consider incorporating information obtained from local outfitting and guiding businesses into its Hunter Harvest Survey where possible, and to include these organizations as potential respondents to surveys undertaken.	13.0
118	The Proponent shall include in an updated Terrestrial Wildlife Management and Monitoring Plan, plans for increased caribou monitoring efforts including weekly winter track surveying and summer and fall surveys undertaken on foot twice per month. These results shall be reported to the NIRB with the Proponent's annual reporting requirements. The Proponent shall, in consultation with the Terrestrial Advisory Group or appropriate parties, develop a decision tree outlining mitigation and monitoring steps to be implemented when caribou in specified group sizes are observed within specified distances of the Project's AWAR and waterlines.	TEMMP (Agnico Eagle 2025, Section 1.6, 4.5, 4.6, and 5.1,
119	The Proponent shall include within its updated Terrestrial Wildlife Management and Monitoring Plan, a commitment to establishing deterrents along the all-weather access road (AWAR) at any areas where it is observed that caribou are attracted to the AWAR and their presence may present a risk of collisions with traffic along the AWAR (such as areas where caribou are utilizing the AWAR to facilitate movement, areas where caribou may be licking minerals/road salt from the road, areas where caribou are gathering to avoid insects, etc.). Prior to the waterlines becoming operational, the Proponent shall specify within the TEMMP and/or Spill Contingency Plan measures that will be implemented to prevent caribou from accessing or being exposed to water spilled or otherwise released from the waterlines.	TEMMP (Agnico Eagle 2025a, Section 4.0) and Wildlife Protection and Response Plan (Agnico Eagle 2019)

Table 1: Concordance Table with Nunavut Impact Review Board Project Certificate No. 006 (Amendment 002) Terms and Conditions

Term	Condition	Annual Report Section
132	The Proponent shall, in consultation with the groups listed as Responsible Parties above, and any other parties considered by the Group to be necessary, establish a Terrestrial Advisory Group (TAG). The TAG shall hold its first meeting prior to any construction/installation of the waterlines. The central mandate of the TAG will be to continually review and refine impact management, mitigation, and monitoring details within the Terrestrial Environment Management and Monitoring Plan. The TAG Members will collaborate to share and consider methods, results, and analysis from caribou and terrestrial environment studies and monitoring Inuit Qaujimaningit, Inuit Qaujimajatuqangit, Traditional and Community Knowledge shared by knowledge holders, and other terrestrial environment monitoring data as it becomes available. The Proponent will consider the information shared by the TAG Members for incorporation into the Project's impact management, mitigation, and monitoring measures related to the protection of terrestrial wildlife and wildlife habitat as appropriate. Agnico Eagle shall be responsible for demonstrating how the information shared and considered by the TAG has been incorporated into the Project's impact management, mitigation, and monitoring measures related to the protection of terrestrial wildlife and wildlife habitat as appropriate.	3.0

1.3 Study Area Boundaries

The Local Study Area (LSA) includes a 500-m buffer around the Project footprint and includes a 1,000-m buffer around the AWAR and the Rankin Inlet Bypass Road. The total area of the LSA is 10,598 ha (Figure 1). The Regional Study Area (RSA) encompasses an area that includes a 28-km radius centered around the Project, including Rankin Inlet, for a total area of 246,300 ha (Figure 2). Further details on the justification for study area sizes can be found in the FEIS (Golder 2014) and the TEMMP (Agnico Eagle 2025a).



LEGEND

- MINE FOOTPRINT (2025)
- REGIONAL STUDY AREA (RSA)
- ALL-WEATHER ACCESS ROAD (AWAR)
- RANKIN INLET
- WATERCOURSE
- WATERBODY
- TERRITORIAL PARK



0 5 10
1:250,000 KILOMETRES

REFERENCE(S)
1. MINE FOOTPRINT OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. BASE DATA OBTAINED FROM NATURAL RESOURCES CANADA.
COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
AGNICO EAGLE MINES LIMITED

PROJECT
MELIADINE GOLD PROJECT
NUNAVUT

TITLE
PROJECT REGIONAL STUDY AREA

CONSULTANT

YYYY-MM-DD	2026-03-24
DESIGNED	NM
PREPARED	CDB
REVIEWED	NM
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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1.4 Monitoring Approach

Wildlife monitoring is an essential tool in protecting and maintaining wildlife in the vicinity of the Project. A comprehensive monitoring strategy has been implemented and is adapted to meet the objectives of the management strategy and methods set out in the TEMMP (Agnico Eagle 2025a), as required. Monitoring programs evaluate the effectiveness of mitigation measures and assess Project-related effects predictions. For all wildlife monitoring programs there is a certain level of uncertainty or unpredictability; therefore, residual effects identified during monitoring may require implementation of adaptive management strategies. Outcomes of adaptive management may include increasing, decreasing, or no change to mitigation and/or monitoring, or implementing special studies to further understand Mine-related effects.

To evaluate the accuracy of effects predictions, a series of quantitative monitoring indicators have been developed within the broad categories of habitat distribution, wildlife distribution, wildlife richness, wildlife diversity, wildlife abundance, and environmental health. Previous monitoring was conducted during the construction phase and continued into the operations phase. Some of the objectives below may not be answered at this time or will be addressed qualitatively until more data under operations is obtained.

1.5 Objectives

The primary objectives of this 2025 TEMMP Annual Report include:

- Collecting information that will assist Agnico Eagle to determine if there are effects on the terrestrial environment and if these effects were accurately predicted in the FEIS.
- Reporting the results of the 2025 monitoring programs.
- Summarizing the monitoring strategy implemented over the course of the year.
- Evaluating the function and validity of implemented monitoring strategies.
- Summarizing adaptive management strategies.
- Providing management recommendations for 2026.
- Allowing regulators to contribute advice for improving monitoring and management.

1.6 Report Organization

Within each section of this report, data is presented that will be tracked over the life of the Project. Recommendations for enhancement to the TEMMP are presented at the end of each section for consideration and may be incorporated into the TEMMP for subsequent years. The TEMMP is an evolving plan that will reflect adaptive management, recommendations during previous years, as well as advances in Project development. Changes will be captured in future revisions of the TEMMP, as needed.

2.0 REVIEW OF IMPACT PREDICTIONS

A summary of the impact predictions proposed in the updated TEMMP (Agnico Eagle 2025a) is provided in Table 2. If Project impacts exceed the thresholds, an internal review of mitigation is triggered, and adaptive management is implemented where applicable. The corresponding sections of this TEMMP Annual Report, where monitoring indicators are discussed, are listed.

Table 2: Summary of Predicted Effects, and Accuracy of Impact Predictions

Monitoring Indicator	Proposed Thresholds	Surveyed in 2025?	Exceeded in 2025?	Monitoring Methods	Frequency of Data Collection	Annual Report Section Reference
Vegetation (Wildlife Habitat)						
Habitat Loss	No greater than: Terrestrial – 2,951 ha Aquatic – 515 ha	No	N/A	Aerial photographs, satellite imagery, ground surveys, GIS analysis	Every 3 Years	5.0
Habitat Degradation by Contamination	No effects to plants and plant communities due to dust deposition	Yes	No	Vegetation Metals Monitoring	Every 3 Years	6.0
Habitat Reclamation following Mine Closure	Success is defined as establishment of seeded/planted species and natural vegetation encroachment of native species	No	N/A	Ground Surveys, Vegetation Plots, Mapping	Once pre-construction baseline (2017) and 3 times Post-Closure	N/A
Habitat Degradation by Contamination	No non-native and invasive plant species occurrences in Project area.	Yes	No	Invasive Plant Survey of AWAR	Annually	7.0
Ungulates						
Habitat Loss and Degradation	No greater than 2,951 ha of terrestrial habitat loss	No	N/A	Aerial photographs, satellite imagery, ground surveys, GIS analysis	Every 3 Years	5.0
Sensory Disturbance	<10% caribou deflections from AWAR	Yes	No	Caribou satellite collar data, special studies and caribou behaviour monitoring	Daily / Weekly	5.3, 12.0
Vehicle Collisions	No more than 1 ungulate/year	Yes	No	Wildlife Sightings Log, Site Surveillance Monitoring, AWAR Road Surveillance, Road Surveillance	Daily	9.5
Hunting by Rankin Inlet Residents	TBD after 3 years of data collection, in collaboration with the GN[(b)]	Yes	TBD	Hunter Harvest Study	Collected throughout the year and reported annually	13.0
Other Project-related Mortality	No more than 1 ungulate/year	Yes	No	Wildlife Sightings Log, Site Surveillance Monitoring, AWAR Road Surveillance, Road Surveillance	Daily	9.5
Exposure to Contaminated Water or Vegetation	SLRA – TBD[(a)]	Yes	N/A	Vegetation Metals Monitoring	Every 3 Years	6.0

Table 2: Summary of Predicted Effects, and Accuracy of Impact Predictions

Monitoring Indicator	Proposed Thresholds	Surveyed in 2025?	Exceeded in 2025?	Monitoring Methods	Frequency of Data Collection	Annual Report Section Reference
Furbearers						
Habitat Loss and Degradation	No greater than 2,951 ha of terrestrial habitat loss	No	N/A	Aerial photographs, satellite imagery, ground surveys, GIS analysis	Every 3 Years	5.0
Project-related Mortality	20 Arctic fox/year	Yes	No	Wildlife Sightings Log, Site Surveillance Monitoring, AWAR Road Surveillance, Road Surveillance, Den Surveys	Daily	9.3, 9.5
Raptors						
Habitat Loss and Degradation	No greater than 2,951 ha of terrestrial habitat loss	No	N/A	Aerial photographs, satellite imagery, ground surveys, GIS analysis	Every 3 Years	5.0
Disturbance of Nesting Raptors	To be determined in consultation with GN, related to occupancy and productivity	Yes	No	Active Nest Monitoring	Nests within 200 m – Daily Nests from 200 to 1,000 m – Weekly	8.4, 8.5
Project-related Mortality	No more than 1 raptor/year	Yes	No	Wildlife Sightings Log, Site Surveillance Monitoring, AWAR Road Surveillance, Road Surveillance	Mine Site-Daily AWAR – 2x/Week	9.5
Waterbirds						
Habitat Loss and Degradation	No greater than 515 ha of aquatic habitat	Yes	No	Aerial photographs, satellite imagery, ground surveys, GIS analysis	Every 3 Years	5.0
Disturbance of Nesting Waterfowl	TBD once NRV is established through consultation with ECCC and GN	Yes	N/A	Shoreline Surveys	Annually	9.4
Exposure to Contaminated Water or Vegetation	SLRA – TBD[(a)]	Yes	N/A	Vegetation and Soil Samples	Every 3 Years	6.0
Project-related Mortality	No more than 1 waterbird/year	Yes	No	Wildlife Sightings Log, Site Surveillance Monitoring, AWAR Road Surveillance, Road Surveillance	Mine Site-Daily AWAR – 2x/Week	9.5

Table 2: Summary of Predicted Effects, and Accuracy of Impact Predictions

Monitoring Indicator	Proposed Thresholds	Surveyed in 2025?	Exceeded in 2025?	Monitoring Methods	Frequency of Data Collection	Annual Report Section Reference
Other Breeding Birds						
Habitat Loss and Degradation	No greater than 2,951 ha of terrestrial habitat loss	No	N/A	Aerial photographs, satellite imagery, ground surveys, GIS analysis	Every 3 Years	5.0
Exposure to Contaminated Water or Vegetation	SLRA – TBD[(a)]	Yes	N/A	Vegetation and Soil Samples	Every 3 Years	6.0
Changes in Breeding Bird Populations	TBD once NRV is established through consultation with ECCC	No	N/A	Breeding Bird Plots and Transects, PRISM	Breeding Bird – Every 3 Years PRISM – Plots surveyed over 2 years every 5 Years	8.0

[(a)] Proposed thresholds have yet to be determined. Per the 2025 Vegetation and Soil Monitoring program (Section 6.0), no Mine-related metal exceedances were observed.
[(b)] Proposed thresholds will be established in collaboration with the GN and other relevant parties, such as TAG members.

AWAR = All-Weather Access Road; ECCC = Environment and Climate Change Canada; GN = Government of Nunavut Department of Environment; NRV = Natural Range of Variability; PRISM – Program for Regional and International Shorebird Monitoring; SLRA = Screening Level Risk Assessment; TEMMP = Terrestrial Environment Management and Monitoring Plan (Agnico Eagle 2025a); ha = hectares; m = metres; N/A = not applicable; TBD = to be determined.

3.0 INCORPORATION OF INUIT QAUJIMAJATUQANGIT

In 2021, Agnico Eagle established the Kivalliq Inuit Elders Advisory Committee (KEAC), which is a group that provides invaluable guidance to Nunavummiut and Nunavut operations teams. Comprised of 21 Elders from the communities of Baker Lake, Chesterfield Inlet, Rankin Inlet, Whale Cove, and Arviat, the KEAC keeps local communities informed about Agnico Eagle's mining activities and future plans, and also provides Inuit Qaujimajatuqangit (IQ), a body of Inuit Traditional Knowledge, Inuit Societal Values (ISV), and a set of guiding community principles. Agnico Eagle acknowledges that IQ is continually learned and continues to glean IQ from the KEAC through various conversations related to the Meliadine Mine. 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 IQ, Traditional Knowledge (TK), and western science to mitigation and monitoring programs for caribou movement in the Project area.

In 2025, IQ was collected during 11 meetings, 2 workshops, and seven cultural activities with the KEAC or other knowledge holders, between January and December (Table 3).

Table 3: Inuit Qaujimajatuqangit captured for Meliadine in 2025

Month	Topic	Participants	Venue	Inuit Qaujimajatuqangit
January	Holiday Gathering	▪ KEAC	Rankin Inlet	▪ A special holiday event was organized for the elders that are apart of the KEAC, along with their spouses
February	Public/Employment Information Session	▪ Agnico Eagle ▪ KEAC ▪ Baker Lake Community members	Baker Lake	▪ Open house was held to discuss Sanajiksanut (employment), the environment, and Agnico Eagle as a whole.
February	Caribou Workshop	▪ KEAC ▪ Agnico Eagle	Rankin Inlet	▪ Workshop with an objective to provide an understanding from an Inuit Qaujimajatuqangit perspective the impacts of the Mine on caribou. Discussions around the requirements for additional caribou protection measures related to Inuit Qaujimajatuqangit and sensitive areas for caribou related to Meliadine exploration activities were had.
February	Sealift and Operation Updates	▪ KEAC ▪ Agnico Eagle	Chesterfield Inlet	▪ Agnico Eagle provided a Sealife and Operation Update, including a summary of the 2024 sealift season operations, the Marine Mammal and Seabird Observer program, information on cyanide transportation, a Meadowbank update on caribou migration and mine closure, a Meliadine update on the Water Licence Amendment, caribou migration, the Meliadine expansion, and exploration activities, security measures around the AWAR, and community relations. A presentation was delivered, and questions were answered.
February	Elders Counseling at Meliadine	▪ Rosie Oolooyuk ▪ Agnico Eagle employees	Meliadine Mine	▪ Rosie Oolooyuk provided on-site counselling to local employees, with the meeting held with tea and bannock being served.

Table 3: Inuit Qaujimajatuqangit captured for Meliadine in 2025

Month	Topic	Participants	Venue	Inuit Qaujimajatuqangit
March	International Women's Day	▪ Dr. Levinia Brown ▪ Agnico Eagle employees	Meliadine Mine	▪ Dr. Levinia Brown did storytelling as part of International Women's Day at the Mine. Over 20 Agnico Eagle employees attended the session.
March	KIAC Attending PDAC in Toronto	▪ KEAC ▪ Agnico Eagle	Toronto	▪ KEAC members joined to support and celebrate David Kritterdlik in receiving the Skookum Jim Award. ▪ KEAC members met with Agnico Eagle senior management. ▪ An episode of the Arctic Edge podcast was recorded, with elders sharing their insight and experiences. ▪ KEAC and Agnico Eagle Community Relations team attended a Reconciliation Action Plan session. Agnico Eagle's reconciliation vision focuses on fostering sustainable self-reliance amongst Indigenous Nations through long-term employment, business, education, cultural, environmental, and relationship-building initiatives, supported by ongoing dialogue, internal accountability, and the flexibility to adapt to evolving Indigenous priorities and changing contexts.
May	Archaeological Features Discussion	▪ Agnico Eagle ▪ Rankin Inlet community members	Rankin Inlet	▪ Members of Rankin Inlet were consulted to get feedback on potential archaeological features at Itivia where there will be construction for the waterline nearby. Information was to be shared with an archaeologist prior to official assessment. ▪ According to consulted community members, the feature is not historic.
May	General Introduction with Rankin Inlet Elder Hunter	▪ Rankin Inlet elders ▪ Agnico Eagle	Rankin Inlet	▪ General introduction with a Rankin Inlet elder who provided traditional knowledge and Inuit Qaujimajatuqangit on the Qamanirjuaq herd.
May	Beverely Qamanirjuaq Caribou Management Board Meeting	▪ Agnico Eagle ▪ KEAC ▪ Beverely Qamanirjuaq Caribou Management Board	Rankin Inlet	▪ A general update on the Qamanirjuaq herd health was provided. ▪ The KEAC provided their thoughts on the impacts of the Mine and factors that impact caribou migration.

Table 3: Inuit Qaujimajatuqangit captured for Meliadine in 2025

Month	Topic	Participants	Venue	Inuit Qaujimajatuqangit
June	KEAC – Annual General Meeting	▪ KEAC ▪ Agnico Eagle	Baker Lake	▪ 15 of the 20 members of the KEAC convened to discuss ongoing topics, review relevant studies, share recommendations, and exchange knowledge on Inuit Qaujimajatuqangit. The meeting agenda encompassed a range of topics, including a summary of KEAC activities in 2024 and the Reconciliation Action Plan, the Meadowbank Mine life cycle and social transition strategies, feedback loop on the Rankin Inlet Caribou Workshop for the Mine, the Baker Lake Cabin for Inunnquiniq Project, the Baker Lake Daycare success story, and a Q&A session with Agnico Eagle CEO and Management Team.
July	Inuit Qaujimajatuqangit at Ilitaqsiniq Cabin and Group Dinner	▪ Agnico Eagle ▪ Ilitaqsiniq	Rankin Inlet	▪ A group dinner was held, prepared by Ilitaqsiniq. ▪ Ilitaqsiniq shared knowledge of life on the land and fishing activities.
July	Elders Counseling at Meliadine	▪ Rosie Oolooyuk ▪ Jack Kabvitok ▪ Agnico Eagle employees	Meliadine Mine	▪ Rosie Oolooyuk and Jack Kabvitok provided on-site counselling to local employees.
August	Elders Counseling at Meliadine	▪ Dr. Levinia Brown ▪ Jack Kabvitok ▪ Agnico Eagle employees	Meliadine Mine	▪ Dr. Levinia Brown and Jack Kabvitok provided on-site counselling to local employees, with the meeting held with tea and bannock being served.
September	Elders Counseling at Meliadine	▪ Rosie Oolooyuk ▪ Agnico Eagle employees	Meliadine Mine	▪ Rosie Oolooyuk provided on-site counselling to local employees.
September	Truth and Reconciliation Storytelling	▪ Eddy Bear Sandy ▪ Agnico Eagle employees	Meliadine Mine	▪ Eddy Bear Sandy provided culturally relevant storytelling as part of Truth and Reconciliation Month
October	KEAC Chair and Vice-Chair Meeting	▪ KEAC ▪ Agnico Eagle	Rankin Inlet	▪ Meeting with the KEAC Chair and Vice-Chair to review the Terms of Refere3nces ahead of the KEAC Executive Meeting
October	Elders Counseling at Meliadine	▪ Dr. Levinia Brown ▪ Jack Kabvitok ▪ Agnico Eagle employees	Meliadine Mine	▪ Dr. Levinia Brown and Jack Kabvitok provided on-site counselling to local employees.

Table 3: Inuit Qaujimajatuqangit captured for Meliadine in 2025

Month	Topic	Participants	Venue	Inuit Qaujimajatuqangit
November	Traditional Knowledge and Inuit Qaujimajatuqangit Collection Activity Workshop	▪ Chesterfield Inlet (Aqigiq) HTO ▪ Chesterfield Inlet community members ▪ KEAC ▪ Chesterfield Inlet elders	Chesterfield Inlet	▪ Traditional knowledge and Inuit Qaujimajatuqangit on marine mammals, cabins, hunting, and other local activities in Chesterfield Inlet were shared. ▪ Spatial information was combined and digitized, along with other information that will be shared with operations.
November	KEAC Executive Meeting	▪ KEAC ▪ Agnico Eagle	Rankin Inlet	▪ The annual KEAC Executive Meeting was held with the following items discussed: Meliadine Mine AWAR and KHTO situation, KEAC Terms of Reference Review and Implementation, Community-based Shellfish Monitoring Program and Non-native/Invasive Plant Monitoring update for the Meliadine Mine, elder site counselling, Breakfast Club partnership and events summary, Voices of Nunavut Project, the Meadowbank Complex Social Closure – Feedback Loop on Baker Lake Legacy Wheel, and compliance elements checks and the preferred tailings storage facility cover option for closure for the Meadowbank Complex. Key items specific to the Mine that were brought up by Elders include: ▪ Suggestion to add Marble Island as an area in the Shellfish Monitoring program ▪ Some non-native plant species shown from the non-native species presentation at the Mine have traditional medicinal uses, such as for cleaning after childbirth. ▪ Some plants reappear in the area du to factors like fires and migration of birds from the south ▪ Fish and caribou migration patterns change and that they leave and return based on available food sources and environment so as to allow food sources to replenish. ▪ During migration, if the first group of caribou is hunted, the second group will change route.
December	Elders Counseling at Meliadine	▪ Rosie Oolooyuk ▪ John Tatty ▪ Agnico Eagle employees	Meliadine Mine	▪ Rosie Oolooyuk and John Tatty provided on-site counselling to local employees, with country food served.

AWAR = All-Weather Access Road; KEAC = Kivalliq Elders Advisory Committee; KHTO = Kangiqliniq Hunters and Trappers Organization.

4.0 ENVIRONMENTAL VARIABLES

A summary of climate conditions collected at site in 2025 are presented in Table 4. Data was collected from 1 January to 31 December 2025 through the on-site meteorological station and rain gauges.

Table 4: Climate Conditions Recorded in the Project Area (2025)

Environmental Variable	Value[a]
Temperature (°C)	
Mean Annual Temperature	-8.3
Maximum Annual Temperature	26.8
Minimum Annual Temperature	-39.8
Precipitation (mm)	
Total Annual Precipitation	286.8[b]

[a] Values reported from 1 January to 31 December, collected by Agnico Eagle staff from the on-site weather station.

[b] Measured using Geonor Precipitation Gauge.

°C = Celsius; mm = millimetre.

The maximum annual temperature of 26.8°C was recorded on 9 July 2025 and the minimum annual temperature of -39.8°C was recorded for on 22 January 2025. The mean annual temperature was -8.3°C (Table 4). Total recorded annual precipitation was 286.8 mm, and snowmelt began 25 May 2025 when the average daily air temperature exceeded 0°C. Total precipitation includes both rain and snowfall. The peak green-up date for the RSA was estimated to be between 12 and 28 July 2025, based on normalized difference vegetation indices (NDVI) values averaged across the RSA (obtained from MODIS VI satellite). Environmental variables will continue to be monitored on an ongoing basis.

A multi-year summary of environmental variables is presented in Table 5. Temperature data is available from 2015 onwards, while precipitation data is available from 2019 onwards. Additionally, number of days where temperature exceeded 20°C have been included, as requested by KivIA. These data are summarized in Table 5 and displayed in Figure 3 and Figure 4.

Table 5: Summary of Environmental Variables, 2015-2025

Year	Mean Annual Temperature (°C)[a]	Maximum Annual Temperature (°C)[a]	Minimum Annual Temperature (°C)[a]	Precipitation (mm)[b]	Estimated Date of Snowmelt	Estimated Green-up Date	Days with Temperature Higher than 20°C
2015	-11.0	43.4	-41.9	not reported	31-May-15	not reported	4
2016	-9.3	26.1	-40.8	not reported	04-Jun-16	not reported	15
2017	-9.7	25.8	-43.9	not reported	20-May-17	not reported	15
2018	-11.3	27.5	-46.8	not reported	09-Jun-18	not reported	15
2019	-10.2	21.8	-45.4	344.6	06-Jun-19	not reported	31
2020	-9.7	30.0	-41.8	179.8	07-Jun-20	not reported	25
2021	-8.3	27.4	-39.8	366.2	29-May-21	not reported	16
2022	-9.3	29.1	-39.8	269.5	28-May-22	21-Jun-22	18
2023	-7.8	27.0	-39.8	188.8	08-May-23	26-Jun to 12-Jul-23	25
2024	-6.9	30.0	-42.4	382.5	24-May-24	20-Jun-24	15
2025	-8.3	26.8	-39.8	286.8	25-May-25	12-Jul to 28-Jul-25	12

[a] °C = degrees Celsius.

[b] mm = millimetres

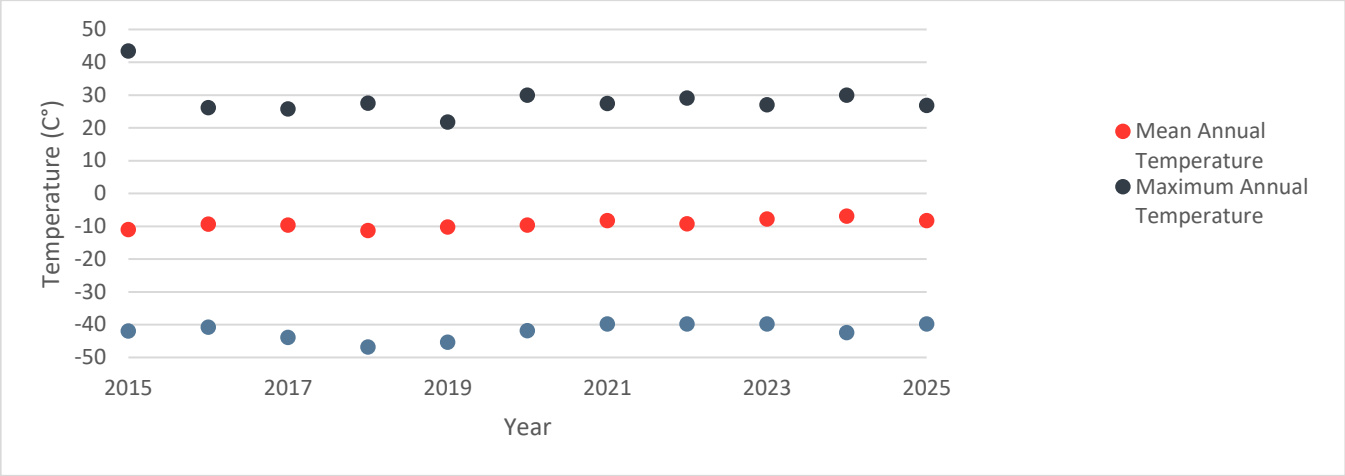


Figure 3: Summary of Annual Minimum, Maximum, and Average Temperatures, 2015-2025

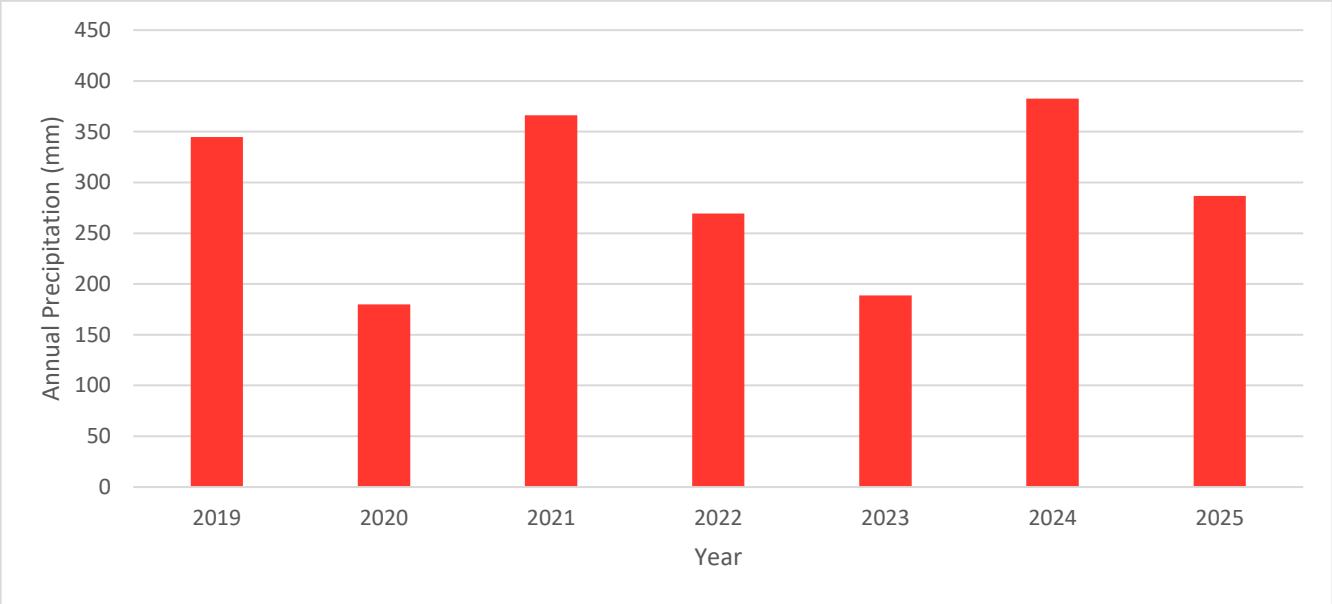


Figure 4: Summary of Annual Precipitation, 2019-2025[1]

[1] Precipitation values not available from 2015-2018.

5.0 HABITAT LOSS

5.1 Direct Habitat Loss

The vegetation component of the TEMMP (Agnico Eagle 2025a) outlines how Agnico Eagle plans to reduce Project-related effects to vegetation populations and communities and, consequently, wildlife habitat. The monitoring plan includes both environmental and follow-up monitoring. The objective of this component of the TEMMP Annual Report is to determine if direct vegetation/habitat loss due to the Project footprint stays within impact prediction of 2,951 ha (Golder 2014).

The Project footprint disturbance to habitat was last reported in the 2024 TEMMP Annual Report (Agnico Eagle 2025b). As of January 2024, a total area of 696 ha has been altered due to Project construction, representing 41% of the 2012 Project Approved footprint (1,682 ha) and 24% of the predicted Project footprint (2,951 ha; Golder 2014). The footprint that was analyzed included all developments being completed as part of the construction phase. Construction of the waterlines that runs parallel with the AWAR is ongoing. As such, any disturbance relating to this activity, if any, has yet to be accounted in the Project footprint and will be captured following the next scheduled analysis following completion of the waterline construction. However, the design of the waterlines includes placement within the right-of-way of the AWAR, so is unlikely to result in direct disturbance of vegetation.

Follow-up monitoring occurs at three-year intervals, with the next scheduled for 2027. The follow-up monitoring is used to provide feedback to Mine operations to determine if the goals and objectives are being met. Depending on the results, actions may be considered such as modifying and/or implementing additional mitigation.

5.2 Accuracy of Impact Predictions

Terrestrial and aquatic habitat loss is currently below predicted levels. Effects to plant health from dust deposition were assessed in 2025 and reported on in Section 6.0. Plant health related to dust deposition is assessed at 3-year intervals from baseline (2017) as per the TEMMP (Agnico Eagle 2025a). The second assessment occurred in 2019 to align with the first year of construction, while the third assessment occurred in 2022. Following results presented in this report, the next scheduled assessment is 2028.

5.3 Indirect Habitat Loss

Indirect effects to wildlife are associated with changes in habitat that can alter the movement and behaviour of individuals in the vicinity of the Project as a result of sensory disturbance (e.g., lights, sounds, dust, presence of people). Indirect effects are addressed through several of the monitoring programs per the TEMMP.

Caribou behaviour monitoring is presented in Section 12.1. Across all years studied (i.e., 2020 to 2025), caribou groups tended to show greater non-response behaviours (i.e., feeding, lying down, standing) when in larger groups or when greater than 300 m of a road (ERM 2026a). Further, collar data analyzed in 2023 as part of the Commitment 38 Analysis indicated that 1% of collared caribou deflected close to the Mine/AWAR, which is below the action threshold of 10% in the TEMMP (Agnico Eagle 2022b; WSP 2025a). The Commitment 38 Analysis is discussed in more detail in 12.0.

In 2024, a detailed analysis comparing noise emissions during different levels of operations (due to adaptive activity mitigation), caribou hearing thresholds and the influence of environmental factors was completed. The results indicate that the Mine is located in a windy environment, with moderate (8.2 to 21.6 km/h) and high (21.6 to 32.4 km/h) present 86% of the time. At these wind conditions, caribou must be within 3.5 km to hear Mine-related noise. This distance is deemed to be conservative as it assumes caribou are downwind from sources

of noise, rather than crosswind or upwind, which would likely reduce audibility. Additionally, the analysis was based on the hearing of the most sensitive caribou (i.e., most conservative), which assumes all caribou have the same hearing sensitivity as the most sensitive individual where in reality a wide range of hearing sensitivity has been demonstrated (Perra et al. 2022). Finally, maximum distances are associated with where Mine-related noise is audible, which is different from distances where noise-related disturbance occurs. The sound level that results in disturbance of caribou is likely higher than the detection threshold.

Visual inspections of dust accumulation are completed by Agnico Eagle weekly at the Mine and twice a week along the AWAR. Results of these surveys indicated that dust fall was similar to that of previous years. Per the FEIS (Golder 2014), dust generation from Project vehicles along the AWAR and Mine roads is expected but loads to overall dust accumulation in the area were considered negligible.

Indirect Project effects are assessed through soils and vegetation monitoring every three years, to align sampling years with the first year of construction in 2017. Soil and vegetation monitoring has since been completed in 2019, 2022, and in 2025. The next full assessment is scheduled for 2028. As summarized in Section 6.0, there is no evidence to date indicating that Mine-related activities have contributed to metal concentration threshold exceedances or decreases in plant distribution and vigour, thereby decreasing the quality of wildlife habitat.

6.0 SOIL AND VEGETATION MONITORING

The scope of the landscape component of the TEMMP Annual Report is to report on levels of metals in berry-producing plants, sedges, lichen and soil chemistry potentially affected by the Mine. Soil and vegetation monitoring was first conducted in 2017 to inform the baseline conditions. Monitoring is completed on a three-year interval, first initiated in 2019 (first year of operations), with subsequent programs occurring in 2022 (Agnico Eagle 2023) and 2025. This section provides the results for soil and vegetation monitoring completed in 2025 by ERM Consultants Canada Ltd. (ERM; 2026). The full report can be found in Appendix A.

Local vegetation cover is predominantly characterized by heath tundra and lichen-heath communities. Low-lying areas between the drumlins and eskers are dominated by sedge wetlands, shallow ponds and various shallow and deep-water lakes. The main change from the Mine on the landscape is direct disturbance, which will be a long-term effect as the recovery of vegetation is slow in Arctic environments (Burt 1997).

The objectives of this component of the TEMMP Annual Report are:

- To monitor levels of metals in soils collected at the Mine site, AWAR, and Reference Areas (10 km from the site infrastructure).
- To monitor levels of metals in lichen tissue and vascular plants within the Mine site, AWAR, and Reference Areas (10 km from the site infrastructure).

Lichens were chosen because they are estimated to account for 87 to 90% of the diet for caribou (Thomas 1998). Lichens can also effectively and preferentially bioaccumulate airborne contaminants because of their lack of roots, large surface area, long life span, and high ion exchange capacity (Naeth and Wilkinson 2006). This allows lichens to provide “worst-case” exposure concentrations for assessment of risks to caribou.

Berry-producing plants were included in the assessment because human consumption of berries in the Project infrastructure and AWAR was raised as a concern by local communities.

6.1 Methods

6.1.1 Sampling Locations

A total of seven transects were established, five of which radiated outwards from the Mine footprint, and the remaining two from the AWAR. Each transect was 10 km in length, with eight sampling sites established at regular intervals measured from the Project footprint (50 m, 100 m, 250 m, 500 m, 1,000 m, 2,000 m, 5,000 m, and 10,000 m) to assess spatial trends in effects. Due to the presence of a large waterbody, one transect excluded sampling 1,000 m from the footprint, resulting in a total of 55 sampling locations.

Sampling from 50 m to 500 m represents the extent where predicted effects from dust are likely to occur (Golder 2014), while those at 1,000 m to 2,000 m were established to test if effects went beyond those predicted distances. The 5,000 m sampling locations were established as this was the distance from the Mine within which all identified sensitive receptors from the FEIS are located, while the 10,000 m locations represented reference sites based on previous monitoring (ERM 2026b).

6.1.2 Sampling

Composite sampling to test for metals content was completed within a 5 m radius at each sampling location. This consisted of sampling soil, berry-producing plants, lichen, and snow chemistry. For soil sampling, composite samples of equal volume from three soil pits within a 5 m radius were taken, with a minimum total sample weight of 125 grams (g) being taken from a maximum depth of 20 centimetres (cm).

Vegetation sampling consisted of taking a minimum of 2 g of each vegetation tissue type from berry-producing plants and lichen. Leaves were collected at each location from multiple plants, while berries were collected opportunistically when available. Similarly, lichen samples were collected where available.

Snow core sampling was completed by Agnico Eagle staff in April 2025. Sampling involved the establishment of a 20 m transect at each sampling location, with three equidistant points along the transect. Three snow cores were collected at each point (i.e., nine samples per transect) and combined for a composite sample.

Additional information for sampling methods is included in Appendix A.

6.1.3 Vegetation Abundance and Distribution

Abundance and distribution of vegetation were also surveyed for at each sampling location. Surveys consisted of establishing 1 m^2 quadrats, where plant vigour and percent cover of major substrates (i.e., lichen, vascular plants, bare soil, rock) were recorded. Percent cover was completed by the same field member to avoid interobserver bias. Vigour was estimated by applying a vigour code, which ranged from 0 (dead) to 4 (healthy).

Additional information for abundance and distribution estimation methods is included in Appendix A.

6.1.4 Analytical Methods

All samples were shipped in coolers to BV Labs Ottawa for analysis. Each sample was tested for 12 key metals, with the exception of snow samples, which were tested for 11 metals with boron being excluded. Methods for laboratory metals analysis is included in Appendix A, along with all laboratory data.

6.1.5 Statistical Methods

Two trends were assessed using the 2025 metal concentration data:

1) Changes in metal concentrations with distance from the Mine site and AWAR; and

2) Relationships among environmental media (i.e., sample types).

Regression models were used to assess spatial and temporal changes in metal concentrations, with separate models developed for each combination of sample type and key metal. All models included distance from the Mine site, distance from the AWAR, and wind position relative to the Mine (i.e., upwind or downwind) as independent variables, along with an interaction effect between distance from the Mine and distance from the AWAR. Regression models were also developed to assess potential changes in metal concentrations across environmental media to better understand potential for metal update from soil or snow into leaves, berries, or lichen.

Vegetation abundance and vigour were assessed qualitatively by presenting mean values at each transect distance interval. Future monitoring programs will include regression modelling using these data to assess potential temporal and spatial changes.

Additional information on statistical methods is included in Appendix A.

6.2 Results

The following sections provide a summary of the results of the 2025 Soil and Vegetation Monitoring Report (ERM 2026b). More detailed information on these results, along with associated survey and laboratory data, are available in Appendix A.

6.2.1 Metal Concentration Exceedances and Relationships

A total of 48 composite berry samples, 55 composite leaf samples, 54 composite lichen samples, 53 composite snow samples, and 55 composite soil samples were collected. Analytical results were compared to concentration thresholds outlined in the Canadian Council of Ministers of the Environment (CCME) guidelines and data-derived background threshold values (BTVs). Methods for establishing BTVs are outlined in Appendix A. Seven metals were found to be above concentration thresholds in 18 of 55 soil samples, with copper having the greatest number of exceedances (n=7). Despite these exceedances, concentration levels were comparable to historical conditions (Agnico Eagle 2018, 2020, 2023) and are aligned with results presented in the FEIS (Golder 2014). This indicates exceedances are likely due to existing areas of naturally occurring elevated metal concentrations within and adjacent to the Mine, rather than being the result of Mine-related activities.

Modelled results showed no significant negative or positive relationships between most metal concentrations in soil, leaves, and berries and distance from the Mine or AWAR, with a few exceptions. Among these exceptions, regression models indicated both positive and negative relationships. Negative relationships were more common, with concentrations of arsenic, nickel, and zinc in soil and concentrations of arsenic, barium, and nickel in leaves decreasing as distance from Mine and AWAR increased. Conversely, some relationships indicated consistent metal concentrations across distance. Significant negative relationships were shown for lichen metal concentrations for arsenic, cobalt, and lead and distance from the Mine, lichen metal concentrations for arsenic, chromium, and lead and distance from the AWAR, lichen metal concentrations for molybdenum and distance from the combined interaction of the Mine and AWAR, and snow metal concentrations for arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, and zinc with distance from the combined interaction of the Mine and AWAR. Despite these relationships, none of these concentrations exceeded CCME guideline or BTV thresholds (ERM 2026b).

Five models developed to assess metal concentrations among environmental media resulted in regression models with significant effects and sufficient goodness-of-fit. Four of these models indicated positive relationships between concentrations of arsenic, lead, and molybdenum in leaves or lichen and higher concentrations of these metals in soil or snow. Conversely, one model indicated that arsenic concentrations decreased in berry samples with increasing concentrations in snow. The 2025 findings indicated that where metal concentrations increased in tandem across environmental media, concentrations were generally lower in plant materials than in soil or snow. As such, bioaccumulation of metals to plants is occurring at a ratio of less than 1 to 1 (ERM 2026b).

6.2.2 Vegetation Distribution and Abundance

Percent cover varied across sampling locations for each functional group. The minimum and maximum mean percent cover for each functional group is as follows:

- Forbs: 0.9% to 6.1%
- Grasses: 3.7% to 28.6%
- Moss/ lichen: 23.7% to 48.1%
- Shrubs: 27.9% to 49.1%
- Rock/ bare ground: 0.9% to 15.5%

Median plant vigour scores for each functional group were calculated for each sampling location distance. Median scores were either 3 (loss of vigour) or 4 (healthy), with no apparent relationship between vigour scores and distance from the Mine or AWAR.

6.3 Accuracy of Impact Predictions

Soil and vegetation monitoring was completed in 2025. A summary of the impact predictions in the TEMMP (Agnico Eagle 2025a) is provided in Table 2. Specific thresholds for vegetation and wildlife habitat monitoring are outlined in Table 6.

Table 6: Accuracy of Impact Predictions - Vegetation

Monitoring Indicators	Threshold	Exceeded in 2025?	Adaptive Management	Monitoring Method	TEMMP* Section
Wildlife Habitat Loss	Terrestrial – 2,951 ha Aquatic – 515 ha	N/A	Not currently identified	Ground Surveys, Mapping, GIS Analysis	5.0
Habitat Degradation by Contamination	No effects to plant health from dust deposition	No	Not currently identified	Vegetation and Soil Samples	6.0
Habitat Reclamation Following Mine Closure	Not applicable	N/A	Not currently identified	Ground Surveys, Vegetation Plots, Mapping	5.0

TEMMP = Terrestrial Environment Management and Monitoring Plan (Agnico Eagle 2025a).

6.4 Recommendations

Results from the 2025 soil and vegetation health monitoring indicated that soil characteristics and vegetation health remain comparable to baseline conditions. Occurrences of metal concentrations above thresholds are present; however, are likely because of naturally occurring elevated metal concentrations in the environment rather than the result of Mine-related activities.

The next surveys are scheduled to be completed in 2028. Indications of vegetation stress, poor vigour, or plant die-back that are not related to natural causes (e.g., disease, pest damage, etc.) will be documented if they are observed during the annual non-native plant species surveys. If it appears that the vegetation stress may be caused by dust, soil and vegetation sampling may be implemented prior to the 3-year sampling period, as required, to determine whether changes in the growth media is influencing plant health and/or establishment.

7.0 NON-NATIVE PLANT SURVEYS

The spread of non-native species across the landscape is a concern for the Inuit. Construction equipment and operation activities can result in the introduction of, or spread of, non-native vegetation species. Thus, Project Certificate No. 006 includes T&C 36 and 37 to prevent and minimize the introduction of non-native plants during pre-construction, construction, operations, temporary closure and maintenance, closure, and post-closure. Pre-construction surveys were completed during the baseline studies completed during 1998, 2008, and 2009 surveys (Volume 6, SD 6-5; Golder 2014).

This section includes the methods, results, and mitigation measures to minimize the spread of non-native invasive plant species resulting from Mine activities. The GN and ECCC define a non-native species as ‘an organism that is not normally found in a region’ (CESCC 2010). Additionally, according to Section 91 of *The Wildlife Act*, Statutes of Nunavut (SNU) 2003, c 26, invasive species shall not be released into a habitat in which that species does not belong or never naturally occurred. Any introductions of non-native plant species must be promptly reported to the GN DoE. Non-native plant monitoring surveys occurred in 2018 prior to Mine operations initiation and in 2019, when Mine operations commenced.

7.1 Methods

Non-native plant surveys were completed along the length of the AWAR from 22 July and 5 August 2025 and included the Mine site, AWAR, active and inactive borrow pits, Itivia shipping area, and Pump Road (ERM 2026b). A grid-based method was used for comprehensive coverage, which consisted of infrastructure survey cells and road survey cells. Infrastructure survey cells were surveyed using 50 m by 50 m grid cell sampling units, while elongated 250 m by 30 m grid cell sampling units were used along roads. Surveys consisted of foot-based transects or rapid road-side surveys. Foot-based transects were completed with surveyors walking an ‘S’-shaped search pattern. Rapid road-side surveys including scanning areas adjacent to roads from a vehicle travelling at approximately 5 km/h. Data collection was completed using ArcGIS Field Maps and Survey123. Survey123 forms were informed by Invasives BC (formally Invasive Alien Plant Program [IAPP]) standard data fields and included the following fields:

- Species and location
- Abundance (i.e., percent cover) in grid cell
- Distribution in grid cell
- Density per patch
- Life stage/phenology

Non-native plant surveys are described in greater detail in Appendix B.

7.2 Results

A total of 2,835 infrastructure and road cells were surveyed in 2025, with no non-native invasive species detected (ERM 2026b). Additional details are provided in Appendix B.

7.3 Mitigation

The 2026 survey was the eighth consecutive year of non-native species monitoring for Meliadine since operations commenced.

The early detection of non-native invasive plant species is important, as preventing these species from becoming established is the most effective mitigation that can be employed. Invasive plants identified as a concern by the GN DoE will be reported to the GN, including location of the species (i.e., global positioning system [GPS] coordinates and map), species identification and photographs of the species in question.

In addition, to further mitigate the risk of non-native invasive species introduction, the following measures have been implemented by Agnico Eagle during Project operation, per the TEMMP (Agnico Eagle 2025a):

- Where possible, utilize existing access trails and roads.
- Limit the width of access roads and the size of workspaces.
- Inspect and clean new equipment arriving to site from the ship loading area prior to entering the Project area. Shipping inspection sheets from 2025 are provided in Appendix C.
- Complete non-native invasive plant monitoring surveys every year during operations to identify problem areas. Surveys should be targeted for areas with a high potential of occurrence such as along the AWAR, Project footprint, and ship loading areas.

7.4 Accuracy of Impact Predictions

No non-native invasive plant species occurrences were observed in the Project area. A summary of the effects predictions proposed in the TEMMP (Agnico Eagle 2025a) is provided in Table 7. Specific thresholds for vegetation monitoring are outlined in Table 7.

Table 7: Accuracy of Effects Predictions – Vegetation

Monitoring Indicators	Threshold	Exceeded in 2025?	Adaptive Management	Monitoring Method	TEMMP* Section
Habitat Degradation by Contamination	No non-native invasive plant species established	No	See Section 7.3	Non-native invasive Plant Survey of AWAR and Project site	7.0
Habitat Reclamation following Project Closure	N/A	N/A	Not Currently Identified	Ground Surveys, Vegetation Plots, Mapping	5.0

TEMMP = Terrestrial Environment Management and Monitoring Plan (Agnico Eagle 2025a), AWAR = All-weather Access Road.

7.5 Recommendations

The Canadian Endangered Species Conservation Council (CESCC; 2010; Appendix D) has developed posters that show non-native species and invasive species in Nunavut. These should be displayed at the Mine site and incorporated into on-boarding materials. If any non-native and invasive species are incidentally observed on site, they should be eradicated through mechanical control such as hand pulling, as practical for the terrain on site. If hand pulling with a shovel, the plant material should be collected in bags and disposed of at an offsite location. A vegetation ecologist should be consulted prior to removal. Chemical herbicide treatments are not recommended to be used at this point as the native vegetation/habits in the tundra are very sensitive to impacts.

8.0 BIRDS

Three survey methods were employed in 2025 for monitoring waterfowl, waterbirds and upland birds: shoreline surveys, PRISM surveys and pre-clearance surveys. The following sections are a summary of the 2025 Shoreline Waterbird Surveys and PRISM Plot Summary Report (Appendix E; Nunavut Environmental 2026a). The Arctic Raptors Nest Monitoring Program is described in Section 8.4 with the full report provided in Appendix F.

8.1 Shoreline Surveys

8.1.1 Methods

The shorelines of all waterbodies within 200 m of the Project were surveyed by two observers, on foot, to locate and identify nesting waterbirds. Observers walked along the edge of each waterbody. Specifically, one observer walked 5 m from the water's edge while the second observer walked 15 m from the water's edge. If a nest was found, nest stage (e.g., egg laying, incubating, nestlings etc.) and nest productivity (i.e., the number of offspring) were recorded. If a nesting bird showed signs of distress, the nest was not approached to avoid nest abandonment. Shoreline survey methods are described in greater detail in the TEMMP (Agnico Eagle 2025a) and the 2025 Bird Survey Report (Appendix E).

8.1.2 Results

Shorelines were surveyed from June 24 to July 6, 2025. Appendix E presents additional information on survey timing and weather conditions, as well as survey results by location.

A total of 23 documented or potential nests of 8 bird species were observed within 200 m of the Mine and AWAR while conducting shoreline surveys in 2025. Of these 23 nests, 22 were from the ten most encountered species, summarized in Table 8. The number of young (e.g., eggs or juveniles) could be determined for 7 of the 22 nests, totalling 28 young (Table 8). An additional tundra swan (*Cygnus columbianus*) nest with three juveniles was also detected.

A total of 31 bird species, of which 16 species were waterbirds, were recorded during 2025 waterbird shoreline surveys (Appendix E). The top three most encountered waterbird species were Canada goose (*Branta canadensis*), least sandpiper (*Calidris minutilla*), and semipalmated plover (*Charadrius semipalmatus*). All observations of birds and nests made during shoreline surveys are presented in Appendix E.

Table 8: Summary of Nests and Young (Eggs or Juveniles) Observed during Shoreline Surveys, 2018 to 2021 and 2023 to 2025

Common Name	Scientific Name	2018		2019		2020		2021		2023		2024		2025	
		Young[a]	Nests	Young[a]	Nests	Young[a]	Nests	Young[a]	Nests	Young[a]	Nests	Young[a]	Nests	Young[a]	Nests
American pipit	*Anthus rubescens*	0	0	0	0	0	0	13	2	5	2	0	0	5	2
Cackling goose	*Branta hutchinsii*	4	3	18	4	6	2	48	16	0	0	0	0	0	0
Canada goose	*Branta canadensis*	18	16	39	14	14	6	25	6	11	4	16	18	8	3
Cackling/Canada goose[b]	*Branta* spp.	0	0	0	0	0	0	Unid. [b]	2	0	0	0	0	0	0
Greater scaup	*Aythya marila*	0	0	0	0	0	0	0	0	0	0	7	1	0	0
Greater white-fronted goose	*Anser albifrons*	0	0	3	1	0	0	0	0	0	0	0	0	0	0
Herring gull	*Larus argentatus*	0	0	0	1	0	0	0	0	Unid.[b]	4	Unid.[b]	3	Unid.[b]	3
Horned lark	*Eremophilia alpestris*	4	1	0	0	3	1	0	0	0	0	5	1	0	0
Lapland longspur	*Calcarius lapponicus*	2	4	5	1	4	1	9	3	Unid.[b]	1	0	0	2	5
Least sandpiper	*Calidris minutilla*	0	2	0	0	4	2	16	4	2	8	4	4	0	0
Long-tailed duck	*Clangula hyemalis*	0	0	0	0	0	0	Unid.[b]	1	8	1	0	0	0	0
Northern pintail	*Anas acuta*	0	0	0	0	0	0	8	1	0	0	0	0	0	0
Pacific loon	*Gavia pacifica*	0	0	0	0	0	0	2	1	0	0	0	0	0	0
Peregrine falcon	*Falco peregrinus*	0	2	0	1	0	0	0	0	0	0	0	0	0	0
Sandhill crane	*Antigone canadensis*	0	0	2	2	0	0	Unid.[b]	1	1	2	4	2	1	2
Savannah sparrow	*Passerculus sandwichensis*	0	0	0	0	11	2	0	0	Unid.[b]	2	0	0	Unid.[b]	1
Semipalmated plover	*Charadrius semipalmatus*	0	0	4	1	0	1	32	8	4	5	4	4	15	4
Tundra swan	*Cygnus columbianus*	2	1	0	0	0	0	0	0	6	3	0	0	3	1
Willow ptarmigan	*Lagopus lagopus*	0	5	1	1	0	0	0	0	0	0	0	0	0	0
Total		**30**	**34 (20)[c]**	**72**	**26 (20)[c]**	**35**	**15 (13)[c]**	**121**	**45 (40)[c]**	**37**	**31 (9)[c]**	**40**	**33 (10) [c]**	**32**	**23 (8)[c]**

[a] Eggs, nestlings, or fledglings were counted to observers' best ability while minimizing disturbance to nests.

[b] Used when nest inaccessible (i.e., on island in waterbody) and identification could not be confirmed; Unid. = Unidentifiable.

[c] Number in parentheses refers to the number of nests for which an egg count could be determined.

8.2 Point Count Surveys

Per the TEMMP, point counts are completed every three years, with previous surveys being completed in 2018, 2019, 2020, and 2021, and 2024. Point counts were not completed in 2025, with the next survey scheduled for 2027.

8.3 PRISM

The PRISM is a standardized method for monitoring shorebirds in the Canadian Arctic (Bart et al. 2005). PRISM surveys are designed to document population numbers of Arctic breeding shorebirds, describe the distribution and habitat associations of shorebirds, and monitor trends in population size (Bart et al. 2005). The PRISM surveys conducted as part of monitoring for the Project will contribute to regional knowledge in an effort to set population targets and assist with management and conservation of these species (EC 2012). All PRISM data are submitted to ECCC for inclusion in their regional database.

As per recommendations from ECCC, Agnico Eagle has committed to completing PRISM surveys over 2 years, every 5 years (Agnico Eagle 2025a). A total of 16 plots were chosen by ECCC at the Meliadine Mine. A total of 10 plots were surveyed by Golder (now WSP) in June 2018, and 16 plots were surveyed in June 2019. Due to significant road closures during post-calving caribou migration between 15 and 30 June 2023, one PRISM plot was completed in 2023. This survey was discarded given the limited amount of plot data collected. In 2024, 24 plots were surveyed by Nunavut Environmental Consulting Ltd. (Nunavut Environmental).

The following provides a summary of 2025 surveys, with additional information provided in Appendix E.

8.3.1 Methods

In 2025, five plots were surveyed by Nunavut Environmental on behalf of Agnico Eagle, including four plots previously surveyed in 2024. Pre-determined plots initially developed by ECCC were surveyed. Survey effort was limited by post-calving caribou migration.

At each plot, field personnel walked transects spaced 25 m apart and used GPS geolocation to orient along transect lines. Field personnel documented all birds (i.e., absolute abundance) occurring within the plot, as well as breeding status and habitat conditions.

8.3.2 Results

A total of 15 bird species were observed, with horned lark being the most common species observed. No evidence of nesting was observed during surveys in 2025. Additional information on the results of the PRISM survey can be found in Appendix E.

8.4 Arctic Raptors Nest Monitoring Program

The following is a summary of the 2025 Arctic Raptors Nest Monitoring Program, completed by Environmental Dynamics Inc. (EDI; Appendix F; EDI 2026). The Arctic Raptors Nest Monitoring Program is designed to address the following monitoring indicators for nesting raptors as outlined in the TEMMP (Agnico Eagle 2025a):

- Monitoring Indicator 1; Disturbance of nesting raptors — To be determined in consultation with GN related to occupancy and productivity.
- Monitoring Indicator 2; Projected-related mortality — No more than 1 raptor per year.

The TEMMP requires the protection of species at risk during the breeding season (T&C 59 and 60) and requires that disturbance to birds is minimized through consistent monitoring (T&C 59, 71, and 72), including nest-specific mitigation where necessary (T&C 61 and 62). Peregrine falcons (*Falco peregrinus*) were assessed by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) in November of 2017 and were ranked "Not at Risk". The responsible Minister rendered a decision on the recommendation made by COSEWIC, and peregrine falcons are no longer considered to be threatened. This report meets the T&Cs outlined by NIRB by documenting and mapping raptor nesting sites within 1.5 km of the Project infrastructure, including minimum "no disturbance" or activity setback buffers.

8.4.1 Methods

Two structured surveys were conducted in 2025. The focus of these surveys was to search known nesting sites for the presence of cliff-nesting raptors. In addition to the structured surveys, favourable habitat was searched opportunistically when ferrying between known sites, camps, or other Mine infrastructure and when raptors or signs of site use (e.g., whitewash, orange-colored lichen, and unused nests) were observed. Sites were considered occupied if one or more adults displayed territorial or reproductive behaviour (e.g., vocalization and/or flight behaviour associated with defense of breeding territory or presence of nest building, nest, or eggs). Locations with partially built or unused nests without detection of breeding aged adults were noted as such (e.g., old stick nest; no birds detected). Raptor monitoring in 2025 involved two survey rounds completed from 30 May to 4 June, and 7 to 14 August. Both survey rounds were completed via helicopter.

In any given year, the status of a nesting site is limited to one of only two outcomes: occupied or not occupied. Although estimation of nesting site occupancy can serve as a metric of population status, detection of nesting pairs is imperfect, and estimating the proportion of occupied sites without accounting for detection error can lead to underestimation of true occupancy. Occupancy modelling estimates parameters that influence occupancy and simultaneously accounts for imperfect detection (i.e., missed occupancy). Occupancy modelling was not completed in 2025 but will be completed following 2026 surveys and include analysis of recent (i.e., 2025 and 2026) and historical (i.e., 2015-2023) datasets (Appendix F).

8.4.2 Results

Monitoring for breeding raptors has occurred consistently in the area associated with the Meliadine Project infrastructure for decades. Surveys have focused on searching for, documenting, and mapping nesting sites for three raptor species (i.e., peregrine falcons, rough-legged hawks, and gyrfalcons). The study design included two surveys: one to assess the location of occupied territories during the pre-incubation and incubation periods, and one to assess site productivity during the late brood rearing period.

Throughout the Rankin Inlet region surveyed by Arctic Raptors and EDI, nesting raptors have been detected at 275 nesting sites between 1980 to 2025. In 2025, 228 nest sites were surveyed, 203 of which were identified during previous surveys completed by Arctic Raptors and the remaining 25 newly identified nests. These nests sites have been historically occupied or occupied in 2025 primarily by peregrine falcon (n=68) and rough-legged hawk (n=127). The remaining nests include peregrine falcon/rough-legged hawk (n=16), common raven (n=5), snowy owl (*Bubo scandiacus*; n=1), short-eared owl (*Asio flammeus*; n=1), and unknown (n=10).

Of the 228 nest sites surveyed, 52 were occupied by raptors, 149 were not occupied, and 27 had an undetermined occupancy status. Occupied nests were comprised of peregrine falcon (n=30), rough-legged hawk (n=19), and common raven (n=3). Of the 52 nests determined to be occupied during the 2025 breeding season, 15 were identified to be successful while the success of the remaining 37 could not be determined due to a lack of evidence (e.g., presence of adults, nestlings, eggshells). These nests may have successfully fledged, abandoned, or been predated (Appendix F).

8.5 Pre-Clearance Surveys

The following is a summary of the 2025 pre-clearance surveys, completed by Agnico Eagle Environmental staff and consultants (Appendix E; Nunavut Environmental 2026a). Pre-clearance surveys are conducted during the active bird breeding window to determine if any active nests will be disturbed by proposed activities. Observers survey the entire proposed clearance area and document all bird activity, including nesting activity.

8.5.1 Methods

Pre-clearance surveys coincided with the breeding season (i.e., 15 May to 15 August), with surveys occurring between 23 May and 3 August 2025. Proposed construction areas were surveyed at least four days before any disturbance (e.g., construction or borrow pit activity). Surveys were conducted during fair weather (i.e., not raining, low winds, and temperatures above 5°C). A minimum of two people walked straight-line transects through each proposed construction area, spaced by a maximum of 10 m. An additional 30 m on all sides of the proposed construction area was also surveyed to account for potential indirect disturbance to nesting birds resulting from construction activities. In areas with ponds and lakes, circular transects spaced by a maximum of 25 m were completed. Locations and photos were taken when a nest was found, when feasible.

8.5.2 Results

A total of seven pre-clearance bird nest surveys were completed in 2025. Two nests were identified during these surveys (Table 9) while an additional eleven bird nests were identified incidentally during regular environmental monitoring activities. The 11 bird nests recorded incidentally, including associated mitigation, are summarized in Section 9.4. The two nests recorded during bird nest surveys did not require mitigation as they were located far enough from Mine activities where disturbance was not anticipated.

Table 9: Bird Nesting Activity and Nests Identified during Pre-Clearance Surveys in 2025

Date First Recorded	Bird Species	Details and Mitigation Actions Taken
4 July 2025	White-crowned sparrow	Nest observed north of CP1. No mitigation required.
4 July 2025	White-crowned sparrow	Nest observed under the EWTP discharge line. No mitigation required.

8.6 Recommendations

In 2026, PRISM plots surveys, waterbird shoreline surveys, and pre-clearance bird nest surveys will continue during the summer, subject to environmental constraints including severe weather and caribou movements. Bird point counts are completed every three years, with the next survey scheduled for 2027.

Previous analyses completed for the Arctic Raptors Research Program (Agnico Eagle 2025b; Arctic Raptors Inc. 2025) indicated no measurable effect of distance to disturbance on occupancy, which is consistent with studies elsewhere in the Arctic (Coulton et al. 2013). The potential of detecting Mine-related anthropogenic disturbance

will be challenging in light of the presence of roads, trails, cabins, travel routes and activities on the sea/sea-ice and lake ice associated with the community of Rankin Inlet. Multi-year surveys conducted at the scale of the RSA were recommended in 2022, and the 2023 to 2025 program satisfies this recommendation.

No statistical analyses of the 2025 or multi-year dataset was completed to estimate occupancy, which can serve as a metric of population status. Such analyses will be completed following the 2026 Arctic Raptors Nest Monitoring Program and be included in the 2026 TEMMP report. Population trends between 2022 and 2024 for both focal raptor species suggest a decline in occupancy (Agnico Eagle 2025b; Arctic Raptors Inc. 2025); however, this finding should be interpreted with caution until additional years can be considered. Given that no evidence of an effect of distance to disturbance on occupancy was found, and assuming that the apparent decline is real, other causes for raptor decline should be considered. A potential mechanism is Highly Pathogenic Avian Influenza, which spiked in 2022; therefore, it is recommended that any found-dead raptors be submitted for disease testing.

9.0 WILDLIFE OBSERVATIONS

Agnico Eagle's Environment Technicians conduct site surveillance monitoring and road surveillance monitoring regularly on the AWAR and within the Project footprint. In addition to planned surveys, all employees and contractors are asked to report wildlife sightings. In November 2021, a new way to report wildlife sightings on site via text message was introduced to all employees. The text messaging was replaced by a QR Code in April 2023.

In previous TEMMP annual reports, observations from wildlife surveys and wildlife incidental observations were pooled and compared with previous years. Combined survey observations and incidentals from 2025 (6,470 individuals) were higher than in 2024 (3,781 individuals) but remain comparable to other years (2018: 7,198 individuals; 2019: 880 individuals; 2020: 2,650 individuals; 2021: 4,182 individuals; 2022: 5,255 individuals; and 2023: 9,458 individuals; WSP 2024a). Table 10 summarizes wildlife observations between 2018 and 2025 from both incidental observations and wildlife surveys. Results are presented separately in the sections following to distinguish between results from formal wildlife surveys and results from incidental observations.

Table 10: Wildlife Observations from Wildlife Surveys and Incidental Observations, 2018 to 2025

Common Name	Scientific Names	Number of Individuals Observed								
		2018	2019	2020	2021	2022	2023	2024	2025	Total
American crow	*Corvus brachyrhynchos*	0	0	0	0	0	0	2	3	5
American marten	*Martes americana*	0	0	20	2	0	0	0	3	25
Arctic fox	*Vulpes lagopus*	105	67	62	160	256	115	104	127	996
Arctic ground squirrel	*Urocitellus parryii*	1	10	14	14	45	67	60	67	278
Arctic hare	*Lepus arcticus*	31	34	50	84	146	130	78	21	574
Baird's sandpiper	*Calidris bairdii*	0	0	0	2	70	0	0	0	72
Bald eagle	*Haliaeetus leucocephalus*	1	0	0	1	4	2	4	0	12
Bird sp.[(a)]	N/A	0	0	0	99	0	363	195	698	1,355
Brant	*Branta bernicla*	0	0	181	25	0	1	0	0	207
Canada goose	*Branta canadensis*	67	145	470	1,027	889	981	497	1,172	5,248
Canada/Cackling goose	*Branta canadensis/hutchinsii*	0	0	0	0	0	0	69	28	97
Caribou[(b)]	*Rangifer tarandus groenlandicus*	6,839	86	106	30	1,066	5,197	39	0	13,363
Common/King eider	*Somateria mollissima/spectabilis*	0	0	0	0	0	0	30	1	31
Common raven	*Corvus corax*	2	5	43	29	93	115	79	96	462
Duck sp.	N/A	20	17	95	164	105	179	106	125	811
Grey wolf	*Canis lupus*	0	2	2	2	2	10	0	2	20
Greater white-fronted goose	*Anser albifrons*	0	44	0	6	0	0	89	21	160
Goose sp.	N/A	0	0	0	0	0	0	0	658	658
Gull sp.	N/A	0	18	76	74	232	173	59	88	720
Gyrfalcon	*Falco rusticolus*	0	0	0	0	0	1	0	0	1
Hawk sp.	N/A	0	0	0	2	0	0	1	6	9
Long-tailed duck	*Clangula hyemalis*	0	0	3	5	0	2	0	0	10
Loon sp.	N/A	0	0	0	0	0	14	7	38	59
Mammal sp.	N/A	0	0	0	3	0	0	0	0	3
Muskox	*Ovibos moschatus*	0	0	22	0	8	0	1	0	31
Northern pintail	*Anas acuta*	0	0	0	0	0	13	58	1	72
Owl sp.	N/A	0	0	0	0	0	0	2	0	2

Table 10: Wildlife Observations from Wildlife Surveys and Incidental Observations, 2018 to 2025

Common Name	Scientific Names	Number of Individuals Observed								
		2018	2019	2020	2021	2022	2023	2024	2025	Total
Peregrine falcon	*Falco peregrinus*	0	4	5	2	0	3	0	11	25
Polar bear	*Ursus maritimus*	2	2	4	0	1	5	8	3	25
Ptarmigan sp.	*Lagopus* sp.	19	8	59	142	87	50	57	17	439
Rough-legged hawk	*Buteo lagopus*	0	9	74	5	10	2	1	1	102
Sandhill crane	*Antigone canadensis*	4	68	152	202	175	213	100	241	1,155
Scaup sp.	N/A	0	0	0	0	0	73	2	0	75
Shorebird sp.	N/A	0	0	0	0	0	0	0	2	2
Snow goose	*Anser caerulescens*	100	340	1,190	2,083	1,968	1,610	2,037	2,952	12,280
Snowy owl	*Bubo scandiacus*	2	0	1	1	1	1	0	0	6
Tundra swan	*Cygnus columbianus*	4	21	21	18	97	138	96	88	483
Wolverine	*Gulo gulo*	1	0	0	0	0	0	0	0	1
Total		**7,198**	**880**	**2,650**	**4,182**	**5,255**	**9,458**	**3,831**	**6,470**	**39,874**

(a) Includes small passerines and individuals that could not be identified to species level (e.g., American robin, snow bunting, sparrow species); sp. = species.

(b) Number of individuals observed do not include those observed during caribou behaviour monitoring, remote camera surveys, or the Caribou Advisory Monitoring program. These results are presented separately in Section 12.0.

9.1 Wildlife Surveys

Agnico Eagle conducted a combined total of 140 wildlife surveys along the AWAR and at Mine infrastructure in 2025. Wildlife surveys were completed along the AWAR an average of every 3.0 days from 3 January to 25 December 2025. Wildlife surveys were completed at Mine infrastructure (e.g., land farms, tank farms, camps, construction areas, exploration areas, the incinerator, water collection ponds) an average of every 6.3 days from 7 January to 23 December 2025 (Table 11).

Table 11: Frequency of Wildlife Surveys in 2025

Month	Number of All-Weather Access Road Surveys	Number of Mine Site Surveys
January	8	4
February	6	3
March	8	5
April	7	4
May	9	4
June[(a)]	7	4
July[(a)]	8	5
August	8	4
September	8	5
October	8	4
November	8	4
December	6	3
Total	91	49

[(a)] Additional caribou surveys completed regularly throughout June and July, described in Section 12.0.

A total of 5,171 individuals from 13 identified wildlife species and 6 unidentified wildlife species groups (e.g., duck sp., gull sp., loon sp. [*Gavia* sp.], ptarmigan sp. [*Lagopus* sp.]) were recorded during surveys along the AWAR in 2025. Snow goose (*Chen caerulescens*) was the most commonly recorded species with a total of 2,487 individuals observed along the AWAR. Observations of snow geese flocks may include Ross's goose (*Anser rossii*), which are difficult to distinguish from snow goose from a distance. Canada goose, sandhill crane, and tundra swan were also frequently observed along the AWAR with a total of 898, 148, and 77 individuals recorded in 2025, respectively. There were also 624 individuals grouped under bird spp., which include small passerines and individuals that could not be identified to the species level. Mammal species recorded along the AWAR included Arctic fox (*Vulpes lagopus*; 9 individuals), Arctic ground squirrel (*Urocitellus parryii*; 53 individuals), and Arctic hare (*Lepus arcticus*; 4 individuals).

A total of 1,331 individuals from 14 identified wildlife species and 7 unidentified wildlife species groups (e.g., duck sp., gull sp., loon sp.) were recorded during surveys at Mine infrastructure other than the AWAR in 2025. Snow goose, Canada goose, and sandhill crane were the most frequently observed species with 613, 274, and 93 individuals recorded, respectively. Mammal species recorded at Mine infrastructure included American marten (*Martes americana*; 1 individual), Arctic fox (20 individuals), Arctic ground squirrel (14 individuals), Arctic hare (11 individuals), and grey wolf (1 individual).

These totals do not include caribou documented as part of the caribou behaviour monitoring (Section 12.1), caribou remote camera study (Section 12.2), or caribou advisory programs (Section 12.4). Barren-ground caribou are listed as 'Threatened' by COSEWIC but are not currently listed under the *Species at Risk Act* (SARA; Government of Canada 2026). No species listed under Schedule 1 of *SARA* were observed during wildlife surveys.

9.2 Wildlife Incidentals

There were 93 incidental wildlife observations recorded, representing 120 individuals of 6 species and 1 species group (i.e., bird sp.), around the Mine site (including the camp area) and the AWAR in 2025 (Table 12). Incidental wildlife observations were recorded between 1 January and 29 December 2025 through Wildlife Logs and Reports (e.g., via radio call, email, or QR code), and do not include mortalities or observations of large herds of migrating caribou. Information on caribou migration through the Mine site and AWAR is presented in Section 12.0.

The most frequently observed species were Arctic fox (98 individuals), Arctic hare (6 individuals), and bird sp. (4 individuals; Table 12). Polar bear was the only species observed incidentally and not during wildlife surveys.

Table 12: Incidental Wildlife Observations (2025)

Common Name	Scientific Name	2025	
		Number of Observations	Number of Individuals
American marten	*Martes americanus*	2	2
Arctic fox	*Vulpes lagopus*	75	98
Arctic hare	*Lepus arcticus*	6	6
Bird sp.	n/a	4	4
Common raven	*Corvus corax*	3	6
Grey wolf	*Canis lupus*	1	1
Polar bear	*Ursus maritimus*	2	3
Total		**93**	**120**

Note: Specific GPS locations were not recorded for incidental wildlife observations in 2025. Wildlife mortalities and counts of large herds of migrating caribou are not included. N/A = not applicable; sp. = species.

9.3 Den Sites

Prior to construction of Project infrastructure, surveys are required to locate dens of furbearers in accordance with both the NIRB Project Certificate No. 006 (Amendment No. 002) T&C 53 and the TEMMP (Agnico 2025).

Furbearer species that occur in the RSA include the following:

- Arctic fox
- Grey wolf
- Polar bear
- Grizzly bear
- Wolverine

9.3.1 Methods

Transects were surveyed by Meliadine environmental technicians on foot or via drone ahead of clearing activities. Surveyors looked for den openings generally located on sandy and/or vegetated mound or ridges with a gentle south-facing slope, which are indicators of suitable ground for a den (Macpherson 1969; Lai and Berteaux 2013). Signs of wildlife such as animal observations, tracks, scats, bones, trail conditions, and fresh digging were also used to determine the species using the den and if the den was active (Elbroch 2003; Murie 1989). When a den was found:

- Location was recorded using a GARMIN map 78s
- Pictures of the den and the surrounding habitat were taken
- Den openings were measured
- Signs of wildlife were documented

9.3.2 Results

In 2025, two surveys were completed for den sites. The first survey was on 15 January 2025 and consisted of seven, 30 m-wide transects. The transects were surveyed on foot, with a total survey distance of approximately 5.8 km, covering approximately 174 km^2 . The second survey was on 5 May 2025 and consisted of four 60 m-wide transects. The transects were surveyed via drone, with a total survey distance of approximately 2.8 km, covering approximately 168 km^2. Transects are displayed in Figure 5.

No den sites were recorded during surveys. As such, there was no need for the implementation of construction setback and mitigation measures described below in Section 9.3.3.

Tiriganiaq Deposit

Meliadine Lake

All-weather Access Road

LEGEND

- SURVEY 1 (COMPLETED ON FOOT)
- SURVEY 2 (COMPLETED BY DRONE)
- MINE FOOTPRINT (2025)
- APPROVED PROPOSED TERRESTRIAL LOCAL STUDY AREA (LSA)
- ALL-WEATHER ACCESS ROAD (AWAR)
- RANKIN INLET
- WATERCOURSE
- WATERBODY
- TERRITORIAL PARK



0 800 1,600

1:40,000 METRES

REFERENCE(S)

1. MINE FOOTPRINT OBTAINED FROM AGNICO EAGLE MINES LIMITED.
2. BASE DATA OBTAINED FROM NATURAL RESOURCES CANADA.

COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT

AGNICO EAGLE MINES LIMITED

PROJECT

MELIADINE GOLD PROJECT
NUNAVUT

TITLE

2025 DEN SURVEY TRANSECTS

CONSULTANT

YYYY-MM-DD	2026-03-24
DESIGNED	NM
PREPARED	CDB
REVIEWED	NM
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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9.3.3 Mitigation

The primary mitigation measure for active den sites is avoidance through the implementation of setback distances. The recommended construction setbacks are a protection buffer zone around a den where further mitigation measures will be implemented as described below. The setback distances depend on the species, the time of the year and the type of construction activities. The relevant recommended construction setbacks are presented in Table 13.

Table 13: Recommended Construction Setbacks per Species

Species	Construction Setbacks	Sensitive Period	Type of Activity
Fox dens	150 m	May 1-Sept 15	General industrial activity
Wolf dens	800 m	May 1-Sept 15	General industrial activity
Bear dens (polar bear, grizzly)	800 m	Sept 30-Mar 30	General industrial activity
Bear dens (polar bear, grizzly)	1,500 m	Sept 30-Mar 30	Blasting
Wolverine dens	2,000 m	Oct 15-July 15	General industrial activity

Source: GNWT 2016.

Precautions will be taken to not damage or destroy dens. In the situation where a new den is discovered, the Environment Department will be contacted to implement mitigation measures. Otherwise, the mitigation measures of known den locations will consist of:

- incorporating known den locations and setback distances on the construction plans (drawings and engineering specifications)
- delineating protective areas clearly at the working site
- minimizing the footprint to what is necessary for construction
- informing the workers in the area when work is performed at proximity of the dens
- keeping the working site clean and free of garbage that could impact or attract wildlife
- avoiding harassing wildlife
- implementing the Wildlife Encounter and Deterrence found as an appendix in the TEMMP

9.4 Bird Nests

In 2025, 11 incidental bird nests were observed on the Mine site or along the AWAR (Table 14). Of these 11 nests, 6 required mitigation due to proximity to Mine activities. Mitigation implemented at these nests included delineating setback distances, reducing traffic speed, application of dust suppressants and/or limiting dust-generating activities, continued monitoring to document nesting outcomes, and suspension of operations until the nests were deemed inactive.

Nests identified in 2025 that did not require mitigation were either setback far enough from Mine activities where disturbance was not anticipated or observed to be inactive.

Table 14: Incidental Bird Nests and Approximate Location, 2025

Date Nest First Observed	Common Name	Location	Approximate Coordinates (NAD 83; Zone 15)		Notes	Mitigation Measure(s) Applied[(a)]
			Easting	Northing		
2025-06-05	Canada goose	B34	539135	6987847	Nest observed on a tundra hummock in the middle of Lake B34	2,3,4
2025-06-05	sandhill crane	Dyno Road	538781	6990329	Nest observed adjacent to Dyno Road	2,3,4
2025-06-11	Canada goose	Tailings Storage Facility	538322	6990260	Adult observed nesting near TSF.	2,3,4
2025-06-29	sandhill crane	A37	540614	6987921	SHC nest located behind the crusher pad near SP4/dewatered A37	2,3,4
2025-06-29	tundra swan	A8	540700	6987490	Nest observed (likely with eggs) on the shore of Lake A8	N/A
2025-06-30	unknown	B38	539990	6986604	Bird on tundra hummock on B38, nest likely has eggs	N/A
2025-07-01	American robin	SWTP	539983	6988733	American Robin nest with eggs inside the SWTP	N/A
2025-07-03	white-crowned sparrow	Crusher Pad	540317	6988161	1 adult was observed going back and forth to the nest on the crusher	N/A
2025-07-04	unknown	Process Plant	539120	6990025	An empty nest was found at the top of a manlift, with neither bird nor egg around. It was removed from the location	N/A
2025-07-04	snow bunting	WarehousePad2	539881	6989263	While working in the seacan laydown area, the Hyster operator observed a bird entering and exiting the bottom of seacan (NEXU1520551 blue). Environmental personnel confirmed the presence of a nest. The row has been closed to all work, and the seacan behind it has been tagged to restrict movement	1,3,5
2025-07-04	unknown	WarehousePad1	539414	6990210	A nest in building stage was found at the base of seacan PNSU2230930 (orange). Work in the area may continue, but the seacan must remain there	1,3

[(a)] Mitigation Measures:

1. Delineated setback distance with stakes and maintained protection buffer.
2. Reduce traffic speed.
3. Applied dust suppressants and/or limited dust-generative activities in sensitive areas.
4. Conducted low-impact monitoring to document nesting outcomes.
5. Suspended operations or use of material/equipment.
6. Removal Permit requested and issued.

N/A = not applicable.

9.5 Incidents and Mortalities

Mortalities can occur as wildlife interact with the Project site or become habituated to mining activities resulting from efforts to locate food or shelter (DDMI 1998). Diligent waste management, employee and environmental awareness and immediate reporting of wildlife sightings in and around Project infrastructure can limit the mortality of wildlife.

9.5.1 Methods

Project-related incidents and mortalities are reported to the Mine's Environment Department for documentation in a detailed incident investigation for immediate follow-up. All wildlife mortalities are reported immediately to the GN DoE, and the GN DoE is consulted for follow-up mitigation and disposal procedures. In addition, the KivIA is also immediately notified of wildlife mortalities and the events and circumstances around that mortality. If wildlife had to be deterred to reduce the risk of a wildlife-human incident, then all efforts are made by the environmental technicians to start with the least intrusive method available. All deterrent actions are recorded.

9.5.2 Results

A total of five mortalities across three different species were reported at the Project from 8 January to 4 August 2025. Of the five mortalities, two were Project-related, two were suspected to be from natural causes, and one was unknown (Table 15). There were no other reports of incidental mortalities (i.e., mortalities unrelated to Project activities) in 2025.

The Environment Department employs many mitigation measures to minimize the presence of foxes on site. Toolbox talks for every crew of the department emphasize the importance of waste segregation to avoid attracting wildlife. Inspections are completed regularly in every location outside to prevent food waste availability to wildlife. These mitigation measures were reinforced in 2023 by BearWise in a wildlife audit report at the Mine site (BearWise 2023). Following the site audit, several measures were taken to reduce wildlife attractants and ensure the safety of site personnel and local wildlife. The implementation of these measures was overseen by the Environment Department and realistic deadlines for their completion were set. Agnico Eagle continues to implement these measures, including ongoing waste management training for all Mine departments.

Table 15: Wildlife Mortalities and Incidents Reported in 2025

Date	Species	Number	Location	Project Related	Comments
8 January 2025	Arctic fox	1	Main Camp domestic waste seacan	Unknown	A deceased fox was found by the Main Camp domestic waste seacan by Wing 11. The Environment Department was notified, and the animal recovered. Upon recovery, the individual appeared to be an adult female. No injuries were apparent, and the cause of death was unknown. The carcass was bagged and frozen prior to being incinerated following instructions from the relevant authorities. A voicemail was left with a GN Conservation Officer on 8 March 2025 informing them of the incident.
16 March 2025	Arctic hare	1	AWAR, KM 27.2	Yes	A fuel tanker struck an Arctic hare at KM 27.2 of the AWAR. The Environment Department was notified; however, before recovery occurred, the carcass had been removed from the area, likely due to predation. An email to a GN Conservation Officer informing them of the incident was sent on 18 March 2025.
2 April 2025	Arctic fox	1	Landfill	No	A deceased Arctic fox was discovered by the Environment Department during weekly inspections of the landfill. Upon examination, it appeared to have sustained injuries by another animal. The carcass was bagged and frozen prior to being incinerated following instructions from the relevant authorities. A GN Conservation Officer on 3 April 2025 via phone call to inform them of the incident.
10 June 2025	Arctic fox	1	Land farm B, bottom of the Waste Rock Storage Facility 3 south slope	No	A deceased Arctic fox was discovered by the Environment Department during monthly inspections of the surface runoffs around the site. Upon examination, it appeared to have sustained injuries by another animal. As the carcass had been severely scavenged, it was bagged and incinerated. A GN Conservation Officer on 12 June 2025 via email to inform them of the incident.
4 August 2025	Least weasel	1	Decommissioned Saline Water Treatment Plant	Yes	A deceased least weasel was discovered by Energy and Infrastructure Maintenance personnel during an inspection of the decommissioned Saline Water Treatment Plant. The Environment Department was contacted. Upon recovery, it was determined the likely cause of death was drowning. The carcass was bagged and frozen prior to being incinerated following instructions from the relevant authorities. An email was sent to a GN Conservation Officer on 11 August 2025 informing them of the incident.

AWAR = All-Weather Access Road, ECCC = Environment and Climate Change Canada; GN = Government of Nunavut; spp. = species.

9.6 Accuracy of Impact Predictions

A summary of the impact predictions proposed in the TEMMP (Agnico Eagle 2025a) is provided in Table 16. Through systematically recording the presence of all wildlife within and around the Project footprint, Environmental staff will remain appraised of current and emerging issues and will be able to manage issues as they arise. To use a common example, surveillance monitoring may detect that wildlife has gained access and is taking shelter beneath a building. Once the animal has been removed, fencing can be used to prevent further access from wildlife.

The thresholds presented in Table 16 have been employed for the Mine to date for consideration of any adaptive management for the TEMMP (Agnico Eagle 2025a). Refinement of these thresholds may be considered, in collaboration with the GN, as appropriate, as more data is collected and analyzed over time.

Table 16: Accuracy of Impact Predictions – Wildlife Incidents 2025

Monitoring Indicator	Preliminary Threshold	Exceeded in 2025?	Adaptive Management	Monitoring Method	TEMMP Section
Vehicle Collisions	No more than 1 ungulate/year	No	No action required	Wildlife Sightings Log, Site Surveillance Monitoring, AWAR Road Surveillance, Road Surveillance	9.5.2
Project Related Mortality[(a)]	No more than 1 ungulate/year	No	No action required	Wildlife Sightings Log, Site Surveillance Monitoring	9.5.2
Project Related Mortality[(a)]	No more than 20 Arctic fox/year	No	Ongoing waste management and, regular toolbox meetings reiterating that any disrespect of wildlife or of Meliadine's wildlife policy is unacceptable and against company rules	Wildlife Sightings Log, Site Surveillance Monitoring, with particular emphasis around waste management areas	9.5.2
Project Related Mortality[(a)]	No more than 1 raptor/year	No	Not currently identified	Wildlife Sightings Log, Site Surveillance Monitoring	9.5.2
Project Related Mortality[(a)]	No more than 1 waterbird/year	No	Ongoing and regular toolbox meetings on awareness of blind spots, particularly for large vehicles and equipment	Wildlife Sightings Log, Site Surveillance Monitoring	9.5.2

[(a)] Project Related Mortality = A death that can be directly linked to the Mine or mining activity.

TEMMP = Terrestrial Environment Management and Monitoring Plan.

9.7 Recommendations

Mortalities recorded in 2025 are within predicted thresholds. Agnico Eagle was proactive in managing wildlife conflict. Diligent waste management practices, employee and environmental awareness (e.g., toolbox meetings), and immediate reporting of wildlife sightings in and around Project infrastructure to limit mortality of wildlife should be continued. Specific recommendations from GN and wildlife audits in 2023 and since implemented were to avoid mixing food waste with other types of waste, educate personnel to not feed wildlife, ensure that all waste containers are sealed, and ensure that doors of buildings that contain waste remain closed (BearWise 2023). Agnico Eagle will continue to implement these recommendations, including ongoing waste management training for all Mine departments.

10.0 WILDLIFE DETERRENTS

Wildlife deterrents were implemented at eight locations in 2025 to deter birds from nesting. Propane noise cannons were used at Tiri-1, Pump Road, A8, and SP4. Propane noise cannons were deactivated and/or removed during caribou migration. Bird deterrent balloons were used at CP1 while a bird strobe light was used at the Explosion Dome. Environmental technicians also actively deterred wildlife (e.g., Arctic fox) around Mine infrastructure. All deterrence activities were successful.

11.0 MUSKOXEN

Agnico Eagle has provided the GN DoE with in-kind contributions and support for previous muskoxen surveys and may continue to do so when requested. No surveys were completed by the GN DoE in 2025, and in-kind contributions were not requested.

12.0 BARREN-GROUND CARIBOU

Barren-ground caribou (including the Lorillard and Qamanirjuaq herds) are listed as ‘Threatened’ under COSEWIC but are not currently listed under the *Species at Risk Act* (Government of Canada 2026). Barren-ground caribou are ranked S3S4 and are considered ‘Vulnerable’ in Nunavut (CESCC 2022). Annual home ranges mapped by GN DoE show that the Project is within the annual home range of the Qamanirjuaq (pronounced “Kaminuriak”) caribou herd (Campbell et al. 2012, 2014). The Lorillard caribou are migratory, exhibiting an east-west migration movement solely within Nunavut (Campbell et al. 2014) and generally distributed north of Chesterfield Inlet, based on telemetry data collected by the GN DoE and the location of their historical calving grounds (Campbell et al. 2012). The likelihood of animals from the Lorillard herd occurring in the RSA for the Mine, as defined in the FEIS (Golder 2014), is very low. Based on GPS telemetry data, now available from the GN DoE through a data sharing agreement with Agnico Eagle, Lorillard caribou most recently came within 90 km of the northern edge of the Project RSA in 2022.

Baseline survey data documenting the distribution of barren-ground caribou during early winter, spring migration and calving, and post-calving through fall migration and rut periods suggest that the RSA is within the seasonal range of the Qamanirjuaq barren-ground caribou herd (Jalkotzy 1999, 2000, 2001). The annual range of the Qamanirjuaq herd occupies an area from northern Manitoba and Saskatchewan in the south, to southwestern Nunavut and southeastern Northwest Territories (BQCMB 1999; Campbell et al. 2012). The most recent population estimate of the Qamanirjuaq caribou herd was reported to be 252,892 adults in 2022, with a stable population status since the last survey completed in 2017 (Campbell et al. 2023). Barren-ground caribou are migratory, and movements and range use vary annually (Wakelyn 1999). The annual distribution and life-history of this population have been previously documented (Banfield 1954; Kelsall 1968; Thomas 1969; Parker 1972; Heard 1986). The Qamanirjuaq herd historically calves approximately 57 km to the west-northwest of the Mine and after calving the herd aggregates into a post-calving movement, generally moving east towards the coast and then back to the west and southwest of the Mine where their summer movement and distribution patterns commence (WSP 2026). During the post-calving movements to the coast, thousands of caribou can come through the Mine site and reside within and around the Project area from early June to late July (Golder 2020). For additional discussion on the Qamanirjuaq herd please refer to the FEIS (Golder 2014).

12.1 Caribou Behaviour Monitoring

The TEMMP indicates that once 50 caribou are visually observed or 1 or more caribou collar locations occur within 5 km of the Project footprint boundary, a work suspension protocol commences at the Mine. Monitoring caribou behaviour in proximity to the Mine is integral to understanding how caribou interact with the Project infrastructure including roads (i.e., crossing, deflection, walking parallel) and other Project infrastructure. Documenting behaviour through activity budgets may better inform appropriate adaptive management and distance triggers and thresholds in the future. Over time, a long-term dataset will be used to evaluate obvious response or lack of obvious response of caribou to mining based on behaviour.

The overall objectives of the caribou behaviour monitoring program are to determine if caribou activity budgets change with distance from the Mine, and to document caribou response to stressors. Activity budgets (i.e., time spent feeding, resting, walking, running) of caribou exposed to disturbances from the Mine and AWAR will be used to provide inputs for assessing the impact to the energy balance of caribou (see Section 4.2.4 of the TEMMP, Agnico Eagle 2025a, for additional discussion). The immediate effect of specific stressors (e.g., aircraft, vehicles, other wildlife) on caribou behaviour will also provide general insight into the relative effect of natural, Project-related, and community-related (i.e., all terrain vehicle [ATV] traffic and harvesting) road stressors on caribou behaviour. Consequently, opportunistic surveys should be completed when appropriate to do so during the caribou post-calving migration, without causing additional stress to caribou.

External caribou behaviour experts (from ERM) were brought on site from 2020 to 2024 to conduct the behaviour monitoring program, and to provide training for the Meliadine Mine environmental technicians. ERM also conducted the behaviour monitoring program in 2025. The overall objective of the caribou behaviour monitoring program as stated in the TEMMP is:

> *To determine if caribou activity budgets change with distance from the Mine, and to document caribou response to stressors.*

Per the Project Certificate (T&C 57), a detailed analysis of caribou responses to operations of the AWAR is required at Meliadine. The detailed objectives of the 2025 study were:

1) To conduct a study using behaviour survey methods at the Project site to estimate how the AWAR and site infrastructure may contribute to the effects of the Project on caribou.

2) To use information from the surveys (combined across six years of data collection) to determine factors that predict caribou behaviour near the Mine site, specifically looking at distance; group size; and vehicle disturbances.

The primary hypothesis of this study was that caribou closer to the road would demonstrate a stronger response to vehicle disturbances.

12.1.1 Methods

Ground-based behavioural observations, or scan sampling, are conducted to provide data on changes in caribou behaviour as a function of distance from the Project. Two different, but complementary approaches have been used to record the activity budget of caribou around the Project and AWAR. See the TEMMP (Agnico Eagle 2025a) for additional details on the behaviour scan method. In 2025, wildlife biologists from ERM completed behaviour observations during the caribou migration.

The objective of the data analysis was to quantify trends in the survey data and determine whether factors such as distance to infrastructure, group size or disturbances could be used to explain caribou behaviour. The primary hypothesis was that caribou closer to the road would demonstrate a stronger response to disturbances. An initial exploratory analysis was conducted to visualize the data and determine the appropriate method for analyzing the data. Behaviour categories were grouped for analysis into “response” behaviours (alert and running) and non-response (feeding, lying down and standing) to increase statistical power.

Following the 2021 analysis there was a suggestion from the TAG to explore whether the proportion of walking caribou changed as a response to disturbance. This was done to see if walking would be better categorized as a response behaviour or non-response behaviour. To test this, a model that included walking, running, and alert behaviours was developed in addition to the original model with just running and alert behaviours.

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

Statistical analyses were conducted using R Statistical Software version 4.5.1 (R Core Development Team 2025). Two dependent variables were tested:

- Proportion of response behaviours (alert and running) in each 3-minute interval in each survey.
- Proportion of walking plus response behaviours in each 3-minute interval in each survey.

The two dependent variables were each modelled against a suite of potentially important variables to determine if there was any statistical relationship with response behaviour. Based on an initial assessment of which variables were most statistically relevant, the variables included in this analysis were group size, distance to road, wind speed, and a binary variable identifying whether a disturbance occurred during each 3-minute interval. Based on comments from the GN on the 2022 and 2023 analyses, distance from caribou to infrastructure was considered as a continuous variable. For each dependent variable, GLMMs were constructed and tested for model fit, as evidenced by the Akaike Information Criterion (AIC; Appendix G).

12.1.2 Results

The following provides a summary of caribou behaviour monitoring completed in 2020 to 2025. Further explanation of statistical analyses and results are contained in Appendix G.

From 15 June to 10 July 2025, groups of caribou were surveyed passing through or near the study area. The first caribou were observed on 15 June 2025; however, no behavioural surveys could be completed due to distance from the observers to the group of caribou. Behavioural surveys were completed over five days when caribou were visible from the AWAR or Mine site. Caribou were observed in addition to these five days; however, these additional groups were too far away to accurately survey behaviour. Caribou mostly exhibited non-response behaviours: standing, laying, and foraging. Across all survey years, groups tended to show greater response behaviours (running, alert) when in smaller groups (less than 25 caribou) or within 300 m of a road (ERM 2026a).

A total of 235 surveys were completed between 2020 and 2025 (Table 17). In 2025, 40% of surveys recorded a disturbance. Caribou mostly exhibited the non-response behaviours of standing, laying, and feeding. Small groups (i.e., <25 caribou) tended to have higher proportion of response behaviours (i.e., running, alert) than larger groups, irrespective of disturbances. Groups within 300 m of the road tended to have higher proportions of response behaviours than those further away. Distance to the road was also linked to walking behaviour when grouped with alert and trotting behaviours, suggesting potential for walking as a response to disturbance. Walking behaviour has previously been considered a non-response behaviour, and as such models include versions with walking designated as a potential response behaviour, as well as models with walking designated as a non-response behaviour for comparison. Groups of caribou were observed near the road in equal proportions on the upstream and downstream sides of the road. Increased response behaviours were observed on the downstream (east) side of the road in 2022, 2023, and 2025.

Following a disturbance event, the proportion of response behaviours in a group of caribou increased but typically returned to baseline behaviours within nine minutes. Caribou were statistically more likely to be walking, alert, or running in sampling periods where a disturbance occurred (i.e., a passing vehicle). Therefore, the use of convoys as a method to consolidate multiple essential vehicles into a single disturbance event may be an effective mitigation to reduce the period caribou exhibit response behaviours following disturbance.

Environmental variables (e.g., temperature, wind speed, and insect harassment) were not related to proportion of response behaviours in caribou groups. However, observations have been largely collected in June, with a smaller proportion in early July, generally before most mosquitos emerge, and therefore, there is less likely to be an effect of wind relief from insects at this time of year. Further, insect response behaviour was added to the survey protocol in 2024 and completed in 2025, with no caribou exhibiting insect responses, precluding further assessment of this variable.

Table 17: Meliadine Caribou Behaviour Surveys Data Summary

Caribou Group Size	2020			2021			2022			2023			2024			2025		
	Number of Surveys	Surveys with Disturbance	Surveys with Road Crossing	Number of Surveys	Surveys with Disturbance	Surveys with Road Crossing	Number of Surveys	Surveys with Disturbance	Surveys with Road Crossing	Number of Surveys	Surveys with Disturbance	Surveys with Road Crossing	Number of Surveys	Surveys with Disturbance	Surveys with Road Crossing	Number of Surveys	Surveys with Disturbance	Surveys with Road Crossing
1-2	5	4	2	8	5	0	11	9	3	3	2	0	8	6	1	0	0	0
3-25	11	2	2	11	7	3	9	7	4	11	1	1	8	4	2	2	0	1
26-50	9	3	0	2	0	0	3	1	0	4	1	4	0	0	0	1	1	0
51-500	14	11	1	16	8	6	18	15	6	8	3	1	0	0	0	1	0	0
501-1,000	6	3	1	0	0	0	8	4	0	2	0	0	0	0	0	1	1	0
>1,000	11	6	0	9	7	3	20	17	2	14	5	6	1	1	0	0	0	0
Total	**56**	**29**	**6**	**46**	**27**	**12**	**69**	**53**	**15**	**42**	**12**	**12**	**17**	**11**	**3**	**5**	**2**	**1**

Source: ERM 2026a (Appendix G).

12.2 Caribou Remote Camera Study

The following section is a summary of the Caribou Trail Camera Study Compilation Report, 2020 to 2025, completed by ERM (Appendix H; ERM 2026c).

From 2020 to 2025, a study was conducted using motion-triggered cameras to study caribou interactions with the Project 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 IQ where caribou more frequently crossed the road. The survey protocol in 2023 followed that used in the previous two years, with some modifications to improve data quality, and with some cameras moved to the Mine site and proposed Discovery Road. Survey protocol, along with these modifications, remained consistent during the 2024 and 2025 surveys. Additionally, cameras were placed along the primary haul road to generate an index of on-site traffic, as per a TAG suggestion.

The objectives of the 2025 study were:

- To conduct a study using motion-trigger cameras at the Project site 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 2025 and compare these locations with camera data from 2020 to 2024, and with those identified by IQ and GPS collar data.
- To collect information to determine road characteristics that might preferentially be used by caribou for crossing, specifically:
  - Material of road construction (esker versus quarry)
  - Side slope
  - Road height
  - 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.
- To generate an index of traffic volumes at the Mine site during different levels of the Caribou Management System.

Full details on the study are provided in Appendix H.

12.2.1 Methods

Camera locations were selected to maximize coverage and representation of habitat and road types, and to best detect caribou and vehicles along the AWAR. 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. In 2023 and 2024, fewer cameras were deployed along the AWAR, with cameras distributed around the Mine site and along the proposed Discovery Road. Similar to 2024, a combination of Bushnell and Wild Game Innovations camera models were used in 2025.

Similar to 2023 and 2024, fewer cameras were deployed along the AWAR in 2025, with cameras distributed around the Mine site, and along the proposed Discovery Access Road. There were 13 cameras deployed along the AWAR, 10 cameras deployed around the Mine site, and 15 cameras deployed along the proposed Discovery Road for a total of 38 cameras. All AWAR cameras were installed on the west side of the road facing north and were placed no more than 5 m from the side of the road to better capture vehicle traffic. Cameras were roughly equally spaced around the perimeter of the Mine site. Similarly, cameras were roughly equally spaced along the proposed Discovery Road. Six cameras were removed by non-ERM or Agnico Eagle staff, presumably stolen, while four cameras experienced hardware issues, both of which resulted in a reduced sampling period at some locations.

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 were programmed to take one photo every 30 minutes, day or night, to help capture activity happening beyond the range of the motion detector and to ensure the cameras were operational to measure effort. This was not done on Wild Game Innovations cameras as these models lack this feature.

Road survey data from 2020 was used in the 2020 to 2025 analyses and included: width, height above tundra, side slope, surfacing material (esker versus quarry rock, and size), and surrounding vegetation type. All photos from 2022 and 2025 were pre-processed by an artificial intelligence 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. In 2025, three cameras spaced along the AWAR at KM 15, 18, and 23 were analyzed for detailed vehicle traffic in addition to wildlife.

Analyses were designed to quantify trends both among 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 provided 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 R (R Core Team 2024).

12.2.2 Results

Overall, the key findings in 2025 and across the six years (2020 to 2025) of the camera study included:

- The camera program ran from 7 June to 31 July 2025, with collared caribou data and visual observations indicating that most of the migration was captured, although few caribou travelled through the Mine area.
- Detections of caribou were reduced compared to data from 2020 to 2024. Detection rates in 2025 along the AWAR were 0.45 caribou per 100 camera days, 0.45 at the Mine site, and 0.70 along the proposed Discovery Road. The detection rate along the AWAR in 2023 was 24.85, while caribou were not detected in 2024. The detection rate at cameras at the Mine site in 2023 and 2024 were 10.34 and 0.95, respectively, while detection rates along the proposed Discovery Road in 2023 and 2024 were 42.58 and 1.32, respectively. While caribou have historically travelled through the Mine area post-calving, in 2025, similar to 2024, most caribou stayed west of Meliadine Lake post-calving, then returned directly south based on GPS collard data and reports form community members.
- One detection from cameras around the Mine site occurred on 25 June 2025, southwest of the Mine. In 2024, caribou were predominantly detected northwest of the Mine site, closer to the west arm of Meliadine Lake, with detections occurring from June 4 to July 7. In 2023, detections from cameras deployed throughout the Mine site occurred from June 11 to July 27.
- Peak detection of caribou among the cameras deployed along the proposed Discovery Road in late June and early July, consistent with 2023 and 2024. Differing from 2023 and 2024 where caribou detection density was relatively consistent across all cameras, with no clear spatial pattern in detections, caribou detections in 2025 were concentrated approximately halfway along the proposed Discovery Road.
- Based on data recorded from 2020 to 2025, 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.
- Similar to 2024 where no caribou were detected, analysis of caribou avoidance due to vehicle traffic could not be completed in 2025 due to the detection of only a single group of caribou along the AWAR. In 2023, 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 (ERM 2025c). The increasing time lag between vehicle detection and caribou crossing may 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.

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 when caribou are in the Mine area. 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. Additional camera data will help confirm any potential effects, as well as provide further insight on areas of high caribou passage across the AWAR. Further, pooling data collected across multiple study years will allow for minimum sample sizes necessary to incorporate further quantitative analyses of patterns of caribou movement across the Project.

Further explanation of analyses and results of the caribou trail camera study are contained in Appendix H.

12.3 Collared Caribou Inventory

The following section provides a summary of collared caribou presence in the RSA and LSA from 1993 to 2025. The goal of the collared caribou inventory is to understand the potential for indirect effects from the Project on caribou, both immediately adjacent to the Project (i.e., in the LSA) and in the surrounding region (i.e., in the RSA). A data sharing agreement between Agnico Eagle and the GN DoE was reached in 2023; GPS telemetry data (i.e., collar data) for Kivalliq caribou were received from the GN DoE and were used in this collared caribou inventory. Findings from previous analyses using these collar data (i.e., Commitment 38 analyses; WSP 2023b, WSP 2023c) are also integrated into the collared caribou inventory presented.

12.3.1 Methods

For each caribou and year, the collar data were intersected with the LSA and RSA boundaries to determine when collared caribou entered and exited the LSA and RSA. Caribou interactions with the LSA and RSA boundaries were separated into “bursts”, or unique interaction events that ended when the caribou stepped outside either the LSA or RSA. Thus, a single caribou could have multiple RSA interactions or LSA interactions (bursts) in one year. The mean number of times that each caribou interacted with the LSA and RSA per year (i.e., mean number of bursts) was calculated. Further, the entry date and exit date for each burst was determined, then averaged across all bursts to determine a mean entry and exit date, per RSA and LSA, per year. The duration of time spent in the RSA and LSA was also calculated per burst; if a caribou entered and exited on the same day, the duration was automatically rounded up to 1 day. Then, the mean duration of time spent in the RSA and LSA was averaged per year.

12.3.2 Results

Individuals from the Qamanirjuaq herd have been present in the RSA for 18 of the 33 years where collar data are available (Table 18). Caribou began entering the RSA in 2006 and have continued to enter the RSA since then (except in 2009 and 2010). Alternating periods of presence and absence of caribou in the RSA has been noted by IQ (Golder 2014). The number of collared individuals that annually enter the RSA has increased since 2006, with the most Qamanirjuaq caribou entering the RSA between 2017 and 2019. Since 2011, collared Qamanirjuaq caribou have typically entered the RSA in late June to mid-July and have remained in the RSA for 1 to 5 days.

Individuals from the Qamanirjuaq herd have been present in the LSA for 17 of the 33 years where collar data are available (Table 18). In almost all years when caribou have entered the RSA, some individuals have also entered the LSA (except in 2008). Qamanirjuaq caribou began entering the LSA in 2006 and 2007, did not enter the LSA between 2008 and 2010, then have consistently been present in the LSA since 2011. Collared caribou typically enter the LSA in early to mid-July and leave the LSA on the same day; some individuals enter the LSA several

times over the course of one summer but remain in the LSA for a day or less during each interaction, which suggests that caribou are not avoiding the Project. The length of time Qamanirjuaq caribou are spending in the LSA has not varied since collared caribou began interacting with the LSA in 2006.

These results align with WSP's (2023a) previous findings that fewer than 30% of Qamanirjuaq caribou come within 5 km of the Project and that 99% of caribou that came within 5 km of the AWAR or Mine for a specific year remained for less than 24 hours. The collar data also support that caribou are spending very little time in the areas immediately adjacent to the Project. In consideration of these results, impacts to the Qamanirjuaq herd due to the Project have the potential for limited transboundary effects. Past analysis of collar data interactions with the Mine infrastructure and AWAR indicates no strong local scale deflection effects (Appendix D in Golder 2021, WSP 2023b,c [Section 12.3.3]).

Table 18: Annual Timing of Qamanirjuaq Collared Caribou Presence and Duration in the Regional Study Area and Local Study Area, 1993–2025

Year	Total Caribou Collared	RSA					LSA				
		Caribou in RSA	Mean Entries per Caribou	Mean Entry Date	Mean Exit Date	Mean Duration (days)	Caribou in LSA	Mean Entries per Caribou	Mean Entry Date	Mean Exit Date	Mean Duration (days)
1993	5	-	-	-	-	-	-	-	-	-	-
1994	8	-	-	-	-	-	-	-	-	-	-
1995	8	-	-	-	-	-	-	-	-	-	-
1996	13	-	-	-	-	-	-	-	-	-	-
1997	14	-	-	-	-	-	-	-	-	-	-
1998	15	-	-	-	-	-	-	-	-	-	-
1999	18	-	-	-	-	-	-	-	-	-	-
2000	15	-	-	-	-	-	-	-	-	-	-
2001	13	-	-	-	-	-	-	-	-	-	-
2002	16	-	-	-	-	-	-	-	-	-	-
2003	14	-	-	-	-	-	-	-	-	-	-
2004	23	-	-	-	-	-	-	-	-	-	-
2005	22	-	-	-	-	-	-	-	-	-	-
2006	44	2	1.00	17-Sep	06-Oct	19.00	2	1.00	05-Oct	06-Oct	1.00
2007	42	1	1.00	04-Jan	14-Feb	41.00	1	1.00	14-Feb	14-Feb	1.00
2008	48	1	1.00	13-Jul	14-Jul	1.00	-	-	-	-	-
2009	52	-	-	-	-	-	-	-	-	-	-
2010	21	-	-	-	-	-	-	-	-	-	-
2011	40	2	1.00	01-Aug	02-Aug	1.00	2	1.00	01-Aug	01-Aug	1.00
2012	35	5	1.20	15-Jul	18-Jul	3.50	3	1.67	17-Jul	17-Jul	1.00
2013	53	12	1.42	10-Jul	13-Jul	2.47	5	1.20	14-Jul	14-Jul	1.00
2014	55	7	1.86	21-Jul	23-Jul	2.62	3	1.33	09-Jul	09-Jul	1.25
2015	57	36	2.06	28-Jul	01-Aug	3.43	27	1.59	15-Jul	15-Jul	1.12
2016	75	39	2.26	08-Jul	11-Jul	3.11	28	1.54	11-Jul	11-Jul	1.00
2017	121	69	1.36	07-Jul	09-Jul	2.49	48	1.52	09-Jul	09-Jul	1.00
2018	108	50	2.34	08-Jul	11-Jul	3.38	40	1.75	13-Jul	13-Jul	1.01
2019	128	69	1.35	23-Jun	28-Jun	4.82	24	1.54	29-Jun	29-Jun	1.03
2020	112	29	2.07	05-Jul	08-Jul	2.70	14	2.14	10-Jul	10-Jul	1.03
2021	69	21	2.76	14-Jun	17-Jun	2.93	10	1.60	06-Jul	06-Jul	1.00
2022	62	28	2.39	28-Jun	02-Jul	3.90	20	1.75	08-Jul	08-Jul	1.00
2023	66	28	5.18	09-Jun	13-Jun	4.16	24	2.88	27-Jun	28-Jun	1.03
2024	53	41	1.58	24-May	26-May	3.12	1	2.00	3-Jul	3-Jul	1.00
2025	39	16	1.44	18-Jun	21-Jun	3.33	1	2.00	26-Jun	27-Jun	1.00

LSA = Local Study Area; RSA = Regional Study Area.

12.4 Caribou Advisory

The objective of the Caribou Advisory Monitoring program is ensuring workers are aware of the approximate numbers of caribou on and proximal to the Project, which is related to the potential for interactions between caribou and mining activities. The caribou advisory raises general awareness so that employees are alert to the likelihood that mitigation could be triggered and what mitigation would be triggered. The number of animals near the Project and in specific areas dictates the type of mitigation practices that will be undertaken (e.g., road closure, closing specific areas at the Mine site, speed reduction).

12.4.1 Methods

Mine staff, in collaboration with the GN DoE from Iqaluit and KivIA and including participation of the KHTO, undertake the implementation of a caribou monitoring and work suspension protocol during caribou migration to minimize sensory disturbance at the Project site and along the AWAR. The KHTO and KivIA members typically assist Mine staff conducting surveys during caribou migration. In 2025, a KivIA representative was present during the migration period, allowing for instant communication with the Environment Department. The KHTO led the convoys when travel was required on the AWAR, such as equipment transportation or employee buses, during the caribou migration. Communication protocols built into the work suspensions are designed to be broadcast swiftly and broadly among all departments in real time. The Environmental Department monitored caribou presence as per the caribou migration protocol (Sections 4.1 and 4.2; Agnico Eagle 2025a) including the use of collar data and regular surveys and issuing caribou advisories. Regular surveys for caribou, were completed by on site environmental technicians, and consisted of ground surveys at multiple locations, at regular intervals throughout the day (i.e., 06:00, 12:00, 18:00) during caribou migration. The results of the surveys were communicated to all Project Departments, and to the TAG members, indicating if any work stoppages or restrictions are required and the affected work areas.

A Caribou Protection System based on a decision tree is used to guide adaptive monitoring and mitigation based on results of surveys. Four action levels are outlined in the decision tree:

- Level 1: triggered when 50 or more caribou (or 10 or more muskox) or 1 or greater caribou collar location (less than 24 hours old) are observed within 10 km of the Mine based on ground surveys or review of satellite collar data. Ground surveys are completed every two days, and satellite collar data is reviewed twice per week. Site-wide warnings are issued daily. Level 1 is ongoing for 5 days, or until Level 2 or Level 3 is triggered.
- Level 2: triggered when less than 50 caribou (or less than 10 muskox) or 1 or greater caribou collar location (less than 24 hours old) are observed within 5 km of the Mine. Ground surveys are completed every two days, and satellite collar data is reviewed twice per week. Pilots and drilling, blasting, and open pit staff will be notified to prepare for imminent work stoppages. Additional mitigation (e.g., work suspension), may be implemented by the Environmental Supervisor. Site-wide warnings are issued daily. Speed limits will be reduced as appropriate to a maximum of 30 km/h, and vehicle beacons will not be used on the AWAR. Level 2 is ongoing for 10 days; or until caribou exit the 5 km mark or Level 3 is triggered.

- Level 3: triggered when 50 or more caribou are observed within 5 km of the Mine. Ground surveys are completed three times per day, and satellite collar data is reviewed at least twice per week. A work suspension protocol is implemented. Site-wide warnings are issued three times per day. All staff will return to camp, either by walking or air or vehicle transportation. Essential helicopter transportation of staff back to camp will implement a 1,000 m vertical 1,500 m horizontal avoidance buffer of the caribou herd(s). One staff have returned to camp, helicopters will be grounded, except for under emergency evacuation situations where ground transport is not feasible. Outside workforces will be minimized when more than 50 caribou move through the Mine. Closure occurs on the AWAR when 50 or more caribou are within 300 m of the road. Level 3 is ongoing until caribou exit the 5 km mark.
- Level 4: Applied during the calving season (i.e., 1 to 15 June). The daily rate of movement of collared caribou during pre-calving and calving period of the herd will be used to trigger mitigation. Should one collared caribou within 10 km radius of the Mine site reach a daily rate of movement of the herd below 5 km/day the following protocols will be implemented:
  - KivIA to be notified of collared caribou presence.
  - Monitoring efforts will increase to four times daily, with results shared with KivIA in real time.
  - Basins will be lowered as much as possible to minimize the number of pumps operating during Level 4 and ensure refueling of essential generators and power supplies to limit the traffic on site.
  - Transportation plans will be discussed with the KivIA daily to coordinate transportation related to essential activities.

  Work suspension will be triggered when 50 caribou or more are within 50 km of the Mine, along with other mitigation measures applied during Level 3. Level 4 is ongoing until June 16.

12.4.2 Results

Surveys to monitor migration of the Qamanirjuaq herd through the Project were performed from 13 June to 12 July 2025. Mine site and AWAR surveys were completed two to three times daily throughout this period by Mine personnel. An additional fourth survey was occasionally done to provide an update on caribou presence. A record of caribou surveys, including date, time, estimated number of caribou and approximate location are presented in Appendix I. Additional fourth surveys are included in Appendix I, but were purposefully omitted in Figure 6 to avoid inflating caribou counts and to allow direct comparison across days (assuming a maximum of three surveys per day).

Caribou were detected during surveys from 15 June to 10 July 2025, with the highest caribou numbers observed on 21 June 2025 (Figure 6). Shutdowns affecting different components of the Mine were implemented to facilitate the safe migration of caribou through the Project. Shutdowns are summarized in Table 19. Closure of both the Mine site and TSF was triggered between 19 to 29 June 2025. The AWAR was closed during this period from 6 p.m. to 6 a.m. to avoid any potential disturbance to caribou during nighttime hours (Table 19). Vehicle traffic on site, open pit operations, and activities at the Main Camp were restricted for 234 hours over 11 days (i.e., 89% of the time over the 11-day period). Similarly, activities at the Exploration Camp were restricted for 234 hours over 11 days (i.e., 89% of the time over the 11-day period). Waterline construction activities did not overlap with the caribou migration period in 2025 and, therefore, no downtime hours are reported. One flight was cancelled on 21 June 2025 due to the caribou migration.

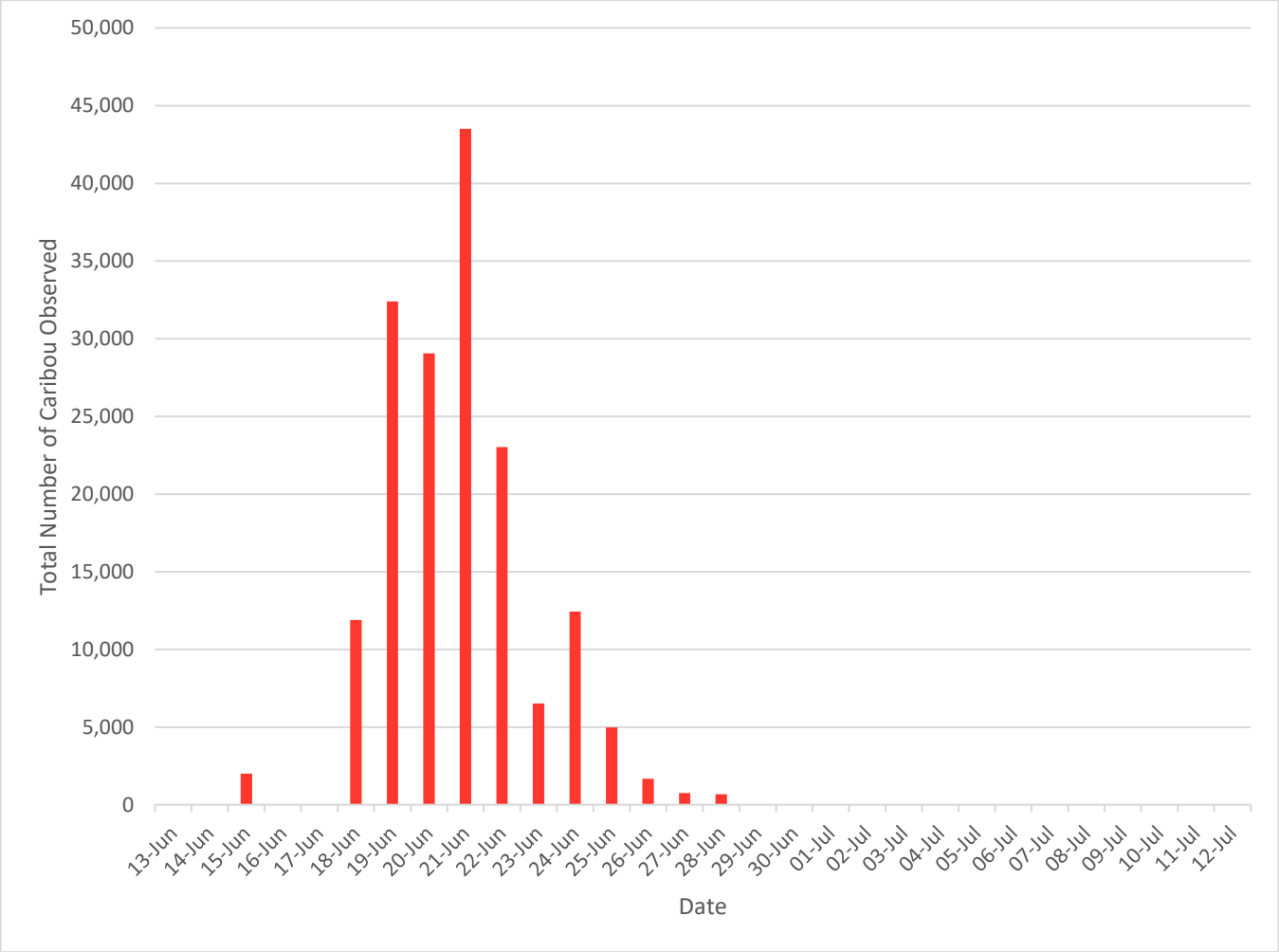


Figure 6: Total Caribou Observed by Date in 2025

Table 19: Recorded Down Time in 2025

Date	Hours Closed					Operation Comments	AWAR Comments	Waterline Comments
	AWAR	OP Operations	Exploration Camp Area	Main Camp	Waterline Construction[a]			
2025-06-19	6.0	12.0	12.0	12.0	n/a	Level 3 – 12 p.m.-12 a.m.	AWAR closed from 6pm to 12am	-
2025-06-20	12.0	24.0	24.0	24.0	n/a	Level 3- 24 hours	AWAR closed from 6pm to 12am	-
2025-06-21	12.0	24.0	24.0	24.0	n/a	Level 3- 24 hours	AWAR closed from 6pm to 12am	-
2025-06-22	12.0	24.0	24.0	24.0	n/a	Level 3- 24 hours	AWAR closed from 6pm to 12am	-
2025-06-23	12.0	24.0	24.0	24.0	n/a	Level 3- 24 hours	AWAR closed from 6pm to 12am	-
2025-06-24	12.0	24.0	24.0	24.0	n/a	Level 3- 24 hours	AWAR closed from 6pm to 12am	-
2025-06-25	12.0	24.0	24.0	24.0	n/a	Level 3- 24 hours	AWAR closed from 6pm to 12am	-
2025-06-26	12.0	24.0	24.0	24.0	n/a	Level 3- 24 hours	AWAR closed from 6pm to 12am	-
2025-06-27	12.0	24.0	24.0	24.0	n/a	Level 3- 24 hours	AWAR closed from 6pm to 12am	-
2025-06-28	12.0	24.0	24.0	24.0	n/a	Level 3- 24 hours	AWAR closed from 6pm to 12am	-
2025-06-29	6.0	6.0	6.0	6.0	n/a	Level 3 - 1:00 a.m. to 6:00 a.m., Level 2 - 6:00 a.m.-12 a.m.	AWAR open with restrictions	-
Total Hours Closed (rounded to nearest hour)	**120.0**	**234.0**	**234.0**	**234.0**	**n/a**			

[a] Waterline construction did not overlap with the caribou migration period in 2025.

n/a = not applicable.

12.4.3 Traffic Data

A total of 28,911 one-way trips along the AWAR were recorded in 2025, with an average of 1,117 trips per month (Table 20). Traffic rates were lowest in January and highest in September. Pickup trucks and tractor-trailers were large contributors to traffic rates, followed by buses and fuel tankers. The number of one-way trips in 2025 was higher than the 13,409 trips in 2024 and 24,254 trips in 2023 (Agnico Eagle 2025b). In addition to one-way trips, there were 18 records of convoy trips in June 2025 to reduce extent of vehicles on the AWAR during caribou migration. Convoy trips were for crew changes and essential service (i.e., food, water, sewage), or nuclear material transport.

Table 20: AWAR Traffic by Month (2025).

Vehicle Type	Number of One-way Trips by Month												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Ambulance	2	2	2	0	4	2	7	28	3	1	2	4	57
ATV	1	0	0	2	30	78	98	149	173	84	28	2	645
Backhoe	0	1	2	1	3	0	3	2	1	2	0	1	16
B-Train	0	0	0	0	0	0	0	0	0	1	0	0	1
Boom Truck	0	3	2	1	17	14	27	10	7	23	0	5	109
Bus	255	208	242	234	229	236	273	282	273	245	200	222	2,899
Crane	0	3	0	0	1	1	6	3	5	0	0	2	21
Dump truck	0	0	0	0	212	43	317	229	80	31	7	0	919
Flatbed Tractor	4	13	0	26	38	16	25	23	4	21	134	77	381
Fuel Tanker (40 000 L)	276	302	296	125	389	148	38	274	86	501	159	315	2,909
Fuel Truck (15 000 L)	16	13	16	16	58	23	69	80	73	56	16	7	443
Grader	50	39	30	39	15	18	20	30	21	23	34	21	340
Haul Truck	0	0	2	0	96	35	178	316	287	183	23	1	1121
Hino-luggage	4	0	6	15	10	16	33	18	19	28	6	2	157
Hyster (Reach Stacker)	0	0	3	1	1	4	0	3	3	2	1	3	21
Loader	10	0	18	33	38	12	22	25	24	36	16	4	238
Lube Truck	0	0	0	0	6	12	3	19	8	14	2	0	64
Oversized load	0	0	0	1	0	1	0	1	0	0	2	0	5
Pickup	508	478	549	604	1,083	1,157	1,410	1,372	1,418	1,127	715	618	11,039
Roll Off truck	2	3	2	3	13	8	35	1	2	2	0	1	72
Service truck	17	8	36	15	47	33	90	57	41	29	15	12	400
Sewage Truck	14	7	20	28	18	19	92	60	51	48	26	9	392
Snowblower	20	27	74	21	8	0	0	0	0	0	5	15	170
Telehandler	0	1	2	1	0	2	1	4	701	13	1	0	726
Tractor-trailer	95	199	627	355	229	292	719	728	624	516	476	235	5,095
Van	0	0	2	4	2	2	12	12	11	8	9	0	62
Water tanker (40,000 L)	2	2	8	1	17	4	4	8	6	5	6	0	63
Water Truck (15,000 L)	5	6	16	12	17	16	112	76	40	64	5	7	376
Zoom Boom	0	0	2	0	2	9	10	19	12	3	1	0	58
Other	0	0	0	0	5	5	11	59	6	18	8	0	112
Total	**1,281**	**1,315**	**1,957**	**1,538**	**2,588**	**2,206**	**3,615**	**3,888**	**3,979**	**3,084**	**1,897**	**1,563**	**28,911**

Note: Trips less than the entire length of the road were rounded up to whole numbers (e.g., 0.5 rounded to 1), therefore total trip numbers provided in table will be larger actual trips performed.

12.4.4 Anthropogenic Sound and Caribou Pre-calving Migration

As part of their review of the 2024 TEMMP report, the KivIA requested that blasting and propane cannon use be summarized in relation to the pre-calving caribou migration to assess potential exposure. Table 21 provides a summary of blast events, while propane cannon use is displayed on Table 22. Helicopter use has also been included in Table 21 as this activity has the potential to expose caribou to high levels of sound. Three blast events overlapped with the caribou pre-calving migration period. Two of these events occurred on 1 and 2 July 2025, respectively, when the Mine was at Caribou Protection System Level 2, while the third occurred on 8 July 2025 when the Mine was at Level 1 (Table 21). No observations of caribou occurred during surveys on these days, with the last observation of an individual caribou observed on 29 June 2025 approximately 800 m from the Mine, while 300 caribou were observed on 28 June 2025 approximately 8,000 m from the Mine (Appendix I). No caribou were observed past these dates, except for two individuals observed on 10 July 2025 approximately 2,000 m from the Mine (Appendix I).

Table 21: Blast Events and Helicopter Use at the Meliadine Mine in Relation to the 2025 Caribou Pre-calving Migration Period

Activity	June																										July															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Blast Event[1]			x				x						x																		x	x							x						
Helicopter Use[1]	x	x	x	x	x	x	x	x	x																																			x
Caribou Migration[2]															Level 1				Level 3									Level 2											Level 1					

[1] Cells with 'x' indicates a blast event or helicopter use.
[2] Caribou Protection System level is provided when implemented.

Table 22: Propane Cannon Use at the Meliadine Mine in Relation to the 2025 Caribou Pre-calving Migration Period

Activity	May																	June																												July																													
	14	15	16	17	18	19	20	21	22	23	24	25	26	27	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	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Propane Cannon[1]	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x																																																																
Caribou Migration[2]																																	Level 1				Level 3																Level 2										Level 1																		

12.5 Calving Range

During 2024, the TAG requested that Agnico Eagle present Qamanirjuaq caribou calving range maps based on caribou telemetry as part of annual TEMMP reporting. A technical memorandum was produced by WSP (2026) to fulfil this request and can be found in Appendix J. The following section summarizes the development and results of the 2025 calving range maps.

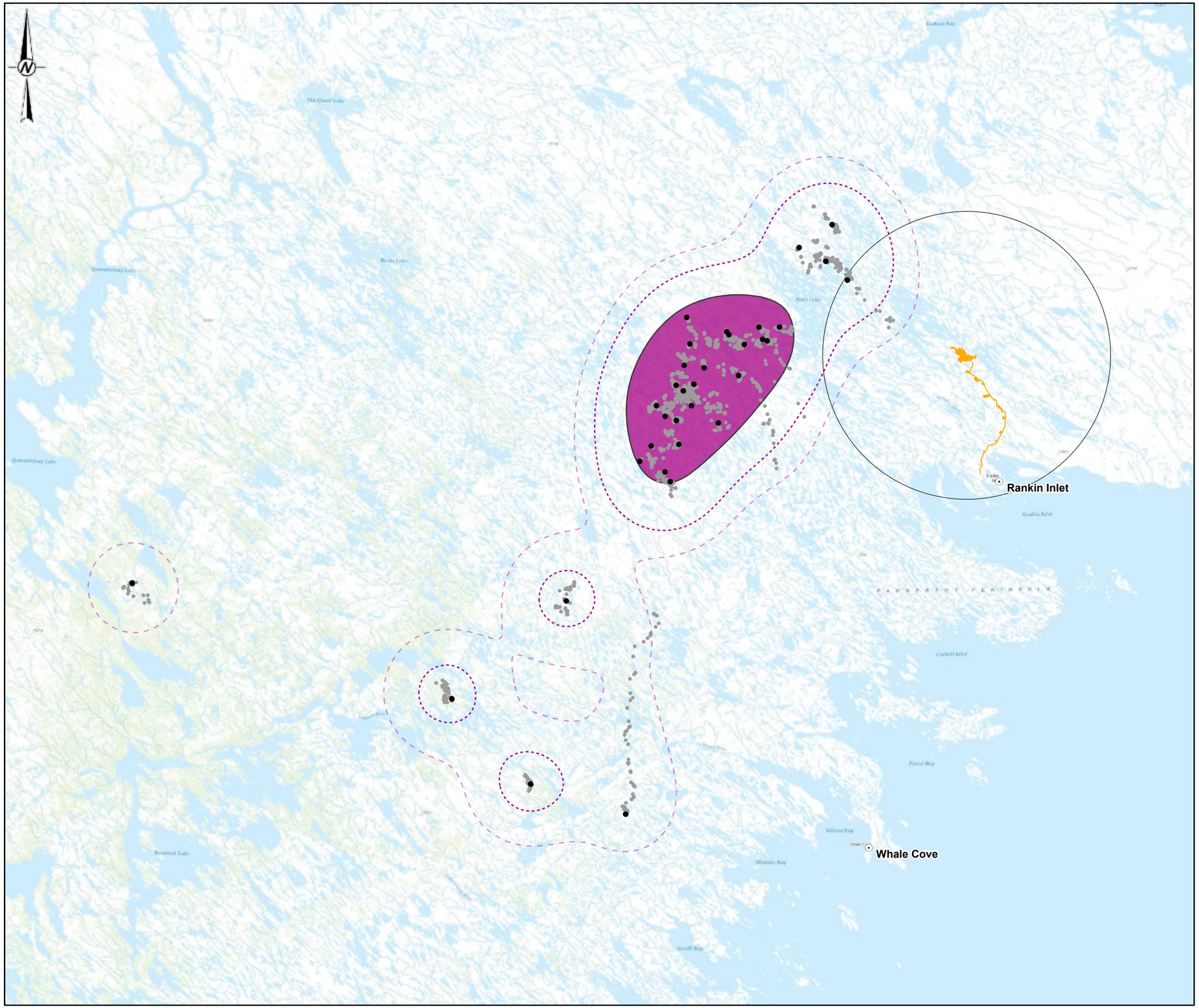
12.5.1 Methods

Qamanirjuaq caribou telemetry data were provided by the GN. Data were cleaned to remove duplicates and visualized to assess for mortality events. The 'Individual-Based Method', or IBM was applied to predict calving dates for Qamanirjuaq females in 2025 (DeMars et al. 2013; Cameron et al. 2018). Consistent with Cameron et al. (2018), caribou movements from 19 May 20254 to 15 July 2025 were used for estimating an IBM model.

Calving ranges for 2025 were developed using the 'Post-Calving Movement Method', which estimates calving ranges using predicted calving sites and telemetry locations from cows with calf-at-heel for 6.25 days, post-calving (WSP 2024b). Using the *adehabitatHR* (Calenge 2006) package in *R* (R Core Team 2023) and a smoothing parameter of 7,043 m, a kernel density estimate (KDE) was developed. The 7,043 m smoothing parameter was selected to align with previous methods (WSP 2024b). Three utilization distributions (i.e., 50%, 80%, and 95%, as recommended by the TAG) were calculated and mapped for each KDE.

12.5.2 Results

A total of 37 caribou from the Qamanirjuaq herd were available in 2025 to test for calving events. Of these 37 caribou, 35 females (95%) had calves, and 2 females (5%) did not have calves. All 35 calving events were used to inform the 95%, 80%, and 50% Utilization Distribution (UD) calving ranges for 2025 (Figure 7). Most predicted calving events occurred west of Peter Lake, suggesting a westward movement of the herd's calving range compared to 2023 and 2024. Calving events in 2025 were less clustered than the previous year, resulting in a larger 95% utilization distribution than observed 2024 (WSP 2025b). The 50% UD for the 2025 calving range did not overlap with the Mine RSA, with only one predicted calving event occurring within the Mine RSA approximately 23.9 km from the nearest Mine feature.



LEGEND

- 2025 CALVING LOCATION
- 2025 TELEMETRY LOCATIONS FROM COWS WITH CALF-AT-HEEL
- COMMUNITY
- MELIADINE DEVELOPED PROJECT FOOTPRINT
- MELIADINE REGIONAL STUDY AREA
- 2025 CALVING RANGE - POST-CALVING MOVEMENT METHOD - 95%
- 2025 CALVING RANGE - POST-CALVING MOVEMENT METHOD - 80%
- 2025 CALVING RANGE - POST-CALVING MOVEMENT METHOD - 50%



0 15 30

1:750,000 KILOMETRES

REFERENCE(S)

1. TOPOGRAPHIC MAP © ESRI AND ITS LICENSORS. USED UNDER LICENSE, ALL RIGHTS RESERVED.
COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT

AGNICO EAGLE MINES LIMITED

PROJECT

MELIADINE GOLD PROJECT
NUNAVUT

TITLE

QAMANIRJUAQ CARIBOU CALVING RANGES FOR 2025

CONSULTANT

YYYY-MM-DD	2026-03-24
DESIGNED	JVE
PREPARED	CDB
REVIEWED	NM
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
CA0060980.7566	2200	0	7

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

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12.6 Accuracy of Impact Predictions

A summary of the impact predictions proposed in the TEMMP (Agnico Eagle 2025a) is provided in Table 23. Though not fully developed, the following thresholds are suggested as a starting point for adaptive management and TEMMP (Agnico Eagle 2025a) refinement and is tested against the results of the 2025 observational data (Table 23).

Table 23: Accuracy of Impact Predictions – Caribou

Monitoring Indicator	Preliminary Threshold	Exceeded in 2025?	Adaptive Management	Monitoring Method	TEMMP Section
Habitat Loss and Degradation	No greater than 2,950 ha of terrestrial habitat loss	Not assessed in 2025	Not Currently Identified	Aerial photographs, satellite imagery, ground surveys, GIS analysis	5.0
Sensory Disturbance	<10% caribou deflections from AWAR	No	Not Currently Identified	Caribou satellite collar data, special studies and caribou behaviour monitoring	N/A
Vehicle Collisions	No more than 1 ungulate/year	No	No action required	Wildlife Sightings Log, Site Surveillance Monitoring, AWAR Road Surveillance, Road Surveillance	9.5
Hunting by Rankin Inlet Residents	After 3 years of data collection in collaboration with the GN[(a)], establish a threshold level	Not assessed in 2024	Not Currently Identified	Hunter Harvest Survey, data collected throughout the year and reported annually	13.0
Other Project Related Mortality	No more than 1 ungulate/year	No	No action required	Wildlife Sightings Log, Site Surveillance Monitoring	9.5
Exposure to Contaminated Water or Vegetation	SLRA – TBD[(b)]	N/A	Not Currently Identified	Vegetation and soil samples	N/A

[(a)] Proposed thresholds will be established in collaboration with the GN and other relevant parties, such as TAG members.

[(b)] Proposed thresholds have yet to be determined. Per the 2025 Vegetation and Soil Monitoring program (Section 6.0), no Mine-related metal exceedances were observed.

AWAR = All-Weather Access Road; GN = Government of Nunavut; SLRA = Screening Level Risk Assessment; TEMMP = Terrestrial Environment Management and Monitoring Plan; N/A = not applicable; <= less than; TBD = to be determined.

13.0 HUNTER HARVEST STUDY

Agnico Eagle signed a Memorandum of Understanding (MOU), in principle, with the KHTO in March 2019 for the development and execution of a Hunter Harvest Study (HHS). The HHS supports Project Certificate No.006 Term and Condition 46 and 48. The HHS was implemented in 2020 and continued through 2025. In 2021, an external consultant, Nunavut Environmental, was contracted to work alongside the KHTO to conduct the study. Nunavut Environmental has continued to complete this study through 2025, along with preparation of the associated report. The full 2025 HHS report (Nunavut Environmental 2026) is provided in Appendix K.

13.1 Methods

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 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 [*Salvelinus alpinus*], lake trout [*Salvelinus namaycush*], lake whitefish [*Coregonus clupeaformis*], and Arctic grayling [*Thymallus arcticus*]) 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 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. Space is provided for each calendar day where harvest details can be documented.

A map is provided at the end of the calendar that delineates a 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 twice in 2025 and once in early 2026 (i.e., June 2025, October 2025, and January 2026) by the harvest study coordinator. During the January 2026 interviews, remaining data from 2025 were collected, a new 2026 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 2025 HHS included:

1) Adding new participants
2) Continuing to include most (i.e., five) outfitters and guides operation out of the Hamlet of Rankin Inlet
3) Building long-term relationships between participants and study facilitators
4) Increasing engagement with participants on social media platforms such as Facebook and Instagram
5) Increasing incentives for participating in the study (e.g., gas vouchers and prizes)

13.2 Results

The 2025 HHS included 69 participants, which was an increase from the 61, 56, and 44 participants in the 2024, 2023, and 2022, studies, respectively. Of the 69 participants in 2025, caribou harvest data were collected from 49 participants, which was higher than the 41, 37, and 31 participants reporting caribou harvest in 2024, 2023, and 2022, respectively. An estimated 300 to 350 active hunters live within the Rankin Inlet community. Based on these numbers, the 49 hunters reporting caribou harvest in 2025 conservatively represents 14% to 16% of total hunters in the community.

In 2025, a total of 622 caribou were harvested by 49 participants in the Rankin Inlet HHS. Given that the 49 hunters may represent an estimated 14% to 16% of the Rankin Inlet hunting community, the total estimated number of caribou harvested in 2025 was between 3,888 to 4,443 animals, which is lower than estimates in 2024 (i.e., 5,064 to 5,908 animals) and 2022 (i.e., 5,470 to 6,077 animals), and comparable to estimates in 2023 (i.e., 4,025 to 4,390 animals. This estimate appears to be conservative since participants likely represented a higher proportion of successful hunters in the community.

The 2025 HHS data indicated that 4.1% of reported harvest occurred within 5 km of the AWAR (6.1% and 5.0% in 2024 and 2023, respectively), and 7.0% occurred within the RSA (25.2% and 26.9% in 2024 and 2023, respectively; see Table 24). During the Nunavut Wildlife Management Board (NWMB) study from 1996 to 2001, 24.8% of reported harvest was within the RSA. The pooled HHS data (i.e., from 2021 to 2025) suggest that the presence of the AWAR and the Mine has not greatly changed the relative amount of hunting within the RSA (i.e., percent of total harvest), though rates of hunting were quite lower in 2025 than previous years.

Table 24: Caribou Harvest Distribution Along the AWAR and within the Rankin Inlet LSA and RSA (1996 to 2001 [NWMB], and 2021 to 2025 [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
Rankin Inlet HHS 2024	29.3	3.6	6.1	2.8	25.2
Rankin Inlet HHS 2025	8.2	1.8	4.1	0.5	7.0
Average (2021 to 2025)	19.2	3.5	4.1	2.7	21.6

AWAR = All-weather Access Road; HHS = Hunter Harvest Study; LSA = Local Study Area; NWMB = Nunavut Wildlife Management Board; RSA = Regional Study Area.

A total of 45 muskox, 10 wolverine, and 25 wolves were harvested in 2025. Other reported harvested terrestrial mammals included one American marten, three Arctic fox, two polar bear, and one red fox (*Vulpes vulpes*). In the marine environment, beluga whale (56 individuals) was the most common species harvested, followed by ringed seal (*Pusa hispida*; 29 individuals), narwal (*Monodon monoceros*; 4 individuals), bearded seal (*Erignathus barbatus*; 3 individuals), walrus (*Odobenus rosmarus*; 2 individuals), and harbour seal (*Phoca vitulina*; 1 individual).

Equivalent birds were harvested by Rankin Inlet participants in 2025 and 2024 (441 birds each year), which is higher than in 2023 (202 birds), 2022 (136 birds), and 2021 (394 birds). In 2025, Canada goose and snow goose were harvested at the highest levels and comprised 73% of all harvest bird species. Common eider, greater white-fronted goose (*Anser albifrons*), herring gull (*Larus argentatus*)., loon sp., northern pintail (*Anas acuta*), ptarmigan sp., tundra swan, and willow ptarmigan (*Lagopus lagopus*) were also harvested.

Arctic char (1,931 fish), lake trout (412 fish), and Arctic cod (*Arctogadus glacialis*; 46 fish) were the most common species caught by anglers. Relatively small numbers of Arctic grayling (8 fish) and burbot (*Lota lota*; 2 fish) were caught in 2025, while lumpfish (*Cyclopterus lumpus*; 10 fish) is a new species that has not been previously reported.

13.3 Recommendations

The Rankin Inlet Hunter Harvest Study 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 at certain intervals throughout the year will be particularly important in maintaining contact, building relationships, expanding the study, collecting good harvest data, and determining a more accurate estimate of total active hunters in the community. Furthermore, ongoing collaboration with the KHTO will ensure that the HHS program runs smoothly, incorporates local IQ and TK and community concerns, and increases participant rates.

Participation rates can be maintained by continuing to use social media platforms, 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 2025, recruitment efforts resulted in new participants joining the study. Recruitment efforts should be ongoing to bring on other participants in 2026. A caribou harvest threshold will be discussed within the TAG prior to including this information in the TEMMP.

14.0 CLOSURE

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

Your Truly,

WSP Canada Inc.

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NM/DC

https://wsponlinecan.sharepoint.com/sites/ca-2024ca347566/shared documents/05. technical/04_reporting/draft temmp report/v2/rev0/ca0060980.7566-mel2026_009-r-agnicoeagle_2025_temmp_aem_clean.docx

15.0 REFERENCES

Agnico Eagle (Agnico Eagle Mines Limited). 2018. Agnico Eagle Mines Limited – Meliadine Division. 2017 Terrestrial Effects Monitoring and Mitigation Program Annual Report. Prepared for the Meliadine Division by WSP (WSP Canada Inc.).

Agnico Eagle (Agnico Eagle Mines Limited). 2020. Agnico Eagle Mines Limited – Meliadine Division. 2019 Terrestrial Effects Monitoring and Mitigation Program Annual Report. Prepared for the Meliadine Division by WSP.

Agnico Eagle. 2019. Wildlife Protection and Response Plan. Version 8, January 2019.

Agnico Eagle. 2022a. Terrestrial Environment Management and Monitoring Plan (TEMMP) – Meliadine Division, Nunavut. Prepared by Agnico Eagle – Environmental Department. Version 4, April 2022.

Agnico Eagle. 2022b. Meliadine Gold Mine 2021 Annual Report. Appendix 26: Terrestrial Effects Monitoring and Mitigation Program Annual Report. Prepared for the Meliadine Division by WSP.

Agnico Eagle. 2023. Agnico Eagle Mines Limited – Meliadine Division 2022 Terrestrial Environment Management and Monitoring Plan Annual Report. Submitted to Agnico Eagle Mines Limited. Prepared by WSP. 541 pp.

Agnico Eagle. 2025a. Terrestrial Environment Management and Monitoring Plan (TEMMP) – Meliadine Division, Nunavut. Prepared by Agnico Eagle – Environmental Department. Version 5, March 2025.

Agnico Eagle. 2025b. Agnico Eagle Mines Limited – Meliadine Division 2024 Terrestrial Environment Management and Monitoring Plan Annual Report. Submitted to Agnico Eagle Mines Limited. Prepared by WSP.

Arctic Raptors Inc. 2025. 2024 Raptor Monitoring Program Summary. Prepared for prepared for Agnico Eagle Mines Limited. 26 p.

Banfield AWF. 1954. Preliminary investigation of the barren ground caribou. Wildlife Management Bulletin Series 1: 10A and 10B.

Bart J, Andres B, Brown S, Donaldson G, Harrington B, Johnston V, Jones S, Morrison G, Skagen S. 2005. The program for Regional and International Shorebird Monitoring (PRISM). USDA Forest Service Gen. Tech. Rep. PSW-GTR-191: 893-901.

BEARWISE. 2023. Bear Safety Site Audit Report, Agnico-Eagle Mining, Meliadine Mine Site – April 2023. Prepared by Andy McMullin. 15pp.

Beery S, Morris D, Yang S. 2019. Efficient Pipeline for Camera Trap Image Review. arXiv. https://arxiv.org/abs/1907.06772

BQCMB (Beverly and Qamanirjuaq Caribou Management Herd). 1999. Protecting Beverly and Qamanirjuaq Caribou and Caribou Range – Part 1: Background Information. 40 p.

Burt PM. 1997. Diavik Diamond Project Vegetation Baseline Studies - Plant Associations and Habitat Types and Plant Species List.

Calenge, C. 2006. The package adehabitat for the R software: A tool for the analysis of space and habitat use by animals. Ecological Modelling 97: 516-519

Campbell MW, Shaw JG, Blyth CA. 2012 Kivaliq Ecological Land Classification Map Atlas: A Wildlife Perspective. Government of Nunavut. Department of the Environment. Technical Report Series 1-2012. 274pp.

Campbell MW, Kelly A, Croft B, Shaw JG, Blyth CA. 2014. Barren-ground Caribou in Nunavut and Northwest Territories – Map Atlas. Government of Nunavut, Department of Environment. Government of Northwest Territories, Department of Environment and Natural Resources. Technical Report in preparation.

Campbell MW, Boulanger J, Ringrose J, Lee DS. 2023. Estimating Abundance of the Qamanirjuaq Mainland Migratory Barren-Ground Caribou Subpopulation – June 2022. NWMB Final Report #0000000020. Government of NU. 93 p.

CESCC (Canadian Endangered Species Conservation Council List) 2010. Non-Native Species and Invasive Species in Nunavut.

CESCC. 2022. Wild Species 2020: The General Status of Species in Canada. National General Status Working Group. ISBN 978-1-7387673-2-8

Coulton DW, Virgl JA, English C. 2013. Falcon nest occupancy and hatch success near two diamond mines in the Southern Arctic, Northwest Territories. Avian Conservation and Ecology 8:14, http://dx.doi.org/10.5751/ACE-00621-080214.

DDMI (Diavik Diamond Mines Inc.). 1998. Environmental Effects Report, Wildlife. Yellowknife, Northwest Territories.

EC (Environment Canada – Avian Monitoring Review Steering Committee). 2012. Environment Canada Avian Monitoring Review – Final Report. Environment Canada, Ottawa, ON, xii + 170 pages + 3 appendices. [Accessed January 2026]: https://publications.gc.ca/site/fra/422608/publication.html

EDI (Environmental Dynamics Inc.). 2026. Agnico Eagle Mines Ltd. Meliadine Arctic Raptor Nest Monitoring Program – 2025 Summary Report. Prepared for Agnico Eagles. 12 pp + appendices.

Elbroch M. 2003. Mammal Tracks and Sign-A Guide to North American Species. Stackpole Books. Mechanicburg. 778 p

ERM (ERM Consultants Canada Ltd.). 2026a. Meliadine Project, Caribou Behaviour Study, 2025. February 2026. Prepared for Agnico Eagle Mines Limited. 39 pp. + appendices.

ERM. 2026b. Meliadine Mine, 2025 Soil and Vegetation Monitoring Program Results. Prepared for Agnico Eagle Mines Limited. 53 pp + appendices.

ERM. 2026c. Meliadine Mine: Invasive Plant Species Monitoring Report. March 2026. Prepared for Agnico Eagle Mines Limited. 12 pp.

ERM. 2026d. Meliadine Mine, Caribou Trail Camera Study Compilation Report, 2020 to 2025. February 2026. Prepared for Agnico Eagle Mines Limited. 34 p + appendix.

Fennell M, Beirne C, Burton AC. 2022. Use of object detection in camera trap image identification: assessing a method to rapidly and accurately classify human and animal detections for research and application in recreation ecology. Global Ecology and Conservation 35:e02104.

Golder (Golder Associates Ltd.). 2014. Final Environmental Impact Statement (FEIS) – Meliadine Gold Project, Nunavut. Submitted to Nunavut Impact Review Board. April 2014.

Golder. 2015. Terrestrial Environmental Management Monitoring Plan (TEMP). Meliadine Gold Project, Nunavut. Prepared for Agnico Eagle Mines Limited. Rankin Inlet, NU.

Golder. 2018. 2017 Terrestrial Effects Monitoring and Mitigation Program Annual Report-Agnico Eagle – Meliadine Division. Prepared for Agnico Eagle Mines Limited. Rankin Inlet, Nunavut.

Golder. 2020. 2019 Terrestrial Effects Monitoring and Mitigation Program Annual Report. Meliadine Division. Prepared for Agnico Eagle Mines Limited. Rankin Inlet, Nunavut.

Golder. 2021. 2020 Terrestrial Effects Monitoring and Mitigation Program Annual Report. Meliadine Division. Prepared for Agnico Eagle Mines Limited. Rankin Inlet, Nunavut.

Government of Alberta. 2013. Sensitive Species Inventory Guidelines. April 2013. v + 128 p.

Government of Canada. 2026. Species at risk public registry. [accessed January 2026]. https://species-registry.canada.ca/index-en.html#/species?sortBy=commonNameSort&sortDirection=asc&pageSize=10

Heard D, Calef GW. 1986. Population Dynamics of the Qamanirjuaq Caribou Herd, 1968 – 1985. Rangifer, Special Issue No. 1:159-166.

Jalkotzy MG. 1999. Baseline studies of wildlife populations in the Meliadine River Baseline, Nunavut: May-December 1998. Prepared for WMC International Inc. Prepared by Arc Wildlife Services Ltd. Calgary, AB.

Jalkotzy MG. 2000. Baseline studies of wildlife populations in the Meliadine River Baseline, Nunavut: May-December 1999. Prepared for WMC International Inc. Prepared by Arc Wildlife Services Ltd. Calgary, AB.

Jalkotzy MG. 2001. Baseline studies of wildlife populations in the Meliadine River Baseline, Nunavut: 2000. Prepared for WMC International Inc. Prepared by Arc Wildlife Services Ltd. Calgary, AB.

Kellner KF, Smith AD, Royle JA, Kery M, Belant JL, Chandler RB. 2023. The unmarked R package: Twelve years of advances in occurrence and abundance modelling in ecology. Methods in Ecology and Evolution, 14(6), 1408–1415. https://www.jstatsoft.org/v43/i10/.

Kelsall JP. 1968. The Migratory Barren-Ground Caribou of Canada. Canadian Wildlife Service Monograph. Number 3. Ottawa. 326-339.

Lai S, Berteaux D. 2013. Technical Manual for Monitoring Foxes in the Arctic-Version 1. Canada Research Chair on Northern Biodiversity, University du Québec à Rimouski, Québec, 25 p.

Macpherson AH. 1969. The dynamics of Canadian arctic fox populations. Canadian Wildlife Service Report Series — Number 8. Ottawa. 54 p.

Murie OJ. 1989. Le guide des traces d'animaux. Les guides Peterson. Broquet. St-Constant. 363 p.

Naeth MA, Wilkinson S. 2006. Lichens as bioindicators of dust distribution and monitoring at Diavik Diamond Mine, Northwest Territories. Final Report. Submitted to Environmental Division. Diavik Diamond Mines Ltd. NWT.

Nunavut Environmental (Nunavut Environmental Consulting Ltd.). 2026a. Meliadine Gold Mine Project – 2025 Shoreline Waterbird Surveys and PRISM Plot Summary Report v3, 09 January 2026.

Nunavut Environmental. 2026b. Meliadine Mine – 2025 Hunter Harvest Study and Creel Survey Summary Report. March 2026.

Oksanen JF, Blanchet G, Friendly M, Kindt R, Legendre P, McGlinn D, Minchin PR, O'Hara RB, Simpson GL, Solymos P, Stevens MHH, Szoecs E, Wagner H. 2019. Vegan: Community Ecology Package. R package version 2.5-4. https://CRAN.R-project.org/package=vegan

Parker GR. 1972. Biology of the Kaminuriak Population of Barren-Ground Caribou Part 1. Canadian Wildlife Service Report Series Number 20. 88pp.

R Core Team. 2023. R: A language and environment for statistical computing. R foundation for Statistical Computing, Vienna, Austria. URL https://www.R-project.org/

R Core Development Team. 2024. R: A language and environment for statistical computing. R Foundation for Statistical Computing (v4.4.2), Vienna, Austria. https://www.R-project.org/.

R Core Development Team. 2025. R: A language and environment for statistical computing. R Foundation for Statistical Computing (v4.5.1), Vienna, Austria. https://www.R-project.org/.

Thomas DC. 1969. Population estimates and distribution of barren-ground caribou in Mackenzie District, Northwest Territories, Saskatchewan, and Alberta – March to May 1967. Canadian Wildlife Service Report Series Number 9.

Thomas DC. 1998. Fire-Caribou Relationships: (V) Winter Diet of the Beverly Herd in Northern Canada, 1980 to 1987. Technical Report Series No. 313. Canadian Wildlife Service, Edmonton, AB.

Wakelyn L. 1999. The Qamanirjuaq caribou herd – an arctic enigma. Beverly and Qamanirjuaq Management Board. Stonewall, MB.

WSP (WSP Canada Inc.). 2023a. Meliadine Gold Mine 2022 Terrestrial Effects Monitoring and Mitigation Program Annual Report. Prepared for Agnico Eagle Mines Limited by WSP Canada Inc.

WSP. 2023b. Commitment 38 Analyses – Revision 1: Caribou movements relative to Meliadine Mine and other factors. Technical report prepared for Agnico Eagle Mines Limited. 60 pp.

WSP. 2023c. Commitment 38 analyses: Addendum. Technical memorandum prepared for Agnico Eagle Mines Limited. 22 pp.

WSP. 2024a. Meliadine Gold Mine 2023 Terrestrial Effects Monitoring and Mitigation Program Annual Report. Prepared for Agnico Eagle Mines Limited by WSP Canada Inc.

WSP. 2024b. 2023 Calving Range Maps. Prepared for Agnico Eagle Mines Limited by WSP Canada Inc.

WSP. 2025a. Responses to Technical Comments on the Commitment 38 Report and Addendum. Prepared for Agnico Eagle Mines Limited by WSP Canada Inc.

WSP. 2025b. 2024 Calving Range. Technical Memorandum Prepared for Agnico Eagle Mines Limited by WSP Canada Inc.

WSP. 2026. 2025 Calving Range. Technical Memorandum Prepared for Agnico Eagle Mines Limited by WSP.

APPENDIX A

2025 Soil and Vegetation Monitoring Program Results

PREPARED FOR

AGNICO EAGLE

Meliadine Mine

2025 Soil and Vegetation Monitoring Program Results

DATE
February 2026

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Meliadine Mine

2025 Soil and Vegetation Monitoring Program Results

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ACRONYMS AND ABBREVIATIONS

Agnico Eagle	Agnico Eagle Mines Limited
AIC	Akaike information criterion
AQMP	Air Quality Monitoring Plan
AWAR	Meliadine Mine All-Weather Access Road
BAF	bioaccumulation factor
BTV	background threshold value
BV Labs	Bureau Veritas Labs
CCME	Canadian Council of Ministers of the Environment
cm	centimetre
CNPS	California Native Plant Society
CVAA	Cold Vapour Atomic Absorption
FCSAP	Federal Contaminated Sites Action Plan
FEIS	Final Environmental Impact Statements
g	gram
ICPMS	Inductively Coupled Plasma Mass Spectrometry
km	kilometre
m	metre
m^2	metre squared
the Mine site	the Meliadine Mine
NIRB	Nunavut Impact Review Board
PCA	Principal Component Analysis
the Program	the soil and vegetation monitoring program
Q2	second quarter (of the year)
QA/QC	quality assurance and quality control
SOP	standard operating procedure
T&C	Terms and Conditions
TEMMP	Terrestrial Environment Management and Monitoring Plan
TSF	Tailings Storage Facility
USDOE	US Department of Energy
USEPA	US Environmental Protection Agency
UTL	upper tolerance limit
WRSF	Waste Rock Storage Facility

1. INTRODUCTION

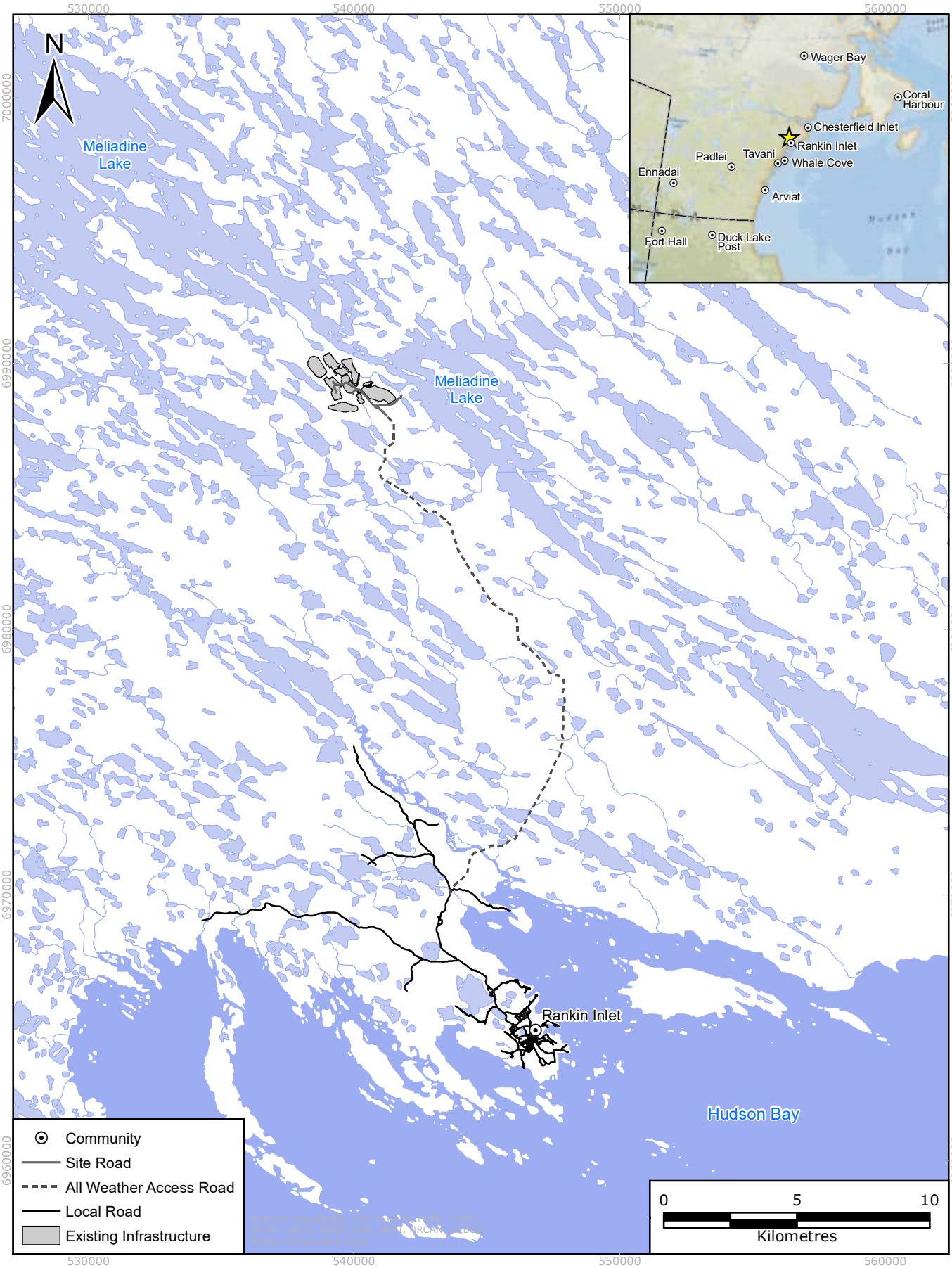
The Meliadine Mine (the Mine Site), a gold mine owned and operated by Agnico Eagle Mines Limited (Agnico Eagle), is located approximately 25 kilometres (km) directly north of Rankin Inlet. The 30 km Meliadine Mine All-Weather Access Road (AWAR) connects the Mine to Rankin Inlet. The Rankin Inlet Bypass Road was constructed to the south and west of Rankin Inlet to allow Mine traffic to circumvent the hamlet of Rankin Inlet when travelling from the AWAR to Itivia Harbour (i.e., Melvin Bay), southwest of Rankin Inlet (Figure 1-1).

The 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 the second quarter (Q2) of 2019. In 2019, the 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 treated saline effluent via truck 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 waterlines needed to convey treated saline effluent from the Mine to Itivia Harbour. To date, only a portion of the NIRB approved Project Footprint has been constructed.

As per NIRB Terms and Conditions (T&C), ongoing monitoring of metal concentrations is required for snow, dust, and lichen at near, far, and reference sites (T&C 1), and soils in areas with berry-producing plants (T&C 38). Dust monitoring is also required along the AWAR and associated roads and trails (T&C 3). Additionally, vegetation distribution, abundance, and health monitoring is required of vegetation species used as caribou forage (T&C 39). Programs designed to address these conditions are outlined in the Terrestrial Environment Management and Monitoring Plan (TEMMP; Agnico Eagle 2025a) and have been implemented since 2017. Monitoring information and the vegetation mitigation and management plans in the TEMMP are reviewed on an annual basis and adjusted as required to effectively prevent or reduce the potential for significant adverse project effects on vegetation abundance, diversity, and health, taking into account lessons learned at other northern mining developments where appropriate (T&C 40).

In 2025, the soil and vegetation monitoring program (the Program) was redesigned to better characterize if metals are bioaccumulating in the soil, berry-producing plants, and lichen due to offsite dust deposition. The first year of data for the redesigned program was collected between 22 July and 6 August 2025. The program design, methods, and results are described in this report.

FIGURE 1-1 MELIADINE GOLD PROJECT LOCATION



ERM

CLIENT: AGNICO EAGLE MINES LIMITED
GIS NUMBER: MEL-23-041

DATE: 02/13/2024

PROJECTION: NAD 1983 UTM Zone 15N
SCALE: 1:200,000 when printed at 8.5x11

2. PURPOSE AND OBJECTIVES

The Program has been developed to meet relevant T&C (NIRB 2022; Table 2-1). The objective of the redesigned program is to monitor and assess the health of vegetation near the Mine areas to track potential dust related effects on vegetation (Agnico Eagle 2025a).

TABLE 2-1 RELEVANT REQUIREMENTS FROM NUNAVUT IMPACT REVIEW BOARD TERMS AND CONDITIONS

T&C	T&C Requirements
No. 1: Air Quality	Prior to commencing construction activities, the Proponent shall update its Air Quality Monitoring Plan, and shall consider installing two real-time air monitoring stations in advance of mining operations. The updated plan shall include, but is not limited to, details regarding the following: a. Description of real-time air monitoring stations including proposed timing of installation, location, and any factors considered with regards to planning for the installation; b. Plans for the collection of total suspended dust samples year round, including sampling for metals content relevant to the Project; c. Description of snowpack surveys and dustfall collectors; d. Description of lichen surveys; e. Identification of near field, far field and reference sites that are located with consideration of ambient wind conditions; f. Baseline data collected prior to significant construction activity; and A description of the proposed annual reporting mechanism and response framework.
No. 3: Air Quality	Prior to commencing construction activities the Proponent shall update its dust management and monitoring plan to address and/or include the following additional items: a. Align plan requirements with commitments made in the FEIS and during the Final Hearing to monitor dust along the all-weather access road and associated roads and trails. b. Verify commitments to the utilization of dust suppressants along the all-weather access road including and associated roads and trails, including a description of the type of suppressant to be utilized, the frequency and timing of applications to be made throughout the various seasons of road use. Outline the specific adaptive management measures to be considered should monitoring indicate that dust deposition is higher than predicted, specifically where traffic along the all-weather access road is greater than initially predicted.
No. 38: Vegetation	The Proponent shall conduct sampling to determine baseline levels for metals in soils found in areas with berry-producing plants near the Project area, and shall update relevant vegetation sections within the Terrestrial Management and Monitoring Plan to incorporate ongoing monitoring of these parameters prior to commencing operations.
No. 39: Vegetation	The Proponent shall develop and establish an on-going monitoring program to determine the distribution, abundance, and health of vegetation species used as caribou forage (such as lichens) near Project areas, prior to commencing operations.
No. 40: Vegetation	The Proponent shall review, on an annual basis, all monitoring information and the vegetation mitigation and management plans developed under its Environmental Management Plan and Terrestrial Environment and Monitoring Plan (TEMMP) and adjust such plans as may be required to effectively prevent or reduce the potential for significant adverse project effects on vegetation abundance, diversity and health, taking into account lessons learned at other northern mining developments where appropriate.

Notes:
AWAR = Meliadine Mine All-Weather Access Road; T&C = (Nunavut Impact Review Board) Terms and Conditions

3. SOIL AND VEGETATION SAMPLING HISTORY

In alignment with the T&Cs (Table 2-1), Agnico Eagle commenced a soil and vegetation sampling program in 2017 on a three-year resampling interval. The program was designed to include onsite, near-site, and reference sampling locations. Onsite and near-site sampling locations were located around the main dust-generating sources (based on lessons learned from Agnico Eagle's Meadowbank Mine) including the AWAR, WRSF and TSF. The reference sites were located southwest and west of the Mine area, upwind from mine related activities. At each sampling site, lichen and vascular plant tissue samples were collected for chemical analysis, with berries collected as available. Co-located soil samples were also collected at each sampling site. The analytical results of the original soil and vegetation sampling program were compared to Canadian Council of Ministers of the Environment (CCME) guidelines, as was done in the baseline (2008, 2009). This program was repeated in 2019 (first year of operations), and in 2022, with minor adjustments made to onsite and near-site sampling locations as the Mine footprint expanded over time.

As part of Agnico Eagle's commitment to continuous improvement, further adjustments were made to the original soil and vegetation sampling program since 2022, as detailed in Section 4. The redesigned program builds on the historical dataset, providing comparisons between years to describe metal concentrations in the environment around the Mine while also describing the relationships observed between the various environmental media sampled.

4. PROGRAM OVERVIEW

Table 4-1 summarizes how the Program addresses the requirements of the relevant T&Cs.

TABLE 4-1 SOIL AND VEGETATION MONITORING PROGRAM COMPLIANCE

T&C	Relevant Program Component	Relevant Section(s)
T&C No. 1: Air Quality	• Dust sampling program co-located with snow chemistry sample locations. • Lichen sampling. • Sampling locations and transect distances developed in consideration of near, far, and reference sites identified in the AQMP.	• Section 3.2, Sample Locations • Section 3.3.1, Samples for Health
T&C No. 3: Air Quality	• Two sampling transects radiating in opposite wind directions from the AWAR.	• Section 3.2, Sample Locations
T&C No. 38: Vegetation	• Soil and berry-producing plant part sampling (e.g., leaves, berries).	• Section 3.3.1, Samples for Health
T&C No. 39: Vegetation	• Soil and berry-producing plant part sampling (e.g., leaves, berries). • Assessment of vegetation distribution and abundance at each sampling location.	• Section 3.3.1, Samples for Health • Section 3.3.2, Samples for Abundance and Distribution
T&C No. 40: Vegetation	• Program updates undertaken to understand project effects on vegetation.	• Section 3.2, Sample Locations • Section 3.3, Sample and Data Collection

Notes:
AQMP = Air Quality Monitoring Plan; AWAR = Meliadine Mine All-Weather Access Road; program = soil and vegetation monitoring program; T&C = (Nunavut Impact Review Board) Terms and Conditions

4.1 SOIL AND VEGETATION MONITORING PROGRAM LAYOUT

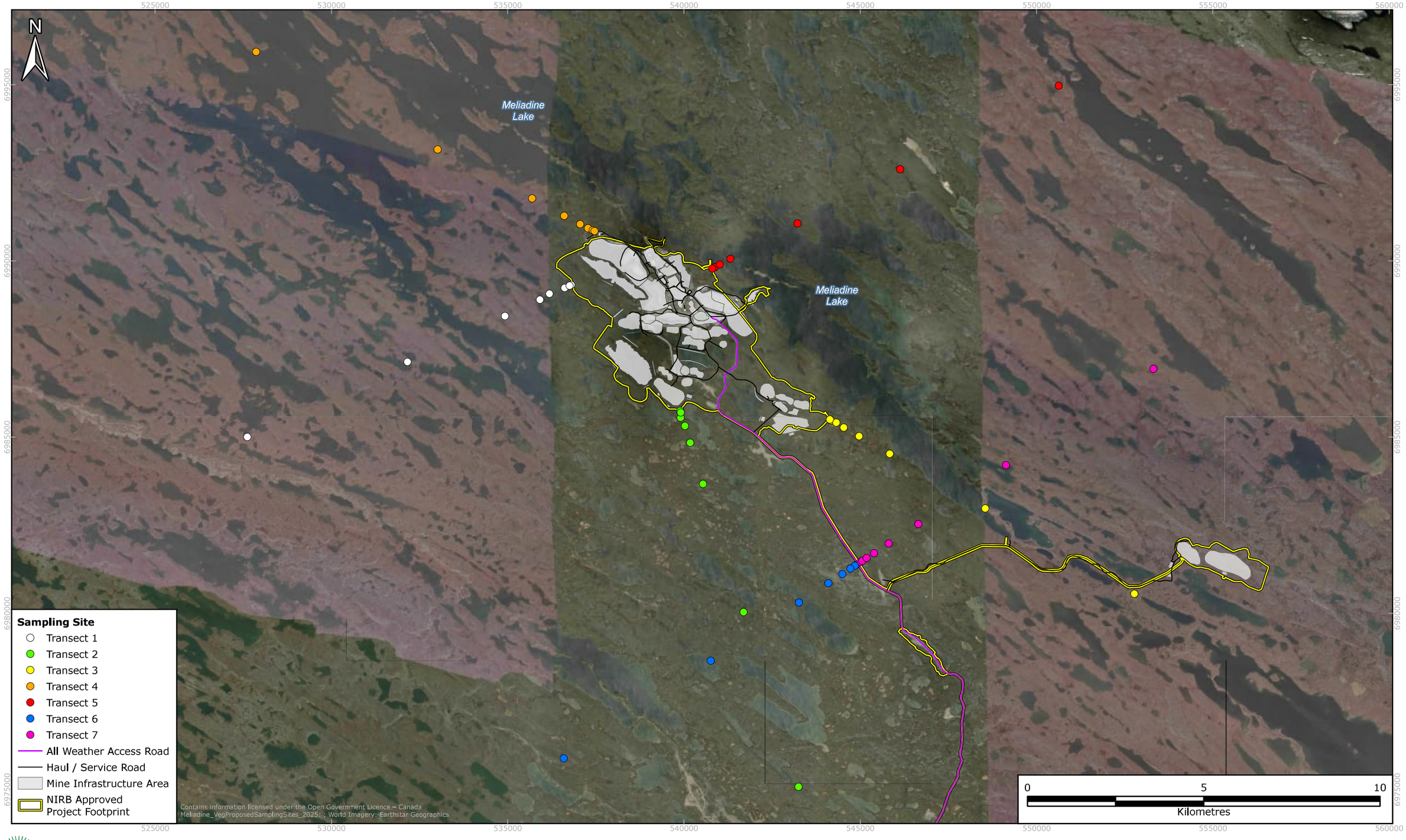
The sampling layout chosen for the Program incorporates the prevailing wind direction and alignment with other monitoring programs (e.g., Air Quality Monitoring Plan (AQMP); Agnico Eagle 2025c). The sampling layout loosely resembles a five-point star (Figure 4.1-1), with each transect originating from the NIRB approved Project Footprint (2014). Use of the NIRB approved Project Footprint instead of current area of disturbance was done to avoid the potential loss of sampling sites to Mine development over time. Two additional transects radiating perpendicular to the AWAR alignment were established at the same location as an existing dust sampling transect (Figure 4.1-1).

4.1.1 SAMPLE LOCATIONS

There are seven transects, each 10 km long, the details of which are as follows:

- Five transects radiating from the NIRB approved Project Footprint (Figure 4.1-1).
  - One transect (Transect 4) located upwind (northwest) of the NIRB approved Project Footprint.
  - Two transects (Transect 1 and Transect 5) located crosswind (Transect 1 to the west, Transect 5 to the east) of the NIRB approved Project Footprint.

FIGURE 4.1-1 MELIADINE MINE METAL SAMPLING PROGRAM LAYOUT



ERM

CLIENT: Agnico Eagle Mines Limited
GIS NUMBER: MEL-20-010-02

DATE: 02/04/2026

PROJECTION: NAD 1983 UTM Zone 15N
SCALE: 1:100,000 when printed at 11x17

    - Two transects (Transect 2 and Transect 3) located downwind (Transect 2 to the south, Transect 3 to the southeast) of the NIRB approved Project Footprint, downwind of dust-generating sources such as the Tailings Storage Facility (TSF) and Waste Rock Storage Facilities (WRSF).
- Two transects radiating perpendicular to the AWAR alignment where an existing dust sampling transect exists (DF-3; Transect 6 and Transect 7 on Figure 4.1-1).

Sampling sites were established at regular intervals along each transect for a total of eight samples per transect. The sites occur at 50 m, 100 m, 250 m, 500 m, 1,000 m, 2,000 m, 5,000 m, and 10,000 m from the NIRB approved Project Footprint. These locations were intentionally distributed to capture spatial trends in effects (dust, vegetation health and abundance, soil metal concentrations). The rationale for each sampling location is as follows:

- 50 m: Provides an important first clustered data point for the expected decreasing trend.
- 100 m: Second clustered data point to capture rate of change for the expected decreasing trend.
- 250 m: Third clustered data point to capture rate of change for the expected decreasing trend.
- 500 m: Represents the outer extent of the Mine Site Study Area in the dust modelling from the Final Environmental Impact Statement (FEIS; Golder 2014b).
- 1,000 m: Tests if effects extend beyond the 500 m Mine Site Study Area from the FEIS.
- 2,000 m: Tests if effects extend beyond the 1,000 m sampling location.
- 5,000 m: Distance from the Mine Site within which all identified sensitive receptors from the FEIS are located.
- 10,000 m: Reference site based on 2023 sample results and AQMP.

Transect 5 is the one exception to the design, with only seven sampling sites in that transect due to the presence of large waterbodies to the east of the Mine Site. The sampling locations along Transect 5 are as follows: 50 m, 100 m, 250 m, 500 m, 2,000 m, 5,000 m, 10,000 m.

4.1.2 SAMPLE AND DATA COLLECTION

Multiple sample types (i.e., soil, leaf, berry, lichen, and snow samples) and field data were collected at each sampling site to address all key program requirements and are described in the following subsections.

4.1.2.1 SAMPLES FOR HEALTH

Composite samples of soil, berry-producing plant parts (i.e., leaves and berries, where available), lichen, and snow chemistry (dust) within a 5 m radius of the centre waypoint were collected at each sampling site.

To improve sample homogeneity and reduce variability in the analytical results, leaves of berry-producing plants were collected as these are consistently available for sampling. Berries were collected opportunistically when present.

4.1.2.2 SAMPLES FOR ABUNDANCE AND DISTRIBUTION

At each sampling site, one permanent 1 metre squared (m^2) quadrat was established to record plant vigour and percent cover of major substrates, including lichen, vascular plants, and bare soil and rock.

4.1.3 NUMBER OF SAMPLES

A minimum of 40 sampling sites were determined to provide sufficient power (i.e., power of 0.8 at a significance threshold [α] of 0.05) to detect medium to large effects (i.e., changes in the relevant environmental components) in the sampled environmental media. With seven transects and eight sampling sites per transect (except for Transect 5 which only has seven sampling sites), the total number of sampling sites targeted in 2025 was 55. Table 4.1-1 summarizes the target total number of samples collected and notes exceptions.

At each of the 55 sampling sites making up the eight transects, four sample types were collected, along with berries when available (Section 4.1.2.1). One of the sampling sites on Transect 2 is a wet tundra ecosystem that does not have lichen available for sampling. In total and excluding the berry samples which are expected to vary year over year, 219 samples were collected. An additional 10% of samples were collected for quality assurance and quality control (QA/QC) purposes (n = 22) for a total of 241 samples.

TABLE 4.1-1 TARGET TOTAL NUMBER OF SAMPLES

Sample Type	Number of Transects[a]	Number of Sampling Sites per Transect[b]	Target Number of Samples[c]
Soil	7	8	55
Berry-producing plant leaves	7	8	55
Berries[d]	*7*	*Collected opportunistically*	*Collected opportunistically*
Lichen	7	8	54
Snow chemistry	7	8	55

Notes:
[a] Mine Site transects = 5; AWAR transects = 2.
[b] Transect 5 has seven sampling sites.
[c] There is no lichen at the Transect 2, 250 m sampling site; the ecosystem is classified as wet tundra.
[d] Total number of berry samples may vary annually based on availability.

5. ENVIRONMENTAL THRESHOLDS

Since the baseline data collection program (2008–2009), metal concentrations were compared against general thresholds from CCME guidelines (CCME 2024). The CCME agricultural soil quality guideline was used because it includes considerations for potential metal exposures to transient and resident wildlife species, as well as native flora (CCME 2006). However, the agricultural CCME guidelines lack site-specific relevance and are lower than the expected metal concentrations for samples collected in mineralized areas (e.g., gold-bearing geology) for certain metals, including arsenic, boron, copper, molybdenum, and selenium (Table 5-1). To account for the naturally elevated metal concentrations in mineralized areas, site-specific background threshold values (BTVs) can provide more relevant thresholds for assessing effects of the Mine. Consequently, BTVs will be used in place of CCME values where they are higher than current CCME values. Conversely, where metals are at low concentrations around the NIRB approved Project Footprint and CCME values remain higher than the data-derived BTVs, CCME values will continue to be used as the benchmark. BTV values also provide a useful benchmark value for metals without available CCME values (Table 5-1).

Site-specific, data-derived BTVs are widely used to provide locally relevant thresholds for determining whether post disturbance samples contain elevated concentrations of a given metal (US Environmental Protection Agency (USEPA) 2015; FCSAP 2019; BC-MOE 2023). BTVs are calculated using an upper tolerance limit (UTL) that represents an upper confidence limit on a specific percentile of the population (USEPA 2015). It is defined by two parameters: confidence (the degree of certainty that the calculated limit accurately reflects the true upper limit) and coverage (the proportion of future observations expected to fall below the limit). Established guidelines from the United States Environmental Protection Agency (USEPA 2002, 2015) provide detailed methods for sampling baseline soils and calculating BTVs. This framework is recommended by British Columbia's (BC's) Ministry of Environment and Climate Change Strategy (BC-MOE 2023) and Environment and Climate Change Canada (FCSAP 2019).

Site-specific, data-derived BTVs were calculated using two existing datasets: the baseline dataset that includes soil samples collected in 2008 and 2009 prior to the construction of the Mine, and the reference dataset that includes soil samples collected between 2017 and 2023 at sampling locations more than 5 km from the Mine Site. Historically, samples located more than 5 km from the Mine Site have been classified as reference sites (WSP 2023). Accurate UTL calculations require that baseline and reference data meet key assumptions. Specifically, data come from areas with similar physical, chemical, geological, and biological characteristics as the Mine site while remaining undisturbed by mining activities (USEPA 2015). Baseline sample locations are considered representative of pre-disturbance soil characteristics given limited activity in the area prior to Mine construction. Similarly, reference sites are considered far enough from the Mine Site to avoid environmental contamination but close enough to retain similar geological and biological characteristics. These assumptions were tested through Principal Component Analysis (PCA) with findings indicating a high degree of overlap between baseline and reference sample results (ERM 2024).

A single site-specific metal concentration threshold was derived for each metal listed in Table 5-1. Baseline soil metal concentrations that had detectable concentrations or had CCME soil quality guideline exceedances in previous years have been carried forward as the subset of key metals to monitor in environmental media (shaded in Table 5-1; n = 12; arsenic, barium, boron, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, selenium, and zinc). If changing trends are observed over time through this soil and vegetation monitoring program, the subset of metals included in the analyses will be updated to reflect the changing environmental conditions.

TABLE 5-1 CONCENTRATION THRESHOLDS FOR METALS IN SOIL

Metal	Threshold Type	Threshold Value (mg/kg)
Aluminum	BTV (no CCME threshold available)	14,872
Antimony	CCME	20
Arsenic	BTV	57.31
Barium	CCME	750
Beryllium	CCME	4
Boron	BTV	17.4
Cadmium	CCME	1.4
Calcium	BTV (no CCME threshold available)	38,021
Chromium	CCME	64
Cobalt	CCME	40
Copper	BTV	87.73
Iron	BTV (no CCME threshold available)	29,419
Lead	CCME	70
Lithium	BTV (no CCME threshold available)	20.59
Magnesium	BTV (no CCME threshold available)	10,452
Manganese	BTV (no CCME threshold available)	806.4
Mercury	CCME	6.6
Molybdenum	BTV	7
Nickel	CCME	45
Phosphorus	BTV (no CCME threshold available)	1,241
Potassium	BTV (no CCME threshold available)	3,652
Selenium	BTV	1.2
Sodium	BTV (no CCME threshold available)	443.3
Strontium	BTV (no CCME threshold available)	195
Thallium	CCME	1

Metal	Threshold Type	Threshold Value (mg/kg)
Tin	CCME	5
Titanium	BTV (no CCME threshold available)	1,373
Uranium	CCME	23
Vanadium	CCME	130
Zinc	CCME	250

Notes:
mg/kg = milligram per kilogram
BTV = background threshold values; CCME = Canadian Council of Ministers of the Environment
Shaded cells represent the key metals to monitor as of 2025 (n = 12).

6. SOIL AND VEGETATION MONITORING PROGRAM METHODS

6.1 FIELD METHODS

Soil and vegetation sampling followed methods established during previous sampling efforts to support the TEMMP Annual Report (WSP 2023). Composite samples were collected from an area within a 5 m radius surrounding the centre waypoint of the sampling site. Sampling tools were washed with distilled water, wiped clean, and dried with paper towels when moving between sites. Nitrile gloves were changed between sites to avoid cross-contamination. All samples were stored in a cooler with icepacks while in the field, and then in the refrigerator in the Meliadine Enviro Lab until they were transported to Bureau Veritas Labs (BV Labs) for analysis. All samples were submitted to BV Labs with an electronic chain-of-custody form.

6.1.1 SOIL SAMPLING

Composite soil samples were collected at each location where vegetation (e.g., lichen, leaves, berries) samples were also being collected. Each composite soil sample consisted of equal volumes of soil from three distinct sampling pits within a 5 m radius of the centre waypoint of each sampling site. Before collecting soil samples, vegetation was cleared from the ground by hand. The upper layer of litter and decomposed organic material (which ranges from 0 centimetre [cm] to 5 cm) was also removed and discarded prior to collecting a soil sample. A minimum of 125 grams (g) of soil was collected to a maximum depth of 10 to 20 cm (WSP 2023). Soil from each of the three distinct sampling pits was combined into one composite sample, placed in a sealed bag, and homogenized (mixed) prior to submission to BV Labs.

6.1.2 VEGETATION SAMPLING

Berry-producing plant leaves, berries, and lichen were collected at all sites where they were available. A minimum of 2 g of each vegetation tissue type was sampled. Leaves from berry-producing plant species were collected and combined into one composite sample, placed in a sealed bag, and homogenized (mixed) prior to submission to BV Labs. The same procedure was completed for berries, when available, which were collected from the same species as the composite leaves sample. Samples were collected as they were (e.g., not shaken, dusted, or rinsed off). When multiple berry-producing plant or lichen species were available for collection, the composite sample was composed of one or more species. A list of the berry-producing plant species sampled at each sampling site are provided in Appendix A, Berry-Producing Plant Species.

6.1.3 SNOW CHEMISTRY SAMPLING

Snow core sampling was completed in April 2025 by Agnico Eagle personnel following a standard operating procedure (SOP) developed for this program. Snow core samples were collected at all sampling sites established under the current soil and vegetation monitoring program. At each sampling site, field personnel established a 20 m transect along a stretch of sufficient and undisturbed snow as near to the center waypoint as possible. Three equidistant points were established along the transect. At each of the three points, three snow cores were collected to make a composite sample for the transect. Field personnel measured the length and weight of

each core before the cores were removed from the corer. Organic material was removed from the base of the core as necessary. Field personnel placed all nine cores in the same plastic bag to create a composite sample. The bagged sample was placed in another bag to avoid possible leaks or contamination. One duplicate sample was collected at six different sampling locations. Field personnel wore nitrile gloves and cleaned the snow corer as outlined in the SOP.

6.1.4 VEGETATION ABUNDANCE AND DISTRIBUTION SAMPLING

At each sampling site, one 1 m^2 quadrat was established to record percent cover of shrubs, forbs, grass, lichen, and bare ground/rock. Percent cover is a universal unit of measure, and the shape of the CNPS Cover Diagrams is aligned with the shape of the 1 m^2 quadrat, facilitating estimation. Percent cover was recorded by only one field member to avoid interobserver variability. The California Native Plant Society (CNPS 2018) Cover Diagrams were used to facilitate the estimate of percent cover (Figure 6.1-1).

6.1.5 PLANT VIGOUR SAMPLING

Plant vigour was recorded in the 1 m^2 quadrat used to estimate abundance and distribution. Plant vigour was assigned using the scale in Table 6.1-1.

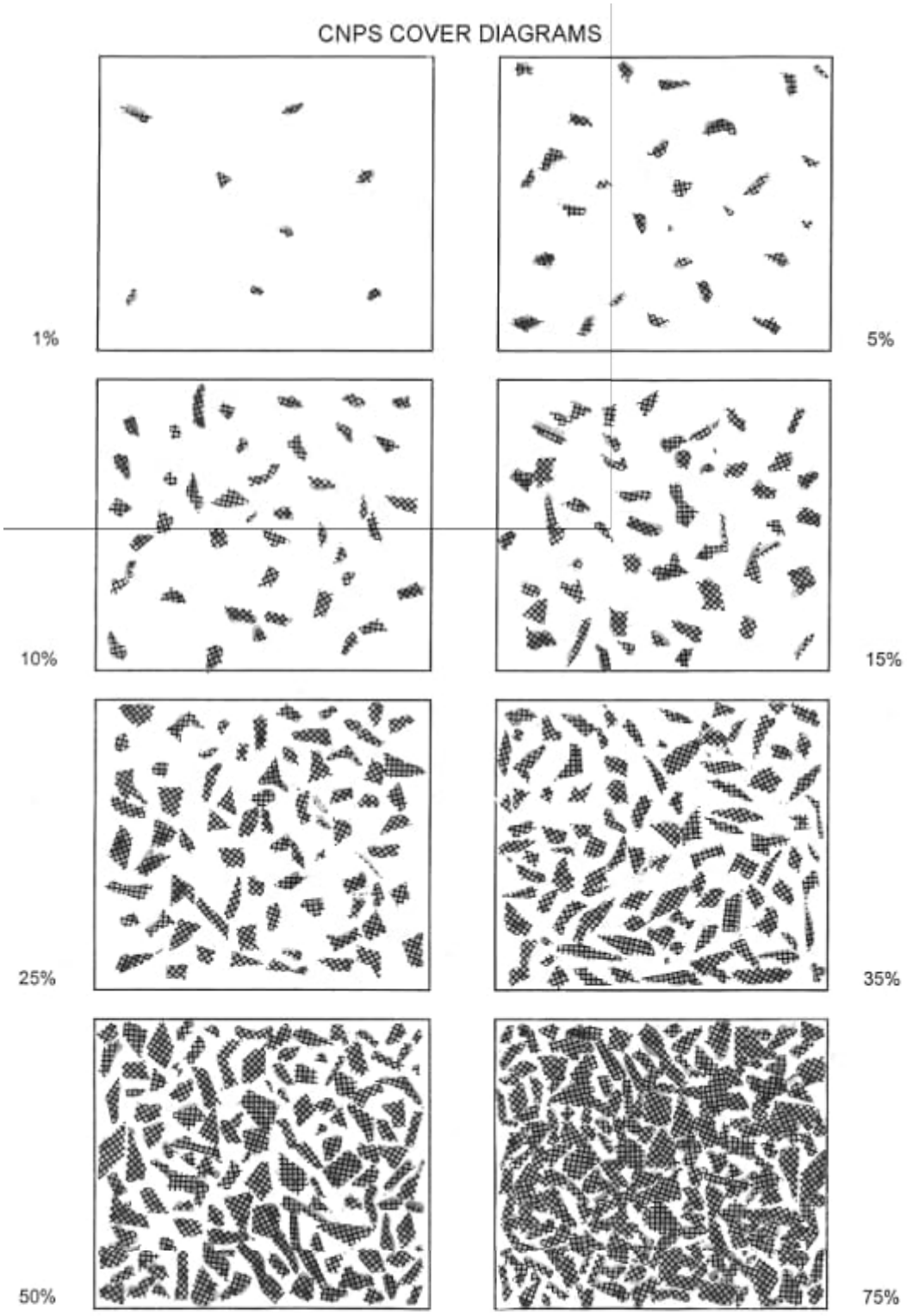
TABLE 6.1-1 VIGOUR CODES USED FOR PLANT VIGOUR SAMPLING

Vigour Code	Label	Description
4	Healthy	Deep green leaves, no chlorosis or wilting
3	Loss of vigour	Reduced vigour, browning leaf tips
2	Poor health	Wilting, chlorosis, or necrosis of up to 1/3 leaf area
1	Very poor	Severe necrosis or wilting
0	Dead	All leaves dry, shriveled, and necrotic

6.2 ANALYTICAL LABORATORY METHODS

Soil and vegetation samples were shipped from the Mine Site to BV Labs Ottawa in coolers. For soil samples, acid extractable metals were analyzed by Inductively Coupled Plasma Mass Spectrometry (ICPMS) using the EPA 6020B m method, and the pH Calcium Chloride ($CaCl_2$) extract was analyzed using the EPA 9045 D m method. For vegetation samples, mercury in vegetation were analyzed by Cold Vapour Atomic Absorption (CVAA) method per Health Canada method, and the metals by ICPMS using the EPA 6020/200.3 m method. The lab data are provided in Appendix B, Laboratory Data.

FIGURE 6.1-1 CNPS PERCENT COVER DIAGRAM



6.3 STATISTICAL METHODS

Metal concentration data from the 2025 Program were analyzed to examine two trends:

1. Changes in metal concentrations with distance from the Mine Site and AWAR; and
2. Relationships among environmental media (i.e., sample types).

Vegetation abundance and distribution data were analyzed to establish mean percent cover values for various functional groups (e.g., forbs, grasses, moss/lichen, rock/bare ground) at each sampling site (Section 6.3.3, Vegetation Distribution and Abundance). With repeat future sampling events, it will be possible to examine trends in these data.

Further details regarding the statistical methods used are provided below.

Analyses have been designed to be repeatable, with models updated to include a time analysis component. Including a time analysis component allows the isolation of Mine-related effects from natural variability in environmental media, as impact (e.g., up to 1,000 m) and control (e.g., greater than 1,000 m) sites are monitored for detectable changes simultaneously.

6.3.1 METAL CONCENTRATIONS AND DISTANCE FROM PROJECT COMPONENTS

The soil and vegetation monitoring program has been designed to support the use of regression models to assess change in metal concentrations over distance from project features (i.e., Mine Site and AWAR) and over time (once future repeat samples are obtained). Separate models were developed for each combination of sample type (soil, leaves, berries, lichen, snow) and key metal to monitor. All models used a consistent structure to allow comparison across metals. The models included distance from the Mine Site, distance from the AWAR, and wind position relative to the Mine (upwind or downwind) as independent variables. The models also included an interaction effect between distance from the Mine Site and distance from the AWAR, allowing the effect of one variable to vary depending on the level of the other. Including variables for distance from the Mine Site, distance from the AWAR, and their interaction in one model allows their effects to be separated, enabling the Mine Site effects to be held constant when interpreting the AWAR effects, and vice versa. Distance variables were included as measured distance in metres, rather than their discrete transect location, to allow modelling of continuous relationships. This produced distance from AWAR values that exceed 10,000 m, particularly for control sites on transects located around the Mine site. Transect was included as a random effect in all models to account for spatial grouping inherent in the sampling design.

For each metal, several model types were fit, including untransformed linear models, log-transformed models (log-normal), and Gamma-distributed models. Model performance and assumptions were evaluated using standard diagnostic checks. Models sharing the same error structure (e.g., untransformed versus log-normal) were compared using Akaike information criterion (AIC) while comparisons across different error structures (such as Gamma versus log-normal or untransformed) were based on overall fit and assumption compliance. Hurdle models were used to handle zero-inflated data by first modelling the probability of a non-zero outcome and then separately modelling non-zero concentration values. Hurdle models were used when more than 30%

of samples had zero values, or where more than 10% of samples had zero values and diagnostics indicated that hurdle models better met modelling assumptions than the other options considered.

6.3.2 METAL CONCENTRATION RELATIONSHIPS AMONG ENVIRONMENTAL MEDIA

Rates of plant tissue uptake of metals from sources including soil, snow, or dust can vary widely due to active processes of absorption that can cause accumulation to be higher or lower than a simple 1:1 ratio (US Department of Energy [USDOE] 1998). This impacts the ultimate risk of altered metal supply to consumers of vegetation (e.g., caribou). Bioaccumulation factors (BAFs) are used to estimate metal concentrations in vegetation based on concentrations in environmental media such as soil or snow (USDOE 1998). This provides information about rates of metal uptake and can inform whether increased environmental supply (e.g., geology or dust deposition) poses immediate risk to consumers, or if local vegetation can buffer that effect. BAFs offer a valuable contribution to adaptive management frameworks by demonstrating when increased metal concentrations in soil or snow will exert strong effects on vegetation and when those effects are of less immediate concern.

BAFs are based on regression models that estimate how uptake patterns change over a range of soil metal concentration values (USDOE 1998). The Program includes co-located metal concentration data for pairs of environmental media focusing on vegetation uptake (leaf, berry, and lichen samples) from soil and snow. All non-detects (i.e., samples with concentrations below the detection limit) were removed and the final data were log transformed to linearize potential relationships. Models were fit separately for each metal using simple linear regressions as well as mixed-effects models that included the transect number as a random effect to deal with the grouping structure of the data. The best model (with the lower AIC score) was chosen and used to provide regression slope coefficients to plot estimated plant uptake rates for each co-located sample. Goodness-of-fit was assessed using R^2 values for linear models and conditional R^2 values for mixed models. Models with an R^2 exceeding 0.3 were considered to have sufficient goodness-of-fit for the models to be meaningful.

Slope coefficients from qualifying models (R^2 greater than [>] 0.3) were used to represent the BAF, with slopes close to one suggesting proportional uptake driven by environmental availability and slopes near zero indicating reduced accumulation or buffering, where plants maintain lower concentrations despite increasing supply. In addition to BAF models, “uptake factors” were calculated as the ratio of mean concentration in vegetation across all sampling sites to mean soil or snow concentration across all sampling sites (e.g., vegetation/soil; USDOE 1998). This uptake factor was used as a proxy for BAF values for all sample pairings when models had poor goodness-of-fit (R^2 less than [<] 3). Uptake factors provide useful information about metal concentrations in vegetation relative to environmental media (soil and snow) but do not capture how uptake changes over a gradient of environmental supply. Consequently, uptake factors reflect overall differences between vegetation and environmental media, but do not show whether plant uptake changes proportionally with supply or remains stable through buffering mechanisms.

6.3.3 VEGETATION DISTRIBUTION AND ABUNDANCE

With one year of sampling data for these specific vegetation attributes, vegetation abundance (Section 6.1.4, Abundance and Distribution Sampling) and vigour (Section 6.1.5, Plant Vigour Sampling) were assessed qualitatively by presenting mean values at each transect distance interval. As the program continues over time, abundance and vigour data will be amenable to regression modelling that enables assessment of how these parameters change over time in impact areas (i.e., near to project features) and control areas (i.e., at distant transect locations).

7. SOIL AND VEGETATION MONITORING PROGRAM RESULTS AND DISCUSSION

The total number of samples collected along each of the seven transects (Figure 4.1-1) in 2025 are presented in Table 7-1. The 2025 sample set includes 48 composite berry samples (not always available for collection); 55 composite leaf samples (one for each sampling site); 54 composite lichen samples (one for each sampling site where lichen is available); 53 composite snow samples (two sampling locations had insufficient snow cover); and 55 soil samples (one for each sampling site). Table 7-2 presents the number of samples submitted for laboratory analysis for each of the 12 key metals to monitor. Where totals in Table 7-2 differ from totals in Table 7-1, the difference is attributed to samples that did not have detectable concentrations for specific metals (or metal, i.e., concentrations below the detection limit). The analytical laboratory results for these samples were compared to BTV or CCME soil metal concentration thresholds (Table 5-1) to understand deviations (Section 7.1, Threshold Deviations). Analyses of the 2025 data demonstrate how metal concentrations changed with distance from the Mine Site and the AWAR (Section 7.2, Metal Concentrations and Distance from Project Components), and whether there were relationships between different environmental media through bioaccumulation (Section 7.3, Metal Concentration Relationships Among Environmental Media). Vegetation plots were surveyed at all sampling sites (Figure 4.1-1) in 2025 to establish plant abundance and distribution (Section 7.4, Vegetation Distribution and Abundance) and plant vigour (Section 7.5, Vegetation Vigour).

TABLE 7-1 NUMBER OF SAMPLES COLLECTED FOR EACH ENVIRONMENTAL MEDIA TYPE IN 2025

Media	Number of Samples
Berries	48
Leaves	55
Lichen	54
Snow	53
Soil	55

TABLE 7-2 NUMBER OF NON-ZERO SAMPLES PER METAL COLLECTED ACROSS ALL TRANSECTS IN 2025

Metal	Media				
	Soil	Leaves	Berries	Lichen	Snow
Arsenic	49	51	15	54	53
Barium	55	55	47	54	53
Boron	22	55	48	36	0
Cadmium	54	52	23	54	24
Chromium	48	3	0	44	53

Metal	Media				
	Soil	Leaves	Berries	Lichen	Snow
Cobalt	55	55	27	54	49
Copper	55	55	34	50	53
Lead	50	41	1	54	53
Molybdenum	40	20	4	36	11
Nickel	55	55	48	53	48
Selenium	34	0	0	50	6
Zinc	54	55	40	54	53

7.1 THRESHOLD DEVIATIONS

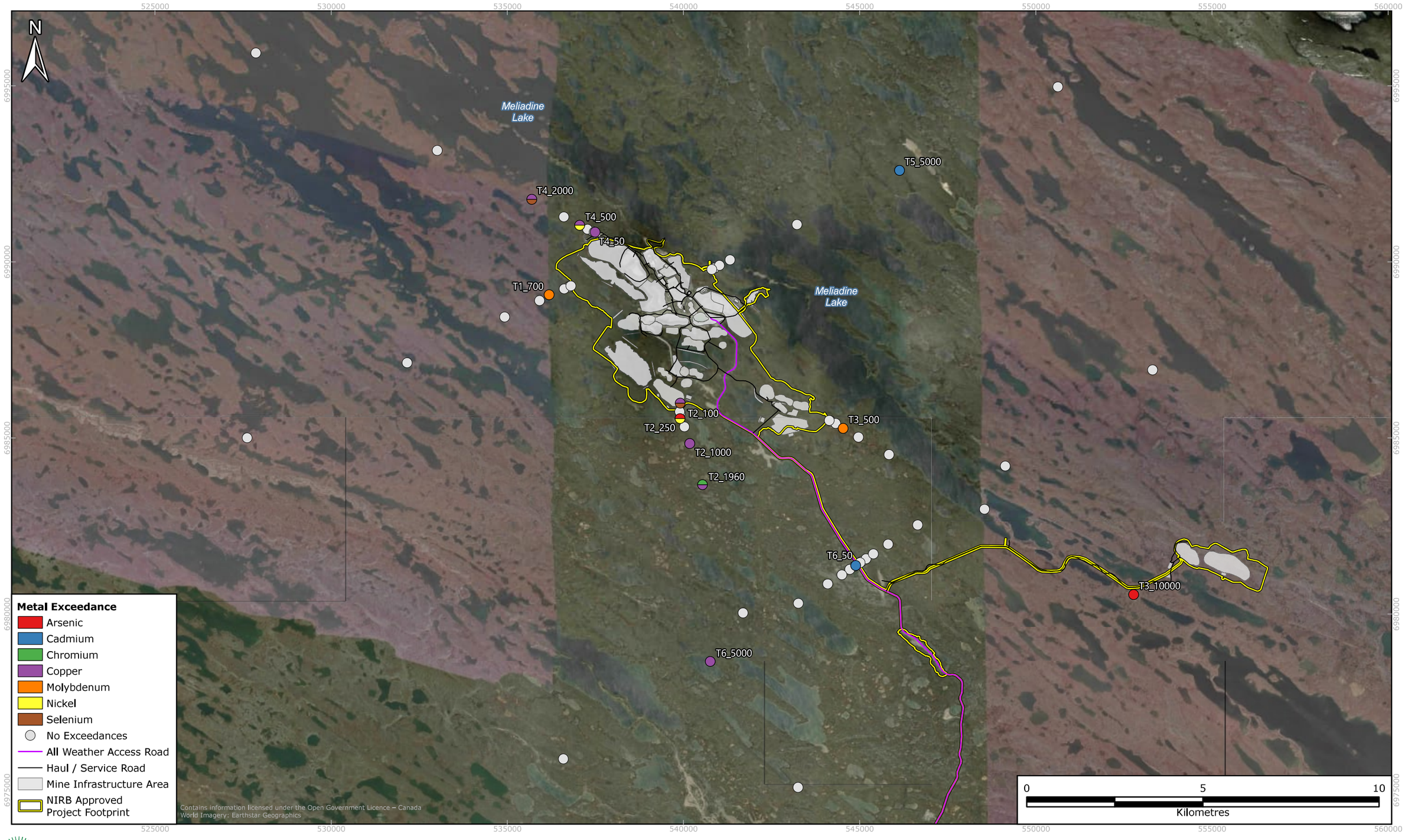
In 2025, seven metals were found in concentrations greater than the respective soil metal concentration threshold (Table 7.1-1) for a total of 18 exceedances in 55 samples. The spatial distribution of these threshold deviations is presented in Figure 7.1-1. Copper had the greatest number of exceedances overall (n = 7). The metal that had the greatest deviation relative to the threshold value was arsenic, at one sampling site (Table 7.1-1). Transect 2, located downwind (south) of the Mine Site, had five metals with deviations, accounting for the most exceedances per transect in the 2025 data.

Regional geological mapping (McMartin 2000) and baseline waste rock and tailings characterization (Golder Associates 2014a) indicate a strong presence of these metals in the mineralized environment around the Mine Site, and regionally within the Rankin Inlet greenstone belt. These deviations, both in terms of individual metals and their 2025 concentrations, are comparable to historical conditions as reported in previous TEMMP Annual Reports (Golder Associates 2018, Golder Associates 2020, WSP 2023) and are aligned with FEIS results (Volume 5 and 6, Sections 5.2 and 6.4 respectively; Golder 2014b) which indicated that there are areas of naturally occurring elevated metal concentrations within the Project Footprint, including the AWAR.

The notable arsenic threshold deviation at the 10,000 m sampling site along Transect 3 (Table 7.1-1) exceeds the calculated BTV and represents an outlier in the 2025 dataset; however, the 2025 concentration (580 milligrams per kilogram [mg/kg]) is well within the range of the historical dataset (e.g., 2008 to 2022) of 1.2 mg/kg to 1,100 mg/kg.

With no additional threshold deviations at adjacent sampling sites (e.g., sampling sites before or after the exceedance site along the transect) the metal concentration values observed in 2025 are unlikely to represent Mine-related environmental inputs (e.g., dust deposition). Dust monitoring stations along the AWAR (where deposition over distance is analyzed) demonstrate how dustfall rates are continuous and how they are generally highest at the centre of the road, decreasing with distance from it (to 300 m; Agnico Eagle 2020). This trend is also observable in the snow chemistry sampling results for 2025 (Section 7.2.5, Snow Samples).

FIGURE 7.1-1 LOCATIONS OF THRESHOLD DEVIATIONS IDENTIFIED IN 2025 RELATIVE TO THE MINE SITE



ERM

CLIENT: Agnico Eagle Mines Limited
GIS NUMBER: MEL-20-010-03

DATE: 02/04/2026

PROJECTION: NAD 1983 UTM Zone 15N
SCALE: 1:100,000 when printed at 11x17

TABLE 7.1-1 THRESHOLD DEVIATIONS IN THE SOIL SAMPLES COLLECTED IN 2025

Metal	Threshold Type	Threshold Value	Site ID	Concentration (mg/kg)
Arsenic	BTV	57.31	T2-250	77
			T3-10000	580
Cadmium	CCME	1.4	T5-5000	1.5
			T6-50	1.5
Chromium	CCME	64	T2-1960	99
Copper	BTV	87.73	T2-100	120
			T2-1000	100
			T2-1960	130
			T4-50	90
			T4-500	98
			T4-2000	100
			T6-5000	100
Molybdenum	BTV	7	T1-700	21
			T3-500	18
Nickel	CCME	45	T2-250	53
			T4-500	48
Selenium	BTV	1.2	T2-100	1.3
			T4-2000	1.6

Notes:
% = percent
mg/kg = milligrams per kilogram
BTV = background threshold value; CCME = Canadian Council of Ministers of the Environment

7.2 METAL CONCENTRATIONS AND DISTANCE FROM PROJECT COMPONENTS

A series of regression models were constructed to assess change in metal concentrations over distance from the Mine Site and AWAR in all sample types (Appendix C, Metal Concentration Model Summaries). Model results vary and include significant positive and negative relationships. Significant negative relationships were more common, demonstrating how metal concentrations are generally decreasing with increasing distance from the Mine Site. Other relationships indicate that metal concentrations are consistent with distance from the Mine Site. Future repeated sampling events will strengthen the confidence in these trends and will support the assessment of change over time as well as conclusions about how the receiving environment may be influenced by the Mine Site and AWAR.

7.2.1 SOIL SAMPLES

Among the soil samples collected in 2025, four of the 12 key metals to monitor exhibited trends in concentration that were influenced by distance from the AWAR, or a combined interaction between distance from the Mine Site and AWAR (Appendix D, Metals with Significant Relationships between Concentration and Distance from the Mine and Road; Table D-1). No metals exhibited significant positive or negative trends in concentration with distance from the Mine Site alone.

Arsenic, nickel, and zinc each exhibited a significant negative trend resulting from the combined interaction between distance from the Mine Site and AWAR, indicating that samples collected from areas further away from both the Mine Site and AWAR were found to have concentrations that generally decreased with increasing distance from these features. When isolated, arsenic was the only metal that also exhibited a significant negative trend with distance from the AWAR ($p = 0.0217$; Figure 7.2-1).

Boron data were zero-inflated and analyzed using a hurdle model. The probability of detecting non-zero boron concentrations decreased with increasing distance from the AWAR (Figure 7.2-2a). Among non-zero samples, boron showed a significant positive trend ($p = 0.0163$; Figure 7.2-2b), with concentrations peaking around 6,000 m from the AWAR. Boron has not been found to be a major component of either waste rock or tailings materials for the Meliadine Mine deposit (Golder Associates 2014, Agnico Eagle 2025b). As such, the increase in Boron concentration is most likely due to regional geological influences.

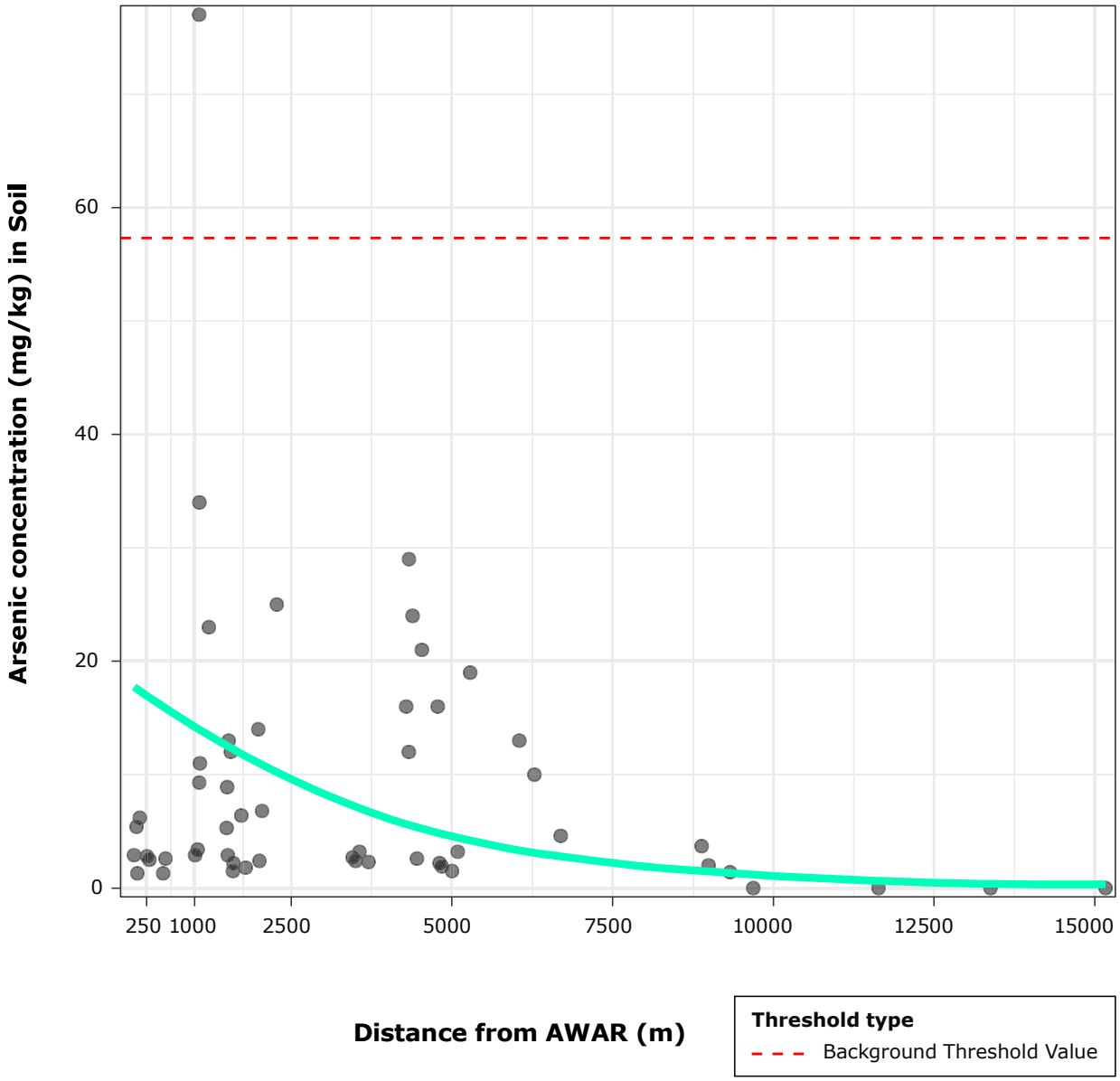
With the exception of arsenic, nickel, zinc and boron, no other metals showed significant positive or negative relationships between distance from the Mine Site or AWAR, or a combination of both in 2025. The four metals (i.e., arsenic, nickel, zinc and boron) with significant trends generally followed the expected trajectory of decreasing concentrations with increasing distance from the Mine Site and AWAR, the primary dust-generating sources on the landscape.

7.2.2 LEAF SAMPLES

Among the leaf samples collected in 2025, trends in chromium and selenium concentrations were not modelled because the data were zero-dominated (i.e., majority of concentrations below the detection limit), with insufficient non-zero observations to reliably estimate relationships. Three of the resulting ten metals modelled exhibited trends in concentration that were influenced by distance from the Mine Site or distance from the AWAR, or an interaction between the two (Appendix D, Metals with Significant Relationships between Concentration and Distance from the Mine and Road; Table D-2).

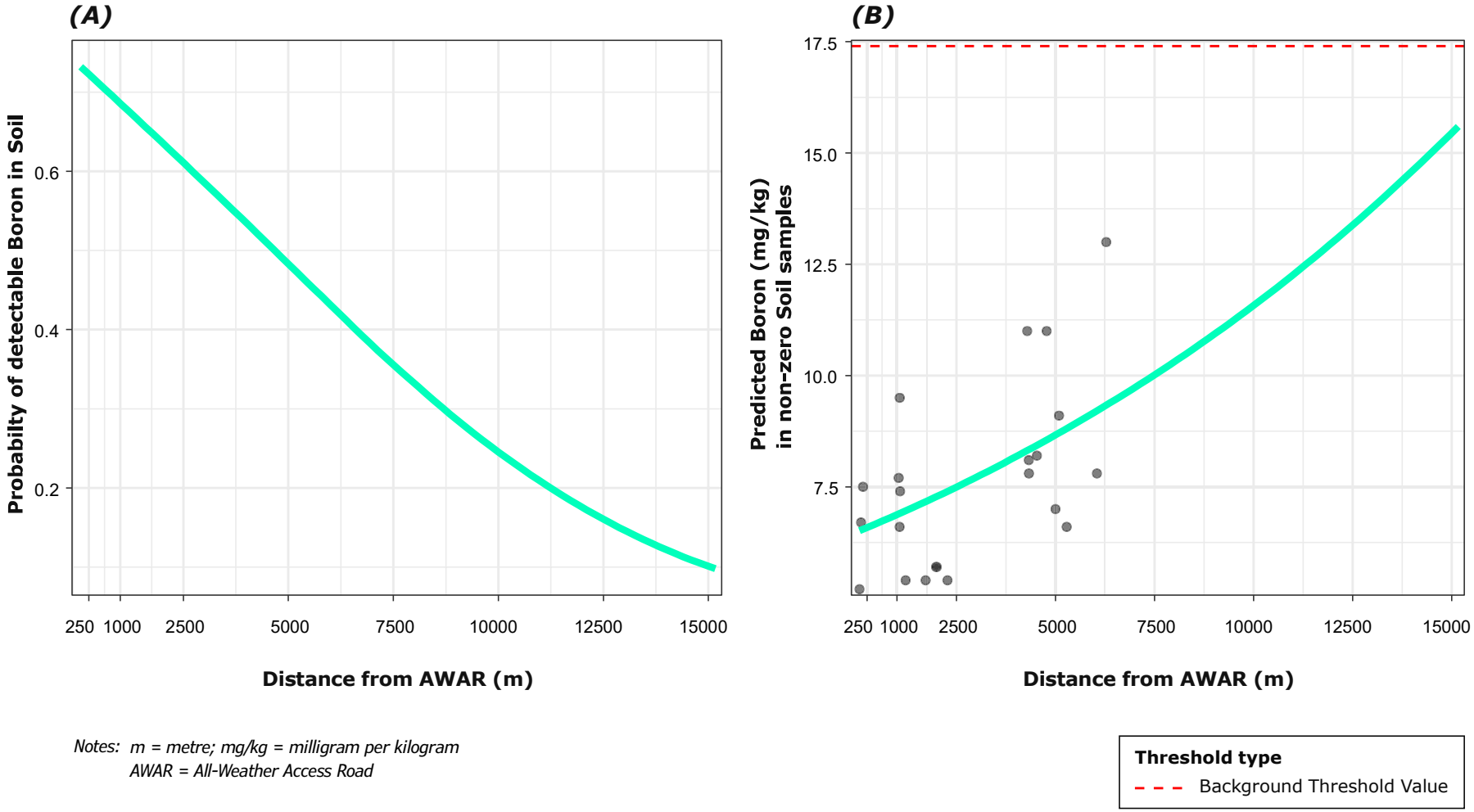
Arsenic, barium (a moderate component of the solid tailings material; Agnico Eagle 2025b), and nickel exhibited a significant negative trend resulting from the combined interaction between distance from the Mine Site and AWAR (Appendix D, Metals with Significant Relationships between Concentration and Distance from the Mine and Road), indicating that samples collected from areas further away from both the Mine Site and AWAR had concentrations that were generally lower than samples collected closer to these features. Arsenic was the only metal that exhibited a significant decrease in concentration with distance from both the Mine Site ($p = 0.0245$) and the AWAR ($p = 0.0476$) independently (Figure 7.2-3).

FIGURE 7.2-1 RELATIONSHIP BETWEEN SOIL ARSENIC CONCENTRATIONS AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



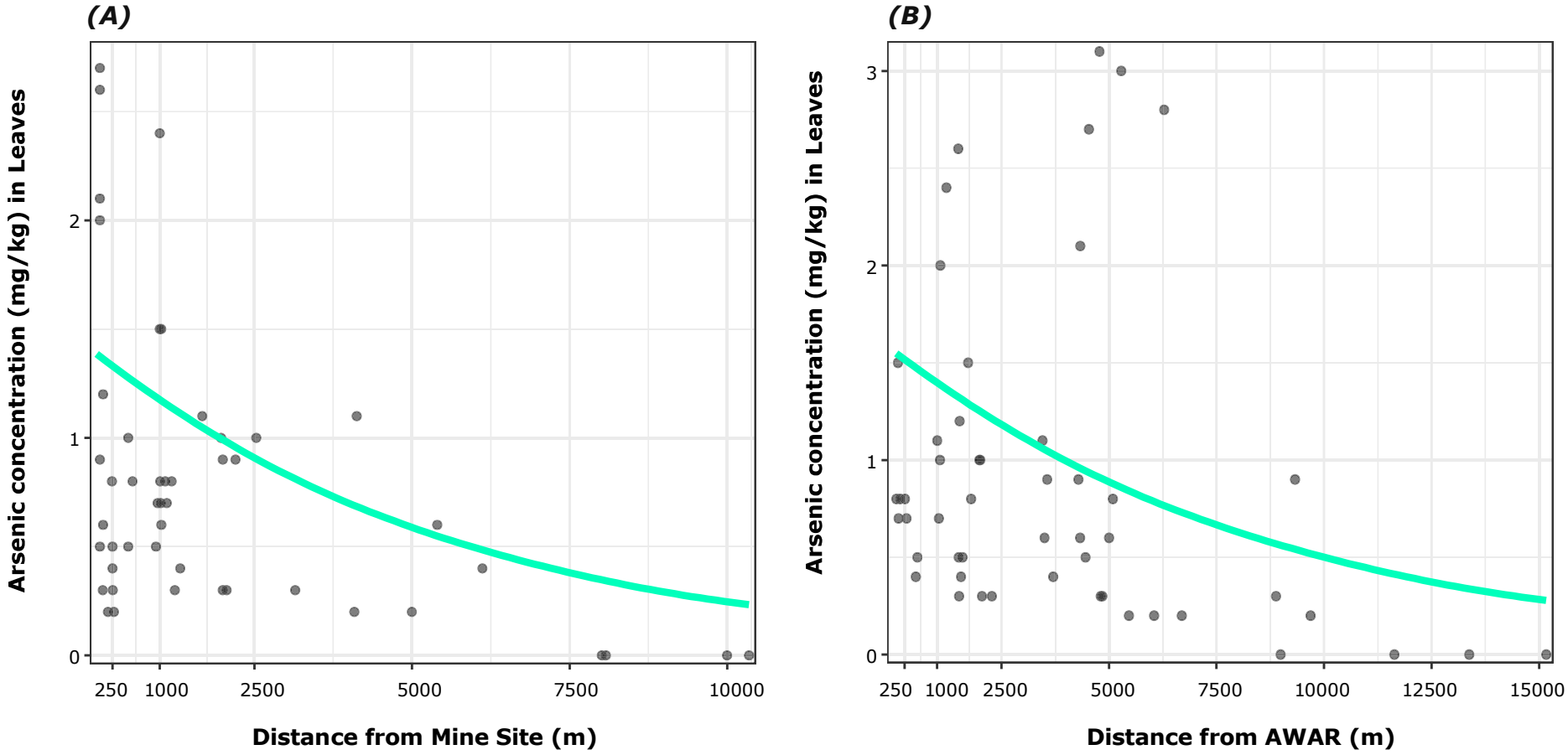
Notes: m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road

FIGURE 7.2-2 (A) RELATIONSHIP BETWEEN THE PROBABILITY OF NON-ZERO VALUES OF BORON CONCENTRATION IN SOIL SAMPLES AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD AND (B) RELATIONSHIP BETWEEN SOIL BORON CONCENTRATIONS IN NON-ZERO SAMPLES AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



Notes: m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road

FIGURE 7.2-3 RELATIONSHIP BETWEEN LEAF ARSENIC CONCENTRATIONS AND DISTANCE FROM (A) THE MINE SITE AND (B) THE ALL-WEATHER ACCESS ROAD



Notes: *In panel (A) points for 7 samples with concentrations > 2.78 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends and in Panel (B) Points for 4 samples with concentrations > 3.11 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.*
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road; Mine Site = Agnico Eagle Limited (Agnico Eagle) Meliadine Mine

No other metals showed significant positive or negative relationships between distance from the Mine Site or AWAR, or a combination of both in 2025. The three metals that exhibited a significant relationship (i.e., arsenic, barium, and nickel) followed the expected trajectory of decreasing concentrations with increasing distance from the Mine Site and AWAR.

7.2.3 BERRY SAMPLES

Among the berry samples collected in 2025, chromium, lead, molybdenum, and selenium were not modelled because the data were zero-dominated (i.e., majority of concentrations below the detection limit), with insufficient non-zero observations to reliably estimate relationships). None of the remaining eight metals that were modelled exhibited significant trends, indicating limited influence of distance from the Mine Site or distance from the AWAR on berry metal concentrations.

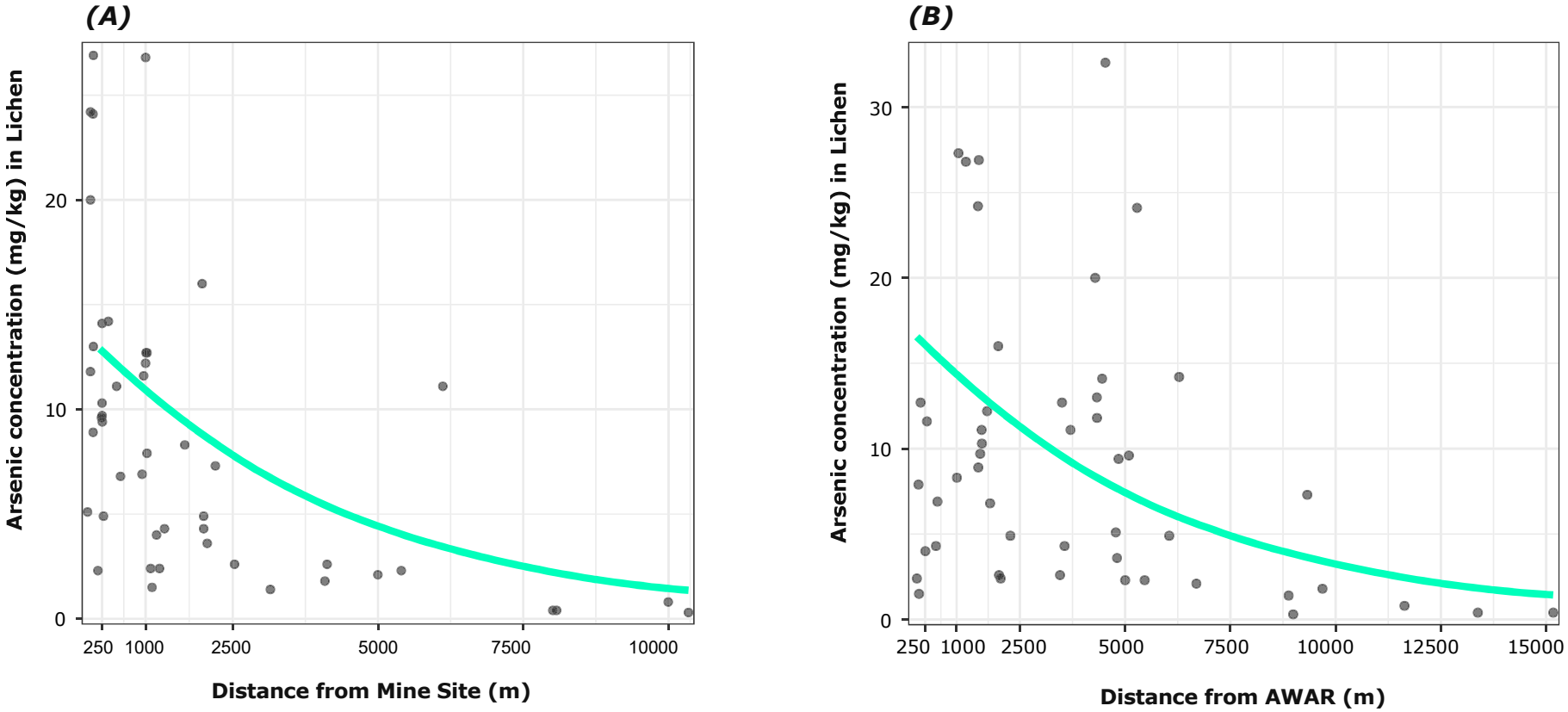
7.2.4 LICHEN SAMPLES

Among the lichen samples collected in 2025, six of the 12 key metals to monitor exhibited trends in concentration that were influenced by distance from the Mine Site or distance from the AWAR, or an interaction between the two (Appendix D, Metals with Significant Relationships between Concentration and Distance from the Mine and Road).

Of the six metals that exhibited significant trends, four were found to have decreasing concentrations with increasing distance from the Mine Site. This included arsenic ($p = 0.0166$; Figure 7.2-4), cobalt ($p = 0.0220$; Figure 7.2-5), lead ($p = 0.0307$; Figure 7.2-6), and molybdenum ($p = 0.0227$ from the model only using non-zero samples; Figure 7.2-7). Arsenic and lead also exhibited a significant negative trend with distance from the AWAR (arsenic: $p = 0.0186$, Figure 7.2-4; lead: $p = 0.009$, Figure 7.2-6), as did chromium ($p=0.0141$ from the model only using non-zero samples; Figure 7.2-8).

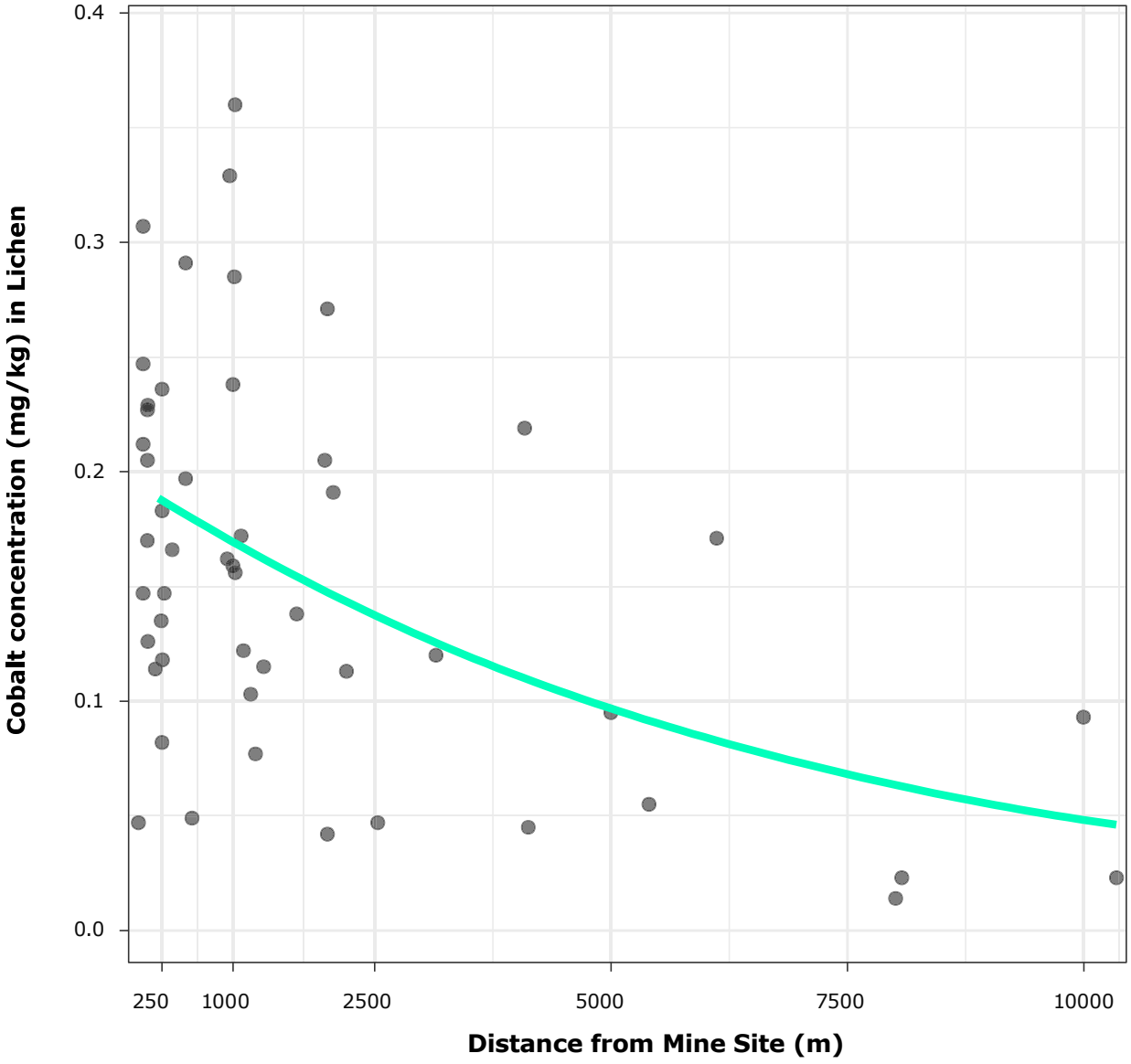
Molybdenum concentrations in lichen were zero-inflated and analyzed using a hurdle model. The probability of detecting molybdenum decreased significantly with increasing distance from the Mine Site ($p = 0.0227$; Figure 7.2-7a), indicating a higher likelihood of detection closer to the Mine site. Among non-zero samples, molybdenum concentrations showed no significant effects for distance to the Mine Site or AWAR individually but had a significant positive interaction for both features combined ($p = 0.0333$; Figure 7.2-7b). Overall, molybdenum detectability and concentration in lichen tended to decrease with increasing distance from either the Mine Site or AWAR individually. However, the positive interaction term means that when both distances are large simultaneously, the combined effect is less negative than expected under simple additivity (i.e., the interaction dampens the decline predicted by the two negative main effects). Specifically, this suggests slightly higher concentrations near the Mine Site and AWAR but that concentrations remained relatively consistent across the landscape including sampling locations distant from both features. Background concentrations of molybdenum are elevated in the mineralogy of the Rankin Inlet greenstone belt (McMartin 2000) and is a component of both waste rock and tailings materials (Golder Associates 2014).

FIGURE 7.2-4 RELATIONSHIP BETWEEN LICHEN ARSENIC CONCENTRATIONS AND DISTANCE FROM (A) THE MINE SITE AND (B) THE ALL-WEATHER ACCESS ROAD



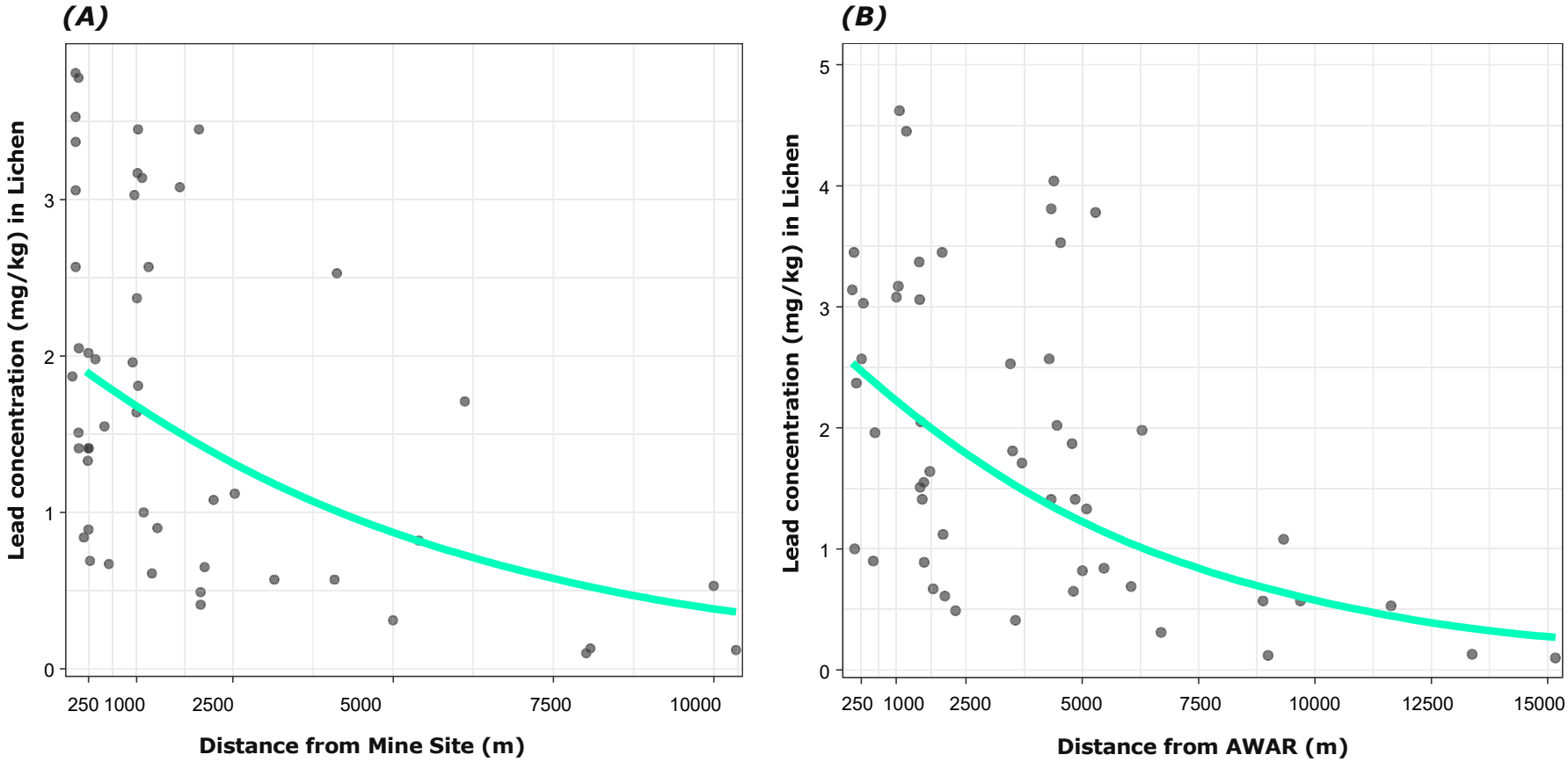
Notes: *In panel (A) points for 7 samples with concentrations > 27 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends and in Panel (B) Points for 5 samples with concentrations > 33 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.*
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road; Mine Site = Agnico Eagle Mines Limited (Agnico Eagle) Meliadine Mine

FIGURE 7.2-5 RELATIONSHIP BETWEEN LICHEN COBALT CONCENTRATIONS AND DISTANCE FROM THE MINE SITE



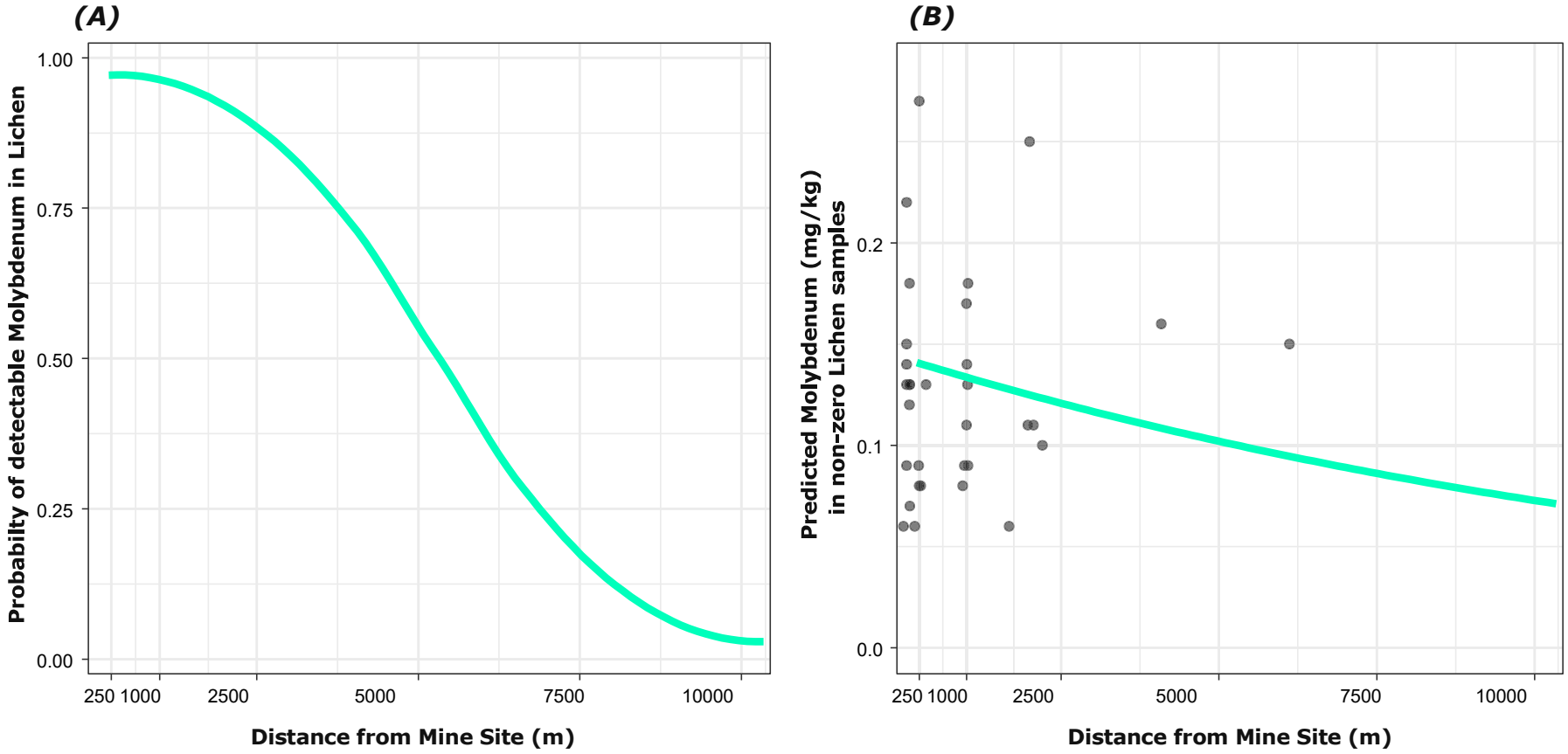
Notes: Points for 4 samples with concentrations > 0.39 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road; Mine Site = Agnico Eagle Mines Limited (Agnico Eagle) Meliadine Mine

FIGURE 7.2-6 RELATIONSHIP BETWEEN LICHEN LEAD CONCENTRATIONS AND DISTANCE FROM (A) THE MINE SITE AND (B) THE ALL-WEATHER ACCESS ROAD



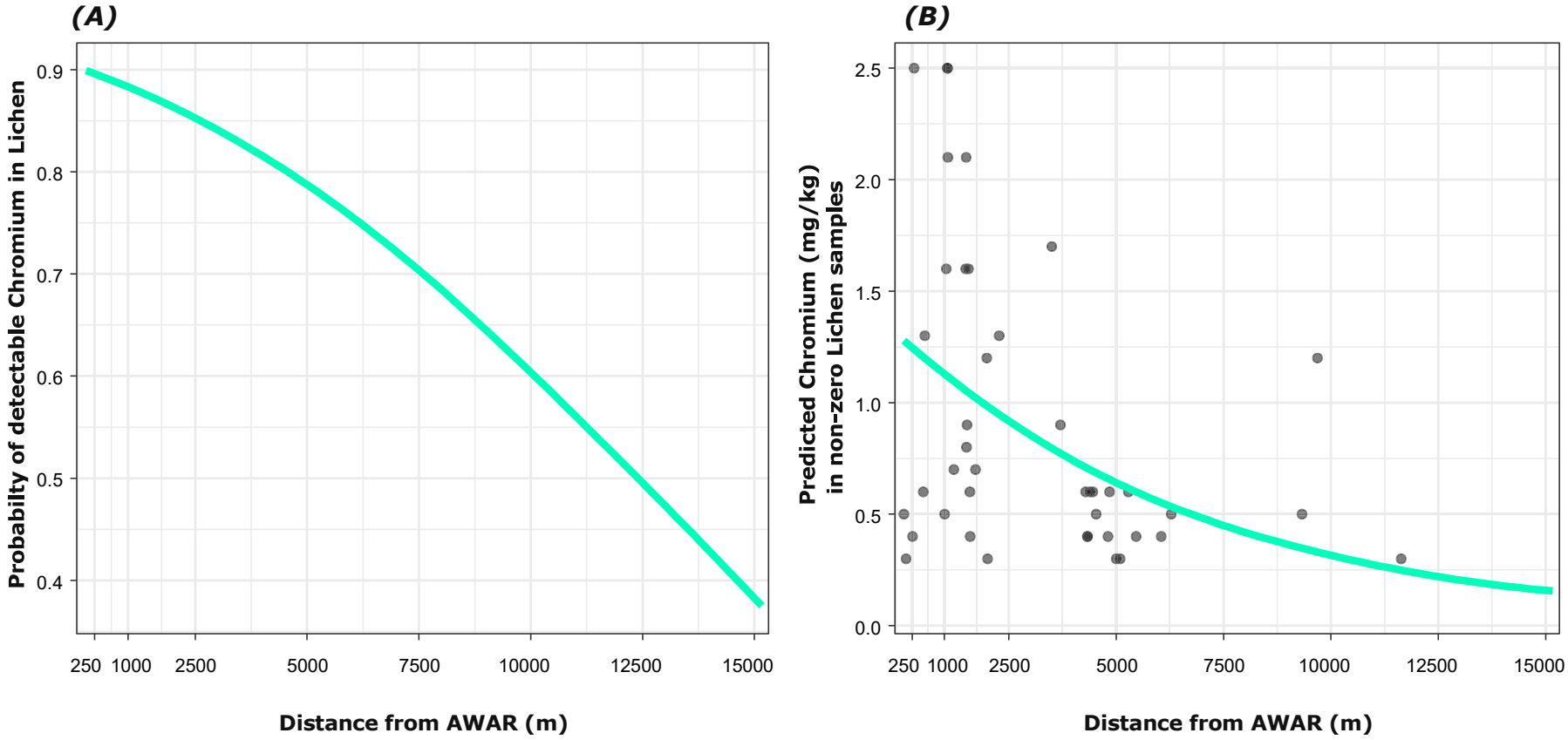
Notes: In panel (A) points for 5 samples with concentrations > 3.95 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends and in Panel (B) Points for 2 samples with concentrations > 5.12 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road; Mine Site = Agnico Eagle Mines Limited (Agnico Eagle) Meliadine Mine

FIGURE 7.2-7 (A) RELATIONSHIP BETWEEN THE PROBABILITY OF NON-ZERO VALUES OF MOLYBDENUM CONCENTRATION IN LICHEN SAMPLES AND DISTANCE FROM THE MINE SITE AND (B) RELATIONSHIP BETWEEN LICHEN MOLYBDENUM CONCENTRATIONS IN NON-ZERO SAMPLES AND DISTANCE FROM THE MINE SITE



Notes: In plot (B), points for 5 samples with concentrations > 0.29 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road; Mine Site = Agnico Eagle Mines Limited (Agnico Eagle) Meliadine Mine

FIGURE 7.2-8 (A) RELATIONSHIP BETWEEN THE PROBABILITY OF NON-ZERO VALUES OF CHROMIUM CONCENTRATION IN LICHEN SAMPLES AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD AND (B) RELATIONSHIP BETWEEN LICHEN CHROMIUM CONCENTRATIONS IN NON-ZERO SAMPLES AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



Notes: In plot (B), points for 2 samples with concentrations > 2.58 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road; Mine Site = Agnico Eagle Mines Limited (Agnico Eagle) Meliadine Mine

Half (50%) of the metals showed a significant negative relationship between distance from the Mine Site or AWAR, or a combination of both in 2025. All six metals that exhibited significant trends followed the expected trajectory of decreasing concentrations with increasing distance from the Mine Site and AWAR.

7.2.5 SNOW SAMPLES

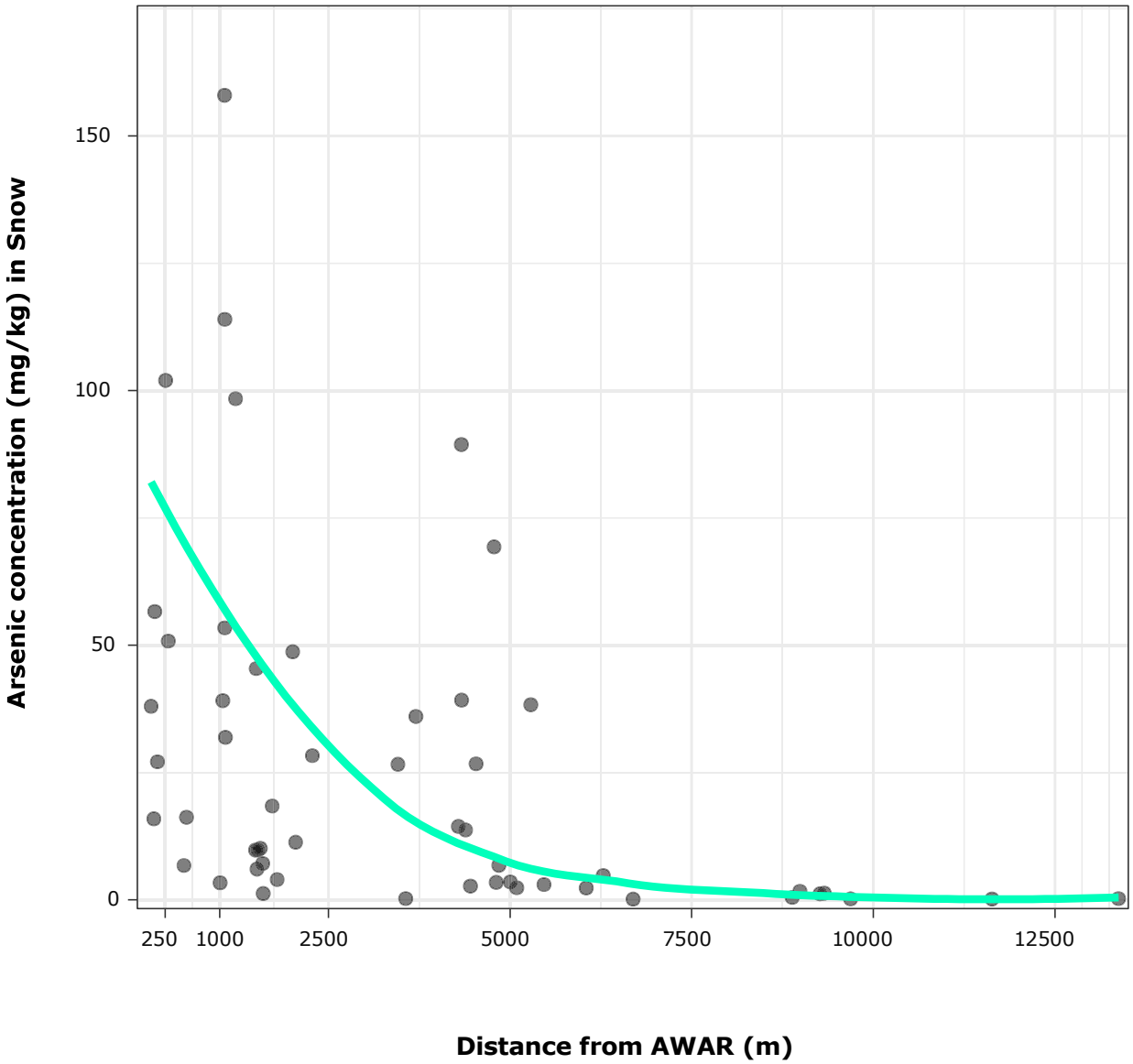
Among the snow samples collected in 2025, boron, selenium and molybdenum were not modelled because the data were zero-dominated (i.e., majority of concentrations below the detection limit), with insufficient non-zero observations to reliably estimate relationships. All nine of the resulting metals were modelled and exhibited trends in concentration that were influenced by distance from the Mine Site, distance from the AWAR, or an interaction between the two (Appendix D, Metals with Significant Relationships between Concentration and Distance from the Mine and Road).

The following metals exhibited a significant negative trend with distance from the Mine Site or AWAR, indicating that samples collected further away from both the Mine Site and AWAR were found to have concentrations that generally decreased with increasing distance from these features:

- Arsenic ($p < 0.0001$ for distance from the AWAR; Figure 7.2-9);
- Barium ($p < 0.0001$ for distance from the AWAR; Figure 7.2-10);
- Cadmium ($p = 0.0045$ for the model predicting probability of detecting a non-zero sample relative to distance to the AWAR; Figure 7.2-11);
- Chromium ($p = 0.0011$ for distance from the AWAR; Figure 7.2-12);
- Cobalt ($p = 0.0003$ for distance from the AWAR; Figure 7.2-13);
- Copper ($p = 0.007$ for distance from the AWAR; Figure 7.2-14);
- Lead ($p < 0.0001$ for distance from the AWAR; Figure 7.2-15);
- Nickel ($p = 0.0044$ for distance from the AWAR; Figure 7.2-16); and
- Zinc ($p = 0.0389$ for distance from the Mine Site; Figure 7.2-17).

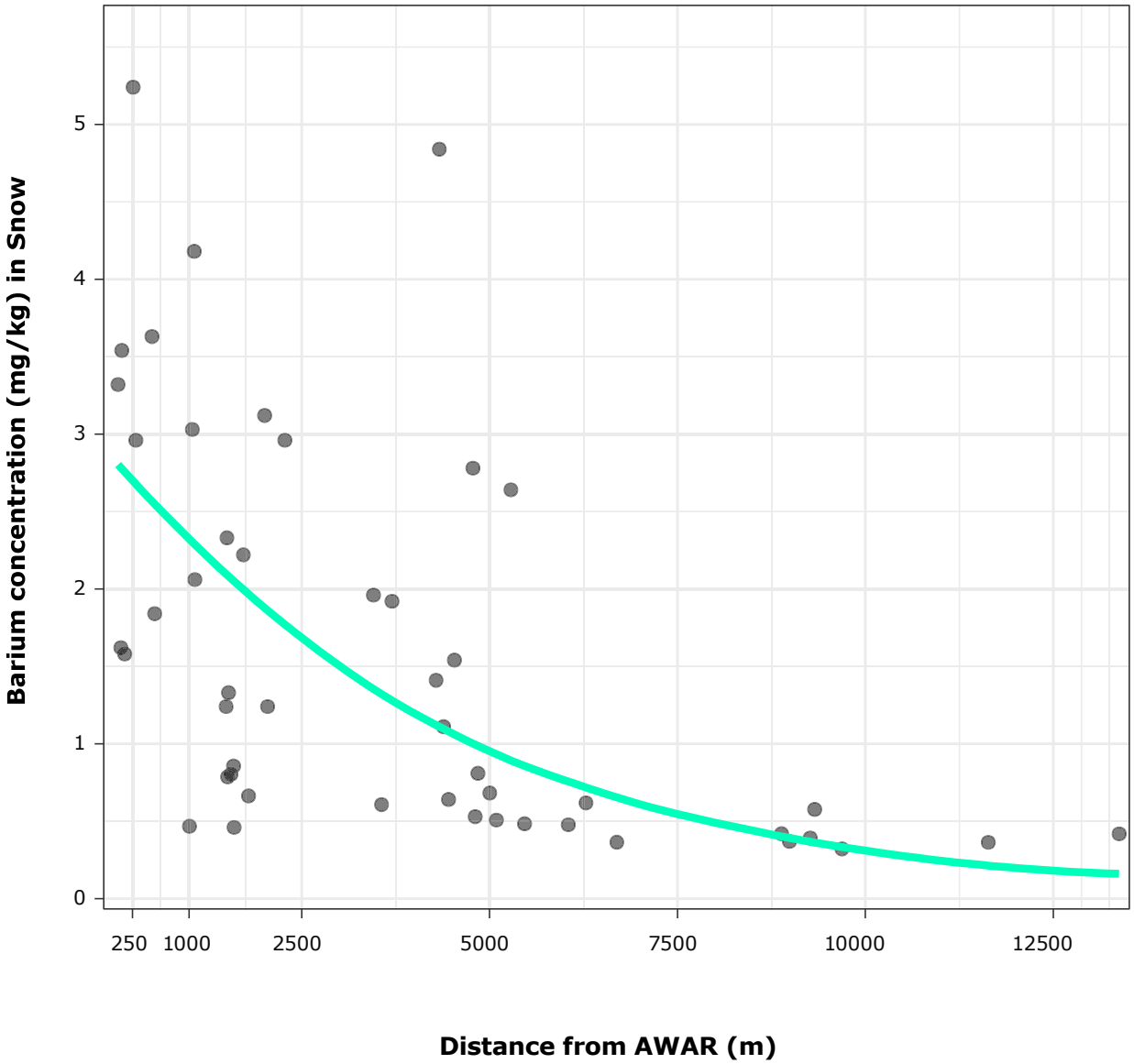
Consequently, all metals with sufficient snow data showed a significant negative relationship between distance from the Mine Site or AWAR, or a combination of both in 2025, following the expected trajectory of decreasing concentrations with increasing distance from the Mine Site and/or AWAR.

FIGURE 7.2-9 RELATIONSHIP BETWEEN SNOW ARSENIC CONCENTRATIONS AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



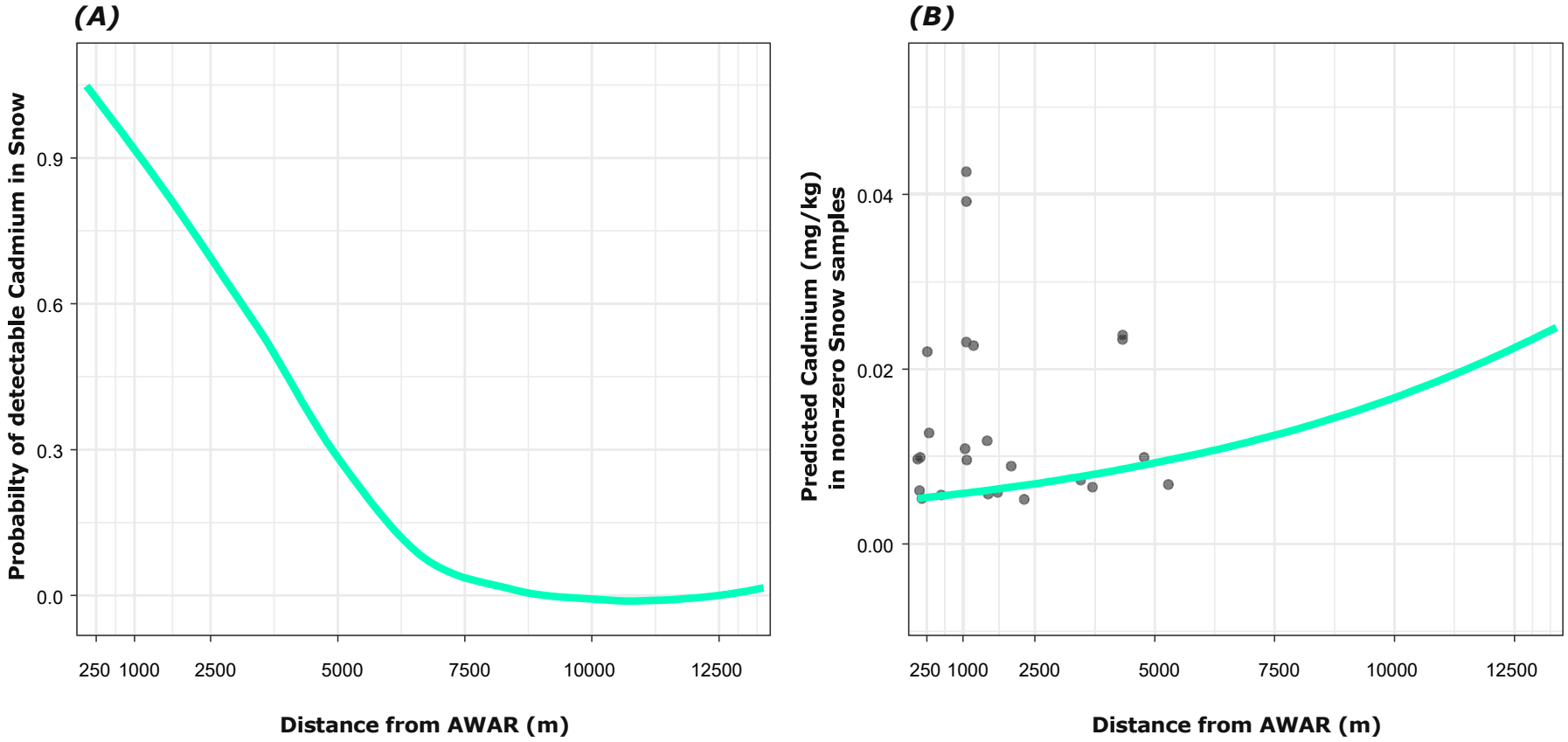
Notes: m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road

FIGURE 7.2-10 RELATIONSHIP BETWEEN SNOW BARIUM CONCENTRATIONS AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



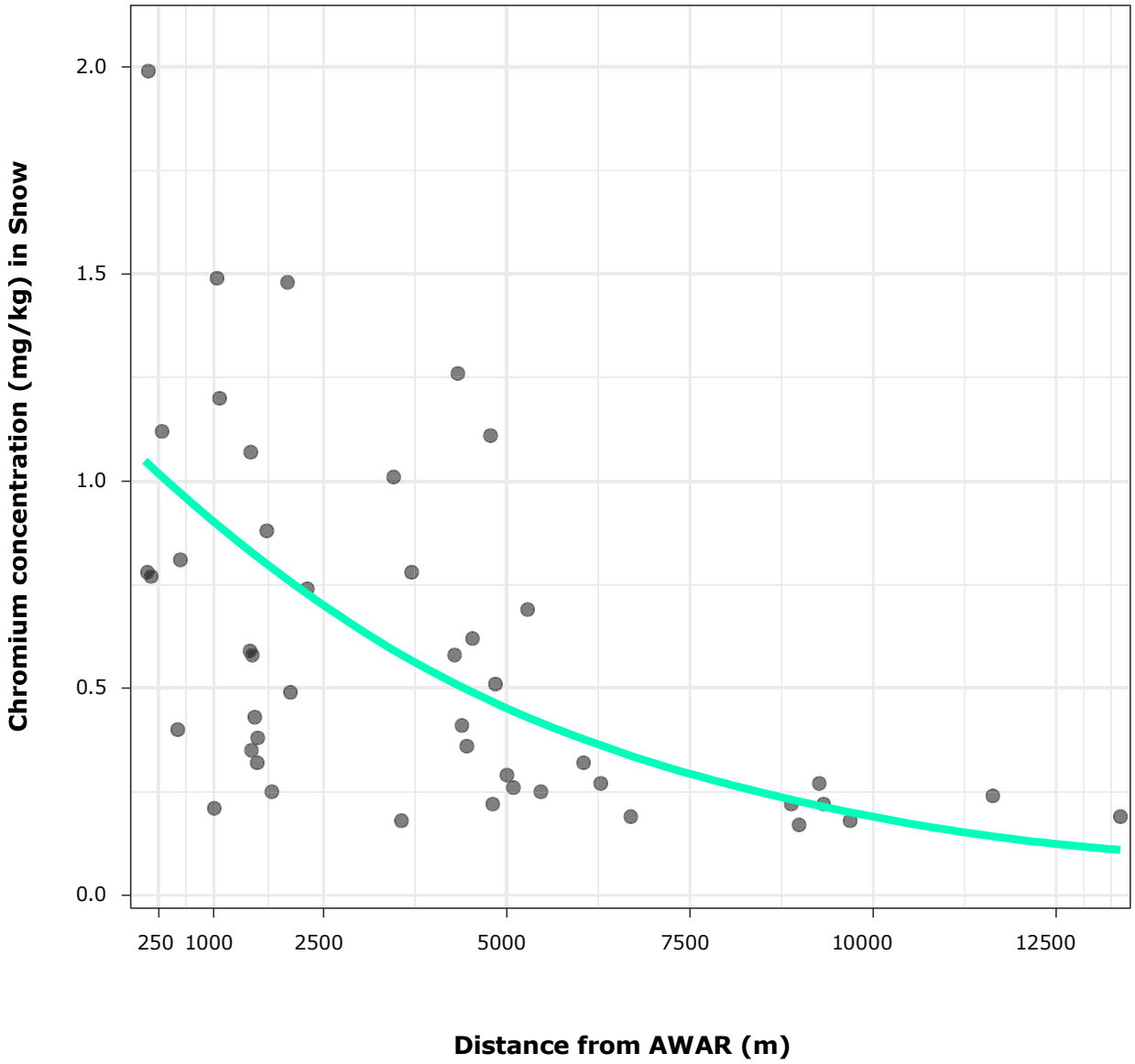
Notes: Points for 4 samples with concentrations > 5.7 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road

FIGURE 7.2-11 (A) RELATIONSHIP BETWEEN THE PROBABILITY OF NON-ZERO VALUES OF CADMIUM CONCENTRATION IN SNOW SAMPLES AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD AND (B) RELATIONSHIP BETWEEN SNOW CADMIUM CONCENTRATIONS IN NON-ZERO SAMPLES AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



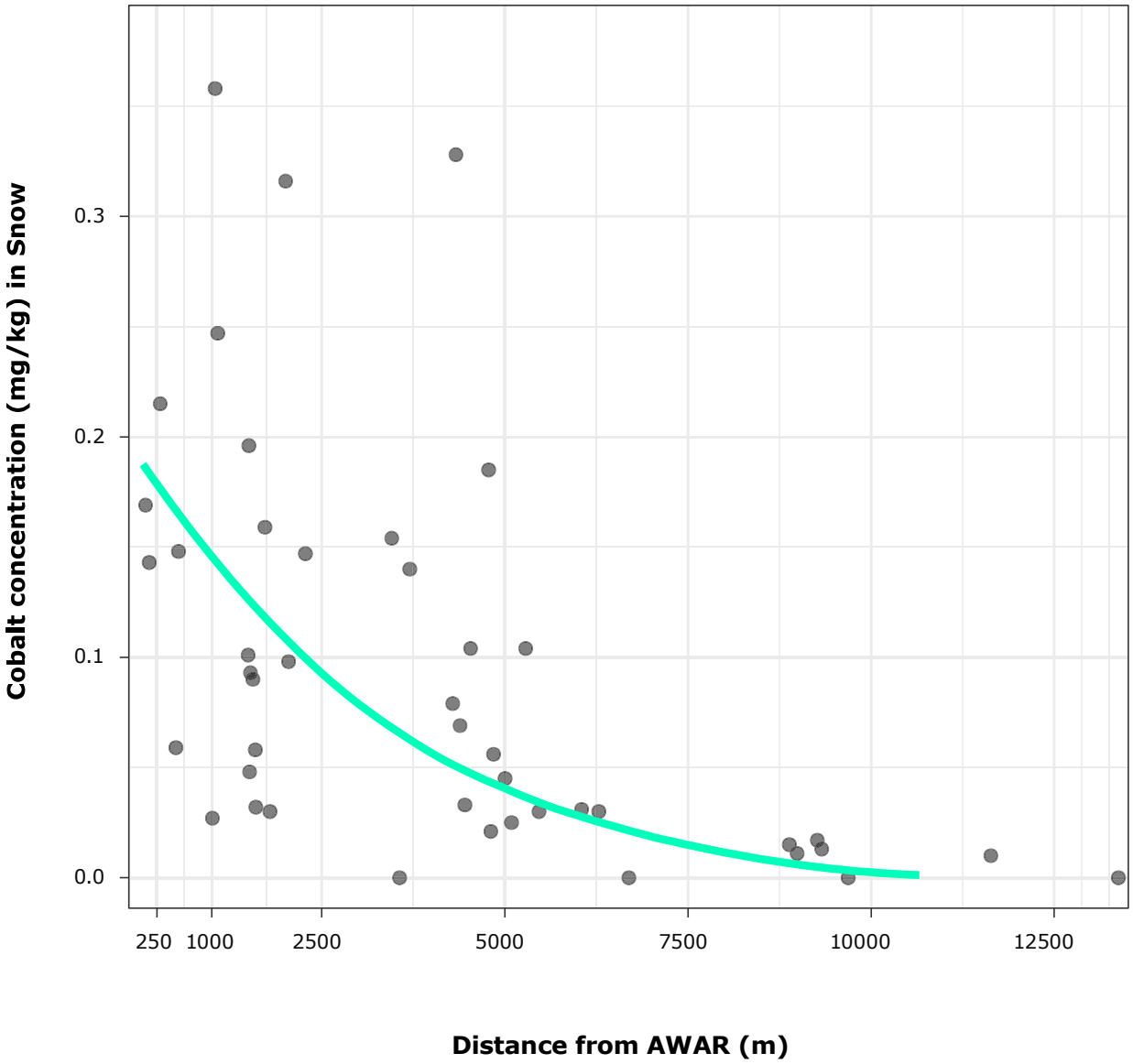
Notes: m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road

FIGURE 7.2-12 RELATIONSHIP BETWEEN SNOW CHROMIUM CONCENTRATIONS AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



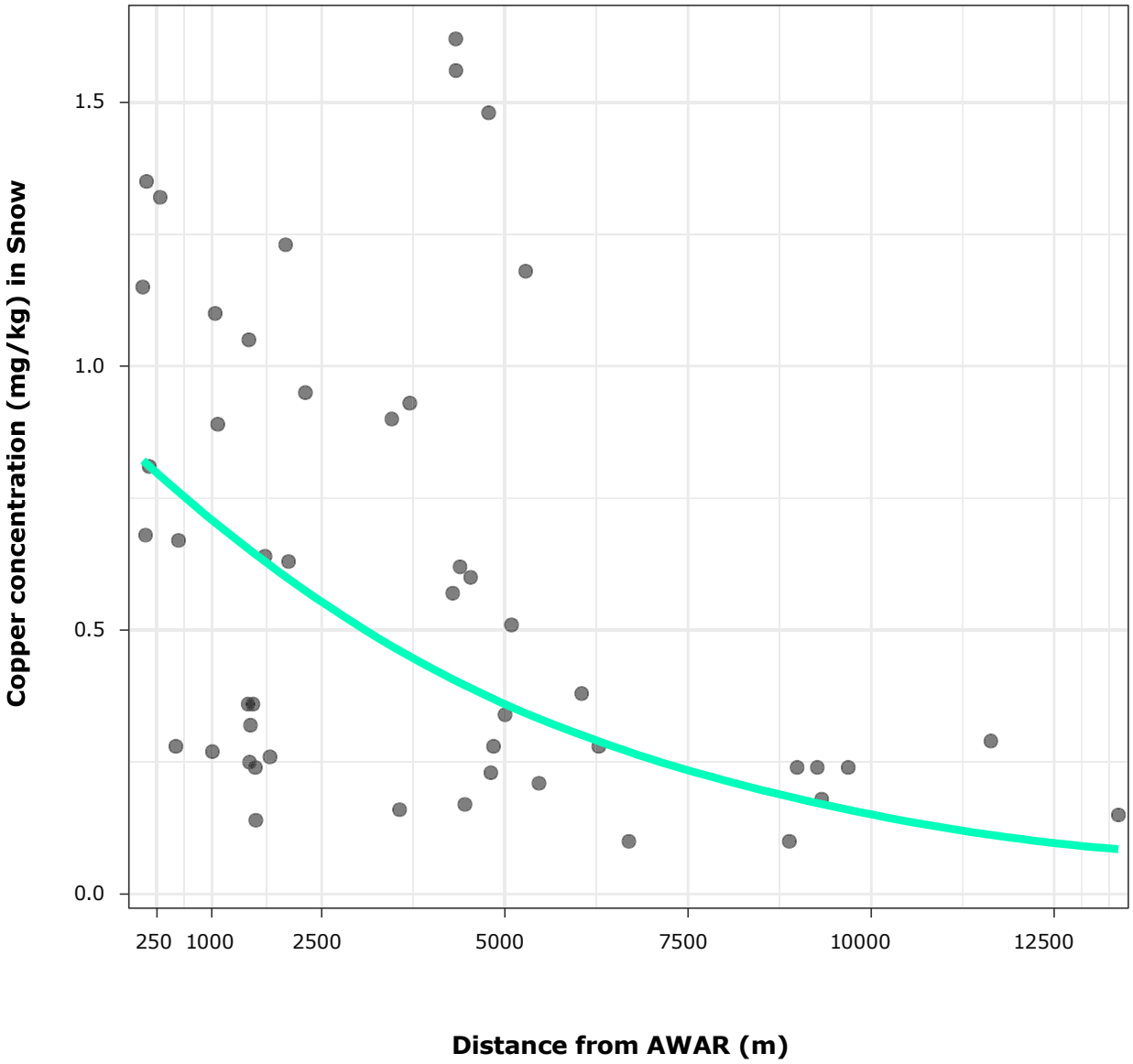
Notes: Points for 7 samples with concentrations > 2.12 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road

FIGURE 7.2-13 RELATIONSHIP BETWEEN SNOW COBALT CONCENTRATIONS AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



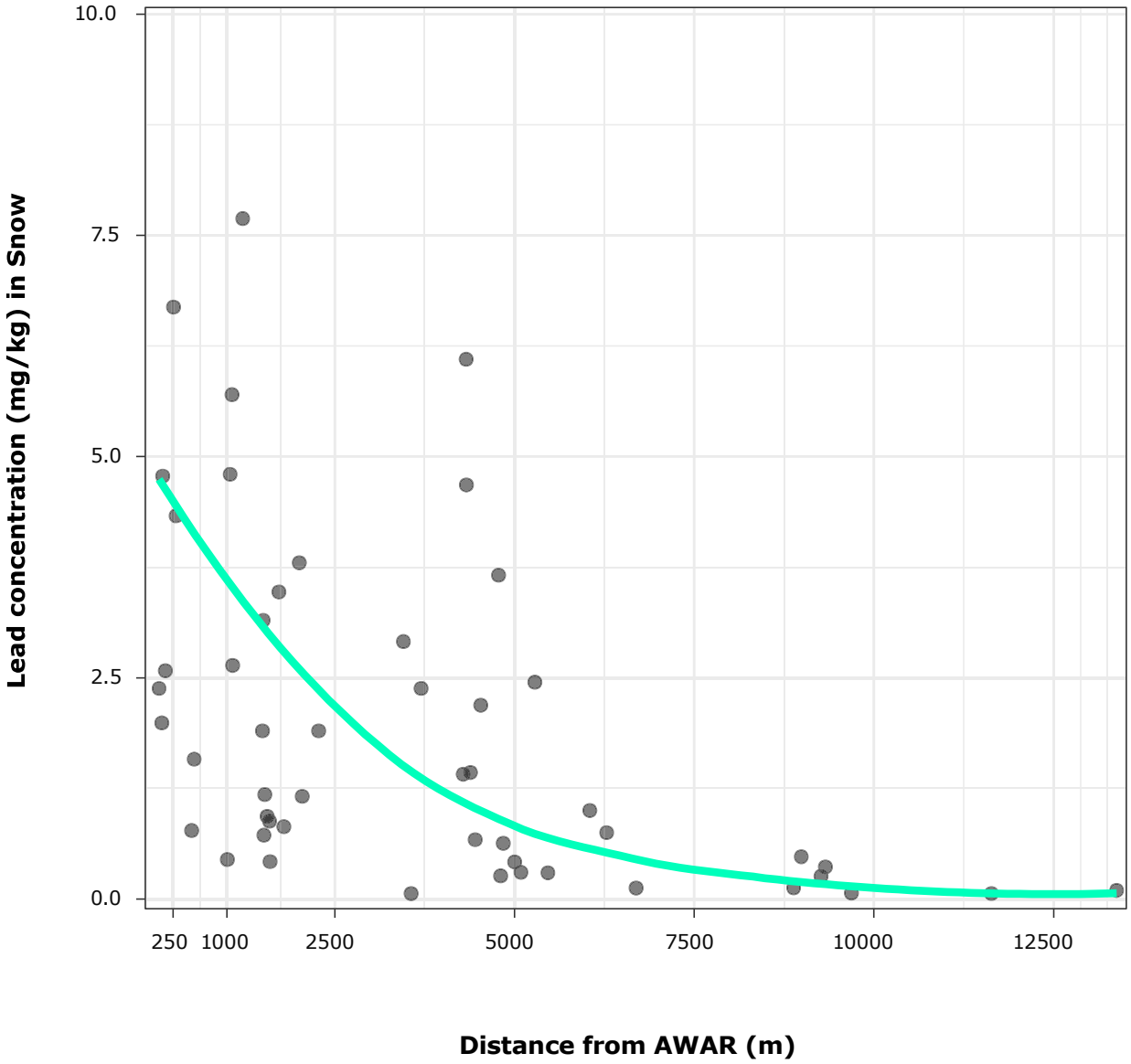
Notes: Points for 8 samples with concentrations > 0.38 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road

FIGURE 7.2-14 RELATIONSHIP BETWEEN SNOW COPPER CONCENTRATIONS AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



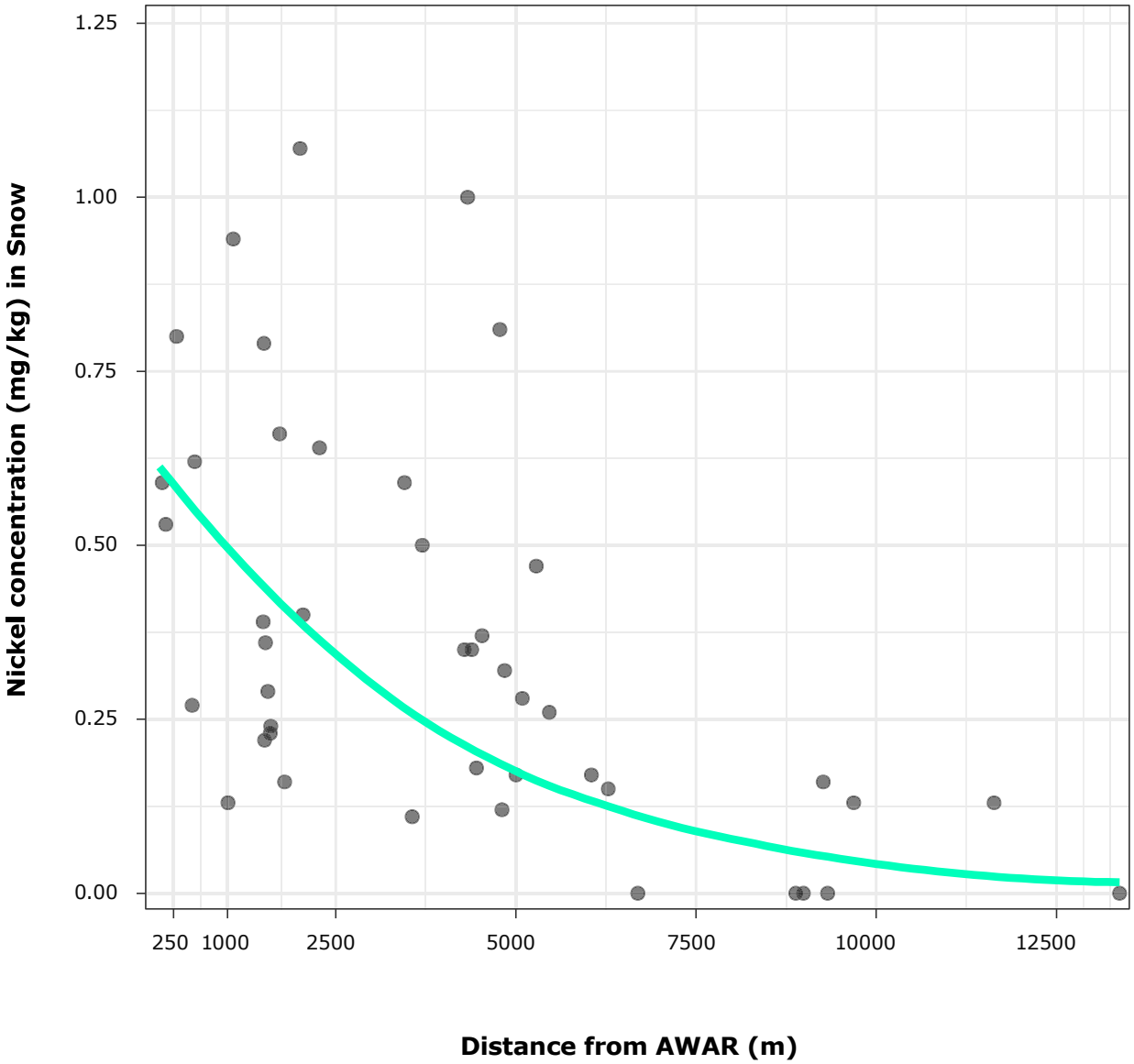
Notes: Points for 5 samples with concentrations > 1.66 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road

FIGURE 7.2-15 RELATIONSHIP BETWEEN SNOW LEAD CONCENTRATIONS AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



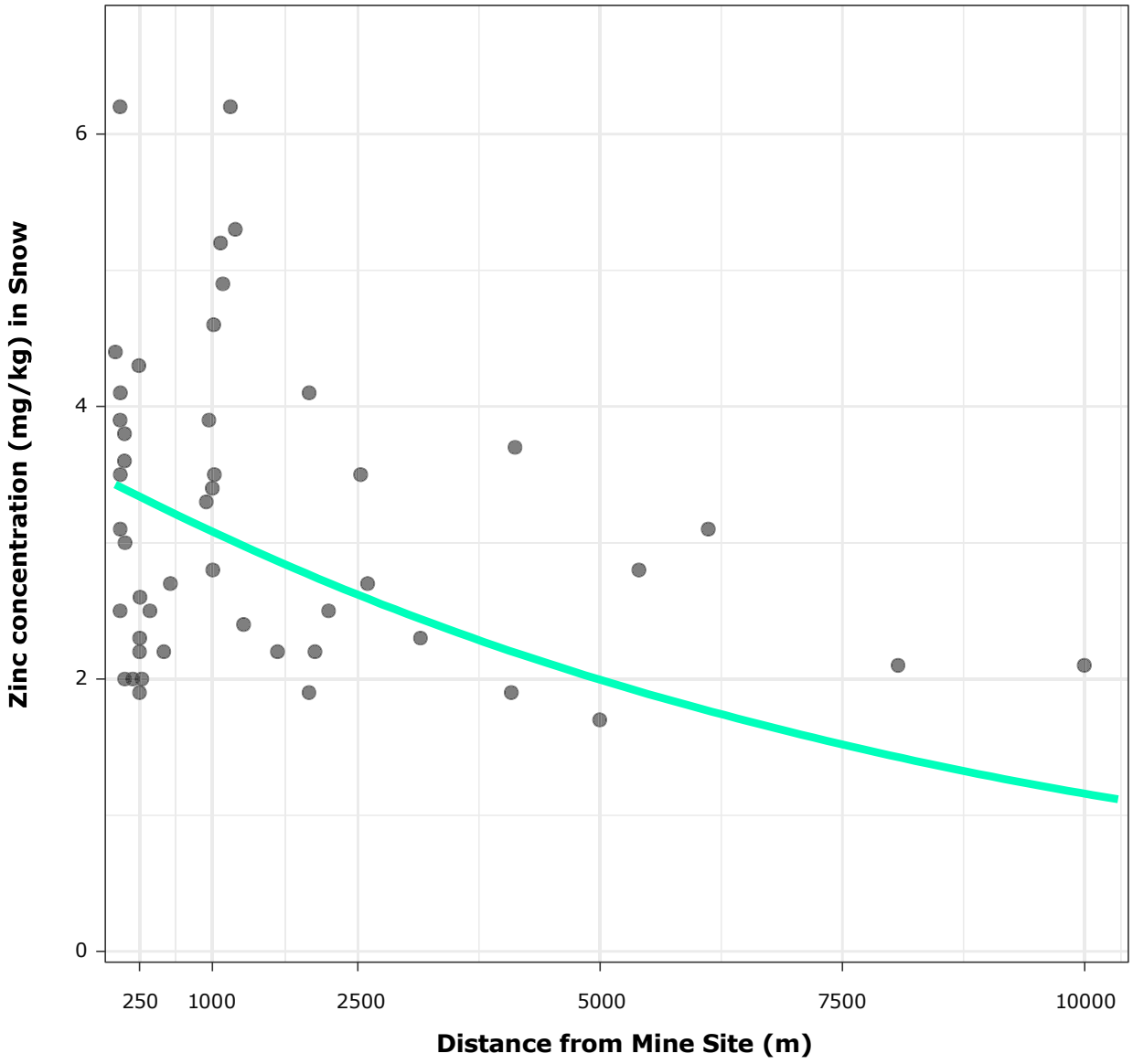
Notes: *Points for 2 samples with concentrations > 9.97 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.*
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road

FIGURE 7.2-16 RELATIONSHIP BETWEEN SNOW NICKEL CONCENTRATIONS AND DISTANCE FROM THE ALL-WEATHER ACCESS ROAD



Notes: Points for 9 samples with concentrations > 1.25 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = All-Weather Access Road

FIGURE 7.2-17 RELATIONSHIP BETWEEN SNOW ZINC CONCENTRATIONS AND DISTANCE FROM THE MINE SITE



Notes: Points for 5 samples with concentrations > 6.86 (mg/kg) were excluded from the figure for visualization purposes to more clearly show the modelled trends.
> = greater than; m = metre; mg/kg = milligram per kilogram
AWAR = Mine Site = Agnico Eagle Limited (Agnico Eagle) Meliadine Mine

7.3 METAL CONCENTRATION RELATIONSHIPS AMONG ENVIRONMENTAL MEDIA

To understand the potential for metal uptake from soil or snow (via dustfall) into leaves, berries, or lichen (i.e., bioaccumulation), regression models were developed to characterize the relationship between metal concentrations in the various environmental media sampled in 2025. Slope coefficients from these models represent BAFs (Section 6.3.2, Metal Concentration Relationships among Environmental Media). Of all the possible relationships between environmental media, five relationships produced regression models with significant effects and sufficient goodness-of-fit (i.e., $p < 0.05$ and $R^2 > 0.3$; Table 7.3-1). Three metals are associated with the five resultant models for the 2025 data (Table 7.3-1). The modelled trends are presented in Figure 7.3-1.

Four of the five models produced positive relationships, indicating that concentrations of arsenic, lead, or molybdenum increased in leaves or lichen as concentrations increased in soil or snow in 2025 samples. However, slope coefficients were less than one in each model, indicating that metal concentrations in leaves or lichen were generally lower than in soil or snow. One model produced a negative relationship, indicating that arsenic concentrations decreased in berry samples with increasing concentrations in snow in 2025.

TABLE 7.3-1 STATISTICALLY SIGNIFICANT BIOACCUMULATION FACTOR MODELS

Media Pair	Metal	Intercept	BAF (Slope Coefficient)	p-value	R^2
Snow–Berries	Arsenic	-1.202	-0.17	0.022	0.343
Snow–Lichen	Arsenic	1.001	0.46	<0.001	0.376
Snow–Lichen	Lead	0.323	0.54	<0.001	0.524
Soil–Leaves	Molybdenum	-2.097	0.5	0.005	0.463
Soil–Lichen	Molybdenum	-1.96	0.38	0.001	0.306

Notes:
> = greater than; < = less than
BAF = bioaccumulation factor
Significant is defined as $p < 0.05$ and $R^2 > 0.3$.
Shading indicates which model has a negative relationship; all others have a positive relationship.

Uptake factors (i.e., the ratio of metal concentration in vegetation to soil or snow) were calculated to be used as a proxy for the BAF where regression models gave poor goodness-of-fit ($R^2 < 0.3$; Section 6.3.2, Metal Concentration Relationships among Environmental Media). Uptake factors were not calculated for combinations of environmental media that were zero-dominated (i.e., most samples below the detection limit) resulting in many uptake factors for selenium, boron, and chromium being omitted ("N/A" in Table 7.3-2).

In soil, uptake factors for leaves, berries, and lichen samples were generally below a ratio of one (Table 7.3-2), indicating that metal concentrations were higher in soil than in co-located vegetation for most metals. Notably, most of the metals with soil BTV deviations (Section 7.1, Threshold Deviations) had low uptake factor values, suggesting that elevated metal concentrations in soil have not immediately translated into increased metal concentrations in vegetation.

FIGURE 7.3-1 ESTIMATED METAL BIOACCUMULATION RELATIONSHIPS FROM LINEAR MIXED-EFFECTS REGRESSION MODELS WITH 95% CONFIDENCE INTERVALS (GREEN)

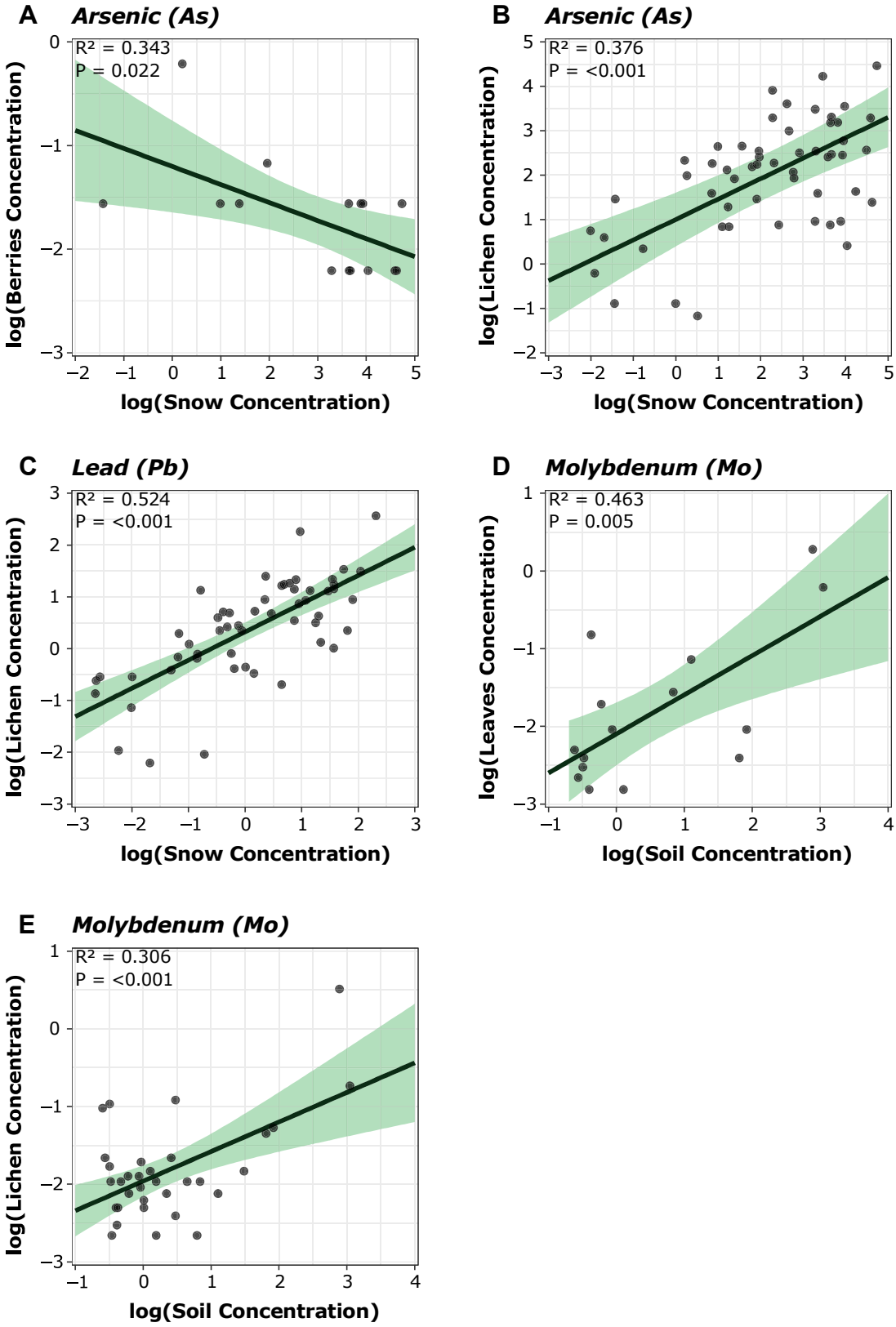


TABLE 7.3-2 CALCULATED UPTAKE FACTORS

Metal	Soil–Leaves Uptake Factor	Soil-Berries Uptake Factor	Soil–Lichen Uptake Factor	Snow-Leaves Uptake Factor	Snow–Berries Uptake Factor	Snow–Lichen Uptake Factor
Arsenic	0.06	0.02	0.75	0.04	0	0.57
Barium	0.17	0.01	0.12	**7.02**	0.51	**5.07**
Boron	**1.01**	0.16	0.11	N/A	N/A	N/A
Cadmium	0.13	0.05	0.14	**5.72**	**2.31**	**6.72**
Chromium	0.06	N/A	0.10	0.4	N/A	0.99
Cobalt	0.01	0	0.04	0.17	0.08	0.92
Copper	0.05	0.02	0.04	**2.04**	0.98	**1.96**
Lead	0.04	0.03	0.82	0.04	0.14	**1.03**
Molybdenum	0.06	0.01	0.08	**1.19**	N/A	**2.76**
Nickel	0.03	0.01	0.04	0.5	0.23	0.92
Selenium	N/A	N/A	0.12	N/A	N/A	**2.31**
Zinc	0.61	0.08	0.55	**4.94**	0.79	**4.49**

Notes:
> = greater than
N/A = not applicable
N/A is used when sample results were reported as below the detection limit.
Shading indicates metals with threshold deviations, as presented in Section 7.1, Threshold Deviations.
Bolded text highlights where calculated bioaccumulation factors are > 1.

In snow, vegetation uptake factors often exceeded a ratio of one (Table 7.3-2), indicating that concentrations of most metals were higher in leaves, berries, and lichen than in co-located snow samples. As discussed in Section 6.3.2, Metal Concentration Relationships among Environmental Media, uptake factors reflect overall metal concentration differences between vegetation and snow but are not informed by trends in vegetation concentration over the gradient of snow concentration. Therefore, uptake factors provide less information about potential accumulation or buffering processes. Here, uptake factors for snow, especially those exceeding one by a large margin (Table 7.3-2), likely reflect that snow concentrations were generally lower than in vegetation, rather than suggesting substantial accumulation from snow. For leaves and berries, this is likely driven by uptake of metals from soil via plant roots. Unlike vascular plants, lichen uptake metals through free exchange of gases and solutions over their entire surface (Berryman, Straker, and Straker, n.d.) and may be more influenced by snow chemistry (via dustfall) as a result. Overall, the BAF analysis only suggested the existence of a snow to lichen pathway for arsenic and lead, as evidenced by significant positive regressions with suitable goodness-of-fit (Figure 7.3-1).

7.4 VEGETATION DISTRIBUTION AND ABUNDANCE

Vegetation distribution and abundance data were collected for each functional group at each sampling site. Mean percent cover values for the vegetation functional groups at each distance interval are presented in Table 7.4-1. Future repeat sampling events will provide sufficient data to monitor change in vegetation distribution and abundance at these sampling sites over time.

TABLE 7.4-1 MEAN PERCENT COVER VALUE FOR VEGETATION GROUPS AT EACH DISTANCE INTERVAL

Functional Group	Mean Percent Cover (Standard Deviation)							
	50 m	100 m	250 m	500 m	1000 m	2000 m	5000 m	10 000 m
Forbs	6.1 (9.5)	3.1 (7.4)	2.9 (3.9)	1 (1.8)	5.8 (7.6)	0.9 (1.9)	2.2 (5.7)	1.1 (2.6)
Grasses	17.2 (24.7)	28.6 (30.0)	25.2 (40.6)	13.3 (14.0)	20.1 (24.2)	15.4 (15.9)	3.7 (4.3)	14.3 (24.8)
Moss/ lichen	27.0 (17.7)	27.8 (21.2)	34.0 (26.9)	48.0 (21.7)	23.7 (17.4)	48.1 (20.0)	44.1 (11.4)	31.1 (21.5)
Shrubs	45.1 (25.8)	27.9 (14.4)	24.1 (15.8)	31.1 (8.6)	34.9 (15.2)	30.7 (13.7)	49.1 (12.0)	43.0 (20.5)
Rock/ bare ground	4.6 (5.8)	12.6 (6.8)	13.9 (22.3)	6.6 (14.9)	15.5 (14.5)	4.9 (8.4)	0.9 (1.9)	10.5 (15.7)

Note:
m = metre

7.5 VEGETATION VIGOUR

Vegetation vigour scores were recorded for each functional group at each sampling site. Median plant vigour scores for the vegetation functional groups at each distance interval are presented in Table 7.5-1. No relationship between vigour scores and distance from the NIRB approved Project Footprint were apparent. Future repeat sampling events will provide sufficient data to monitor change in vegetation vigour at these sampling sites over time.

TABLE 7.5-1 MEDIAN PERCENT COVER VALUE FOR VEGETATION GROUPS AT EACH DISTANCE INTERVAL

Functional Group	Median Vigour Scores (Interquartile Range)							
	50 m	100 m	250 m	500 m	1000 m	2000 m	5000 m	10 000 m
Forbs	4 (0.5)	3 (0)	4 (0.5)	4 (0)	3 (1.5)	4 (0.5)	3.5 (0.5)	3 (0)
Grasses	3 (1)	3 (0.75)	3 (0)	3 (0.75)	3 (0)	3 (0.5)	3 (0.5)	3 (0)
Moss/lichen	3 (0)	3 (1)	3 (0)	3 (0)	3 (1)	3.5 (1)	4 (0.5)	3 (0.5)
Shrubs	4 (0.5)	4 (0)	4 (0.5)	4 (0.5)	4 (0.75)	4 (0)	4 (0)	4 (0)

Note:
m = metre

8. SUMMARY OF KEY RESULTS

The first year of the updated Program was conducted between 22 July and 6 August 2025. Table 8-1 summarizes the samples collected, analyzed, and discussed in this report.

TABLE 8-1 SUMMARY OF SAMPLES COLLECTED IN 2025

Sample Type	Target Number of Samples	Total Number of Samples Collected	Notes
Soil	55	55	Composite soil samples were collected at all sampling sites
Berry-producing plant leaves	55	55	Composite leaf samples were collected at all sampling sites
Berries	Collected opportunistically	48	Composite berry samples were collected at 48 sampling sites, based on availability
Lichen	54	54	Composite lichen samples were collected at all sampling sites where lichen is present in the ecosystem. The 250 m sampling site along Transect 2 is wet tundra and does not support lichen.
Snow	55	53	Composite snow samples were not collected at all sampling sites due to lack of consistent snowpack. The number of snow samples may vary year to year as a result.

8.1 ENVIRONMENTAL THRESHOLDS

Relevant soil metal concentration thresholds were selected for each metal analyzed by the analytical laboratory, with a subset of 12 key metals to monitor carried forward in 2025 through all analyses conducted as part of the Program. As future repeat sampling events occur, and a long-term dataset is developed, the subset of key metals to monitor can change over time to include additional metals if they become of interest. All future analyses will be performed on the most up-to-date subset of key metals to monitor.

The relevant thresholds selected for the key metals to monitor include a combination of established CCME soil quality guidelines and site-specific, data-derived BTVs as summarized in Table 8.1-1.

TABLE 8.1-1 SUMMARY OF SOIL CONCENTRATION THRESHOLDS FOR KEY METALS

Key Metal	Threshold Type	Threshold Value (mg/kg)
Arsenic	BTV	57.31
Barium	CCME	750
Boron	BTV	17.4
Cadmium	CCME	1.4
Chromium	CCME	64

Key Metal	Threshold Type	Threshold Value (mg/kg)
Cobalt	CCME	40
Copper	BTV	87.73
Lead	CCME	70
Molybdenum	BTV	7
Nickel	CCME	45
Selenium	BTV	1.2
Zinc	CCME	250

Note:
mg/kg = milligram per kilogram
BTV = background threshold value; CCME = Canadian Council of Ministers of the Environment

8.2 THRESHOLD DEVIATIONS

Deviations from soil concentration thresholds (Table 8.1-1) were recorded for 7 metals in 18 samples in the 2025 dataset, where metal concentrations were found to be greater than the established threshold. In one sample, the lab-derived arsenic concentration had the largest exceedance relative to the threshold. Copper had the most frequent exceedances across all 18 samples. Transect 2, downwind of the tailing storage facility and waste rock storage areas, had the greatest number of exceedances per transect. A summary of these results is provided in Table 8.2-1.

TABLE 8.2-1 SUMMARY OF 2025 SOIL CONCENTRATION THRESHOLD EXCEEDANCES

Metal	Threshold Type	Threshold Value (mg/kg)	Site ID	2025 Concentration (mg/kg)
Arsenic	BTV	57.31	T2-250	77
			T3-10000	580
Cadmium	CCME	1.4	T5-5000	1.5
			T6-50	1.5
Chromium	CCME	64	T2-1960	99
Copper	BTV	87.73	T2-100	120
			T2-1000	100
			T2-1960	130
			T4-50	90
			T4-500	98
			T4-2000	100
			T6-5000	100

Metal	Threshold Type	Threshold Value (mg/kg)	Site ID	2025 Concentration (mg/kg)
Molybdenum	BTV	7	T1-700	21
			T3-500	18
Nickel	CCME	45	T2-250	53
			T4-500	48
Selenium	BTV	1.2	T2-100	1.3
			T4-2000	1.6

Note:
mg/kg = milligram per kilogram
BTV = background threshold value; CCME = Canadian Council of Ministers of the Environment

Arsenic and copper are well documented to exist in elevated concentrations in the region, given their prevalence in the Rankin Inlet greenstone belt mineralogy and it is expected that elevated concentrations will continue to be found in the environment surrounding the Mine Site. All metal concentration values reported in 2025 are comparable to previous sampling events (i.e. 2017, 2019, 2022), including the values reported in the FEIS (i.e., 2008, 2009). Future repeat sampling events will aid in the isolation of the cause of these threshold deviations, with models allowing for the distinction between a Mine-related effect, and natural environmental variability.

The distribution of threshold deviations in the 2025 dataset do not indicate a strong causation from a Mine-related effect as the deviations were found sporadically along transects, at nonadjacent sampling sites as would be the expected trend for a dust related effect.

8.3 METAL CONCENTRATIONS AND DISTANCE FROM PROJECT COMPONENTS

The relationships between metal concentrations and distance from the Mine Site and AWAR were modelled for soil, leaves, berries, lichen, and snow. The modelled results for soil, leaves, and berries are similar, with most metals found to have no significant negative or positive relationship with distance from the Mine Site or AWAR. Following are the exceptions:

- Soil metal concentrations for arsenic, nickel, and zinc were found to have significant negative relationships with distance from the combined interaction of the Mine Site and AWAR, indicating that these metal concentrations in soil generally decreased with increasing distance from these features.
- Soil metal concentrations for arsenic were also found to have a significant negative relationship with distance from the AWAR, when isolated.
- Leaf metal concentrations for arsenic, barium, and nickel were found to have significant negative relationships with distance from the combined interaction of the Mine Site and AWAR.
- Leaf metal concentrations for arsenic were also found to have a significant negative relationship with distance from the Mine Site and AWAR, independently.

Modelled results for lichen and snow metal concentrations produced comparatively more significant negative relationships, specifically for the metals listed below. All other relationships were found to be non-significant.

- Lichen metal concentrations for arsenic, cobalt, and lead were found to have significant negative relationships with distance from the Mine site.
- Lichen metal concentrations for arsenic, chromium, and lead were found to have significant negative relationships with distance from the AWAR.
- Lichen metal concentrations for molybdenum were found to have a significant negative relationship with distance from the combined interaction of the Mine Site and AWAR.
- Snow metal concentrations for arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, and zinc were found to have significant negative relationships with distance from the combined interaction of the Mine Site and AWAR.

8.4 METAL CONCENTRATION RELATIONSHIPS AMONG ENVIRONMENTAL MEDIA

Slope coefficients of the regression models developed to characterize the relationship between metal concentrations in the various environmental media sampled in 2025 represent BAFs. A BAF of less than one indicates that metal concentrations in plants (leaves, berries, lichen) were generally lower than in soil or snow. Of all the possible relationships between environmental media, five relationships produced regression models with significant effects and sufficient goodness-of-fit. All five relationships have a BAF of less than one. These relationships are summarized in Table 8.4-1.

TABLE 8.4-1 SUMMARY OF SIGNIFICANT RELATIONSHIPS AMONG ENVIRONMENTAL MEDIA

Media Pair	Metal	Relationship	Notes
Snow–Berries	Arsenic	Negative	Concentrations decreased in berry samples with increasing concentrations in snow.
Snow–Lichen	Arsenic	Positive	Metal concentrations increased in leaves or lichen as concentrations increased in soil or snow; however, metal concentrations in leaves or lichen were generally lower than in soil or snow.
Snow–Lichen	Lead		
Soil–Leaves	Molybdenum		
Soil–Lichen	Molybdenum		

8.5 VEGETATION DISTRIBUTION AND ABUNDANCE

Vegetation distribution and abundance data was collected for each functional group at each sampling site, including forbs, grasses, moss/lichen, shrubs, and rock/bare ground. Mean percent cover values were calculated for each of the functional groups at each distance interval. Future repeat sampling events will provide sufficient data to monitor change in vegetation distribution and abundance at these sampling sites over time.

8.6 VEGETATION VIGOUR

Vegetation vigour scores were recorded for each functional group at each sampling site. Median plant vigour scores were calculated for each of the functional groups at each distance interval. No relationship between vigour scores and distance from the Mine Site were apparent in the 2025 data. Future repeat sampling events will provide sufficient data to monitor change in vegetation vigour at these sampling sites over time.

9. CONCLUSION

The Program was updated in consideration of the stated objective from the TEMMP (Agnico Eagle 2025a): to monitor and assess the health of vegetation near the NIRB Approved Project Footprint to track potential dust related effects on vegetation. In 2025, this was accomplished through the continuation of soil and vegetation sampling around the Mine and the analytical assessment of the resulting metal concentration data. Findings from the 2025 program are consistent with previously reported findings (e.g., Golder Associates 2018, 2020; WSP 2023) and indicate no strong causation relationship between dust-generating sources (i.e., the Mine Site and AWAR) and metal concentrations in vegetation.

These conclusions were derived through a multi-step program that included establishing site-specific soil concentration thresholds and key metals to monitor, examining the relationship between metal concentrations and distance from the Mine Site and AWAR, and examining the relationship among environmental media (i.e., from soil and snow to plants and lichen).

Using historical data (e.g., baseline), established methods (e.g., USDOE 1998) and guidelines (e.g., CCME 2024), site-specific soil concentration thresholds were derived from which to examine soil concentration threshold deviations within the Program. From these results, a subset of 12 key metals to monitor were derived for the first year of the Program. Few (n=18) deviations were recorded in the 2025 dataset and are most commonly attributed to metals that are known to be elevated regionally (e.g., arsenic, copper). These deviations, both in terms of individual metals and their 2025 concentrations, are comparable to historical conditions as reported in previous TEMMP Annual Reports and are aligned with FEIS results. The 2025 findings indicate that elevated soil metal concentrations are not concentrated around the Mine Site or AWAR (e.g., within 1,000 m), and that soil, leaf, berry, lichen, and snow metal concentrations generally decrease with increasing distance from these features.

As a next step, bioaccumulation factors were developed to examine the relationship between metal concentrations in soil and snow and metal concentrations in co-located plant materials (i.e., leaves, berries, lichen). The 2025 findings indicate that where metal concentrations in the various environmental media increased in tandem, concentrations remained generally lower in plant materials than in soil or snow. This demonstrates that metal uptake by plants from soil or dust is occurring at a ratio of less than 1 to 1.

Future repeat sampling events will provide data to test if changes in metal concentrations are caused by Mine Site and/or AWAR activities, facilitating the review of associated mitigation measures.

10. REFERENCES

Agnico Eagle (Agnico Eagle Mines Limited). 2025a. *Meliadine Gold Mine Terrestrial Environment Management and Monitoring Plan*. Version 5. Edmonton, Alberta.

Agnico Eagle. 2025b. *Meliadine Gold Mine Tailings—Metals (Internal*). Edmonton, Alberta.

Agnico Eagle. 2025c. *Meliadine Gold Mine Air Quality Monitoring Plan*. Version 3. Edmonton, Alberta.

BC-MOE (BC Ministry of Environment and Climate Change Strategy). 2023. *Protocol 4 for Contaminated Sites: Establishing Local Background Concentrations in Soil*, Version 14. Accessed December 2025. Retrieved from: https://www2.gov.bc.ca/assets/gov/environment/air-land-water/siteremediation/docs/protocols/protocol04.pdf.

Berryman, S., J. Straker, and D. Straker. n.d. *Using Lichens as Bioindicators of Air Pollution Deposition Near Remote Mining Operations*. Stantec Ltd. Sidney, British Columbia.

CNPS (California Native Plant Society). 2018. *CNPS Cover Diagrams*. Accessed December 2025. Retrieved from: https://cnps.org/wp-content/uploads/2018/03/percent_cover_diag-cnps.pdf?_gl=1*ihl1ma*_ga*MTk1OTM1Mjg4Ni4xNzYxMDgzMTE0*_ga_846YGV74VT*czE3NjEwODMxMTQkbzEkZzEkdDE3NjEwODMxMTckajU3JGwwJGgw.

CCME (Canadian Council of Ministers of the Environment). 2006. *A Protocol for the Derivation of Environmental and Human Health Soil Quality Guidelines.* Winnipeg, Manitoba.

CCME (Canadian Council of Ministers of the Environment). 2024. *Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health: Summary Table*. Winnipeg, Manitoba.

ERM (ERM Consultants Canada Ltd.). 2024. *Meliadine Mine Lichen Monitoring Program: Distribution of Metals*. Prepared for Agnico Eagle Mines Ltd. Edmonton, Alberta.

FCSAP (Federal Contaminated Sites Action Plan). 2019. *Ecological Risk Assessment Guidance—Module 5: Defining Background Conditions and Using Background Concentrations Version 1.0*. Prepared by Environment and Climate Change Canada. Accessed December 2025. Retrieved from: https://publications.gc.ca/collections/collection_2021/eccc/En14-92-5-2020-eng.pdf.

Golder Associates. 2014a. *SD 6-3 Geochemical Characterization of Waste Rock, Ore, Tailings and Overburden Meliadine Gold Project, Nunavut*. Prepared for Agnico Eagle Mines Ltd. Edmonton, Alberta.

Golder Associates. 2014b. *Final Environmental Impact Statement (FEIS) – Meliadine Gold Project, Nunavut*. Submitted to Nunavut Impact Review Board.

Golder Associates. 2018. *Agnico Eagle Mines Limited—Meliadine Division 2017 Terrestrial Effects Monitoring and Mitigation Program Annual Report*. Submitted to: Agnico Eagle Mines Limited. Edmonton, Alberta.

Golder Associates. 2020. *Agnico Eagle Mines Limited—Meliadine Division 2019 Terrestrial Effects Monitoring and Mitigation Program Annual Report*. Submitted to: Agnico Eagle Mines Limited. Edmonton, Alberta.

McMartin, I. 2000. *Till Composition across the Meliadine Trend, Rankin Inlet Area, Kivalliq Region, Nunavut.* Geological Survey of Canada. Open File, 3747, 330.

USDOE (United States Department of Energy). 1998. *Empirical Models for the Uptake of Inorganic Chemicals from Soil by Plants*. Accessed December 2025. Retrieved from: https://rais.ornl.gov/documents/bjcor-133.

USEPA (United States Environmental Protection Agency). 2002. *Guidance for Comparing Background and Chemical Concentrations in Soil for CERCLA Sites*. Accessed December 2025. Retrieved from: https://www.epa.gov/sites/default/files/2015-11/documents/background.pdf.

USEPA. 2015. *Proucl Version 5.1 User Guide: Statistical Software for Environmental Applications for Data Sets With and Without Nondetect Observations*. Accessed December 2025. Retrieved from: https://www.epa.gov/sites/default/files/2016-05/documents/proucl_5.1_user-guide.pdf.

WSP (WSP Canada Inc.). 2023. *Agnico Eagle Mines Limited—Meliadine Division 2022 Terrestrial Environment Management and Monitoring Plan Annual Report: Appendix 27*. Submitted to: Agnico Eagle Mines Limited. Edmonton, Alberta.

APPENDIX A BERRY-PRODUCING PLANT SPECIES

APPENDIX A: BERRY-PRODUCING PLANT SPECIES

TABLE A-1 SPECIES COLLECTED AT EACH SAMPLING SITE

Transect Meters	Transect	Site ID	Bearberry (*Arctostaphylos* sp.)	Bilberry (*Vaccinium uliginosum*)	Cloudberry (*Rubus chamaemorus*)	Crowberry (*Empetrum nigrum*)	Lingonberry (*Vaccinium vitisidaea*)
T1	50	T1_50	Leaves	Leaves	N/A	N/A	N/A
T1	100	T1_100	Leaves	Leaves	N/A	Leaves	N/A
T1	250	T1_250	Leaves, berries	N/A	Leaves	Leaves, berries	Leaves, berries
T1	700	T1_700	Leaves, berries	Leaves	Leaves, berries	Leaves, berries	N/A
T1	1,000	T1_1000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	N/A
T1	2,000	T1_2000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	N/A
T1	5,000	T1_5000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	N/A
T1	10,000	T1_10000	Leaves, berries	Leaves, berries	Leaves	Leaves, berries	Leaves, berries
T2	50	T2_50	Leaves, berries	Leaves, berries	N/A	Leaves, berries	N/A
T2	100	T2_100	Leaves, berries	Leaves, berries	N/A	N/A	N/A
T2	250	T2_250	N/A	Leaves	N/A	N/A	N/A
T2	500	T2_500	Leaves, berries	Leaves, berries	N/A	N/A	N/A
T2	1,000	T2_1000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	N/A
T2	1,960	T2_1960	Leaves, berries	Leaves, berries	Leaves, berries	Leaves, berries	Leaves, berries
T2	5,000	T2_5000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	Leaves, berries
T2	10,000	T2_10000	N/A	Leaves, berries	N/A	Leaves, berries	N/A

Transect Meters	Transect	Site ID	Bearberry (*Arctostaphylos* sp.)	Bilberry (*Vaccinium uliginosum*)	Cloudberry (*Rubus chamaemorus*)	Crowberry (*Empetrum nigrum*)	Lingonberry (*Vaccinium vitisidaea*)
T3	50	T3_50	Leaves	Leaves, berries	Leaves	N/A	Leaves, berries
T3	100	T3_100	Leaves, berries	N/A	Leaves, berries	Leaves	N/A
T3	250	T3_250	Leaves, berries	Leaves, berries	Leaves, berries	Leaves, berries	Leaves
T3	500	T3_500	Leaves, berries	Leaves, berries	Leaves, berries	Leaves, berries	Leaves, berries
T3	1,000	T3_1000	N/A	Leaves, berries	N/A	N/A	N/A
T3	2,000	T3_2000	N/A	Leaves	N/A	Leaves, berries	Leaves
T3	5,120	T3_5120	N/A	N/A	Leaves, berries	Leaves, berries	Leaves, berries
T3	10,000	T3_10000	Leaves, berries	Leaves	Leaves, berries	Leaves, berries	Leaves
T4	50	T4_50	Leaves, berries	Leaves, berries	N/A	Leaves, berries	N/A
T4	100	T4_100	N/A	Leaves	N/A	N/A	N/A
T4	250	T4_250	N/A	Leaves, berries	N/A	Leaves, berries	N/A
T4	500	T4_500	Leaves, berries	Leaves, berries	N/A	N/A	N/A
T4	1,000	T4_1000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	N/A
T4	2,000	T4_2000	N/A	Leaves, berries	N/A	Leaves, berries	N/A
T4	5,000	T4_5000	Leaves, berries	N/A	N/A	Leaves, berries	N/A
T4	10,850	T4_10850	N/A	N/A	Leaves	N/A	Leaves
T5	50	T5_50	Leaves	Leaves	N/A	Leaves	Leaves
T5	100	T5_100	N/A	N/A	Leaves	Leaves	N/A
T5	250	T5_250	N/A	N/A	N/A	Leaves, berries	Leaves, berries
T5	500	T5_500	Leaves, berries	N/A	Leaves	Leaves, berries	N/A
T5	2,000	T5_2000	Leaves, berries	N/A	N/A	Leaves, berries	Leaves, berries
T5	5,000	T5_5000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	Leaves, berries
T5	10,000	T5_10000	Leaves, berries	Leaves, berries	Leaves, berries	Leaves, berries	Leaves, berries

Transect Meters	Transect	Site ID	Bearberry (*Arctostaphylos* sp.)	Bilberry (*Vaccinium uliginosum*)	Cloudberry (*Rubus chamaemorus*)	Crowberry (*Empetrum nigrum*)	Lingonberry (*Vaccinium vitisidaea*)
T6	50	T6_50	Leaves, berries	N/A	N/A	Leaves, berries	N/A
T6	100	T6_100	Leaves, berries	Leaves, berries	N/A	Leaves, berries	N/A
T6	250	T6_250	Leaves, berries	Leaves, berries	N/A	Leaves, berries	Leaves, berries
T6	500	T6_500	N/A	N/A	N/A	Leaves, berries	Leaves, berries
T6	1,000	T6_1000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	Leaves, berries
T6	2,000	T6_2000	N/A	Leaves, berries	N/A	Leaves, berries	Leaves, berries
T6	5,000	T6_5000	N/A	Leaves, berries	N/A	Leaves, berries	N/A
T6	10,000	T6_10000	Leaves, berries	Leaves, berries	N/A	N/A	Leaves, berries
T7	50	T7_50	Leaves, berries	Leaves, berries	Leaves	Leaves, berries	Leaves
T7	100	T7_100	N/A	Leaves, berries	Leaves	Leaves, berries	Leaves, berries
T7	250	T7_250	Leaves, berries	N/A	N/A	Leaves, berries	Leaves
T7	500	T7_500	Leaves, berries	Leaves, berries	N/A	Leaves, berries	Leaves, berries
T7	1,000	T7_1000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	N/A
T7	2,000	T7_2000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	Leaves, berries
T7	5,000	T7_5000	Leaves, berries	Leaves	Leaves, berries	Leaves, berries	Leaves
T7	10,000	T7_10000	Leaves, berries	Leaves, berries	N/A	Leaves, berries	Leaves

Note:

N/A = not available at sampling site

APPENDIX B LABORATORY DATA

Your P.O. #: OL-1504867
Your Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your C.O.C. #: 1030632

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2025/09/05
Report #: R8606974
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C597056
Received: 2025/08/08, 10:40

Sample Matrix: Soil
Samples Received: 60

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Acid Extractable Metals by ICPMS (1)	11	2025/08/14	2025/08/14	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS (1)	7	2025/08/15	2025/08/16	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS (1)	6	2025/08/18	2025/08/18	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS (1)	10	2025/08/21	2025/08/22	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS (1)	3	2025/08/22	2025/08/23	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS (1)	14	2025/08/23	2025/08/23	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS (1)	3	2025/08/25	2025/08/25	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS (1)	5	2025/08/26	2025/08/26	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS (1)	1	2025/09/03	2025/09/03	CAM SOP-00447	EPA 6020B m
pH CaCl2 EXTRACT (1)	14	2025/08/14	2025/08/14	CAM SOP-00413	EPA 9045 D m
pH CaCl2 EXTRACT (1)	10	2025/08/14	2025/08/15	CAM SOP-00413	EPA 9045 D m
pH CaCl2 EXTRACT (1)	17	2025/08/21	2025/08/21	CAM SOP-00413	EPA 9045 D m
pH CaCl2 EXTRACT (1)	19	2025/08/21	2025/08/22	CAM SOP-00413	EPA 9045 D m

Sample Matrix: Tissue
Samples Received: 127

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mercury in Vegetation by CVAA (1)	38	2025/08/19	2025/08/25	CAM SOP-00453	Health Canada Method
Mercury in Vegetation by CVAA (1)	2	2025/08/20	2025/08/25	CAM SOP-00453	Health Canada Method
Mercury in Vegetation by CVAA (1)	20	2025/08/30	2025/09/03	CAM SOP-00453	Health Canada Method
Mercury in Vegetation by CVAA (1)	67	2025/09/02	2025/09/04	CAM SOP-00453	Health Canada Method
Metals in Vegetation by ICPMS (1)	17	N/A	2025/08/19	CAM SOP-00447	EPA 6020/200.3 m
Metals in Vegetation by ICPMS (1)	1	N/A	2025/08/21	CAM SOP-00447	EPA 6020/200.3 m
Metals in Vegetation by ICPMS (1)	2	N/A	2025/08/25	CAM SOP-00447	EPA 6020/200.3 m
Metals in Vegetation by ICPMS (1)	106	N/A	2025/09/03	CAM SOP-00447	EPA 6020/200.3 m
Metals in Vegetation by ICPMS (1)	1	N/A	2025/09/04	CAM SOP-00447	EPA 6020/200.3 m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

Your P.O. #: OL-1504867
Your Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your C.O.C. #: 1030632

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2025/09/05
Report #: R8606974
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C597056
Received: 2025/08/08, 10:40

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8

Encryption Key

Katherine Szozda
Project Manager
05 Sep 2025 15:05:09

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		ATWW00	ATWW01		ATWW02		ATWW03		
Sampling Date		2025/07/30	2025/07/30		2025/07/30		2025/07/30		
COC Number		1030632	1030632		1030632		1030632		
	UNITS	T1_100_soil	T1_1000_soil	QC Batch	T1_5000_soil	QC Batch	T1_700_soil	RDL	QC Batch
Metals									
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	9989679	<0.20	9991308	<0.20	0.20	9990614
Acid Extractable Arsenic (As)	ug/g	12	3.2	9989679	3.7	9991308	1.9	1.0	9990614
Acid Extractable Barium (Ba)	ug/g	130	50	9989679	46	9991308	17	0.50	9990614
Acid Extractable Beryllium (Be)	ug/g	<0.20	<0.20	9989679	<0.20	9991308	<0.20	0.20	9990614
Acid Extractable Boron (B)	ug/g	8.1	9.1	9989679	<5.0	9991308	<5.0	5.0	9990614
Acid Extractable Cadmium (Cd)	ug/g	0.37	0.38	9989679	0.78	9991308	0.43	0.10	9990614
Acid Extractable Chromium (Cr)	ug/g	6.2	2.3	9989679	4.4	9991308	<1.0	1.0	9990614
Acid Extractable Cobalt (Co)	ug/g	4.4	1.2	9989679	5.0	9991308	3.4	0.10	9990614
Acid Extractable Copper (Cu)	ug/g	47	13	9989679	18	9991308	4.6	0.50	9990614
Acid Extractable Lead (Pb)	ug/g	4.1	1.5	9989679	2.6	9991308	2.0	1.0	9990614
Acid Extractable Molybdenum (Mo)	ug/g	0.67	0.66	9989679	<0.50	9991308	21	0.50	9990614
Acid Extractable Nickel (Ni)	ug/g	25	3.3	9989679	10	9991308	2.7	0.50	9990614
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	9989679	0.55	9991308	<0.50	0.50	9990614
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	9989679	<0.20	9991308	<0.20	0.20	9990614
Acid Extractable Thallium (Tl)	ug/g	0.087	<0.050	9989679	<0.050	9991308	<0.050	0.050	9990614
Acid Extractable Uranium (U)	ug/g	0.50	0.14	9989679	0.27	9991308	0.11	0.050	9990614
Acid Extractable Vanadium (V)	ug/g	<5.0	<5.0	9989679	<5.0	9991308	<5.0	5.0	9990614
Acid Extractable Zinc (Zn)	ug/g	32	74	9989679	31	9991308	26	5.0	9990614
Acid Extractable Mercury (Hg)	ug/g	0.23	0.16	9989679	0.19	9991308	0.17	0.050	9990614

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		ATWW04		ATWW05		ATWW06	ATWW07		
Sampling Date		2025/07/31		2025/07/31		2025/07/31	2025/07/31		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T2_100_soil	QC Batch	T2_1000_soil	QC Batch	T2_1960_soil	T2_250_soil	RDL	QC Batch
Metals									
Acid Extractable Antimony (Sb)	ug/g	0.25	9991308	0.22	9989679	0.21	0.29	0.20	9990614
Acid Extractable Arsenic (As)	ug/g	34	9991308	23	9989679	14	77	1.0	9990614
Acid Extractable Barium (Ba)	ug/g	130	9991308	170	9989679	160	330	0.50	9990614
Acid Extractable Beryllium (Be)	ug/g	<0.20	9991308	<0.20	9989679	0.36	<0.20	0.20	9990614
Acid Extractable Boron (B)	ug/g	<5.0	9991308	5.4	9989679	5.7	6.6	5.0	9990614
Acid Extractable Cadmium (Cd)	ug/g	0.63	9991308	0.50	9989679	0.30	0.94	0.10	9990614
Acid Extractable Chromium (Cr)	ug/g	9.0	9991308	5.6	9989679	99	23	1.0	9990614
Acid Extractable Cobalt (Co)	ug/g	11	9991308	6.6	9989679	11	28	0.10	9990614
Acid Extractable Copper (Cu)	ug/g	120	9991308	100	9989679	130	62	0.50	9990614
Acid Extractable Lead (Pb)	ug/g	2.3	9991308	2.5	9989679	3.2	14	1.0	9990614
Acid Extractable Molybdenum (Mo)	ug/g	1.6	9991308	0.80	9989679	1.4	3.6	0.50	9990614
Acid Extractable Nickel (Ni)	ug/g	30	9991308	39	9989679	43	53	0.50	9990614
Acid Extractable Selenium (Se)	ug/g	1.3	9991308	0.79	9989679	1.1	1.1	0.50	9990614
Acid Extractable Silver (Ag)	ug/g	<0.20	9991308	<0.20	9989679	<0.20	<0.20	0.20	9990614
Acid Extractable Thallium (Tl)	ug/g	0.23	9991308	0.17	9989679	0.26	0.28	0.050	9990614
Acid Extractable Uranium (U)	ug/g	5.3	9991308	1.3	9989679	7.3	3.8	0.050	9990614
Acid Extractable Vanadium (V)	ug/g	9.6	9991308	6.1	9989679	49	27	5.0	9990614
Acid Extractable Zinc (Zn)	ug/g	32	9991308	20	9989679	62	110	5.0	9990614
Acid Extractable Mercury (Hg)	ug/g	0.15	9991308	0.14	9989679	<0.050	0.19	0.050	9990614

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		ATWW08		ATWW09		ATWW10	ATWW11		
Sampling Date		2025/08/01		2025/08/03		2025/08/04	2025/07/26		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T3_1000_soil	QC Batch	T3_10000_soil	QC Batch	T5_10000_soil	T5_2000_soil	RDL	QC Batch
Metals									
Acid Extractable Antimony (Sb)	ug/g	<0.20	9989703	<0.20	9989679	<0.20	<0.20	0.20	9990614
Acid Extractable Arsenic (As)	ug/g	6.4	9989703	580	9989679	<1.0	3.2	1.0	9990614
Acid Extractable Barium (Ba)	ug/g	100	9989703	120	9989679	91	99	0.50	9990614
Acid Extractable Beryllium (Be)	ug/g	<0.20	9989703	<0.20	9989679	<0.20	<0.20	0.20	9990614
Acid Extractable Boron (B)	ug/g	5.4	9989703	<5.0	9989679	<5.0	<5.0	5.0	9990614
Acid Extractable Cadmium (Cd)	ug/g	0.54	9989703	0.23	9989679	0.52	0.26	0.10	9990614
Acid Extractable Chromium (Cr)	ug/g	15	9989703	34	9989679	3.1	6.5	1.0	9990614
Acid Extractable Cobalt (Co)	ug/g	4.1	9989703	8.2	9989679	3.7	4.5	0.10	9990614
Acid Extractable Copper (Cu)	ug/g	35	9989703	42	9989679	23	38	0.50	9990614
Acid Extractable Lead (Pb)	ug/g	2.0	9989703	3.6	9989679	2.6	3.7	1.0	9990614
Acid Extractable Molybdenum (Mo)	ug/g	0.96	9989703	2.2	9989679	<0.50	0.78	0.50	9990614
Acid Extractable Nickel (Ni)	ug/g	16	9989703	38	9989679	7.5	15	0.50	9990614
Acid Extractable Selenium (Se)	ug/g	0.60	9989703	0.70	9989679	<0.50	0.51	0.50	9990614
Acid Extractable Silver (Ag)	ug/g	<0.20	9989703	<0.20	9989679	<0.20	<0.20	0.20	9990614
Acid Extractable Thallium (Tl)	ug/g	0.13	9989703	0.19	9989679	0.053	0.076	0.050	9990614
Acid Extractable Uranium (U)	ug/g	1.0	9989703	2.5	9989679	1.9	1.4	0.050	9990614
Acid Extractable Vanadium (V)	ug/g	16	9989703	26	9989679	<5.0	5.8	5.0	9990614
Acid Extractable Zinc (Zn)	ug/g	64	9989703	21	9989679	25	23	5.0	9990614
Acid Extractable Mercury (Hg)	ug/g	0.12	9989703	0.071	9989679	0.22	0.24	0.050	9990614

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		ATWW12		ATWW13		ATWW14		ATWW15		
Sampling Date		2025/07/26		2025/07/26		2025/08/04		2025/08/04		
COC Number		1030632		1030632		1030632		1030632		
	UNITS	T5_250_soil	QC Batch	T5_50_soil	QC Batch	T7_1000_soil	QC Batch	T7_2000_soil	RDL	QC Batch
Metals										
Acid Extractable Antimony (Sb)	ug/g	<0.20	9991308	<0.20	9990614	<0.20	9991308	<0.20	0.20	9989703
Acid Extractable Arsenic (As)	ug/g	2.2	9991308	5.3	9990614	3.4	9991308	6.8	1.0	9989703
Acid Extractable Barium (Ba)	ug/g	73	9991308	60	9990614	320	9991308	160	0.50	9989703
Acid Extractable Beryllium (Be)	ug/g	<0.20	9991308	<0.20	9990614	<0.20	9991308	<0.20	0.20	9989703
Acid Extractable Boron (B)	ug/g	<5.0	9991308	<5.0	9990614	7.7	9991308	<5.0	5.0	9989703
Acid Extractable Cadmium (Cd)	ug/g	0.40	9991308	0.90	9990614	0.69	9991308	0.48	0.10	9989703
Acid Extractable Chromium (Cr)	ug/g	2.0	9991308	5.7	9990614	9.8	9991308	5.3	1.0	9989703
Acid Extractable Cobalt (Co)	ug/g	3.5	9991308	2.4	9990614	5.0	9991308	12	0.10	9989703
Acid Extractable Copper (Cu)	ug/g	6.5	9991308	11	9990614	59	9991308	29	0.50	9989703
Acid Extractable Lead (Pb)	ug/g	2.0	9991308	5.3	9990614	3.3	9991308	1.7	1.0	9989703
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	9991308	<0.50	9990614	0.71	9991308	<0.50	0.50	9989703
Acid Extractable Nickel (Ni)	ug/g	4.5	9991308	6.5	9990614	18	9991308	13	0.50	9989703
Acid Extractable Selenium (Se)	ug/g	0.54	9991308	0.73	9990614	0.64	9991308	<0.50	0.50	9989703
Acid Extractable Silver (Ag)	ug/g	<0.20	9991308	<0.20	9990614	<0.20	9991308	<0.20	0.20	9989703
Acid Extractable Thallium (Tl)	ug/g	<0.050	9991308	0.074	9990614	0.10	9991308	0.11	0.050	9989703
Acid Extractable Uranium (U)	ug/g	0.31	9991308	0.67	9990614	0.61	9991308	0.41	0.050	9989703
Acid Extractable Vanadium (V)	ug/g	<5.0	9991308	<5.0	9990614	13	9991308	28	5.0	9989703
Acid Extractable Zinc (Zn)	ug/g	31	9991308	30	9990614	80	9991308	32	5.0	9989703
Acid Extractable Mercury (Hg)	ug/g	0.31	9991308	0.16	9990614	0.21	9991308	0.18	0.050	9989703

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		ATWW16		ATWW17		ATWW18		ATWW19		
Sampling Date		2025/08/04		2025/08/04		2025/07/24		2025/07/24		
COC Number		1030632		1030632		1030632		1030632		
	UNITS	T7_250_soil	QC Batch	T7_500_soil	QC Batch	DUP1_soil	QC Batch	DUP2_soil	RDL	QC Batch
Metals										
Acid Extractable Antimony (Sb)	ug/g	<0.20	9989703	<0.20	9990614	<0.20	9989679	<0.20	0.20	9991308
Acid Extractable Arsenic (As)	ug/g	2.5	9989703	2.6	9990614	22	9989679	12	1.0	9991308
Acid Extractable Barium (Ba)	ug/g	85	9989703	74	9990614	78	9989679	130	0.50	9991308
Acid Extractable Beryllium (Be)	ug/g	<0.20	9989703	<0.20	9990614	<0.20	9989679	<0.20	0.20	9991308
Acid Extractable Boron (B)	ug/g	<5.0	9989703	<5.0	9990614	<5.0	9989679	8.8	5.0	9991308
Acid Extractable Cadmium (Cd)	ug/g	0.62	9989703	1.1	9990614	0.13	9989679	0.22	0.10	9991308
Acid Extractable Chromium (Cr)	ug/g	7.5	9989703	2.1	9990614	17	9989679	3.7	1.0	9991308
Acid Extractable Cobalt (Co)	ug/g	1.8	9989703	3.4	9990614	15	9989679	4.3	0.10	9991308
Acid Extractable Copper (Cu)	ug/g	9.5	9989703	11	9990614	35	9989679	86	0.50	9991308
Acid Extractable Lead (Pb)	ug/g	1.8	9989703	1.5	9990614	3.2	9989679	2.6	1.0	9991308
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	9989703	<0.50	9990614	<0.50	9989679	1.1	0.50	9991308
Acid Extractable Nickel (Ni)	ug/g	4.4	9989703	4.9	9990614	21	9989679	43	0.50	9991308
Acid Extractable Selenium (Se)	ug/g	0.73	9989703	0.63	9990614	<0.50	9989679	0.56	0.50	9991308
Acid Extractable Silver (Ag)	ug/g	<0.20	9989703	<0.20	9990614	<0.20	9989679	<0.20	0.20	9991308
Acid Extractable Thallium (Tl)	ug/g	<0.050	9989703	<0.050	9990614	0.067	9989679	0.089	0.050	9991308
Acid Extractable Uranium (U)	ug/g	0.52	9989703	0.25	9990614	1.5	9989679	0.89	0.050	9991308
Acid Extractable Vanadium (V)	ug/g	6.2	9989703	<5.0	9990614	12	9989679	<5.0	5.0	9991308
Acid Extractable Zinc (Zn)	ug/g	22	9989703	21	9990614	34	9989679	26	5.0	9991308
Acid Extractable Mercury (Hg)	ug/g	0.28	9989703	0.25	9990614	0.065	9989679	0.17	0.050	9991308

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		ATWW20		ATWW21		ATWW22		ATWW64		
Sampling Date		2025/07/25		2025/07/25		2025/07/30		2025/07/30		
COC Number		1030632		1030632		1030632		1030632		
	UNITS	DUP3_soil	QC Batch	DUP4_soil	QC Batch	DUP5_soil	QC Batch	T5_100_SOIL	RDL	QC Batch
Metals										
Acid Extractable Antimony (Sb)	ug/g	<0.20	9989703	<0.20	9991308	<0.20	9989703	<0.20	0.20	9989679
Acid Extractable Arsenic (As)	ug/g	2.1	9989703	2.4	9991308	5.4	9989703	13	1.0	9989679
Acid Extractable Barium (Ba)	ug/g	110	9989703	66	9991308	77	9989703	68	0.50	9989679
Acid Extractable Beryllium (Be)	ug/g	<0.20	9989703	<0.20	9991308	<0.20	9989703	<0.20	0.20	9989679
Acid Extractable Boron (B)	ug/g	8.4	9989703	<5.0	9991308	<5.0	9989703	<5.0	5.0	9989679
Acid Extractable Cadmium (Cd)	ug/g	0.24	9989703	0.56	9991308	0.82	9989703	0.13	0.10	9989679
Acid Extractable Chromium (Cr)	ug/g	3.1	9989703	1.7	9991308	24	9989703	4.0	1.0	9989679
Acid Extractable Cobalt (Co)	ug/g	1.4	9989703	3.4	9991308	4.7	9989703	1.5	0.10	9989679
Acid Extractable Copper (Cu)	ug/g	120	9989703	42	9991308	17	9989703	49	0.50	9989679
Acid Extractable Lead (Pb)	ug/g	1.2	9989703	1.6	9991308	2.9	9989703	3.7	1.0	9989679
Acid Extractable Molybdenum (Mo)	ug/g	1.5	9989703	<0.50	9991308	<0.50	9989703	2.3	0.50	9989679
Acid Extractable Nickel (Ni)	ug/g	31	9989703	12	9991308	14	9989703	9.9	0.50	9989679
Acid Extractable Selenium (Se)	ug/g	1.0	9989703	0.68	9991308	<0.50	9989703	0.67	0.50	9989679
Acid Extractable Silver (Ag)	ug/g	<0.20	9989703	<0.20	9991308	<0.20	9989703	<0.20	0.20	9989679
Acid Extractable Thallium (Tl)	ug/g	0.16	9989703	<0.050	9991308	0.075	9989703	<0.050	0.050	9989679
Acid Extractable Uranium (U)	ug/g	11	9989703	0.60	9991308	0.40	9989703	0.54	0.050	9989679
Acid Extractable Vanadium (V)	ug/g	<5.0	9989703	<5.0	9991308	16	9989703	<5.0	5.0	9989679
Acid Extractable Zinc (Zn)	ug/g	<5.0	9989703	22	9991308	36	9989703	14	5.0	9989679
Acid Extractable Mercury (Hg)	ug/g	0.16	9989703	0.25	9991308	0.16	9989703	0.11	0.050	9989679

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		AUDS50	AUDS51	AUDS52	AUDS53		AUDS85		
Sampling Date		2025/07/27	2025/07/30	2025/07/30	2025/07/30		2025/08/03		
COC Number		1030632	1030632	1030632	1030632		1030632		
	UNITS	T1_10000_SOIL	T1_2000_SOIL	T1_250_SOIL	T1_50_SOIL	QC Batch	T2_10000_SOIL	RDL	QC Batch
Metals									
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	<0.20	0.27	9996034	<0.20	0.20	9996588
Acid Extractable Arsenic (As)	ug/g	<1.0	13	2.6	16	9996034	2.3	1.0	9996588
Acid Extractable Barium (Ba)	ug/g	80	120	23	190	9996034	37	0.50	9996588
Acid Extractable Beryllium (Be)	ug/g	<0.20	<0.20	<0.20	<0.20	9996034	<0.20	0.20	9996588
Acid Extractable Boron (B)	ug/g	<5.0	7.8	<5.0	11	9996034	<5.0	5.0	9996588
Acid Extractable Cadmium (Cd)	ug/g	0.30	0.36	0.43	0.66	9996034	<0.10	0.10	9996588
Acid Extractable Chromium (Cr)	ug/g	32	11	1.2	2.3	9996034	27	1.0	9996588
Acid Extractable Cobalt (Co)	ug/g	3.1	11	1.8	8.7	9996034	4.9	0.10	9996588
Acid Extractable Copper (Cu)	ug/g	5.5	69	5.2	76	9996034	13	0.50	9996588
Acid Extractable Lead (Pb)	ug/g	1.9	3.1	2.4	3.3	9996034	2.4	1.0	9996588
Acid Extractable Molybdenum (Mo)	ug/g	0.53	1.6	<0.50	1.2	9996034	1.1	0.50	9996588
Acid Extractable Nickel (Ni)	ug/g	9.9	32	3.3	42	9996034	14	0.50	9996588
Acid Extractable Selenium (Se)	ug/g	<0.50	0.52	<0.50	0.66	9996034	<0.50	0.50	9996588
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	<0.20	<0.20	9996034	<0.20	0.20	9996588
Acid Extractable Thallium (Tl)	ug/g	<0.050	0.071	<0.050	0.18	9996034	0.14	0.050	9996588
Acid Extractable Uranium (U)	ug/g	0.69	0.53	0.052	0.78	9996034	1.2	0.050	9996588
Acid Extractable Vanadium (V)	ug/g	18	8.7	<5.0	<5.0	9996034	25	5.0	9996588
Acid Extractable Zinc (Zn)	ug/g	18	34	24	54	9996034	31	5.0	9996588
Acid Extractable Mercury (Hg)	ug/g	0.15	0.20	0.40	0.18	9996034	<0.050	0.050	9996588

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		AUDS97	AUDS98		AUDS99		AUDT00		
Sampling Date		2025/07/31	2025/07/31		2025/07/25		2025/08/02		
COC Number		1030632	1030632		1030632		1030632		
	UNITS	T2_50_SOIL	T2_500_SOIL	QC Batch	T2_5000_SOIL	QC Batch	T3_100_SOIL	RDL	QC Batch
Metals									
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	9996034	<0.20	9994608	<0.20	0.20	9996034
Acid Extractable Arsenic (As)	ug/g	11	9.3	9996034	2.7	9994608	2.9	1.0	9996034
Acid Extractable Barium (Ba)	ug/g	65	85	9996034	92	9994608	30	0.50	9996034
Acid Extractable Beryllium (Be)	ug/g	<0.20	<0.20	9996034	<0.20	9994608	<0.20	0.20	9996034
Acid Extractable Boron (B)	ug/g	7.4	9.5	9996034	<5.0	9994608	<5.0	5.0	9996034
Acid Extractable Cadmium (Cd)	ug/g	0.34	0.23	9996034	0.43	9994608	0.81	0.10	9996034
Acid Extractable Chromium (Cr)	ug/g	6.6	6.9	9996034	14	9994608	1.9	1.0	9996034
Acid Extractable Cobalt (Co)	ug/g	2.6	3.3	9996034	4.1	9994608	2.4	0.10	9996034
Acid Extractable Copper (Cu)	ug/g	38	26	9996034	8.8	9994608	7.4	0.50	9996034
Acid Extractable Lead (Pb)	ug/g	1.6	3.0	9996034	1.4	9994608	<1.0	1.0	9996034
Acid Extractable Molybdenum (Mo)	ug/g	0.54	0.60	9996034	0.69	9994608	0.61	0.50	9996034
Acid Extractable Nickel (Ni)	ug/g	12	12	9996034	9.2	9994608	5.9	0.50	9996034
Acid Extractable Selenium (Se)	ug/g	0.68	<0.50	9996034	<0.50	9994608	<0.50	0.50	9996034
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	9996034	<0.20	9994608	<0.20	0.20	9996034
Acid Extractable Thallium (Tl)	ug/g	0.056	0.076	9996034	<0.050	9994608	<0.050	0.050	9996034
Acid Extractable Uranium (U)	ug/g	0.24	0.49	9996034	0.28	9994608	0.14	0.050	9996034
Acid Extractable Vanadium (V)	ug/g	<5.0	6.5	9996034	14	9994608	<5.0	5.0	9996034
Acid Extractable Zinc (Zn)	ug/g	44	31	9996034	29	9994608	15	5.0	9996034
Acid Extractable Mercury (Hg)	ug/g	0.15	0.13	9996034	0.15	9994608	0.16	0.050	9996034

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		AUDT01		AUDT02		AUDT03		AUDT04		
Sampling Date		2025/08/01		2025/08/02		2025/08/02		2025/08/02		
COC Number		1030632		1030632		1030632		1030632		
	UNITS	T3_2000_SOIL	QC Batch	T3_250_SOIL	QC Batch	T3_50_SOIL	QC Batch	T3_500_SOIL	RDL	QC Batch
Metals										
Acid Extractable Antimony (Sb)	ug/g	<0.20	9995247	<0.20	9997810	<0.20	9994608	<0.20	0.20	9996034
Acid Extractable Arsenic (As)	ug/g	25	9995247	12	9997810	8.9	9994608	1.5	1.0	9996034
Acid Extractable Barium (Ba)	ug/g	89	9995247	46	9997810	30	9994608	32	0.50	9996034
Acid Extractable Beryllium (Be)	ug/g	<0.20	9995247	<0.20	9997810	<0.20	9994608	<0.20	0.20	9996034
Acid Extractable Boron (B)	ug/g	5.4	9995247	<5.0	9997810	<5.0	9994608	<5.0	5.0	9996034
Acid Extractable Cadmium (Cd)	ug/g	0.22	9995247	0.33	9997810	0.61	9994608	0.31	0.10	9996034
Acid Extractable Chromium (Cr)	ug/g	18	9995247	6.6	9997810	1.9	9994608	1.2	1.0	9996034
Acid Extractable Cobalt (Co)	ug/g	9.9	9995247	2.7	9997810	20	9994608	0.73	0.10	9996034
Acid Extractable Copper (Cu)	ug/g	56	9995247	17	9997810	8.6	9994608	5.6	0.50	9996034
Acid Extractable Lead (Pb)	ug/g	3.9	9995247	3.4	9997810	<1.0	9994608	2.3	1.0	9996034
Acid Extractable Molybdenum (Mo)	ug/g	6.1	9995247	6.8	9997810	0.93	9994608	18	0.50	9996034
Acid Extractable Nickel (Ni)	ug/g	29	9995247	6.3	9997810	5.5	9994608	1.7	0.50	9996034
Acid Extractable Selenium (Se)	ug/g	0.85	9995247	0.72	9997810	<0.50	9994608	<0.50	0.50	9996034
Acid Extractable Silver (Ag)	ug/g	<0.20	9995247	<0.20	9997810	<0.20	9994608	<0.20	0.20	9996034
Acid Extractable Thallium (Tl)	ug/g	0.16	9995247	<0.050	9997810	0.056	9994608	<0.050	0.050	9996034
Acid Extractable Uranium (U)	ug/g	3.9	9995247	2.8	9997810	0.44	9994608	0.21	0.050	9996034
Acid Extractable Vanadium (V)	ug/g	22	9995247	6.1	9997810	<5.0	9994608	<5.0	5.0	9996034
Acid Extractable Zinc (Zn)	ug/g	14	9995247	17	9997810	9.6	9994608	29	5.0	9996034
Acid Extractable Mercury (Hg)	ug/g	0.11	9995247	0.20	9997810	0.10	9994608	0.19	0.050	9996034

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		AUDT05	AUDT06	AUDT07		AUDT08		
Sampling Date		2025/08/01	2025/07/24	2025/07/24		2025/07/27		
COC Number		1030632	1030632	1030632		1030632		
	UNITS	T3_5120_SOIL	T4_100_SOIL	T4_1000_SOIL	QC Batch	T4_10850_SOIL	RDL	QC Batch
Metals								
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	<0.20	9996034	<0.20	0.20	9994608
Acid Extractable Arsenic (As)	ug/g	2.4	24	19	9996034	<1.0	1.0	9994608
Acid Extractable Barium (Ba)	ug/g	39	85	110	9996034	24	0.50	9994608
Acid Extractable Beryllium (Be)	ug/g	<0.20	<0.20	<0.20	9996034	<0.20	0.20	9994608
Acid Extractable Boron (B)	ug/g	<5.0	<5.0	6.6	9996034	<5.0	5.0	9994608
Acid Extractable Cadmium (Cd)	ug/g	0.77	0.58	0.25	9996034	0.51	0.10	9994608
Acid Extractable Chromium (Cr)	ug/g	<1.0	6.7	13	9996034	<1.0	1.0	9994608
Acid Extractable Cobalt (Co)	ug/g	1.4	2.9	8.9	9996034	4.1	0.10	9994608
Acid Extractable Copper (Cu)	ug/g	8.8	44	35	9996034	9.3	0.50	9994608
Acid Extractable Lead (Pb)	ug/g	4.3	3.9	3.3	9996034	1.2	1.0	9994608
Acid Extractable Molybdenum (Mo)	ug/g	0.56	1.5	0.95	9996034	<0.50	0.50	9994608
Acid Extractable Nickel (Ni)	ug/g	4.3	23	19	9996034	7.4	0.50	9994608
Acid Extractable Selenium (Se)	ug/g	<0.50	1.1	0.56	9996034	<0.50	0.50	9994608
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	<0.20	9996034	<0.20	0.20	9994608
Acid Extractable Thallium (Tl)	ug/g	<0.050	0.13	0.072	9996034	<0.050	0.050	9994608
Acid Extractable Uranium (U)	ug/g	0.11	5.6	1.3	9996034	0.13	0.050	9994608
Acid Extractable Vanadium (V)	ug/g	<5.0	14	8.5	9996034	<5.0	5.0	9994608
Acid Extractable Zinc (Zn)	ug/g	20	6.0	48	9996034	22	5.0	9994608
Acid Extractable Mercury (Hg)	ug/g	0.27	0.083	0.13	9996034	0.18	0.050	9994608

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
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Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		AUDT09		AUDT10		AUDT11		AUDT12		
Sampling Date		2025/07/24		2025/07/24		2025/07/24		2025/07/24		
COC Number		1030632		1030632		1030632		1030632		
	UNITS	T4_2000_SOIL	QC Batch	T4_250_SOIL	QC Batch	T4_50_SOIL	QC Batch	T4_500_SOIL	RDL	QC Batch
Metals										
Acid Extractable Antimony (Sb)	ug/g	<0.20	9996034	0.24	9995247	0.24	9996588	0.29	0.20	9996034
Acid Extractable Arsenic (As)	ug/g	10	9996034	21	9995247	29	9996588	16	1.0	9996034
Acid Extractable Barium (Ba)	ug/g	160	9996034	76	9995247	110	9996588	150	0.50	9996034
Acid Extractable Beryllium (Be)	ug/g	<0.20	9996034	<0.20	9995247	<0.20	9996588	<0.20	0.20	9996034
Acid Extractable Boron (B)	ug/g	13	9996034	8.2	9995247	7.8	9996588	11	5.0	9996034
Acid Extractable Cadmium (Cd)	ug/g	0.80	9996034	0.45	9995247	0.36	9996588	0.18	0.10	9996034
Acid Extractable Chromium (Cr)	ug/g	8.8	9996034	2.9	9995247	4.2	9996588	6.0	1.0	9996034
Acid Extractable Cobalt (Co)	ug/g	21	9996034	3.6	9995247	10	9996588	6.8	0.10	9996034
Acid Extractable Copper (Cu)	ug/g	100	9996034	72	9995247	90	9996588	98	0.50	9996034
Acid Extractable Lead (Pb)	ug/g	4.6	9996034	2.3	9995247	4.7	9996588	3.7	1.0	9996034
Acid Extractable Molybdenum (Mo)	ug/g	1.9	9996034	4.4	9995247	1.0	9996588	1.2	0.50	9996034
Acid Extractable Nickel (Ni)	ug/g	36	9996034	42	9995247	31	9996588	48	0.50	9996034
Acid Extractable Selenium (Se)	ug/g	1.6	9996034	1.2	9995247	0.63	9996588	0.66	0.50	9996034
Acid Extractable Silver (Ag)	ug/g	<0.20	9996034	<0.20	9995247	<0.20	9996588	<0.20	0.20	9996034
Acid Extractable Thallium (Tl)	ug/g	0.15	9996034	0.14	9995247	0.097	9996588	0.11	0.050	9996034
Acid Extractable Uranium (U)	ug/g	20	9996034	4.8	9995247	1.1	9996588	1.2	0.050	9996034
Acid Extractable Vanadium (V)	ug/g	12	9996034	6.2	9995247	<5.0	9996588	5.8	5.0	9996034
Acid Extractable Zinc (Zn)	ug/g	22	9996034	41	9995247	26	9996588	17	5.0	9996034
Acid Extractable Mercury (Hg)	ug/g	0.16	9996034	0.085	9995247	0.18	9996588	0.18	0.050	9996034

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
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Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		AUDT13		AUDT14		AUDT15		
Sampling Date		2025/07/24		2025/07/26		2025/07/26		
COC Number		1030632		1030632		1030632		
	UNITS	T4_5000_SOIL	QC Batch	T5_500_SOIL	QC Batch	T5_5000_SOIL	RDL	QC Batch
Metals								
Acid Extractable Antimony (Sb)	ug/g	<0.20	9995247	<0.20	9996034	<0.20	0.20	A002487
Acid Extractable Arsenic (As)	ug/g	1.4	9995247	1.8	9996034	4.6	1.0	A002487
Acid Extractable Barium (Ba)	ug/g	190	9995247	26	9996034	73	0.50	A002487
Acid Extractable Beryllium (Be)	ug/g	<0.20	9995247	<0.20	9996034	0.22	0.20	A002487
Acid Extractable Boron (B)	ug/g	<5.0	9995247	<5.0	9996034	<5.0	5.0	A002487
Acid Extractable Cadmium (Cd)	ug/g	0.22	9995247	0.35	9996034	1.5	0.10	A002487
Acid Extractable Chromium (Cr)	ug/g	6.5	9995247	<1.0	9996034	16	1.0	A002487
Acid Extractable Cobalt (Co)	ug/g	11	9995247	0.70	9996034	8.8	0.10	A002487
Acid Extractable Copper (Cu)	ug/g	36	9995247	3.5	9996034	57	0.50	A002487
Acid Extractable Lead (Pb)	ug/g	2.5	9995247	1.3	9996034	4.6	1.0	A002487
Acid Extractable Molybdenum (Mo)	ug/g	1.0	9995247	<0.50	9996034	2.5	0.50	A002487
Acid Extractable Nickel (Ni)	ug/g	18	9995247	1.3	9996034	25	0.50	A002487
Acid Extractable Selenium (Se)	ug/g	<0.50	9995247	<0.50	9996034	1.0	0.50	A002487
Acid Extractable Silver (Ag)	ug/g	<0.20	9995247	<0.20	9996034	<0.20	0.20	A002487
Acid Extractable Thallium (Tl)	ug/g	0.15	9995247	<0.050	9996034	0.14	0.050	A002487
Acid Extractable Uranium (U)	ug/g	0.67	9995247	0.052	9996034	6.8	0.050	A002487
Acid Extractable Vanadium (V)	ug/g	25	9995247	<5.0	9996034	35	5.0	A002487
Acid Extractable Zinc (Zn)	ug/g	53	9995247	21	9996034	14	5.0	A002487
Acid Extractable Mercury (Hg)	ug/g	0.12	9995247	0.33	9996034	0.11	0.050	A002487

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		AUDT16		AUDT17		AUDT18	AUDT19		
Sampling Date		2025/07/25		2025/07/25		2025/07/27	2025/07/25		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T6_100_SOIL	QC Batch	T6_1000_SOIL	QC Batch	T6_10000_SOIL	T6_2000_SOIL	RDL	QC Batch
Metals									
Acid Extractable Antimony (Sb)	ug/g	<0.20	9994608	<0.20	9997810	<0.20	<0.20	0.20	9994608
Acid Extractable Arsenic (As)	ug/g	1.3	9994608	2.9	9997810	2.0	2.4	1.0	9994608
Acid Extractable Barium (Ba)	ug/g	31	9994608	140	9997810	110	74	0.50	9994608
Acid Extractable Beryllium (Be)	ug/g	<0.20	9994608	<0.20	9997810	<0.20	<0.20	0.20	9994608
Acid Extractable Boron (B)	ug/g	<5.0	9994608	<5.0	9997810	<5.0	5.7	5.0	9994608
Acid Extractable Cadmium (Cd)	ug/g	0.73	9994608	0.18	9997810	1.4	0.57	0.10	9994608
Acid Extractable Chromium (Cr)	ug/g	1.1	9994608	2.2	9997810	3.1	1.9	1.0	9994608
Acid Extractable Cobalt (Co)	ug/g	0.63	9994608	2.2	9997810	2.1	3.8	0.10	9994608
Acid Extractable Copper (Cu)	ug/g	3.1	9994608	21	9997810	24	51	0.50	9994608
Acid Extractable Lead (Pb)	ug/g	<1.0	9994608	1.4	9997810	1.6	1.5	1.0	9994608
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	9994608	0.62	9997810	<0.50	<0.50	0.50	9994608
Acid Extractable Nickel (Ni)	ug/g	1.4	9994608	7.0	9997810	8.5	14	0.50	9994608
Acid Extractable Selenium (Se)	ug/g	0.68	9994608	0.67	9997810	0.58	0.79	0.50	9994608
Acid Extractable Silver (Ag)	ug/g	<0.20	9994608	<0.20	9997810	<0.20	<0.20	0.20	9994608
Acid Extractable Thallium (Tl)	ug/g	<0.050	9994608	<0.050	9997810	0.051	<0.050	0.050	9994608
Acid Extractable Uranium (U)	ug/g	0.18	9994608	0.44	9997810	1.4	0.73	0.050	9994608
Acid Extractable Vanadium (V)	ug/g	<5.0	9994608	<5.0	9997810	<5.0	<5.0	5.0	9994608
Acid Extractable Zinc (Zn)	ug/g	20	9994608	24	9997810	81	23	5.0	9994608
Acid Extractable Mercury (Hg)	ug/g	0.25	9994608	0.16	9997810	0.32	0.26	0.050	9994608

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		AUDT20		AUDT21		AUDT23	AUDT24		
Sampling Date		2025/07/25		2025/07/25		2025/07/25	2025/07/25		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T6_250_SOIL	QC Batch	T6_50_SOIL	QC Batch	T6_500_SOIL	T6_5000_SOIL	RDL	QC Batch
Metals									
Acid Extractable Antimony (Sb)	ug/g	<0.20	9994608	<0.20	9997810	<0.20	<0.20	0.20	9994608
Acid Extractable Arsenic (As)	ug/g	2.8	9994608	2.9	9997810	1.3	1.5	1.0	9994608
Acid Extractable Barium (Ba)	ug/g	48	9994608	52	9997810	61	120	0.50	9994608
Acid Extractable Beryllium (Be)	ug/g	<0.20	9994608	<0.20	9997810	<0.20	<0.20	0.20	9994608
Acid Extractable Boron (B)	ug/g	<5.0	9994608	5.2	9997810	<5.0	7.0	5.0	9994608
Acid Extractable Cadmium (Cd)	ug/g	1.3	9994608	1.5	9997810	0.56	0.26	0.10	9994608
Acid Extractable Chromium (Cr)	ug/g	1.3	9994608	1.7	9997810	<1.0	2.9	1.0	9994608
Acid Extractable Cobalt (Co)	ug/g	2.5	9994608	1.3	9997810	0.69	1.4	0.10	9994608
Acid Extractable Copper (Cu)	ug/g	5.5	9994608	13	9997810	3.8	100	0.50	9994608
Acid Extractable Lead (Pb)	ug/g	<1.0	9994608	1.9	9997810	1.1	1.2	1.0	9994608
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	9994608	0.99	9997810	<0.50	2.1	0.50	9994608
Acid Extractable Nickel (Ni)	ug/g	3.9	9994608	4.3	9997810	1.7	26	0.50	9994608
Acid Extractable Selenium (Se)	ug/g	<0.50	9994608	0.73	9997810	0.64	1.0	0.50	9994608
Acid Extractable Silver (Ag)	ug/g	<0.20	9994608	<0.20	9997810	<0.20	<0.20	0.20	9994608
Acid Extractable Thallium (Tl)	ug/g	<0.050	9994608	<0.050	9997810	<0.050	0.11	0.050	9994608
Acid Extractable Uranium (U)	ug/g	0.11	9994608	0.78	9997810	0.14	7.7	0.050	9994608
Acid Extractable Vanadium (V)	ug/g	<5.0	9994608	<5.0	9997810	<5.0	<5.0	5.0	9994608
Acid Extractable Zinc (Zn)	ug/g	30	9994608	17	9997810	36	<5.0	5.0	9994608
Acid Extractable Mercury (Hg)	ug/g	0.23	9994608	0.20	9997810	0.27	0.16	0.050	9994608

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		AUDT25		AUDT26		AUDT27		
Sampling Date		2025/08/04		2025/08/03		2025/08/04		
COC Number		1030632		1030632		1030632		
	UNITS	T7_100_SOIL	QC Batch	T7_10000_SOIL	QC Batch	T7_50_SOIL	RDL	QC Batch
Metals								
Acid Extractable Antimony (Sb)	ug/g	<0.20	9997810	<0.20	9996588	<0.20	0.20	9997810
Acid Extractable Arsenic (As)	ug/g	6.2	9997810	<1.0	9996588	5.4	1.0	9997810
Acid Extractable Barium (Ba)	ug/g	51	9997810	42	9996588	91	0.50	9997810
Acid Extractable Beryllium (Be)	ug/g	<0.20	9997810	<0.20	9996588	<0.20	0.20	9997810
Acid Extractable Boron (B)	ug/g	7.5	9997810	<5.0	9996588	6.7	5.0	9997810
Acid Extractable Cadmium (Cd)	ug/g	0.35	9997810	0.19	9996588	1.0	0.10	9997810
Acid Extractable Chromium (Cr)	ug/g	<1.0	9997810	4.8	9996588	19	1.0	9997810
Acid Extractable Cobalt (Co)	ug/g	1.7	9997810	2.2	9996588	4.3	0.10	9997810
Acid Extractable Copper (Cu)	ug/g	9.1	9997810	9.4	9996588	18	0.50	9997810
Acid Extractable Lead (Pb)	ug/g	2.9	9997810	1.5	9996588	3.3	1.0	9997810
Acid Extractable Molybdenum (Mo)	ug/g	0.79	9997810	0.60	9996588	0.68	0.50	9997810
Acid Extractable Nickel (Ni)	ug/g	3.3	9997810	4.0	9996588	11	0.50	9997810
Acid Extractable Selenium (Se)	ug/g	<0.50	9997810	<0.50	9996588	0.59	0.50	9997810
Acid Extractable Silver (Ag)	ug/g	<0.20	9997810	<0.20	9996588	<0.20	0.20	9997810
Acid Extractable Thallium (Tl)	ug/g	0.056	9997810	<0.050	9996588	0.084	0.050	9997810
Acid Extractable Uranium (U)	ug/g	0.24	9997810	0.45	9996588	0.44	0.050	9997810
Acid Extractable Vanadium (V)	ug/g	<5.0	9997810	5.2	9996588	17	5.0	9997810
Acid Extractable Zinc (Zn)	ug/g	24	9997810	19	9996588	47	5.0	9997810
Acid Extractable Mercury (Hg)	ug/g	0.47	9997810	0.13	9996588	0.29	0.050	9997810

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

O.REG 153 ICPMS METALS & MERCURY (SOIL)

Bureau Veritas ID		AUDT28		
Sampling Date		2025/08/01		
COC Number		1030632		
	UNITS	T7_5000_SOIL	RDL	QC Batch
Metals				
Acid Extractable Antimony (Sb)	ug/g	<0.20	0.20	9994608
Acid Extractable Arsenic (As)	ug/g	2.2	1.0	9994608
Acid Extractable Barium (Ba)	ug/g	34	0.50	9994608
Acid Extractable Beryllium (Be)	ug/g	<0.20	0.20	9994608
Acid Extractable Boron (B)	ug/g	<5.0	5.0	9994608
Acid Extractable Cadmium (Cd)	ug/g	0.49	0.10	9994608
Acid Extractable Chromium (Cr)	ug/g	8.0	1.0	9994608
Acid Extractable Cobalt (Co)	ug/g	2.1	0.10	9994608
Acid Extractable Copper (Cu)	ug/g	9.8	0.50	9994608
Acid Extractable Lead (Pb)	ug/g	3.4	1.0	9994608
Acid Extractable Molybdenum (Mo)	ug/g	3.0	0.50	9994608
Acid Extractable Nickel (Ni)	ug/g	5.9	0.50	9994608
Acid Extractable Selenium (Se)	ug/g	<0.50	0.50	9994608
Acid Extractable Silver (Ag)	ug/g	<0.20	0.20	9994608
Acid Extractable Thallium (Tl)	ug/g	0.066	0.050	9994608
Acid Extractable Uranium (U)	ug/g	0.81	0.050	9994608
Acid Extractable Vanadium (V)	ug/g	6.9	5.0	9994608
Acid Extractable Zinc (Zn)	ug/g	30	5.0	9994608
Acid Extractable Mercury (Hg)	ug/g	0.27	0.050	9994608

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ATWW00		ATWW01		ATWW02		ATWW03	
Sampling Date		2025/07/30		2025/07/30		2025/07/30		2025/07/30	
COC Number		1030632		1030632		1030632		1030632	
	UNITS	T1_100_soil	QC Batch	T1_1000_soil	QC Batch	T1_5000_soil	QC Batch	T1_700_soil	QC Batch
Inorganics									
Available (CaCl2) pH	pH	5.96	9989570	5.13	9989745	3.76	9989570	3.77	9989745
QC Batch = Quality Control Batch									

Bureau Veritas ID		ATWW04		ATWW05		ATWW06	ATWW07	ATWW08	
Sampling Date		2025/07/31		2025/07/31		2025/07/31	2025/07/31	2025/08/01	
COC Number		1030632		1030632		1030632	1030632	1030632	
	UNITS	T2_100_soil	QC Batch	T2_1000_soil	QC Batch	T2_1960_soil	T2_250_soil	T3_1000_soil	QC Batch
Inorganics									
Available (CaCl2) pH	pH	5.52	9989570	5.72	9989745	5.66	6.63	5.93	9989570
QC Batch = Quality Control Batch									

Bureau Veritas ID		ATWW09		ATWW10		ATWW11	ATWW12	ATWW13	
Sampling Date		2025/08/03		2025/08/04		2025/07/26	2025/07/26	2025/07/26	
COC Number		1030632		1030632		1030632	1030632	1030632	
	UNITS	T3_10000_soil	QC Batch	T5_10000_soil	QC Batch	T5_2000_soil	T5_250_soil	T5_50_soil	QC Batch
Inorganics									
Available (CaCl2) pH	pH	5.03	9989745	3.66	9989570	4.33	3.19	3.52	9989745
QC Batch = Quality Control Batch									

Bureau Veritas ID		ATWW14		ATWW15		ATWW16	ATWW17		ATWW18	
Sampling Date		2025/08/04		2025/08/04		2025/08/04	2025/08/04		2025/07/24	
COC Number		1030632		1030632		1030632	1030632		1030632	
	UNITS	T7_1000_soil	QC Batch	T7_2000_soil	QC Batch	T7_250_soil	T7_500_soil	QC Batch	DUP1_soil	QC Batch
Inorganics										
Available (CaCl2) pH	pH	5.63	9989570	3.90	9989745	3.38	3.51	9989570	5.58	9989745
QC Batch = Quality Control Batch										

Bureau Veritas ID		ATWW19		ATWW20	ATWW21	ATWW22	ATWW64	
Sampling Date		2025/07/24		2025/07/25	2025/07/25	2025/07/30	2025/07/30	
COC Number		1030632		1030632	1030632	1030632	1030632	
	UNITS	DUP2_soil	QC Batch	DUP3_soil	DUP4_soil	DUP5_soil	T5_100_SOIL	QC Batch
Inorganics								
Available (CaCl2) pH	pH	6.78	9989570	5.76	3.67	3.67	4.64	9989745
QC Batch = Quality Control Batch								

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
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Sampler Initials: SS

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		AUDS50		AUDS51		AUDS52	AUDS53	AUDS85	
Sampling Date		2025/07/27		2025/07/30		2025/07/30	2025/07/30	2025/08/03	
COC Number		1030632		1030632		1030632	1030632	1030632	
	UNITS	T1_10000_SOIL	QC Batch	T1_2000_SOIL	QC Batch	T1_250_SOIL	T1_50_SOIL	T2_10000_SOIL	QC Batch
Inorganics									
Available (CaCl2) pH	pH	3.17	9994534	5.66	9994560	3.02	6.26	6.97	9994534
QC Batch = Quality Control Batch									

Bureau Veritas ID		AUDS85		AUDS97		AUDS98		AUDS99	
Sampling Date		2025/08/03		2025/07/31		2025/07/31		2025/07/25	
COC Number		1030632		1030632		1030632		1030632	
	UNITS	T2_10000_SOIL Lab-Dup	QC Batch	T2_50_SOIL	QC Batch	T2_500_SOIL	QC Batch	T2_5000_SOIL	QC Batch
Inorganics									
Available (CaCl2) pH	pH	6.95	9994534	5.97	9994560	6.33	9994534	3.44	9994560
QC Batch = Quality Control Batch									
Lab-Dup = Laboratory Initiated Duplicate									

Bureau Veritas ID		AUDT00		AUDT01	AUDT02		AUDT03		AUDT04	
Sampling Date		2025/08/02		2025/08/01	2025/08/02		2025/08/02		2025/08/02	
COC Number		1030632		1030632	1030632		1030632		1030632	
	UNITS	T3_100_SOIL	QC Batch	T3_2000_SOIL	T3_250_SOIL	QC Batch	T3_50_SOIL	QC Batch	T3_500_SOIL	QC Batch
Inorganics										
Available (CaCl2) pH	pH	3.60	9994560	4.78	4.71	9994534	3.74	9994560	3.91	9994534
QC Batch = Quality Control Batch										

Bureau Veritas ID		AUDT05	AUDT06		AUDT07		AUDT08	AUDT09	
Sampling Date		2025/08/01	2025/07/24		2025/07/24		2025/07/27	2025/07/24	
COC Number		1030632	1030632		1030632		1030632	1030632	
	UNITS	T3_5120_SOIL	T4_100_SOIL	QC Batch	T4_1000_SOIL	QC Batch	T4_10850_SOIL	T4_2000_SOIL	QC Batch
Inorganics									
Available (CaCl2) pH	pH	3.83	5.57	9994560	5.79	9994534	3.47	5.67	9994560
QC Batch = Quality Control Batch									

Bureau Veritas ID		AUDT10	AUDT11	AUDT12	AUDT13	AUDT14	AUDT15	
Sampling Date		2025/07/24	2025/07/24	2025/07/24	2025/07/24	2025/07/26	2025/07/26	
COC Number		1030632	1030632	1030632	1030632	1030632	1030632	
	UNITS	T4_250_SOIL	T4_50_SOIL	T4_500_SOIL	T4_5000_SOIL	T5_500_SOIL	T5_5000_SOIL	QC Batch
Inorganics								
Available (CaCl2) pH	pH	5.12	5.34	5.98	5.29	2.95	5.15	9994534
QC Batch = Quality Control Batch								

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		AUDT16		AUDT17		AUDT18	AUDT19	AUDT20	
Sampling Date		2025/07/25		2025/07/25		2025/07/27	2025/07/25	2025/07/25	
COC Number		1030632		1030632		1030632	1030632	1030632	
	UNITS	T6_100_SOIL	QC Batch	T6_1000_SOIL	QC Batch	T6_10000_SOIL	T6_2000_SOIL	T6_250_SOIL	QC Batch
Inorganics									
Available (CaCl2) pH	pH	3.05	9994560	5.34	9994534	3.48	3.59	3.30	9994560
QC Batch = Quality Control Batch									

Bureau Veritas ID		AUDT21		AUDT23	AUDT24		AUDT25	AUDT26	
Sampling Date		2025/07/25		2025/07/25	2025/07/25		2025/08/04	2025/08/03	
COC Number		1030632		1030632	1030632		1030632	1030632	
	UNITS	T6_50_SOIL	QC Batch	T6_500_SOIL	T6_5000_SOIL	QC Batch	T7_100_SOIL	T7_10000_SOIL	QC Batch
Inorganics									
Available (CaCl2) pH	pH	4.37	9994534	3.34	5.38	9994560	4.55	4.49	9994534
QC Batch = Quality Control Batch									

Bureau Veritas ID		AUDT27		AUDT28	
Sampling Date		2025/08/04		2025/08/01	
COC Number		1030632		1030632	
	UNITS	T7_50_SOIL	QC Batch	T7_5000_SOIL	QC Batch
Inorganics					
Available (CaCl2) pH	pH	4.38	9994534	4.14	9994560
QC Batch = Quality Control Batch					

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW23	ATWW24	ATWW25	ATWW26	ATWW27		
Sampling Date		2025/07/30	2025/07/30	2025/07/30	2025/07/30	2025/07/30		
COC Number		1030632	1030632	1030632	1030632	1030632		
	UNITS	T1_100_leaves	T1_100_lichen	T1_1000_berries	T1_1000_leaves	T1_1000_lichen	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	A001463
Arsenic (As)	ug/g	0.6	13.0	<0.1	0.8	9.6	0.1	A001463
Barium (Ba)	ug/g	21.7	15.4	1.0	20.7	10.9	0.3	A001463
Beryllium (Be)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	A001463
Bismuth (Bi)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	A001463
Boron (B)	ug/g	5.4	0.9	0.9	6.7	<0.5	0.5	A001463
Cadmium (Cd)	ug/g	0.03	0.08	<0.01	0.04	0.07	0.01	A001463
Calcium (Ca)	ug/g	3900	11700	149	3630	4660	50	A001463
Chromium (Cr)	ug/g	<0.3	0.4	<0.3	<0.3	0.3	0.3	A001463
Cobalt (Co)	ug/g	0.008	0.126	<0.005	0.025	0.135	0.005	A001463
Copper (Cu)	ug/g	1.4	1.5	0.8	1.5	1.1	0.5	A001463
Iron (Fe)	ug/g	21	367	<3	27	295	3	A001463
Lead (Pb)	ug/g	0.05	1.41	<0.03	0.08	1.33	0.03	A001463
Magnesium (Mg)	ug/g	612	493	<100	472	492	100	A001463
Manganese (Mn)	ug/g	33.4	22.5	2.6	97.5	47.9	0.3	A001463
Molybdenum (Mo)	ug/g	<0.05	0.07	<0.05	0.05	0.09	0.05	A001463
Nickel (Ni)	ug/g	0.40	1.00	0.06	0.21	0.33	0.05	A001463
Phosphorus (P)	ug/g	348	217	127	393	361	50	A001463
Potassium (K)	ug/g	2330	839	1330	2480	1190	100	A001463
Selenium (Se)	ug/g	<0.04	0.08	<0.04	<0.04	0.11	0.04	A001463
Silver (Ag)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	A001463
Sodium (Na)	ug/g	<50	128	<50	<50	220	50	A001463
Strontium (Sr)	ug/g	11.7	28.9	0.6	14.0	18.6	0.5	A001463
Thallium (Tl)	ug/g	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	A001463
Tin (Sn)	ug/g	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	A001463
Titanium (Ti)	ug/g	<0.5	3.6	<0.5	<0.5	3.4	0.5	A001463
Uranium (U)	ug/g	<0.005	0.010	<0.005	<0.005	0.008	0.005	A001463
Vanadium (V)	ug/g	<0.05	0.24	<0.05	<0.05	0.22	0.05	A001463
Zinc (Zn)	ug/g	28	16	3	29	19	2	A001463

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW28		ATWW29	ATWW30	ATWW31		
Sampling Date		2025/07/30		2025/07/30	2025/07/30	2025/07/30		
COC Number		1030632		1030632	1030632	1030632		
	UNITS	T1_5000_berries	QC Batch	T1_5000_leaves	T1_5000_lichen	T1_700_berries	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	9991741	<0.05	<0.05	<0.05	0.05	A001463
Arsenic (As)	ug/g	<0.1	9991741	0.3	1.4	<0.1	0.1	A001463
Barium (Ba)	ug/g	0.9	9991741	19.6	8.1	0.5	0.3	A001463
Beryllium (Be)	ug/g	<0.05	9991741	<0.05	<0.05	<0.05	0.05	A001463
Bismuth (Bi)	ug/g	<0.05	9991741	<0.05	<0.05	<0.05	0.05	A001463
Boron (B)	ug/g	1.0	9991741	5.9	<0.5	1.4	0.5	A001463
Cadmium (Cd)	ug/g	<0.01	9991741	0.02	0.08	0.02	0.01	A001463
Calcium (Ca)	ug/g	199	9991741	3230	2960	211	50	A001463
Chromium (Cr)	ug/g	<0.3	9991741	<0.3	<0.3	<0.3	0.3	A001463
Cobalt (Co)	ug/g	0.010	9991741	0.071	0.120	0.012	0.005	A001463
Copper (Cu)	ug/g	0.7	9991741	1.8	0.8	<0.5	0.5	A001463
Iron (Fe)	ug/g	<3	9991741	19	79	<3	3	A001463
Lead (Pb)	ug/g	<0.03	9991741	0.03	0.57	<0.03	0.03	A001463
Magnesium (Mg)	ug/g	<100	9991741	445	264	240	100	A001463
Manganese (Mn)	ug/g	4.7	9991741	220	47.1	20.9	0.3	A001463
Molybdenum (Mo)	ug/g	<0.05	9991741	<0.05	<0.05	0.11	0.05	A001463
Nickel (Ni)	ug/g	0.34	9991741	1.07	0.26	0.16	0.05	A001463
Phosphorus (P)	ug/g	174	9991741	394	319	301	50	A001463
Potassium (K)	ug/g	1570	9991741	2360	1090	1840	100	A001463
Selenium (Se)	ug/g	<0.04	9991741	<0.04	0.09	<0.04	0.04	A001463
Silver (Ag)	ug/g	<0.05	9991741	<0.05	<0.05	<0.05	0.05	A001463
Sodium (Na)	ug/g	<50	9991741	<50	117	<50	50	A001463
Strontium (Sr)	ug/g	<0.5	9991741	3.0	4.8	<0.5	0.5	A001463
Thallium (Tl)	ug/g	<0.003	9991741	<0.003	0.004	<0.003	0.003	A001463
Tin (Sn)	ug/g	<0.3	9991741	<0.3	<0.3	<0.3	0.3	A001463
Titanium (Ti)	ug/g	<0.5	9991741	<0.5	1.9	<0.5	0.5	A001463
Uranium (U)	ug/g	<0.005	9991741	<0.005	<0.005	<0.005	0.005	A001463
Vanadium (V)	ug/g	<0.05	9991741	<0.05	0.10	<0.05	0.05	A001463
Zinc (Zn)	ug/g	2	9991741	20	16	3	2	A001463

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW32	ATWW33	ATWW34	ATWW35		ATWW36		
Sampling Date		2025/07/30	2025/07/30	2025/07/31	2025/07/31		2025/07/31		
COC Number		1030632	1030632	1030632	1030632		1030632		
	UNITS	T1_700_leaves	T1_700_lichen	T2_100_berries	T2_100_leaves	RDL	T2_100_lichen	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	0.05	9991741
Arsenic (As)	ug/g	0.3	9.4	0.2	3.3	0.1	86.7	0.5	9991741
Barium (Ba)	ug/g	10.2	8.0	0.7	19.0	0.3	16.8	0.3	9991741
Beryllium (Be)	ug/g	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	0.05	9991741
Bismuth (Bi)	ug/g	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	0.05	9991741
Boron (B)	ug/g	6.0	0.7	0.6	3.4	0.5	0.9	0.5	9991741
Cadmium (Cd)	ug/g	0.06	0.05	<0.01	0.07	0.01	0.16	0.01	9991741
Calcium (Ca)	ug/g	2750	2330	131	2970	50	8340	50	9991741
Chromium (Cr)	ug/g	<0.3	0.6	<0.3	<0.3	0.3	2.5	0.3	9991741
Cobalt (Co)	ug/g	0.033	0.118	<0.005	0.032	0.005	0.616	0.005	9991741
Copper (Cu)	ug/g	1.9	1.3	<0.5	1.8	0.5	5.3	0.5	9991741
Iron (Fe)	ug/g	28	371	5	88	3	2520	3	9991741
Lead (Pb)	ug/g	0.03	1.41	<0.03	0.21	0.03	13.0	0.03	9991741
Magnesium (Mg)	ug/g	945	427	<100	503	100	742	100	9991741
Manganese (Mn)	ug/g	261	179	2.8	66.7	0.3	84.6	0.3	9991741
Molybdenum (Mo)	ug/g	0.80	0.47	<0.05	<0.05	0.05	0.39	0.05	9991741
Nickel (Ni)	ug/g	0.25	0.38	0.25	0.49	0.05	1.90	0.05	9991741
Phosphorus (P)	ug/g	452	424	153	464	50	454	50	9991741
Potassium (K)	ug/g	2450	1360	1260	2650	100	1450	100	9991741
Selenium (Se)	ug/g	<0.04	0.09	<0.04	<0.04	0.04	0.13	0.04	9991741
Silver (Ag)	ug/g	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	0.05	9991741
Sodium (Na)	ug/g	<50	346	<50	<50	50	205	50	9991741
Strontium (Sr)	ug/g	7.2	7.0	<0.5	5.3	0.5	15.9	0.5	9991741
Thallium (Tl)	ug/g	<0.003	0.010	<0.003	<0.003	0.003	0.008	0.003	9991741
Tin (Sn)	ug/g	<0.3	<0.3	<0.3	<0.3	0.3	<0.3	0.3	9991741
Titanium (Ti)	ug/g	<0.5	4.3	<0.5	0.9	0.5	15.8	0.5	9991741
Uranium (U)	ug/g	<0.005	0.010	<0.005	<0.005	0.005	0.037	0.005	9991741
Vanadium (V)	ug/g	<0.05	0.31	<0.05	0.07	0.05	1.43	0.05	9991741
Zinc (Zn)	ug/g	16	16	<2	16	2	29	2	9991741

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW37		ATWW38	ATWW39	ATWW40		
Sampling Date		2025/07/31		2025/07/31	2025/07/31	2025/07/31		
COC Number		1030632		1030632	1030632	1030632		
	UNITS	T2_1000_berries	QC Batch	T2_1000_leaves	T2_1000_lichen	T2_1960_berries	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	9991741	<0.05	<0.05	<0.05	0.05	A001463
Arsenic (As)	ug/g	0.1	9991741	2.4	26.8	<0.1	0.1	A001463
Barium (Ba)	ug/g	0.7	9991741	15.0	9.3	0.5	0.3	A001463
Beryllium (Be)	ug/g	<0.05	9991741	<0.05	<0.05	<0.05	0.05	A001463
Bismuth (Bi)	ug/g	<0.05	9991741	<0.05	<0.05	<0.05	0.05	A001463
Boron (B)	ug/g	0.9	9991741	5.2	0.6	1.1	0.5	A001463
Cadmium (Cd)	ug/g	0.03	9991741	0.16	0.09	<0.01	0.01	A001463
Calcium (Ca)	ug/g	171	9991741	2920	7380	100	50	A001463
Chromium (Cr)	ug/g	<0.3	9991741	<0.3	0.7	<0.3	0.3	A001463
Cobalt (Co)	ug/g	<0.005	9991741	0.041	0.238	<0.005	0.005	A001463
Copper (Cu)	ug/g	0.5	9991741	2.1	2.0	<0.5	0.5	A001463
Iron (Fe)	ug/g	3	9991741	60	710	<3	3	A001463
Lead (Pb)	ug/g	<0.03	9991741	0.14	4.45	<0.03	0.03	A001463
Magnesium (Mg)	ug/g	<100	9991741	642	349	<100	100	A001463
Manganese (Mn)	ug/g	17.3	9991741	309	43.2	3.2	0.3	A001463
Molybdenum (Mo)	ug/g	<0.05	9991741	<0.05	0.11	<0.05	0.05	A001463
Nickel (Ni)	ug/g	0.21	9991741	0.76	0.86	0.09	0.05	A001463
Phosphorus (P)	ug/g	151	9991741	379	286	86	50	A001463
Potassium (K)	ug/g	1240	9991741	2220	1010	1200	100	A001463
Selenium (Se)	ug/g	<0.04	9991741	<0.04	0.08	<0.04	0.04	A001463
Silver (Ag)	ug/g	<0.05	9991741	<0.05	<0.05	<0.05	0.05	A001463
Sodium (Na)	ug/g	<50	9991741	<50	129	<50	50	A001463
Strontium (Sr)	ug/g	<0.5	9991741	5.1	12.4	<0.5	0.5	A001463
Thallium (Tl)	ug/g	<0.003	9991741	<0.003	0.003	<0.003	0.003	A001463
Tin (Sn)	ug/g	<0.3	9991741	<0.3	<0.3	<0.3	0.3	A001463
Titanium (Ti)	ug/g	<0.5	9991741	0.5	5.4	<0.5	0.5	A001463
Uranium (U)	ug/g	<0.005	9991741	<0.005	0.012	<0.005	0.005	A001463
Vanadium (V)	ug/g	<0.05	9991741	<0.05	0.45	<0.05	0.05	A001463
Zinc (Zn)	ug/g	3	9991741	21	17	<2	2	A001463

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW40		ATWW41	ATWW42		ATWW43		
Sampling Date		2025/07/31		2025/07/31	2025/07/31		2025/07/31		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T2_1960_berries Lab-Dup	QC Batch	T2_1960_leaves	T2_1960_lichen	QC Batch	T2_250_leaves	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	A001463	<0.05	<0.05	9991741	<0.05	0.05	A001463
Arsenic (As)	ug/g	<0.1	A001463	1.0	16.0	9991741	4.7	0.1	A001463
Barium (Ba)	ug/g	0.6	A001463	20.5	9.4	9991741	17.2	0.3	A001463
Beryllium (Be)	ug/g	<0.05	A001463	<0.05	<0.05	9991741	<0.05	0.05	A001463
Bismuth (Bi)	ug/g	<0.05	A001463	<0.05	<0.05	9991741	<0.05	0.05	A001463
Boron (B)	ug/g	1.2	A001463	7.8	0.7	9991741	10.9	0.5	A001463
Cadmium (Cd)	ug/g	<0.01	A001463	0.05	0.06	9991741	0.10	0.01	A001463
Calcium (Ca)	ug/g	105	A001463	3130	3180	9991741	3050	50	A001463
Chromium (Cr)	ug/g	<0.3	A001463	<0.3	1.2	9991741	<0.3	0.3	A001463
Cobalt (Co)	ug/g	<0.005	A001463	0.019	0.205	9991741	0.062	0.005	A001463
Copper (Cu)	ug/g	<0.5	A001463	1.8	2.2	9991741	3.2	0.5	A001463
Iron (Fe)	ug/g	<3	A001463	33	620	9991741	150	3	A001463
Lead (Pb)	ug/g	<0.03	A001463	0.06	3.45	9991741	0.44	0.03	A001463
Magnesium (Mg)	ug/g	<100	A001463	434	383	9991741	734	100	A001463
Manganese (Mn)	ug/g	3.3	A001463	284	90.2	9991741	113	0.3	A001463
Molybdenum (Mo)	ug/g	<0.05	A001463	<0.05	0.11	9991741	<0.05	0.05	A001463
Nickel (Ni)	ug/g	0.10	A001463	0.21	0.70	9991741	0.41	0.05	A001463
Phosphorus (P)	ug/g	93	A001463	354	328	9991741	344	50	A001463
Potassium (K)	ug/g	1220	A001463	2410	1160	9991741	1850	100	A001463
Selenium (Se)	ug/g	<0.04	A001463	<0.04	0.10	9991741	<0.04	0.04	A001463
Silver (Ag)	ug/g	<0.05	A001463	<0.05	<0.05	9991741	<0.05	0.05	A001463
Sodium (Na)	ug/g	<50	A001463	<50	149	9991741	<50	50	A001463
Strontium (Sr)	ug/g	<0.5	A001463	6.5	10.8	9991741	11.8	0.5	A001463
Thallium (Tl)	ug/g	<0.003	A001463	<0.003	0.005	9991741	<0.003	0.003	A001463
Tin (Sn)	ug/g	<0.3	A001463	<0.3	<0.3	9991741	<0.3	0.3	A001463
Titanium (Ti)	ug/g	<0.5	A001463	<0.5	6.3	9991741	1.1	0.5	A001463
Uranium (U)	ug/g	<0.005	A001463	<0.005	0.024	9991741	0.009	0.005	A001463
Vanadium (V)	ug/g	<0.05	A001463	<0.05	0.42	9991741	0.10	0.05	A001463
Zinc (Zn)	ug/g	<2	A001463	20	15	9991741	31	2	A001463

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW44		ATWW45	ATWW46		ATWW47		
Sampling Date		2025/08/01		2025/08/01	2025/08/01		2025/08/03		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T3_1000_berries	QC Batch	T3_1000_leaves	T3_1000_lichen	QC Batch	T3_10000_berries	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	A001463	<0.05	<0.05	9991741	<0.05	0.05	A001463
Arsenic (As)	ug/g	<0.1	A001463	1.5	12.2	9991741	<0.1	0.1	A001463
Barium (Ba)	ug/g	0.9	A001463	10.6	14.2	9991741	0.4	0.3	A001463
Beryllium (Be)	ug/g	<0.05	A001463	<0.05	<0.05	9991741	<0.05	0.05	A001463
Bismuth (Bi)	ug/g	<0.05	A001463	<0.05	<0.05	9991741	<0.05	0.05	A001463
Boron (B)	ug/g	1.9	A001463	7.1	1.0	9991741	1.2	0.5	A001463
Cadmium (Cd)	ug/g	0.06	A001463	0.24	0.13	9991741	<0.01	0.01	A001463
Calcium (Ca)	ug/g	311	A001463	2820	8030	9991741	124	50	A001463
Chromium (Cr)	ug/g	<0.3	A001463	<0.3	0.7	9991741	<0.3	0.3	A001463
Cobalt (Co)	ug/g	<0.005	A001463	0.035	0.159	9991741	<0.005	0.005	A001463
Copper (Cu)	ug/g	0.9	A001463	3.1	1.9	9991741	<0.5	0.5	A001463
Iron (Fe)	ug/g	3	A001463	59	509	9991741	<3	3	A001463
Lead (Pb)	ug/g	<0.03	A001463	0.10	1.64	9991741	<0.03	0.03	A001463
Magnesium (Mg)	ug/g	126	A001463	810	531	9991741	<100	100	A001463
Manganese (Mn)	ug/g	23.7	A001463	226	68.9	9991741	3.9	0.3	A001463
Molybdenum (Mo)	ug/g	<0.05	A001463	<0.05	0.17	9991741	<0.05	0.05	A001463
Nickel (Ni)	ug/g	0.19	A001463	0.30	0.61	9991741	0.09	0.05	A001463
Phosphorus (P)	ug/g	206	A001463	370	289	9991741	123	50	A001463
Potassium (K)	ug/g	1230	A001463	2260	1060	9991741	1620	100	A001463
Selenium (Se)	ug/g	<0.04	A001463	<0.04	0.09	9991741	<0.04	0.04	A001463
Silver (Ag)	ug/g	<0.05	A001463	<0.05	<0.05	9991741	<0.05	0.05	A001463
Sodium (Na)	ug/g	<50	A001463	<50	148	9991741	<50	50	A001463
Strontium (Sr)	ug/g	0.8	A001463	6.5	20.1	9991741	<0.5	0.5	A001463
Thallium (Tl)	ug/g	<0.003	A001463	<0.003	<0.003	9991741	<0.003	0.003	A001463
Tin (Sn)	ug/g	<0.3	A001463	<0.3	<0.3	9991741	<0.3	0.3	A001463
Titanium (Ti)	ug/g	<0.5	A001463	0.6	6.0	9991741	<0.5	0.5	A001463
Uranium (U)	ug/g	<0.005	A001463	<0.005	0.013	9991741	<0.005	0.005	A001463
Vanadium (V)	ug/g	<0.05	A001463	<0.05	0.43	9991741	<0.05	0.05	A001463
Zinc (Zn)	ug/g	5	A001463	24	23	9991741	2	2	A001463

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW48		ATWW49		ATWW50	ATWW50		
Sampling Date		2025/08/03		2025/08/03		2025/07/26	2025/07/26		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T3_10000_leaves	QC Batch	T3_10000_lichen	QC Batch	T5_100_leaves	T5_100_leaves Lab-Dup	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	A001463	<0.05	9991741	<0.05	<0.05	0.05	9996474
Arsenic (As)	ug/g	0.2	A001463	2.3	9991741	1.2	1.5	0.1	9996474
Barium (Ba)	ug/g	12.8	A001463	14.3	9991741	1.2	1.2	0.3	9996474
Beryllium (Be)	ug/g	<0.05	A001463	<0.05	9991741	<0.05	<0.05	0.05	9996474
Bismuth (Bi)	ug/g	<0.05	A001463	<0.05	9991741	<0.05	<0.05	0.05	9996474
Boron (B)	ug/g	6.7	A001463	0.6	9991741	2.1	2.1	0.5	9996474
Cadmium (Cd)	ug/g	0.03	A001463	0.08	9991741	0.05	0.05	0.01	9996474
Calcium (Ca)	ug/g	2730	A001463	6210	9991741	1690	1710	50	9996474
Chromium (Cr)	ug/g	<0.3	A001463	0.4	9991741	<0.3	<0.3	0.3	9996474
Cobalt (Co)	ug/g	0.012	A001463	0.114	9991741	0.032	0.034	0.005	9996474
Copper (Cu)	ug/g	1.7	A001463	1.4	9991741	1.0	1.0	0.5	9996474
Iron (Fe)	ug/g	25	A001463	316	9991741	70	71	3	9996474
Lead (Pb)	ug/g	<0.03	A001463	0.84	9991741	0.08	0.09	0.03	9996474
Magnesium (Mg)	ug/g	419	A001463	405	9991741	1330	1360	100	9996474
Manganese (Mn)	ug/g	181	A001463	95.9	9991741	58.6	59.3	0.3	9996474
Molybdenum (Mo)	ug/g	<0.05	A001463	0.06	9991741	0.20	0.19	0.05	9996474
Nickel (Ni)	ug/g	0.18	A001463	0.36	9991741	0.21	0.23	0.05	9996474
Phosphorus (P)	ug/g	320	A001463	266	9991741	378	388	50	9996474
Potassium (K)	ug/g	3010	A001463	1140	9991741	2790	2840	100	9996474
Selenium (Se)	ug/g	<0.04	A001463	0.09	9991741	<0.04	<0.04	0.04	9996474
Silver (Ag)	ug/g	<0.05	A001463	<0.05	9991741	<0.05	<0.05	0.05	9996474
Sodium (Na)	ug/g	<50	A001463	126	9991741	70	71	50	9996474
Strontium (Sr)	ug/g	6.9	A001463	20.3	9991741	4.3	4.2	0.5	9996474
Thallium (Tl)	ug/g	<0.003	A001463	<0.003	9991741	<0.003	<0.003	0.003	9996474
Tin (Sn)	ug/g	<0.3	A001463	<0.3	9991741	<0.3	<0.3	0.3	9996474
Titanium (Ti)	ug/g	<0.5	A001463	4.1	9991741	0.6	0.6	0.5	9996474
Uranium (U)	ug/g	<0.005	A001463	0.010	9991741	<0.005	<0.005	0.005	9996474
Vanadium (V)	ug/g	<0.05	A001463	0.22	9991741	<0.05	<0.05	0.05	9996474
Zinc (Zn)	ug/g	30	A001463	21	9991741	9	9	2	9996474

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW51		ATWW52		ATWW53		
Sampling Date		2025/07/26		2025/08/04		2025/08/04		
COC Number		1030632		1030632		1030632		
	UNITS	T5_100_lichen	QC Batch	T5_10000_berries	QC Batch	T5_10000_leaves	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	9991741	<0.05	A001463	<0.05	0.05	9996474
Arsenic (As)	ug/g	26.9	9991741	<0.1	A001463	<0.1	0.1	9996474
Barium (Ba)	ug/g	4.3	9991741	0.6	A001463	18.7	0.3	9996474
Beryllium (Be)	ug/g	<0.05	9991741	<0.05	A001463	<0.05	0.05	9996474
Bismuth (Bi)	ug/g	<0.05	9991741	<0.05	A001463	<0.05	0.05	9996474
Boron (B)	ug/g	0.8	9991741	1.1	A001463	7.4	0.5	9996474
Cadmium (Cd)	ug/g	0.03	9991741	<0.01	A001463	0.06	0.01	9996474
Calcium (Ca)	ug/g	1530	9991741	102	A001463	2200	50	9996474
Chromium (Cr)	ug/g	0.9	9991741	<0.3	A001463	<0.3	0.3	9996474
Cobalt (Co)	ug/g	0.229	9991741	0.008	A001463	0.056	0.005	9996474
Copper (Cu)	ug/g	1.7	9991741	<0.5	A001463	1.4	0.5	9996474
Iron (Fe)	ug/g	773	9991741	4	A001463	15	3	9996474
Lead (Pb)	ug/g	2.05	9991741	<0.03	A001463	<0.03	0.03	9996474
Magnesium (Mg)	ug/g	294	9991741	112	A001463	830	100	9996474
Manganese (Mn)	ug/g	26.1	9991741	8.6	A001463	314	0.3	9996474
Molybdenum (Mo)	ug/g	0.13	9991741	<0.05	A001463	0.09	0.05	9996474
Nickel (Ni)	ug/g	0.72	9991741	0.17	A001463	0.44	0.05	9996474
Phosphorus (P)	ug/g	206	9991741	163	A001463	396	50	9996474
Potassium (K)	ug/g	669	9991741	1380	A001463	2330	100	9996474
Selenium (Se)	ug/g	<0.04	9991741	<0.04	A001463	<0.04	0.04	9996474
Silver (Ag)	ug/g	<0.05	9991741	<0.05	A001463	<0.05	0.05	9996474
Sodium (Na)	ug/g	98	9991741	<50	A001463	<50	50	9996474
Strontium (Sr)	ug/g	5.2	9991741	<0.5	A001463	3.6	0.5	9996474
Thallium (Tl)	ug/g	<0.003	9991741	<0.003	A001463	0.004	0.003	9996474
Tin (Sn)	ug/g	<0.3	9991741	<0.3	A001463	<0.3	0.3	9996474
Titanium (Ti)	ug/g	4.5	9991741	<0.5	A001463	<0.5	0.5	9996474
Uranium (U)	ug/g	0.012	9991741	<0.005	A001463	<0.005	0.005	9996474
Vanadium (V)	ug/g	0.45	9991741	<0.05	A001463	<0.05	0.05	9996474
Zinc (Zn)	ug/g	11	9991741	<2	A001463	13	2	9996474

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW54		ATWW55	ATWW56	ATWW57		
Sampling Date		2025/08/04		2025/07/26	2025/07/26	2025/07/26		
COC Number		1030632		1030632	1030632	1030632		
	UNITS	T5_10000_lichen	QC Batch	T5_2000_berries	T5_2000_leaves	T5_2000_lichen	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001463	<0.05	<0.05	<0.05	0.05	9991741
Arsenic (As)	ug/g	0.8	A001463	0.2	0.9	4.3	0.1	9991741
Barium (Ba)	ug/g	11.0	A001463	0.7	13.8	2.1	0.3	9991741
Beryllium (Be)	ug/g	<0.05	A001463	<0.05	<0.05	<0.05	0.05	9991741
Bismuth (Bi)	ug/g	<0.05	A001463	<0.05	<0.05	<0.05	0.05	9991741
Boron (B)	ug/g	<0.5	A001463	0.8	5.1	0.5	0.5	9991741
Cadmium (Cd)	ug/g	0.06	A001463	<0.01	0.02	0.03	0.01	9991741
Calcium (Ca)	ug/g	1310	A001463	110	2120	708	50	9991741
Chromium (Cr)	ug/g	0.3	A001463	<0.3	<0.3	<0.3	0.3	9991741
Cobalt (Co)	ug/g	0.093	A001463	<0.005	0.037	0.042	0.005	9991741
Copper (Cu)	ug/g	0.9	A001463	<0.5	1.1	0.6	0.5	9991741
Iron (Fe)	ug/g	120	A001463	<3	29	94	3	9991741
Lead (Pb)	ug/g	0.53	A001463	<0.03	0.06	0.41	0.03	9991741
Magnesium (Mg)	ug/g	364	A001463	<100	400	131	100	9991741
Manganese (Mn)	ug/g	93.2	A001463	1.3	84.9	21.7	0.3	9991741
Molybdenum (Mo)	ug/g	<0.05	A001463	<0.05	<0.05	<0.05	0.05	9991741
Nickel (Ni)	ug/g	0.25	A001463	0.09	0.77	0.11	0.05	9991741
Phosphorus (P)	ug/g	240	A001463	149	385	185	50	9991741
Potassium (K)	ug/g	960	A001463	1350	1980	589	100	9991741
Selenium (Se)	ug/g	0.13	A001463	<0.04	<0.04	0.05	0.04	9991741
Silver (Ag)	ug/g	<0.05	A001463	<0.05	<0.05	<0.05	0.05	9991741
Sodium (Na)	ug/g	85	A001463	<50	<50	55	50	9991741
Strontium (Sr)	ug/g	4.8	A001463	<0.5	3.7	1.8	0.5	9991741
Thallium (Tl)	ug/g	0.009	A001463	<0.003	<0.003	<0.003	0.003	9991741
Tin (Sn)	ug/g	<0.3	A001463	<0.3	<0.3	<0.3	0.3	9991741
Titanium (Ti)	ug/g	3.1	A001463	<0.5	0.5	1.1	0.5	9991741
Uranium (U)	ug/g	0.015	A001463	<0.005	<0.005	<0.005	0.005	9991741
Vanadium (V)	ug/g	0.16	A001463	<0.05	<0.05	0.07	0.05	9991741
Zinc (Zn)	ug/g	15	A001463	2	20	7	2	9991741

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW58			ATWW59			ATWW60		
Sampling Date		2025/07/26			2025/07/26			2025/07/26		
COC Number		1030632			1030632			1030632		
	UNITS	T5_250_berries	RDL	QC Batch	T5_250_leaves	RDL	QC Batch	T5_250_lichen	RDL	QC Batch
Metals										
Antimony (Sb)	ug/g	<0.05	0.05	A001463	<0.05	0.05	9991741	<0.05	0.05	A001463
Arsenic (As)	ug/g	0.8	0.1	A001463	4.4	0.1	9991741	10.3	0.1	A001463
Barium (Ba)	ug/g	2.0	0.3	A001463	16.6	0.3	9991741	2.0	0.3	A001463
Beryllium (Be)	ug/g	<0.05	0.05	A001463	<0.05	0.05	9991741	<0.05	0.05	A001463
Bismuth (Bi)	ug/g	<0.05	0.05	A001463	<0.05	0.05	9991741	<0.05	0.05	A001463
Boron (B)	ug/g	2.6	0.5	A001463	10.5	0.5	9991741	<0.5	0.5	A001463
Cadmium (Cd)	ug/g	<0.01	0.01	A001463	<0.01	0.01	9991741	0.03	0.01	A001463
Calcium (Ca)	ug/g	222	50	A001463	2040	50	9991741	698	50	A001463
Chromium (Cr)	ug/g	<0.3	0.3	A001463	<0.3	0.3	9991741	0.4	0.3	A001463
Cobalt (Co)	ug/g	0.005	0.005	A001463	0.054	0.005	9991741	0.082	0.005	A001463
Copper (Cu)	ug/g	0.9	0.5	A001463	1.5	0.5	9991741	0.6	0.5	A001463
Iron (Fe)	ug/g	16	3	A001463	96	3	9991741	195	3	A001463
Lead (Pb)	ug/g	0.06	0.03	A001463	0.18	0.03	9991741	0.89	0.03	A001463
Magnesium (Mg)	ug/g	128	100	A001463	648	100	9991741	136	100	A001463
Manganese (Mn)	ug/g	37.9	0.3	A001463	569	2	9991741	30.5	0.3	A001463
Molybdenum (Mo)	ug/g	<0.05	0.05	A001463	<0.05	0.05	9991741	<0.05	0.05	A001463
Nickel (Ni)	ug/g	0.09	0.05	A001463	0.43	0.05	9991741	0.20	0.05	A001463
Phosphorus (P)	ug/g	267	50	A001463	417	50	9991741	171	50	A001463
Potassium (K)	ug/g	1600	100	A001463	1290	100	9991741	479	100	A001463
Selenium (Se)	ug/g	<0.04	0.04	A001463	<0.04	0.04	9991741	0.04	0.04	A001463
Silver (Ag)	ug/g	<0.05	0.05	A001463	<0.05	0.05	9991741	<0.05	0.05	A001463
Sodium (Na)	ug/g	<50	50	A001463	<50	50	9991741	<50	50	A001463
Strontium (Sr)	ug/g	<0.5	0.5	A001463	1.9	0.5	9991741	2.0	0.5	A001463
Thallium (Tl)	ug/g	<0.003	0.003	A001463	<0.003	0.003	9991741	<0.003	0.003	A001463
Tin (Sn)	ug/g	<0.3	0.3	A001463	<0.3	0.3	9991741	<0.3	0.3	A001463
Titanium (Ti)	ug/g	<0.5	0.5	A001463	0.6	0.5	9991741	1.4	0.5	A001463
Uranium (U)	ug/g	<0.005	0.005	A001463	<0.005	0.005	9991741	<0.005	0.005	A001463
Vanadium (V)	ug/g	<0.05	0.05	A001463	0.06	0.05	9991741	0.12	0.05	A001463
Zinc (Zn)	ug/g	2	2	A001463	7	2	9991741	5	2	A001463

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW62			ATWW63			AUDT30		
Sampling Date		2025/07/26			2025/07/26			2025/07/27		
COC Number		1030632			1030632			1030632		
	UNITS	T5_50_leaves	RDL	QC Batch	T5_50_lichen	RDL	QC Batch	T1_10000_BERRIES	RDL	QC Batch
Metals										
Antimony (Sb)	ug/g	<0.05	0.05	9991741	<0.05	0.05	A001462	<0.05	0.05	A001863
Arsenic (As)	ug/g	2.6	0.1	9991741	49.9	0.5	A001462	<0.1	0.1	A001863
Barium (Ba)	ug/g	23.0	0.3	9991741	7.7	0.3	A001462	0.9	0.3	A001863
Beryllium (Be)	ug/g	<0.05	0.05	9991741	<0.05	0.05	A001462	<0.05	0.05	A001863
Bismuth (Bi)	ug/g	0.06	0.05	9991741	<0.05	0.05	A001462	<0.05	0.05	A001863
Boron (B)	ug/g	2.7	0.5	9991741	0.5	0.5	A001462	0.9	0.5	A001863
Cadmium (Cd)	ug/g	0.01	0.01	9991741	0.05	0.01	A001462	<0.01	0.01	A001863
Calcium (Ca)	ug/g	2030	50	9991741	2370	50	A001462	158	50	A001863
Chromium (Cr)	ug/g	<0.3	0.3	9991741	1.6	0.3	A001462	<0.3	0.3	A001863
Cobalt (Co)	ug/g	0.041	0.005	9991741	0.423	0.005	A001462	0.022	0.005	A001863
Copper (Cu)	ug/g	1.5	0.5	9991741	2.3	0.5	A001462	0.7	0.5	A001863
Iron (Fe)	ug/g	82	3	9991741	1400	3	A001462	3	3	A001863
Lead (Pb)	ug/g	0.16	0.03	9991741	3.37	0.03	A001462	<0.03	0.03	A001863
Magnesium (Mg)	ug/g	455	100	9991741	412	100	A001462	<100	100	A001863
Manganese (Mn)	ug/g	63.8	0.3	9991741	32.1	0.3	A001462	4.3	0.3	A001863
Molybdenum (Mo)	ug/g	<0.05	0.05	9991741	0.22	0.05	A001462	<0.05	0.05	A001863
Nickel (Ni)	ug/g	0.39	0.05	9991741	1.34	0.05	A001462	0.32	0.05	A001863
Phosphorus (P)	ug/g	590	50	9991741	298	50	A001462	205	50	A001863
Potassium (K)	ug/g	1900	100	9991741	919	100	A001462	1530	100	A001863
Selenium (Se)	ug/g	<0.04	0.04	9991741	0.06	0.04	A001462	<0.04	0.04	A001863
Silver (Ag)	ug/g	<0.05	0.05	9991741	<0.05	0.05	A001462	<0.05	0.05	A001863
Sodium (Na)	ug/g	<50	50	9991741	114	50	A001462	<50	50	A001863
Strontium (Sr)	ug/g	4.9	0.5	9991741	7.4	0.5	A001462	<0.5	0.5	A001863
Thallium (Tl)	ug/g	<0.003	0.003	9991741	0.006	0.003	A001462	<0.003	0.003	A001863
Tin (Sn)	ug/g	<0.3	0.3	9991741	<0.3	0.3	A001462	<0.3	0.3	A001863
Titanium (Ti)	ug/g	0.8	0.5	9991741	7.1	0.5	A001462	<0.5	0.5	A001863
Uranium (U)	ug/g	<0.005	0.005	9991741	0.020	0.005	A001462	<0.005	0.005	A001863
Vanadium (V)	ug/g	<0.05	0.05	9991741	0.82	0.05	A001462	<0.05	0.05	A001863
Zinc (Zn)	ug/g	17	2	9991741	12	2	A001462	2	2	A001863

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT31	AUDT32		AUDT33	AUDT34		
Sampling Date		2025/07/27	2025/07/27		2025/07/30	2025/07/30		
COC Number		1030632	1030632		1030632	1030632		
	UNITS	T1_10000_LEAVES	T1_10000_LICHEN	QC Batch	T1_2000_BERRIES	T1_2000_LEAVES	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	A001462	<0.05	<0.05	0.05	A001436
Arsenic (As)	ug/g	<0.1	0.4	A001462	<0.1	0.2	0.1	A001436
Barium (Ba)	ug/g	7.1	2.4	A001462	0.5	15.5	0.3	A001436
Beryllium (Be)	ug/g	<0.05	<0.05	A001462	<0.05	<0.05	0.05	A001436
Bismuth (Bi)	ug/g	<0.05	<0.05	A001462	<0.05	<0.05	0.05	A001436
Boron (B)	ug/g	5.7	<0.5	A001462	0.7	8.1	0.5	A001436
Cadmium (Cd)	ug/g	0.08	0.02	A001462	<0.01	0.02	0.01	A001436
Calcium (Ca)	ug/g	2300	618	A001462	137	3380	50	A001436
Chromium (Cr)	ug/g	<0.3	<0.3	A001462	<0.3	<0.3	0.3	A001436
Cobalt (Co)	ug/g	0.050	0.023	A001462	0.005	0.023	0.005	A001436
Copper (Cu)	ug/g	1.5	<0.5	A001462	0.6	1.6	0.5	A001436
Iron (Fe)	ug/g	14	32	A001462	4	17	3	A001436
Lead (Pb)	ug/g	<0.03	0.13	A001462	<0.03	<0.03	0.03	A001436
Magnesium (Mg)	ug/g	944	<100	A001462	<100	658	100	A001436
Manganese (Mn)	ug/g	116	17.9	A001462	3.7	162	0.3	A001436
Molybdenum (Mo)	ug/g	0.09	<0.05	A001462	<0.05	<0.05	0.05	A001436
Nickel (Ni)	ug/g	0.49	0.07	A001462	0.20	0.46	0.05	A001436
Phosphorus (P)	ug/g	463	138	A001462	149	400	50	A001436
Potassium (K)	ug/g	3010	418	A001462	1370	2170	100	A001436
Selenium (Se)	ug/g	<0.04	<0.04	A001462	<0.04	<0.04	0.04	A001436
Silver (Ag)	ug/g	<0.05	<0.05	A001462	<0.05	<0.05	0.05	A001436
Sodium (Na)	ug/g	<50	<50	A001462	<50	<50	50	A001436
Strontium (Sr)	ug/g	3.0	1.2	A001462	<0.5	6.0	0.5	A001436
Thallium (Tl)	ug/g	<0.003	0.004	A001462	<0.003	<0.003	0.003	A001436
Tin (Sn)	ug/g	<0.3	<0.3	A001462	<0.3	<0.3	0.3	A001436
Titanium (Ti)	ug/g	<0.5	1.0	A001462	<0.5	<0.5	0.5	A001436
Uranium (U)	ug/g	<0.005	<0.005	A001462	<0.005	<0.005	0.005	A001436
Vanadium (V)	ug/g	<0.05	<0.05	A001462	<0.05	<0.05	0.05	A001436
Zinc (Zn)	ug/g	20	5	A001462	2	15	2	A001436

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT35	AUDT36			AUDT37		
Sampling Date		2025/07/30	2025/07/30			2025/07/30		
COC Number		1030632	1030632			1030632		
	UNITS	T1_2000_LICHEN	T1_250_BERRIES	RDL	QC Batch	T1_250_LEAVES	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	0.05	A001865	<0.05	0.05	A001436
Arsenic (As)	ug/g	4.9	0.2	0.1	A001865	0.5	0.1	A001436
Barium (Ba)	ug/g	10.8	1.4	0.3	A001865	10.0	0.3	A001436
Beryllium (Be)	ug/g	<0.05	<0.05	0.05	A001865	<0.05	0.05	A001436
Bismuth (Bi)	ug/g	<0.05	<0.05	0.05	A001865	<0.05	0.05	A001436
Boron (B)	ug/g	1.0	1.7	0.5	A001865	8.0	0.5	A001436
Cadmium (Cd)	ug/g	0.11	<0.01	0.01	A001865	0.07	0.01	A001436
Calcium (Ca)	ug/g	7700	179	50	A001865	2610	50	A001436
Chromium (Cr)	ug/g	0.4	<0.3	0.3	A001865	<0.3	0.3	A001436
Cobalt (Co)	ug/g	0.147	0.010	0.005	A001865	0.066	0.005	A001436
Copper (Cu)	ug/g	1.8	0.7	0.5	A001865	1.7	0.5	A001436
Iron (Fe)	ug/g	278	5	3	A001865	34	3	A001436
Lead (Pb)	ug/g	0.69	<0.03	0.03	A001865	0.04	0.03	A001436
Magnesium (Mg)	ug/g	451	113	100	A001865	1420	100	A001436
Manganese (Mn)	ug/g	38.4	6.9	0.3	A001865	65.5	0.3	A001436
Molybdenum (Mo)	ug/g	0.08	<0.05	0.05	A001865	0.21	0.05	A001436
Nickel (Ni)	ug/g	0.56	0.26	0.05	A001865	0.69	0.05	A001436
Phosphorus (P)	ug/g	357	252	50	A001865	555	300	A001436
Potassium (K)	ug/g	1110	1420	100	A001865	2380	100	A001436
Selenium (Se)	ug/g	0.09	<0.04	0.04	A001865	<0.04	0.04	A001436
Silver (Ag)	ug/g	<0.05	<0.05	0.05	A001865	<0.05	0.05	A001436
Sodium (Na)	ug/g	170	<50	50	A001865	120	50	A001436
Strontium (Sr)	ug/g	13.7	<0.5	0.5	A001865	4.7	0.5	A001436
Thallium (Tl)	ug/g	<0.003	<0.003	0.003	A001865	<0.003	0.003	A001436
Tin (Sn)	ug/g	<0.3	<0.3	0.3	A001865	<0.3	0.3	A001436
Titanium (Ti)	ug/g	4.4	<0.5	0.5	A001865	0.5	0.5	A001436
Uranium (U)	ug/g	0.008	<0.005	0.005	A001865	<0.005	0.005	A001436
Vanadium (V)	ug/g	0.29	<0.05	0.05	A001865	<0.05	0.05	A001436
Zinc (Zn)	ug/g	20	3	2	A001865	21	2	A001436

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT38		AUDT40		AUDT41		
Sampling Date		2025/07/30		2025/07/30		2025/07/30		
COC Number		1030632		1030632		1030632		
	UNITS	T1_250_LICHEN	QC Batch	T1_50_LEAVES	QC Batch	T1_50_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001462	<0.05	A001436	<0.05	0.05	A001865
Arsenic (As)	ug/g	14.1	A001462	0.9	A001436	20.0	0.1	A001865
Barium (Ba)	ug/g	11.0	A001462	16.2	A001436	20.3	0.3	A001865
Beryllium (Be)	ug/g	<0.05	A001462	<0.05	A001436	<0.05	0.05	A001865
Bismuth (Bi)	ug/g	<0.05	A001462	0.08	A001436	<0.05	0.05	A001865
Boron (B)	ug/g	0.9	A001462	6.1	A001436	0.7	0.5	A001865
Cadmium (Cd)	ug/g	0.07	A001462	0.09	A001436	0.11	0.01	A001865
Calcium (Ca)	ug/g	1690	A001462	3480	A001436	7320	50	A001865
Chromium (Cr)	ug/g	0.6	A001462	<0.3	A001436	0.6	0.3	A001865
Cobalt (Co)	ug/g	0.183	A001462	0.018	A001436	0.212	0.005	A001865
Copper (Cu)	ug/g	1.6	A001462	2.0	A001436	1.8	0.5	A001865
Iron (Fe)	ug/g	488	A001462	36	A001436	569	3	A001865
Lead (Pb)	ug/g	2.02	A001462	0.10	A001436	2.57	0.03	A001865
Magnesium (Mg)	ug/g	457	A001462	594	A001436	658	100	A001865
Manganese (Mn)	ug/g	157	A001462	37.0	A001436	54.1	0.3	A001865
Molybdenum (Mo)	ug/g	0.08	A001462	<0.05	A001436	0.13	0.05	A001865
Nickel (Ni)	ug/g	0.51	A001462	0.50	A001436	0.79	0.05	A001865
Phosphorus (P)	ug/g	507	A001462	314	A001436	275	50	A001865
Potassium (K)	ug/g	1320	A001462	2160	A001436	1140	100	A001865
Selenium (Se)	ug/g	0.13	A001462	<0.04	A001436	0.11	0.04	A001865
Silver (Ag)	ug/g	<0.05	A001462	<0.05	A001436	<0.05	0.05	A001865
Sodium (Na)	ug/g	196	A001462	<50	A001436	187	50	A001865
Strontium (Sr)	ug/g	4.9	A001462	11.7	A001436	23.8	0.5	A001865
Thallium (Tl)	ug/g	0.007	A001462	<0.003	A001436	<0.003	0.003	A001865
Tin (Sn)	ug/g	<0.3	A001462	<0.3	A001436	<0.3	0.3	A001865
Titanium (Ti)	ug/g	4.7	A001462	<0.5	A001436	4.8	0.5	A001865
Uranium (U)	ug/g	0.013	A001462	<0.005	A001436	0.011	0.005	A001865
Vanadium (V)	ug/g	0.33	A001462	<0.05	A001436	0.35	0.05	A001865
Zinc (Zn)	ug/g	16	A001462	36	A001436	26	2	A001865

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT42		AUDT43		AUDT44		
Sampling Date		2025/08/03		2025/08/03		2025/08/03		
COC Number		1030632		1030632		1030632		
	UNITS	T2_10000_BERRIES	QC Batch	T2_10000_LEAVES	QC Batch	T2_10000_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001863	<0.05	A001865	<0.05	0.05	A001863
Arsenic (As)	ug/g	<0.1	A001863	0.4	A001865	11.1	0.1	A001863
Barium (Ba)	ug/g	1.0	A001863	13.6	A001865	20.0	0.3	A001863
Beryllium (Be)	ug/g	<0.05	A001863	<0.05	A001865	<0.05	0.05	A001863
Bismuth (Bi)	ug/g	<0.05	A001863	<0.05	A001865	0.07	0.05	A001863
Boron (B)	ug/g	1.2	A001863	11.5	A001865	1.4	0.5	A001863
Cadmium (Cd)	ug/g	0.04	A001863	0.13	A001865	0.09	0.01	A001863
Calcium (Ca)	ug/g	179	A001863	2800	A001865	6740	50	A001863
Chromium (Cr)	ug/g	<0.3	A001863	<0.3	A001865	0.9	0.3	A001863
Cobalt (Co)	ug/g	<0.005	A001863	0.010	A001865	0.171	0.005	A001863
Copper (Cu)	ug/g	0.7	A001863	2.5	A001865	2.7	0.5	A001863
Iron (Fe)	ug/g	4	A001863	28	A001865	501	3	A001863
Lead (Pb)	ug/g	<0.03	A001863	<0.03	A001865	1.71	0.03	A001863
Magnesium (Mg)	ug/g	<100	A001863	535	A001865	479	100	A001863
Manganese (Mn)	ug/g	21.2	A001863	409	A001865	59.9	0.3	A001863
Molybdenum (Mo)	ug/g	<0.05	A001863	0.05	A001865	0.15	0.05	A001863
Nickel (Ni)	ug/g	0.12	A001863	0.43	A001865	0.89	0.05	A001863
Phosphorus (P)	ug/g	189	A001863	354	A001865	346	50	A001863
Potassium (K)	ug/g	1180	A001863	2100	A001865	1280	100	A001863
Selenium (Se)	ug/g	<0.04	A001863	<0.04	A001865	0.13	0.04	A001863
Silver (Ag)	ug/g	<0.05	A001863	<0.05	A001865	<0.05	0.05	A001863
Sodium (Na)	ug/g	<50	A001863	<50	A001865	221	50	A001863
Strontium (Sr)	ug/g	1.0	A001863	9.2	A001865	29.9	0.5	A001863
Thallium (Tl)	ug/g	<0.003	A001863	<0.003	A001865	0.004	0.003	A001863
Tin (Sn)	ug/g	<0.3	A001863	<0.3	A001865	<0.3	0.3	A001863
Titanium (Ti)	ug/g	<0.5	A001863	<0.5	A001865	8.9	0.5	A001863
Uranium (U)	ug/g	<0.005	A001863	<0.005	A001865	0.053	0.005	A001863
Vanadium (V)	ug/g	<0.05	A001863	<0.05	A001865	0.51	0.05	A001863
Zinc (Zn)	ug/g	3	A001863	17	A001865	21	2	A001863

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT47	AUDT47		AUDT48			AUDT49		
Sampling Date		2025/07/31	2025/07/31		2025/07/31			2025/07/31		
COC Number		1030632	1030632		1030632			1030632		
	UNITS	T2_50_BERRIES	T2_50_BERRIES Lab-Dup	QC Batch	T2_50_LEAVES	RDL	QC Batch	T2_50_LICHEN	RDL	QC Batch
Metals										
Antimony (Sb)	ug/g	<0.05	<0.05	A001462	<0.05	0.05	A001434	<0.05	0.05	A001436
Arsenic (As)	ug/g	<0.1	<0.1	A001462	2.0	0.1	A001434	68.5	0.5	A001436
Barium (Ba)	ug/g	0.5	0.6	A001462	18.6	0.3	A001434	14.8	0.3	A001436
Beryllium (Be)	ug/g	<0.05	<0.05	A001462	<0.05	0.05	A001434	<0.05	0.05	A001436
Bismuth (Bi)	ug/g	<0.05	<0.05	A001462	<0.05	0.05	A001434	<0.05	0.05	A001436
Boron (B)	ug/g	0.8	0.8	A001462	4.1	0.5	A001434	1.3	0.5	A001436
Cadmium (Cd)	ug/g	0.01	0.02	A001462	0.05	0.01	A001434	0.13	0.01	A001436
Calcium (Ca)	ug/g	146	154	A001462	3280	50	A001434	13800	50	A001436
Chromium (Cr)	ug/g	<0.3	<0.3	A001462	<0.3	0.3	A001434	2.1	0.3	A001436
Cobalt (Co)	ug/g	<0.005	<0.005	A001462	0.055	0.005	A001434	0.549	0.005	A001436
Copper (Cu)	ug/g	<0.5	0.5	A001462	1.5	0.5	A001434	4.7	0.5	A001436
Iron (Fe)	ug/g	<3	<3	A001462	57	3	A001434	2280	3	A001436
Lead (Pb)	ug/g	<0.03	<0.03	A001462	0.15	0.03	A001434	9.57	0.03	A001436
Magnesium (Mg)	ug/g	<100	<100	A001462	397	100	A001434	695	100	A001436
Manganese (Mn)	ug/g	3.2	3.3	A001462	49.7	0.3	A001434	42.7	0.3	A001436
Molybdenum (Mo)	ug/g	<0.05	<0.05	A001462	<0.05	0.05	A001434	0.35	0.05	A001436
Nickel (Ni)	ug/g	0.20	0.20	A001462	0.51	0.05	A001434	1.69	0.05	A001436
Phosphorus (P)	ug/g	116	125	A001462	323	50	A001434	432	50	A001436
Potassium (K)	ug/g	1250	1240	A001462	2230	100	A001434	1330	100	A001436
Selenium (Se)	ug/g	<0.04	<0.04	A001462	<0.04	0.04	A001434	0.12	0.04	A001436
Silver (Ag)	ug/g	<0.05	<0.05	A001462	<0.05	0.05	A001434	<0.05	0.05	A001436
Sodium (Na)	ug/g	<50	<50	A001462	<50	50	A001434	172	50	A001436
Strontium (Sr)	ug/g	<0.5	<0.5	A001462	4.7	0.5	A001434	17.5	0.5	A001436
Thallium (Tl)	ug/g	<0.003	<0.003	A001462	<0.003	0.003	A001434	0.006	0.003	A001436
Tin (Sn)	ug/g	<0.3	<0.3	A001462	<0.3	0.3	A001434	<0.3	0.3	A001436
Titanium (Ti)	ug/g	<0.5	<0.5	A001462	<0.5	0.5	A001434	13.6	0.5	A001436
Uranium (U)	ug/g	<0.005	<0.005	A001462	<0.005	0.005	A001434	0.032	0.005	A001436
Vanadium (V)	ug/g	<0.05	<0.05	A001462	<0.05	0.05	A001434	1.26	0.05	A001436
Zinc (Zn)	ug/g	2	2	A001462	27	2	A001434	28	2	A001436

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT50		AUDT51	AUDT52		AUDT53		
Sampling Date		2025/07/31		2025/07/31	2025/07/31		2025/07/25		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T2_500_BERRIES	QC Batch	T2_500_LEAVES	T2_500_LICHEN	QC Batch	T2_5000_BERRIES	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	A001863	<0.05	<0.05	A001436	<0.05	0.05	A001462
Arsenic (As)	ug/g	<0.1	A001863	1.0	34.8	A001436	<0.1	0.1	A001462
Barium (Ba)	ug/g	0.5	A001863	19.1	13.6	A001436	0.7	0.3	A001462
Beryllium (Be)	ug/g	<0.05	A001863	<0.05	<0.05	A001436	<0.05	0.05	A001462
Bismuth (Bi)	ug/g	<0.05	A001863	<0.05	<0.05	A001436	<0.05	0.05	A001462
Boron (B)	ug/g	0.6	A001863	4.8	0.7	A001436	0.8	0.5	A001462
Cadmium (Cd)	ug/g	0.01	A001863	0.10	0.13	A001436	<0.01	0.01	A001462
Calcium (Ca)	ug/g	133	A001863	4090	8050	A001436	135	50	A001462
Chromium (Cr)	ug/g	<0.3	A001863	<0.3	2.5	A001436	<0.3	0.3	A001462
Cobalt (Co)	ug/g	<0.005	A001863	0.035	0.291	A001436	0.007	0.005	A001462
Copper (Cu)	ug/g	<0.5	A001863	2.0	2.6	A001436	0.5	0.5	A001462
Iron (Fe)	ug/g	<3	A001863	32	1000	A001436	3	3	A001462
Lead (Pb)	ug/g	<0.03	A001863	0.06	4.62	A001436	<0.03	0.03	A001462
Magnesium (Mg)	ug/g	<100	A001863	552	537	A001436	<100	100	A001462
Manganese (Mn)	ug/g	6.2	A001863	143	67.3	A001436	8.2	0.3	A001462
Molybdenum (Mo)	ug/g	<0.05	A001863	<0.05	0.37	A001436	<0.05	0.05	A001462
Nickel (Ni)	ug/g	0.21	A001863	0.37	1.86	A001436	0.20	0.05	A001462
Phosphorus (P)	ug/g	140	A001863	442	348	A001436	165	50	A001462
Potassium (K)	ug/g	1190	A001863	2620	1160	A001436	1570	100	A001462
Selenium (Se)	ug/g	<0.04	A001863	<0.04	0.11	A001436	<0.04	0.04	A001462
Silver (Ag)	ug/g	<0.05	A001863	<0.05	<0.05	A001436	<0.05	0.05	A001462
Sodium (Na)	ug/g	<50	A001863	<50	160	A001436	<50	50	A001462
Strontium (Sr)	ug/g	<0.5	A001863	11.1	17.3	A001436	<0.5	0.5	A001462
Thallium (Tl)	ug/g	<0.003	A001863	<0.003	<0.003	A001436	<0.003	0.003	A001462
Tin (Sn)	ug/g	<0.3	A001863	<0.3	<0.3	A001436	<0.3	0.3	A001462
Titanium (Ti)	ug/g	<0.5	A001863	<0.5	6.8	A001436	<0.5	0.5	A001462
Uranium (U)	ug/g	<0.005	A001863	<0.005	0.013	A001436	<0.005	0.005	A001462
Vanadium (V)	ug/g	<0.05	A001863	<0.05	0.62	A001436	<0.05	0.05	A001462
Zinc (Zn)	ug/g	<2	A001863	28	24	A001436	<2	2	A001462

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT54		AUDT55	AUDT56		AUDT57		
Sampling Date		2025/07/25		2025/07/25	2025/08/02		2025/08/02		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T2_5000_LEAVES	QC Batch	T2_5000_LICHEN	T3_100_BERRRIES	QC Batch	T3_100_LEAVES	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	A001434	<0.05	<0.05	A001863	<0.05	0.05	A001436
Arsenic (As)	ug/g	1.1	A001434	2.6	<0.1	A001863	0.3	0.1	A001436
Barium (Ba)	ug/g	18.0	A001434	2.7	<0.3	A001863	6.9	0.3	A001436
Beryllium (Be)	ug/g	<0.05	A001434	<0.05	<0.05	A001863	<0.05	0.05	A001436
Bismuth (Bi)	ug/g	<0.05	A001434	<0.05	<0.05	A001863	<0.05	0.05	A001436
Boron (B)	ug/g	7.5	A001434	<0.5	1.9	A001863	5.6	0.5	A001436
Cadmium (Cd)	ug/g	0.05	A001434	0.05	0.07	A001863	0.12	0.01	A001436
Calcium (Ca)	ug/g	2490	A001434	1690	242	A001863	2060	50	A001436
Chromium (Cr)	ug/g	<0.3	A001434	<0.3	<0.3	A001863	<0.3	0.3	A001436
Cobalt (Co)	ug/g	0.050	A001434	0.045	0.014	A001863	0.029	0.005	A001436
Copper (Cu)	ug/g	1.8	A001434	0.7	0.9	A001863	1.5	0.5	A001436
Iron (Fe)	ug/g	36	A001434	52	5	A001863	40	3	A001436
Lead (Pb)	ug/g	0.07	A001434	2.53	<0.03	A001863	<0.03	0.03	A001436
Magnesium (Mg)	ug/g	476	A001434	166	291	A001863	1070	100	A001436
Manganese (Mn)	ug/g	218	A001434	23.3	24.4	A001863	128	0.3	A001436
Molybdenum (Mo)	ug/g	<0.05	A001434	<0.05	0.06	A001863	0.08	0.05	A001436
Nickel (Ni)	ug/g	0.84	A001434	0.13	0.22	A001863	0.22	0.05	A001436
Phosphorus (P)	ug/g	455	A001434	340	219	A001863	394	50	A001436
Potassium (K)	ug/g	2650	A001434	1150	2030	A001863	3110	100	A001436
Selenium (Se)	ug/g	<0.04	A001434	0.08	<0.04	A001863	<0.04	0.04	A001436
Silver (Ag)	ug/g	<0.05	A001434	<0.05	<0.05	A001863	<0.05	0.05	A001436
Sodium (Na)	ug/g	<50	A001434	<50	<50	A001863	<50	50	A001436
Strontium (Sr)	ug/g	5.4	A001434	4.2	<0.5	A001863	1.4	0.5	A001436
Thallium (Tl)	ug/g	<0.003	A001434	<0.003	<0.003	A001863	<0.003	0.003	A001436
Tin (Sn)	ug/g	<0.3	A001434	<0.3	<0.3	A001863	<0.3	0.3	A001436
Titanium (Ti)	ug/g	<0.5	A001434	1.1	<0.5	A001863	<0.5	0.5	A001436
Uranium (U)	ug/g	<0.005	A001434	<0.005	<0.005	A001863	<0.005	0.005	A001436
Vanadium (V)	ug/g	<0.05	A001434	<0.05	<0.05	A001863	<0.05	0.05	A001436
Zinc (Zn)	ug/g	18	A001434	12	4	A001863	25	2	A001436

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT58		AUDT59		AUDT60	AUDT61		
Sampling Date		2025/08/02		2025/08/01		2025/08/01	2025/08/01		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T3_100_LICHEN	QC Batch	T3_2000_BERRIES	QC Batch	T3_2000_LEAVES	T3_2000_LICHEN	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	A001462	<0.05	A001436	<0.05	<0.05	0.05	A001434
Arsenic (As)	ug/g	8.9	A001462	<0.1	A001436	0.3	4.9	0.1	A001434
Barium (Ba)	ug/g	15.0	A001462	1.2	A001436	10.1	7.5	0.3	A001434
Beryllium (Be)	ug/g	<0.05	A001462	<0.05	A001436	<0.05	<0.05	0.05	A001434
Bismuth (Bi)	ug/g	<0.05	A001462	<0.05	A001436	<0.05	<0.05	0.05	A001434
Boron (B)	ug/g	0.8	A001462	1.4	A001436	7.6	0.7	0.5	A001434
Cadmium (Cd)	ug/g	0.08	A001462	<0.01	A001436	0.02	0.04	0.01	A001434
Calcium (Ca)	ug/g	2840	A001462	193	A001436	1920	1480	50	A001434
Chromium (Cr)	ug/g	0.8	A001462	<0.3	A001436	<0.3	1.3	0.3	A001434
Cobalt (Co)	ug/g	0.205	A001462	<0.005	A001436	0.037	0.271	0.005	A001434
Copper (Cu)	ug/g	1.9	A001462	0.9	A001436	2.0	2.5	0.5	A001434
Iron (Fe)	ug/g	615	A001462	5	A001436	40	545	3	A001434
Lead (Pb)	ug/g	1.51	A001462	<0.03	A001436	<0.03	0.49	0.03	A001434
Magnesium (Mg)	ug/g	542	A001462	<100	A001436	504	407	100	A001434
Manganese (Mn)	ug/g	152	A001462	4.2	A001436	70.1	40.7	0.3	A001434
Molybdenum (Mo)	ug/g	0.13	A001462	<0.05	A001436	0.08	0.25	0.05	A001434
Nickel (Ni)	ug/g	0.62	A001462	0.10	A001436	0.42	1.25	0.05	A001434
Phosphorus (P)	ug/g	481	A001462	206	A001436	507	680	50	A001434
Potassium (K)	ug/g	1430	A001462	1520	A001436	2140	1850	100	A001434
Selenium (Se)	ug/g	0.14	A001462	<0.04	A001436	<0.04	0.07	0.04	A001434
Silver (Ag)	ug/g	<0.05	A001462	<0.05	A001436	<0.05	<0.05	0.05	A001434
Sodium (Na)	ug/g	269	A001462	<50	A001436	<50	349	50	A001434
Strontium (Sr)	ug/g	7.4	A001462	<0.5	A001436	3.3	4.2	0.5	A001434
Thallium (Tl)	ug/g	0.017	A001462	<0.003	A001436	<0.003	0.007	0.003	A001434
Tin (Sn)	ug/g	<0.3	A001462	<0.3	A001436	<0.3	<0.3	0.3	A001434
Titanium (Ti)	ug/g	7.1	A001462	<0.5	A001436	<0.5	9.0	0.5	A001434
Uranium (U)	ug/g	0.017	A001462	<0.005	A001436	<0.005	0.049	0.005	A001434
Vanadium (V)	ug/g	0.52	A001462	<0.05	A001436	<0.05	0.58	0.05	A001434
Zinc (Zn)	ug/g	21	A001462	<2	A001436	7	19	2	A001434

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT61		AUDT62		AUDT63	AUDT64		
Sampling Date		2025/08/01		2025/08/02		2025/08/02	2025/08/02		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T3_2000_LICHEN Lab-Dup	QC Batch	T3_250_BERRIES	QC Batch	T3_250_LEAVES	T3_250_LICHEN	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	A001434	<0.05	A001462	<0.05	<0.05	0.05	A001434
Arsenic (As)	ug/g	4.8	A001434	<0.1	A001462	0.4	9.7	0.1	A001434
Barium (Ba)	ug/g	7.5	A001434	0.9	A001462	14.8	16.8	0.3	A001434
Beryllium (Be)	ug/g	<0.05	A001434	<0.05	A001462	<0.05	<0.05	0.05	A001434
Bismuth (Bi)	ug/g	<0.05	A001434	0.08	A001462	<0.05	<0.05	0.05	A001434
Boron (B)	ug/g	0.7	A001434	1.2	A001462	9.9	0.9	0.5	A001434
Cadmium (Cd)	ug/g	0.04	A001434	0.03	A001462	0.10	0.10	0.01	A001434
Calcium (Ca)	ug/g	1500	A001434	164	A001462	3160	3270	50	A001434
Chromium (Cr)	ug/g	1.3	A001434	<0.3	A001462	<0.3	1.6	0.3	A001434
Cobalt (Co)	ug/g	0.251	A001434	0.006	A001462	0.014	0.236	0.005	A001434
Copper (Cu)	ug/g	2.3	A001434	<0.5	A001462	1.5	2.0	0.5	A001434
Iron (Fe)	ug/g	493	A001434	<3	A001462	25	718	3	A001434
Lead (Pb)	ug/g	0.53	A001434	<0.03	A001462	<0.03	1.41	0.03	A001434
Magnesium (Mg)	ug/g	413	A001434	109	A001462	735	499	100	A001434
Manganese (Mn)	ug/g	41.7	A001434	16.2	A001462	277	183	0.3	A001434
Molybdenum (Mo)	ug/g	0.24	A001434	<0.05	A001462	0.12	0.27	0.05	A001434
Nickel (Ni)	ug/g	1.20	A001434	0.08	A001462	0.10	0.93	0.05	A001434
Phosphorus (P)	ug/g	691	A001434	145	A001462	379	525	50	A001434
Potassium (K)	ug/g	1920	A001434	1290	A001462	2470	1410	100	A001434
Selenium (Se)	ug/g	0.08	A001434	<0.04	A001462	<0.04	0.14	0.04	A001434
Silver (Ag)	ug/g	<0.05	A001434	<0.05	A001462	<0.05	<0.05	0.05	A001434
Sodium (Na)	ug/g	373	A001434	<50	A001462	<50	261	50	A001434
Strontium (Sr)	ug/g	4.2	A001434	<0.5	A001462	4.3	8.0	0.5	A001434
Thallium (Tl)	ug/g	0.007	A001434	<0.003	A001462	<0.003	0.012	0.003	A001434
Tin (Sn)	ug/g	<0.3	A001434	<0.3	A001462	<0.3	<0.3	0.3	A001434
Titanium (Ti)	ug/g	7.5	A001434	<0.5	A001462	<0.5	7.1	0.5	A001434
Uranium (U)	ug/g	0.039	A001434	<0.005	A001462	<0.005	0.017	0.005	A001434
Vanadium (V)	ug/g	0.52	A001434	<0.05	A001462	0.13	0.57	0.05	A001434
Zinc (Zn)	ug/g	19	A001434	3	A001462	26	27	2	A001434

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT65	AUDT66		AUDT67		AUDT68		
Sampling Date		2025/08/02	2025/08/02		2025/08/02		2025/08/02		
COC Number		1030632	1030632		1030632		1030632		
	UNITS	T3_50_BERRIES	T3_50_LEAVES	QC Batch	T3_50_LICHEN	QC Batch	T3_500_BERRIES	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	<0.05	A001434	<0.05	A001863	<0.05	0.05	A001436
Arsenic (As)	ug/g	<0.1	0.5	A001434	24.2	A001863	<0.1	0.1	A001436
Barium (Ba)	ug/g	2.6	9.0	A001434	12.0	A001863	0.5	0.3	A001436
Beryllium (Be)	ug/g	<0.05	<0.05	A001434	<0.05	A001863	<0.05	0.05	A001436
Bismuth (Bi)	ug/g	<0.05	<0.05	A001434	<0.05	A001863	<0.05	0.05	A001436
Boron (B)	ug/g	1.6	6.0	A001434	0.6	A001863	1.3	0.5	A001436
Cadmium (Cd)	ug/g	0.07	0.14	A001434	0.09	A001863	<0.01	0.01	A001436
Calcium (Ca)	ug/g	263	2780	A001434	3400	A001863	188	50	A001436
Chromium (Cr)	ug/g	<0.3	<0.3	A001434	2.1	A001863	<0.3	0.3	A001436
Cobalt (Co)	ug/g	0.037	0.057	A001434	0.307	A001863	0.007	0.005	A001436
Copper (Cu)	ug/g	0.6	2.0	A001434	2.0	A001863	<0.5	0.5	A001436
Iron (Fe)	ug/g	<3	38	A001434	795	A001863	<3	3	A001436
Lead (Pb)	ug/g	<0.03	0.04	A001434	3.06	A001863	<0.03	0.03	A001436
Magnesium (Mg)	ug/g	<100	1500	A001434	586	A001863	151	100	A001436
Manganese (Mn)	ug/g	59.1	205	A001434	72.6	A001863	7.1	0.3	A001436
Molybdenum (Mo)	ug/g	<0.05	0.12	A001434	0.14	A001863	0.08	0.05	A001436
Nickel (Ni)	ug/g	0.29	0.26	A001434	1.15	A001863	0.13	0.05	A001436
Phosphorus (P)	ug/g	194	378	A001434	369	A001863	221	50	A001436
Potassium (K)	ug/g	670	2180	A001434	1400	A001863	1510	100	A001436
Selenium (Se)	ug/g	<0.04	<0.04	A001434	0.13	A001863	<0.04	0.04	A001436
Silver (Ag)	ug/g	<0.05	<0.05	A001434	<0.05	A001863	<0.05	0.05	A001436
Sodium (Na)	ug/g	<50	150	A001434	227	A001863	<50	50	A001436
Strontium (Sr)	ug/g	<0.5	3.2	A001434	7.8	A001863	<0.5	0.5	A001436
Thallium (Tl)	ug/g	<0.003	0.004	A001434	0.023	A001863	<0.003	0.003	A001436
Tin (Sn)	ug/g	<0.3	<0.3	A001434	<0.3	A001863	<0.3	0.3	A001436
Titanium (Ti)	ug/g	<0.5	<0.5	A001434	7.2	A001863	<0.5	0.5	A001436
Uranium (U)	ug/g	<0.005	<0.005	A001434	0.014	A001863	<0.005	0.005	A001436
Vanadium (V)	ug/g	<0.05	0.07	A001434	0.53	A001863	<0.05	0.05	A001436
Zinc (Zn)	ug/g	3	14	A001434	23	A001863	2	2	A001436

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT69		AUDT70		AUDT71		
Sampling Date		2025/08/02		2025/08/02		2025/08/01		
COC Number		1030632		1030632		1030632		
	UNITS	T3_500_LEAVES	QC Batch	T3_500_LICHEN	QC Batch	T3_5120_BERRIES	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001463	<0.05	A001462	<0.05	0.05	A001436
Arsenic (As)	ug/g	0.5	A001463	11.1	A001462	0.3	0.1	A001436
Barium (Ba)	ug/g	11.9	A001463	14.4	A001462	1.5	0.3	A001436
Beryllium (Be)	ug/g	<0.05	A001463	<0.05	A001462	<0.05	0.05	A001436
Bismuth (Bi)	ug/g	<0.05	A001463	<0.05	A001462	<0.05	0.05	A001436
Boron (B)	ug/g	8.5	A001463	0.6	A001462	1.3	0.5	A001436
Cadmium (Cd)	ug/g	0.03	A001463	0.05	A001462	<0.01	0.01	A001436
Calcium (Ca)	ug/g	2650	A001463	3410	A001462	289	50	A001436
Chromium (Cr)	ug/g	<0.3	A001463	0.6	A001462	<0.3	0.3	A001436
Cobalt (Co)	ug/g	0.022	A001463	0.197	A001462	0.012	0.005	A001436
Copper (Cu)	ug/g	1.5	A001463	1.7	A001462	0.7	0.5	A001436
Iron (Fe)	ug/g	28	A001463	512	A001462	7	3	A001436
Lead (Pb)	ug/g	0.04	A001463	1.55	A001462	<0.03	0.03	A001436
Magnesium (Mg)	ug/g	1330	A001463	530	A001462	238	100	A001436
Manganese (Mn)	ug/g	196	A001463	103	A001462	21.1	0.3	A001436
Molybdenum (Mo)	ug/g	1.31	A001463	1.66	A001462	<0.05	0.05	A001436
Nickel (Ni)	ug/g	0.16	A001463	0.55	A001462	0.15	0.05	A001436
Phosphorus (P)	ug/g	510	A001463	478	A001462	259	50	A001436
Potassium (K)	ug/g	2820	A001463	1440	A001462	1520	100	A001436
Selenium (Se)	ug/g	<0.04	A001463	0.09	A001462	<0.04	0.04	A001436
Silver (Ag)	ug/g	<0.05	A001463	<0.05	A001462	<0.05	0.05	A001436
Sodium (Na)	ug/g	<50	A001463	405	A001462	<50	50	A001436
Strontium (Sr)	ug/g	4.0	A001463	9.1	A001462	<0.5	0.5	A001436
Thallium (Tl)	ug/g	<0.003	A001463	0.008	A001462	<0.003	0.003	A001436
Tin (Sn)	ug/g	<0.3	A001463	<0.3	A001462	<0.3	0.3	A001436
Titanium (Ti)	ug/g	<0.5	A001463	5.0	A001462	<0.5	0.5	A001436
Uranium (U)	ug/g	<0.005	A001463	0.013	A001462	<0.005	0.005	A001436
Vanadium (V)	ug/g	<0.05	A001463	0.40	A001462	<0.05	0.05	A001436
Zinc (Zn)	ug/g	15	A001463	21	A001462	3	2	A001436

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT72		AUDT73	AUDT73		AUDT75		
Sampling Date		2025/08/01		2025/08/01	2025/08/01		2025/07/24		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T3_5120_LEAVES	QC Batch	T3_5120_LICHEN	T3_5120_LICHEN Lab-Dup	QC Batch	T4_100_LEAVES	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	A001462	<0.05	<0.05	A001865	<0.05	0.05	A001863
Arsenic (As)	ug/g	0.6	A001462	12.7	15.3	A001865	4.8	0.1	A001863
Barium (Ba)	ug/g	7.5	A001462	7.7	9.1	A001865	13.5	0.3	A001863
Beryllium (Be)	ug/g	<0.05	A001462	<0.05	<0.05	A001865	<0.05	0.05	A001863
Bismuth (Bi)	ug/g	<0.05	A001462	<0.05	<0.05	A001865	<0.05	0.05	A001863
Boron (B)	ug/g	6.0	A001462	<0.5	<0.5	A001865	6.9	0.5	A001863
Cadmium (Cd)	ug/g	0.05	A001462	0.07	0.07	A001865	0.17	0.01	A001863
Calcium (Ca)	ug/g	2140	A001462	1720	1850	A001865	2990	50	A001863
Chromium (Cr)	ug/g	<0.3	A001462	1.7	2.0	A001865	<0.3	0.3	A001863
Cobalt (Co)	ug/g	0.025	A001462	0.156	0.182	A001865	0.068	0.005	A001863
Copper (Cu)	ug/g	1.7	A001462	1.1	1.3	A001865	3.1	0.5	A001863
Iron (Fe)	ug/g	27	A001462	384	494	A001865	149	3	A001863
Lead (Pb)	ug/g	<0.03	A001462	1.81	1.97	A001865	0.32	0.03	A001863
Magnesium (Mg)	ug/g	1300	A001462	727	787	A001865	592	100	A001863
Manganese (Mn)	ug/g	194	A001462	120	133	A001865	181	0.3	A001863
Molybdenum (Mo)	ug/g	0.06	A001462	0.18	0.21	A001865	<0.05	0.05	A001863
Nickel (Ni)	ug/g	0.32	A001462	1.08	1.27	A001865	0.41	0.05	A001863
Phosphorus (P)	ug/g	574	A001462	357	364	A001865	357	50	A001863
Potassium (K)	ug/g	2870	A001462	1250	1210	A001865	2170	100	A001863
Selenium (Se)	ug/g	<0.04	A001462	0.08	0.09	A001865	<0.04	0.04	A001863
Silver (Ag)	ug/g	<0.05	A001462	<0.05	<0.05	A001865	<0.05	0.05	A001863
Sodium (Na)	ug/g	61	A001462	354	313	A001865	74	50	A001863
Strontium (Sr)	ug/g	2.8	A001462	6.2	6.9	A001865	15.3	0.5	A001863
Thallium (Tl)	ug/g	<0.003	A001462	0.004	0.005	A001865	<0.003	0.003	A001863
Tin (Sn)	ug/g	<0.3	A001462	<0.3	<0.3	A001865	<0.3	0.3	A001863
Titanium (Ti)	ug/g	<0.5	A001462	4.0	5.2	A001865	0.8	0.5	A001863
Uranium (U)	ug/g	<0.005	A001462	0.010	0.011	A001865	0.009	0.005	A001863
Vanadium (V)	ug/g	<0.05	A001462	0.27	0.33	A001865	0.06	0.05	A001863
Zinc (Zn)	ug/g	14	A001462	13	14	A001865	26	2	A001863

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT76		AUDT77		AUDT78		
Sampling Date		2025/07/24		2025/07/24		2025/07/24		
COC Number		1030632		1030632		1030632		
	UNITS	T4_100_LICHEN	QC Batch	T4_1000_BERRIES	QC Batch	T4_1000_LEAVES	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001436	<0.05	A001865	<0.05	0.05	A001462
Arsenic (As)	ug/g	36.9	A001436	0.1	A001865	3.0	0.1	A001462
Barium (Ba)	ug/g	14.5	A001436	0.6	A001865	21.6	0.3	A001462
Beryllium (Be)	ug/g	<0.05	A001436	<0.05	A001865	<0.05	0.05	A001462
Bismuth (Bi)	ug/g	<0.05	A001436	<0.05	A001865	<0.05	0.05	A001462
Boron (B)	ug/g	1.0	A001436	1.0	A001865	6.5	0.5	A001462
Cadmium (Cd)	ug/g	0.09	A001436	<0.01	A001865	0.06	0.01	A001462
Calcium (Ca)	ug/g	14300	A001436	160	A001865	3810	50	A001462
Chromium (Cr)	ug/g	0.6	A001436	<0.3	A001865	<0.3	0.3	A001462
Cobalt (Co)	ug/g	0.227	A001436	<0.005	A001865	0.026	0.005	A001462
Copper (Cu)	ug/g	2.0	A001436	<0.5	A001865	2.4	0.5	A001462
Iron (Fe)	ug/g	867	A001436	<3	A001865	67	3	A001462
Lead (Pb)	ug/g	4.04	A001436	<0.03	A001865	0.20	0.03	A001462
Magnesium (Mg)	ug/g	566	A001436	<100	A001865	460	100	A001462
Manganese (Mn)	ug/g	38.7	A001436	2.4	A001865	71.4	0.3	A001462
Molybdenum (Mo)	ug/g	0.18	A001436	<0.05	A001865	<0.05	0.05	A001462
Nickel (Ni)	ug/g	0.70	A001436	0.16	A001865	0.59	0.05	A001462
Phosphorus (P)	ug/g	249	A001436	139	A001865	381	50	A001462
Potassium (K)	ug/g	850	A001436	1450	A001865	2510	100	A001462
Selenium (Se)	ug/g	0.07	A001436	<0.04	A001865	<0.04	0.04	A001462
Silver (Ag)	ug/g	<0.05	A001436	<0.05	A001865	<0.05	0.05	A001462
Sodium (Na)	ug/g	209	A001436	<50	A001865	<50	50	A001462
Strontium (Sr)	ug/g	48.9	A001436	0.7	A001865	18.4	0.5	A001462
Thallium (Tl)	ug/g	0.004	A001436	<0.003	A001865	<0.003	0.003	A001462
Tin (Sn)	ug/g	<0.3	A001436	<0.3	A001865	<0.3	0.3	A001462
Titanium (Ti)	ug/g	5.7	A001436	<0.5	A001865	0.7	0.5	A001462
Uranium (U)	ug/g	0.064	A001436	<0.005	A001865	<0.005	0.005	A001462
Vanadium (V)	ug/g	0.42	A001436	<0.05	A001865	<0.05	0.05	A001462
Zinc (Zn)	ug/g	21	A001436	2	A001865	28	2	A001462

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT79	AUDT79		AUDT81		
Sampling Date		2025/07/24	2025/07/24		2025/07/27		
COC Number		1030632	1030632		1030632		
	UNITS	T4_1000_LICHEN	T4_1000_LICHEN Lab-Dup	QC Batch	T4_10850_LEAVES	RDL	QC Batch
Metals							
Antimony (Sb)	ug/g	<0.05	<0.05	A001436	<0.05	0.05	A001434
Arsenic (As)	ug/g	24.1	26.5	A001436	<0.1	0.1	A001434
Barium (Ba)	ug/g	14.0	13.8	A001436	4.7	0.3	A001434
Beryllium (Be)	ug/g	<0.05	<0.05	A001436	<0.05	0.05	A001434
Bismuth (Bi)	ug/g	<0.05	<0.05	A001436	<0.05	0.05	A001434
Boron (B)	ug/g	0.7	0.6	A001436	5.4	0.5	A001434
Cadmium (Cd)	ug/g	0.09	0.09	A001436	0.10	0.01	A001434
Calcium (Ca)	ug/g	12100	12400	A001436	1850	50	A001434
Chromium (Cr)	ug/g	0.6	0.6	A001436	<0.3	0.3	A001434
Cobalt (Co)	ug/g	0.170	0.175	A001436	0.020	0.005	A001434
Copper (Cu)	ug/g	1.6	1.7	A001436	1.4	0.5	A001434
Iron (Fe)	ug/g	521	555	A001436	16	3	A001434
Lead (Pb)	ug/g	3.78	3.76	A001436	<0.03	0.03	A001434
Magnesium (Mg)	ug/g	455	460	A001436	1710	100	A001434
Manganese (Mn)	ug/g	49.9	49.5	A001436	373	0.3	A001434
Molybdenum (Mo)	ug/g	0.12	0.12	A001436	0.27	0.05	A001434
Nickel (Ni)	ug/g	0.45	0.46	A001436	0.30	0.05	A001434
Phosphorus (P)	ug/g	309	313	A001436	625	50	A001434
Potassium (K)	ug/g	1290	1290	A001436	2270	100	A001434
Selenium (Se)	ug/g	0.10	0.10	A001436	<0.04	0.04	A001434
Silver (Ag)	ug/g	<0.05	<0.05	A001436	<0.05	0.05	A001434
Sodium (Na)	ug/g	171	176	A001436	<50	50	A001434
Strontium (Sr)	ug/g	41.4	41.6	A001436	1.8	0.5	A001434
Thallium (Tl)	ug/g	<0.003	<0.003	A001436	<0.003	0.003	A001434
Tin (Sn)	ug/g	<0.3	<0.3	A001436	<0.3	0.3	A001434
Titanium (Ti)	ug/g	3.7	3.7	A001436	<0.5	0.5	A001434
Uranium (U)	ug/g	0.014	0.010	A001436	<0.005	0.005	A001434
Vanadium (V)	ug/g	0.29	0.29	A001436	<0.05	0.05	A001434
Zinc (Zn)	ug/g	20	20	A001436	15	2	A001434

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Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT82	AUDT83	AUDT84		AUDT85		
Sampling Date		2025/07/27	2025/07/24	2025/07/24		2025/07/24		
COC Number		1030632	1030632	1030632		1030632		
	UNITS	T4_10850_LICHEN	T4_2000_BERRIES	T4_2000_LEAVES	QC Batch	T4_2000_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	<0.05	A001462	<0.05	0.05	A001434
Arsenic (As)	ug/g	0.4	<0.1	2.8	A001462	14.2	0.1	A001434
Barium (Ba)	ug/g	0.7	1.4	11.0	A001462	20.5	0.3	A001434
Beryllium (Be)	ug/g	<0.05	<0.05	<0.05	A001462	<0.05	0.05	A001434
Bismuth (Bi)	ug/g	<0.05	<0.05	<0.05	A001462	<0.05	0.05	A001434
Boron (B)	ug/g	<0.5	1.8	11.8	A001462	0.8	0.5	A001434
Cadmium (Cd)	ug/g	0.06	<0.01	0.01	A001462	0.08	0.01	A001434
Calcium (Ca)	ug/g	423	235	3220	A001462	10400	50	A001434
Chromium (Cr)	ug/g	<0.3	<0.3	<0.3	A001462	0.5	0.3	A001434
Cobalt (Co)	ug/g	0.014	<0.005	0.026	A001462	0.166	0.005	A001434
Copper (Cu)	ug/g	<0.5	1.3	2.6	A001462	1.4	0.5	A001434
Iron (Fe)	ug/g	15	5	59	A001462	405	3	A001434
Lead (Pb)	ug/g	0.10	<0.03	0.14	A001462	1.98	0.03	A001434
Magnesium (Mg)	ug/g	102	113	400	A001462	511	100	A001434
Manganese (Mn)	ug/g	8.3	12.0	224	A001462	108	0.3	A001434
Molybdenum (Mo)	ug/g	<0.05	<0.05	<0.05	A001462	0.13	0.05	A001434
Nickel (Ni)	ug/g	<0.05	0.07	0.29	A001462	0.42	0.05	A001434
Phosphorus (P)	ug/g	198	203	314	A001462	270	50	A001434
Potassium (K)	ug/g	503	1890	2030	A001462	1010	100	A001434
Selenium (Se)	ug/g	0.05	<0.04	<0.04	A001462	0.10	0.04	A001434
Silver (Ag)	ug/g	<0.05	<0.05	<0.05	A001462	<0.05	0.05	A001434
Sodium (Na)	ug/g	<50	<50	<50	A001462	190	50	A001434
Strontium (Sr)	ug/g	1.2	0.5	4.8	A001462	39.2	0.5	A001434
Thallium (Tl)	ug/g	<0.003	<0.003	<0.003	A001462	<0.003	0.003	A001434
Tin (Sn)	ug/g	<0.3	<0.3	<0.3	A001462	<0.3	0.3	A001434
Titanium (Ti)	ug/g	0.6	<0.5	0.6	A001462	4.4	0.5	A001434
Uranium (U)	ug/g	<0.005	<0.005	<0.005	A001462	0.021	0.005	A001434
Vanadium (V)	ug/g	<0.05	<0.05	<0.05	A001462	0.28	0.05	A001434
Zinc (Zn)	ug/g	4	2	8	A001462	23	2	A001434

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT86			AUDT87			AUDT88		
Sampling Date		2025/07/24			2025/07/24			2025/07/24		
COC Number		1030632			1030632			1030632		
	UNITS	T4_250_BERRIES	RDL	QC Batch	T4_250_LEAVES	RDL	QC Batch	T4_250_LICHEN	RDL	QC Batch
Metals										
Antimony (Sb)	ug/g	<0.05	0.05	A001865	<0.05	0.05	A001434	<0.05	0.05	A001462
Arsenic (As)	ug/g	0.1	0.1	A001865	2.7	0.1	A001434	32.6	0.1	A001462
Barium (Ba)	ug/g	3.1	0.3	A001865	25.2	0.3	A001434	20.0	0.3	A001462
Beryllium (Be)	ug/g	<0.05	0.05	A001865	<0.05	0.05	A001434	<0.05	0.05	A001462
Bismuth (Bi)	ug/g	<0.05	0.05	A001865	<0.05	0.05	A001434	<0.05	0.05	A001462
Boron (B)	ug/g	1.1	0.5	A001865	8.9	0.5	A001434	1.1	0.5	A001462
Cadmium (Cd)	ug/g	0.07	0.01	A001865	0.33	0.01	A001434	0.15	0.01	A001462
Calcium (Ca)	ug/g	347	50	A001865	2470	50	A001434	27500	300	A001462
Chromium (Cr)	ug/g	<0.3	0.3	A001865	<0.3	0.3	A001434	0.5	0.3	A001462
Cobalt (Co)	ug/g	0.015	0.005	A001865	0.077	0.005	A001434	0.247	0.005	A001462
Copper (Cu)	ug/g	1.1	0.5	A001865	4.0	0.5	A001434	2.5	0.5	A001462
Iron (Fe)	ug/g	4	3	A001865	69	3	A001434	758	3	A001462
Lead (Pb)	ug/g	<0.03	0.03	A001865	0.14	0.03	A001434	3.53	0.03	A001462
Magnesium (Mg)	ug/g	128	100	A001865	578	100	A001434	610	100	A001462
Manganese (Mn)	ug/g	100	0.3	A001865	825	2	A001434	110	0.3	A001462
Molybdenum (Mo)	ug/g	<0.05	0.05	A001865	<0.05	0.05	A001434	0.15	0.05	A001462
Nickel (Ni)	ug/g	0.36	0.05	A001865	0.77	0.05	A001434	0.94	0.05	A001462
Phosphorus (P)	ug/g	187	50	A001865	361	50	A001434	320	50	A001462
Potassium (K)	ug/g	1120	100	A001865	1630	100	A001434	1110	100	A001462
Selenium (Se)	ug/g	<0.04	0.04	A001865	<0.04	0.04	A001434	0.09	0.04	A001462
Silver (Ag)	ug/g	<0.05	0.05	A001865	<0.05	0.05	A001434	<0.05	0.05	A001462
Sodium (Na)	ug/g	<50	50	A001865	<50	50	A001434	106	50	A001462
Strontium (Sr)	ug/g	1.8	0.5	A001865	12.9	0.5	A001434	65.9	0.5	A001462
Thallium (Tl)	ug/g	<0.003	0.003	A001865	0.004	0.003	A001434	0.004	0.003	A001462
Tin (Sn)	ug/g	<0.3	0.3	A001865	<0.3	0.3	A001434	<0.3	0.3	A001462
Titanium (Ti)	ug/g	<0.5	0.5	A001865	<0.5	0.5	A001434	4.6	0.5	A001462
Uranium (U)	ug/g	<0.005	0.005	A001865	<0.005	0.005	A001434	0.024	0.005	A001462
Vanadium (V)	ug/g	<0.05	0.05	A001865	<0.05	0.05	A001434	0.39	0.05	A001462
Zinc (Zn)	ug/g	5	2	A001865	26	2	A001434	24	2	A001462

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT89		AUDT90		AUDT91		
Sampling Date		2025/07/24		2025/07/24		2025/07/24		
COC Number		1030632		1030632		1030632		
	UNITS	T4_50_BERRIES	QC Batch	T4_50_LEAVES	QC Batch	T4_50_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001436	<0.05	A001865	<0.05	0.05	A001863
Arsenic (As)	ug/g	0.1	A001436	2.1	A001865	11.8	0.1	A001863
Barium (Ba)	ug/g	1.1	A001436	14.7	A001865	5.0	0.3	A001863
Beryllium (Be)	ug/g	<0.05	A001436	<0.05	A001865	<0.05	0.05	A001863
Bismuth (Bi)	ug/g	<0.05	A001436	<0.05	A001865	<0.05	0.05	A001863
Boron (B)	ug/g	1.2	A001436	10.4	A001865	0.8	0.5	A001863
Cadmium (Cd)	ug/g	0.01	A001436	0.11	A001865	0.06	0.01	A001863
Calcium (Ca)	ug/g	193	A001436	2670	A001865	4300	50	A001863
Chromium (Cr)	ug/g	<0.3	A001436	0.4	A001865	0.4	0.3	A001863
Cobalt (Co)	ug/g	0.011	A001436	0.114	A001865	0.147	0.005	A001863
Copper (Cu)	ug/g	0.6	A001436	2.6	A001865	1.4	0.5	A001863
Iron (Fe)	ug/g	6	A001436	81	A001865	318	3	A001863
Lead (Pb)	ug/g	<0.03	A001436	0.19	A001865	3.81	0.03	A001863
Magnesium (Mg)	ug/g	<100	A001436	531	A001865	342	100	A001863
Manganese (Mn)	ug/g	5.7	A001436	125	A001865	29.9	0.3	A001863
Molybdenum (Mo)	ug/g	<0.05	A001436	<0.05	A001865	0.09	0.05	A001863
Nickel (Ni)	ug/g	0.28	A001436	1.13	A001865	0.46	0.05	A001863
Phosphorus (P)	ug/g	154	A001436	374	A001865	423	50	A001863
Potassium (K)	ug/g	1330	A001436	2370	A001865	1520	100	A001863
Selenium (Se)	ug/g	<0.04	A001436	<0.04	A001865	0.07	0.04	A001863
Silver (Ag)	ug/g	<0.05	A001436	<0.05	A001865	<0.05	0.05	A001863
Sodium (Na)	ug/g	<50	A001436	<50	A001865	64	50	A001863
Strontium (Sr)	ug/g	0.7	A001436	10.1	A001865	13.8	0.5	A001863
Thallium (Tl)	ug/g	<0.003	A001436	<0.003	A001865	<0.003	0.003	A001863
Tin (Sn)	ug/g	<0.3	A001436	<0.3	A001865	<0.3	0.3	A001863
Titanium (Ti)	ug/g	<0.5	A001436	<0.5	A001865	2.7	0.5	A001863
Uranium (U)	ug/g	<0.005	A001436	<0.005	A001865	0.009	0.005	A001863
Vanadium (V)	ug/g	<0.05	A001436	<0.05	A001865	0.17	0.05	A001863
Zinc (Zn)	ug/g	2	A001436	20	A001865	23	2	A001863

RDL = Reportable Detection Limit
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Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT92		AUDT93		AUDT94		
Sampling Date		2025/07/24		2025/07/24		2025/07/24		
COC Number		1030632		1030632		1030632		
	UNITS	T4_500_BERRIES	QC Batch	T4_500_LEAVES	QC Batch	T4_500_ LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001434	<0.05	A001436	<0.05	0.05	A001462
Arsenic (As)	ug/g	<0.1	A001434	3.1	A001436	5.1	0.1	A001462
Barium (Ba)	ug/g	0.8	A001434	16.8	A001436	4.2	0.3	A001462
Beryllium (Be)	ug/g	<0.05	A001434	<0.05	A001436	<0.05	0.05	A001462
Bismuth (Bi)	ug/g	<0.05	A001434	<0.05	A001436	<0.05	0.05	A001462
Boron (B)	ug/g	0.9	A001434	7.3	A001436	<0.5	0.5	A001462
Cadmium (Cd)	ug/g	0.01	A001434	0.05	A001436	0.07	0.01	A001462
Calcium (Ca)	ug/g	141	A001434	2300	A001436	5110	50	A001462
Chromium (Cr)	ug/g	<0.3	A001434	<0.3	A001436	<0.3	0.3	A001462
Cobalt (Co)	ug/g	0.020	A001434	0.073	A001436	0.047	0.005	A001462
Copper (Cu)	ug/g	0.6	A001434	1.9	A001436	0.8	0.5	A001462
Iron (Fe)	ug/g	<3	A001434	57	A001436	90	3	A001462
Lead (Pb)	ug/g	<0.03	A001434	0.17	A001436	1.87	0.03	A001462
Magnesium (Mg)	ug/g	<100	A001434	541	A001436	223	100	A001462
Manganese (Mn)	ug/g	6.3	A001434	198	A001436	21.6	0.3	A001462
Molybdenum (Mo)	ug/g	<0.05	A001434	<0.05	A001436	0.06	0.05	A001462
Nickel (Ni)	ug/g	0.22	A001434	0.59	A001436	0.17	0.05	A001462
Phosphorus (P)	ug/g	174	A001434	396	A001436	236	50	A001462
Potassium (K)	ug/g	1490	A001434	2310	A001436	980	100	A001462
Selenium (Se)	ug/g	<0.04	A001434	<0.04	A001436	0.08	0.04	A001462
Silver (Ag)	ug/g	<0.05	A001434	<0.05	A001436	<0.05	0.05	A001462
Sodium (Na)	ug/g	<50	A001434	<50	A001436	<50	50	A001462
Strontium (Sr)	ug/g	<0.5	A001434	4.9	A001436	11.2	0.5	A001462
Thallium (Tl)	ug/g	<0.003	A001434	<0.003	A001436	<0.003	0.003	A001462
Tin (Sn)	ug/g	<0.3	A001434	<0.3	A001436	<0.3	0.3	A001462
Titanium (Ti)	ug/g	<0.5	A001434	0.6	A001436	1.3	0.5	A001462
Uranium (U)	ug/g	<0.005	A001434	<0.005	A001436	<0.005	0.005	A001462
Vanadium (V)	ug/g	<0.05	A001434	<0.05	A001436	0.07	0.05	A001462
Zinc (Zn)	ug/g	2	A001434	24	A001436	13	2	A001462

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDT95		AUDT96		AUDT97		
Sampling Date		2025/07/24		2025/07/24		2025/07/24		
COC Number		1030632		1030632		1030632		
	UNITS	T4_5000_BERRIES	QC Batch	T4_5000_LEAVES	QC Batch	T4_5000_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001865	<0.05	A001434	<0.05	0.05	A001462
Arsenic (As)	ug/g	<0.1	A001865	0.9	A001434	7.3	0.1	A001462
Barium (Ba)	ug/g	1.1	A001865	20.9	A001434	21.3	0.3	A001462
Beryllium (Be)	ug/g	<0.05	A001865	<0.05	A001434	<0.05	0.05	A001462
Bismuth (Bi)	ug/g	<0.05	A001865	<0.05	A001434	<0.05	0.05	A001462
Boron (B)	ug/g	1.5	A001865	6.9	A001434	0.9	0.5	A001462
Cadmium (Cd)	ug/g	<0.01	A001865	0.02	A001434	0.09	0.01	A001462
Calcium (Ca)	ug/g	221	A001865	3020	A001434	7800	50	A001462
Chromium (Cr)	ug/g	<0.3	A001865	<0.3	A001434	0.5	0.3	A001462
Cobalt (Co)	ug/g	<0.005	A001865	0.048	A001434	0.113	0.005	A001462
Copper (Cu)	ug/g	0.9	A001865	1.6	A001434	1.3	0.5	A001462
Iron (Fe)	ug/g	4	A001865	38	A001434	250	3	A001462
Lead (Pb)	ug/g	<0.03	A001865	0.07	A001434	1.08	0.03	A001462
Magnesium (Mg)	ug/g	105	A001865	429	A001434	500	100	A001462
Manganese (Mn)	ug/g	2.9	A001865	58.1	A001434	74.3	0.3	A001462
Molybdenum (Mo)	ug/g	<0.05	A001865	<0.05	A001434	0.10	0.05	A001462
Nickel (Ni)	ug/g	0.11	A001865	0.71	A001434	0.47	0.05	A001462
Phosphorus (P)	ug/g	228	A001865	378	A001434	347	50	A001462
Potassium (K)	ug/g	1750	A001865	1990	A001434	1170	100	A001462
Selenium (Se)	ug/g	<0.04	A001865	<0.04	A001434	0.10	0.04	A001462
Silver (Ag)	ug/g	<0.05	A001865	<0.05	A001434	<0.05	0.05	A001462
Sodium (Na)	ug/g	<50	A001865	<50	A001434	188	50	A001462
Strontium (Sr)	ug/g	<0.5	A001865	4.0	A001434	16.6	0.5	A001462
Thallium (Tl)	ug/g	<0.003	A001865	<0.003	A001434	<0.003	0.003	A001462
Tin (Sn)	ug/g	<0.3	A001865	<0.3	A001434	<0.3	0.3	A001462
Titanium (Ti)	ug/g	<0.5	A001865	0.7	A001434	3.2	0.5	A001462
Uranium (U)	ug/g	<0.005	A001865	<0.005	A001434	0.018	0.005	A001462
Vanadium (V)	ug/g	<0.05	A001865	<0.05	A001434	0.20	0.05	A001462
Zinc (Zn)	ug/g	2	A001865	16	A001434	28	2	A001462

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU00		AUDU01	AUDU02		AUDU03		
Sampling Date		2025/07/26		2025/07/26	2025/07/26		2025/07/26		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T5_500_BERRIES	QC Batch	T5_500_LEAVES	T5_500_LICHEN	QC Batch	T5_5000_BERRIES	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	A001863	<0.05	<0.05	A001434	<0.05	0.05	A001863
Arsenic (As)	ug/g	0.2	A001863	0.8	6.8	A001434	<0.1	0.1	A001863
Barium (Ba)	ug/g	0.6	A001863	5.8	1.6	A001434	1.0	0.3	A001863
Beryllium (Be)	ug/g	<0.05	A001863	<0.05	<0.05	A001434	<0.05	0.05	A001863
Bismuth (Bi)	ug/g	<0.05	A001863	<0.05	<0.05	A001434	<0.05	0.05	A001863
Boron (B)	ug/g	1.1	A001863	4.2	0.5	A001434	0.7	0.5	A001863
Cadmium (Cd)	ug/g	<0.01	A001863	0.13	0.03	A001434	<0.01	0.01	A001863
Calcium (Ca)	ug/g	109	A001863	1790	588	A001434	161	50	A001863
Chromium (Cr)	ug/g	<0.3	A001863	<0.3	<0.3	A001434	<0.3	0.3	A001863
Cobalt (Co)	ug/g	0.008	A001863	0.022	0.049	A001434	0.014	0.005	A001863
Copper (Cu)	ug/g	<0.5	A001863	1.2	0.7	A001434	0.6	0.5	A001863
Iron (Fe)	ug/g	5	A001863	31	141	A001434	5	3	A001863
Lead (Pb)	ug/g	<0.03	A001863	0.04	0.67	A001434	<0.03	0.03	A001863
Magnesium (Mg)	ug/g	<100	A001863	1520	118	A001434	<100	100	A001863
Manganese (Mn)	ug/g	1.7	A001863	181	13.7	A001434	1.4	0.3	A001863
Molybdenum (Mo)	ug/g	<0.05	A001863	0.05	<0.05	A001434	<0.05	0.05	A001863
Nickel (Ni)	ug/g	0.18	A001863	0.22	0.15	A001434	0.29	0.05	A001863
Phosphorus (P)	ug/g	197	A001863	572	200	A001434	198	50	A001863
Potassium (K)	ug/g	1560	A001863	2090	529	A001434	1130	100	A001863
Selenium (Se)	ug/g	<0.04	A001863	<0.04	<0.04	A001434	<0.04	0.04	A001863
Silver (Ag)	ug/g	<0.05	A001863	<0.05	<0.05	A001434	<0.05	0.05	A001863
Sodium (Na)	ug/g	<50	A001863	60	<50	A001434	<50	50	A001863
Strontium (Sr)	ug/g	<0.5	A001863	2.6	1.7	A001434	<0.5	0.5	A001863
Thallium (Tl)	ug/g	<0.003	A001863	<0.003	0.005	A001434	<0.003	0.003	A001863
Tin (Sn)	ug/g	<0.3	A001863	<0.3	<0.3	A001434	<0.3	0.3	A001863
Titanium (Ti)	ug/g	<0.5	A001863	<0.5	1.2	A001434	<0.5	0.5	A001863
Uranium (U)	ug/g	<0.005	A001863	<0.005	<0.005	A001434	<0.005	0.005	A001863
Vanadium (V)	ug/g	<0.05	A001863	<0.05	0.09	A001434	<0.05	0.05	A001863
Zinc (Zn)	ug/g	2	A001863	21	5	A001434	3	2	A001863

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU04		AUDU05	AUDU06		AUDU07		
Sampling Date		2025/07/26		2025/07/26	2025/07/25		2025/07/25		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T5_5000_LEAVES	QC Batch	T5_5000_LICHEN	T6_100_BERRIES	QC Batch	T6_100_LEAVES	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	A001436	<0.05	<0.05	A001863	<0.05	0.05	A001434
Arsenic (As)	ug/g	0.2	A001436	2.1	0.1	A001863	0.7	0.1	A001434
Barium (Ba)	ug/g	11.7	A001436	5.9	0.6	A001863	13.5	0.3	A001434
Beryllium (Be)	ug/g	<0.05	A001436	<0.05	<0.05	A001863	<0.05	0.05	A001434
Bismuth (Bi)	ug/g	<0.05	A001436	<0.05	<0.05	A001863	<0.05	0.05	A001434
Boron (B)	ug/g	2.3	A001436	1.2	1.0	A001863	8.2	0.5	A001434
Cadmium (Cd)	ug/g	<0.01	A001436	0.03	0.02	A001863	0.04	0.01	A001434
Calcium (Ca)	ug/g	1700	A001436	1860	119	A001863	2030	50	A001434
Chromium (Cr)	ug/g	<0.3	A001436	<0.3	<0.3	A001863	<0.3	0.3	A001434
Cobalt (Co)	ug/g	0.050	A001436	0.095	<0.005	A001863	0.037	0.005	A001434
Copper (Cu)	ug/g	1.2	A001436	1.0	0.6	A001863	1.8	0.5	A001434
Iron (Fe)	ug/g	19	A001436	95	6	A001863	89	3	A001434
Lead (Pb)	ug/g	<0.03	A001436	0.31	<0.03	A001863	0.05	0.03	A001434
Magnesium (Mg)	ug/g	435	A001436	231	<100	A001863	468	100	A001434
Manganese (Mn)	ug/g	68.6	A001436	47.4	3.1	A001863	47.9	0.3	A001434
Molybdenum (Mo)	ug/g	<0.05	A001436	<0.05	<0.05	A001863	<0.05	0.05	A001434
Nickel (Ni)	ug/g	0.41	A001436	0.20	0.10	A001863	0.26	0.05	A001434
Phosphorus (P)	ug/g	474	A001436	272	156	A001863	519	50	A001434
Potassium (K)	ug/g	1900	A001436	846	1430	A001863	2790	100	A001434
Selenium (Se)	ug/g	<0.04	A001436	0.06	<0.04	A001863	<0.04	0.04	A001434
Silver (Ag)	ug/g	<0.05	A001436	<0.05	<0.05	A001863	<0.05	0.05	A001434
Sodium (Na)	ug/g	<50	A001436	176	<50	A001863	<50	50	A001434
Strontium (Sr)	ug/g	2.5	A001436	4.3	<0.5	A001863	4.5	0.5	A001434
Thallium (Tl)	ug/g	0.005	A001436	0.023	<0.003	A001863	<0.003	0.003	A001434
Tin (Sn)	ug/g	<0.3	A001436	<0.3	<0.3	A001863	<0.3	0.3	A001434
Titanium (Ti)	ug/g	<0.5	A001436	1.5	<0.5	A001863	0.8	0.5	A001434
Uranium (U)	ug/g	<0.005	A001436	<0.005	<0.005	A001863	<0.005	0.005	A001434
Vanadium (V)	ug/g	<0.05	A001436	0.08	<0.05	A001863	0.07	0.05	A001434
Zinc (Zn)	ug/g	8	A001436	14	2	A001863	26	2	A001434

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU08	AUDU09		AUDU10		AUDU11		
Sampling Date		2025/07/25	2025/07/25		2025/07/25		2025/07/25		
COC Number		1030632	1030632		1030632		1030632		
	UNITS	T6_100_LICHEN	T6_1000_BERRIES	QC Batch	T6_1000_LEAVES	QC Batch	T6_1000_LICHEN	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	<0.05	A001434	<0.05	A001462	<0.05	0.05	A001863
Arsenic (As)	ug/g	1.5	<0.1	A001434	1.1	A001462	8.3	0.1	A001863
Barium (Ba)	ug/g	3.3	1.0	A001434	13.7	A001462	7.5	0.3	A001863
Beryllium (Be)	ug/g	<0.05	<0.05	A001434	<0.05	A001462	<0.05	0.05	A001863
Bismuth (Bi)	ug/g	<0.05	<0.05	A001434	<0.05	A001462	<0.05	0.05	A001863
Boron (B)	ug/g	<0.5	1.5	A001434	7.9	A001462	<0.5	0.5	A001863
Cadmium (Cd)	ug/g	0.04	<0.01	A001434	0.02	A001462	0.07	0.01	A001863
Calcium (Ca)	ug/g	1230	170	A001434	2940	A001462	3300	50	A001863
Chromium (Cr)	ug/g	0.3	<0.3	A001434	<0.3	A001462	0.5	0.3	A001863
Cobalt (Co)	ug/g	0.122	<0.005	A001434	0.036	A001462	0.138	0.005	A001863
Copper (Cu)	ug/g	0.7	0.9	A001434	2.2	A001462	1.1	0.5	A001863
Iron (Fe)	ug/g	151	5	A001434	46	A001462	293	3	A001863
Lead (Pb)	ug/g	1.00	<0.03	A001434	0.07	A001462	3.08	0.03	A001863
Magnesium (Mg)	ug/g	163	<100	A001434	442	A001462	298	100	A001863
Manganese (Mn)	ug/g	15.5	3.7	A001434	76.7	A001462	22.4	0.3	A001863
Molybdenum (Mo)	ug/g	<0.05	<0.05	A001434	<0.05	A001462	0.06	0.05	A001863
Nickel (Ni)	ug/g	0.28	0.14	A001434	0.62	A001462	0.39	0.05	A001863
Phosphorus (P)	ug/g	253	179	A001434	340	A001462	215	50	A001863
Potassium (K)	ug/g	827	1750	A001434	2380	A001462	963	100	A001863
Selenium (Se)	ug/g	0.08	<0.04	A001434	<0.04	A001462	0.10	0.04	A001863
Silver (Ag)	ug/g	<0.05	<0.05	A001434	<0.05	A001462	<0.05	0.05	A001863
Sodium (Na)	ug/g	<50	<50	A001434	<50	A001462	84	50	A001863
Strontium (Sr)	ug/g	8.4	<0.5	A001434	3.4	A001462	10.7	0.5	A001863
Thallium (Tl)	ug/g	0.004	<0.003	A001434	<0.003	A001462	<0.003	0.003	A001863
Tin (Sn)	ug/g	<0.3	<0.3	A001434	<0.3	A001462	<0.3	0.3	A001863
Titanium (Ti)	ug/g	4.9	<0.5	A001434	0.6	A001462	4.6	0.5	A001863
Uranium (U)	ug/g	0.009	<0.005	A001434	<0.005	A001462	0.010	0.005	A001863
Vanadium (V)	ug/g	0.16	<0.05	A001434	<0.05	A001462	0.24	0.05	A001863
Zinc (Zn)	ug/g	7	2	A001434	13	A001462	11	2	A001863

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU12	AUDU12		AUDU13	AUDU14		
Sampling Date		2025/07/27	2025/07/27		2025/07/27	2025/07/27		
COC Number		1030632	1030632		1030632	1030632		
	UNITS	T6_10000_BERRIES	T6_10000_BERRIES Lab-Dup	QC Batch	T6_10000_LEAVES	T6-10000_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	A001863	<0.05	<0.05	0.05	A001436
Arsenic (As)	ug/g	<0.1	<0.1	A001863	<0.1	0.3	0.1	A001436
Barium (Ba)	ug/g	0.8	0.8	A001863	11.5	1.7	0.3	A001436
Beryllium (Be)	ug/g	<0.05	<0.05	A001863	<0.05	<0.05	0.05	A001436
Bismuth (Bi)	ug/g	<0.05	<0.05	A001863	<0.05	<0.05	0.05	A001436
Boron (B)	ug/g	0.9	0.8	A001863	3.1	<0.5	0.5	A001436
Cadmium (Cd)	ug/g	<0.01	<0.01	A001863	0.02	0.02	0.01	A001436
Calcium (Ca)	ug/g	128	129	A001863	1660	721	50	A001436
Chromium (Cr)	ug/g	<0.3	<0.3	A001863	<0.3	<0.3	0.3	A001436
Cobalt (Co)	ug/g	0.009	0.009	A001863	0.033	0.023	0.005	A001436
Copper (Cu)	ug/g	0.9	0.9	A001863	1.3	0.7	0.5	A001436
Iron (Fe)	ug/g	<3	6	A001863	12	26	3	A001436
Lead (Pb)	ug/g	<0.03	<0.03	A001863	<0.03	0.12	0.03	A001436
Magnesium (Mg)	ug/g	<100	<100	A001863	376	<100	100	A001436
Manganese (Mn)	ug/g	12.9	13.9	A001863	115	21.4	0.3	A001436
Molybdenum (Mo)	ug/g	<0.05	<0.05	A001863	<0.05	<0.05	0.05	A001436
Nickel (Ni)	ug/g	0.20	0.19	A001863	0.46	0.08	0.05	A001436
Phosphorus (P)	ug/g	117	109	A001863	369	107	50	A001436
Potassium (K)	ug/g	1100	1140	A001863	2240	391	100	A001436
Selenium (Se)	ug/g	<0.04	<0.04	A001863	<0.04	<0.04	0.04	A001436
Silver (Ag)	ug/g	<0.05	<0.05	A001863	<0.05	<0.05	0.05	A001436
Sodium (Na)	ug/g	<50	<50	A001863	<50	<50	50	A001436
Strontium (Sr)	ug/g	<0.5	<0.5	A001863	3.7	1.7	0.5	A001436
Thallium (Tl)	ug/g	<0.003	<0.003	A001863	<0.003	<0.003	0.003	A001436
Tin (Sn)	ug/g	<0.3	<0.3	A001863	<0.3	<0.3	0.3	A001436
Titanium (Ti)	ug/g	<0.5	<0.5	A001863	<0.5	0.7	0.5	A001436
Uranium (U)	ug/g	<0.005	<0.005	A001863	<0.005	<0.005	0.005	A001436
Vanadium (V)	ug/g	<0.05	<0.05	A001863	<0.05	<0.05	0.05	A001436
Zinc (Zn)	ug/g	3	3	A001863	24	5	2	A001436

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU15		AUDU16		AUDU17		
Sampling Date		2025/07/25		2025/07/25		2025/07/25		
COC Number		1030632		1030632		1030632		
	UNITS	T6_2000_BERRIES	QC Batch	T6_2000_LEAVES	QC Batch	T6_2000_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001863	<0.05	A001436	<0.05	0.05	A001863
Arsenic (As)	ug/g	0.2	A001863	1.0	A001436	2.6	0.1	A001863
Barium (Ba)	ug/g	2.1	A001863	24.8	A001436	1.5	0.3	A001863
Beryllium (Be)	ug/g	<0.05	A001863	<0.05	A001436	<0.05	0.05	A001863
Bismuth (Bi)	ug/g	<0.05	A001863	<0.05	A001436	<0.05	0.05	A001863
Boron (B)	ug/g	1.9	A001863	9.5	A001436	<0.5	0.5	A001863
Cadmium (Cd)	ug/g	<0.01	A001863	0.04	A001436	0.05	0.01	A001863
Calcium (Ca)	ug/g	247	A001863	2900	A001436	553	50	A001863
Chromium (Cr)	ug/g	<0.3	A001863	0.3	A001436	0.3	0.3	A001863
Cobalt (Co)	ug/g	0.009	A001863	0.103	A001436	0.047	0.005	A001863
Copper (Cu)	ug/g	0.9	A001863	1.7	A001436	0.8	0.5	A001863
Iron (Fe)	ug/g	6	A001863	34	A001436	62	3	A001863
Lead (Pb)	ug/g	<0.03	A001863	0.43	A001436	1.12	0.03	A001863
Magnesium (Mg)	ug/g	116	A001863	636	A001436	146	100	A001863
Manganese (Mn)	ug/g	15.5	A001863	357	A001436	9.7	0.3	A001863
Molybdenum (Mo)	ug/g	<0.05	A001863	0.14	A001436	<0.05	0.05	A001863
Nickel (Ni)	ug/g	0.21	A001863	0.91	A001436	0.11	0.05	A001863
Phosphorus (P)	ug/g	249	A001863	443	A001436	230	50	A001863
Potassium (K)	ug/g	1570	A001863	1940	A001436	893	100	A001863
Selenium (Se)	ug/g	<0.04	A001863	<0.04	A001436	0.05	0.04	A001863
Silver (Ag)	ug/g	<0.05	A001863	<0.05	A001436	<0.05	0.05	A001863
Sodium (Na)	ug/g	<50	A001863	<50	A001436	<50	50	A001863
Strontium (Sr)	ug/g	<0.5	A001863	3.5	A001436	2.1	0.5	A001863
Thallium (Tl)	ug/g	<0.003	A001863	<0.003	A001436	<0.003	0.003	A001863
Tin (Sn)	ug/g	<0.3	A001863	<0.3	A001436	<0.3	0.3	A001863
Titanium (Ti)	ug/g	<0.5	A001863	0.6	A001436	1.2	0.5	A001863
Uranium (U)	ug/g	<0.005	A001863	<0.005	A001436	<0.005	0.005	A001863
Vanadium (V)	ug/g	<0.05	A001863	<0.05	A001436	0.06	0.05	A001863
Zinc (Zn)	ug/g	<2	A001863	10	A001436	5	2	A001863

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU18		AUDU19		AUDU20		
Sampling Date		2025/07/25		2025/07/25		2025/07/25		
COC Number		1030632		1030632		1030632		
	UNITS	T6_250_BERRIES	QC Batch	T6_250_LEAVES	QC Batch	T6_250_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001434	<0.05	A001436	<0.05	0.05	A001863
Arsenic (As)	ug/g	0.1	A001434	0.8	A001436	4.0	0.1	A001863
Barium (Ba)	ug/g	1.2	A001434	14.1	A001436	3.3	0.3	A001863
Beryllium (Be)	ug/g	<0.05	A001434	<0.05	A001436	<0.05	0.05	A001863
Bismuth (Bi)	ug/g	<0.05	A001434	<0.05	A001436	<0.05	0.05	A001863
Boron (B)	ug/g	1.6	A001434	6.8	A001436	<0.5	0.5	A001863
Cadmium (Cd)	ug/g	0.02	A001434	0.07	A001436	0.09	0.01	A001863
Calcium (Ca)	ug/g	224	A001434	2700	A001436	2810	50	A001863
Chromium (Cr)	ug/g	<0.3	A001434	<0.3	A001436	0.4	0.3	A001863
Cobalt (Co)	ug/g	0.021	A001434	0.102	A001436	0.103	0.005	A001863
Copper (Cu)	ug/g	0.9	A001434	2.1	A001436	0.8	0.5	A001863
Iron (Fe)	ug/g	7	A001434	60	A001436	160	3	A001863
Lead (Pb)	ug/g	<0.03	A001434	0.08	A001436	2.57	0.03	A001863
Magnesium (Mg)	ug/g	103	A001434	470	A001436	168	100	A001863
Manganese (Mn)	ug/g	15.8	A001434	157	A001436	19.8	0.3	A001863
Molybdenum (Mo)	ug/g	<0.05	A001434	<0.05	A001436	<0.05	0.05	A001863
Nickel (Ni)	ug/g	0.26	A001434	1.26	A001436	0.29	0.05	A001863
Phosphorus (P)	ug/g	161	A001434	331	A001436	262	50	A001863
Potassium (K)	ug/g	1470	A001434	2380	A001436	1050	100	A001863
Selenium (Se)	ug/g	<0.04	A001434	<0.04	A001436	0.09	0.04	A001863
Silver (Ag)	ug/g	<0.05	A001434	<0.05	A001436	<0.05	0.05	A001863
Sodium (Na)	ug/g	<50	A001434	<50	A001436	<50	50	A001863
Strontium (Sr)	ug/g	<0.5	A001434	3.4	A001436	9.8	0.5	A001863
Thallium (Tl)	ug/g	<0.003	A001434	<0.003	A001436	0.006	0.003	A001863
Tin (Sn)	ug/g	<0.3	A001434	<0.3	A001436	<0.3	0.3	A001863
Titanium (Ti)	ug/g	<0.5	A001434	0.7	A001436	3.4	0.5	A001863
Uranium (U)	ug/g	<0.005	A001434	<0.005	A001436	0.009	0.005	A001863
Vanadium (V)	ug/g	<0.05	A001434	0.05	A001436	0.15	0.05	A001863
Zinc (Zn)	ug/g	2	A001434	15	A001436	11	2	A001863

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU21		AUDU40		AUDU41		
Sampling Date		2025/07/25		2025/07/25		2025/07/25		
COC Number		1030632		1030632		1030632		
	UNITS	T6_50_BERRIES	QC Batch	T6_50_LEAVES	QC Batch	T6_50_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	A001462	<0.05	A001434	<0.05	0.05	A001462
Arsenic (As)	ug/g	0.2	A001462	0.8	A001434	2.4	0.1	A001462
Barium (Ba)	ug/g	0.5	A001462	13.1	A001434	3.9	0.3	A001462
Beryllium (Be)	ug/g	<0.05	A001462	<0.05	A001434	<0.05	0.05	A001462
Bismuth (Bi)	ug/g	<0.05	A001462	<0.05	A001434	<0.05	0.05	A001462
Boron (B)	ug/g	0.8	A001462	5.9	A001434	<0.5	0.5	A001462
Cadmium (Cd)	ug/g	<0.01	A001462	0.02	A001434	0.04	0.01	A001462
Calcium (Ca)	ug/g	118	A001462	2350	A001434	4550	50	A001462
Chromium (Cr)	ug/g	<0.3	A001462	<0.3	A001434	0.5	0.3	A001462
Cobalt (Co)	ug/g	0.006	A001462	0.044	A001434	0.172	0.005	A001462
Copper (Cu)	ug/g	0.5	A001462	1.4	A001434	0.9	0.5	A001462
Iron (Fe)	ug/g	16	A001462	130	A001434	259	3	A001462
Lead (Pb)	ug/g	<0.03	A001462	0.08	A001434	3.14	0.03	A001462
Magnesium (Mg)	ug/g	<100	A001462	461	A001434	170	100	A001462
Manganese (Mn)	ug/g	1.3	A001462	26.3	A001434	16.7	0.3	A001462
Molybdenum (Mo)	ug/g	<0.05	A001462	<0.05	A001434	<0.05	0.05	A001462
Nickel (Ni)	ug/g	0.40	A001462	0.32	A001434	0.51	0.05	A001462
Phosphorus (P)	ug/g	154	A001462	359	A001434	273	50	A001462
Potassium (K)	ug/g	1840	A001462	2450	A001434	1060	100	A001462
Selenium (Se)	ug/g	<0.04	A001462	<0.04	A001434	0.08	0.04	A001462
Silver (Ag)	ug/g	<0.05	A001462	<0.05	A001434	<0.05	0.05	A001462
Sodium (Na)	ug/g	<50	A001462	<50	A001434	<50	50	A001462
Strontium (Sr)	ug/g	<0.5	A001462	4.2	A001434	33.1	0.5	A001462
Thallium (Tl)	ug/g	<0.003	A001462	<0.003	A001434	0.006	0.003	A001462
Tin (Sn)	ug/g	<0.3	A001462	<0.3	A001434	<0.3	0.3	A001462
Titanium (Ti)	ug/g	<0.5	A001462	1.0	A001434	6.8	0.5	A001462
Uranium (U)	ug/g	<0.005	A001462	<0.005	A001434	0.021	0.005	A001462
Vanadium (V)	ug/g	<0.05	A001462	0.11	A001434	0.29	0.05	A001462
Zinc (Zn)	ug/g	2	A001462	14	A001434	9	2	A001462

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		ATWW23		ATWW24		ATWW25	ATWW26		
Sampling Date		2025/07/30		2025/07/30		2025/07/30	2025/07/30		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T1_100_leaves	QC Batch	T1_100_lichen	QC Batch	T1_1000_berries	T1_1000_leaves	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	9992753	0.04	9993709	<0.01	<0.01	0.01	9992753

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ATWW27	ATWW28		ATWW29	ATWW30	ATWW31		
Sampling Date		2025/07/30	2025/07/30		2025/07/30	2025/07/30	2025/07/30		
COC Number		1030632	1030632		1030632	1030632	1030632		
	UNITS	T1_1000_lichen	T1_5000_berries	QC Batch	T1_5000_leaves	T1_5000_lichen	T1_700_berries	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	0.06	<0.01	9992755	<0.01	0.06	<0.01	0.01	9992753

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ATWW32	ATWW33	ATWW34	ATWW35	ATWW36		
Sampling Date		2025/07/30	2025/07/30	2025/07/31	2025/07/31	2025/07/31		
COC Number		1030632	1030632	1030632	1030632	1030632		
	UNITS	T1_700_leaves	T1_700_lichen	T2_100_berries	T2_100_leaves	T2_100_lichen	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	0.06	<0.01	<0.01	0.06	0.01	9992755

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ATWW37		ATWW38	ATWW39	ATWW40		
Sampling Date		2025/07/31		2025/07/31	2025/07/31	2025/07/31		
COC Number		1030632		1030632	1030632	1030632		
	UNITS	T2_1000_berries	QC Batch	T2_1000_leaves	T2_1000_lichen	T2_1960_berries	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	9992755	<0.01	0.06	<0.01	0.01	9992753

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		ATWW41	ATWW42		ATWW43	ATWW44		
Sampling Date		2025/07/31	2025/07/31		2025/07/31	2025/08/01		
COC Number		1030632	1030632		1030632	1030632		
	UNITS	T2_1960_leaves	T2_1960_lichen	QC Batch	T2_250_leaves	T3_1000_berries	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	0.10	9992755	<0.01	<0.01	0.01	9992753

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ATWW45		ATWW46	ATWW47	ATWW48		
Sampling Date		2025/08/01		2025/08/01	2025/08/03	2025/08/03		
COC Number		1030632		1030632	1030632	1030632		
	UNITS	T3_1000_leaves	QC Batch	T3_1000_lichen	T3_10000_berries	T3_10000_leaves	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	9992755	0.07	<0.01	<0.01	0.01	9992753

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ATWW49		ATWW50	ATWW50		ATWW51		
Sampling Date		2025/08/03		2025/07/26	2025/07/26		2025/07/26		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T3_10000_lichen	QC Batch	T5_100_leaves	T5_100_leaves Lab-Dup	QC Batch	T5_100_lichen	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	0.07	9992755	<0.01	<0.01	9993709	0.02	0.01	9992755

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		ATWW52	ATWW53	ATWW54		ATWW55		
Sampling Date		2025/08/04	2025/08/04	2025/08/04		2025/07/26		
COC Number		1030632	1030632	1030632		1030632		
	UNITS	T5_10000_berries	T5_10000_leaves	T5_10000_lichen	QC Batch	T5_2000_berries	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	<0.01	0.09	9992753	<0.01	0.01	9992755

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		ATWW56	ATWW57		ATWW58		ATWW59		
Sampling Date		2025/07/26	2025/07/26		2025/07/26		2025/07/26		
COC Number		1030632	1030632		1030632		1030632		
	UNITS	T5_2000_leaves	T5_2000_lichen	QC Batch	T5_250_berries	QC Batch	T5_250_leaves	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	0.05	9992755	<0.01	9992753	<0.01	0.01	9992755

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ATWW60	ATWW60		ATWW62		ATWW63		
Sampling Date		2025/07/26	2025/07/26		2025/07/26		2025/07/26		
COC Number		1030632	1030632		1030632		1030632		
	UNITS	T5_250_lichen	T5_250_lichen Lab-Dup	QC Batch	T5_50_leaves	QC Batch	T5_50_lichen	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	0.04	0.05	9992753	<0.01	9992755	0.02	0.01	9992753

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		AUDT30		AUDT31	AUDT32		
Sampling Date		2025/07/27		2025/07/27	2025/07/27		
COC Number		1030632		1030632	1030632		
	UNITS	T1_10000_BERRIES	QC Batch	T1_10000_LEAVES	T1_10000_LICHEN	RDL	QC Batch
Metals							
Mercury (Hg)	ug/g	<0.01	A001858	<0.01	0.04	0.01	A001859

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDT33	AUDT34		AUDT35	AUDT36		
Sampling Date		2025/07/30	2025/07/30		2025/07/30	2025/07/30		
COC Number		1030632	1030632		1030632	1030632		
	UNITS	T1_2000_BERRIES	T1_2000_LEAVES	QC Batch	T1_2000_LICHEN	T1_250_BERRIES	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	<0.01	A000986	0.05	<0.01	0.01	A001867

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		AUDT37		AUDT38		AUDT40		AUDT41		
Sampling Date		2025/07/30		2025/07/30		2025/07/30		2025/07/30		
COC Number		1030632		1030632		1030632		1030632		
	UNITS	T1_250_LEAVES	QC Batch	T1_250_LICHEN	QC Batch	T1_50_LEAVES	QC Batch	T1_50_LICHEN	RDL	QC Batch
Metals										
Mercury (Hg)	ug/g	<0.01	A000986	0.09	A001859	<0.01	A000986	0.06	0.01	A001867

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDT42	AUDT43	AUDT44		AUDT47		
Sampling Date		2025/08/03	2025/08/03	2025/08/03		2025/07/31		
COC Number		1030632	1030632	1030632		1030632		
	UNITS	T2_10000_BERRIES	T2_10000_LEAVES	T2_10000_LICHEN	QC Batch	T2_50_BERRIES	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	<0.01	0.07	A001858	<0.01	0.01	A001859

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDT47		AUDT48		AUDT49		
Sampling Date		2025/07/31		2025/07/31		2025/07/31		
COC Number		1030632		1030632		1030632		
	UNITS	T2_50_BERRIES Lab-Dup	QC Batch	T2_50_LEAVES	QC Batch	T2_50_LICHEN	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	A001859	<0.01	A001861	0.05	0.01	A000986

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		AUDT50		AUDT51	AUDT52		AUDT53		
Sampling Date		2025/07/31		2025/07/31	2025/07/31		2025/07/25		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T2_500_BERRIES	QC Batch	T2_500_LEAVES	T2_500_LICHEN	QC Batch	T2_5000_BERRIES	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	A001858	<0.01	0.06	A000986	<0.01	0.01	A001859

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C597056
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Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		AUDT54		AUDT55	AUDT56		AUDT57		
Sampling Date		2025/07/25		2025/07/25	2025/08/02		2025/08/02		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T2_5000_LEAVES	QC Batch	T2_5000_LICHEN	T3_100_BERRRIES	QC Batch	T3_100_LEAVES	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	A001861	0.07	<0.01	A001858	<0.01	0.01	A000986

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDT58		AUDT59		AUDT60	AUDT61		
Sampling Date		2025/08/02		2025/08/01		2025/08/01	2025/08/01		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T3_100_LICHEN	QC Batch	T3_2000_BERRIES	QC Batch	T3_2000_LEAVES	T3_2000_LICHEN	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	0.07	A001859	<0.01	A000986	<0.01	0.05	0.01	A001861

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDT61		AUDT62		AUDT63	AUDT64		
Sampling Date		2025/08/01		2025/08/02		2025/08/02	2025/08/02		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T3_2000_LICHEN Lab-Dup	QC Batch	T3_250_BERRIES	QC Batch	T3_250_LEAVES	T3_250_LICHEN	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	0.06	A001861	<0.01	A001859	<0.01	0.05	0.01	A001861

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		AUDT65	AUDT66		AUDT67		AUDT68		
Sampling Date		2025/08/02	2025/08/02		2025/08/02		2025/08/02		
COC Number		1030632	1030632		1030632		1030632		
	UNITS	T3_50_BERRIES	T3_50_LEAVES	QC Batch	T3_50_LICHEN	QC Batch	T3_500_BERRIES	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	<0.01	A001861	0.06	A001858	<0.01	0.01	A000986

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Agnico-Eagle
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Sampler Initials: SS

ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		AUDT69	AUDT70		AUDT71		AUDT72		
Sampling Date		2025/08/02	2025/08/02		2025/08/01		2025/08/01		
COC Number		1030632	1030632		1030632		1030632		
	UNITS	T3_500_LEAVES	T3_500_LICHEN	QC Batch	T3_5120_BERRIES	QC Batch	T3_5120_LEAVES	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	0.05	A001859	<0.01	A000986	<0.01	0.01	A001859

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDT73	AUDT73	AUDT75		AUDT76		
Sampling Date		2025/08/01	2025/08/01	2025/07/24		2025/07/24		
COC Number		1030632	1030632	1030632		1030632		
	UNITS	T3_5120_LICHEN	T3_5120_LICHEN Lab-Dup	T4_100_LEAVES	QC Batch	T4_100_LICHEN	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	0.04	0.04	<0.01	A001867	0.06	0.01	A000986

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		AUDT77		AUDT78		AUDT79	AUDT79		
Sampling Date		2025/07/24		2025/07/24		2025/07/24	2025/07/24		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T4_1000_BERRIES	QC Batch	T4_1000_LEAVES	QC Batch	T4_1000_LICHEN	T4_1000_LICHEN Lab-Dup	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	A001858	<0.01	A001859	0.04	0.04	0.01	A000986

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		AUDT81		AUDT82	AUDT83	AUDT84		
Sampling Date		2025/07/27		2025/07/27	2025/07/24	2025/07/24		
COC Number		1030632		1030632	1030632	1030632		
	UNITS	T4_10850_LEAVES	QC Batch	T4_10850_LICHEN	T4_2000_BERRIES	T4_2000_LEAVES	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	A001861	0.03	<0.01	<0.01	0.01	A001859

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597056
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Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		AUDT85		AUDT86		AUDT87		
Sampling Date		2025/07/24		2025/07/24		2025/07/24		
COC Number		1030632		1030632		1030632		
	UNITS	T4_2000_LICHEN	QC Batch	T4_250_BERRIES	QC Batch	T4_250_LEAVES	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	0.03	A001861	<0.01	A001867	<0.01	0.01	A001861

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDT88		AUDT89		AUDT90	AUDT91		
Sampling Date		2025/07/24		2025/07/24		2025/07/24	2025/07/24		
COC Number		1030632		1030632		1030632	1030632		
	UNITS	T4_250_LICHEN	QC Batch	T4_50_BERRIES	QC Batch	T4_50_LEAVES	T4_50_LICHEN	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	0.11	A001859	<0.01	A000986	<0.01	0.07	0.01	A001858

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDT92		AUDT93		AUDT94		
Sampling Date		2025/07/24		2025/07/24		2025/07/24		
COC Number		1030632		1030632		1030632		
	UNITS	T4_500_BERRIES	QC Batch	T4_500_LEAVES	QC Batch	T4_500_ LICHEN	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	A001861	<0.01	A000986	0.09	0.01	A001859

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDT95		AUDT96		AUDT97		
Sampling Date		2025/07/24		2025/07/24		2025/07/24		
COC Number		1030632		1030632		1030632		
	UNITS	T4_5000_BERRIES	QC Batch	T4_5000_LEAVES	QC Batch	T4_5000_LICHEN	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	A001867	<0.01	A001861	0.05	0.01	A001859

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Sampler Initials: SS

ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		AUDU00		AUDU01	AUDU02		AUDU03		
Sampling Date		2025/07/26		2025/07/26	2025/07/26		2025/07/26		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T5_500_BERRIES	QC Batch	T5_500_LEAVES	T5_500_LICHEN	QC Batch	T5_5000_BERRIES	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	A001858	<0.01	0.02	A001861	<0.01	0.01	A001858

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDU04		AUDU05	AUDU06		AUDU07		
Sampling Date		2025/07/26		2025/07/26	2025/07/25		2025/07/25		
COC Number		1030632		1030632	1030632		1030632		
	UNITS	T5_5000_LEAVES	QC Batch	T5_5000_LICHEN	T6_100_BERRIES	QC Batch	T6_100_LEAVES	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	A000986	0.05	<0.01	A001858	<0.01	0.01	A001861

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDU08	AUDU09		AUDU10		AUDU11		
Sampling Date		2025/07/25	2025/07/25		2025/07/25		2025/07/25		
COC Number		1030632	1030632		1030632		1030632		
	UNITS	T6_100_LICHEN	T6_1000_BERRIES	QC Batch	T6_1000_LEAVES	QC Batch	T6_1000_LICHEN	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	0.07	<0.01	A001861	<0.01	A001859	0.09	0.01	A001858

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDU12	AUDU12		AUDU13	AUDU14		
Sampling Date		2025/07/27	2025/07/27		2025/07/27	2025/07/27		
COC Number		1030632	1030632		1030632	1030632		
	UNITS	T6_10000_BERRIES	T6_10000_BERRIES Lab-Dup	QC Batch	T6_10000_LEAVES	T6-10000_LICHEN	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	<0.01	A001858	<0.01	0.03	0.01	A000986

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
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ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		AUDU15		AUDU16		AUDU17		
Sampling Date		2025/07/25		2025/07/25		2025/07/25		
COC Number		1030632		1030632		1030632		
	UNITS	T6_2000_BERRIES	QC Batch	T6_2000_LEAVES	QC Batch	T6_2000_LICHEN	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	A001858	<0.01	A000986	0.05	0.01	A001858

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDU18		AUDU19		AUDU20		
Sampling Date		2025/07/25		2025/07/25		2025/07/25		
COC Number		1030632		1030632		1030632		
	UNITS	T6_250_BERRIES	QC Batch	T6_250_LEAVES	QC Batch	T6_250_LICHEN	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	A001861	<0.01	A000986	0.07	0.01	A001858

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDU21		AUDU40		AUDU41		
Sampling Date		2025/07/25		2025/07/25		2025/07/25		
COC Number		1030632		1030632		1030632		
	UNITS	T6_50_BERRIES	QC Batch	T6_50_LEAVES	QC Batch	T6_50_LICHEN	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	A001859	<0.01	A001861	0.07	0.01	A001859

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Agnico-Eagle
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Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW00 **Collected:** 2025/07/30
Sample ID: T1_100_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989679	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/15	Sreena Thekkoot

Bureau Veritas ID: ATWW01 **Collected:** 2025/07/30
Sample ID: T1_1000_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989679	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW02 **Collected:** 2025/07/30
Sample ID: T1_5000_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9991308	2025/08/18	2025/08/18	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/15	Sreena Thekkoot

Bureau Veritas ID: ATWW03 **Collected:** 2025/07/30
Sample ID: T1_700_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9990614	2025/08/15	2025/08/16	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW04 **Collected:** 2025/07/31
Sample ID: T2_100_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9991308	2025/08/18	2025/08/18	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW05 **Collected:** 2025/07/31
Sample ID: T2_1000_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989679	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/15	Sreena Thekkoot

TEST SUMMARY

Bureau Veritas ID: ATWW06 **Collected:** 2025/07/31
Sample ID: T2_1960_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9990614	2025/08/15	2025/08/16	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW07 **Collected:** 2025/07/31
Sample ID: T2_250_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9990614	2025/08/15	2025/08/16	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW08 **Collected:** 2025/08/01
Sample ID: T3_1000_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989703	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/15	Sreena Thekkoot

Bureau Veritas ID: ATWW09 **Collected:** 2025/08/03
Sample ID: T3_10000_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989679	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW10 **Collected:** 2025/08/04
Sample ID: T5_10000_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9990614	2025/08/15	2025/08/16	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW11 **Collected:** 2025/07/26
Sample ID: T5_2000_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9990614	2025/08/15	2025/08/16	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/15	Sreena Thekkoot

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Agnico-Eagle
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Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW12 **Collected:** 2025/07/26
Sample ID: T5_250_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9991308	2025/08/18	2025/08/18	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/15	Sreena Thekkoot

Bureau Veritas ID: ATWW13 **Collected:** 2025/07/26
Sample ID: T5_50_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9990614	2025/08/15	2025/08/16	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW14 **Collected:** 2025/08/04
Sample ID: T7_1000_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9991308	2025/08/18	2025/08/18	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/15	Sreena Thekkoot

Bureau Veritas ID: ATWW15 **Collected:** 2025/08/04
Sample ID: T7_2000_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989703	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW16 **Collected:** 2025/08/04
Sample ID: T7_250_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989703	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW17 **Collected:** 2025/08/04
Sample ID: T7_500_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9990614	2025/08/15	2025/08/16	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/14	Sreena Thekkoot

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Agnico-Eagle
Client Project #: OL-1381216
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Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW18 **Collected:** 2025/07/24
Sample ID: DUP1_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989679	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW19 **Collected:** 2025/07/24
Sample ID: DUP2_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9991308	2025/08/18	2025/08/18	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989570	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: ATWW20 **Collected:** 2025/07/25
Sample ID: DUP3_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989703	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/15	Sreena Thekkoot

Bureau Veritas ID: ATWW21 **Collected:** 2025/07/25
Sample ID: DUP4_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9991308	2025/08/18	2025/08/18	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/15	Sreena Thekkoot

Bureau Veritas ID: ATWW22 **Collected:** 2025/07/30
Sample ID: DUP5_soil **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989703	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/15	Sreena Thekkoot

Bureau Veritas ID: ATWW23 **Collected:** 2025/07/30
Sample ID: T1_100_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW24 **Collected:** 2025/07/30
Sample ID: T1_100_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9993709	2025/08/20	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW25 **Collected:** 2025/07/30
Sample ID: T1_1000_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW26 **Collected:** 2025/07/30
Sample ID: T1_1000_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW27 **Collected:** 2025/07/30
Sample ID: T1_1000_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW28 **Collected:** 2025/07/30
Sample ID: T1_5000_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW29 **Collected:** 2025/07/30
Sample ID: T1_5000_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW30 **Collected:** 2025/07/30
Sample ID: T1_5000_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW31 **Collected:** 2025/07/30
Sample ID: T1_700_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW32 **Collected:** 2025/07/30
Sample ID: T1_700_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW33 **Collected:** 2025/07/30
Sample ID: T1_700_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW34 **Collected:** 2025/07/31
Sample ID: T2_100_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW35 **Collected:** 2025/07/31
Sample ID: T2_100_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW36 **Collected:** 2025/07/31
Sample ID: T2_100_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/21	Prempal Bhatti

Bureau Veritas ID: ATWW37 **Collected:** 2025/07/31
Sample ID: T2_1000_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW38 **Collected:** 2025/07/31
Sample ID: T2_1000_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW39 **Collected:** 2025/07/31
Sample ID: T2_1000_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW40 **Collected:** 2025/07/31
Sample ID: T2_1960_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW40 Dup **Collected:** 2025/07/31
Sample ID: T2_1960_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW41 **Collected:** 2025/07/31
Sample ID: T2_1960_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW42 **Collected:** 2025/07/31
Sample ID: T2_1960_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW43 **Collected:** 2025/07/31
Sample ID: T2_250_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW44 **Collected:** 2025/08/01
Sample ID: T3_1000_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW45 **Collected:** 2025/08/01
Sample ID: T3_1000_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW46 **Collected:** 2025/08/01
Sample ID: T3_1000_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW47 **Collected:** 2025/08/03
Sample ID: T3_10000_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW48 **Collected:** 2025/08/03
Sample ID: T3_10000_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW49 **Collected:** 2025/08/03
Sample ID: T3_10000_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW50 **Collected:** 2025/07/26
Sample ID: T5_100_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9993709	2025/08/20	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: ATWW50 Dup **Collected:** 2025/07/26
Sample ID: T5_100_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9993709	2025/08/20	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: ATWW51 **Collected:** 2025/07/26
Sample ID: T5_100_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW52 **Collected:** 2025/08/04
Sample ID: T5_10000_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW53 **Collected:** 2025/08/04
Sample ID: T5_10000_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: ATWW54 **Collected:** 2025/08/04
Sample ID: T5_10000_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW55 **Collected:** 2025/07/26
Sample ID: T5_2000_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW56 **Collected:** 2025/07/26
Sample ID: T5_2000_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW57 **Collected:** 2025/07/26
Sample ID: T5_2000_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW58
Sample ID: T5_250_berries
Matrix: Tissue
Collected: 2025/07/26
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW59
Sample ID: T5_250_leaves
Matrix: Tissue
Collected: 2025/07/26
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW60
Sample ID: T5_250_lichen
Matrix: Tissue
Collected: 2025/07/26
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: ATWW60 Dup
Sample ID: T5_250_lichen
Matrix: Tissue
Collected: 2025/07/26
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL

Bureau Veritas ID: ATWW62
Sample ID: T5_50_leaves
Matrix: Tissue
Collected: 2025/07/26
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW63
Sample ID: T5_50_lichen
Matrix: Tissue
Collected: 2025/07/26
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992753	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

TEST SUMMARY

Bureau Veritas ID: ATWW64 **Collected:** 2025/07/30
Sample ID: T5_100_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9989679	2025/08/14	2025/08/14	Azita Fazaeli
pH CaCl2 EXTRACT	AT	9989745	2025/08/14	2025/08/14	Sreena Thekkoot

Bureau Veritas ID: AUDS50 **Collected:** 2025/07/27
Sample ID: T1_10000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDS51 **Collected:** 2025/07/30
Sample ID: T1_2000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDS52 **Collected:** 2025/07/30
Sample ID: T1_250_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDS53 **Collected:** 2025/07/30
Sample ID: T1_50_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/22	Nachiketa Gohil

Bureau Veritas ID: AUDS85 **Collected:** 2025/08/03
Sample ID: T2_10000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996588	2025/08/25	2025/08/25	Viviana Canzonieri
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

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TEST SUMMARY

Bureau Veritas ID: AUDS85 Dup
Sample ID: T2_10000_SOIL
Matrix: Soil
Collected: 2025/08/03
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDS97
Sample ID: T2_50_SOIL
Matrix: Soil
Collected: 2025/07/31
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDS98
Sample ID: T2_500_SOIL
Matrix: Soil
Collected: 2025/07/31
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDS99
Sample ID: T2_5000_SOIL
Matrix: Soil
Collected: 2025/07/25
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9994608	2025/08/21	2025/08/22	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT00
Sample ID: T3_100_SOIL
Matrix: Soil
Collected: 2025/08/02
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT01
Sample ID: T3_2000_SOIL
Matrix: Soil
Collected: 2025/08/01
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9995247	2025/08/22	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/22	Nachiketa Gohil

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDT02 **Collected:** 2025/08/02
Sample ID: T3_250_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9997810	2025/08/26	2025/08/26	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDT03 **Collected:** 2025/08/02
Sample ID: T3_50_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9994608	2025/08/21	2025/08/22	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT04 **Collected:** 2025/08/02
Sample ID: T3_500_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDT05 **Collected:** 2025/08/01
Sample ID: T3_5120_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT06 **Collected:** 2025/07/24
Sample ID: T4_100_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT07 **Collected:** 2025/07/24
Sample ID: T4_1000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

TEST SUMMARY

Bureau Veritas ID: AUDT08 **Collected:** 2025/07/27
Sample ID: T4_10850_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9994608	2025/08/21	2025/08/22	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT09 **Collected:** 2025/07/24
Sample ID: T4_2000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT10 **Collected:** 2025/07/24
Sample ID: T4_250_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9995247	2025/08/22	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDT11 **Collected:** 2025/07/24
Sample ID: T4_50_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996588	2025/08/25	2025/08/25	Viviana Canzonieri
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDT12 **Collected:** 2025/07/24
Sample ID: T4_500_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/22	Nachiketa Gohil

Bureau Veritas ID: AUDT13 **Collected:** 2025/07/24
Sample ID: T4_5000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9995247	2025/08/22	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

TEST SUMMARY

Bureau Veritas ID: AUDT14 **Collected:** 2025/07/26
Sample ID: T5_500_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996034	2025/08/23	2025/08/23	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDT15 **Collected:** 2025/07/26
Sample ID: T5_5000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	A002487	2025/09/03	2025/09/03	Daniel Teclu
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDT16 **Collected:** 2025/07/25
Sample ID: T6_100_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9994608	2025/08/21	2025/08/22	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT17 **Collected:** 2025/07/25
Sample ID: T6_1000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9997810	2025/08/26	2025/08/26	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDT18 **Collected:** 2025/07/27
Sample ID: T6_10000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9994608	2025/08/21	2025/08/22	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT19 **Collected:** 2025/07/25
Sample ID: T6_2000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9994608	2025/08/21	2025/08/22	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

TEST SUMMARY

Bureau Veritas ID: AUDT20 **Collected:** 2025/07/25
Sample ID: T6_250_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9994608	2025/08/21	2025/08/22	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT21 **Collected:** 2025/07/25
Sample ID: T6_50_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9997810	2025/08/26	2025/08/26	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDT23 **Collected:** 2025/07/25
Sample ID: T6_500_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9994608	2025/08/21	2025/08/22	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT24 **Collected:** 2025/07/25
Sample ID: T6_5000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9994608	2025/08/21	2025/08/22	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT25 **Collected:** 2025/08/04
Sample ID: T7_100_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9997810	2025/08/26	2025/08/26	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDT26 **Collected:** 2025/08/03
Sample ID: T7_10000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9996588	2025/08/25	2025/08/25	Viviana Canzonieri
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDT27 **Collected:** 2025/08/04
Sample ID: T7_50_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9997810	2025/08/26	2025/08/26	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994534	2025/08/21	2025/08/21	Nachiketa Gohil

Bureau Veritas ID: AUDT28 **Collected:** 2025/08/01
Sample ID: T7_5000_SOIL **Shipped:**
Matrix: Soil **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9994608	2025/08/21	2025/08/22	Gagandeep Rai
pH CaCl2 EXTRACT	AT	9994560	2025/08/21	2025/08/22	Gurparteek KAUR

Bureau Veritas ID: AUDT30 **Collected:** 2025/07/27
Sample ID: T1_10000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT31 **Collected:** 2025/07/27
Sample ID: T1_10000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT32 **Collected:** 2025/07/27
Sample ID: T1_10000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT33 **Collected:** 2025/07/30
Sample ID: T1_2000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

TEST SUMMARY

Bureau Veritas ID: AUDT34 **Collected:** 2025/07/30
Sample ID: T1_2000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT35 **Collected:** 2025/07/30
Sample ID: T1_2000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001867	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001865	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT36 **Collected:** 2025/07/30
Sample ID: T1_250_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001867	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001865	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT37 **Collected:** 2025/07/30
Sample ID: T1_250_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT38 **Collected:** 2025/07/30
Sample ID: T1_250_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT40 **Collected:** 2025/07/30
Sample ID: T1_50_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDT41 **Collected:** 2025/07/30
Sample ID: T1_50_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001867	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001865	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT42 **Collected:** 2025/08/03
Sample ID: T2_10000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT43 **Collected:** 2025/08/03
Sample ID: T2_10000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001865	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT44 **Collected:** 2025/08/03
Sample ID: T2_10000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT47 **Collected:** 2025/07/31
Sample ID: T2_50_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT47 Dup **Collected:** 2025/07/31
Sample ID: T2_50_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDT48 **Collected:** 2025/07/31
Sample ID: T2_50_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT49 **Collected:** 2025/07/31
Sample ID: T2_50_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT50 **Collected:** 2025/07/31
Sample ID: T2_500_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT51 **Collected:** 2025/07/31
Sample ID: T2_500_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT52 **Collected:** 2025/07/31
Sample ID: T2_500_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT53 **Collected:** 2025/07/25
Sample ID: T2_5000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

TEST SUMMARY

Bureau Veritas ID: AUDT54 **Collected:** 2025/07/25
Sample ID: T2_5000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT55 **Collected:** 2025/07/25
Sample ID: T2_5000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT56 **Collected:** 2025/08/02
Sample ID: T3_100_BERRRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT57 **Collected:** 2025/08/02
Sample ID: T3_100_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT58 **Collected:** 2025/08/02
Sample ID: T3_100_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT59 **Collected:** 2025/08/01
Sample ID: T3_2000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDT60 **Collected:** 2025/08/01
Sample ID: T3_2000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT61 **Collected:** 2025/08/01
Sample ID: T3_2000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT61 Dup **Collected:** 2025/08/01
Sample ID: T3_2000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT62 **Collected:** 2025/08/02
Sample ID: T3_250_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT63 **Collected:** 2025/08/02
Sample ID: T3_250_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT64 **Collected:** 2025/08/02
Sample ID: T3_250_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

TEST SUMMARY

Bureau Veritas ID: AUDT65 **Collected:** 2025/08/02
Sample ID: T3_50_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT66 **Collected:** 2025/08/02
Sample ID: T3_50_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT67 **Collected:** 2025/08/02
Sample ID: T3_50_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT68 **Collected:** 2025/08/02
Sample ID: T3_500_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT69 **Collected:** 2025/08/02
Sample ID: T3_500_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001463	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT70 **Collected:** 2025/08/02
Sample ID: T3_500_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDT71 **Collected:** 2025/08/01
Sample ID: T3_5120_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT72 **Collected:** 2025/08/01
Sample ID: T3_5120_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT73 **Collected:** 2025/08/01
Sample ID: T3_5120_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001867	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001865	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT73 Dup **Collected:** 2025/08/01
Sample ID: T3_5120_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001867	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001865	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT75 **Collected:** 2025/07/24
Sample ID: T4_100_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001867	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT76 **Collected:** 2025/07/24
Sample ID: T4_100_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

TEST SUMMARY

Bureau Veritas ID: AUDT77 **Collected:** 2025/07/24
Sample ID: T4_1000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001865	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT78 **Collected:** 2025/07/24
Sample ID: T4_1000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT79 **Collected:** 2025/07/24
Sample ID: T4_1000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT79 Dup **Collected:** 2025/07/24
Sample ID: T4_1000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT81 **Collected:** 2025/07/27
Sample ID: T4_10850_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT82 **Collected:** 2025/07/27
Sample ID: T4_10850_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDT83 **Collected:** 2025/07/24
Sample ID: T4_2000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT84 **Collected:** 2025/07/24
Sample ID: T4_2000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT85 **Collected:** 2025/07/24
Sample ID: T4_2000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT86 **Collected:** 2025/07/24
Sample ID: T4_250_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001867	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001865	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT87 **Collected:** 2025/07/24
Sample ID: T4_250_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/04	Indira HarryPaul

Bureau Veritas ID: AUDT88 **Collected:** 2025/07/24
Sample ID: T4_250_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDT89 **Collected:** 2025/07/24
Sample ID: T4_50_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT90 **Collected:** 2025/07/24
Sample ID: T4_50_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001865	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT91 **Collected:** 2025/07/24
Sample ID: T4_50_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT92 **Collected:** 2025/07/24
Sample ID: T4_500_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT93 **Collected:** 2025/07/24
Sample ID: T4_500_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDT94 **Collected:** 2025/07/24
Sample ID: T4_500_ LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

TEST SUMMARY

Bureau Veritas ID: AUDT95 **Collected:** 2025/07/24
Sample ID: T4_5000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001867	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001865	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT96 **Collected:** 2025/07/24
Sample ID: T4_5000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDT97 **Collected:** 2025/07/24
Sample ID: T4_5000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU00 **Collected:** 2025/07/26
Sample ID: T5_500_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU01 **Collected:** 2025/07/26
Sample ID: T5_500_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDU02 **Collected:** 2025/07/26
Sample ID: T5_500_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDU03 **Collected:** 2025/07/26
Sample ID: T5_5000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU04 **Collected:** 2025/07/26
Sample ID: T5_5000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU05 **Collected:** 2025/07/26
Sample ID: T5_5000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU06 **Collected:** 2025/07/25
Sample ID: T6_100_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU07 **Collected:** 2025/07/25
Sample ID: T6_100_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDU08 **Collected:** 2025/07/25
Sample ID: T6_100_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDU09 **Collected:** 2025/07/25
Sample ID: T6_1000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDU10 **Collected:** 2025/07/25
Sample ID: T6_1000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU11 **Collected:** 2025/07/25
Sample ID: T6_1000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU12 **Collected:** 2025/07/27
Sample ID: T6_10000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU12 Dup **Collected:** 2025/07/27
Sample ID: T6_10000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU13 **Collected:** 2025/07/27
Sample ID: T6_10000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDU14 **Collected:** 2025/07/27
Sample ID: T6-10000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU15 **Collected:** 2025/07/25
Sample ID: T6_2000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU16 **Collected:** 2025/07/25
Sample ID: T6_2000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU17 **Collected:** 2025/07/25
Sample ID: T6_2000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU18 **Collected:** 2025/07/25
Sample ID: T6_250_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDU19 **Collected:** 2025/07/25
Sample ID: T6_250_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A000986	2025/08/30	2025/09/03	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001436	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDU20
Sample ID: T6_250_LICHEN
Matrix: Tissue

Collected: 2025/07/25
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001858	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001863	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU21
Sample ID: T6_50_BERRIES
Matrix: Tissue

Collected: 2025/07/25
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas ID: AUDU40
Sample ID: T6_50_LEAVES
Matrix: Tissue

Collected: 2025/07/25
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001861	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001434	N/A	2025/09/03	Indira HarryPaul

Bureau Veritas ID: AUDU41
Sample ID: T6_50_LICHEN
Matrix: Tissue

Collected: 2025/07/25
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	A001859	2025/09/02	2025/09/04	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	A001462	N/A	2025/09/03	Prempal Bhatti

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	20.3°C

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

QUALITY ASSURANCE REPORT

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9989570	Available (CaCl2) pH	2025/08/14			101	97 - 103			2.2	N/A		
9989679	Acid Extractable Antimony (Sb)	2025/08/14	90	75 - 125	98	80 - 120	<0.20	ug/g	NC	30		
9989679	Acid Extractable Arsenic (As)	2025/08/14	98	75 - 125	97	80 - 120	<1.0	ug/g	NC	30		
9989679	Acid Extractable Barium (Ba)	2025/08/14	NC	75 - 125	99	80 - 120	<0.50	ug/g	1.0	30		
9989679	Acid Extractable Beryllium (Be)	2025/08/14	95	75 - 125	94	80 - 120	<0.20	ug/g	2.3	30		
9989679	Acid Extractable Boron (B)	2025/08/14	90	75 - 125	91	80 - 120	<5.0	ug/g	NC	30		
9989679	Acid Extractable Cadmium (Cd)	2025/08/14	95	75 - 125	96	80 - 120	<0.10	ug/g	6.0	30		
9989679	Acid Extractable Chromium (Cr)	2025/08/14	95	75 - 125	96	80 - 120	<1.0	ug/g	0.045	30		
9989679	Acid Extractable Cobalt (Co)	2025/08/14	96	75 - 125	95	80 - 120	<0.10	ug/g	1.2	30		
9989679	Acid Extractable Copper (Cu)	2025/08/14	94	75 - 125	97	80 - 120	<0.50	ug/g	0.31	30		
9989679	Acid Extractable Lead (Pb)	2025/08/14	93	75 - 125	96	80 - 120	<1.0	ug/g	0.41	30		
9989679	Acid Extractable Mercury (Hg)	2025/08/14	92	75 - 125	96	80 - 120	<0.050	ug/g				
9989679	Acid Extractable Molybdenum (Mo)	2025/08/14	93	75 - 125	93	80 - 120	<0.50	ug/g	NC	30		
9989679	Acid Extractable Nickel (Ni)	2025/08/14	97	75 - 125	97	80 - 120	<0.50	ug/g	4.5	30		
9989679	Acid Extractable Selenium (Se)	2025/08/14	96	75 - 125	97	80 - 120	<0.50	ug/g	NC	30		
9989679	Acid Extractable Silver (Ag)	2025/08/14	95	75 - 125	97	80 - 120	<0.20	ug/g	NC	30		
9989679	Acid Extractable Thallium (Tl)	2025/08/14	95	75 - 125	98	80 - 120	<0.050	ug/g	13	30		
9989679	Acid Extractable Uranium (U)	2025/08/14	96	75 - 125	98	80 - 120	<0.050	ug/g	2.3	30		
9989679	Acid Extractable Vanadium (V)	2025/08/14	NC	75 - 125	94	80 - 120	<5.0	ug/g	2.4	30		
9989679	Acid Extractable Zinc (Zn)	2025/08/14	NC	75 - 125	96	80 - 120	<5.0	ug/g	3.2	30		
9989703	Acid Extractable Antimony (Sb)	2025/08/14	88	75 - 125	102	80 - 120	<0.20	ug/g	26	30		
9989703	Acid Extractable Arsenic (As)	2025/08/14	96	75 - 125	100	80 - 120	<1.0	ug/g	10	30		
9989703	Acid Extractable Barium (Ba)	2025/08/14	NC	75 - 125	100	80 - 120	<0.50	ug/g	0.79	30		
9989703	Acid Extractable Beryllium (Be)	2025/08/14	98	75 - 125	100	80 - 120	<0.20	ug/g	5.2	30		
9989703	Acid Extractable Boron (B)	2025/08/14	87	75 - 125	96	80 - 120	<5.0	ug/g	5.8	30		
9989703	Acid Extractable Cadmium (Cd)	2025/08/14	96	75 - 125	99	80 - 120	<0.10	ug/g	21	30		
9989703	Acid Extractable Chromium (Cr)	2025/08/14	NC	75 - 125	100	80 - 120	<1.0	ug/g	4.4	30		
9989703	Acid Extractable Cobalt (Co)	2025/08/14	95	75 - 125	99	80 - 120	<0.10	ug/g	6.5	30		
9989703	Acid Extractable Copper (Cu)	2025/08/14	NC	75 - 125	99	80 - 120	<0.50	ug/g	5.2	30		
9989703	Acid Extractable Lead (Pb)	2025/08/14	NC	75 - 125	100	80 - 120	<1.0	ug/g	6.2	30		
9989703	Acid Extractable Mercury (Hg)	2025/08/14	99	75 - 125	100	80 - 120	<0.050	ug/g	2.6	30		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9989703	Acid Extractable Molybdenum (Mo)	2025/08/14	94	75 - 125	96	80 - 120	<0.50	ug/g	11	30		
9989703	Acid Extractable Nickel (Ni)	2025/08/14	NC	75 - 125	99	80 - 120	<0.50	ug/g	3.8	30		
9989703	Acid Extractable Selenium (Se)	2025/08/14	97	75 - 125	100	80 - 120	<0.50	ug/g	1.3	30		
9989703	Acid Extractable Silver (Ag)	2025/08/14	94	75 - 125	99	80 - 120	<0.20	ug/g	NC	30		
9989703	Acid Extractable Thallium (Tl)	2025/08/14	84	75 - 125	101	80 - 120	<0.050	ug/g	2.0	30		
9989703	Acid Extractable Uranium (U)	2025/08/14	98	75 - 125	102	80 - 120	<0.050	ug/g	0.89	30		
9989703	Acid Extractable Vanadium (V)	2025/08/14	NC	75 - 125	99	80 - 120	<5.0	ug/g	4.2	30		
9989703	Acid Extractable Zinc (Zn)	2025/08/14	NC	75 - 125	99	80 - 120	<5.0	ug/g	0.13	30		
9989745	Available (CaCl2) pH	2025/08/14			100	97 - 103			0.035	N/A		
9990614	Acid Extractable Antimony (Sb)	2025/08/16	98	75 - 125	100	80 - 120	<0.20	ug/g				
9990614	Acid Extractable Arsenic (As)	2025/08/16	99	75 - 125	99	80 - 120	<1.0	ug/g				
9990614	Acid Extractable Barium (Ba)	2025/08/16	NC	75 - 125	93	80 - 120	<0.50	ug/g	2.6	30		
9990614	Acid Extractable Beryllium (Be)	2025/08/16	101	75 - 125	97	80 - 120	<0.20	ug/g	3.3	30		
9990614	Acid Extractable Boron (B)	2025/08/16	95	75 - 125	96	80 - 120	<5.0	ug/g	NC	30		
9990614	Acid Extractable Cadmium (Cd)	2025/08/16	101	75 - 125	98	80 - 120	<0.10	ug/g	3.8	30		
9990614	Acid Extractable Chromium (Cr)	2025/08/16	95	75 - 125	96	80 - 120	<1.0	ug/g	2.8	30		
9990614	Acid Extractable Cobalt (Co)	2025/08/16	96	75 - 125	98	80 - 120	<0.10	ug/g	3.3	30		
9990614	Acid Extractable Copper (Cu)	2025/08/16	97	75 - 125	98	80 - 120	<0.50	ug/g	3.6	30		
9990614	Acid Extractable Lead (Pb)	2025/08/16	91	75 - 125	92	80 - 120	<1.0	ug/g	6.7	30		
9990614	Acid Extractable Mercury (Hg)	2025/08/16	90	75 - 125	92	80 - 120	<0.050	ug/g	NC	30		
9990614	Acid Extractable Molybdenum (Mo)	2025/08/16	97	75 - 125	92	80 - 120	<0.50	ug/g	NC	30		
9990614	Acid Extractable Nickel (Ni)	2025/08/16	97	75 - 125	97	80 - 120	<0.50	ug/g	7.1	30		
9990614	Acid Extractable Selenium (Se)	2025/08/16	100	75 - 125	102	80 - 120	<0.50	ug/g				
9990614	Acid Extractable Silver (Ag)	2025/08/16	98	75 - 125	95	80 - 120	<0.20	ug/g	NC	30		
9990614	Acid Extractable Thallium (Tl)	2025/08/16	92	75 - 125	94	80 - 120	<0.050	ug/g	17	30		
9990614	Acid Extractable Uranium (U)	2025/08/16	92	75 - 125	92	80 - 120	<0.050	ug/g	0.68	30		
9990614	Acid Extractable Vanadium (V)	2025/08/16	92	75 - 125	96	80 - 120	<5.0	ug/g	0.90	30		
9990614	Acid Extractable Zinc (Zn)	2025/08/16	95	75 - 125	98	80 - 120	<5.0	ug/g	4.7	30		
9991308	Acid Extractable Antimony (Sb)	2025/08/18	101	75 - 125	107	80 - 120	<0.20	ug/g	18	30		
9991308	Acid Extractable Arsenic (As)	2025/08/18	108	75 - 125	97	80 - 120	<1.0	ug/g	14	30		
9991308	Acid Extractable Barium (Ba)	2025/08/18	NC	75 - 125	100	80 - 120	<0.50	ug/g	6.1	30		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9991308	Acid Extractable Beryllium (Be)	2025/08/18	107	75 - 125	103	80 - 120	<0.20	ug/g	1.8	30		
9991308	Acid Extractable Boron (B)	2025/08/18	103	75 - 125	94	80 - 120	<5.0	ug/g	10	30		
9991308	Acid Extractable Cadmium (Cd)	2025/08/18	107	75 - 125	102	80 - 120	<0.10	ug/g	2.9	30		
9991308	Acid Extractable Chromium (Cr)	2025/08/18	NC	75 - 125	100	80 - 120	<1.0	ug/g	5.1	30		
9991308	Acid Extractable Cobalt (Co)	2025/08/18	106	75 - 125	102	80 - 120	<0.10	ug/g	2.6	30		
9991308	Acid Extractable Copper (Cu)	2025/08/18	NC	75 - 125	103	80 - 120	<0.50	ug/g	14	30		
9991308	Acid Extractable Lead (Pb)	2025/08/18	NC	75 - 125	101	80 - 120	<1.0	ug/g	3.8	30		
9991308	Acid Extractable Mercury (Hg)	2025/08/18	100	75 - 125	101	80 - 120	<0.050	ug/g	1.6	30		
9991308	Acid Extractable Molybdenum (Mo)	2025/08/18	99	75 - 125	99	80 - 120	<0.50	ug/g	3.1	30		
9991308	Acid Extractable Nickel (Ni)	2025/08/18	NC	75 - 125	100	80 - 120	<0.50	ug/g	2.0	30		
9991308	Acid Extractable Selenium (Se)	2025/08/18	103	75 - 125	103	80 - 120	<0.50	ug/g	17	30		
9991308	Acid Extractable Silver (Ag)	2025/08/18	104	75 - 125	102	80 - 120	<0.20	ug/g	8.8	30		
9991308	Acid Extractable Thallium (Tl)	2025/08/18	98	75 - 125	103	80 - 120	<0.050	ug/g	12	30		
9991308	Acid Extractable Uranium (U)	2025/08/18	105	75 - 125	105	80 - 120	<0.050	ug/g	8.3	30		
9991308	Acid Extractable Vanadium (V)	2025/08/18	NC	75 - 125	101	80 - 120	<5.0	ug/g	6.5	30		
9991308	Acid Extractable Zinc (Zn)	2025/08/18	NC	75 - 125	98	80 - 120	<5.0	ug/g	6.5	30		
9991741	Antimony (Sb)	2025/08/19	102	75 - 125	103	80 - 120	<0.05	ug/g	NC	30		
9991741	Arsenic (As)	2025/08/19	98	75 - 125	100	80 - 120	<0.1	ug/g	7.7	30	90	70 - 130
9991741	Barium (Ba)	2025/08/19	NC	75 - 125	97	80 - 120	<0.3	ug/g	6.8	30		
9991741	Beryllium (Be)	2025/08/19	97	75 - 125	99	80 - 120	<0.05	ug/g	NC	30		
9991741	Bismuth (Bi)	2025/08/19	97	75 - 125	98	80 - 120	<0.05	ug/g	NC	30		
9991741	Boron (B)	2025/08/19	92	75 - 125	93	80 - 120	<0.5	ug/g	1.4	30	80	70 - 130
9991741	Cadmium (Cd)	2025/08/19	96	75 - 125	97	80 - 120	<0.01	ug/g	0.20	30	86	70 - 130
9991741	Calcium (Ca)	2025/08/19	NC	75 - 125	103	80 - 120	<50	ug/g	5.3	30	93	70 - 130
9991741	Chromium (Cr)	2025/08/19	94	75 - 125	95	80 - 120	<0.3	ug/g	NC	30		
9991741	Cobalt (Co)	2025/08/19	97	75 - 125	98	80 - 120	<0.005	ug/g	5.2	30	82	70 - 130
9991741	Copper (Cu)	2025/08/19	98	75 - 125	98	80 - 120	<0.5	ug/g	0.84	30	87	70 - 130
9991741	Iron (Fe)	2025/08/19	95	75 - 125	97	80 - 120	<3	ug/g	3.1	30		
9991741	Lead (Pb)	2025/08/19	95	75 - 125	97	80 - 120	<0.03	ug/g	13	30	93	70 - 130
9991741	Magnesium (Mg)	2025/08/19	97	75 - 125	98	80 - 120	<100	ug/g	4.4	30	93	70 - 130
9991741	Manganese (Mn)	2025/08/19	NC	75 - 125	98	80 - 120	<0.3	ug/g	12	30	89	70 - 130

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9991741	Molybdenum (Mo)	2025/08/19	96	75 - 125	97	80 - 120	<0.05	ug/g	NC	30		
9991741	Nickel (Ni)	2025/08/19	93	75 - 125	96	80 - 120	<0.05	ug/g	6.2	30	62	42 - 78
9991741	Phosphorus (P)	2025/08/19	NC	75 - 125	103	80 - 120	<50	ug/g	1.0	30	96	70 - 130
9991741	Potassium (K)	2025/08/19	NC	75 - 125	100	80 - 120	<100	ug/g	0.18	30	94	70 - 130
9991741	Selenium (Se)	2025/08/19	97	75 - 125	101	80 - 120	<0.04	ug/g	NC	30		
9991741	Silver (Ag)	2025/08/19	90	75 - 125	92	80 - 120	<0.05	ug/g	NC	30		
9991741	Sodium (Na)	2025/08/19	100	75 - 125	100	80 - 120	<50	ug/g	NC	30	74	70 - 130
9991741	Strontium (Sr)	2025/08/19	98	75 - 125	100	80 - 120	<0.5	ug/g	4.4	30	92	70 - 130
9991741	Thallium (Tl)	2025/08/19	94	75 - 125	97	80 - 120	<0.003	ug/g	NC	30	88	70 - 130
9991741	Tin (Sn)	2025/08/19	95	75 - 125	98	80 - 120	<0.3	ug/g	NC	30		
9991741	Titanium (Ti)	2025/08/19	101	75 - 125	104	80 - 120	<0.5	ug/g	11	30		
9991741	Uranium (U)	2025/08/19	95	75 - 125	97	80 - 120	<0.005	ug/g	NC	30	31	23 - 40
9991741	Vanadium (V)	2025/08/19	96	75 - 125	98	80 - 120	<0.05	ug/g	NC	30	39	28 - 52
9991741	Zinc (Zn)	2025/08/19	NC	75 - 125	98	80 - 120	<2	ug/g	0.79	30	83	70 - 130
9992753	Mercury (Hg)	2025/08/25	99	75 - 125			<0.01	ug/g	7.6	35	99	70 - 130
9992755	Mercury (Hg)	2025/08/25	NC	75 - 125			<0.01	ug/g	3.0	35	101	70 - 130
9993709	Mercury (Hg)	2025/08/25	104	75 - 125			<0.01	ug/g	NC	35	97	70 - 130
9994534	Available (CaCl2) pH	2025/08/21			101	97 - 103			0.22	N/A		
9994560	Available (CaCl2) pH	2025/08/22			100	97 - 103			0.10	N/A		
9994608	Acid Extractable Antimony (Sb)	2025/08/22	96	75 - 125	102	80 - 120	<0.20	ug/g	NC	30		
9994608	Acid Extractable Arsenic (As)	2025/08/22	99	75 - 125	101	80 - 120	<1.0	ug/g	10	30		
9994608	Acid Extractable Barium (Ba)	2025/08/22	NC	75 - 125	103	80 - 120	<0.50	ug/g	0.69	30		
9994608	Acid Extractable Beryllium (Be)	2025/08/22	100	75 - 125	101	80 - 120	<0.20	ug/g	0.53	30		
9994608	Acid Extractable Boron (B)	2025/08/22	97	75 - 125	99	80 - 120	<5.0	ug/g	12	30		
9994608	Acid Extractable Cadmium (Cd)	2025/08/22	103	75 - 125	101	80 - 120	<0.10	ug/g	3.2	30		
9994608	Acid Extractable Chromium (Cr)	2025/08/22	NC	75 - 125	99	80 - 120	<1.0	ug/g	3.2	30		
9994608	Acid Extractable Cobalt (Co)	2025/08/22	97	75 - 125	100	80 - 120	<0.10	ug/g	2.2	30		
9994608	Acid Extractable Copper (Cu)	2025/08/22	93	75 - 125	99	80 - 120	<0.50	ug/g	1.2	30		
9994608	Acid Extractable Lead (Pb)	2025/08/22	96	75 - 125	97	80 - 120	<1.0	ug/g	1.8	30		
9994608	Acid Extractable Mercury (Hg)	2025/08/22	101	75 - 125	99	80 - 120	<0.050	ug/g				
9994608	Acid Extractable Molybdenum (Mo)	2025/08/22	97	75 - 125	96	80 - 120	<0.50	ug/g	NC	30		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9994608	Acid Extractable Nickel (Ni)	2025/08/22	92	75 - 125	101	80 - 120	<0.50	ug/g	2.4	30		
9994608	Acid Extractable Selenium (Se)	2025/08/22	106	75 - 125	105	80 - 120	<0.50	ug/g	NC	30		
9994608	Acid Extractable Silver (Ag)	2025/08/22	100	75 - 125	100	80 - 120	<0.20	ug/g	NC	30		
9994608	Acid Extractable Thallium (Tl)	2025/08/22	99	75 - 125	100	80 - 120	<0.050	ug/g	5.4	30		
9994608	Acid Extractable Uranium (U)	2025/08/22	103	75 - 125	100	80 - 120	<0.050	ug/g	1.5	30		
9994608	Acid Extractable Vanadium (V)	2025/08/22	NC	75 - 125	98	80 - 120	<5.0	ug/g	5.0	30		
9994608	Acid Extractable Zinc (Zn)	2025/08/22	NC	75 - 125	102	80 - 120	<5.0	ug/g	2.9	30		
9995247	Acid Extractable Antimony (Sb)	2025/08/23	88	75 - 125	104	80 - 120	<0.20	ug/g	NC	30		
9995247	Acid Extractable Arsenic (As)	2025/08/23	94	75 - 125	103	80 - 120	<1.0	ug/g	5.1	30		
9995247	Acid Extractable Barium (Ba)	2025/08/23	NC	75 - 125	101	80 - 120	<0.50	ug/g	6.2	30		
9995247	Acid Extractable Beryllium (Be)	2025/08/23	94	75 - 125	100	80 - 120	<0.20	ug/g	5.2	30		
9995247	Acid Extractable Boron (B)	2025/08/23	92	75 - 125	101	80 - 120	<5.0	ug/g	7.4	30		
9995247	Acid Extractable Cadmium (Cd)	2025/08/23	92	75 - 125	102	80 - 120	<0.10	ug/g	28	30		
9995247	Acid Extractable Chromium (Cr)	2025/08/23	NC	75 - 125	100	80 - 120	<1.0	ug/g	2.6	30		
9995247	Acid Extractable Cobalt (Co)	2025/08/23	94	75 - 125	102	80 - 120	<0.10	ug/g	0.75	30		
9995247	Acid Extractable Copper (Cu)	2025/08/23	NC	75 - 125	102	80 - 120	<0.50	ug/g	0.74	30		
9995247	Acid Extractable Lead (Pb)	2025/08/23	85	75 - 125	99	80 - 120	<1.0	ug/g	20	30		
9995247	Acid Extractable Mercury (Hg)	2025/08/23	91	75 - 125	100	80 - 120	<0.050	ug/g				
9995247	Acid Extractable Molybdenum (Mo)	2025/08/23	89	75 - 125	98	80 - 120	<0.50	ug/g	NC	30		
9995247	Acid Extractable Nickel (Ni)	2025/08/23	91	75 - 125	103	80 - 120	<0.50	ug/g	3.5	30		
9995247	Acid Extractable Selenium (Se)	2025/08/23	96	75 - 125	104	80 - 120	<0.50	ug/g	NC	30		
9995247	Acid Extractable Silver (Ag)	2025/08/23	90	75 - 125	100	80 - 120	<0.20	ug/g	NC	30		
9995247	Acid Extractable Thallium (Tl)	2025/08/23	91	75 - 125	99	80 - 120	<0.050	ug/g	8.5	30		
9995247	Acid Extractable Uranium (U)	2025/08/23	95	75 - 125	101	80 - 120	<0.050	ug/g	4.2	30		
9995247	Acid Extractable Vanadium (V)	2025/08/23	91	75 - 125	100	80 - 120	<5.0	ug/g	4.6	30		
9995247	Acid Extractable Zinc (Zn)	2025/08/23	NC	75 - 125	104	80 - 120	<5.0	ug/g	22	30		
9996034	Acid Extractable Antimony (Sb)	2025/08/23	91	75 - 125	95	80 - 120	<0.20	ug/g	NC	30		
9996034	Acid Extractable Arsenic (As)	2025/08/23	93	75 - 125	99	80 - 120	<1.0	ug/g	NC	30		
9996034	Acid Extractable Barium (Ba)	2025/08/23	93	75 - 125	99	80 - 120	<0.50	ug/g	1.7	30		
9996034	Acid Extractable Beryllium (Be)	2025/08/23	92	75 - 125	96	80 - 120	<0.20	ug/g	NC	30		
9996034	Acid Extractable Boron (B)	2025/08/23	91	75 - 125	100	80 - 120	<5.0	ug/g	NC	30		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9996034	Acid Extractable Cadmium (Cd)	2025/08/23	90	75 - 125	94	80 - 120	<0.10	ug/g	NC	30		
9996034	Acid Extractable Chromium (Cr)	2025/08/23	90	75 - 125	97	80 - 120	<1.0	ug/g	21	30		
9996034	Acid Extractable Cobalt (Co)	2025/08/23	93	75 - 125	100	80 - 120	<0.10	ug/g	13	30		
9996034	Acid Extractable Copper (Cu)	2025/08/23	90	75 - 125	94	80 - 120	<0.50	ug/g	16	30		
9996034	Acid Extractable Lead (Pb)	2025/08/23	88	75 - 125	97	80 - 120	<1.0	ug/g	2.9	30		
9996034	Acid Extractable Mercury (Hg)	2025/08/23	86	75 - 125	97	80 - 120	<0.050	ug/g	NC	30		
9996034	Acid Extractable Molybdenum (Mo)	2025/08/23	90	75 - 125	91	80 - 120	<0.50	ug/g	NC	30		
9996034	Acid Extractable Nickel (Ni)	2025/08/23	93	75 - 125	101	80 - 120	<0.50	ug/g	3.0	30		
9996034	Acid Extractable Selenium (Se)	2025/08/23	92	75 - 125	99	80 - 120	<0.50	ug/g	NC	30		
9996034	Acid Extractable Silver (Ag)	2025/08/23	88	75 - 125	93	80 - 120	<0.20	ug/g	NC	30		
9996034	Acid Extractable Thallium (Tl)	2025/08/23	89	75 - 125	98	80 - 120	<0.050	ug/g	NC	30		
9996034	Acid Extractable Uranium (U)	2025/08/23	92	75 - 125	99	80 - 120	<0.050	ug/g	16	30		
9996034	Acid Extractable Vanadium (V)	2025/08/23	80	75 - 125	96	80 - 120	<5.0	ug/g	18	30		
9996034	Acid Extractable Zinc (Zn)	2025/08/23	89	75 - 125	97	80 - 120	<5.0	ug/g	2.3	30		
9996474	Antimony (Sb)	2025/08/25	106	75 - 125	102	80 - 120	<0.05	ug/g	NC	30		
9996474	Arsenic (As)	2025/08/25	101	75 - 125	99	80 - 120	<0.1	ug/g	25	30	91	70 - 130
9996474	Barium (Ba)	2025/08/25	99	75 - 125	97	80 - 120	<0.3	ug/g	0.23	30		
9996474	Beryllium (Be)	2025/08/25	97	75 - 125	94	80 - 120	<0.05	ug/g	NC	30		
9996474	Bismuth (Bi)	2025/08/25	99	75 - 125	95	80 - 120	<0.05	ug/g	NC	30		
9996474	Boron (B)	2025/08/25	94	75 - 125	90	80 - 120	<0.5	ug/g	0.16	30	82	70 - 130
9996474	Cadmium (Cd)	2025/08/25	101	75 - 125	97	80 - 120	<0.01	ug/g	0.65	30	88	70 - 130
9996474	Calcium (Ca)	2025/08/25	NC	75 - 125	100	80 - 120	<50	ug/g	1.5	30	92	70 - 130
9996474	Chromium (Cr)	2025/08/25	101	75 - 125	97	80 - 120	<0.3	ug/g	NC	30		
9996474	Cobalt (Co)	2025/08/25	105	75 - 125	101	80 - 120	<0.005	ug/g	4.8	30	87	70 - 130
9996474	Copper (Cu)	2025/08/25	103	75 - 125	97	80 - 120	<0.5	ug/g	0.74	30	89	70 - 130
9996474	Iron (Fe)	2025/08/25	102	75 - 125	99	80 - 120	<3	ug/g	0.55	30		
9996474	Lead (Pb)	2025/08/25	99	75 - 125	97	80 - 120	<0.03	ug/g	10	30	92	70 - 130
9996474	Magnesium (Mg)	2025/08/25	NC	75 - 125	99	80 - 120	<100	ug/g	2.1	30	97	70 - 130
9996474	Manganese (Mn)	2025/08/25	NC	75 - 125	100	80 - 120	<0.3	ug/g	1.3	30	94	70 - 130
9996474	Molybdenum (Mo)	2025/08/25	102	75 - 125	96	80 - 120	<0.05	ug/g	5.4	30		
9996474	Nickel (Ni)	2025/08/25	104	75 - 125	99	80 - 120	<0.05	ug/g	8.6	30	67	42 - 78

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9996474	Phosphorus (P)	2025/08/25	NC	75 - 125	104	80 - 120	<50	ug/g	2.6	30	93	70 - 130
9996474	Potassium (K)	2025/08/25	NC	75 - 125	99	80 - 120	<100	ug/g	1.7	30	91	70 - 130
9996474	Selenium (Se)	2025/08/25	102	75 - 125	99	80 - 120	<0.04	ug/g	NC	30		
9996474	Silver (Ag)	2025/08/25	95	75 - 125	92	80 - 120	<0.05	ug/g	NC	30		
9996474	Sodium (Na)	2025/08/25	106	75 - 125	100	80 - 120	<50	ug/g	0.55	30	87	70 - 130
9996474	Strontium (Sr)	2025/08/25	105	75 - 125	101	80 - 120	<0.5	ug/g	1.3	30	95	70 - 130
9996474	Thallium (Tl)	2025/08/25	99	75 - 125	98	80 - 120	<0.003	ug/g	NC	30	70	70 - 130
9996474	Tin (Sn)	2025/08/25	93	75 - 125	97	80 - 120	<0.3	ug/g	NC	30		
9996474	Titanium (Ti)	2025/08/25	99	75 - 125	97	80 - 120	<0.5	ug/g	7.2	30		
9996474	Uranium (U)	2025/08/25	99	75 - 125	96	80 - 120	<0.005	ug/g	NC	30	76 (1)	23 - 40
9996474	Vanadium (V)	2025/08/25	103	75 - 125	98	80 - 120	<0.05	ug/g	NC	30	40	28 - 52
9996474	Zinc (Zn)	2025/08/25	105	75 - 125	99	80 - 120	<2	ug/g	0.35	30	86	70 - 130
9996588	Acid Extractable Antimony (Sb)	2025/08/25	85	75 - 125	98	80 - 120	<0.20	ug/g	NC	30		
9996588	Acid Extractable Arsenic (As)	2025/08/25	104	75 - 125	101	80 - 120	<1.0	ug/g	0.41	30		
9996588	Acid Extractable Barium (Ba)	2025/08/25	NC	75 - 125	100	80 - 120	<0.50	ug/g	1.9	30		
9996588	Acid Extractable Beryllium (Be)	2025/08/25	107	75 - 125	103	80 - 120	<0.20	ug/g	3.1	30		
9996588	Acid Extractable Boron (B)	2025/08/25	102	75 - 125	101	80 - 120	<5.0	ug/g	1.2	30		
9996588	Acid Extractable Cadmium (Cd)	2025/08/25	106	75 - 125	98	80 - 120	<0.10	ug/g	7.3	30		
9996588	Acid Extractable Chromium (Cr)	2025/08/25	NC	75 - 125	97	80 - 120	<1.0	ug/g	1.7	30		
9996588	Acid Extractable Cobalt (Co)	2025/08/25	102	75 - 125	98	80 - 120	<0.10	ug/g	1.2	30		
9996588	Acid Extractable Copper (Cu)	2025/08/25	NC	75 - 125	95	80 - 120	<0.50	ug/g	1.5	30		
9996588	Acid Extractable Lead (Pb)	2025/08/25	104	75 - 125	100	80 - 120	<1.0	ug/g	0.17	30		
9996588	Acid Extractable Mercury (Hg)	2025/08/25	109	75 - 125	100	80 - 120	<0.050	ug/g	NC	30		
9996588	Acid Extractable Molybdenum (Mo)	2025/08/25	98	75 - 125	92	80 - 120	<0.50	ug/g	NC	30		
9996588	Acid Extractable Nickel (Ni)	2025/08/25	NC	75 - 125	99	80 - 120	<0.50	ug/g	0.72	30		
9996588	Acid Extractable Selenium (Se)	2025/08/25	106	75 - 125	102	80 - 120	<0.50	ug/g	NC	30		
9996588	Acid Extractable Silver (Ag)	2025/08/25	108	75 - 125	98	80 - 120	<0.20	ug/g	NC	30		
9996588	Acid Extractable Thallium (Tl)	2025/08/25	103	75 - 125	100	80 - 120	<0.050	ug/g	0.78	30		
9996588	Acid Extractable Uranium (U)	2025/08/25	106	75 - 125	99	80 - 120	<0.050	ug/g	1.4	30		
9996588	Acid Extractable Vanadium (V)	2025/08/25	NC	75 - 125	97	80 - 120	<5.0	ug/g	1.9	30		
9996588	Acid Extractable Zinc (Zn)	2025/08/25	NC	75 - 125	100	80 - 120	<5.0	ug/g	7.1	30		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9997810	Acid Extractable Antimony (Sb)	2025/08/26	94	75 - 125	95	80 - 120	<0.20	ug/g	NC	30		
9997810	Acid Extractable Arsenic (As)	2025/08/26	92	75 - 125	95	80 - 120	<1.0	ug/g	NC	30		
9997810	Acid Extractable Barium (Ba)	2025/08/26	89	75 - 125	91	80 - 120	<0.50	ug/g	9.0	30		
9997810	Acid Extractable Beryllium (Be)	2025/08/26	95	75 - 125	99	80 - 120	<0.20	ug/g	NC	30		
9997810	Acid Extractable Boron (B)	2025/08/26	93	75 - 125	100	80 - 120	<5.0	ug/g	NC	30		
9997810	Acid Extractable Cadmium (Cd)	2025/08/26	91	75 - 125	94	80 - 120	<0.10	ug/g	NC	30		
9997810	Acid Extractable Chromium (Cr)	2025/08/26	94	75 - 125	91	80 - 120	<1.0	ug/g	27	30		
9997810	Acid Extractable Cobalt (Co)	2025/08/26	92	75 - 125	94	80 - 120	<0.10	ug/g	14	30		
9997810	Acid Extractable Copper (Cu)	2025/08/26	91	75 - 125	94	80 - 120	<0.50	ug/g	5.8	30		
9997810	Acid Extractable Lead (Pb)	2025/08/26	89	75 - 125	93	80 - 120	<1.0	ug/g	10	30		
9997810	Acid Extractable Mercury (Hg)	2025/08/26	89	75 - 125	95	80 - 120	<0.050	ug/g	NC	30		
9997810	Acid Extractable Molybdenum (Mo)	2025/08/26	88	75 - 125	90	80 - 120	<0.50	ug/g	NC	30		
9997810	Acid Extractable Nickel (Ni)	2025/08/26	94	75 - 125	94	80 - 120	<0.50	ug/g	20	30		
9997810	Acid Extractable Selenium (Se)	2025/08/26	91	75 - 125	97	80 - 120	<0.50	ug/g	NC	30		
9997810	Acid Extractable Silver (Ag)	2025/08/26	91	75 - 125	94	80 - 120	<0.20	ug/g	NC	30		
9997810	Acid Extractable Thallium (Tl)	2025/08/26	89	75 - 125	93	80 - 120	<0.050	ug/g	NC	30		
9997810	Acid Extractable Uranium (U)	2025/08/26	91	75 - 125	94	80 - 120	<0.050	ug/g	3.1	30		
9997810	Acid Extractable Vanadium (V)	2025/08/26	98	75 - 125	90	80 - 120	<5.0	ug/g	24	30		
9997810	Acid Extractable Zinc (Zn)	2025/08/26	98	75 - 125	92	80 - 120	<5.0	ug/g	7.6	30		
A000986	Mercury (Hg)	2025/09/03	83	75 - 125			<0.01	ug/g	7.2	35	96	70 - 130
A001434	Antimony (Sb)	2025/09/03	83	75 - 125	96	80 - 120	<0.05	ug/g	NC	30		
A001434	Arsenic (As)	2025/09/03	85	75 - 125	99	80 - 120	<0.1	ug/g	1.3	30	92	70 - 130
A001434	Barium (Ba)	2025/09/03	77	75 - 125	97	80 - 120	<0.3	ug/g	0.69	30		
A001434	Beryllium (Be)	2025/09/03	87	75 - 125	98	80 - 120	<0.05	ug/g	NC	30		
A001434	Bismuth (Bi)	2025/09/03	86	75 - 125	101	80 - 120	<0.05	ug/g	NC	30		
A001434	Boron (B)	2025/09/03	84	75 - 125	97	80 - 120	<0.5	ug/g	3.1	30	87	70 - 130
A001434	Cadmium (Cd)	2025/09/03	85	75 - 125	96	80 - 120	<0.01	ug/g	5.4	30	88	70 - 130
A001434	Calcium (Ca)	2025/09/03	NC	75 - 125	99	80 - 120	<50	ug/g	1.0	30	99	70 - 130
A001434	Chromium (Cr)	2025/09/03	84	75 - 125	93	80 - 120	<0.3	ug/g	2.4	30		
A001434	Cobalt (Co)	2025/09/03	85	75 - 125	97	80 - 120	<0.005	ug/g	7.6	30	85	70 - 130
A001434	Copper (Cu)	2025/09/03	81	75 - 125	94	80 - 120	<0.5	ug/g	5.0	30	89	70 - 130

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A001434	Iron (Fe)	2025/09/03	75	75 - 125	95	80 - 120	<3	ug/g	10	30		
A001434	Lead (Pb)	2025/09/03	81	75 - 125	97	80 - 120	<0.03	ug/g	7.3	30	92	70 - 130
A001434	Magnesium (Mg)	2025/09/03	81	75 - 125	97	80 - 120	<100	ug/g	1.4	30	99	70 - 130
A001434	Manganese (Mn)	2025/09/03	NC	75 - 125	97	80 - 120	<0.3	ug/g	2.5	30	99	70 - 130
A001434	Molybdenum (Mo)	2025/09/03	79	75 - 125	91	80 - 120	<0.05	ug/g	1.8	30		
A001434	Nickel (Ni)	2025/09/03	88	75 - 125	99	80 - 120	<0.05	ug/g	4.2	30	67	42 - 78
A001434	Phosphorus (P)	2025/09/03	NC	75 - 125	96	80 - 120	<50	ug/g	1.5	30	107	70 - 130
A001434	Potassium (K)	2025/09/03	NC	75 - 125	89	80 - 120	<100	ug/g	3.5	30	95	70 - 130
A001434	Selenium (Se)	2025/09/03	93	75 - 125	103	80 - 120	<0.04	ug/g	2.4	30		
A001434	Silver (Ag)	2025/09/03	77	75 - 125	88	80 - 120	<0.05	ug/g	NC	30		
A001434	Sodium (Na)	2025/09/03	80	75 - 125	98	80 - 120	<50	ug/g	6.8	30	78	70 - 130
A001434	Strontium (Sr)	2025/09/03	80	75 - 125	96	80 - 120	<0.5	ug/g	1.7	30	98	70 - 130
A001434	Thallium (Tl)	2025/09/03	83	75 - 125	97	80 - 120	<0.003	ug/g	0.54	30	92	70 - 130
A001434	Tin (Sn)	2025/09/03	81	75 - 125	95	80 - 120	<0.3	ug/g	NC	30		
A001434	Titanium (Ti)	2025/09/03	NC	75 - 125	96	80 - 120	<0.5	ug/g	17	30		
A001434	Uranium (U)	2025/09/03	90	75 - 125	101	80 - 120	<0.005	ug/g	21	30	36	23 - 40
A001434	Vanadium (V)	2025/09/03	82	75 - 125	94	80 - 120	<0.05	ug/g	11	30	37	28 - 52
A001434	Zinc (Zn)	2025/09/03	NC	75 - 125	98	80 - 120	<2	ug/g	1.4	30	87	70 - 130
A001436	Antimony (Sb)	2025/09/03	102	75 - 125	100	80 - 120	<0.05	ug/g	NC	30		
A001436	Arsenic (As)	2025/09/03	NC	75 - 125	100	80 - 120	<0.1	ug/g	9.7	30	93	70 - 130
A001436	Barium (Ba)	2025/09/03	NC	75 - 125	93	80 - 120	<0.3	ug/g	1.8	30		
A001436	Beryllium (Be)	2025/09/03	96	75 - 125	95	80 - 120	<0.05	ug/g	NC	30		
A001436	Bismuth (Bi)	2025/09/03	100	75 - 125	100	80 - 120	<0.05	ug/g	NC	30		
A001436	Boron (B)	2025/09/03	92	75 - 125	90	80 - 120	<0.5	ug/g	15	30	84	70 - 130
A001436	Cadmium (Cd)	2025/09/03	97	75 - 125	95	80 - 120	<0.01	ug/g	0.92	30	87	70 - 130
A001436	Calcium (Ca)	2025/09/03	NC	75 - 125	98	80 - 120	<50	ug/g	2.3	30	100	70 - 130
A001436	Chromium (Cr)	2025/09/03	98	75 - 125	98	80 - 120	<0.3	ug/g	6.1	30		
A001436	Cobalt (Co)	2025/09/03	100	75 - 125	101	80 - 120	<0.005	ug/g	2.9	30	85	70 - 130
A001436	Copper (Cu)	2025/09/03	100	75 - 125	98	80 - 120	<0.5	ug/g	8.2	30	91	70 - 130
A001436	Iron (Fe)	2025/09/03	110	75 - 125	100	80 - 120	<3	ug/g	6.3	30		
A001436	Lead (Pb)	2025/09/03	97	75 - 125	99	80 - 120	<0.03	ug/g	0.38	30	92	70 - 130

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A001436	Magnesium (Mg)	2025/09/03	99	75 - 125	99	80 - 120	<100	ug/g	1.0	30	96	70 - 130
A001436	Manganese (Mn)	2025/09/03	NC	75 - 125	98	80 - 120	<0.3	ug/g	0.75	30	93	70 - 130
A001436	Molybdenum (Mo)	2025/09/03	98	75 - 125	95	80 - 120	<0.05	ug/g	2.0	30		
A001436	Nickel (Ni)	2025/09/03	98	75 - 125	100	80 - 120	<0.05	ug/g	1.4	30	66	42 - 78
A001436	Phosphorus (P)	2025/09/03	NC	75 - 125	101	80 - 120	<50	ug/g	1.4	30	100	70 - 130
A001436	Potassium (K)	2025/09/03	NC	75 - 125	99	80 - 120	<100	ug/g	0.11	30	99	70 - 130
A001436	Selenium (Se)	2025/09/03	102	75 - 125	100	80 - 120	<0.04	ug/g	3.9	30		
A001436	Silver (Ag)	2025/09/03	91	75 - 125	92	80 - 120	<0.05	ug/g	NC	30		
A001436	Sodium (Na)	2025/09/03	100	75 - 125	101	80 - 120	<50	ug/g	2.7	30	77	70 - 130
A001436	Strontium (Sr)	2025/09/03	NC	75 - 125	97	80 - 120	<0.5	ug/g	0.38	30	91	70 - 130
A001436	Thallium (Tl)	2025/09/03	99	75 - 125	101	80 - 120	<0.003	ug/g	NC	30	94	70 - 130
A001436	Tin (Sn)	2025/09/03	91	75 - 125	93	80 - 120	<0.3	ug/g	NC	30		
A001436	Titanium (Ti)	2025/09/03	110	75 - 125	92	80 - 120	<0.5	ug/g	0.86	30		
A001436	Uranium (U)	2025/09/03	98	75 - 125	100	80 - 120	<0.005	ug/g	NC	30	30	23 - 40
A001436	Vanadium (V)	2025/09/03	99	75 - 125	98	80 - 120	<0.05	ug/g	2.3	30	40	28 - 52
A001436	Zinc (Zn)	2025/09/03	NC	75 - 125	101	80 - 120	<2	ug/g	2.2	30	86	70 - 130
A001462	Antimony (Sb)	2025/09/03	101	75 - 125	98	80 - 120	<0.05	ug/g	NC	30		
A001462	Arsenic (As)	2025/09/03	100	75 - 125	97	80 - 120	<0.1	ug/g	NC	30	91	70 - 130
A001462	Barium (Ba)	2025/09/03	95	75 - 125	92	80 - 120	<0.3	ug/g	19	30		
A001462	Beryllium (Be)	2025/09/03	97	75 - 125	94	80 - 120	<0.05	ug/g	NC	30		
A001462	Bismuth (Bi)	2025/09/03	100	75 - 125	99	80 - 120	<0.05	ug/g	NC	30		
A001462	Boron (B)	2025/09/03	92	75 - 125	91	80 - 120	<0.5	ug/g	5.4	30	76	70 - 130
A001462	Cadmium (Cd)	2025/09/03	97	75 - 125	93	80 - 120	<0.01	ug/g	3.0	30	83	70 - 130
A001462	Calcium (Ca)	2025/09/03	103	75 - 125	99	80 - 120	<50	ug/g	5.7	30	94	70 - 130
A001462	Chromium (Cr)	2025/09/03	97	75 - 125	95	80 - 120	<0.3	ug/g	NC	30		
A001462	Cobalt (Co)	2025/09/03	101	75 - 125	98	80 - 120	<0.005	ug/g	NC	30	83	70 - 130
A001462	Copper (Cu)	2025/09/03	101	75 - 125	94	80 - 120	<0.5	ug/g	4.9	30	88	70 - 130
A001462	Iron (Fe)	2025/09/03	98	75 - 125	96	80 - 120	<3	ug/g	NC	30		
A001462	Lead (Pb)	2025/09/03	96	75 - 125	96	80 - 120	<0.03	ug/g	NC	30	88	70 - 130
A001462	Magnesium (Mg)	2025/09/03	97	75 - 125	94	80 - 120	<100	ug/g	NC	30	95	70 - 130
A001462	Manganese (Mn)	2025/09/03	98	75 - 125	96	80 - 120	<0.3	ug/g	2.6	30	90	70 - 130

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A001462	Molybdenum (Mo)	2025/09/03	97	75 - 125	93	80 - 120	<0.05	ug/g	NC	30		
A001462	Nickel (Ni)	2025/09/03	98	75 - 125	97	80 - 120	<0.05	ug/g	2.4	30	64	42 - 78
A001462	Phosphorus (P)	2025/09/03	NC	75 - 125	98	80 - 120	<50	ug/g	7.2	30	94	70 - 130
A001462	Potassium (K)	2025/09/03	NC	75 - 125	95	80 - 120	<100	ug/g	0.92	30	93	70 - 130
A001462	Selenium (Se)	2025/09/03	98	75 - 125	99	80 - 120	<0.04	ug/g	NC	30		
A001462	Silver (Ag)	2025/09/03	91	75 - 125	89	80 - 120	<0.05	ug/g	NC	30		
A001462	Sodium (Na)	2025/09/03	99	75 - 125	95	80 - 120	<50	ug/g	NC	30	80	70 - 130
A001462	Strontium (Sr)	2025/09/03	98	75 - 125	96	80 - 120	<0.5	ug/g	NC	30	89	70 - 130
A001462	Thallium (Tl)	2025/09/03	100	75 - 125	100	80 - 120	<0.003	ug/g	NC	30	90	70 - 130
A001462	Tin (Sn)	2025/09/03	84	75 - 125	91	80 - 120	<0.3	ug/g	NC	30		
A001462	Titanium (Ti)	2025/09/03	85	75 - 125	97	80 - 120	<0.5	ug/g	NC	30		
A001462	Uranium (U)	2025/09/03	97	75 - 125	98	80 - 120	<0.005	ug/g	NC	30	29	23 - 40
A001462	Vanadium (V)	2025/09/03	98	75 - 125	95	80 - 120	<0.05	ug/g	NC	30	38	28 - 52
A001462	Zinc (Zn)	2025/09/03	101	75 - 125	97	80 - 120	<2	ug/g	1.8	30	83	70 - 130
A001463	Antimony (Sb)	2025/09/03	96	75 - 125	94	80 - 120	<0.05	ug/g	NC	30		
A001463	Arsenic (As)	2025/09/03	99	75 - 125	98	80 - 120	<0.1	ug/g	NC	30	91	70 - 130
A001463	Barium (Ba)	2025/09/03	95	75 - 125	93	80 - 120	<0.3	ug/g	13	30		
A001463	Beryllium (Be)	2025/09/03	96	75 - 125	98	80 - 120	<0.05	ug/g	NC	30		
A001463	Bismuth (Bi)	2025/09/03	99	75 - 125	101	80 - 120	<0.05	ug/g	NC	30		
A001463	Boron (B)	2025/09/03	93	75 - 125	95	80 - 120	<0.5	ug/g	11	30	87	70 - 130
A001463	Cadmium (Cd)	2025/09/03	96	75 - 125	95	80 - 120	<0.01	ug/g	NC	30	88	70 - 130
A001463	Calcium (Ca)	2025/09/03	98	75 - 125	96	80 - 120	<50	ug/g	4.8	30	88	70 - 130
A001463	Chromium (Cr)	2025/09/03	93	75 - 125	92	80 - 120	<0.3	ug/g	NC	30		
A001463	Cobalt (Co)	2025/09/03	98	75 - 125	97	80 - 120	<0.005	ug/g	NC	30	86	70 - 130
A001463	Copper (Cu)	2025/09/03	95	75 - 125	91	80 - 120	<0.5	ug/g	NC	30	86	70 - 130
A001463	Iron (Fe)	2025/09/03	95	75 - 125	94	80 - 120	<3	ug/g	NC	30		
A001463	Lead (Pb)	2025/09/03	96	75 - 125	96	80 - 120	<0.03	ug/g	NC	30	90	70 - 130
A001463	Magnesium (Mg)	2025/09/03	99	75 - 125	94	80 - 120	<100	ug/g	NC	30	94	70 - 130
A001463	Manganese (Mn)	2025/09/03	96	75 - 125	95	80 - 120	<0.3	ug/g	3.5	30	95	70 - 130
A001463	Molybdenum (Mo)	2025/09/03	90	75 - 125	90	80 - 120	<0.05	ug/g	NC	30		
A001463	Nickel (Ni)	2025/09/03	100	75 - 125	100	80 - 120	<0.05	ug/g	7.0	30	69	42 - 78

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A001463	Phosphorus (P)	2025/09/03	NC	75 - 125	91	80 - 120	<50	ug/g	8.0	30	94	70 - 130
A001463	Potassium (K)	2025/09/03	NC	75 - 125	87	80 - 120	<100	ug/g	1.6	30	86	70 - 130
A001463	Selenium (Se)	2025/09/03	101	75 - 125	105	80 - 120	<0.04	ug/g	NC	30		
A001463	Silver (Ag)	2025/09/03	89	75 - 125	90	80 - 120	<0.05	ug/g	NC	30		
A001463	Sodium (Na)	2025/09/03	98	75 - 125	97	80 - 120	<50	ug/g	NC	30	76	70 - 130
A001463	Strontium (Sr)	2025/09/03	96	75 - 125	95	80 - 120	<0.5	ug/g	NC	30	91	70 - 130
A001463	Thallium (Tl)	2025/09/03	95	75 - 125	98	80 - 120	<0.003	ug/g	NC	30	97	70 - 130
A001463	Tin (Sn)	2025/09/03	89	75 - 125	93	80 - 120	<0.3	ug/g	NC	30		
A001463	Titanium (Ti)	2025/09/03	96	75 - 125	96	80 - 120	<0.5	ug/g	NC	30		
A001463	Uranium (U)	2025/09/03	101	75 - 125	104	80 - 120	<0.005	ug/g	NC	30	39	23 - 40
A001463	Vanadium (V)	2025/09/03	95	75 - 125	93	80 - 120	<0.05	ug/g	NC	30	38	28 - 52
A001463	Zinc (Zn)	2025/09/03	101	75 - 125	99	80 - 120	<2	ug/g	NC	30	87	70 - 130
A001858	Mercury (Hg)	2025/09/04	87	75 - 125			<0.01	ug/g	NC	35	99	70 - 130
A001859	Mercury (Hg)	2025/09/04	96	75 - 125			<0.01	ug/g	NC	35	82	70 - 130
A001861	Mercury (Hg)	2025/09/04	NC	75 - 125			<0.01	ug/g	20	35	88	70 - 130
A001863	Antimony (Sb)	2025/09/03	98	75 - 125	101	80 - 120	<0.05	ug/g	NC	30		
A001863	Arsenic (As)	2025/09/03	99	75 - 125	101	80 - 120	<0.1	ug/g	NC	30	106	70 - 130
A001863	Barium (Ba)	2025/09/03	92	75 - 125	96	80 - 120	<0.3	ug/g	3.9	30		
A001863	Beryllium (Be)	2025/09/03	95	75 - 125	98	80 - 120	<0.05	ug/g	NC	30		
A001863	Bismuth (Bi)	2025/09/03	101	75 - 125	101	80 - 120	<0.05	ug/g	NC	30		
A001863	Boron (B)	2025/09/03	90	75 - 125	90	80 - 120	<0.5	ug/g	4.7	30	86	70 - 130
A001863	Cadmium (Cd)	2025/09/03	93	75 - 125	96	80 - 120	<0.01	ug/g	NC	30	88	70 - 130
A001863	Calcium (Ca)	2025/09/03	97	75 - 125	102	80 - 120	<50	ug/g	1.1	30	102	70 - 130
A001863	Chromium (Cr)	2025/09/03	96	75 - 125	97	80 - 120	<0.3	ug/g	NC	30		
A001863	Cobalt (Co)	2025/09/03	99	75 - 125	100	80 - 120	<0.005	ug/g	4.4	30	87	70 - 130
A001863	Copper (Cu)	2025/09/03	97	75 - 125	100	80 - 120	<0.5	ug/g	1.3	30	92	70 - 130
A001863	Iron (Fe)	2025/09/03	97	75 - 125	98	80 - 120	<3	ug/g	NC	30		
A001863	Lead (Pb)	2025/09/03	97	75 - 125	99	80 - 120	<0.03	ug/g	NC	30	94	70 - 130
A001863	Magnesium (Mg)	2025/09/03	96	75 - 125	98	80 - 120	<100	ug/g	NC	30	98	70 - 130
A001863	Manganese (Mn)	2025/09/03	NC	75 - 125	97	80 - 120	<0.3	ug/g	7.0	30	95	70 - 130
A001863	Molybdenum (Mo)	2025/09/03	94	75 - 125	97	80 - 120	<0.05	ug/g	NC	30		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A001863	Nickel (Ni)	2025/09/03	98	75 - 125	98	80 - 120	<0.05	ug/g	4.4	30	65	42 - 78
A001863	Phosphorus (P)	2025/09/03	NC	75 - 125	108	80 - 120	<50	ug/g	7.1	30	102	70 - 130
A001863	Potassium (K)	2025/09/03	NC	75 - 125	99	80 - 120	<100	ug/g	3.6	30	101	70 - 130
A001863	Selenium (Se)	2025/09/03	96	75 - 125	103	80 - 120	<0.04	ug/g	NC	30		
A001863	Silver (Ag)	2025/09/03	89	75 - 125	92	80 - 120	<0.05	ug/g	NC	30		
A001863	Sodium (Na)	2025/09/03	98	75 - 125	100	80 - 120	<50	ug/g	NC	30	80	70 - 130
A001863	Strontium (Sr)	2025/09/03	95	75 - 125	96	80 - 120	<0.5	ug/g	NC	30	95	70 - 130
A001863	Thallium (Tl)	2025/09/03	100	75 - 125	101	80 - 120	<0.003	ug/g	NC	30	96	70 - 130
A001863	Tin (Sn)	2025/09/03	84	75 - 125	94	80 - 120	<0.3	ug/g	NC	30		
A001863	Titanium (Ti)	2025/09/03	89	75 - 125	98	80 - 120	<0.5	ug/g	NC	30		
A001863	Uranium (U)	2025/09/03	98	75 - 125	100	80 - 120	<0.005	ug/g	NC	30	33	23 - 40
A001863	Vanadium (V)	2025/09/03	96	75 - 125	97	80 - 120	<0.05	ug/g	NC	30	38	28 - 52
A001863	Zinc (Zn)	2025/09/03	96	75 - 125	99	80 - 120	<2	ug/g	0.76	30	89	70 - 130
A001865	Antimony (Sb)	2025/09/03	95	75 - 125	95	80 - 120	<0.05	ug/g	NC	30		
A001865	Arsenic (As)	2025/09/03	NC	75 - 125	97	80 - 120	<0.1	ug/g	19	30	94	70 - 130
A001865	Barium (Ba)	2025/09/03	100	75 - 125	96	80 - 120	<0.3	ug/g	16	30		
A001865	Beryllium (Be)	2025/09/03	99	75 - 125	99	80 - 120	<0.05	ug/g	NC	30		
A001865	Bismuth (Bi)	2025/09/03	100	75 - 125	101	80 - 120	<0.05	ug/g	NC	30		
A001865	Boron (B)	2025/09/03	95	75 - 125	96	80 - 120	<0.5	ug/g	NC	30	90	70 - 130
A001865	Cadmium (Cd)	2025/09/03	97	75 - 125	95	80 - 120	<0.01	ug/g	7.7	30	94	70 - 130
A001865	Calcium (Ca)	2025/09/03	NC	75 - 125	99	80 - 120	<50	ug/g	7.1	30	92	70 - 130
A001865	Chromium (Cr)	2025/09/03	98	75 - 125	91	80 - 120	<0.3	ug/g	16	30		
A001865	Cobalt (Co)	2025/09/03	96	75 - 125	96	80 - 120	<0.005	ug/g	15	30	86	70 - 130
A001865	Copper (Cu)	2025/09/03	94	75 - 125	93	80 - 120	<0.5	ug/g	19	30	93	70 - 130
A001865	Iron (Fe)	2025/09/03	101	75 - 125	94	80 - 120	<3	ug/g	25	30		
A001865	Lead (Pb)	2025/09/03	97	75 - 125	96	80 - 120	<0.03	ug/g	8.6	30	92	70 - 130
A001865	Magnesium (Mg)	2025/09/03	NC	75 - 125	93	80 - 120	<100	ug/g	8.0	30	101	70 - 130
A001865	Manganese (Mn)	2025/09/03	NC	75 - 125	95	80 - 120	<0.3	ug/g	9.9	30	104	70 - 130
A001865	Molybdenum (Mo)	2025/09/03	90	75 - 125	90	80 - 120	<0.05	ug/g	17	30		
A001865	Nickel (Ni)	2025/09/03	100	75 - 125	97	80 - 120	<0.05	ug/g	16	30	69	42 - 78
A001865	Phosphorus (P)	2025/09/03	NC	75 - 125	96	80 - 120	<50	ug/g	2.1	30	97	70 - 130

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A001865	Potassium (K)	2025/09/03	NC	75 - 125	88	80 - 120	<100	ug/g	3.3	30	91	70 - 130
A001865	Selenium (Se)	2025/09/03	108	75 - 125	102	80 - 120	<0.04	ug/g	3.9	30		
A001865	Silver (Ag)	2025/09/03	88	75 - 125	89	80 - 120	<0.05	ug/g	NC	30		
A001865	Sodium (Na)	2025/09/03	92	75 - 125	96	80 - 120	<50	ug/g	12	30	82	70 - 130
A001865	Strontium (Sr)	2025/09/03	96	75 - 125	93	80 - 120	<0.5	ug/g	9.6	30	100	70 - 130
A001865	Thallium (Tl)	2025/09/03	96	75 - 125	96	80 - 120	<0.003	ug/g	30	30	94	70 - 130
A001865	Tin (Sn)	2025/09/03	92	75 - 125	94	80 - 120	<0.3	ug/g	NC	30		
A001865	Titanium (Ti)	2025/09/03	113	75 - 125	95	80 - 120	<0.5	ug/g	27	30		
A001865	Uranium (U)	2025/09/03	100	75 - 125	101	80 - 120	<0.005	ug/g	11	30	34	23 - 40
A001865	Vanadium (V)	2025/09/03	93	75 - 125	93	80 - 120	<0.05	ug/g	21	30	39	28 - 52
A001865	Zinc (Zn)	2025/09/03	NC	75 - 125	97	80 - 120	<2	ug/g	9.5	30	89	70 - 130
A001867	Mercury (Hg)	2025/09/04	100	75 - 125			<0.01	ug/g	9.9	35	93	70 - 130
A002487	Acid Extractable Antimony (Sb)	2025/09/03	90	75 - 125	96	80 - 120	<0.20	ug/g	18	30		
A002487	Acid Extractable Arsenic (As)	2025/09/03	95	75 - 125	96	80 - 120	<1.0	ug/g	7.7	30		
A002487	Acid Extractable Barium (Ba)	2025/09/03	NC	75 - 125	97	80 - 120	<0.50	ug/g	1.1	30		
A002487	Acid Extractable Beryllium (Be)	2025/09/03	90	75 - 125	89	80 - 120	<0.20	ug/g	10	30		
A002487	Acid Extractable Boron (B)	2025/09/03	85	75 - 125	84	80 - 120	<5.0	ug/g	NC	30		
A002487	Acid Extractable Cadmium (Cd)	2025/09/03	92	75 - 125	95	80 - 120	<0.10	ug/g	4.0	30		
A002487	Acid Extractable Chromium (Cr)	2025/09/03	94	75 - 125	95	80 - 120	<1.0	ug/g	0.32	30		
A002487	Acid Extractable Cobalt (Co)	2025/09/03	92	75 - 125	96	80 - 120	<0.10	ug/g	9.7	30		
A002487	Acid Extractable Copper (Cu)	2025/09/03	91	75 - 125	96	80 - 120	<0.50	ug/g	4.5	30		
A002487	Acid Extractable Lead (Pb)	2025/09/03	90	75 - 125	96	80 - 120	<1.0	ug/g	1.0	30		
A002487	Acid Extractable Mercury (Hg)	2025/09/03	95	75 - 125	96	80 - 120	<0.050	ug/g	NC	30		
A002487	Acid Extractable Molybdenum (Mo)	2025/09/03	90	75 - 125	92	80 - 120	<0.50	ug/g	NC	30		
A002487	Acid Extractable Nickel (Ni)	2025/09/03	94	75 - 125	97	80 - 120	<0.50	ug/g	0.72	30		
A002487	Acid Extractable Selenium (Se)	2025/09/03	96	75 - 125	99	80 - 120	<0.50	ug/g	NC	30		
A002487	Acid Extractable Silver (Ag)	2025/09/03	90	75 - 125	93	80 - 120	<0.20	ug/g	NC	30		
A002487	Acid Extractable Thallium (Tl)	2025/09/03	89	75 - 125	94	80 - 120	<0.050	ug/g	NC	30		
A002487	Acid Extractable Uranium (U)	2025/09/03	95	75 - 125	100	80 - 120	<0.050	ug/g	20	30		
A002487	Acid Extractable Vanadium (V)	2025/09/03	95	75 - 125	95	80 - 120	<5.0	ug/g	0.36	30		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
A002487	Acid Extractable Zinc (Zn)	2025/09/03	NC	75 - 125	96	80 - 120	<5.0	ug/g	2.7	30		

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Louise Harding, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597056
Report Date: 2025/09/05

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

Exceedance Summary Table – Metal Mining Effluent Reg

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

C597056
2025/08/08 10:40

Custody Tracking Form

T1030632-H

Please use this form for custody tracking when submitting the work instructions via eCOC (electronic Chain of Custody). Please ensure your form has a barcode or a Bureau Veritas eCOC confirmation number in the top right hand side. This number links your electronic submission to your samples. This form should be placed in the cooler with your samples.

First Sample: T1_100_soil
Last Sample: T6_50_lichen
Sample Count: 194

Relinquished By				Received By			
		Date		Pedro da Silva		Date	2025/08/08
		Time (24 HR)				Time (24 HR)	10:40
		Date				Date	
		Time (24 HR)				Time (24 HR)	
		Date				Date	
		Time (24 HR)				Time (24 HR)	

Unless otherwise agreed to, submissions and use of services are governed by Bureau Veritas' standard terms and conditions which can be found at www.bvna.com.

Triage Information

Sampled By (Print)

of Coolers/Pkgs:

Immediate Test ☐ Rush ☐

Micro ☐

*** LABORATORY USE ONLY ***

Received At

Lab Comments:

Custody Seal		Cooling Media	Temperature °C		
Present (Y/N)	Intact (Y/N)	Present (Y/N)	1	2	3
Y	Y	Y (icepack)	19	21	21

OTT-2025-08-092

Received in Ottawa

COR FCD-00383/S

C597056
2025/08/08 10:40

eCOC: T1030632

Expected TAT: Standard TAT
Expected Arrival: 2025/08/09 21:25
Submitted By: Shan Seahrá
Submitted To: Ottawa, ON

Invoice Information

Attn: Invoicing
Agnico-Eagle
Meliadine Mine
Rankin Inlet , NU , X0C 0G0
Email to:
invoices.meliadine@agnicoeagle.com

Report Information

Attn: Reporting
Agnico-Eagle
Meliadine Mine
Rankin Inlet , NU , X0C 0G0
Email to:
meli.environment@agnicoeagle.com
randy.schwandt@agnicoeagle.com
alexandre.langlais-bourassa@agnicoeagle.com
agnico.equis@agnicoeagle.com
shan.seahra@erm.com
emily.hart@erm.com
john.baechler@agnicoeagle.com
jessica.lowey@erm.com
kevin.a.murphy@erm.com

Project Information

Quote #: C34861
PO/AFE#: 1504867
Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring

Analytical Summary

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	O.Reg 153 ICPMS Metals & Mercury (Soil)	Mercury in Vegetation by CVAA	Metals in Vegetation by ICPMS	PH CaCl2 EXTRACT	Set Number
T1_100_soil	1	2025/07/30	SOIL	1	A			A	1
T1_1000_soil	2	2025/07/30	SOIL	1	A			A	1
T1_10000_soil	3	2025/07/27	SOIL	1	A			A	1
T1_2000_soil	4	2025/07/30	SOIL	1	A			A	1
T1_250_soil	5	2025/07/30	SOIL	1	A			A	1
T1_50_soil	6	2025/07/30	SOIL	1	A			A	1
T1_5000_soil	7	2025/07/30	SOIL	1	A			A	1
T1_700_soil	8	2025/07/30	SOIL	1	A			A	1
T2_100_soil	9	2025/07/31	SOIL	1	A			A	1
T2_1000_soil	10	2025/07/31	SOIL	1	A			A	1
T2_10000_soil	11	2025/08/03	SOIL	1	A			A	1
T2_1960_soil	12	2025/07/31	SOIL	1	A			A	1
T2_250_soil	13	2025/07/31	SOIL	1	A			A	1
T2_50_soil	14	2025/07/31	SOIL	1	A			A	1
T2_500_soil	15	2025/07/31	SOIL	1	A			A	1
T2_5000_soil	16	2025/07/25	SOIL	1	A			A	1
T3_100_soil	17	2025/08/02	SOIL	1	A			A	1
T3_1000_soil	18	2025/08/01	SOIL	1	A			A	1
T3_10000_soil	19	2025/08/03	SOIL	1	A			A	1
T3_2000_soil	20	2025/08/01	SOIL	1	A			A	1
T3_250_soil	21	2025/08/02	SOIL	1	A			A	1
T3_50_soil	22	2025/08/02	SOIL	1	A			A	1
T3_500_soil	23	2025/08/02	SOIL	1	A			A	1
T3_5120_soil	24	2025/08/01	SOIL	1	A			A	1
T4_100_soil	25	2025/07/24	SOIL	1	A			A	1
T4_1000_soil	26	2025/07/24	SOIL	1	A			A	1

eCOC: T1030632

Expected TAT: Standard TAT
Expected Arrival: 2025/08/09 21:25
Submitted By: Shan Seahra
Submitted To: Ottawa, ON

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	O.Reg 153 ICPMS Metals & Mercury (Soil)	Mercury in Vegetation by CVAA	Metals in Vegetation by ICPMS	PH CaCl2 EXTRACT	Set Number
T4_10850_soil	27	2025/07/27	SOIL	1	A			A	1
T4_2000_soil	28	2025/07/24	SOIL	1	A			A	1
T4_250_soil	29	2025/07/24	SOIL	1	A			A	1
T4_50_soil	30	2025/07/24	SOIL	1	A			A	1
T4_500_soil	31	2025/07/24	SOIL	1	A			A	1
T4_5000_soil	32	2025/07/24	SOIL	1	A			A	1
T5_10000_soil	33	2025/08/04	SOIL	1	A			A	1
T5_2000_soil	34	2025/07/26	SOIL	1	A			A	1
T5_250_soil	35	2025/07/26	SOIL	1	A			A	1
T5_50_soil	36	2025/07/26	SOIL	1	A			A	1
T5_500_soil	37	2025/07/26	SOIL	1	A			A	1
T5_5000_soil	38	2025/07/26	SOIL	1	A			A	1
T6_100_soil	39	2025/07/25	SOIL	1	A			A	1
T6_1000_soil	40	2025/07/25	SOIL	1	A			A	1
T6_10000_soil	41	2025/07/27	SOIL	1	A			A	1
T6_2000_soil	42	2025/07/25	SOIL	1	A			A	1
T6_250_soil	43	2025/07/25	SOIL	1	A			A	1
T6_50_soil	44	2025/07/25	SOIL	1	A			A	1
T6_500_soil	45	2025/07/25	SOIL	1	A			A	1
T6_5000_soil	46	2025/07/25	SOIL	1	A			A	1
T7_100_soil	47	2025/08/04	SOIL	1	A			A	1
T7_1000_soil	48	2025/08/04	SOIL	1	A			A	1
T7_10000_soil	49	2025/08/03	SOIL	1	A			A	1
T7_2000_soil	50	2025/08/04	SOIL	1	A			A	1
T7_250_soil	51	2025/08/04	SOIL	1	A			A	1
T7_50_soil	52	2025/08/04	SOIL	1	A			A	1
T7_500_soil	53	2025/08/04	SOIL	1	A			A	1
T7_5000_soil	54	2025/08/01	SOIL	1	A			A	1
DUP1_soil	55	2025/07/24	SOIL	1	A			A	1
DUP2_soil	56	2025/07/24	SOIL	1	A			A	1
DUP3_soil	57	2025/07/25	SOIL	1	A			A	1
DUP4_soil	58	2025/07/25	SOIL	1	A			A	1
DUP5_soil	59	2025/07/30	SOIL	1	A			A	1
T1_100_berries	60	2025/07/30	TISSUE	1		A	A		2
T1_100_leaves	61	2025/07/30	TISSUE	1		A	A		2
T1_100_lichen	62	2025/07/30	TISSUE	1		A	A		2
T1_1000_berries	63	2025/07/30	TISSUE	1		A	A		2
T1_1000_leaves	64	2025/07/30	TISSUE	1		A	A		2
T1_1000_lichen	65	2025/07/30	TISSUE	1		A	A		2
T1_10000_berries	66	2025/07/27	TISSUE	1		A	A		2
T1_10000_leaves	67	2025/07/27	TISSUE	1		A	A		2

eCOC: T1030632

Expected TAT: Standard TAT
Expected Arrival: 2025/08/09 21:25
Submitted By: Shan Seahra
Submitted To: Ottawa, ON

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	O.Reg 153 ICPMS Metals & Mercury (Soil)	Mercury in Vegetation by CVAA	Metals in Vegetation by ICPMS	PH CaCl2 EXTRACT	Set Number
T1_10000_lichen	68	2025/07/27	TISSUE	1		A	A		2
T1_2000_berries	69	2025/07/30	TISSUE	1		A	A		2
T1_2000_leaves	70	2025/07/30	TISSUE	1		A	A		2
T1_2000_lichen	71	2025/07/30	TISSUE	1		A	A		2
T1_250_berries	72	2025/07/30	TISSUE	1		A	A		2
T1_250_leaves	73	2025/07/30	TISSUE	1		A	A		2
T1_250_lichen	74	2025/07/30	TISSUE	1		A	A		2
T1_50_berries	75	2025/07/30	TISSUE	1		A	A		2
T1_50_leaves	76	2025/07/30	TISSUE	1		A	A		2
T1_50_lichen	77	2025/07/30	TISSUE	1		A	A		2
T1_5000_berries	78	2025/07/30	TISSUE	1		A	A		2
T1_5000_leaves	79	2025/07/30	TISSUE	1		A	A		2
T1_5000_lichen	80	2025/07/30	TISSUE	1		A	A		2
T1_700_berries	81	2025/07/30	TISSUE	1		A	A		2
T1_700_leaves	82	2025/07/30	TISSUE	1		A	A		2
T1_700_lichen	83	2025/07/30	TISSUE	1		A	A		2
T2_100_berries	84	2025/07/31	TISSUE	1		A	A		2
T2_100_leaves	85	2025/07/31	TISSUE	1		A	A		2
T2_100_lichen	86	2025/07/31	TISSUE	1		A	A		2
T2_1000_berries	87	2025/07/31	TISSUE	1		A	A		2
T2_1000_leaves	88	2025/07/31	TISSUE	1		A	A		2
T2_1000_lichen	89	2025/07/31	TISSUE	1		A	A		2
T2_10000_berries	90	2025/08/03	TISSUE	1		A	A		2
T2_10000_leaves	91	2025/08/03	TISSUE	1		A	A		2
T2_10000_lichen	92	2025/08/03	TISSUE	1		A	A		2
T2_1960_berries	93	2025/07/31	TISSUE	1		A	A		2
T2_1960_leaves	94	2025/07/31	TISSUE	1		A	A		2
T2_1960_lichen	95	2025/07/31	TISSUE	1		A	A		2
T2_250_berries	96	2025/07/31	TISSUE	1		A	A		2
T2_250_leaves	97	2025/07/31	TISSUE	1		A	A		2
T2_250_lichen	98	2025/07/31	TISSUE	1		A	A		2
T2_50_berries	99	2025/07/31	TISSUE	1		A	A		2
T2_50_leaves	100	2025/07/31	TISSUE	1		A	A		2
T2_50_lichen	101	2025/07/31	TISSUE	1		A	A		2
T2_500_berries	102	2025/07/31	TISSUE	1		A	A		2
T2_500_leaves	103	2025/07/31	TISSUE	1		A	A		2
T2_500_lichen	104	2025/07/31	TISSUE	1		A	A		2
T2_5000_berries	105	2025/07/25	TISSUE	1		A	A		2
T2_5000_leaves	106	2025/07/25	TISSUE	1		A	A		2
T2_5000_lichen	107	2025/07/25	TISSUE	1		A	A		2
T3_100_berries	108	2025/08/02	TISSUE	1		A	A		2

eCOC: T1030632

Expected TAT: Standard TAT
Expected Arrival: 2025/08/09 21:25
Submitted By: Shan Seahra .
Submitted To: Ottawa, ON

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	O.Reg 153 ICPMS Metals & Mercury (Soil)	Mercury in Vegetation by CVAA	Metals in Vegetation by ICPMS	PH CaCl2 EXTRACT	Set Number
T3_100_leaves	109	2025/08/02	TISSUE	1		A	A		2
T3_100_lichen	110	2025/08/02	TISSUE	1		A	A		2
T3_1000_berries	111	2025/08/01	TISSUE	1		A	A		2
T3_1000_leaves	112	2025/08/01	TISSUE	1		A	A		2
T3_1000_lichen	113	2025/08/01	TISSUE	1		A	A		2
T3_10000_berries	114	2025/08/03	TISSUE	1		A	A		2
T3_10000_leaves	115	2025/08/03	TISSUE	1		A	A		2
T3_10000_lichen	116	2025/08/03	TISSUE	1		A	A		2
T3_2000_berries	117	2025/08/01	TISSUE	1		A	A		2
T3_2000_leaves	118	2025/08/01	TISSUE	1		A	A		2
T3_2000_lichen	119	2025/08/01	TISSUE	1		A	A		2
T3_250_berries	120	2025/08/02	TISSUE	1		A	A		2
T3_250_leaves	121	2025/08/02	TISSUE	1		A	A		2
T3_250_lichen	122	2025/08/02	TISSUE	1		A	A		2
T3_50_berries	123	2025/08/02	TISSUE	1		A	A		2
T3_50_leaves	124	2025/08/02	TISSUE	1		A	A		2
T3_50_lichen	125	2025/08/02	TISSUE	1		A	A		2
T3_500_berries	126	2025/08/02	TISSUE	1		A	A		2
T3_500_leaves	127	2025/08/02	TISSUE	1		A	A		2
T3_500_lichen	128	2025/08/02	TISSUE	1		A	A		2
T3_5120_berries	129	2025/08/01	TISSUE	1		A	A		2
T3_5120_leaves	130	2025/08/01	TISSUE	1		A	A		2
T3_5120_lichen	131	2025/08/01	TISSUE	1		A	A		2
T4_100_berries	132	2025/07/24	TISSUE	1		A	A		2
T4_100_leaves	133	2025/07/24	TISSUE	1		A	A		2
T4_100_lichen	134	2025/07/24	TISSUE	1		A	A		2
T4_1000_berries	135	2025/07/24	TISSUE	1		A	A		2
T4_1000_leaves	136	2025/07/24	TISSUE	1		A	A		2
T4_1000_lichen	137	2025/07/24	TISSUE	1		A	A		2
T4_10850_berries	138	2025/07/27	TISSUE	1		A	A		2
T4_10850_leaves	139	2025/07/27	TISSUE	1		A	A		2
T4_10850_lichen	140	2025/07/27	TISSUE	1		A	A		2
T4_2000_berries	141	2025/07/24	TISSUE	1		A	A		2
T4_2000_leaves	142	2025/07/24	TISSUE	1		A	A		2
T4_2000_lichen	143	2025/07/24	TISSUE	1		A	A		2
T4_250_berries	144	2025/07/24	TISSUE	1		A	A		2
T4_250_leaves	145	2025/07/24	TISSUE	1		A	A		2
T4_250_lichen	146	2025/07/24	TISSUE	1		A	A		2
T4_50_berries	147	2025/07/24	TISSUE	1		A	A		2
T4_50_leaves	148	2025/07/24	TISSUE	1		A	A		2
T4_50_lichen	149	2025/07/24	TISSUE	1		A	A		2

eCOC: T1030632

Expected TAT: Standard TAT
Expected Arrival: 2025/08/09 21:25
Submitted By: Shan Seahra
Submitted To: Ottawa, ON

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	O.Reg 153 ICPMS Metals & Mercury (Soil)	Mercury in Vegetation by CVAA	Metals in Vegetation by ICPMS	PH CaCl2 EXTRACT	Set Number
T4_500_berries	150	2025/07/24	TISSUE	1		A	A		2
T4_500_leaves	151	2025/07/24	TISSUE	1		A	A		2
T4_500_lichen	152	2025/07/24	TISSUE	1		A	A		2
T4_5000_berries	153	2025/07/24	TISSUE	1		A	A		2
T4_5000_leaves	154	2025/07/24	TISSUE	1		A	A		2
T4_5000_lichen	155	2025/07/24	TISSUE	1		A	A		2
T5_100_berries	156	2025/07/26	TISSUE	1		A	A		2
T5_100_leaves	157	2025/07/26	TISSUE	1		A	A		2
T5_100_lichen	158	2025/07/26	TISSUE	1		A	A		2
T5_10000_berries	159	2025/08/04	TISSUE	1		A	A		2
T5_10000_leaves	160	2025/08/04	TISSUE	1		A	A		2
T5_10000_lichen	161	2025/08/04	TISSUE	1		A	A		2
T5_2000_berries	162	2025/07/26	TISSUE	1		A	A		2
T5_2000_leaves	163	2025/07/26	TISSUE	1		A	A		2
T5_2000_lichen	164	2025/07/26	TISSUE	1		A	A		2
T5_250_berries	165	2025/07/26	TISSUE	1		A	A		2
T5_250_leaves	166	2025/07/26	TISSUE	1		A	A		2
T5_250_lichen	167	2025/07/26	TISSUE	1		A	A		2
T5_50_berries	168	2025/07/26	TISSUE	1		A	A		2
T5_50_leaves	169	2025/07/26	TISSUE	1		A	A		2
T5_50_lichen	170	2025/07/26	TISSUE	1		A	A		2
T5_500_berries	171	2025/07/26	TISSUE	1		A	A		2
T5_500_leaves	172	2025/07/26	TISSUE	1		A	A		2
T5_500_lichen	173	2025/07/26	TISSUE	1		A	A		2
T5_5000_berries	174	2025/07/26	TISSUE	1		A	A		2
T5_5000_leaves	175	2025/07/26	TISSUE	1		A	A		2
T5_5000_lichen	176	2025/07/26	TISSUE	1		A	A		2
T6_100_berries	177	2025/07/25	TISSUE	1		A	A		2
T6_100_leaves	178	2025/07/25	TISSUE	1		A	A		2
T6_100_lichen	179	2025/07/25	TISSUE	1		A	A		2
T6_1000_berries	180	2025/07/25	TISSUE	1		A	A		2
T6_1000_leaves	181	2025/07/25	TISSUE	1		A	A		2
T6_1000_lichen	182	2025/07/25	TISSUE	1		A	A		2
T6_10000_berries	183	2025/07/27	TISSUE	1		A	A		2
T6_10000_leaves	184	2025/07/27	TISSUE	1		A	A		2
T6_10000_lichen	185	2025/07/27	TISSUE	1		A	A		2
T6_2000_berries	186	2025/07/25	TISSUE	1		A	A		2
T6_2000_leaves	187	2025/07/25	TISSUE	1		A	A		2
T6_2000_lichen	188	2025/07/25	TISSUE	1		A	A		2
T6_250_berries	189	2025/07/25	TISSUE	1		A	A		2
T6_250_leaves	190	2025/07/25	TISSUE	1		A	A		2

eCOC: T1030632

Expected TAT: Standard TAT
Expected Arrival: 2025/08/09 21:25
Submitted By: Shan Seahra
Submitted To: Ottawa, ON

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	O.Reg 153 ICPMS Metals & Mercury (Soil)	Mercury in Vegetation by CVAA	Metals in Vegetation by ICPMS	PH CaCl2 EXTRACT	Set Number
T6_250_lichen	191	2025/07/25	TISSUE	1		A	A		2
T6_50_berries	192	2025/07/25	TISSUE	1		A	A		2
T6_50_leaves	193	2025/07/25	TISSUE	1		A	A		2
T6_50_lichen	194	2025/07/25	TISSUE	1		A	A		2

Deadlines are estimates only and are subject to change. Please refer to your Job Confirmation report for final due dates.

Submission Information

of Samples: 194

Your P.O. #: OL-1504867
Your Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your C.O.C. #: 1030628

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2025/08/27
Report #: R8602169
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C597059
Received: 2025/08/08, 10:40

Sample Matrix: Tissue
Samples Received: 45

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mercury in Vegetation by CVAA (1)	20	2025/08/18	2025/08/20	CAM SOP-00453	Health Canada Method
Mercury in Vegetation by CVAA (1)	2	2025/08/19	2025/08/25	CAM SOP-00453	Health Canada Method
Mercury in Vegetation by CVAA (1)	23	2025/08/25	2025/08/27	CAM SOP-00453	Health Canada Method
Metals in Vegetation by ICPMS (1)	22	N/A	2025/08/19	CAM SOP-00447	EPA 6020/200.3 m
Metals in Vegetation by ICPMS (1)	12	N/A	2025/08/25	CAM SOP-00447	EPA 6020/200.3 m
Metals in Vegetation by ICPMS (1)	11	N/A	2025/08/26	CAM SOP-00447	EPA 6020/200.3 m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8

Your P.O. #: OL-1504867
Your Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your C.O.C. #: 1030628

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2025/08/27
Report #: R8602169
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C597059
Received: 2025/08/08, 10:40

Encryption Key

Katherine Szozda
Project Manager
27 Aug 2025 17:20:27

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW67		ATWW68		ATWW69	ATWW70		
Sampling Date		2025/08/04		2025/08/04		2025/08/04	2025/08/04		
COC Number		1030628		1030628		1030628	1030628		
	UNITS	T7_1000_berries	QC Batch	T7_1000_leaves	QC Batch	T7_1000_lichen	T7_2000_berries	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	9991631	<0.05	9991741	<0.05	<0.05	0.05	9991631
Arsenic (As)	ug/g	<0.1	9991631	0.7	9991741	27.3	<0.1	0.1	9991631
Barium (Ba)	ug/g	1.1	9991631	18.9	9991741	21.3	0.6	0.3	9991631
Beryllium (Be)	ug/g	<0.05	9991631	<0.05	9991741	<0.05	<0.05	0.05	9991631
Bismuth (Bi)	ug/g	<0.05	9991631	<0.05	9991741	<0.05	<0.05	0.05	9991631
Boron (B)	ug/g	1.0	9991631	7.0	9991741	0.9	1.2	0.5	9991631
Cadmium (Cd)	ug/g	0.02	9991631	0.05	9991741	0.13	0.01	0.01	9991631
Calcium (Ca)	ug/g	135	9991631	3210	9991741	4270	123	50	9991631
Chromium (Cr)	ug/g	<0.3	9991631	<0.3	9991741	1.6	<0.3	0.3	9991631
Cobalt (Co)	ug/g	<0.005	9991631	0.022	9991741	0.285	<0.005	0.005	9991631
Copper (Cu)	ug/g	0.6	9991631	1.5	9991741	2.4	<0.5	0.5	9991631
Iron (Fe)	ug/g	<3	9991631	28	9991741	932	<3	3	9991631
Lead (Pb)	ug/g	<0.03	9991631	0.05	9991741	3.17	<0.03	0.03	9991631
Magnesium (Mg)	ug/g	<100	9991631	390	9991741	450	<100	100	9991631
Manganese (Mn)	ug/g	11.1	9991631	83.3	9991741	33.7	3.9	0.3	9991631
Molybdenum (Mo)	ug/g	<0.05	9991631	<0.05	9991741	0.13	<0.05	0.05	9991631
Nickel (Ni)	ug/g	0.13	9991631	0.17	9991741	1.14	0.28	0.05	9991631
Phosphorus (P)	ug/g	115	9991631	355	9991741	349	124	50	9991631
Potassium (K)	ug/g	1160	9991631	3320	9991741	1060	1260	100	9991631
Selenium (Se)	ug/g	<0.04	9991631	<0.04	9991741	0.18	<0.04	0.04	9991631
Silver (Ag)	ug/g	<0.05	9991631	<0.05	9991741	<0.05	<0.05	0.05	9991631
Sodium (Na)	ug/g	<50	9991631	<50	9991741	93	<50	50	9991631
Strontium (Sr)	ug/g	<0.5	9991631	8.9	9991741	15.1	<0.5	0.5	9991631
Thallium (Tl)	ug/g	<0.003	9991631	<0.003	9991741	0.004	<0.003	0.003	9991631
Tin (Sn)	ug/g	<0.3	9991631	<0.3	9991741	<0.3	<0.3	0.3	9991631
Titanium (Ti)	ug/g	<0.5	9991631	<0.5	9991741	12.8	<0.5	0.5	9991631
Uranium (U)	ug/g	<0.005	9991631	<0.005	9991741	0.022	<0.005	0.005	9991631
Vanadium (V)	ug/g	<0.05	9991631	<0.05	9991741	0.74	<0.05	0.05	9991631
Zinc (Zn)	ug/g	2	9991631	32	9991741	23	2	2	9991631

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW71	ATWW72	ATWW73	ATWW74	ATWW74		
Sampling Date		2025/08/04	2025/08/04	2025/08/04	2025/08/04	2025/08/04		
COC Number		1030628	1030628	1030628	1030628	1030628		
	UNITS	T7_2000_leaves	T7_2000_lichen	T7_250_berries	T7_250_leaves	T7_250_leaves Lab-Dup	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Arsenic (As)	ug/g	0.3	2.4	0.2	0.7	0.7	0.1	9991631
Barium (Ba)	ug/g	23.3	6.2	1.2	34.0	34.6	0.3	9991631
Beryllium (Be)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Bismuth (Bi)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Boron (B)	ug/g	5.9	<0.5	2.1	7.8	7.8	0.5	9991631
Cadmium (Cd)	ug/g	0.03	0.06	<0.01	<0.01	0.01	0.01	9991631
Calcium (Ca)	ug/g	3180	1560	185	3080	3180	50	9991631
Chromium (Cr)	ug/g	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	9991631
Cobalt (Co)	ug/g	0.031	0.077	0.005	0.050	0.049	0.005	9991631
Copper (Cu)	ug/g	1.4	0.9	0.9	1.2	1.2	0.5	9991631
Iron (Fe)	ug/g	21	122	15	59	71	3	9991631
Lead (Pb)	ug/g	<0.03	0.61	<0.03	0.06	0.07	0.03	9991631
Magnesium (Mg)	ug/g	504	239	<100	453	469	100	9991631
Manganese (Mn)	ug/g	308	56.4	3.8	158	155	0.3	9991631
Molybdenum (Mo)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Nickel (Ni)	ug/g	0.26	0.24	0.13	0.38	0.40	0.05	9991631
Phosphorus (P)	ug/g	377	309	181	409	427	50	9991631
Potassium (K)	ug/g	2660	1080	1500	2720	2880	100	9991631
Selenium (Se)	ug/g	<0.04	0.10	<0.04	<0.04	<0.04	0.04	9991631
Silver (Ag)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Sodium (Na)	ug/g	<50	95	<50	<50	<50	50	9991631
Strontium (Sr)	ug/g	7.8	4.5	<0.5	6.5	6.8	0.5	9991631
Thallium (Tl)	ug/g	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	9991631
Tin (Sn)	ug/g	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	9991631
Titanium (Ti)	ug/g	<0.5	2.5	<0.5	0.7	0.8	0.5	9991631
Uranium (U)	ug/g	<0.005	0.005	<0.005	<0.005	<0.005	0.005	9991631
Vanadium (V)	ug/g	<0.05	0.12	<0.05	0.06	0.06	0.05	9991631
Zinc (Zn)	ug/g	26	14	<2	24	25	2	9991631

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW75	ATWW76		ATWW77	ATWW77		
Sampling Date		2025/08/04	2025/08/04		2025/08/04	2025/08/04		
COC Number		1030628	1030628		1030628	1030628		
	UNITS	T7_250_lichen	T7_500_berries	QC Batch	T7_500_leaves	T7_500_leaves Lab-Dup	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	9991631	<0.05	<0.05	0.05	9991741
Arsenic (As)	ug/g	11.6	<0.1	9991631	0.5	0.5	0.1	9991741
Barium (Ba)	ug/g	13.6	1.5	9991631	19.8	18.5	0.3	9991741
Beryllium (Be)	ug/g	<0.05	<0.05	9991631	<0.05	<0.05	0.05	9991741
Bismuth (Bi)	ug/g	<0.05	<0.05	9991631	<0.05	<0.05	0.05	9991741
Boron (B)	ug/g	0.7	2.0	9991631	9.2	9.0	0.5	9991741
Cadmium (Cd)	ug/g	0.07	0.03	9991631	0.02	0.02	0.01	9991741
Calcium (Ca)	ug/g	2490	211	9991631	3050	2890	50	9991741
Chromium (Cr)	ug/g	2.5	<0.3	9991631	<0.3	<0.3	0.3	9991741
Cobalt (Co)	ug/g	0.329	<0.005	9991631	0.024	0.025	0.005	9991741
Copper (Cu)	ug/g	2.2	0.6	9991631	1.5	1.5	0.5	9991741
Iron (Fe)	ug/g	892	3	9991631	36	37	3	9991741
Lead (Pb)	ug/g	3.03	<0.03	9991631	0.04	0.03	0.03	9991741
Magnesium (Mg)	ug/g	454	<100	9991631	424	406	100	9991741
Manganese (Mn)	ug/g	45.4	17.2	9991631	107	94.9	0.3	9991741
Molybdenum (Mo)	ug/g	0.09	<0.05	9991631	<0.05	<0.05	0.05	9991741
Nickel (Ni)	ug/g	1.35	0.15	9991631	0.31	0.33	0.05	9991741
Phosphorus (P)	ug/g	317	177	9991631	350	346	50	9991741
Potassium (K)	ug/g	1070	1360	9991631	2870	2860	100	9991741
Selenium (Se)	ug/g	0.18	<0.04	9991631	<0.04	<0.04	0.04	9991741
Silver (Ag)	ug/g	<0.05	<0.05	9991631	<0.05	<0.05	0.05	9991741
Sodium (Na)	ug/g	91	<50	9991631	<50	<50	50	9991741
Strontium (Sr)	ug/g	10.6	<0.5	9991631	4.2	4.0	0.5	9991741
Thallium (Tl)	ug/g	0.007	<0.003	9991631	<0.003	<0.003	0.003	9991741
Tin (Sn)	ug/g	<0.3	<0.3	9991631	<0.3	<0.3	0.3	9991741
Titanium (Ti)	ug/g	18.1	<0.5	9991631	0.5	0.6	0.5	9991741
Uranium (U)	ug/g	0.026	<0.005	9991631	<0.005	<0.005	0.005	9991741
Vanadium (V)	ug/g	0.87	<0.05	9991631	<0.05	<0.05	0.05	9991741
Zinc (Zn)	ug/g	16	3	9991631	18	18	2	9991741

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW78	ATWW79	ATWW80	ATWW81	ATWW82	ATWW83		
Sampling Date		2025/08/04	2025/07/24	2025/07/24	2025/07/25	2025/07/25	2025/07/25		
COC Number		1030628	1030628	1030628	1030628	1030628	1030628		
	UNITS	T7_500_lichen	DUP1_berries	DUP1_leaves	DUP2_berries	DUP2_leaves	DUP3_berries	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Arsenic (As)	ug/g	6.9	<0.1	1.4	<0.1	0.9	0.2	0.1	9991631
Barium (Ba)	ug/g	12.7	0.6	13.1	1.0	18.9	2.4	0.3	9991631
Beryllium (Be)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Bismuth (Bi)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Boron (B)	ug/g	0.7	0.9	6.5	1.3	6.3	1.8	0.5	9991631
Cadmium (Cd)	ug/g	0.09	<0.01	0.05	<0.01	0.03	<0.01	0.01	9991631
Calcium (Ca)	ug/g	2340	139	2060	150	2290	250	50	9991631
Chromium (Cr)	ug/g	1.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	9991631
Cobalt (Co)	ug/g	0.162	0.014	0.070	0.006	0.040	0.009	0.005	9991631
Copper (Cu)	ug/g	1.3	0.5	1.5	0.6	1.5	0.6	0.5	9991631
Iron (Fe)	ug/g	424	<3	25	4	33	5	3	9991631
Lead (Pb)	ug/g	1.96	<0.03	0.06	<0.03	0.06	<0.03	0.03	9991631
Magnesium (Mg)	ug/g	413	<100	531	<100	406	105	100	9991631
Manganese (Mn)	ug/g	64.0	3.9	173	7.9	245	28.3	0.3	9991631
Molybdenum (Mo)	ug/g	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Nickel (Ni)	ug/g	0.69	0.21	0.62	0.18	0.76	0.17	0.05	9991631
Phosphorus (P)	ug/g	286	152	427	206	413	197	50	9991631
Potassium (K)	ug/g	1050	1470	2270	1740	2830	1400	100	9991631
Selenium (Se)	ug/g	0.17	<0.04	<0.04	<0.04	<0.04	<0.04	0.04	9991631
Silver (Ag)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Sodium (Na)	ug/g	100	<50	<50	<50	<50	<50	50	9991631
Strontium (Sr)	ug/g	7.3	<0.5	3.9	<0.5	5.3	<0.5	0.5	9991631
Thallium (Tl)	ug/g	0.005	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	9991631
Tin (Sn)	ug/g	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	9991631
Titanium (Ti)	ug/g	10.0	<0.5	<0.5	<0.5	0.6	<0.5	0.5	9991631
Uranium (U)	ug/g	0.013	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	9991631
Vanadium (V)	ug/g	0.42	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Zinc (Zn)	ug/g	19	3	20	2	19	<2	2	9991631

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		ATWW84	ATWW85	ATWW86	ATWW87	ATYZ71		
Sampling Date		2025/07/23	2025/07/30	2025/07/30	2025/07/30	2025/07/23		
COC Number		1030628	1030628	1030628	1030628	1030628		
	UNITS	DUP3_leaves	DUP4_berries	DUP5_berries	DUP5_leaves	DUP3_LEAVES - 2	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Arsenic (As)	ug/g	<0.1	<0.1	<0.1	0.5	<0.1	0.1	9991631
Barium (Ba)	ug/g	1.5	<0.3	<0.3	12.5	3.3	0.3	9991631
Beryllium (Be)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Bismuth (Bi)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Boron (B)	ug/g	6.0	1.4	1.3	6.2	6.2	0.5	9991631
Cadmium (Cd)	ug/g	0.11	0.03	0.03	0.05	0.09	0.01	9991631
Calcium (Ca)	ug/g	1760	220	172	2850	2050	50	9991631
Chromium (Cr)	ug/g	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	9991631
Cobalt (Co)	ug/g	0.022	0.013	0.009	0.029	0.061	0.005	9991631
Copper (Cu)	ug/g	1.3	<0.5	<0.5	1.3	1.3	0.5	9991631
Iron (Fe)	ug/g	15	<3	<3	25	17	3	9991631
Lead (Pb)	ug/g	<0.03	<0.03	<0.03	0.04	<0.03	0.03	9991631
Magnesium (Mg)	ug/g	1870	310	237	904	1210	100	9991631
Manganese (Mn)	ug/g	282	22.0	17.9	267	137	0.3	9991631
Molybdenum (Mo)	ug/g	0.20	0.16	0.13	0.70	0.09	0.05	9991631
Nickel (Ni)	ug/g	0.31	0.13	0.11	0.23	0.35	0.05	9991631
Phosphorus (P)	ug/g	606	328	253	427	478	50	9991631
Potassium (K)	ug/g	1950	1950	1760	2330	3260	100	9991631
Selenium (Se)	ug/g	<0.04	<0.04	<0.04	<0.04	<0.04	0.04	9991631
Silver (Ag)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Sodium (Na)	ug/g	54	<50	<50	<50	<50	50	9991631
Strontium (Sr)	ug/g	1.6	<0.5	<0.5	8.4	2.7	0.5	9991631
Thallium (Tl)	ug/g	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	9991631
Tin (Sn)	ug/g	<0.3	<0.3	<0.3	<0.3	<0.3	0.3	9991631
Titanium (Ti)	ug/g	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	9991631
Uranium (U)	ug/g	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	9991631
Vanadium (V)	ug/g	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	9991631
Zinc (Zn)	ug/g	15	3	3	21	17	2	9991631

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU43			AUDU44	AUDU45		
Sampling Date		2025/08/04			2025/08/04	2025/08/04		
COC Number		1030628			1030628	1030628		
	UNITS	T6_500_BERRIES	RDL	QC Batch	T6_500_LEAVES	T6_500_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	0.05	9996768	<0.05	<0.05	0.05	9996474
Arsenic (As)	ug/g	<0.1	0.1	9996768	0.4	4.3	0.1	9996474
Barium (Ba)	ug/g	1.5	0.3	9996768	14.2	6.0	0.3	9996474
Beryllium (Be)	ug/g	<0.05	0.05	9996768	<0.05	<0.05	0.05	9996474
Bismuth (Bi)	ug/g	<0.05	0.05	9996768	<0.05	<0.05	0.05	9996474
Boron (B)	ug/g	1.8	0.5	9996768	8.1	0.6	0.5	9996474
Cadmium (Cd)	ug/g	0.03	0.01	9996768	0.06	0.09	0.01	9996474
Calcium (Ca)	ug/g	223	50	9996768	2040	1670	50	9996474
Chromium (Cr)	ug/g	<0.3	0.3	9996768	<0.3	0.6	0.3	9996474
Cobalt (Co)	ug/g	<0.005	0.005	9996768	0.022	0.115	0.005	9996474
Copper (Cu)	ug/g	0.9	0.5	9996768	2.0	1.1	0.5	9996474
Iron (Fe)	ug/g	4	3	9996768	32	200	3	9996474
Lead (Pb)	ug/g	<0.03	0.03	9996768	0.06	0.90	0.03	9996474
Magnesium (Mg)	ug/g	101	100	9996768	369	253	100	9996474
Manganese (Mn)	ug/g	26.8	0.3	9996768	135	49.3	0.3	9996474
Molybdenum (Mo)	ug/g	<0.05	0.05	9996768	<0.05	<0.05	0.05	9996474
Nickel (Ni)	ug/g	0.15	0.05	9996768	0.46	0.48	0.05	9996474
Phosphorus (P)	ug/g	<500	500	9996768	389	364	50	9996474
Potassium (K)	ug/g	1530	100	9996768	2520	1190	100	9996474
Selenium (Se)	ug/g	<0.04	0.04	9996768	<0.04	0.09	0.04	9996474
Silver (Ag)	ug/g	<0.05	0.05	9996768	<0.05	<0.05	0.05	9996474
Sodium (Na)	ug/g	<50	50	9996768	<50	55	50	9996474
Strontium (Sr)	ug/g	<0.5	0.5	9996768	3.3	5.0	0.5	9996474
Thallium (Tl)	ug/g	<0.003	0.003	9996768	<0.003	<0.003	0.003	9996474
Tin (Sn)	ug/g	<0.3	0.3	9996768	<0.3	<0.3	0.3	9996474
Titanium (Ti)	ug/g	<0.5	0.5	9996768	<0.5	3.8	0.5	9996474
Uranium (U)	ug/g	<0.005	0.005	9996768	<0.005	0.006	0.005	9996474
Vanadium (V)	ug/g	<0.05	0.05	9996768	<0.05	0.19	0.05	9996474
Zinc (Zn)	ug/g	3	2	9996768	26	23	2	9996474

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU46	AUDU47			AUDU48		
Sampling Date		2025/08/04	2025/08/04			2025/08/04		
COC Number		1030628	1030628			1030628		
	UNITS	T6_5000_BERRIES	T6_5000_LEAVES	RDL	QC Batch	T6_5000_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	0.05	9996768	<0.05	0.05	9996474
Arsenic (As)	ug/g	<0.1	0.6	0.1	9996768	2.3	0.1	9996474
Barium (Ba)	ug/g	1.3	16.0	0.3	9996768	4.4	0.3	9996474
Beryllium (Be)	ug/g	<0.05	<0.05	0.05	9996768	<0.05	0.05	9996474
Bismuth (Bi)	ug/g	<0.05	<0.05	0.05	9996768	<0.05	0.05	9996474
Boron (B)	ug/g	1.6	7.7	0.5	9996768	<0.5	0.5	9996474
Cadmium (Cd)	ug/g	0.01	0.04	0.01	9996768	0.05	0.01	9996474
Calcium (Ca)	ug/g	236	2940	50	9996768	2120	50	9996474
Chromium (Cr)	ug/g	<0.3	<0.3	0.3	9996768	0.3	0.3	9996474
Cobalt (Co)	ug/g	<0.005	0.021	0.005	9996768	0.055	0.005	9996474
Copper (Cu)	ug/g	1.1	2.0	0.5	9996768	0.9	0.5	9996474
Iron (Fe)	ug/g	4	28	3	9996768	75	3	9996474
Lead (Pb)	ug/g	<0.03	0.04	0.03	9996768	0.82	0.03	9996474
Magnesium (Mg)	ug/g	110	397	100	9996768	212	100	9996474
Manganese (Mn)	ug/g	9.0	124	0.3	9996768	16.7	0.3	9996474
Molybdenum (Mo)	ug/g	<0.05	<0.05	0.05	9996768	<0.05	0.05	9996474
Nickel (Ni)	ug/g	0.16	0.58	0.05	9996768	0.25	0.05	9996474
Phosphorus (P)	ug/g	<500	<500	500	9996768	305	50	9996474
Potassium (K)	ug/g	1850	2420	100	9996768	1090	100	9996474
Selenium (Se)	ug/g	<0.04	<0.04	0.04	9996768	0.09	0.04	9996474
Silver (Ag)	ug/g	<0.05	<0.05	0.05	9996768	<0.05	0.05	9996474
Sodium (Na)	ug/g	<50	<50	50	9996768	70	50	9996474
Strontium (Sr)	ug/g	0.6	8.6	0.5	9996768	8.0	0.5	9996474
Thallium (Tl)	ug/g	<0.003	<0.003	0.003	9996768	<0.003	0.003	9996474
Tin (Sn)	ug/g	<0.3	<0.3	0.3	9996768	<0.3	0.3	9996474
Titanium (Ti)	ug/g	<0.5	0.5	0.5	9996768	1.6	0.5	9996474
Uranium (U)	ug/g	<0.005	<0.005	0.005	9996768	0.006	0.005	9996474
Vanadium (V)	ug/g	<0.05	<0.05	0.05	9996768	0.08	0.05	9996474
Zinc (Zn)	ug/g	3	18	2	9996768	10	2	9996474

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU49			AUDU50	AUDU51	AUDU52		
Sampling Date		2025/08/04			2025/08/04	2025/08/04	2025/08/04		
COC Number		1030628			1030628	1030628	1030628		
	UNITS	T7_100_BERRIES	RDL	QC Batch	T7_100_LEAVES	T7_100_LICHEN	T7_10000_BERRIES	RDL	QC Batch
Metals									
Antimony (Sb)	ug/g	<0.05	0.05	9996768	<0.05	<0.05	<0.05	0.05	9996474
Arsenic (As)	ug/g	<0.1	0.1	9996768	0.8	12.7	<0.1	0.1	9996474
Barium (Ba)	ug/g	1.3	0.3	9996768	6.8	11.1	1.7	0.3	9996474
Beryllium (Be)	ug/g	<0.05	0.05	9996768	<0.05	<0.05	<0.05	0.05	9996474
Bismuth (Bi)	ug/g	<0.05	0.05	9996768	<0.05	<0.05	0.09	0.05	9996474
Boron (B)	ug/g	1.8	0.5	9996768	12.2	<0.5	1.3	0.5	9996474
Cadmium (Cd)	ug/g	0.04	0.01	9996768	0.09	0.10	0.01	0.01	9996474
Calcium (Ca)	ug/g	182	50	9996768	2370	2700	171	50	9996474
Chromium (Cr)	ug/g	<0.3	0.3	9996768	<0.3	5.5	<0.3	0.3	9996474
Cobalt (Co)	ug/g	0.011	0.005	9996768	0.042	0.555	0.010	0.005	9996474
Copper (Cu)	ug/g	1.1	0.5	9996768	1.6	2.6	<0.5	0.5	9996474
Iron (Fe)	ug/g	15	3	9996768	144	1520	<3	3	9996474
Lead (Pb)	ug/g	<0.03	0.03	9996768	0.07	2.37	<0.03	0.03	9996474
Magnesium (Mg)	ug/g	105	100	9996768	1190	615	<100	100	9996474
Manganese (Mn)	ug/g	14.0	0.3	9996768	138	51.1	16.0	0.3	9996474
Molybdenum (Mo)	ug/g	<0.05	0.05	9996768	0.17	0.14	<0.05	0.05	9996474
Nickel (Ni)	ug/g	0.20	0.05	9996768	0.34	2.03	0.20	0.05	9996474
Phosphorus (P)	ug/g	<500	500	9996768	377	379	180	50	9996474
Potassium (K)	ug/g	1410	100	9996768	3870	1230	1360	100	9996474
Selenium (Se)	ug/g	<0.04	0.04	9996768	<0.04	0.12	<0.04	0.04	9996474
Silver (Ag)	ug/g	<0.05	0.05	9996768	<0.05	<0.05	<0.05	0.05	9996474
Sodium (Na)	ug/g	<50	50	9996768	163	184	<50	50	9996474
Strontium (Sr)	ug/g	0.6	0.5	9996768	5.2	15.1	<0.5	0.5	9996474
Thallium (Tl)	ug/g	<0.003	0.003	9996768	<0.003	0.009	<0.003	0.003	9996474
Tin (Sn)	ug/g	<0.3	0.3	9996768	<0.3	<0.3	<0.3	0.3	9996474
Titanium (Ti)	ug/g	<0.5	0.5	9996768	0.9	27.4	<0.5	0.5	9996474
Uranium (U)	ug/g	<0.005	0.005	9996768	<0.005	0.037	<0.005	0.005	9996474
Vanadium (V)	ug/g	<0.05	0.05	9996768	0.16	1.35	<0.05	0.05	9996474
Zinc (Zn)	ug/g	4	2	9996768	14	16	2	2	9996474

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU53	AUDU54	AUDU55	AUDU56		
Sampling Date		2025/08/04	2025/08/04	2025/08/04	2025/08/04		
COC Number		1030628	1030628	1030628	1030628		
	UNITS	T7_10000_LEAVES	T7_10000_LICHEN	T7_50_BERRIES	T7_50_LEAVES	RDL	QC Batch
Metals							
Antimony (Sb)	ug/g	<0.05	<0.05	<0.05	<0.05	0.05	9996474
Arsenic (As)	ug/g	0.2	1.8	<0.1	1.5	0.1	9996474
Barium (Ba)	ug/g	38.1	18.8	1.0	10.9	0.3	9996474
Beryllium (Be)	ug/g	<0.05	<0.05	<0.05	<0.05	0.05	9996474
Bismuth (Bi)	ug/g	<0.05	<0.05	<0.05	<0.05	0.05	9996474
Boron (B)	ug/g	7.3	0.8	1.6	8.3	0.5	9996474
Cadmium (Cd)	ug/g	0.03	0.08	0.03	0.16	0.01	9996474
Calcium (Ca)	ug/g	3020	3890	177	3740	50	9996474
Chromium (Cr)	ug/g	<0.3	1.2	<0.3	0.7	0.3	9996474
Cobalt (Co)	ug/g	0.086	0.219	0.007	0.112	0.005	9996474
Copper (Cu)	ug/g	1.9	1.5	0.6	1.9	0.5	9996474
Iron (Fe)	ug/g	17	174	14	272	3	9996474
Lead (Pb)	ug/g	0.11	0.57	<0.03	0.14	0.03	9996474
Magnesium (Mg)	ug/g	642	596	<100	909	100	9996474
Manganese (Mn)	ug/g	434	138	9.1	150	0.3	9996474
Molybdenum (Mo)	ug/g	0.07	0.16	<0.05	0.43	0.05	9996474
Nickel (Ni)	ug/g	0.53	1.04	0.13	0.60	0.05	9996474
Phosphorus (P)	ug/g	620	447	132	392	50	9996474
Potassium (K)	ug/g	2580	1390	1270	3990	100	9996474
Selenium (Se)	ug/g	<0.04	0.14	<0.04	<0.04	0.04	9996474
Silver (Ag)	ug/g	<0.05	<0.05	<0.05	<0.05	0.05	9996474
Sodium (Na)	ug/g	<50	204	<50	53	50	9996474
Strontium (Sr)	ug/g	5.6	10.4	<0.5	10.2	0.5	9996474
Thallium (Tl)	ug/g	<0.003	0.005	<0.003	<0.003	0.003	9996474
Tin (Sn)	ug/g	<0.3	<0.3	<0.3	<0.3	0.3	9996474
Titanium (Ti)	ug/g	0.5	5.4	<0.5	1.3	0.5	9996474
Uranium (U)	ug/g	<0.005	0.018	<0.005	<0.005	0.005	9996474
Vanadium (V)	ug/g	<0.05	0.24	<0.05	0.29	0.05	9996474
Zinc (Zn)	ug/g	22	22	2	18	2	9996474

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU57	AUDU57	AUDU58		AUDU59		
Sampling Date		2025/08/04	2025/08/04	2025/08/04		2025/08/04		
COC Number		1030628	1030628	1030628		1030628		
	UNITS	T7_50_LICHEN	T7_50_LICHEN Lab-Dup	T7_5000_BERRIES	RDL	T7_5000_LEAVES	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	<0.05	0.05	<0.05	0.05	9996768
Arsenic (As)	ug/g	7.9	8.5	<0.1	0.1	0.3	0.1	9996768
Barium (Ba)	ug/g	12.0	12.6	0.4	0.3	11.4	0.3	9996768
Beryllium (Be)	ug/g	<0.05	<0.05	<0.05	0.05	<0.05	0.05	9996768
Bismuth (Bi)	ug/g	<0.05	<0.05	<0.05	0.05	<0.05	0.05	9996768
Boron (B)	ug/g	0.5	0.5	2.0	0.5	7.6	0.5	9996768
Cadmium (Cd)	ug/g	0.12	0.12	0.02	0.01	0.05	0.01	9996768
Calcium (Ca)	ug/g	8720	8600	348	50	2290	50	9996768
Chromium (Cr)	ug/g	2.6	2.9	<0.3	0.3	<0.3	0.3	9996768
Cobalt (Co)	ug/g	0.360	0.376	0.007	0.005	0.043	0.005	9996768
Copper (Cu)	ug/g	1.9	1.9	0.6	0.5	1.3	0.5	9996768
Iron (Fe)	ug/g	958	1020	4	3	21	3	9996768
Lead (Pb)	ug/g	3.45	3.46	<0.03	0.03	<0.03	0.03	9996768
Magnesium (Mg)	ug/g	430	455	239	100	830	100	9996768
Manganese (Mn)	ug/g	47.2	49.3	13.1	0.3	130	0.3	9996768
Molybdenum (Mo)	ug/g	0.09	0.10	0.12	0.05	0.31	0.05	9996768
Nickel (Ni)	ug/g	1.33	1.50	0.08	0.05	0.39	0.05	9996768
Phosphorus (P)	ug/g	<500	<500	<500	500	<3000	3000	9996768
Potassium (K)	ug/g	1460	1480	1950	100	2750	100	9996768
Selenium (Se)	ug/g	0.13	0.13	<0.04	0.04	<0.04	0.04	9996768
Silver (Ag)	ug/g	<0.05	<0.05	<0.05	0.05	<0.05	0.05	9996768
Sodium (Na)	ug/g	79	83	<50	50	<50	50	9996768
Strontium (Sr)	ug/g	39.4	39.7	0.9	0.5	5.6	0.5	9996768
Thallium (Tl)	ug/g	0.007	0.007	<0.003	0.003	<0.003	0.003	9996768
Tin (Sn)	ug/g	<0.3	<0.3	<0.3	0.3	<0.3	0.3	9996768
Titanium (Ti)	ug/g	17.9	18.9	<0.5	0.5	<0.5	0.5	9996768
Uranium (U)	ug/g	0.031	0.030	<0.005	0.005	<0.005	0.005	9996768
Vanadium (V)	ug/g	0.85	0.91	<0.05	0.05	<0.05	0.05	9996768
Zinc (Zn)	ug/g	17	17	3	2	11	2	9996768

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU60	AUDU61			AUDU62		
Sampling Date		2025/08/04	2025/08/04			2025/08/04		
COC Number		1030628	1030628			1030628		
	UNITS	T7_5000_LICHEN	DUP1_LICHEN	RDL	QC Batch	DUP2_LICHEN	RDL	QC Batch
Metals								
Antimony (Sb)	ug/g	<0.05	<0.05	0.05	9996768	<0.05	0.05	9996474
Arsenic (As)	ug/g	3.6	10.6	0.1	9996768	2.6	0.1	9996474
Barium (Ba)	ug/g	14.5	4.8	0.3	9996768	4.0	0.3	9996474
Beryllium (Be)	ug/g	<0.05	<0.05	0.05	9996768	<0.05	0.05	9996474
Bismuth (Bi)	ug/g	0.06	<0.05	0.05	9996768	<0.05	0.05	9996474
Boron (B)	ug/g	0.6	0.7	0.5	9996768	<0.5	0.5	9996474
Cadmium (Cd)	ug/g	0.12	0.08	0.01	9996768	0.07	0.01	9996474
Calcium (Ca)	ug/g	5200	5010	50	9996768	3020	50	9996474
Chromium (Cr)	ug/g	0.4	0.8	0.3	9996768	1.8	0.3	9996474
Cobalt (Co)	ug/g	0.191	0.088	0.005	9996768	0.070	0.005	9996474
Copper (Cu)	ug/g	1.3	1.2	0.5	9996768	0.9	0.5	9996474
Iron (Fe)	ug/g	232	207	3	9996768	102	3	9996474
Lead (Pb)	ug/g	0.65	2.28	0.03	9996768	0.70	0.03	9996474
Magnesium (Mg)	ug/g	576	306	100	9996768	227	100	9996474
Manganese (Mn)	ug/g	62.2	20.5	0.3	9996768	17.9	0.3	9996474
Molybdenum (Mo)	ug/g	0.11	0.07	0.05	9996768	<0.05	0.05	9996474
Nickel (Ni)	ug/g	0.45	0.42	0.05	9996768	0.92	0.05	9996474
Phosphorus (P)	ug/g	<500	<500	500	9996768	341	50	9996474
Potassium (K)	ug/g	1650	1060	100	9996768	1090	100	9996474
Selenium (Se)	ug/g	0.09	0.10	0.04	9996768	0.08	0.04	9996474
Silver (Ag)	ug/g	<0.05	<0.05	0.05	9996768	<0.05	0.05	9996474
Sodium (Na)	ug/g	337	<50	50	9996768	<50	50	9996474
Strontium (Sr)	ug/g	20.1	12.2	0.5	9996768	10.6	0.5	9996474
Thallium (Tl)	ug/g	0.004	<0.003	0.003	9996768	<0.003	0.003	9996474
Tin (Sn)	ug/g	<0.3	<0.3	0.3	9996768	<0.3	0.3	9996474
Titanium (Ti)	ug/g	4.6	2.0	0.5	9996768	1.9	0.5	9996474
Uranium (U)	ug/g	0.015	<0.005	0.005	9996768	0.006	0.005	9996474
Vanadium (V)	ug/g	0.25	0.13	0.05	9996768	0.11	0.05	9996474
Zinc (Zn)	ug/g	27	14	2	9996768	18	2	9996474

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ICP/MS (TISSUE)

Bureau Veritas ID		AUDU63			AUDU64			AUDU65		
Sampling Date		2025/08/04			2025/08/04			2025/08/04		
COC Number		1030628			1030628			1030628		
	UNITS	DUP3_LICHEN	RDL	QC Batch	DUP4_LICHEN	RDL	QC Batch	DUP5_LICHEN	RDL	QC Batch
Metals										
Antimony (Sb)	ug/g	<0.05	0.05	9996768	<0.05	0.05	9996474	<0.05	0.05	9996768
Arsenic (As)	ug/g	3.4	0.1	9996768	4.1	0.1	9996474	2.0	0.1	9996768
Barium (Ba)	ug/g	3.4	0.3	9996768	1.8	0.3	9996474	3.7	0.3	9996768
Beryllium (Be)	ug/g	<0.05	0.05	9996768	<0.05	0.05	9996474	<0.05	0.05	9996768
Bismuth (Bi)	ug/g	<0.05	0.05	9996768	<0.05	0.05	9996474	<0.05	0.05	9996768
Boron (B)	ug/g	<0.5	0.5	9996768	<0.5	0.5	9996474	0.6	0.5	9996768
Cadmium (Cd)	ug/g	0.06	0.01	9996768	0.06	0.01	9996474	0.05	0.01	9996768
Calcium (Ca)	ug/g	2040	50	9996768	571	50	9996474	1560	50	9996768
Chromium (Cr)	ug/g	0.3	0.3	9996768	2.4	0.3	9996474	0.8	0.3	9996768
Cobalt (Co)	ug/g	0.057	0.005	9996768	0.084	0.005	9996474	0.138	0.005	9996768
Copper (Cu)	ug/g	0.8	0.5	9996768	1.0	0.5	9996474	0.9	0.5	9996768
Iron (Fe)	ug/g	78	3	9996768	106	3	9996474	216	3	9996768
Lead (Pb)	ug/g	2.50	0.03	9996768	1.53	0.03	9996474	1.36	0.03	9996768
Magnesium (Mg)	ug/g	190	100	9996768	180	100	9996474	182	100	9996768
Manganese (Mn)	ug/g	33.6	0.3	9996768	15.2	0.3	9996474	19.6	0.3	9996768
Molybdenum (Mo)	ug/g	<0.05	0.05	9996768	0.26	0.05	9996474	<0.05	0.05	9996768
Nickel (Ni)	ug/g	0.20	0.05	9996768	1.43	0.05	9996474	0.44	0.05	9996768
Phosphorus (P)	ug/g	<500	500	9996768	341	50	9996474	<500	500	9996768
Potassium (K)	ug/g	1180	100	9996768	1080	100	9996474	983	100	9996768
Selenium (Se)	ug/g	0.08	0.04	9996768	0.07	0.04	9996474	0.10	0.04	9996768
Silver (Ag)	ug/g	<0.05	0.05	9996768	<0.05	0.05	9996474	<0.05	0.05	9996768
Sodium (Na)	ug/g	<50	50	9996768	<50	50	9996474	<50	50	9996768
Strontium (Sr)	ug/g	5.1	0.5	9996768	2.6	0.5	9996474	9.6	0.5	9996768
Thallium (Tl)	ug/g	<0.003	0.003	9996768	<0.003	0.003	9996474	0.005	0.003	9996768
Tin (Sn)	ug/g	<0.3	0.3	9996768	<0.3	0.3	9996474	<0.3	0.3	9996768
Titanium (Ti)	ug/g	1.4	0.5	9996768	1.7	0.5	9996474	6.1	0.5	9996768
Uranium (U)	ug/g	0.007	0.005	9996768	<0.005	0.005	9996474	0.011	0.005	9996768
Vanadium (V)	ug/g	0.07	0.05	9996768	0.09	0.05	9996474	0.20	0.05	9996768
Zinc (Zn)	ug/g	13	2	9996768	6	2	9996474	9	2	9996768

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		ATWW67		ATWW68		ATWW69	ATWW70		
Sampling Date		2025/08/04		2025/08/04		2025/08/04	2025/08/04		
COC Number		1030628		1030628		1030628	1030628		
	UNITS	T7_1000_berries	QC Batch	T7_1000_leaves	QC Batch	T7_1000_lichen	T7_2000_berries	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	9991777	<0.01	9992755	0.11	<0.01	0.01	9991777

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ATWW71		ATWW72	ATWW72		ATWW73		
Sampling Date		2025/08/04		2025/08/04	2025/08/04		2025/08/04		
COC Number		1030628		1030628	1030628		1030628		
	UNITS	T7_2000_leaves	QC Batch	T7_2000_lichen	T7_2000_lichen Lab-Dup	QC Batch	T7_250_berries	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	9991777	0.08	0.09	9992755	<0.01	0.01	9991777

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		ATWW74	ATWW75	ATWW76	ATWW77	ATWW78	ATWW79		
Sampling Date		2025/08/04	2025/08/04	2025/08/04	2025/08/04	2025/08/04	2025/07/24		
COC Number		1030628	1030628	1030628	1030628	1030628	1030628		
	UNITS	T7_250_leaves	T7_250_lichen	T7_500_berries	T7_500_leaves	T7_500_lichen	DUP1_berries	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	0.10	<0.01	<0.01	0.09	<0.01	0.01	9991777

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		ATWW80	ATWW81	ATWW82	ATWW83	ATWW84	ATWW85		
Sampling Date		2025/07/24	2025/07/25	2025/07/25	2025/07/25	2025/07/23	2025/07/30		
COC Number		1030628	1030628	1030628	1030628	1030628	1030628		
	UNITS	DUP1_leaves	DUP2_berries	DUP2_leaves	DUP3_berries	DUP3_leaves	DUP4_berries	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	9991777

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		ATWW86	ATWW87	ATYZ71	ATYZ71		AUDU43		
Sampling Date		2025/07/30	2025/07/30	2025/07/23	2025/07/23		2025/08/04		
COC Number		1030628	1030628	1030628	1030628		1030628		
	UNITS	DUP5_berries	DUP5_leaves	DUP3_LEAVES - 2	DUP3_LEAVES - 2 Lab-Dup	QC Batch	T6_500_BERRIES	RDL	QC Batch
Metals									
Mercury (Hg)	ug/g	<0.01	<0.01	<0.01	<0.01	9991777	<0.01	0.01	9996865

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		AUDU44	AUDU45	AUDU46		AUDU47		
Sampling Date		2025/08/04	2025/08/04	2025/08/04		2025/08/04		
COC Number		1030628	1030628	1030628		1030628		
	UNITS	T6_500_LEAVES	T6_500_LICHEN	T6_5000_BERRIES	QC Batch	T6_5000_LEAVES	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	0.07	<0.01	9996865	<0.01	0.01	9996871

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDU48	AUDU49	AUDU50	AUDU51	AUDU52		
Sampling Date		2025/08/04	2025/08/04	2025/08/04	2025/08/04	2025/08/04		
COC Number		1030628	1030628	1030628	1030628	1030628		
	UNITS	T6_5000_LICHEN	T7_100_BERRIES	T7_100_LEAVES	T7_100_LICHEN	T7_10000_BERRIES	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	0.07	<0.01	<0.01	0.15	<0.01	0.01	9996865

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDU53	AUDU54		AUDU55	AUDU55		
Sampling Date		2025/08/04	2025/08/04		2025/08/04	2025/08/04		
COC Number		1030628	1030628		1030628	1030628		
	UNITS	T7_10000_LEAVES	T7_10000_LICHEN	QC Batch	T7_50_BERRIES	T7_50_BERRIES Lab-Dup	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	0.09	9996865	<0.01	<0.01	0.01	9996871

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

ELEMENTS BY ATOMIC SPECTROSCOPY (TISSUE)

Bureau Veritas ID		AUDU56	AUDU57	AUDU57	AUDU58	AUDU59		
Sampling Date		2025/08/04	2025/08/04	2025/08/04	2025/08/04	2025/08/04		
COC Number		1030628	1030628	1030628	1030628	1030628		
	UNITS	T7_50_LEAVES	T7_50_LICHEN	T7_50_LICHEN Lab-Dup	T7_5000_BERRIES	T7_5000_LEAVES	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	<0.01	0.07	0.08	<0.01	<0.01	0.01	9996865

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		AUDU60	AUDU61	AUDU62	AUDU63	AUDU64		
Sampling Date		2025/08/04	2025/08/04	2025/08/04	2025/08/04	2025/08/04		
COC Number		1030628	1030628	1030628	1030628	1030628		
	UNITS	T7_5000_LICHEN	DUP1_LICHEN	DUP2_LICHEN	DUP3_LICHEN	DUP4_LICHEN	RDL	QC Batch
Metals								
Mercury (Hg)	ug/g	0.06	0.10	0.05	0.07	0.05	0.01	9996865

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AUDU65		
Sampling Date		2025/08/04		
COC Number		1030628		
	UNITS	DUP5_LICHEN	RDL	QC Batch
Metals				
Mercury (Hg)	ug/g	0.08	0.01	9996871

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW67 **Collected:** 2025/08/04
Sample ID: T7_1000_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW68 **Collected:** 2025/08/04
Sample ID: T7_1000_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW69 **Collected:** 2025/08/04
Sample ID: T7_1000_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW70 **Collected:** 2025/08/04
Sample ID: T7_2000_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW71 **Collected:** 2025/08/04
Sample ID: T7_2000_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW72 **Collected:** 2025/08/04
Sample ID: T7_2000_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW72 Dup
Sample ID: T7_2000_lichen
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9992755	2025/08/19	2025/08/25	Maitri PATIL

Bureau Veritas ID: ATWW73
Sample ID: T7_250_berries
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW74
Sample ID: T7_250_leaves
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW74 Dup
Sample ID: T7_250_leaves
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW75
Sample ID: T7_250_lichen
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW76
Sample ID: T7_500_berries
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATWW77 **Collected:** 2025/08/04
Sample ID: T7_500_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW77 Dup **Collected:** 2025/08/04
Sample ID: T7_500_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Vegetation by ICPMS	ICP1/MS	9991741	N/A	2025/08/19	Prempal Bhatti

Bureau Veritas ID: ATWW78 **Collected:** 2025/08/04
Sample ID: T7_500_lichen **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW79 **Collected:** 2025/07/24
Sample ID: DUP1_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW80 **Collected:** 2025/07/24
Sample ID: DUP1_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW81 **Collected:** 2025/07/25
Sample ID: DUP2_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

TEST SUMMARY

Bureau Veritas ID: ATWW82 **Collected:** 2025/07/25
Sample ID: DUP2_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW83 **Collected:** 2025/07/25
Sample ID: DUP3_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW84 **Collected:** 2025/07/23
Sample ID: DUP3_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW85 **Collected:** 2025/07/30
Sample ID: DUP4_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW86 **Collected:** 2025/07/30
Sample ID: DUP5_berries **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATWW87 **Collected:** 2025/07/30
Sample ID: DUP5_leaves **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: ATYZ71 **Collected:** 2025/07/23
Sample ID: DUP3_LEAVES - 2 **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9991631	N/A	2025/08/19	Thuy Linh Nguyen

Bureau Veritas ID: ATYZ71 Dup **Collected:** 2025/07/23
Sample ID: DUP3_LEAVES - 2 **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9991777	2025/08/18	2025/08/20	Maitri PATIL

Bureau Veritas ID: AUDU43 **Collected:** 2025/08/04
Sample ID: T6_500_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

Bureau Veritas ID: AUDU44 **Collected:** 2025/08/04
Sample ID: T6_500_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: AUDU45 **Collected:** 2025/08/04
Sample ID: T6_500_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: AUDU46 **Collected:** 2025/08/04
Sample ID: T6_5000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

TEST SUMMARY

Bureau Veritas ID: AUDU47 **Collected:** 2025/08/04
Sample ID: T6_5000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996871	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

Bureau Veritas ID: AUDU48 **Collected:** 2025/08/04
Sample ID: T6_5000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: AUDU49 **Collected:** 2025/08/04
Sample ID: T7_100_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

Bureau Veritas ID: AUDU50 **Collected:** 2025/08/04
Sample ID: T7_100_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: AUDU51 **Collected:** 2025/08/04
Sample ID: T7_100_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: AUDU52 **Collected:** 2025/08/04
Sample ID: T7_10000_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDU53 **Collected:** 2025/08/04
Sample ID: T7_10000_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: AUDU54 **Collected:** 2025/08/04
Sample ID: T7_10000_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: AUDU55 **Collected:** 2025/08/04
Sample ID: T7_50_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996871	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: AUDU55 Dup **Collected:** 2025/08/04
Sample ID: T7_50_BERRIES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996871	2025/08/25	2025/08/27	Maitri PATIL

Bureau Veritas ID: AUDU56 **Collected:** 2025/08/04
Sample ID: T7_50_LEAVES **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: AUDU57 **Collected:** 2025/08/04
Sample ID: T7_50_LICHEN **Shipped:**
Matrix: Tissue **Received:** 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDU57 Dup
Sample ID: T7_50_LICHEN
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

Bureau Veritas ID: AUDU58
Sample ID: T7_5000_BERRIES
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

Bureau Veritas ID: AUDU59
Sample ID: T7_5000_LEAVES
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

Bureau Veritas ID: AUDU60
Sample ID: T7_5000_LICHEN
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

Bureau Veritas ID: AUDU61
Sample ID: DUP1_LICHEN
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

Bureau Veritas ID: AUDU62
Sample ID: DUP2_LICHEN
Matrix: Tissue
Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

TEST SUMMARY

Bureau Veritas ID: AUDU63
Sample ID: DUP3_LICHEN
Matrix: Tissue

Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

Bureau Veritas ID: AUDU64
Sample ID: DUP4_LICHEN
Matrix: Tissue

Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996865	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996474	N/A	2025/08/25	Indira HarryPaul

Bureau Veritas ID: AUDU65
Sample ID: DUP5_LICHEN
Matrix: Tissue

Collected: 2025/08/04
Shipped:
Received: 2025/08/08

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury in Vegetation by CVAA	CV/AA	9996871	2025/08/25	2025/08/27	Maitri PATIL
Metals in Vegetation by ICPMS	ICP1/MS	9996768	N/A	2025/08/26	Indira HarryPaul

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	20.3°C

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

QUALITY ASSURANCE REPORT

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9991631	Antimony (Sb)	2025/08/19	92	75 - 125	98	80 - 120	<0.05	ug/g	NC	30		
9991631	Arsenic (As)	2025/08/19	97	75 - 125	102	80 - 120	<0.1	ug/g	4.2	30	87	70 - 130
9991631	Barium (Ba)	2025/08/19	NC	75 - 125	98	80 - 120	<0.3	ug/g	1.9	30		
9991631	Beryllium (Be)	2025/08/19	104	75 - 125	104	80 - 120	<0.05	ug/g	NC	30		
9991631	Bismuth (Bi)	2025/08/19	98	75 - 125	98	80 - 120	<0.05	ug/g	NC	30		
9991631	Boron (B)	2025/08/19	87	75 - 125	98	80 - 120	<0.5	ug/g	0.60	30	83	70 - 130
9991631	Cadmium (Cd)	2025/08/19	95	75 - 125	98	80 - 120	<0.01	ug/g	4.0	30	85	70 - 130
9991631	Calcium (Ca)	2025/08/19	NC	75 - 125	101	80 - 120	<50	ug/g	3.3	30	89	70 - 130
9991631	Chromium (Cr)	2025/08/19	95	75 - 125	99	80 - 120	<0.3	ug/g	NC	30		
9991631	Cobalt (Co)	2025/08/19	92	75 - 125	97	80 - 120	<0.005	ug/g	2.4	30	80	70 - 130
9991631	Copper (Cu)	2025/08/19	91	75 - 125	93	80 - 120	<0.5	ug/g	1.9	30	82	70 - 130
9991631	Iron (Fe)	2025/08/19	95	75 - 125	99	80 - 120	<3	ug/g	17	30		
9991631	Lead (Pb)	2025/08/19	92	75 - 125	97	80 - 120	<0.03	ug/g	13	30	89	70 - 130
9991631	Magnesium (Mg)	2025/08/19	97	75 - 125	96	80 - 120	<100	ug/g	3.4	30	89	70 - 130
9991631	Manganese (Mn)	2025/08/19	NC	75 - 125	98	80 - 120	<0.3	ug/g	1.7	30	95	70 - 130
9991631	Molybdenum (Mo)	2025/08/19	90	75 - 125	92	80 - 120	<0.05	ug/g	NC	30		
9991631	Nickel (Ni)	2025/08/19	96	75 - 125	101	80 - 120	<0.05	ug/g	4.7	30	62	42 - 78
9991631	Phosphorus (P)	2025/08/19	NC	75 - 125	94	80 - 120	<50	ug/g	4.2	30	97	70 - 130
9991631	Potassium (K)	2025/08/19	NC	75 - 125	92	80 - 120	<100	ug/g	5.4	30	92	70 - 130
9991631	Selenium (Se)	2025/08/19	100	75 - 125	102	80 - 120	<0.04	ug/g	NC	30		
9991631	Silver (Ag)	2025/08/19	85	75 - 125	91	80 - 120	<0.05	ug/g	NC	30		
9991631	Sodium (Na)	2025/08/19	97	75 - 125	103	80 - 120	<50	ug/g	NC	30	76	70 - 130
9991631	Strontium (Sr)	2025/08/19	91	75 - 125	97	80 - 120	<0.5	ug/g	4.3	30	88	70 - 130
9991631	Thallium (Tl)	2025/08/19	90	75 - 125	95	80 - 120	<0.003	ug/g	NC	30	88	70 - 130
9991631	Tin (Sn)	2025/08/19	89	75 - 125	97	80 - 120	<0.3	ug/g	NC	30		
9991631	Titanium (Ti)	2025/08/19	96	75 - 125	101	80 - 120	<0.5	ug/g	11	30		
9991631	Uranium (U)	2025/08/19	101	75 - 125	108	80 - 120	<0.005	ug/g	NC	30	44 (1)	23 - 40
9991631	Vanadium (V)	2025/08/19	96	75 - 125	100	80 - 120	<0.05	ug/g	3.6	30	37	28 - 52
9991631	Zinc (Zn)	2025/08/19	NC	75 - 125	100	80 - 120	<2	ug/g	5.8	30	84	70 - 130
9991741	Antimony (Sb)	2025/08/19	102	75 - 125	103	80 - 120	<0.05	ug/g	NC	30		
9991741	Arsenic (As)	2025/08/19	98	75 - 125	100	80 - 120	<0.1	ug/g	7.7	30	90	70 - 130

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9991741	Barium (Ba)	2025/08/19	NC	75 - 125	97	80 - 120	<0.3	ug/g	6.8	30		
9991741	Beryllium (Be)	2025/08/19	97	75 - 125	99	80 - 120	<0.05	ug/g	NC	30		
9991741	Bismuth (Bi)	2025/08/19	97	75 - 125	98	80 - 120	<0.05	ug/g	NC	30		
9991741	Boron (B)	2025/08/19	92	75 - 125	93	80 - 120	<0.5	ug/g	1.4	30	80	70 - 130
9991741	Cadmium (Cd)	2025/08/19	96	75 - 125	97	80 - 120	<0.01	ug/g	0.20	30	86	70 - 130
9991741	Calcium (Ca)	2025/08/19	NC	75 - 125	103	80 - 120	<50	ug/g	5.3	30	93	70 - 130
9991741	Chromium (Cr)	2025/08/19	94	75 - 125	95	80 - 120	<0.3	ug/g	NC	30		
9991741	Cobalt (Co)	2025/08/19	97	75 - 125	98	80 - 120	<0.005	ug/g	5.2	30	82	70 - 130
9991741	Copper (Cu)	2025/08/19	98	75 - 125	98	80 - 120	<0.5	ug/g	0.84	30	87	70 - 130
9991741	Iron (Fe)	2025/08/19	95	75 - 125	97	80 - 120	<3	ug/g	3.1	30		
9991741	Lead (Pb)	2025/08/19	95	75 - 125	97	80 - 120	<0.03	ug/g	13	30	93	70 - 130
9991741	Magnesium (Mg)	2025/08/19	97	75 - 125	98	80 - 120	<100	ug/g	4.4	30	93	70 - 130
9991741	Manganese (Mn)	2025/08/19	NC	75 - 125	98	80 - 120	<0.3	ug/g	12	30	89	70 - 130
9991741	Molybdenum (Mo)	2025/08/19	96	75 - 125	97	80 - 120	<0.05	ug/g	NC	30		
9991741	Nickel (Ni)	2025/08/19	93	75 - 125	96	80 - 120	<0.05	ug/g	6.2	30	62	42 - 78
9991741	Phosphorus (P)	2025/08/19	NC	75 - 125	103	80 - 120	<50	ug/g	1.0	30	96	70 - 130
9991741	Potassium (K)	2025/08/19	NC	75 - 125	100	80 - 120	<100	ug/g	0.18	30	94	70 - 130
9991741	Selenium (Se)	2025/08/19	97	75 - 125	101	80 - 120	<0.04	ug/g	NC	30		
9991741	Silver (Ag)	2025/08/19	90	75 - 125	92	80 - 120	<0.05	ug/g	NC	30		
9991741	Sodium (Na)	2025/08/19	100	75 - 125	100	80 - 120	<50	ug/g	NC	30	74	70 - 130
9991741	Strontium (Sr)	2025/08/19	98	75 - 125	100	80 - 120	<0.5	ug/g	4.4	30	92	70 - 130
9991741	Thallium (Tl)	2025/08/19	94	75 - 125	97	80 - 120	<0.003	ug/g	NC	30	88	70 - 130
9991741	Tin (Sn)	2025/08/19	95	75 - 125	98	80 - 120	<0.3	ug/g	NC	30		
9991741	Titanium (Ti)	2025/08/19	101	75 - 125	104	80 - 120	<0.5	ug/g	11	30		
9991741	Uranium (U)	2025/08/19	95	75 - 125	97	80 - 120	<0.005	ug/g	NC	30	31	23 - 40
9991741	Vanadium (V)	2025/08/19	96	75 - 125	98	80 - 120	<0.05	ug/g	NC	30	39	28 - 52
9991741	Zinc (Zn)	2025/08/19	NC	75 - 125	98	80 - 120	<2	ug/g	0.79	30	83	70 - 130
9991777	Mercury (Hg)	2025/08/20	89	75 - 125			<0.01	ug/g	NC	35	95	70 - 130
9992755	Mercury (Hg)	2025/08/25	NC	75 - 125			<0.01	ug/g	3.0	35	101	70 - 130
9996474	Antimony (Sb)	2025/08/25	106	75 - 125	102	80 - 120	<0.05	ug/g	NC	30		
9996474	Arsenic (As)	2025/08/25	101	75 - 125	99	80 - 120	<0.1	ug/g	25	30	91	70 - 130

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9996474	Barium (Ba)	2025/08/25	99	75 - 125	97	80 - 120	<0.3	ug/g	0.23	30		
9996474	Beryllium (Be)	2025/08/25	97	75 - 125	94	80 - 120	<0.05	ug/g	NC	30		
9996474	Bismuth (Bi)	2025/08/25	99	75 - 125	95	80 - 120	<0.05	ug/g	NC	30		
9996474	Boron (B)	2025/08/25	94	75 - 125	90	80 - 120	<0.5	ug/g	0.16	30	82	70 - 130
9996474	Cadmium (Cd)	2025/08/25	101	75 - 125	97	80 - 120	<0.01	ug/g	0.65	30	88	70 - 130
9996474	Calcium (Ca)	2025/08/25	NC	75 - 125	100	80 - 120	<50	ug/g	1.5	30	92	70 - 130
9996474	Chromium (Cr)	2025/08/25	101	75 - 125	97	80 - 120	<0.3	ug/g	NC	30		
9996474	Cobalt (Co)	2025/08/25	105	75 - 125	101	80 - 120	<0.005	ug/g	4.8	30	87	70 - 130
9996474	Copper (Cu)	2025/08/25	103	75 - 125	97	80 - 120	<0.5	ug/g	0.74	30	89	70 - 130
9996474	Iron (Fe)	2025/08/25	102	75 - 125	99	80 - 120	<3	ug/g	0.55	30		
9996474	Lead (Pb)	2025/08/25	99	75 - 125	97	80 - 120	<0.03	ug/g	10	30	92	70 - 130
9996474	Magnesium (Mg)	2025/08/25	NC	75 - 125	99	80 - 120	<100	ug/g	2.1	30	97	70 - 130
9996474	Manganese (Mn)	2025/08/25	NC	75 - 125	100	80 - 120	<0.3	ug/g	1.3	30	94	70 - 130
9996474	Molybdenum (Mo)	2025/08/25	102	75 - 125	96	80 - 120	<0.05	ug/g	5.4	30		
9996474	Nickel (Ni)	2025/08/25	104	75 - 125	99	80 - 120	<0.05	ug/g	8.6	30	67	42 - 78
9996474	Phosphorus (P)	2025/08/25	NC	75 - 125	104	80 - 120	<50	ug/g	2.6	30	93	70 - 130
9996474	Potassium (K)	2025/08/25	NC	75 - 125	99	80 - 120	<100	ug/g	1.7	30	91	70 - 130
9996474	Selenium (Se)	2025/08/25	102	75 - 125	99	80 - 120	<0.04	ug/g	NC	30		
9996474	Silver (Ag)	2025/08/25	95	75 - 125	92	80 - 120	<0.05	ug/g	NC	30		
9996474	Sodium (Na)	2025/08/25	106	75 - 125	100	80 - 120	<50	ug/g	0.55	30	87	70 - 130
9996474	Strontium (Sr)	2025/08/25	105	75 - 125	101	80 - 120	<0.5	ug/g	1.3	30	95	70 - 130
9996474	Thallium (Tl)	2025/08/25	99	75 - 125	98	80 - 120	<0.003	ug/g	NC	30	70	70 - 130
9996474	Tin (Sn)	2025/08/25	93	75 - 125	97	80 - 120	<0.3	ug/g	NC	30		
9996474	Titanium (Ti)	2025/08/25	99	75 - 125	97	80 - 120	<0.5	ug/g	7.2	30		
9996474	Uranium (U)	2025/08/25	99	75 - 125	96	80 - 120	<0.005	ug/g	NC	30	76 (1)	23 - 40
9996474	Vanadium (V)	2025/08/25	103	75 - 125	98	80 - 120	<0.05	ug/g	NC	30	40	28 - 52
9996474	Zinc (Zn)	2025/08/25	105	75 - 125	99	80 - 120	<2	ug/g	0.35	30	86	70 - 130
9996768	Antimony (Sb)	2025/08/26	102	75 - 125	102	80 - 120	<0.05	ug/g	NC	30		
9996768	Arsenic (As)	2025/08/26	NC	75 - 125	100	80 - 120	<0.1	ug/g	8.1	30	97	70 - 130
9996768	Barium (Ba)	2025/08/26	99	75 - 125	99	80 - 120	<0.3	ug/g	5.2	30		
9996768	Beryllium (Be)	2025/08/26	98	75 - 125	98	80 - 120	<0.05	ug/g	NC	30		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9996768	Bismuth (Bi)	2025/08/26	98	75 - 125	96	80 - 120	<0.05	ug/g	NC	30		
9996768	Boron (B)	2025/08/26	93	75 - 125	95	80 - 120	<0.5	ug/g	2.5	30	88	70 - 130
9996768	Cadmium (Cd)	2025/08/26	98	75 - 125	97	80 - 120	<0.01	ug/g	0.81	30	88	70 - 130
9996768	Calcium (Ca)	2025/08/26	NC	75 - 125	98	80 - 120	<50	ug/g	1.4	30	90	70 - 130
9996768	Chromium (Cr)	2025/08/26	113	75 - 125	98	80 - 120	<0.3	ug/g	10	30		
9996768	Cobalt (Co)	2025/08/26	101	75 - 125	100	80 - 120	<0.005	ug/g	4.3	30	87	70 - 130
9996768	Copper (Cu)	2025/08/26	97	75 - 125	99	80 - 120	<0.5	ug/g	0.29	30	107	70 - 130
9996768	Iron (Fe)	2025/08/26	NC	75 - 125	100	80 - 120	<3	ug/g	6.3	30		
9996768	Lead (Pb)	2025/08/26	96	75 - 125	96	80 - 120	<0.03	ug/g	0.16	30	94	70 - 130
9996768	Magnesium (Mg)	2025/08/26	97	75 - 125	96	80 - 120	<100	ug/g	5.5	30	97	70 - 130
9996768	Manganese (Mn)	2025/08/26	NC	75 - 125	99	80 - 120	<0.3	ug/g	4.4	30	95	70 - 130
9996768	Molybdenum (Mo)	2025/08/26	97	75 - 125	96	80 - 120	<0.05	ug/g	6.4	30		
9996768	Nickel (Ni)	2025/08/26	104	75 - 125	98	80 - 120	<0.05	ug/g	12	30	68	42 - 78
9996768	Phosphorus (P)	2025/08/26	NC	75 - 125	96	80 - 120	<50	ug/g	NC	30	89	70 - 130
9996768	Potassium (K)	2025/08/26	NC	75 - 125	99	80 - 120	<100	ug/g	0.77	30	92	70 - 130
9996768	Selenium (Se)	2025/08/26	102	75 - 125	99	80 - 120	<0.04	ug/g	4.5	30		
9996768	Silver (Ag)	2025/08/26	92	75 - 125	94	80 - 120	<0.05	ug/g	NC	30		
9996768	Sodium (Na)	2025/08/26	101	75 - 125	99	80 - 120	<50	ug/g	4.8	30	79	70 - 130
9996768	Strontium (Sr)	2025/08/26	NC	75 - 125	101	80 - 120	<0.5	ug/g	0.72	30	96	70 - 130
9996768	Thallium (Tl)	2025/08/26	98	75 - 125	99	80 - 120	<0.003	ug/g	0.55	30	99	70 - 130
9996768	Tin (Sn)	2025/08/26	90	75 - 125	96	80 - 120	<0.3	ug/g	NC	30		
9996768	Titanium (Ti)	2025/08/26	NC	75 - 125	97	80 - 120	<0.5	ug/g	5.2	30		
9996768	Uranium (U)	2025/08/26	98	75 - 125	97	80 - 120	<0.005	ug/g	1.5	30	45 (1)	23 - 40
9996768	Vanadium (V)	2025/08/26	101	75 - 125	99	80 - 120	<0.05	ug/g	6.1	30	38	28 - 52
9996768	Zinc (Zn)	2025/08/26	NC	75 - 125	101	80 - 120	<2	ug/g	2.2	30	89	70 - 130
9996865	Mercury (Hg)	2025/08/27	NC (2)	75 - 125			<0.01	ug/g	10	35	87	70 - 130

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9996871	Mercury (Hg)	2025/08/27	90	75 - 125			<0.01	ug/g	NC	35	98	70 - 130

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) Matrix Spike exceeds acceptance limits, probable matrix interference

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C597059
Report Date: 2025/08/27

Agnico-Eagle
Client Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring
Your P.O. #: OL-1504867
Sampler Initials: SS

Exceedance Summary Table – Metal Mining Effluent Reg

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

C597059
2025/08/08 10:40

Custody Tracking Form

T1030628-H

Please use this form for custody tracking when submitting the work instructions via eCOC (electronic Chain of Custody). Please ensure your form has a barcode or a Bureau Veritas eCOC confirmation number in the top right hand side. This number links your electronic submission to your samples. This form should be placed in the cooler with your samples.

First Sample: T6_500_berries
Last Sample: DUP5_lichen
Sample Count: 45

Relinquished By				Received By			
		Date		Pedro da Silva		Date	2025/08/08
		Time (24 HR)				Time (24 HR)	10:40
		Date				Date	
		Time (24 HR)				Time (24 HR)	
		Date				Date	
		Time (24 HR)				Time (24 HR)	

Unless otherwise agreed to, submissions and use of services are governed by Bureau Veritas' standard terms and conditions which can be found at www.bvna.com.

Triage Information

Sampled By (Print)

of Coolers/Pkgs:

Immediate Test ☐ Rush ☐

Micro ☐

*** LABORATORY USE ONLY ***

Received At

Lab Comments:

Custody Seal		Cooling Media	Temperature °C		
Present (Y/N)	Intact (Y/N)	Present (Y/N)	1	2	3
Y ~~N~~	Y ~~N~~	Y (ice packs)	19	21	21
COD 2025/08/08					

OTT-2025-08-091

Received in Ottawa

COR FCD-00383/5

Page 1 of 1

eCOC: T1030628

Expected TAT: Standard TAT
Expected Arrival: 2025/08/09 22:00
Submitted By: Shan Seahra
Submitted To: Ottawa, ON

Invoice Information

Attn: Invoicing
Agnico-Eagle
Meliadine Mine
Rankin Inlet , NU , X0C 0G0
Email to:
invoices.meliadine@agnicoeagle.com

Report Information

Attn: Reporting
Agnico-Eagle
Meliadine Mine
Rankin Inlet , NU , X0C 0G0
Email to:
meli.environment@agnicoeagle.com
randy.schwandt@agnicoeagle.com
alexandre.langlais-bourassa@agnicoeagle.com
agnico.equis@agnicoeagle.com
shan.seahra@erm.com
emily.hart@erm.com
john.baechler@agnicoeagle.com
jessica.lowey@erm.com
kevin.a.murphy@erm.com

Project Information

Quote #: C34861
PO/AFE#: 1504867
Project #: OL-1381216
Site Location: Meliadine Veg. Monitoring

Analytical Summary

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	Mercury in Vegetation by CVAA	Metals in Vegetation by ICPMS
T6_500_berries	1	2025/07/25	TISSUE	1	A	A
T6_500_leaves	2	2025/07/25	TISSUE	1	A	A
T6_500_lichen	3	2025/07/25	TISSUE	1	A	A
T6_5000_berries	4	2025/07/25	TISSUE	1	A	A
T6_5000_leaves	5	2025/07/25	TISSUE	1	A	A
T6_5000_lichen	6	2025/07/25	TISSUE	1	A	A
T7_100_berries	7	2025/08/04	TISSUE	1	A	A
T7_100_leaves	8	2025/08/04	TISSUE	1	A	A
T7_100_lichen	9	2025/08/04	TISSUE	1	A	A
T7_1000_berries	10	2025/08/04	TISSUE	1	A	A
T7_1000_leaves	11	2025/08/04	TISSUE	1	A	A
T7_1000_lichen	12	2025/08/04	TISSUE	1	A	A
T7_10000_berries	13	2025/08/04	TISSUE	1	A	A
T7_10000_leaves	14	2025/08/04	TISSUE	1	A	A
T7_10000_lichen	15	2025/08/04	TISSUE	1	A	A
T7_2000_berries	16	2025/08/04	TISSUE	1	A	A
T7_2000_leaves	17	2025/08/04	TISSUE	1	A	A
T7_2000_lichen	18	2025/08/04	TISSUE	1	A	A
T7_250_berries	19	2025/08/04	TISSUE	1	A	A
T7_250_leaves	20	2025/08/04	TISSUE	1	A	A
T7_250_lichen	21	2025/08/04	TISSUE	1	A	A
T7_50_berries	22	2025/08/04	TISSUE	1	A	A
T7_50_leaves	23	2025/08/04	TISSUE	1	A	A
T7_50_lichen	24	2025/08/04	TISSUE	1	A	A
T7_500_berries	25	2025/08/04	TISSUE	1	A	A
T7_500_leaves	26	2025/08/04	TISSUE	1	A	A

eCOC: T1030628

Expected TAT: Standard TAT
Expected Arrival: 2025/08/09 22:00
Submitted By: Shan Seahra
Submitted To: Ottawa, ON

A: Standard TAT

Client Sample ID	Clnt Ref	Sampling Date/Time	Matrix	#Cont	Mercury in Vegetation by CVAA	Metals in Vegetation by ICPMS
T7_500_lichen	27	2025/08/04	TISSUE	1	A	A
T7_5000_berries	28	2025/08/01	TISSUE	1	A	A
T7_5000_leaves	29	2025/08/01	TISSUE	1	A	A
T7_5000_lichen	30	2025/08/01	TISSUE	1	A	A
DUP1_berries	31	2025/07/24	TISSUE	1	A	A
DUP1_leaves	32	2025/07/24	TISSUE	1	A	A
DUP1_lichen	33	2025/07/24	TISSUE	1	A	A
DUP2_berries	34	2025/07/25	TISSUE	1	A	A
DUP2_leaves	35	2025/07/25	TISSUE	1	A	A
DUP2_lichen	36	2025/07/25	TISSUE	1	A	A
DUP3_berries	37	2025/07/25	TISSUE	1	A	A
DUP3_leaves	38	2025/07/23	TISSUE	1	A	A
DUP3_lichen	39	2025/07/25	TISSUE	1	A	A
DUP4_berries	40	2025/07/30	TISSUE	1	A	A
DUP4_leaves	41	2025/07/27	TISSUE	1	A	A
DUP4_lichen	42	2025/07/25	TISSUE	1	A	A
DUP5_berries	43	2025/07/30	TISSUE	1	A	A
DUP5_leaves	44	2025/07/30	TISSUE	1	A	A
DUP5_lichen	45	2025/07/25	TISSUE	1	A	A

Deadlines are estimates only and are subject to change. Please refer to your Job Confirmation report for final due dates.

Submission Information

of Samples: 45

Your P.O. #: OL-1504867
Site Location: Meliadine
Your C.O.C. #: 1026052

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2025/04/22
Report #: R8524695
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C540645
Received: 2025/04/11, 14:40

Sample Matrix: Water
Samples Received: 10

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	10	N/A	2025/04/14	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide (1)	10	N/A	2025/04/15	CAM SOP-00102	APHA 4500-CO2 D
Biochemical Oxygen Demand (BOD) (1)	10	2025/04/12	2025/04/17	CAM SOP-00427	SM 24 5210B m
Conductivity (1)	10	N/A	2025/04/14	CAM SOP-00414	SM 24 2510 m
Dissolved Organic Carbon (DOC) (1, 4)	10	N/A	2025/04/15	CAM SOP-00446	SM 24 5310 B m
Dissolved Oxygen (1)	10	2025/04/12	2025/04/12	CAM SOP-00427	SM 24 4500 O G m
Low Level Chloride and Sulphate by AC (2)	10	N/A	2025/04/17	AB SOP-00020	SM24-4500-Cl/SO4-E m
Hardness (calculated as CaCO3) (3)	10	N/A	2025/04/17	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (3)	10	N/A	2025/04/17	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (dissolved) (3, 5)	10	N/A	2025/04/16	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Low Level (total) (3)	10	2025/04/17	2025/04/22	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	10	N/A	2025/04/22	BBY WI-00033	Auto Calc
pH (1, 6)	10	2025/04/14	2025/04/14	CAM SOP-00413	SM 24th - 4500H+ B
Total Dissolved Solids (1)	10	2025/04/12	2025/04/14	CAM SOP-00428	SM 24 2540C m
Total Organic Carbon (TOC) (1, 7)	10	N/A	2025/04/15	CAM SOP-00446	SM 24 5310B m
Low Level Total Suspended Solids (1)	10	2025/04/12	2025/04/14	CAM SOP-00428	SM 24 2540D m
Turbidity (1)	10	N/A	2025/04/15	CAM SOP-00417	SM 24 2130 B

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the

Your P.O. #: OL-1504867
Site Location: Meliadine
Your C.O.C. #: 1026052

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2025/04/22
Report #: R8524695
Version: 1 - Final

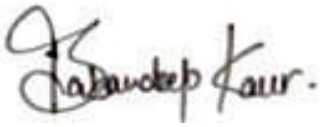
CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C540645
Received: 2025/04/11, 14:40
customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
(3) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
(4) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
(5) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
(6) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt."

(7) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.

Encryption Key



Babandeep Kaur
Project Manager 2
23 Apr 2025 10:23:16

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633
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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE68			APVE68		
Sampling Date		2025/04/05 16:30			2025/04/05 16:30		
COC Number		1026052			1026052		
	UNITS	SNOCOR T3 - 50	RDL	QC Batch	SNOCOR T3 - 50 Lab-Dup	RDL	QC Batch
Calculated Parameters							
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	2.3	1.0	9908951			
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	9908951			
Dissolved Hardness (CaCO3)	mg/L	2.84	0.50	9912296			
Inorganics							
Total BOD	mg/L	<2	2	9909023			
Conductivity	mS/cm	0.014	0.002	9909047			
Total Dissolved Solids	mg/L	10	10	9908964			
Dissolved Organic Carbon	mg/L	0.84	0.40	9910008			
Total Organic Carbon (TOC)	mg/L	0.57	0.40	9910120			
Dissolved Oxygen	mg/L	12.1	0.050	9909046	12.2	0.050	9909046
pH	pH	6.37		9909048			
Total Suspended Solids	mg/L	28	1	9908930			
Turbidity	NTU	2.1	0.1	9909675			
Alkalinity (Total as CaCO3)	mg/L	2.3	1.0	9909050			
Dissolved Sulphate (SO4)	mg/L	0.82	0.50	9913093			
Metals							
Dissolved Aluminum (Al)	ug/L	5.91	0.50	9914262			
Total Aluminum (Al)	ug/L	413 (1)	3.0	9914260	419	3.0	9914260
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	9914262			
Total Antimony (Sb)	ug/L	0.031	0.020	9914260	0.033	0.020	9914260
Dissolved Arsenic (As)	ug/L	2.53	0.020	9914262			
Total Arsenic (As)	ug/L	45.4	0.020	9914260	46.0	0.020	9914260
Dissolved Barium (Ba)	ug/L	0.405	0.020	9914262			
Total Barium (Ba)	ug/L	2.33	0.050	9914260	2.43	0.050	9914260
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	9914262			
Total Beryllium (Be)	ug/L	<0.010	0.010	9914260	0.014	0.010	9914260
Dissolved Boron (B)	ug/L	<10	10	9914262			
Total Boron (B)	ug/L	<10	10	9914260	<10	10	9914260

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
(1) Matrix Spike outside acceptance criteria due to sample matrix interference.

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

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Site Location: Meliadine
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Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE68			APVE68		
Sampling Date		2025/04/05 16:30			2025/04/05 16:30		
COC Number		1026052			1026052		
	UNITS	SNOCOR T3 - 50	RDL	QC Batch	SNOCOR T3 - 50 Lab-Dup	RDL	QC Batch
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	9914262			
Total Cadmium (Cd)	ug/L	0.0118	0.0050	9914260	0.0107	0.0050	9914260
Dissolved Chromium (Cr)	ug/L	0.10	0.10	9914262			
Total Chromium (Cr)	ug/L	1.07	0.10	9914260	1.11	0.10	9914260
Dissolved Cobalt (Co)	ug/L	0.0227	0.0050	9914262			
Total Cobalt (Co)	ug/L	0.196	0.010	9914260	0.200	0.010	9914260
Dissolved Copper (Cu)	ug/L	0.189	0.050	9914262			
Total Copper (Cu)	ug/L	1.05	0.10	9914260	1.09	0.10	9914260
Dissolved Iron (Fe)	ug/L	15.1	1.0	9914262			
Total Iron (Fe)	ug/L	1300	5.0	9914260	1290	5.0	9914260
Dissolved Lead (Pb)	ug/L	0.120	0.0050	9914262			
Total Lead (Pb)	ug/L	3.15	0.020	9914260	3.21	0.020	9914260
Dissolved Lithium (Li)	ug/L	<0.50	0.50	9914262			
Total Lithium (Li)	ug/L	<0.50	0.50	9914260	<0.50	0.50	9914260
Dissolved Manganese (Mn)	ug/L	6.99	0.050	9914262			
Total Manganese (Mn)	ug/L	16.1	0.10	9914260	16.5	0.10	9914260
Dissolved Molybdenum (Mo)	ug/L	<0.050	0.050	9914262			
Total Molybdenum (Mo)	ug/L	<0.050	0.050	9914260	<0.050	0.050	9914260
Dissolved Nickel (Ni)	ug/L	0.103	0.020	9914262			
Total Nickel (Ni)	ug/L	0.79	0.10	9914260	0.81	0.10	9914260
Dissolved Selenium (Se)	ug/L	<0.040	0.040	9914262			
Total Selenium (Se)	ug/L	<0.040	0.040	9914260	<0.040	0.040	9914260
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	9914262			
Total Silver (Ag)	ug/L	<0.010	0.010	9914260	<0.010	0.010	9914260
Dissolved Strontium (Sr)	ug/L	3.48	0.050	9914262			
Total Strontium (Sr)	ug/L	4.94	0.050	9914260	5.11	0.050	9914260
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	9914262			
Total Thallium (Tl)	ug/L	0.0031	0.0020	9914260	0.0020	0.0020	9914260
Dissolved Tin (Sn)	ug/L	<0.20	0.20	9914262			
Total Tin (Sn)	ug/L	<0.20	0.20	9914260	<0.20	0.20	9914260

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Bureau Veritas ID		APVE68			APVE68		
Sampling Date		2025/04/05 16:30			2025/04/05 16:30		
COC Number		1026052			1026052		
	UNITS	SNOCOR T3 - 50	RDL	QC Batch	SNOCOR T3 - 50 Lab-Dup	RDL	QC Batch
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	9914262			
Total Titanium (Ti)	ug/L	6.3	2.0	9914260	6.4	2.0	9914260
Dissolved Uranium (U)	ug/L	0.0028	0.0020	9914262			
Total Uranium (U)	ug/L	0.0084	0.0050	9914260	0.0094	0.0050	9914260
Dissolved Vanadium (V)	ug/L	<0.20	0.20	9914262			
Total Vanadium (V)	ug/L	0.57	0.20	9914260	0.58	0.20	9914260
Dissolved Zinc (Zn)	ug/L	1.30	0.10	9914262			
Total Zinc (Zn)	ug/L	3.5	1.0	9914260	3.6	1.0	9914260
Dissolved Calcium (Ca)	mg/L	0.883	0.050	9914261			
Total Calcium (Ca)	mg/L	1.19	0.25	9914259			
Dissolved Magnesium (Mg)	mg/L	0.154	0.050	9914261			
Total Magnesium (Mg)	mg/L	0.36	0.25	9914259			
Dissolved Potassium (K)	mg/L	0.062	0.050	9914261			
Total Potassium (K)	mg/L	<0.25	0.25	9914259			
Dissolved Sodium (Na)	mg/L	0.676	0.050	9914261			
Total Sodium (Na)	mg/L	0.61	0.25	9914259			

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Site Location: Meliadine
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Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE69			APVE69		
Sampling Date		2025/04/05 16:23			2025/04/05 16:23		
COC Number		1026052			1026052		
	UNITS	SNOCOR T3 - 100	RDL	QC Batch	SNOCOR T3 - 100 Lab-Dup	RDL	QC Batch
Calculated Parameters							
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	9908951			
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	9908951			
Dissolved Hardness (CaCO3)	mg/L	1.56	0.50	9912296			
Inorganics							
Total BOD	mg/L	<2	2	9909023			
Conductivity	mS/cm	0.013	0.002	9909047			
Total Dissolved Solids	mg/L	<10	10	9908964			
Dissolved Organic Carbon	mg/L	<0.40	0.40	9910008			
Total Organic Carbon (TOC)	mg/L	0.55	0.40	9910120	0.65	0.40	9910120
Dissolved Oxygen	mg/L	12.1	0.050	9909046			
pH	pH	5.83		9909048			
Total Suspended Solids	mg/L	9	1	9908930			
Turbidity	NTU	0.4	0.1	9909675			
Alkalinity (Total as CaCO3)	mg/L	<1.0	1.0	9909050			
Dissolved Sulphate (SO4)	mg/L	<0.50	0.50	9913093			
Metals							
Dissolved Aluminum (Al)	ug/L	3.19	0.50	9914262			
Total Aluminum (Al)	ug/L	112	3.0	9914260			
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	9914262			
Total Antimony (Sb)	ug/L	<0.020	0.020	9914260			
Dissolved Arsenic (As)	ug/L	0.658	0.020	9914262			
Total Arsenic (As)	ug/L	6.02	0.020	9914260			
Dissolved Barium (Ba)	ug/L	0.297	0.020	9914262			
Total Barium (Ba)	ug/L	0.786	0.050	9914260			
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	9914262			
Total Beryllium (Be)	ug/L	<0.010	0.010	9914260			
Dissolved Boron (B)	ug/L	<10	10	9914262			
Total Boron (B)	ug/L	<10	10	9914260			
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	9914262			

RDL = Reportable Detection Limit
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Bureau Veritas Job #: C540645
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RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE69			APVE69		
Sampling Date		2025/04/05 16:23			2025/04/05 16:23		
COC Number		1026052			1026052		
	UNITS	SNOCOR T3 - 100	RDL	QC Batch	SNOCOR T3 - 100 Lab-Dup	RDL	QC Batch
Total Cadmium (Cd)	ug/L	<0.0050	0.0050	9914260			
Dissolved Chromium (Cr)	ug/L	0.15	0.10	9914262			
Total Chromium (Cr)	ug/L	0.35	0.10	9914260			
Dissolved Cobalt (Co)	ug/L	0.0115	0.0050	9914262			
Total Cobalt (Co)	ug/L	0.048	0.010	9914260			
Dissolved Copper (Cu)	ug/L	0.088	0.050	9914262			
Total Copper (Cu)	ug/L	0.25	0.10	9914260			
Dissolved Iron (Fe)	ug/L	9.0	1.0	9914262			
Total Iron (Fe)	ug/L	330	5.0	9914260			
Dissolved Lead (Pb)	ug/L	0.0326	0.0050	9914262			
Total Lead (Pb)	ug/L	0.721	0.020	9914260			
Dissolved Lithium (Li)	ug/L	<0.50	0.50	9914262			
Total Lithium (Li)	ug/L	<0.50	0.50	9914260			
Dissolved Manganese (Mn)	ug/L	2.06	0.050	9914262			
Total Manganese (Mn)	ug/L	4.04	0.10	9914260			
Dissolved Molybdenum (Mo)	ug/L	<0.050	0.050	9914262			
Total Molybdenum (Mo)	ug/L	<0.050	0.050	9914260			
Dissolved Nickel (Ni)	ug/L	0.052	0.020	9914262			
Total Nickel (Ni)	ug/L	0.22	0.10	9914260			
Dissolved Selenium (Se)	ug/L	<0.040	0.040	9914262			
Total Selenium (Se)	ug/L	<0.040	0.040	9914260			
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	9914262			
Total Silver (Ag)	ug/L	<0.010	0.010	9914260			
Dissolved Strontium (Sr)	ug/L	1.88	0.050	9914262			
Total Strontium (Sr)	ug/L	2.25	0.050	9914260			
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	9914262			
Total Thallium (Tl)	ug/L	<0.0020	0.0020	9914260			
Dissolved Tin (Sn)	ug/L	<0.20	0.20	9914262			
Total Tin (Sn)	ug/L	<0.20	0.20	9914260			
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	9914262			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE69			APVE69		
Sampling Date		2025/04/05 16:23			2025/04/05 16:23		
COC Number		1026052			1026052		
	UNITS	SNOCOR T3 - 100	RDL	QC Batch	SNOCOR T3 - 100 Lab-Dup	RDL	QC Batch
Total Titanium (Ti)	ug/L	<2.0	2.0	9914260			
Dissolved Uranium (U)	ug/L	<0.0020	0.0020	9914262			
Total Uranium (U)	ug/L	<0.0050	0.0050	9914260			
Dissolved Vanadium (V)	ug/L	<0.20	0.20	9914262			
Total Vanadium (V)	ug/L	<0.20	0.20	9914260			
Dissolved Zinc (Zn)	ug/L	1.66	0.10	9914262			
Total Zinc (Zn)	ug/L	2.0	1.0	9914260			
Dissolved Calcium (Ca)	mg/L	0.319	0.050	9914261			
Total Calcium (Ca)	mg/L	0.38	0.25	9914259			
Dissolved Magnesium (Mg)	mg/L	0.185	0.050	9914261			
Total Magnesium (Mg)	mg/L	<0.25	0.25	9914259			
Dissolved Potassium (K)	mg/L	0.060	0.050	9914261			
Total Potassium (K)	mg/L	<0.25	0.25	9914259			
Dissolved Sodium (Na)	mg/L	1.23	0.050	9914261			
Total Sodium (Na)	mg/L	1.16	0.25	9914259			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE70		APVE71		APVE72		
Sampling Date		2025/04/05 16:15		2025/04/05 16:05		2025/04/05 15:42		
COC Number		1026052		1026052		1026052		
	UNITS	SNOCOR T3 - 250	QC Batch	SNOCOR T3 - 500	QC Batch	SNOCOR T3 - 1000	RDL	QC Batch
Calculated Parameters								
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	1.1	9908951	<1.0	9908951	1.6	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	9908951	<1.0	9908951	<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L	1.24	9912296	2.13	9912296	2.36	0.50	9912296
Inorganics								
Total BOD	mg/L	<2	9909023	<2	9909023	<2	2	9909023
Conductivity	mS/cm	0.010	9909047	0.015	9909047	0.013	0.002	9909047
Total Dissolved Solids	mg/L	<10	9908964	25	9908964	15	10	9908964
Dissolved Organic Carbon	mg/L	0.57	9910008	0.75	9910008	0.72	0.40	9910008
Total Organic Carbon (TOC)	mg/L	<0.40	9910120	0.50	9910120	0.42	0.40	9910120
Dissolved Oxygen	mg/L	12.2	9909046	12.4	9909046	12.2	0.050	9909046
pH	pH	5.97	9909048	5.80	9909048	6.16		9909048
Total Suspended Solids	mg/L	9	9908930	7	9908930	20	1	9908930
Turbidity	NTU	0.5	9909675	0.4	9909675	1.4	0.1	9909675
Alkalinity (Total as CaCO3)	mg/L	1.1	9909050	<1.0	9909050	1.6	1.0	9909050
Dissolved Sulphate (SO4)	mg/L	<0.50	9913093	0.68	9913094	0.67	0.50	9913093
Metals								
Dissolved Aluminum (Al)	ug/L	0.52	9914262	2.55	9914262	4.49	0.50	9914262
Total Aluminum (Al)	ug/L	142	9914260	87.9	9914260	347	3.0	9914260
Dissolved Antimony (Sb)	ug/L	<0.020	9914262	<0.020	9914262	<0.020	0.020	9914262
Total Antimony (Sb)	ug/L	<0.020	9914260	<0.020	9914260	0.022	0.020	9914260
Dissolved Arsenic (As)	ug/L	0.378	9914262	0.669	9914262	1.10	0.020	9914262
Total Arsenic (As)	ug/L	10.1	9914260	7.13	9914260	18.4	0.020	9914260
Dissolved Barium (Ba)	ug/L	0.195	9914262	0.321	9914262	0.466	0.020	9914262
Total Barium (Ba)	ug/L	0.803	9914260	0.856	9914260	2.22	0.050	9914260
Dissolved Beryllium (Be)	ug/L	<0.010	9914262	<0.010	9914262	<0.010	0.010	9914262
Total Beryllium (Be)	ug/L	<0.010	9914260	<0.010	9914260	<0.010	0.010	9914260
Dissolved Boron (B)	ug/L	<10	9914262	<10	9914262	<10	10	9914262
Total Boron (B)	ug/L	<10	9914260	<10	9914260	<10	10	9914260
Dissolved Cadmium (Cd)	ug/L	<0.0050	9914262	<0.0050	9914262	<0.0050	0.0050	9914262
Total Cadmium (Cd)	ug/L	<0.0050	9914260	<0.0050	9914260	0.0059	0.0050	9914260

RDL = Reportable Detection Limit
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Bureau Veritas Job #: C540645
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Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE70		APVE71		APVE72		
Sampling Date		2025/04/05 16:15		2025/04/05 16:05		2025/04/05 15:42		
COC Number		1026052		1026052		1026052		
	UNITS	SNOCOR T3 - 250	QC Batch	SNOCOR T3 - 500	QC Batch	SNOCOR T3 - 1000	RDL	QC Batch
Dissolved Chromium (Cr)	ug/L	0.10	9914262	<0.10	9914262	0.10	0.10	9914262
Total Chromium (Cr)	ug/L	0.43	9914260	0.32	9914260	0.88	0.10	9914260
Dissolved Cobalt (Co)	ug/L	0.0078	9914262	0.0254	9914262	0.0193	0.0050	9914262
Total Cobalt (Co)	ug/L	0.090	9914260	0.058	9914260	0.159	0.010	9914260
Dissolved Copper (Cu)	ug/L	0.090	9914262	0.116	9914262	0.200	0.050	9914262
Total Copper (Cu)	ug/L	0.36	9914260	0.24	9914260	0.64	0.10	9914260
Dissolved Iron (Fe)	ug/L	8.2	9914262	9.6	9914262	13.3	1.0	9914262
Total Iron (Fe)	ug/L	438	9914260	296	9914260	1030	5.0	9914260
Dissolved Lead (Pb)	ug/L	0.234	9914262	0.0631	9914262	0.0791	0.0050	9914262
Total Lead (Pb)	ug/L	0.934	9914260	0.880	9914260	3.47	0.020	9914260
Dissolved Lithium (Li)	ug/L	<0.50	9914262	<0.50	9914262	<0.50	0.50	9914262
Total Lithium (Li)	ug/L	<0.50	9914260	<0.50	9914260	<0.50	0.50	9914260
Dissolved Manganese (Mn)	ug/L	2.41	9914262	4.55	9914262	5.08	0.050	9914262
Total Manganese (Mn)	ug/L	5.41	9914260	7.57	9914260	13.2	0.10	9914260
Dissolved Molybdenum (Mo)	ug/L	<0.050	9914262	<0.050	9914262	<0.050	0.050	9914262
Total Molybdenum (Mo)	ug/L	<0.050	9914260	<0.050	9914260	<0.050	0.050	9914260
Dissolved Nickel (Ni)	ug/L	0.047	9914262	0.055	9914262	0.080	0.020	9914262
Total Nickel (Ni)	ug/L	0.29	9914260	0.23	9914260	0.66	0.10	9914260
Dissolved Selenium (Se)	ug/L	<0.040	9914262	<0.040	9914262	<0.040	0.040	9914262
Total Selenium (Se)	ug/L	<0.040	9914260	<0.040	9914260	<0.040	0.040	9914260
Dissolved Silver (Ag)	ug/L	<0.0050	9914262	<0.0050	9914262	<0.0050	0.0050	9914262
Total Silver (Ag)	ug/L	<0.010	9914260	<0.010	9914260	<0.010	0.010	9914260
Dissolved Strontium (Sr)	ug/L	1.53	9914262	2.19	9914262	3.28	0.050	9914262
Total Strontium (Sr)	ug/L	2.10	9914260	2.92	9914260	4.44	0.050	9914260
Dissolved Thallium (Tl)	ug/L	<0.0020	9914262	<0.0020	9914262	<0.0020	0.0020	9914262
Total Thallium (Tl)	ug/L	<0.0020	9914260	<0.0020	9914260	0.0027	0.0020	9914260
Dissolved Tin (Sn)	ug/L	<0.20	9914262	<0.20	9914262	<0.20	0.20	9914262
Total Tin (Sn)	ug/L	<0.20	9914260	<0.20	9914260	<0.20	0.20	9914260
Dissolved Titanium (Ti)	ug/L	<0.50	9914262	<0.50	9914262	<0.50	0.50	9914262
Total Titanium (Ti)	ug/L	<2.0	9914260	<2.0	9914260	4.5	2.0	9914260
Dissolved Uranium (U)	ug/L	<0.0020	9914262	0.0023	9914262	0.0022	0.0020	9914262

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE70		APVE71		APVE72		
Sampling Date		2025/04/05 16:15		2025/04/05 16:05		2025/04/05 15:42		
COC Number		1026052		1026052		1026052		
	UNITS	SNOCOR T3 - 250	QC Batch	SNOCOR T3 - 500	QC Batch	SNOCOR T3 - 1000	RDL	QC Batch
Total Uranium (U)	ug/L	<0.0050	9914260	<0.0050	9914260	0.0057	0.0050	9914260
Dissolved Vanadium (V)	ug/L	<0.20	9914262	<0.20	9914262	<0.20	0.20	9914262
Total Vanadium (V)	ug/L	<0.20	9914260	<0.20	9914260	0.48	0.20	9914260
Dissolved Zinc (Zn)	ug/L	1.31	9914262	1.38	9914262	1.88	0.10	9914262
Total Zinc (Zn)	ug/L	2.3	9914260	2.2	9914260	3.4	1.0	9914260
Dissolved Calcium (Ca)	mg/L	0.274	9914261	0.386	9914261	0.647	0.050	9914261
Total Calcium (Ca)	mg/L	0.39	9914259	0.51	9914259	0.91	0.25	9914259
Dissolved Magnesium (Mg)	mg/L	0.135	9914261	0.284	9914261	0.182	0.050	9914261
Total Magnesium (Mg)	mg/L	<0.25	9914259	0.34	9914259	0.35	0.25	9914259
Dissolved Potassium (K)	mg/L	<0.050	9914261	0.086	9914261	0.087	0.050	9914261
Total Potassium (K)	mg/L	<0.25	9914259	<0.25	9914259	<0.25	0.25	9914259
Dissolved Sodium (Na)	mg/L	0.858	9914261	1.33	9914261	0.980	0.050	9914261
Total Sodium (Na)	mg/L	0.88	9914259	1.42	9914259	0.90	0.25	9914259

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE73	APVE74	APVE75		
Sampling Date		2025/04/05 15:54	2025/04/05 13:49	2025/04/05 15:07		
COC Number		1026052	1026052	1026052		
	UNITS	SNOCOR T3 - 2000	SNOCOR T3 - 5000	SNOCOR T3 - 10000	RDL	QC Batch
Calculated Parameters						
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	1.9	<1.0	1.0	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	<1.0	<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L	5.73	1.08	0.90	0.50	9912296
Inorganics						
Total BOD	mg/L	<2	<2	<2	2	9909023
Conductivity	mS/cm	0.023	0.008	0.010	0.002	9909047
Total Dissolved Solids	mg/L	15	10	10	10	9908964
Dissolved Organic Carbon	mg/L	0.96	0.78	0.73	0.40	9910008
Total Organic Carbon (TOC)	mg/L	0.77	0.62	0.49	0.40	9910120
Dissolved Oxygen	mg/L	12.2	12.1	12.1	0.050	9909046
pH	pH	6.28	5.72	5.85		9909048
Total Suspended Solids	mg/L	15	5	3	1	9908930
Turbidity	NTU	2.1	0.9	0.3	0.1	9909675
Alkalinity (Total as CaCO3)	mg/L	1.9	<1.0	1.0	1.0	9909050
Dissolved Sulphate (SO4)	mg/L	2.8	<0.50	<0.50	0.50	9913093
Metals						
Dissolved Aluminum (Al)	ug/L	4.76	2.64	2.05	0.50	9914262
Total Aluminum (Al)	ug/L	263	96.6	56.0	3.0	9914260
Dissolved Antimony (Sb)	ug/L	<0.020	<0.020	<0.020	0.020	9914262
Total Antimony (Sb)	ug/L	0.025	<0.020	<0.020	0.020	9914260
Dissolved Arsenic (As)	ug/L	2.19	1.05	0.356	0.020	9914262
Total Arsenic (As)	ug/L	28.3	7.08	2.98	0.020	9914260
Dissolved Barium (Ba)	ug/L	1.38	0.415	0.168	0.020	9914262
Total Barium (Ba)	ug/L	2.96	0.923	0.483	0.050	9914260
Dissolved Beryllium (Be)	ug/L	<0.010	<0.010	<0.010	0.010	9914262
Total Beryllium (Be)	ug/L	<0.010	<0.010	<0.010	0.010	9914260
Dissolved Boron (B)	ug/L	<10	<10	<10	10	9914262
Total Boron (B)	ug/L	<10	<10	<10	10	9914260
Dissolved Cadmium (Cd)	ug/L	0.0057	<0.0050	<0.0050	0.0050	9914262
Total Cadmium (Cd)	ug/L	0.0051	<0.0050	<0.0050	0.0050	9914260

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE73	APVE74	APVE75		
Sampling Date		2025/04/05 15:54	2025/04/05 13:49	2025/04/05 15:07		
COC Number		1026052	1026052	1026052		
	UNITS	SNOCOR T3 - 2000	SNOCOR T3 - 5000	SNOCOR T3 - 10000	RDL	QC Batch
Dissolved Chromium (Cr)	ug/L	0.14	0.14	0.16	0.10	9914262
Total Chromium (Cr)	ug/L	0.74	0.47	0.25	0.10	9914260
Dissolved Cobalt (Co)	ug/L	0.0263	0.0196	0.0088	0.0050	9914262
Total Cobalt (Co)	ug/L	0.147	0.060	0.030	0.010	9914260
Dissolved Copper (Cu)	ug/L	0.321	0.341	0.100	0.050	9914262
Total Copper (Cu)	ug/L	0.95	0.76	0.21	0.10	9914260
Dissolved Iron (Fe)	ug/L	14.6	9.0	7.3	1.0	9914262
Total Iron (Fe)	ug/L	917	298	162	5.0	9914260
Dissolved Lead (Pb)	ug/L	0.0992	0.0561	0.0500	0.0050	9914262
Total Lead (Pb)	ug/L	1.90	0.609	0.296	0.020	9914260
Dissolved Lithium (Li)	ug/L	<0.50	<0.50	<0.50	0.50	9914262
Total Lithium (Li)	ug/L	<0.50	<0.50	<0.50	0.50	9914260
Dissolved Manganese (Mn)	ug/L	5.59	2.10	1.12	0.050	9914262
Total Manganese (Mn)	ug/L	11.9	4.14	2.26	0.10	9914260
Dissolved Molybdenum (Mo)	ug/L	<0.050	<0.050	<0.050	0.050	9914262
Total Molybdenum (Mo)	ug/L	0.051	0.067	<0.050	0.050	9914260
Dissolved Nickel (Ni)	ug/L	0.120	0.126	0.038	0.020	9914262
Total Nickel (Ni)	ug/L	0.64	0.45	0.26	0.10	9914260
Dissolved Selenium (Se)	ug/L	<0.040	<0.040	<0.040	0.040	9914262
Total Selenium (Se)	ug/L	0.045	<0.040	<0.040	0.040	9914260
Dissolved Silver (Ag)	ug/L	<0.0050	<0.0050	<0.0050	0.0050	9914262
Total Silver (Ag)	ug/L	<0.010	<0.010	<0.010	0.010	9914260
Dissolved Strontium (Sr)	ug/L	7.61	1.57	1.10	0.050	9914262
Total Strontium (Sr)	ug/L	8.70	1.98	1.36	0.050	9914260
Dissolved Thallium (Tl)	ug/L	<0.0020	<0.0020	<0.0020	0.0020	9914262
Total Thallium (Tl)	ug/L	<0.0020	<0.0020	<0.0020	0.0020	9914260
Dissolved Tin (Sn)	ug/L	<0.20	<0.20	<0.20	0.20	9914262
Total Tin (Sn)	ug/L	<0.20	<0.20	<0.20	0.20	9914260
Dissolved Titanium (Ti)	ug/L	<0.50	<0.50	<0.50	0.50	9914262
Total Titanium (Ti)	ug/L	3.7	<2.0	<2.0	2.0	9914260
Dissolved Uranium (U)	ug/L	0.0036	<0.0020	<0.0020	0.0020	9914262

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE73	APVE74	APVE75		
Sampling Date		2025/04/05 15:54	2025/04/05 13:49	2025/04/05 15:07		
COC Number		1026052	1026052	1026052		
	UNITS	SNOCOR T3 - 2000	SNOCOR T3 - 5000	SNOCOR T3 - 10000	RDL	QC Batch
Total Uranium (U)	ug/L	0.0060	<0.0050	<0.0050	0.0050	9914260
Dissolved Vanadium (V)	ug/L	<0.20	<0.20	<0.20	0.20	9914262
Total Vanadium (V)	ug/L	0.39	<0.20	<0.20	0.20	9914260
Dissolved Zinc (Zn)	ug/L	2.38	2.33	1.66	0.10	9914262
Total Zinc (Zn)	ug/L	4.1	2.9	2.0	1.0	9914260
Dissolved Calcium (Ca)	mg/L	1.83	0.277	0.135	0.050	9914261
Total Calcium (Ca)	mg/L	2.19	0.36	<0.25	0.25	9914259
Dissolved Magnesium (Mg)	mg/L	0.281	0.093	0.137	0.050	9914261
Total Magnesium (Mg)	mg/L	0.43	<0.25	<0.25	0.25	9914259
Dissolved Potassium (K)	mg/L	0.128	0.057	0.052	0.050	9914261
Total Potassium (K)	mg/L	<0.25	<0.25	<0.25	0.25	9914259
Dissolved Sodium (Na)	mg/L	0.989	0.606	0.896	0.050	9914261
Total Sodium (Na)	mg/L	1.05	0.63	0.95	0.25	9914259

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE75			APVE76	APVE77		
Sampling Date		2025/04/05 15:07			2025/04/05 15:07	2025/04/05 14:42		
COC Number		1026052			1026052	1026052		
	UNITS	SNOCOR T3 - 10000 Lab-Dup	RDL	QC Batch	SNOCOR T3 - 10000 DUP	SNOCOR T3 - 15000	RDL	QC Batch
Calculated Parameters								
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				<1.0	<1.0	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L				<1.0	<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L				0.87	0.56	0.50	9912296
Inorganics								
Total BOD	mg/L				<2	<2	2	9909023
Conductivity	mS/cm				0.010	0.005	0.002	9909047
Total Dissolved Solids	mg/L				15	<10	10	9908964
Dissolved Organic Carbon	mg/L				0.75	0.69	0.40	9910008
Total Organic Carbon (TOC)	mg/L				<0.40	0.41	0.40	9910120
Dissolved Oxygen	mg/L				12.1	12.6	0.050	9909046
pH	pH				5.43	5.42		9909048
Total Suspended Solids	mg/L				2	2	1	9908930
Turbidity	NTU	0.2	0.1	9909675	0.2	0.2	0.1	9909675
Alkalinity (Total as CaCO3)	mg/L				<1.0	<1.0	1.0	9909050
Dissolved Sulphate (SO4)	mg/L				<0.50	<0.50	0.50	9913093
Metals								
Dissolved Aluminum (Al)	ug/L				2.93	1.28	0.50	9914262
Total Aluminum (Al)	ug/L				33.4	38.8	3.0	9914260
Dissolved Antimony (Sb)	ug/L				<0.020	<0.020	0.020	9914262
Total Antimony (Sb)	ug/L				<0.020	<0.020	0.020	9914260
Dissolved Arsenic (As)	ug/L				0.360	0.171	0.020	9914262
Total Arsenic (As)	ug/L				1.95	1.17	0.020	9914260
Dissolved Barium (Ba)	ug/L				0.174	0.248	0.020	9914262
Total Barium (Ba)	ug/L				0.392	0.391	0.050	9914260
Dissolved Beryllium (Be)	ug/L				<0.010	<0.010	0.010	9914262
Total Beryllium (Be)	ug/L				<0.010	<0.010	0.010	9914260
Dissolved Boron (B)	ug/L				<10	<10	10	9914262
Total Boron (B)	ug/L				<10	<10	10	9914260
Dissolved Cadmium (Cd)	ug/L				<0.0050	<0.0050	0.0050	9914262

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE75			APVE76	APVE77		
Sampling Date		2025/04/05 15:07			2025/04/05 15:07	2025/04/05 14:42		
COC Number		1026052			1026052	1026052		
	UNITS	SNOCOR T3 - 10000 Lab-Dup	RDL	QC Batch	SNOCOR T3 - 10000 DUP	SNOCOR T3 - 15000	RDL	QC Batch
Total Cadmium (Cd)	ug/L				<0.0050	<0.0050	0.0050	9914260
Dissolved Chromium (Cr)	ug/L				0.14	0.11	0.10	9914262
Total Chromium (Cr)	ug/L				0.21	0.27	0.10	9914260
Dissolved Cobalt (Co)	ug/L				0.0071	0.0113	0.0050	9914262
Total Cobalt (Co)	ug/L				0.017	0.017	0.010	9914260
Dissolved Copper (Cu)	ug/L				0.097	0.146	0.050	9914262
Total Copper (Cu)	ug/L				0.17	0.24	0.10	9914260
Dissolved Iron (Fe)	ug/L				6.3	2.9	1.0	9914262
Total Iron (Fe)	ug/L				95.1	94.6	5.0	9914260
Dissolved Lead (Pb)	ug/L				0.0458	0.0460	0.0050	9914262
Total Lead (Pb)	ug/L				0.151	0.257	0.020	9914260
Dissolved Lithium (Li)	ug/L				<0.50	<0.50	0.50	9914262
Total Lithium (Li)	ug/L				<0.50	<0.50	0.50	9914260
Dissolved Manganese (Mn)	ug/L				1.08	0.998	0.050	9914262
Total Manganese (Mn)	ug/L				2.30	1.64	0.10	9914260
Dissolved Molybdenum (Mo)	ug/L				<0.050	<0.050	0.050	9914262
Total Molybdenum (Mo)	ug/L				<0.050	<0.050	0.050	9914260
Dissolved Nickel (Ni)	ug/L				0.022	0.061	0.020	9914262
Total Nickel (Ni)	ug/L				<0.10	0.16	0.10	9914260
Dissolved Selenium (Se)	ug/L				<0.040	<0.040	0.040	9914262
Total Selenium (Se)	ug/L				<0.040	<0.040	0.040	9914260
Dissolved Silver (Ag)	ug/L				<0.0050	<0.0050	0.0050	9914262
Total Silver (Ag)	ug/L				<0.010	<0.010	0.010	9914260
Dissolved Strontium (Sr)	ug/L				1.08	0.680	0.050	9914262
Total Strontium (Sr)	ug/L				1.22	0.743	0.050	9914260
Dissolved Thallium (Tl)	ug/L				<0.0020	<0.0020	0.0020	9914262
Total Thallium (Tl)	ug/L				<0.0020	<0.0020	0.0020	9914260
Dissolved Tin (Sn)	ug/L				<0.20	<0.20	0.20	9914262
Total Tin (Sn)	ug/L				<0.20	<0.20	0.20	9914260
Dissolved Titanium (Ti)	ug/L				<0.50	<0.50	0.50	9914262

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVE75			APVE76	APVE77		
Sampling Date		2025/04/05 15:07			2025/04/05 15:07	2025/04/05 14:42		
COC Number		1026052			1026052	1026052		
	UNITS	SNOCOR T3 - 10000 Lab-Dup	RDL	QC Batch	SNOCOR T3 - 10000 DUP	SNOCOR T3 - 15000	RDL	QC Batch
Total Titanium (Ti)	ug/L				<2.0	<2.0	2.0	9914260
Dissolved Uranium (U)	ug/L				<0.0020	<0.0020	0.0020	9914262
Total Uranium (U)	ug/L				<0.0050	<0.0050	0.0050	9914260
Dissolved Vanadium (V)	ug/L				<0.20	<0.20	0.20	9914262
Total Vanadium (V)	ug/L				<0.20	<0.20	0.20	9914260
Dissolved Zinc (Zn)	ug/L				1.54	1.98	0.10	9914262
Total Zinc (Zn)	ug/L				1.8	2.7	1.0	9914260
Dissolved Calcium (Ca)	mg/L				0.128	0.104	0.050	9914261
Total Calcium (Ca)	mg/L				<0.25	<0.25	0.25	9914259
Dissolved Magnesium (Mg)	mg/L				0.134	0.073	0.050	9914261
Total Magnesium (Mg)	mg/L				<0.25	<0.25	0.25	9914259
Dissolved Potassium (K)	mg/L				0.052	<0.050	0.050	9914261
Total Potassium (K)	mg/L				<0.25	<0.25	0.25	9914259
Dissolved Sodium (Na)	mg/L				0.939	0.380	0.050	9914261
Total Sodium (Na)	mg/L				1.03	0.40	0.25	9914259

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

TEST SUMMARY

Bureau Veritas ID: APVE68
Sample ID: SNOCOR T3 - 50
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9909050	N/A	2025/04/14	Kien Tran
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/15	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9909023	2025/04/12	2025/04/17	Gurjot Kaur
Conductivity	AT	9909047	N/A	2025/04/14	Kien Tran
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910008	N/A	2025/04/15	Massarat Jan
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913093	N/A	2025/04/17	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9912296	N/A	2025/04/17	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9914261	N/A	2025/04/17	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9914262	N/A	2025/04/16	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9914259	N/A	2025/04/22	Automated Statchk
pH	AT	9909048	2025/04/14	2025/04/14	Kien Tran
Total Dissolved Solids	BAL	9908964	2025/04/12	2025/04/14	Tina Teng
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan
Low Level Total Suspended Solids	BAL	9908930	2025/04/12	2025/04/14	Tina Teng
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

Bureau Veritas ID: APVE68 Dup
Sample ID: SNOCOR T3 - 50
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An

Bureau Veritas ID: APVE69
Sample ID: SNOCOR T3 - 100
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9909050	N/A	2025/04/14	Kien Tran
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/15	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9909023	2025/04/12	2025/04/17	Gurjot Kaur
Conductivity	AT	9909047	N/A	2025/04/14	Kien Tran
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910008	N/A	2025/04/15	Massarat Jan
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913093	N/A	2025/04/17	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9912296	N/A	2025/04/17	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9914261	N/A	2025/04/17	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9914262	N/A	2025/04/16	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9914259	N/A	2025/04/22	Automated Statchk
pH	AT	9909048	2025/04/14	2025/04/14	Kien Tran
Total Dissolved Solids	BAL	9908964	2025/04/12	2025/04/14	Tina Teng

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

TEST SUMMARY

Bureau Veritas ID: APVE69
Sample ID: SNOCOR T3 - 100
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan
Low Level Total Suspended Solids	BAL	9908930	2025/04/12	2025/04/14	Tina Teng
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

Bureau Veritas ID: APVE69 Dup
Sample ID: SNOCOR T3 - 100
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan

Bureau Veritas ID: APVE70
Sample ID: SNOCOR T3 - 250
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9909050	N/A	2025/04/14	Kien Tran
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/15	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9909023	2025/04/12	2025/04/17	Gurjot Kaur
Conductivity	AT	9909047	N/A	2025/04/14	Kien Tran
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910008	N/A	2025/04/15	Massarat Jan
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913093	N/A	2025/04/17	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9912296	N/A	2025/04/17	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9914261	N/A	2025/04/17	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9914262	N/A	2025/04/16	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9914259	N/A	2025/04/22	Automated Statchk
pH	AT	9909048	2025/04/14	2025/04/14	Kien Tran
Total Dissolved Solids	BAL	9908964	2025/04/12	2025/04/14	Tina Teng
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan
Low Level Total Suspended Solids	BAL	9908930	2025/04/12	2025/04/14	Tina Teng
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

Bureau Veritas ID: APVE71
Sample ID: SNOCOR T3 - 500
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9909050	N/A	2025/04/14	Kien Tran
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/15	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9909023	2025/04/12	2025/04/17	Gurjot Kaur
Conductivity	AT	9909047	N/A	2025/04/14	Kien Tran
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910008	N/A	2025/04/15	Massarat Jan
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

TEST SUMMARY

Bureau Veritas ID: APVE71
Sample ID: SNOCOR T3 - 500
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Low Level Chloride and Sulphate by AC	KONE	9913094	N/A	2025/04/17	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9912296	N/A	2025/04/17	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9914261	N/A	2025/04/17	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9914262	N/A	2025/04/16	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9914259	N/A	2025/04/22	Automated Statchk
pH	AT	9909048	2025/04/14	2025/04/14	Kien Tran
Total Dissolved Solids	BAL	9908964	2025/04/12	2025/04/14	Tina Teng
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan
Low Level Total Suspended Solids	BAL	9908930	2025/04/12	2025/04/14	Tina Teng
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

Bureau Veritas ID: APVE72
Sample ID: SNOCOR T3 - 1000
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9909050	N/A	2025/04/14	Kien Tran
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/15	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9909023	2025/04/12	2025/04/17	Gurjot Kaur
Conductivity	AT	9909047	N/A	2025/04/14	Kien Tran
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910008	N/A	2025/04/15	Massarat Jan
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913093	N/A	2025/04/17	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9912296	N/A	2025/04/17	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9914261	N/A	2025/04/17	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9914262	N/A	2025/04/16	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9914259	N/A	2025/04/22	Automated Statchk
pH	AT	9909048	2025/04/14	2025/04/14	Kien Tran
Total Dissolved Solids	BAL	9908964	2025/04/12	2025/04/14	Tina Teng
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan
Low Level Total Suspended Solids	BAL	9908930	2025/04/12	2025/04/14	Tina Teng
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

Bureau Veritas ID: APVE73
Sample ID: SNOCOR T3 - 2000
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9909050	N/A	2025/04/14	Kien Tran
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/15	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9909023	2025/04/12	2025/04/17	Gurjot Kaur
Conductivity	AT	9909047	N/A	2025/04/14	Kien Tran
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910008	N/A	2025/04/15	Massarat Jan

TEST SUMMARY

Bureau Veritas ID: APVE73
Sample ID: SNOCOR T3 - 2000
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913093	N/A	2025/04/17	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9912296	N/A	2025/04/17	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9914261	N/A	2025/04/17	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9914262	N/A	2025/04/16	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9914259	N/A	2025/04/22	Automated Statchk
pH	AT	9909048	2025/04/14	2025/04/14	Kien Tran
Total Dissolved Solids	BAL	9908964	2025/04/12	2025/04/14	Tina Teng
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan
Low Level Total Suspended Solids	BAL	9908930	2025/04/12	2025/04/14	Tina Teng
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

Bureau Veritas ID: APVE74
Sample ID: SNOCOR T3 - 5000
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9909050	N/A	2025/04/14	Kien Tran
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/15	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9909023	2025/04/12	2025/04/17	Gurjot Kaur
Conductivity	AT	9909047	N/A	2025/04/14	Kien Tran
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910008	N/A	2025/04/15	Massarat Jan
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913093	N/A	2025/04/17	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9912296	N/A	2025/04/17	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9914261	N/A	2025/04/17	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9914262	N/A	2025/04/16	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9914259	N/A	2025/04/22	Automated Statchk
pH	AT	9909048	2025/04/14	2025/04/14	Kien Tran
Total Dissolved Solids	BAL	9908964	2025/04/12	2025/04/14	Tina Teng
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan
Low Level Total Suspended Solids	BAL	9908930	2025/04/12	2025/04/14	Tina Teng
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

Bureau Veritas ID: APVE75
Sample ID: SNOCOR T3 - 10000
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9909050	N/A	2025/04/14	Kien Tran
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/15	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9909023	2025/04/12	2025/04/17	Gurjot Kaur
Conductivity	AT	9909047	N/A	2025/04/14	Kien Tran

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

TEST SUMMARY

Bureau Veritas ID: APVE75
Sample ID: SNOCOR T3 - 10000
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910008	N/A	2025/04/15	Massarat Jan
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913093	N/A	2025/04/17	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9912296	N/A	2025/04/17	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9914261	N/A	2025/04/17	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9914262	N/A	2025/04/16	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9914259	N/A	2025/04/22	Automated Statchk
pH	AT	9909048	2025/04/14	2025/04/14	Kien Tran
Total Dissolved Solids	BAL	9908964	2025/04/12	2025/04/14	Tina Teng
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan
Low Level Total Suspended Solids	BAL	9908930	2025/04/12	2025/04/14	Tina Teng
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

Bureau Veritas ID: APVE75 Dup
Sample ID: SNOCOR T3 - 10000
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

Bureau Veritas ID: APVE76
Sample ID: SNOCOR T3 - 10000 DUP
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9909050	N/A	2025/04/14	Kien Tran
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/15	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9909023	2025/04/12	2025/04/17	Gurjot Kaur
Conductivity	AT	9909047	N/A	2025/04/14	Kien Tran
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910008	N/A	2025/04/15	Massarat Jan
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913093	N/A	2025/04/17	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9912296	N/A	2025/04/17	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9914261	N/A	2025/04/17	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9914262	N/A	2025/04/16	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9914259	N/A	2025/04/22	Automated Statchk
pH	AT	9909048	2025/04/14	2025/04/14	Kien Tran
Total Dissolved Solids	BAL	9908964	2025/04/12	2025/04/14	Tina Teng
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan
Low Level Total Suspended Solids	BAL	9908930	2025/04/12	2025/04/14	Tina Teng
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

TEST SUMMARY

Bureau Veritas ID: APVE77
Sample ID: SNOCOR T3 - 15000
Matrix: Water

Collected: 2025/04/05
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9909050	N/A	2025/04/14	Kien Tran
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/15	Automated Statchk
Biochemical Oxygen Demand (BOD)	DO	9909023	2025/04/12	2025/04/17	Gurjot Kaur
Conductivity	AT	9909047	N/A	2025/04/14	Kien Tran
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910008	N/A	2025/04/15	Massarat Jan
Dissolved Oxygen	DO	9909046	2025/04/12	2025/04/12	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913093	N/A	2025/04/17	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9912296	N/A	2025/04/17	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9914261	N/A	2025/04/17	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9914262	N/A	2025/04/16	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9914259	N/A	2025/04/22	Automated Statchk
pH	AT	9909048	2025/04/14	2025/04/14	Kien Tran
Total Dissolved Solids	BAL	9908964	2025/04/12	2025/04/14	Tina Teng
Total Organic Carbon (TOC)	TOCV/NDIR	9910120	N/A	2025/04/15	Massarat Jan
Low Level Total Suspended Solids	BAL	9908930	2025/04/12	2025/04/14	Tina Teng
Turbidity	AT	9909675	N/A	2025/04/15	Gurparteek KAUR

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	4.0°C
Package 2	4.0°C
Package 3	2.7°C
Package 4	2.7°C
Package 5	2.7°C
Package 6	3.3°C

Samples received past hold time for turbidity and dissolved oxygen analysis, proceeded with client consent.

Sample APVE68 [SNOCOR T3 - 50] : TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample APVE70 [SNOCOR T3 - 250] : TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample APVE71 [SNOCOR T3 - 500] : TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample APVE72 [SNOCOR T3 - 1000] : TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample APVE73 [SNOCOR T3 - 2000] : TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample APVE74 [SNOCOR T3 - 5000] : TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample APVE75 [SNOCOR T3 - 10000] : TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample APVE76 [SNOCOR T3 - 10000 DUP] : TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample APVE77 [SNOCOR T3 - 15000] : TOC < DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

QUALITY ASSURANCE REPORT

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9908930	Total Suspended Solids	2025/04/14			99	80 - 120	<1	mg/L	0	20		
9908964	Total Dissolved Solids	2025/04/14			97	80 - 120	<10	mg/L	2.9	20		
9909023	Total BOD	2025/04/17					<2	mg/L	NC	30	94	80 - 120
9909046	Dissolved Oxygen	2025/04/12							0.082	30		
9909047	Conductivity	2025/04/14			103	85 - 115	<0.002	mS/cm	1.1	10		
9909048	pH	2025/04/14			101	98 - 103			0.99	N/A		
9909050	Alkalinity (Total as CaCO3)	2025/04/14			92	85 - 115	<1.0	mg/L	2.0	20		
9909675	Turbidity	2025/04/15			99	80 - 120	<0.1	NTU	14	20		
9910008	Dissolved Organic Carbon	2025/04/15	93	80 - 120	95	80 - 120	<0.40	mg/L	3.4	20		
9910120	Total Organic Carbon (TOC)	2025/04/15	91	80 - 120	94	80 - 120	<0.40	mg/L	17	20		
9913093	Dissolved Sulphate (SO4)	2025/04/17	99	80 - 120	101	80 - 120	<0.50	mg/L	0.76	20		
9913094	Dissolved Sulphate (SO4)	2025/04/17	98	80 - 120	101	80 - 120	<0.50	mg/L				
9914260	Total Aluminum (Al)	2025/04/22	133 (1)	80 - 120	102	80 - 120	<3.0	ug/L	1.4	20		
9914260	Total Antimony (Sb)	2025/04/22	102	80 - 120	99	80 - 120	<0.020	ug/L	4.7	20		
9914260	Total Arsenic (As)	2025/04/22	102	80 - 120	104	80 - 120	<0.020	ug/L	1.3	20		
9914260	Total Barium (Ba)	2025/04/22	103	80 - 120	99	80 - 120	<0.050	ug/L	4.5	20		
9914260	Total Beryllium (Be)	2025/04/22	102	80 - 120	98	80 - 120	<0.010	ug/L	NC	20		
9914260	Total Boron (B)	2025/04/22	101	80 - 120	97	80 - 120	<10	ug/L	NC	20		
9914260	Total Cadmium (Cd)	2025/04/22	103	80 - 120	101	80 - 120	<0.0050	ug/L	9.8	20		
9914260	Total Chromium (Cr)	2025/04/22	98	80 - 120	100	80 - 120	<0.10	ug/L	4.5	20		
9914260	Total Cobalt (Co)	2025/04/22	97	80 - 120	98	80 - 120	<0.010	ug/L	2.1	20		
9914260	Total Copper (Cu)	2025/04/22	96	80 - 120	98	80 - 120	<0.10	ug/L	3.8	20		
9914260	Total Iron (Fe)	2025/04/22	NC	80 - 120	100	80 - 120	<5.0	ug/L	0.34	20		
9914260	Total Lead (Pb)	2025/04/22	98	80 - 120	99	80 - 120	<0.020	ug/L	1.8	20		
9914260	Total Lithium (Li)	2025/04/22	100	80 - 120	96	80 - 120	<0.50	ug/L	NC	20		
9914260	Total Manganese (Mn)	2025/04/22	99	80 - 120	101	80 - 120	<0.10	ug/L	2.8	20		
9914260	Total Molybdenum (Mo)	2025/04/22	101	80 - 120	102	80 - 120	<0.050	ug/L	NC	20		
9914260	Total Nickel (Ni)	2025/04/22	101	80 - 120	102	80 - 120	<0.10	ug/L	3.0	20		
9914260	Total Selenium (Se)	2025/04/22	103	80 - 120	105	80 - 120	<0.040	ug/L	NC	20		
9914260	Total Silver (Ag)	2025/04/22	101	80 - 120	100	80 - 120	<0.010	ug/L	NC	20		
9914260	Total Strontium (Sr)	2025/04/22	102	80 - 120	104	80 - 120	<0.050	ug/L	3.3	20		
9914260	Total Thallium (Tl)	2025/04/22	98	80 - 120	97	80 - 120	<0.0020	ug/L	NC	20		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9914260	Total Tin (Sn)	2025/04/22	102	80 - 120	98	80 - 120	<0.20	ug/L	NC	20		
9914260	Total Titanium (Ti)	2025/04/22	108	80 - 120	106	80 - 120	<2.0	ug/L	2.4	20		
9914260	Total Uranium (U)	2025/04/22	101	80 - 120	99	80 - 120	<0.0050	ug/L	11	20		
9914260	Total Vanadium (V)	2025/04/22	103	80 - 120	104	80 - 120	<0.20	ug/L	1.0	20		
9914260	Total Zinc (Zn)	2025/04/22	102	80 - 120	104	80 - 120	<1.0	ug/L	2.7	20		
9914262	Dissolved Aluminum (Al)	2025/04/16	104	80 - 120	98	80 - 120	<0.50	ug/L				
9914262	Dissolved Antimony (Sb)	2025/04/16	102	80 - 120	96	80 - 120	<0.020	ug/L				
9914262	Dissolved Arsenic (As)	2025/04/16	105	80 - 120	100	80 - 120	<0.020	ug/L				
9914262	Dissolved Barium (Ba)	2025/04/16	102	80 - 120	97	80 - 120	<0.020	ug/L				
9914262	Dissolved Beryllium (Be)	2025/04/16	105	80 - 120	97	80 - 120	<0.010	ug/L				
9914262	Dissolved Boron (B)	2025/04/16	104	80 - 120	98	80 - 120	<10	ug/L				
9914262	Dissolved Cadmium (Cd)	2025/04/16	104	80 - 120	99	80 - 120	<0.0050	ug/L				
9914262	Dissolved Chromium (Cr)	2025/04/16	104	80 - 120	99	80 - 120	<0.10	ug/L				
9914262	Dissolved Cobalt (Co)	2025/04/16	99	80 - 120	94	80 - 120	<0.0050	ug/L				
9914262	Dissolved Copper (Cu)	2025/04/16	101	80 - 120	96	80 - 120	<0.050	ug/L				
9914262	Dissolved Iron (Fe)	2025/04/16	104	80 - 120	98	80 - 120	<1.0	ug/L				
9914262	Dissolved Lead (Pb)	2025/04/16	102	80 - 120	95	80 - 120	<0.0050	ug/L				
9914262	Dissolved Lithium (Li)	2025/04/16	103	80 - 120	97	80 - 120	<0.50	ug/L				
9914262	Dissolved Manganese (Mn)	2025/04/16	103	80 - 120	98	80 - 120	<0.050	ug/L				
9914262	Dissolved Molybdenum (Mo)	2025/04/16	105	80 - 120	99	80 - 120	<0.050	ug/L				
9914262	Dissolved Nickel (Ni)	2025/04/16	101	80 - 120	97	80 - 120	<0.020	ug/L				
9914262	Dissolved Selenium (Se)	2025/04/16	104	80 - 120	99	80 - 120	<0.040	ug/L				
9914262	Dissolved Silver (Ag)	2025/04/16	102	80 - 120	97	80 - 120	<0.0050	ug/L				
9914262	Dissolved Strontium (Sr)	2025/04/16	105	80 - 120	100	80 - 120	<0.050	ug/L				
9914262	Dissolved Thallium (Tl)	2025/04/16	99	80 - 120	94	80 - 120	<0.0020	ug/L				
9914262	Dissolved Tin (Sn)	2025/04/16	99	80 - 120	96	80 - 120	<0.20	ug/L				
9914262	Dissolved Titanium (Ti)	2025/04/16	105	80 - 120	99	80 - 120	<0.50	ug/L				
9914262	Dissolved Uranium (U)	2025/04/16	99	80 - 120	95	80 - 120	<0.0020	ug/L				
9914262	Dissolved Vanadium (V)	2025/04/16	103	80 - 120	98	80 - 120	<0.20	ug/L				

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9914262	Dissolved Zinc (Zn)	2025/04/16	106	80 - 120	99	80 - 120	<0.10	ug/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

Bureau Veritas Job #: C540645
Report Date: 2025/04/22

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: AT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere, Senior Scientific Specialist

David Huang, BBY Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your P.O. #: OL-1504867
Site Location: Meliadine
Your C.O.C. #: 1026023

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2025/04/23
Report #: R8525465
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C540655
Received: 2025/04/11, 14:40

Sample Matrix: Water
Samples Received: 27

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity (1)	27	N/A	2025/04/16	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide (1)	27	N/A	2025/04/16	CAM SOP-00102	APHA 4500-CO2 D
Anions (1)	27	N/A	2025/04/16	CAM SOP-00435	SM 24 4110 B m
Biochemical Oxygen Demand (BOD) (1)	27	2025/04/15	2025/04/20	CAM SOP-00427	SM 24 5210B m
Conductivity (1)	27	N/A	2025/04/16	CAM SOP-00414	SM 24 2510 m
Dissolved Organic Carbon (DOC) (1, 4)	27	N/A	2025/04/16	CAM SOP-00446	SM 24 5310 B m
Dissolved Oxygen (1)	27	2025/04/15	2025/04/15	CAM SOP-00427	SM 24 4500 O G m
Low Level Chloride and Sulphate by AC (2)	17	N/A	2025/04/19	AB SOP-00020	SM24-4500-Cl/SO4-E m
Low Level Chloride and Sulphate by AC (2)	10	N/A	2025/04/21	AB SOP-00020	SM24-4500-Cl/SO4-E m
Hardness (calculated as CaCO3) (3)	27	N/A	2025/04/21	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (3)	27	N/A	2025/04/21	BBY WI-00033	Auto Calc
Elements by ICPMS Low Level (dissolved) (3, 5)	27	N/A	2025/04/17	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Low Level (dissolved) (3, 5)	1	N/A	2025/04/23	BBY7SOP-00002	EPA 6020b R2 m
Elements by ICPMS Low Level (total) (3)	27	2025/04/17	2025/04/22	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (3)	27	N/A	2025/04/22	BBY WI-00033	Auto Calc
pH (1, 6)	27	2025/04/15	2025/04/16	CAM SOP-00413	SM 24th - 4500H+ B
Total Dissolved Solids (1)	27	2025/04/15	2025/04/16	CAM SOP-00428	SM 24 2540C m
Total Organic Carbon (TOC) (1, 7)	27	N/A	2025/04/16	CAM SOP-00446	SM 24 5310B m
Low Level Total Suspended Solids (1)	8	2025/04/15	2025/04/16	CAM SOP-00428	SM 24 2540D m
Low Level Total Suspended Solids (1)	19	2025/04/15	2025/04/17	CAM SOP-00428	SM 24 2540D m
Turbidity (1)	27	N/A	2025/04/15	CAM SOP-00417	SM 24 2130 B

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Your P.O. #: OL-1504867
Site Location: Meliadine
Your C.O.C. #: 1026023

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2025/04/23
Report #: R8525465
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C540655
Received: 2025/04/11, 14:40

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

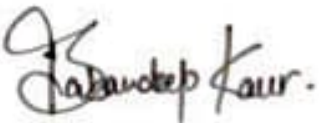
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
(3) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
(4) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
(5) Dissolved > Total Imbalance: When applicable, Dissolved and Total results were reviewed and data quality meets acceptable levels unless otherwise noted.
(6) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt."

(7) Total Organic Carbon (TOC) present in the sample should be considered as non-purgeable TOC.

Encryption Key



Babandeep Kaur
Project Manager 2
24 Apr 2025 14:02:49

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF16			APVF16			APVF17		
Sampling Date		2025/04/06 15:28			2025/04/06 15:28			2025/04/06 15:21		
COC Number		1026023			1026023			1026023		
	UNITS	SNOCOR T2-50	RDL	QC Batch	SNOCOR T2-50 Lab-Dup	RDL	QC Batch	SNOCOR T2-100	RDL	QC Batch
Calculated Parameters										
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	3.3	1.0	9908951				11	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	9908951				<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L	2.36	0.50	9915135				8.99	0.50	9915135
Inorganics										
Total BOD	mg/L	<2	2	9910213				<2	2	9910213
Conductivity	mS/cm	0.010	0.002	9910520				0.033	0.002	9910520
Total Dissolved Solids	mg/L	<10	10	9910329				<10	10	9910329
Dissolved Organic Carbon	mg/L	<0.40	0.40	9910528	<0.40	0.40	9910528	0.61	0.40	9910521
Total Organic Carbon (TOC)	mg/L	0.48	0.40	9910641				0.76	0.40	9910641
Dissolved Oxygen	mg/L	11.0	0.050	9910274	11.0	0.050	9910274	11.0	0.050	9910274
pH	pH	6.83		9910522				7.35		9910522
Total Suspended Solids	mg/L	25	1	9910332				120	1	9910332
Turbidity	NTU	4.2	0.1	9910515				26	0.1	9910515
Alkalinity (Total as CaCO3)	mg/L	3.4	1.0	9910519				11	1.0	9910519
Chloride (Cl-)	mg/L	<1.0	1.0	9910511				2.0	1.0	9910511
Dissolved Sulphate (SO4)	mg/L	<0.50	0.50	9913096				0.76	0.50	9913096
Metals										
Dissolved Aluminum (Al)	ug/L	3.28	0.50	9915137				45.9	0.50	9915137
Total Aluminum (Al)	ug/L	436	3.0	9914260				2140	3.0	9914260
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	9915137				0.037	0.020	9915137
Total Antimony (Sb)	ug/L	0.024	0.020	9914260				0.092	0.020	9914260
Dissolved Arsenic (As)	ug/L	2.60	0.020	9915137				14.5	0.020	9915137
Total Arsenic (As)	ug/L	31.9	0.020	9914260				114	0.020	9914260
Dissolved Barium (Ba)	ug/L	0.284	0.020	9915137				0.727	0.020	9915137
Total Barium (Ba)	ug/L	2.06	0.050	9914260				10.1	0.050	9914260
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	9915137				<0.010	0.010	9915137
Total Beryllium (Be)	ug/L	0.011	0.010	9914260				0.031	0.010	9914260
Dissolved Boron (B)	ug/L	<10	10	9915137				<10	10	9915137

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF16			APVF16			APVF17		
Sampling Date		2025/04/06 15:28			2025/04/06 15:28			2025/04/06 15:21		
COC Number		1026023			1026023			1026023		
	UNITS	SNOCOR T2-50	RDL	QC Batch	SNOCOR T2-50 Lab-Dup	RDL	QC Batch	SNOCOR T2-100	RDL	QC Batch
Total Boron (B)	ug/L	<10	10	9914260				<10	10	9914260
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	9915137				<0.0050	0.0050	9915137
Total Cadmium (Cd)	ug/L	0.0096	0.0050	9914260				0.0392	0.0050	9914260
Dissolved Chromium (Cr)	ug/L	<0.10	0.10	9915137				<0.10	0.10	9915137
Total Chromium (Cr)	ug/L	1.20	0.10	9914260				5.72	0.10	9914260
Dissolved Cobalt (Co)	ug/L	0.0187	0.0050	9915137				0.0167	0.0050	9915137
Total Cobalt (Co)	ug/L	0.247	0.010	9914260				1.50	0.010	9914260
Dissolved Copper (Cu)	ug/L	0.076	0.050	9915137				0.226	0.050	9915137
Total Copper (Cu)	ug/L	0.89	0.10	9914260				4.32	0.10	9914260
Dissolved Iron (Fe)	ug/L	8.1	1.0	9915137				6.2	1.0	9915137
Total Iron (Fe)	ug/L	1290	5.0	9914260				5650	5.0	9914260
Dissolved Lead (Pb)	ug/L	0.0381	0.0050	9915137				0.0495	0.0050	9915137
Total Lead (Pb)	ug/L	2.64	0.020	9914260				10.1	0.020	9914260
Dissolved Lithium (Li)	ug/L	<0.50	0.50	9915137				<0.50	0.50	9915137
Total Lithium (Li)	ug/L	<0.50	0.50	9914260				2.60	0.50	9914260
Dissolved Manganese (Mn)	ug/L	7.95	0.050	9915137				13.3	0.050	9915137
Total Manganese (Mn)	ug/L	19.6	0.10	9914260				83.7	0.10	9914260
Dissolved Molybdenum (Mo)	ug/L	<0.050	0.050	9915137				0.054	0.050	9915137
Total Molybdenum (Mo)	ug/L	<0.050	0.050	9914260				0.132	0.050	9914260
Dissolved Nickel (Ni)	ug/L	0.076	0.020	9915137				0.051	0.020	9915137
Total Nickel (Ni)	ug/L	0.94	0.10	9914260				4.55	0.10	9914260
Dissolved Selenium (Se)	ug/L	<0.040	0.040	9915137				0.045	0.040	9915137
Total Selenium (Se)	ug/L	<0.040	0.040	9914260				0.041	0.040	9914260
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	9915137				<0.0050	0.0050	9915137
Total Silver (Ag)	ug/L	<0.010	0.010	9914260				0.031	0.010	9914260
Dissolved Strontium (Sr)	ug/L	2.13	0.050	9915137				8.96	0.050	9915137
Total Strontium (Sr)	ug/L	3.51	0.050	9914260				15.9	0.050	9914260
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	9915137				<0.0020	0.0020	9915137
Total Thallium (Tl)	ug/L	0.0024	0.0020	9914260				0.0127	0.0020	9914260

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF16			APVF16			APVF17		
Sampling Date		2025/04/06 15:28			2025/04/06 15:28			2025/04/06 15:21		
COC Number		1026023			1026023			1026023		
	UNITS	SNOCOR T2-50	RDL	QC Batch	SNOCOR T2-50 Lab-Dup	RDL	QC Batch	SNOCOR T2-100	RDL	QC Batch
Dissolved Tin (Sn)	ug/L	<0.20	0.20	9915137				<0.20	0.20	9915137
Total Tin (Sn)	ug/L	<0.20	0.20	9914260				<0.20	0.20	9914260
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	9915137				<0.50	0.50	9915137
Total Titanium (Ti)	ug/L	7.4	2.0	9914260				37.5	2.0	9914260
Dissolved Uranium (U)	ug/L	0.0023	0.0020	9915137				0.0094	0.0020	9915137
Total Uranium (U)	ug/L	0.0070	0.0050	9914260				0.0479	0.0050	9914260
Dissolved Vanadium (V)	ug/L	<0.20	0.20	9915137				<0.20	0.20	9915137
Total Vanadium (V)	ug/L	0.88	0.20	9914260				4.41	0.20	9914260
Dissolved Zinc (Zn)	ug/L	1.08	0.10	9915137				0.34	0.10	9915137
Total Zinc (Zn)	ug/L	4.1	1.0	9914260				15.1	1.0	9914260
Dissolved Calcium (Ca)	mg/L	0.804	0.050	9915136				3.22	0.050	9915136
Total Calcium (Ca)	mg/L	1.16	0.25	9915134				5.02	0.25	9915134
Dissolved Magnesium (Mg)	mg/L	0.086	0.050	9915136				0.230	0.050	9915136
Total Magnesium (Mg)	mg/L	0.36	0.25	9915134				1.56	0.25	9915134
Dissolved Potassium (K)	mg/L	<0.050	0.050	9915136				0.128	0.050	9915136
Total Potassium (K)	mg/L	<0.25	0.25	9915134				0.33	0.25	9915134
Dissolved Sodium (Na)	mg/L	0.411	0.050	9915136				0.967	0.050	9915136
Total Sodium (Na)	mg/L	0.42	0.25	9915134				1.07	0.25	9915134

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF17			APVF18			APVF18		
Sampling Date		2025/04/06 15:21			2025/04/06 15:14			2025/04/06 15:14		
COC Number		1026023			1026023			1026023		
	UNITS	SNOCOR T2-100 Lab-Dup	RDL	QC Batch	SNOCOR T2-250	RDL	QC Batch	SNOCOR T2-250 Lab-Dup	RDL	QC Batch
Calculated Parameters										
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				11	1.0	9908951			
Carb. Alkalinity (calc. as CaCO3)	mg/L				<1.0	1.0	9908951			
Dissolved Hardness (CaCO3)	mg/L				7.49	0.50	9915135			
Inorganics										
Total BOD	mg/L				<2	2	9910213			
Conductivity	mS/cm	0.033	0.002	9910520	0.028	0.002	9910520			
Total Dissolved Solids	mg/L				<10	10	9910329			
Dissolved Organic Carbon	mg/L				0.50	0.40	9910521			
Total Organic Carbon (TOC)	mg/L				0.69	0.40	9910641			
Dissolved Oxygen	mg/L				10.8	0.050	9910274			
pH	pH	7.45		9910522	7.39		9910522			
Total Suspended Solids	mg/L				160	1	9910332			
Turbidity	NTU				22	0.1	9910515			
Alkalinity (Total as CaCO3)	mg/L	11	1.0	9910519	11	1.0	9910519			
Chloride (Cl-)	mg/L				1.2	1.0	9910511	1.0	1.0	9910511
Dissolved Sulphate (SO4)	mg/L				0.50	0.50	9913099	0.51	0.50	9913099
Metals										
Dissolved Aluminum (Al)	ug/L				22.2	0.50	9915137			
Total Aluminum (Al)	ug/L				2670	3.0	9914260			
Dissolved Antimony (Sb)	ug/L				0.025	0.020	9915137			
Total Antimony (Sb)	ug/L				0.099	0.020	9914260			
Dissolved Arsenic (As)	ug/L				7.15	0.020	9915137			
Total Arsenic (As)	ug/L				158	0.020	9914260			
Dissolved Barium (Ba)	ug/L				0.727	0.020	9915137			
Total Barium (Ba)	ug/L				12.2	0.050	9914260			
Dissolved Beryllium (Be)	ug/L				<0.010	0.010	9915137			
Total Beryllium (Be)	ug/L				0.035	0.010	9914260			
Dissolved Boron (B)	ug/L				<10	10	9915137			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF17			APVF18			APVF18		
Sampling Date		2025/04/06 15:21			2025/04/06 15:14			2025/04/06 15:14		
COC Number		1026023			1026023			1026023		
	UNITS	SNOCOR T2-100 Lab-Dup	RDL	QC Batch	SNOCOR T2-250	RDL	QC Batch	SNOCOR T2-250 Lab-Dup	RDL	QC Batch
Total Boron (B)	ug/L				<10	10	9914260			
Dissolved Cadmium (Cd)	ug/L				<0.0050	0.0050	9915137			
Total Cadmium (Cd)	ug/L				0.0426	0.0050	9914260			
Dissolved Chromium (Cr)	ug/L				0.11	0.10	9915137			
Total Chromium (Cr)	ug/L				8.15	0.10	9914260			
Dissolved Cobalt (Co)	ug/L				0.0332	0.0050	9915137			
Total Cobalt (Co)	ug/L				2.33	0.010	9914260			
Dissolved Copper (Cu)	ug/L				0.246	0.050	9915137			
Total Copper (Cu)	ug/L				5.79	0.10	9914260			
Dissolved Iron (Fe)	ug/L				11.7	1.0	9915137			
Total Iron (Fe)	ug/L				6800	5.0	9914260			
Dissolved Lead (Pb)	ug/L				0.0684	0.0050	9915137			
Total Lead (Pb)	ug/L				10.3	0.020	9914260			
Dissolved Lithium (Li)	ug/L				<0.50	0.50	9915137			
Total Lithium (Li)	ug/L				2.91	0.50	9914260			
Dissolved Manganese (Mn)	ug/L				18.5	0.050	9915137			
Total Manganese (Mn)	ug/L				119	0.10	9914260			
Dissolved Molybdenum (Mo)	ug/L				<0.050	0.050	9915137			
Total Molybdenum (Mo)	ug/L				0.122	0.050	9914260			
Dissolved Nickel (Ni)	ug/L				0.131	0.020	9915137			
Total Nickel (Ni)	ug/L				6.31	0.10	9914260			
Dissolved Selenium (Se)	ug/L				<0.040	0.040	9915137			
Total Selenium (Se)	ug/L				0.047	0.040	9914260			
Dissolved Silver (Ag)	ug/L				<0.0050	0.0050	9915137			
Total Silver (Ag)	ug/L				0.026	0.010	9914260			
Dissolved Strontium (Sr)	ug/L				5.80	0.050	9915137			
Total Strontium (Sr)	ug/L				16.0	0.050	9914260			
Dissolved Thallium (Tl)	ug/L				<0.0020	0.0020	9915137			
Total Thallium (Tl)	ug/L				0.0161	0.0020	9914260			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF17			APVF18			APVF18		
Sampling Date		2025/04/06 15:21			2025/04/06 15:14			2025/04/06 15:14		
COC Number		1026023			1026023			1026023		
	UNITS	SNOCOR T2-100 Lab-Dup	RDL	QC Batch	SNOCOR T2-250	RDL	QC Batch	SNOCOR T2-250 Lab-Dup	RDL	QC Batch
Dissolved Tin (Sn)	ug/L				<0.20	0.20	9915137			
Total Tin (Sn)	ug/L				<0.20	0.20	9914260			
Dissolved Titanium (Ti)	ug/L				<0.50	0.50	9915137			
Total Titanium (Ti)	ug/L				58.5	2.0	9914260			
Dissolved Uranium (U)	ug/L				0.0149	0.0020	9915137			
Total Uranium (U)	ug/L				0.0680	0.0050	9914260			
Dissolved Vanadium (V)	ug/L				<0.20	0.20	9915137			
Total Vanadium (V)	ug/L				6.47	0.20	9914260			
Dissolved Zinc (Zn)	ug/L				0.39	0.10	9915137			
Total Zinc (Zn)	ug/L				17.7	1.0	9914260			
Dissolved Calcium (Ca)	mg/L				2.77	0.050	9915136			
Total Calcium (Ca)	mg/L				6.23	0.25	9915134			
Dissolved Magnesium (Mg)	mg/L				0.141	0.050	9915136			
Total Magnesium (Mg)	mg/L				1.92	0.25	9915134			
Dissolved Potassium (K)	mg/L				0.084	0.050	9915136			
Total Potassium (K)	mg/L				0.35	0.25	9915134			
Dissolved Sodium (Na)	mg/L				0.592	0.050	9915136			
Total Sodium (Na)	mg/L				0.69	0.25	9915134			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF19		APVF20		APVF21		
Sampling Date		2025/04/06 15:03		2025/04/06 14:52		2025/04/06 14:33		
COC Number		1026023		1026023		1026023		
	UNITS	SNOCOR T2-500	QC Batch	SNOCOR T2-1000	QC Batch	SNOCOR T2-2000	RDL	QC Batch
Calculated Parameters								
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	5.9	9908951	8.3	9908951	4.9	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	9908951	<1.0	9908951	<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L	5.38	9915135	6.59	9915135	5.52	0.50	9915135
Inorganics								
Total BOD	mg/L	<2	9910213	<2	9910213	<2	2	9910213
Conductivity	mS/cm	0.028	9910520	0.022	9910520	0.024	0.002	9910520
Total Dissolved Solids	mg/L	<10	9910329	<10	9910329	20	10	9910329
Dissolved Organic Carbon	mg/L	0.59	9910456	0.50	9910528	0.58	0.40	9910521
Total Organic Carbon (TOC)	mg/L	0.65	9910641	0.61	9910641	0.65	0.40	9910641
Dissolved Oxygen	mg/L	10.8	9910274	10.4	9910274	10.9	0.050	9910274
pH	pH	7.12	9910522	7.30	9910522	7.03		9910522
Total Suspended Solids	mg/L	58	9910332	110	9910332	47	1	9910332
Turbidity	NTU	7.5	9910515	9.8	9910515	6.1	0.1	9910515
Alkalinity (Total as CaCO3)	mg/L	5.9	9910519	8.4	9910519	4.9	1.0	9910519
Chloride (Cl-)	mg/L	3.9	9910511	<1.0	9910511	2.9	1.0	9910511
Dissolved Sulphate (SO4)	mg/L	0.81	9913099	0.85	9913099	1.2	0.50	9913096
Metals								
Dissolved Aluminum (Al)	ug/L	10.5	9915137	28.1	9915137	13.0	0.50	9915138
Total Aluminum (Al)	ug/L	939	9914260	1550	9914260	657	3.0	9914260
Dissolved Antimony (Sb)	ug/L	<0.020	9915137	0.024	9915137	<0.020	0.020	9915138
Total Antimony (Sb)	ug/L	0.048	9914260	0.071	9914260	0.079	0.020	9914260
Dissolved Arsenic (As)	ug/L	5.06	9915137	10.5	9915137	6.06	0.020	9915138
Total Arsenic (As)	ug/L	53.4	9914260	98.4	9914260	52.1	0.020	9914260
Dissolved Barium (Ba)	ug/L	0.598	9915137	0.796	9915137	1.06	0.020	9915138
Total Barium (Ba)	ug/L	4.18	9914260	7.63	9914260	4.51	0.050	9914260
Dissolved Beryllium (Be)	ug/L	<0.010	9915137	<0.010	9915137	<0.010	0.010	9915138
Total Beryllium (Be)	ug/L	0.012	9914260	0.024	9914260	<0.010	0.010	9914260
Dissolved Boron (B)	ug/L	<10	9915137	<10	9915137	<10	10	9915138
Total Boron (B)	ug/L	<10	9914260	<10	9914260	<10	10	9914260

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF19		APVF20		APVF21		
Sampling Date		2025/04/06 15:03		2025/04/06 14:52		2025/04/06 14:33		
COC Number		1026023		1026023		1026023		
	UNITS	SNOCOR T2-500	QC Batch	SNOCOR T2-1000	QC Batch	SNOCOR T2-2000	RDL	QC Batch
Dissolved Cadmium (Cd)	ug/L	<0.0050	9915137	<0.0050	9915137	<0.0050	0.0050	9915138
Total Cadmium (Cd)	ug/L	0.0231	9914260	0.0227	9914260	0.0101	0.0050	9914260
Dissolved Chromium (Cr)	ug/L	0.11	9915137	0.11	9915137	<0.10	0.10	9915138
Total Chromium (Cr)	ug/L	2.81	9914260	4.53	9914260	1.83	0.10	9914260
Dissolved Cobalt (Co)	ug/L	0.0195	9915137	0.0277	9915137	0.0300	0.0050	9915138
Total Cobalt (Co)	ug/L	0.611	9914260	1.15	9914260	0.346	0.010	9914260
Dissolved Copper (Cu)	ug/L	0.178	9915137	0.245	9915137	0.474	0.050	9915138
Total Copper (Cu)	ug/L	2.40	9914260	3.69	9914260	1.49	0.10	9914260
Dissolved Iron (Fe)	ug/L	8.4	9915137	15.1	9915137	15.5	1.0	9915138
Total Iron (Fe)	ug/L	2700	9914260	4180	9914260	1930	5.0	9914260
Dissolved Lead (Pb)	ug/L	0.0646	9915137	0.102	9915137	0.124	0.0050	9915138
Total Lead (Pb)	ug/L	5.70	9914260	7.69	9914260	4.80	0.020	9914260
Dissolved Lithium (Li)	ug/L	<0.50	9915137	<0.50	9915137	<0.50	0.50	9915138
Total Lithium (Li)	ug/L	1.11	9914260	1.66	9914260	0.65	0.50	9914260
Dissolved Manganese (Mn)	ug/L	14.2	9915137	15.0	9915137	12.9	0.050	9915138
Total Manganese (Mn)	ug/L	48.0	9914260	68.5	9914260	30.7	0.10	9914260
Dissolved Molybdenum (Mo)	ug/L	<0.050	9915137	<0.050	9915137	<0.050	0.050	9915138
Total Molybdenum (Mo)	ug/L	0.054	9914260	0.094	9914260	<0.050	0.050	9914260
Dissolved Nickel (Ni)	ug/L	0.096	9915137	0.113	9915137	0.129	0.020	9915138
Total Nickel (Ni)	ug/L	2.01	9914260	3.48	9914260	1.28	0.10	9914260
Dissolved Selenium (Se)	ug/L	0.059	9915137	0.042	9915137	0.052	0.040	9915138
Total Selenium (Se)	ug/L	0.070	9914260	<0.040	9914260	<0.040	0.040	9914260
Dissolved Silver (Ag)	ug/L	<0.0050	9915137	<0.0050	9915137	<0.0050	0.0050	9915138
Total Silver (Ag)	ug/L	0.011	9914260	0.017	9914260	<0.010	0.010	9914260
Dissolved Strontium (Sr)	ug/L	4.70	9915137	5.38	9915137	6.92	0.050	9915138
Total Strontium (Sr)	ug/L	7.89	9914260	11.0	9914260	9.39	0.050	9914260
Dissolved Thallium (Tl)	ug/L	<0.0020	9915137	<0.0020	9915137	<0.0020	0.0020	9915138
Total Thallium (Tl)	ug/L	0.0068	9914260	0.0106	9914260	0.0051	0.0020	9914260
Dissolved Tin (Sn)	ug/L	<0.20	9915137	<0.20	9915137	<0.20	0.20	9915138
Total Tin (Sn)	ug/L	<0.20	9914260	<0.20	9914260	<0.20	0.20	9914260

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF19		APVF20		APVF21		
Sampling Date		2025/04/06 15:03		2025/04/06 14:52		2025/04/06 14:33		
COC Number		1026023		1026023		1026023		
	UNITS	SNOCOR T2-500	QC Batch	SNOCOR T2-1000	QC Batch	SNOCOR T2-2000	RDL	QC Batch
Dissolved Titanium (Ti)	ug/L	<0.50	9915137	<0.50	9915137	<0.50	0.50	9915138
Total Titanium (Ti)	ug/L	15.8	9914260	33.0	9914260	13.8	2.0	9914260
Dissolved Uranium (U)	ug/L	0.0042	9915137	0.0076	9915137	0.0099	0.0020	9915138
Total Uranium (U)	ug/L	0.0153	9914260	0.0408	9914260	0.0182	0.0050	9914260
Dissolved Vanadium (V)	ug/L	<0.20	9915137	<0.20	9915137	<0.20	0.20	9915138
Total Vanadium (V)	ug/L	2.11	9914260	3.54	9914260	1.30	0.20	9914260
Dissolved Zinc (Zn)	ug/L	0.95	9915137	0.53	9915137	0.94	0.10	9915138
Total Zinc (Zn)	ug/L	10.7	9914260	9.4	9914260	5.1	1.0	9914260
Dissolved Calcium (Ca)	mg/L	1.69	9915136	2.42	9915136	1.72	0.050	9915136
Total Calcium (Ca)	mg/L	2.68	9915134	3.94	9915134	2.32	0.25	9915134
Dissolved Magnesium (Mg)	mg/L	0.282	9915136	0.133	9915136	0.298	0.050	9915136
Total Magnesium (Mg)	mg/L	0.93	9915134	1.14	9915134	0.72	0.25	9915134
Dissolved Potassium (K)	mg/L	0.123	9915136	0.074	9915136	0.134	0.050	9915136
Total Potassium (K)	mg/L	<0.25	9915134	<0.25	9915134	<0.25	0.25	9915134
Dissolved Sodium (Na)	mg/L	2.00	9915136	0.529	9915136	1.50	0.050	9915136
Total Sodium (Na)	mg/L	2.11	9915134	0.56	9915134	1.57	0.25	9915134

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF22		APVF23		APVF24		
Sampling Date		2025/04/06 14:33		2025/04/06 14:12		2025/04/06 13:32		
COC Number		1026023		1026023		1026023		
	UNITS	SNOCOR T2-2000 DUP	QC Batch	SNOCOR T2-5000	QC Batch	SNOCOR T2-10000	RDL	QC Batch
Calculated Parameters								
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	4.7	9908951	2.0	9908951	1.5	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	9908951	<1.0	9908951	<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L	5.06	9915135	1.96	9915135	1.48	0.50	9915135
Inorganics								
Total BOD	mg/L	<2	9910213	<2	9910213	<2	2	9910213
Conductivity	mS/cm	0.023	9910520	0.010	9910520	0.008	0.002	9910520
Total Dissolved Solids	mg/L	20	9910329	20	9910329	30	10	9910329
Dissolved Organic Carbon	mg/L	0.59	9910456	0.41	9910521	<0.40	0.40	9910521
Total Organic Carbon (TOC)	mg/L	0.58	9910641	0.49	9910641	0.41	0.40	9910641
Dissolved Oxygen	mg/L	11.1	9910274	11.1	9910274	11.0	0.050	9910274
pH	pH	6.97	9910522	6.63	9910522	6.49		9910522
Total Suspended Solids	mg/L	38	9910332	20	9910332	15	1	9910332
Turbidity	NTU	4.0	9910515	2.1	9910515	2.9	0.1	9910515
Alkalinity (Total as CaCO3)	mg/L	4.7	9910519	2.0	9910519	1.5	1.0	9910519
Chloride (Cl-)	mg/L	2.7	9910511	1.4	9910511	<1.0	1.0	9910511
Dissolved Sulphate (SO4)	mg/L	1.1	9913096	<0.50	9913096	<0.50	0.50	9913099
Metals								
Dissolved Aluminum (Al)	ug/L	6.71	9915139	2.40	9915139	3.26	0.50	9915139
Total Aluminum (Al)	ug/L	607	9914260	319	9914260	298	3.0	9914260
Dissolved Antimony (Sb)	ug/L	<0.020	9915139	<0.020	9915139	<0.020	0.020	9915139
Total Antimony (Sb)	ug/L	0.038	9914260	0.022	9914260	<0.020	0.020	9914260
Dissolved Arsenic (As)	ug/L	4.61	9915139	1.43	9915139	1.28	0.020	9915139
Total Arsenic (As)	ug/L	54.4	9914260	26.6	9914260	36.0	0.020	9914260
Dissolved Barium (Ba)	ug/L	0.758	9915139	0.382	9915139	0.297	0.020	9915139
Total Barium (Ba)	ug/L	3.68	9914260	1.96	9914260	1.92	0.050	9914260
Dissolved Beryllium (Be)	ug/L	<0.010	9915139	<0.010	9915139	<0.010	0.010	9915139
Total Beryllium (Be)	ug/L	<0.010	9914260	<0.010	9914260	<0.010	0.010	9914260
Dissolved Boron (B)	ug/L	<10	9915139	<10	9915139	<10	10	9915139
Total Boron (B)	ug/L	<10	9914260	<10	9914260	<10	10	9914260

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF22		APVF23		APVF24		
Sampling Date		2025/04/06 14:33		2025/04/06 14:12		2025/04/06 13:32		
COC Number		1026023		1026023		1026023		
	UNITS	SNOCOR T2-2000 DUP	QC Batch	SNOCOR T2-5000	QC Batch	SNOCOR T2-10000	RDL	QC Batch
Dissolved Cadmium (Cd)	ug/L	<0.0050	9915139	0.0050	9915139	<0.0050	0.0050	9915139
Total Cadmium (Cd)	ug/L	0.0128	9914260	0.0073	9914260	0.0065	0.0050	9914260
Dissolved Chromium (Cr)	ug/L	0.22	9915139	0.17	9915139	0.18	0.10	9915139
Total Chromium (Cr)	ug/L	1.65	9914260	1.01	9914260	0.78	0.10	9914260
Dissolved Cobalt (Co)	ug/L	0.0240	9915139	0.0110	9915139	0.0080	0.0050	9915139
Total Cobalt (Co)	ug/L	0.385	9914260	0.154	9914260	0.140	0.010	9914260
Dissolved Copper (Cu)	ug/L	0.220	9915139	0.142	9915139	0.148	0.050	9915139
Total Copper (Cu)	ug/L	1.49	9914260	0.90	9914260	0.93	0.10	9914260
Dissolved Iron (Fe)	ug/L	9.3	9915139	11.2	9915139	8.5	1.0	9915139
Total Iron (Fe)	ug/L	1780	9914260	982	9914260	971	5.0	9914260
Dissolved Lead (Pb)	ug/L	0.0820	9915139	0.0710	9915139	0.0740	0.0050	9915139
Total Lead (Pb)	ug/L	4.22	9914260	2.91	9914260	2.38	0.020	9914260
Dissolved Lithium (Li)	ug/L	<0.50	9915139	<0.50	9915139	<0.50	0.50	9915139
Total Lithium (Li)	ug/L	0.72	9914260	<0.50	9914260	<0.50	0.50	9914260
Dissolved Manganese (Mn)	ug/L	11.2	9915139	5.71	9915139	3.86	0.050	9915139
Total Manganese (Mn)	ug/L	29.8	9914260	12.9	9914260	10.4	0.10	9914260
Dissolved Molybdenum (Mo)	ug/L	<0.050	9915139	<0.050	9915139	<0.050	0.050	9915139
Total Molybdenum (Mo)	ug/L	<0.050	9914260	<0.050	9914260	<0.050	0.050	9914260
Dissolved Nickel (Ni)	ug/L	0.124	9915139	0.092	9915139	0.063	0.020	9915139
Total Nickel (Ni)	ug/L	1.16	9914260	0.59	9914260	0.50	0.10	9914260
Dissolved Selenium (Se)	ug/L	<0.040	9915139	0.044	9915139	<0.040	0.040	9915139
Total Selenium (Se)	ug/L	<0.040	9914260	<0.040	9914260	<0.040	0.040	9914260
Dissolved Silver (Ag)	ug/L	<0.0050	9915139	<0.0050	9915139	<0.0050	0.0050	9915139
Total Silver (Ag)	ug/L	<0.010	9914260	<0.010	9914260	<0.010	0.010	9914260
Dissolved Strontium (Sr)	ug/L	6.21	9915139	2.35	9915139	1.83	0.050	9915139
Total Strontium (Sr)	ug/L	8.91	9914260	3.60	9914260	3.20	0.050	9914260
Dissolved Thallium (Tl)	ug/L	<0.0020	9915139	<0.0020	9915139	<0.0020	0.0020	9915139
Total Thallium (Tl)	ug/L	0.0058	9914260	0.0020	9914260	<0.0020	0.0020	9914260
Dissolved Tin (Sn)	ug/L	<0.20	9915139	<0.20	9915139	<0.20	0.20	9915139
Total Tin (Sn)	ug/L	<0.20	9914260	<0.20	9914260	<0.20	0.20	9914260

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF22		APVF23		APVF24		
Sampling Date		2025/04/06 14:33		2025/04/06 14:12		2025/04/06 13:32		
COC Number		1026023		1026023		1026023		
	UNITS	SNOCOR T2-2000 DUP	QC Batch	SNOCOR T2-5000	QC Batch	SNOCOR T2-10000	RDL	QC Batch
Dissolved Titanium (Ti)	ug/L	<0.50	9915139	<0.50	9915139	<0.50	0.50	9915139
Total Titanium (Ti)	ug/L	13.3	9914260	5.8	9914260	6.2	2.0	9914260
Dissolved Uranium (U)	ug/L	0.0080	9915139	0.0020	9915139	<0.0020	0.0020	9915139
Total Uranium (U)	ug/L	0.0184	9914260	0.0052	9914260	<0.0050	0.0050	9914260
Dissolved Vanadium (V)	ug/L	<0.20	9915139	<0.20	9915139	<0.20	0.20	9915139
Total Vanadium (V)	ug/L	1.16	9914260	0.52	9914260	0.47	0.20	9914260
Dissolved Zinc (Zn)	ug/L	0.84	9915139	1.77	9915139	1.58	0.10	9915139
Total Zinc (Zn)	ug/L	4.4	9914260	3.7	9914260	3.1	1.0	9914260
Dissolved Calcium (Ca)	mg/L	1.57	9915136	0.599	9915136	0.439	0.050	9915136
Total Calcium (Ca)	mg/L	2.16	9915134	0.81	9915134	0.65	0.25	9915134
Dissolved Magnesium (Mg)	mg/L	0.274	9915136	0.113	9915136	0.094	0.050	9915136
Total Magnesium (Mg)	mg/L	0.66	9915134	0.28	9915134	0.25	0.25	9915134
Dissolved Potassium (K)	mg/L	0.131	9915136	<0.050	9915136	<0.050	0.050	9915136
Total Potassium (K)	mg/L	<0.25	9915134	<0.25	9915134	<0.25	0.25	9915134
Dissolved Sodium (Na)	mg/L	1.44	9915136	0.730	9915136	0.523	0.050	9915136
Total Sodium (Na)	mg/L	1.48	9915134	0.72	9915134	0.53	0.25	9915134

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF25		APVF26	APVF27		
Sampling Date		2025/04/06 11:15		2025/04/06 11:29	2025/04/06 11:37		
COC Number		1026023		1026023	1026023		
	UNITS	SNOCOR T6-50	QC Batch	SNOCOR T6-100	SNOCOR T6-250	RDL	QC Batch
Calculated Parameters							
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	5.1	9908951	5.3	6.2	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	9908951	<1.0	<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L	4.72	9915135	4.59	5.31	0.50	9915135
Inorganics							
Total BOD	mg/L	<2	9910213	<2	<2	2	9910213
Conductivity	mS/cm	0.020	9910520	0.018	0.018	0.002	9910520
Total Dissolved Solids	mg/L	20	9910329	25	30	10	9910329
Dissolved Organic Carbon	mg/L	0.42	9910521	<0.40	<0.40	0.40	9910521
Total Organic Carbon (TOC)	mg/L	0.55	9910641	0.44	0.44	0.40	9910641
Dissolved Oxygen	mg/L	10.7	9910274	10.7	9.87	0.050	9910274
pH	pH	7.03	9910522	7.04	7.13		9910522
Total Suspended Solids	mg/L	55	9910332	45	59	1	9910332
Turbidity	NTU	7.3	9910515	6.6	10	0.1	9910515
Alkalinity (Total as CaCO3)	mg/L	5.1	9910519	5.3	6.2	1.0	9910519
Chloride (Cl-)	mg/L	2.3	9910511	1.6	<1.0	1.0	9910511
Dissolved Sulphate (SO4)	mg/L	<0.50	9913099	<0.50	<0.50	0.50	9913096
Metals							
Dissolved Aluminum (Al)	ug/L	11.3	9915139	16.6	34.6	0.50	9915139
Total Aluminum (Al)	ug/L	859	9914260	743	1100	3.0	9915140
Dissolved Antimony (Sb)	ug/L	<0.020	9915139	<0.020	<0.020	0.020	9915139
Total Antimony (Sb)	ug/L	0.026	9914260	0.034	0.052	0.020	9915140
Dissolved Arsenic (As)	ug/L	2.25	9915139	3.72	9.41	0.020	9915139
Total Arsenic (As)	ug/L	38.0	9914260	56.6	102	0.020	9915140
Dissolved Barium (Ba)	ug/L	0.350	9915139	0.407	0.452	0.020	9915139
Total Barium (Ba)	ug/L	3.32	9914260	3.54	5.24	0.050	9915140
Dissolved Beryllium (Be)	ug/L	<0.010	9915139	<0.010	<0.010	0.010	9915139
Total Beryllium (Be)	ug/L	0.023	9914260	0.020	0.022	0.010	9915140
Dissolved Boron (B)	ug/L	<10	9915139	<10	<10	10	9915139
Total Boron (B)	ug/L	<10	9914260	<10	<10	10	9915140

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF25		APVF26	APVF27		
Sampling Date		2025/04/06 11:15		2025/04/06 11:29	2025/04/06 11:37		
COC Number		1026023		1026023	1026023		
	UNITS	SNOCOR T6-50	QC Batch	SNOCOR T6-100	SNOCOR T6-250	RDL	QC Batch
Dissolved Cadmium (Cd)	ug/L	<0.0050	9915139	<0.0050	<0.0050	0.0050	9915139
Total Cadmium (Cd)	ug/L	0.0097	9914260	0.0099	0.0220	0.0050	9915140
Dissolved Chromium (Cr)	ug/L	0.22	9915139	0.24	0.26	0.10	9915139
Total Chromium (Cr)	ug/L	2.30	9914260	1.99	2.82	0.10	9915140
Dissolved Cobalt (Co)	ug/L	0.0290	9915139	0.0230	0.0210	0.0050	9915139
Total Cobalt (Co)	ug/L	0.553	9914260	0.467	0.597	0.010	9915140
Dissolved Copper (Cu)	ug/L	<0.050	9915139	<0.050	0.141	0.050	9915139
Total Copper (Cu)	ug/L	1.15	9914260	1.35	2.39	0.10	9915140
Dissolved Iron (Fe)	ug/L	8.8	9915139	9.0	16.0	1.0	9915139
Total Iron (Fe)	ug/L	2180	9914260	2110	3200	5.0	9915140
Dissolved Lead (Pb)	ug/L	0.0370	9915139	0.0490	0.142	0.0050	9915139
Total Lead (Pb)	ug/L	2.38	9914260	4.78	6.69	0.020	9915140
Dissolved Lithium (Li)	ug/L	<0.50	9915139	<0.50	<0.50	0.50	9915139
Total Lithium (Li)	ug/L	1.16	9914260	0.96	1.30	0.50	9915140
Dissolved Manganese (Mn)	ug/L	12.7	9915139	12.0	12.9	0.050	9915139
Total Manganese (Mn)	ug/L	31.4	9914260	31.0	38.8	0.10	9915140
Dissolved Molybdenum (Mo)	ug/L	<0.050	9915139	<0.050	<0.050	0.050	9915139
Total Molybdenum (Mo)	ug/L	0.054	9914260	0.064	0.068	0.050	9915140
Dissolved Nickel (Ni)	ug/L	0.063	9915139	0.114	0.097	0.020	9915139
Total Nickel (Ni)	ug/L	1.96	9914260	1.62	2.10	0.10	9915140
Dissolved Selenium (Se)	ug/L	<0.040	9915139	<0.040	<0.040	0.040	9915139
Total Selenium (Se)	ug/L	<0.040	9914260	<0.040	<0.040	0.040	9915140
Dissolved Silver (Ag)	ug/L	<0.0050	9915139	<0.0050	<0.0050	0.0050	9915139
Total Silver (Ag)	ug/L	<0.010	9914260	0.011	0.016	0.010	9915140
Dissolved Strontium (Sr)	ug/L	6.68	9915139	5.46	6.45	0.050	9915139
Total Strontium (Sr)	ug/L	9.49	9914260	8.56	10.3	0.050	9915140
Dissolved Thallium (Tl)	ug/L	<0.0020	9915139	<0.0020	<0.0020	0.0020	9915139
Total Thallium (Tl)	ug/L	0.0037	9914260	0.0046	0.0074	0.0020	9915140
Dissolved Tin (Sn)	ug/L	<0.20	9915139	<0.20	<0.20	0.20	9915139
Total Tin (Sn)	ug/L	<0.20	9914260	<0.20	<0.20	0.20	9915140

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF25		APVF26	APVF27		
Sampling Date		2025/04/06 11:15		2025/04/06 11:29	2025/04/06 11:37		
COC Number		1026023		1026023	1026023		
	UNITS	SNOCOR T6-50	QC Batch	SNOCOR T6-100	SNOCOR T6-250	RDL	QC Batch
Dissolved Titanium (Ti)	ug/L	<0.50	9915139	<0.50	<0.50	0.50	9915139
Total Titanium (Ti)	ug/L	8.1	9914260	9.7	16.5	2.0	9915140
Dissolved Uranium (U)	ug/L	0.0030	9915139	0.0030	0.0030	0.0020	9915139
Total Uranium (U)	ug/L	0.0114	9914260	0.0183	0.0251	0.0050	9915140
Dissolved Vanadium (V)	ug/L	<0.20	9915139	<0.20	<0.20	0.20	9915139
Total Vanadium (V)	ug/L	1.60	9914260	1.29	1.79	0.20	9915140
Dissolved Zinc (Zn)	ug/L	0.68	9915139	0.76	0.50	0.10	9915139
Total Zinc (Zn)	ug/L	5.2	9914260	4.9	6.2	1.0	9915140
Dissolved Calcium (Ca)	mg/L	1.57	9915136	1.58	1.89	0.050	9915136
Total Calcium (Ca)	mg/L	2.20	9915134	2.26	2.57	0.25	9915134
Dissolved Magnesium (Mg)	mg/L	0.197	9915136	0.154	0.143	0.050	9915136
Total Magnesium (Mg)	mg/L	0.66	9915134	0.58	0.72	0.25	9915134
Dissolved Potassium (K)	mg/L	0.087	9915136	0.085	0.076	0.050	9915136
Total Potassium (K)	mg/L	<0.25	9915134	<0.25	<0.25	0.25	9915134
Dissolved Sodium (Na)	mg/L	1.04	9915136	0.744	0.500	0.050	9915136
Total Sodium (Na)	mg/L	1.03	9915134	0.74	0.51	0.25	9915134

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF27			APVF28	APVF29		
Sampling Date		2025/04/06 11:37			2025/04/06 11:45	2025/04/06 11:58		
COC Number		1026023			1026023	1026023		
	UNITS	SNOCOR T6-250 Lab-Dup	RDL	QC Batch	SNOCOR T6-500	SNOCOR T6-1000	RDL	QC Batch
Calculated Parameters								
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				1.1	<1.0	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L				<1.0	<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L				0.99	0.74	0.50	9915135
Inorganics								
Total BOD	mg/L				<2	<2	2	9910213
Conductivity	mS/cm				0.007	0.006	0.002	9910520
Total Dissolved Solids	mg/L				<10	<10	10	9910329
Dissolved Organic Carbon	mg/L				<0.40	<0.40	0.40	9910521
Total Organic Carbon (TOC)	mg/L				0.44	0.44	0.40	9910641
Dissolved Oxygen	mg/L				10.9	10.8	0.050	9910274
pH	pH				6.29	6.14		9910522
Total Suspended Solids	mg/L				9	4	1	9910332
Turbidity	NTU	10	0.1	9910515	1.5	0.4	0.1	9910515
Alkalinity (Total as CaCO3)	mg/L				1.1	<1.0	1.0	9910519
Chloride (Cl-)	mg/L				<1.0	1.0	1.0	9910511
Dissolved Sulphate (SO4)	mg/L				<0.50	<0.50	0.50	9913099
Metals								
Dissolved Aluminum (Al)	ug/L				0.77	1.67	0.50	9915139
Total Aluminum (Al)	ug/L				119	53.6	3.0	9915140
Dissolved Antimony (Sb)	ug/L				<0.020	<0.020	0.020	9915139
Total Antimony (Sb)	ug/L				<0.020	<0.020	0.020	9915140
Dissolved Arsenic (As)	ug/L				0.404	0.682	0.020	9915139
Total Arsenic (As)	ug/L				6.73	3.33	0.020	9915140
Dissolved Barium (Ba)	ug/L				0.193	0.213	0.020	9915139
Total Barium (Ba)	ug/L				3.63	0.467	0.050	9915140
Dissolved Beryllium (Be)	ug/L				<0.010	<0.010	0.010	9915139
Total Beryllium (Be)	ug/L				<0.010	<0.010	0.010	9915140
Dissolved Boron (B)	ug/L				<10	<10	10	9915139

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF27			APVF28	APVF29		
Sampling Date		2025/04/06 11:37			2025/04/06 11:45	2025/04/06 11:58		
COC Number		1026023			1026023	1026023		
	UNITS	SNOCOR T6-250 Lab-Dup	RDL	QC Batch	SNOCOR T6-500	SNOCOR T6-1000	RDL	QC Batch
Total Boron (B)	ug/L				<10	<10	10	9915140
Dissolved Cadmium (Cd)	ug/L				<0.0050	<0.0050	0.0050	9915139
Total Cadmium (Cd)	ug/L				<0.0050	<0.0050	0.0050	9915140
Dissolved Chromium (Cr)	ug/L				0.26	0.22	0.10	9915139
Total Chromium (Cr)	ug/L				0.40	0.21	0.10	9915140
Dissolved Cobalt (Co)	ug/L				0.0070	<0.0050	0.0050	9915139
Total Cobalt (Co)	ug/L				0.059	0.027	0.010	9915140
Dissolved Copper (Cu)	ug/L				0.068	0.214	0.050	9915139
Total Copper (Cu)	ug/L				0.28	0.27	0.10	9915140
Dissolved Iron (Fe)	ug/L				9.1	10.7	1.0	9915139
Total Iron (Fe)	ug/L				339	155	5.0	9915140
Dissolved Lead (Pb)	ug/L				0.0260	0.0430	0.0050	9915139
Total Lead (Pb)	ug/L				0.774	0.446	0.020	9915140
Dissolved Lithium (Li)	ug/L				<0.50	<0.50	0.50	9915139
Total Lithium (Li)	ug/L				<0.50	<0.50	0.50	9915140
Dissolved Manganese (Mn)	ug/L				2.86	1.49	0.050	9915139
Total Manganese (Mn)	ug/L				5.03	2.16	0.10	9915140
Dissolved Molybdenum (Mo)	ug/L				<0.050	<0.050	0.050	9915139
Total Molybdenum (Mo)	ug/L				<0.050	<0.050	0.050	9915140
Dissolved Nickel (Ni)	ug/L				0.043	0.035	0.020	9915139
Total Nickel (Ni)	ug/L				0.27	0.13	0.10	9915140
Dissolved Selenium (Se)	ug/L				0.046	<0.040	0.040	9915139
Total Selenium (Se)	ug/L				0.051	<0.040	0.040	9915140
Dissolved Silver (Ag)	ug/L				<0.0050	<0.0050	0.0050	9915139
Total Silver (Ag)	ug/L				<0.010	<0.010	0.010	9915140
Dissolved Strontium (Sr)	ug/L				1.18	0.892	0.050	9915139
Total Strontium (Sr)	ug/L				1.56	1.04	0.050	9915140
Dissolved Thallium (Tl)	ug/L				<0.0020	<0.0020	0.0020	9915139
Total Thallium (Tl)	ug/L				<0.0020	<0.0020	0.0020	9915140

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF27			APVF28	APVF29		
Sampling Date		2025/04/06 11:37			2025/04/06 11:45	2025/04/06 11:58		
COC Number		1026023			1026023	1026023		
	UNITS	SNOCOR T6-250 Lab-Dup	RDL	QC Batch	SNOCOR T6-500	SNOCOR T6-1000	RDL	QC Batch
Dissolved Tin (Sn)	ug/L				<0.20	<0.20	0.20	9915139
Total Tin (Sn)	ug/L				<0.20	<0.20	0.20	9915140
Dissolved Titanium (Ti)	ug/L				<0.50	<0.50	0.50	9915139
Total Titanium (Ti)	ug/L				3.3	<2.0	2.0	9915140
Dissolved Uranium (U)	ug/L				<0.0020	<0.0020	0.0020	9915139
Total Uranium (U)	ug/L				<0.0050	<0.0050	0.0050	9915140
Dissolved Vanadium (V)	ug/L				<0.20	<0.20	0.20	9915139
Total Vanadium (V)	ug/L				<0.20	<0.20	0.20	9915140
Dissolved Zinc (Zn)	ug/L				1.55	1.89	0.10	9915139
Total Zinc (Zn)	ug/L				2.4	2.2	1.0	9915140
Dissolved Calcium (Ca)	mg/L				0.263	0.159	0.050	9915136
Total Calcium (Ca)	mg/L				0.33	<0.25	0.25	9915134
Dissolved Magnesium (Mg)	mg/L				0.081	0.084	0.050	9915136
Total Magnesium (Mg)	mg/L				<0.25	<0.25	0.25	9915134
Dissolved Potassium (K)	mg/L				<0.050	<0.050	0.050	9915136
Total Potassium (K)	mg/L				<0.25	<0.25	0.25	9915134
Dissolved Sodium (Na)	mg/L				0.487	0.539	0.050	9915136
Total Sodium (Na)	mg/L				0.49	0.53	0.25	9915134

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF29			APVF30		APVF31		
Sampling Date		2025/04/06 11:58			2025/04/06 12:07		2025/04/06 12:29		
COC Number		1026023			1026023		1026023		
	UNITS	SNOCOR T6-1000 Lab-Dup	RDL	QC Batch	SNOCOR T6-2000	QC Batch	SNOCOR T6-5000	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				4.1	9908951	<1.0	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L				<1.0	9908951	<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L				3.89	9915135	0.65	0.50	9915135
Inorganics									
Total BOD	mg/L				<2	9910213	<2	2	9910213
Conductivity	mS/cm				0.016	9910520	0.004	0.002	9910520
Total Dissolved Solids	mg/L				50	9910329	25	10	9910329
Dissolved Organic Carbon	mg/L				<0.40	9910521	<0.40	0.40	9910521
Total Organic Carbon (TOC)	mg/L	<0.40	0.40	9910641	0.43	9910641	<0.40	0.40	9910641
Dissolved Oxygen	mg/L				10.9	9910274	10.8	0.050	9910274
pH	pH				6.91	9910522	6.17		9910522
Total Suspended Solids	mg/L				29	9910332	4	1	9910332
Turbidity	NTU				4.8	9910515	0.4	0.1	9910515
Alkalinity (Total as CaCO3)	mg/L				4.1	9910519	<1.0	1.0	9910519
Chloride (Cl-)	mg/L				1.4	9910511	<1.0	1.0	9910511
Dissolved Sulphate (SO4)	mg/L				<0.50	9913099	1.4	0.50	9913096
Metals									
Dissolved Aluminum (Al)	ug/L				13.4	9915138	1.14	0.50	9915139
Total Aluminum (Al)	ug/L				518	9915140	66.8	3.0	9915140
Dissolved Antimony (Sb)	ug/L				<0.020	9915138	<0.020	0.020	9915139
Total Antimony (Sb)	ug/L				0.030	9915140	<0.020	0.020	9915140
Dissolved Arsenic (As)	ug/L				4.28	9915138	0.407	0.020	9915139
Total Arsenic (As)	ug/L				48.7	9915140	3.49	0.020	9915140
Dissolved Barium (Ba)	ug/L				0.438	9915138	0.380	0.020	9915139
Total Barium (Ba)	ug/L				3.12	9915140	0.682	0.050	9915140
Dissolved Beryllium (Be)	ug/L				<0.010	9915138	<0.010	0.010	9915139
Total Beryllium (Be)	ug/L				<0.010	9915140	<0.010	0.010	9915140
Dissolved Boron (B)	ug/L				<10	9915138	<10	10	9915139

RDL = Reportable Detection Limit
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Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF29			APVF30		APVF31		
Sampling Date		2025/04/06 11:58			2025/04/06 12:07		2025/04/06 12:29		
COC Number		1026023			1026023		1026023		
	UNITS	SNOCOR T6-1000 Lab-Dup	RDL	QC Batch	SNOCOR T6-2000	QC Batch	SNOCOR T6-5000	RDL	QC Batch
Total Boron (B)	ug/L				<10	9915140	<10	10	9915140
Dissolved Cadmium (Cd)	ug/L				<0.0050	9915138	<0.0050	0.0050	9915139
Total Cadmium (Cd)	ug/L				0.0089	9915140	<0.0050	0.0050	9915140
Dissolved Chromium (Cr)	ug/L				0.15	9915138	0.18	0.10	9915139
Total Chromium (Cr)	ug/L				1.48	9915140	0.29	0.10	9915140
Dissolved Cobalt (Co)	ug/L				0.0226	9915138	<0.0050	0.0050	9915139
Total Cobalt (Co)	ug/L				0.316	9915140	0.045	0.010	9915140
Dissolved Copper (Cu)	ug/L				0.106	9915138	0.186	0.050	9915139
Total Copper (Cu)	ug/L				1.23	9915140	0.34	0.10	9915140
Dissolved Iron (Fe)	ug/L				7.5	9915138	9.2	1.0	9915139
Total Iron (Fe)	ug/L				1480	9915140	190	5.0	9915140
Dissolved Lead (Pb)	ug/L				0.0641	9915138	0.0370	0.0050	9915139
Total Lead (Pb)	ug/L				3.80	9915140	0.418	0.020	9915140
Dissolved Lithium (Li)	ug/L				<0.50	9915138	<0.50	0.50	9915139
Total Lithium (Li)	ug/L				0.64	9915140	<0.50	0.50	9915140
Dissolved Manganese (Mn)	ug/L				11.6	9915138	1.48	0.050	9915139
Total Manganese (Mn)	ug/L				22.6	9915140	2.58	0.10	9915140
Dissolved Molybdenum (Mo)	ug/L				<0.050	9915138	<0.050	0.050	9915139
Total Molybdenum (Mo)	ug/L				<0.050	9915140	<0.050	0.050	9915140
Dissolved Nickel (Ni)	ug/L				0.086	9915138	0.043	0.020	9915139
Total Nickel (Ni)	ug/L				1.07	9915140	0.17	0.10	9915140
Dissolved Selenium (Se)	ug/L				0.046	9915138	<0.040	0.040	9915139
Total Selenium (Se)	ug/L				<0.040	9915140	<0.040	0.040	9915140
Dissolved Silver (Ag)	ug/L				0.0053	9915138	<0.0050	0.0050	9915139
Total Silver (Ag)	ug/L				<0.010	9915140	<0.010	0.010	9915140
Dissolved Strontium (Sr)	ug/L				4.00	9915138	0.766	0.050	9915139
Total Strontium (Sr)	ug/L				5.62	9915140	0.983	0.050	9915140
Dissolved Thallium (Tl)	ug/L				<0.0020	9915138	<0.0020	0.0020	9915139
Total Thallium (Tl)	ug/L				0.0039	9915140	<0.0020	0.0020	9915140

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Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF29			APVF30		APVF31		
Sampling Date		2025/04/06 11:58			2025/04/06 12:07		2025/04/06 12:29		
COC Number		1026023			1026023		1026023		
	UNITS	SNOCOR T6-1000 Lab-Dup	RDL	QC Batch	SNOCOR T6-2000	QC Batch	SNOCOR T6-5000	RDL	QC Batch
Dissolved Tin (Sn)	ug/L				<0.20	9915138	<0.20	0.20	9915139
Total Tin (Sn)	ug/L				<0.20	9915140	<0.20	0.20	9915140
Dissolved Titanium (Ti)	ug/L				<0.50	9915138	<0.50	0.50	9915139
Total Titanium (Ti)	ug/L				10.9	9915140	<2.0	2.0	9915140
Dissolved Uranium (U)	ug/L				0.0030	9915138	<0.0020	0.0020	9915139
Total Uranium (U)	ug/L				0.0151	9915140	<0.0050	0.0050	9915140
Dissolved Vanadium (V)	ug/L				<0.20	9915138	<0.20	0.20	9915139
Total Vanadium (V)	ug/L				0.98	9915140	<0.20	0.20	9915140
Dissolved Zinc (Zn)	ug/L				0.71	9915138	2.12	0.10	9915139
Total Zinc (Zn)	ug/L				3.5	9915140	2.8	1.0	9915140
Dissolved Calcium (Ca)	mg/L				1.31	9915136	0.174	0.050	9915136
Total Calcium (Ca)	mg/L				1.61	9915134	<0.25	0.25	9915134
Dissolved Magnesium (Mg)	mg/L				0.152	9915136	0.051	0.050	9915136
Total Magnesium (Mg)	mg/L				0.44	9915134	<0.25	0.25	9915134
Dissolved Potassium (K)	mg/L				0.067	9915136	<0.050	0.050	9915136
Total Potassium (K)	mg/L				<0.25	9915134	<0.25	0.25	9915134
Dissolved Sodium (Na)	mg/L				0.798	9915136	0.279	0.050	9915136
Total Sodium (Na)	mg/L				0.80	9915134	0.29	0.25	9915134

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF32			APVF32		
Sampling Date		2025/04/06 12:59			2025/04/06 12:59		
COC Number		1026023			1026023		
	UNITS	SNOCOR T6-10000	RDL	QC Batch	SNOCOR T6-10000 Lab-Dup	RDL	QC Batch
Calculated Parameters							
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	9908951			
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	9908951			
Dissolved Hardness (CaCO3)	mg/L	0.73	0.50	9915135			
Inorganics							
Total BOD	mg/L	<2	2	9910213			
Conductivity	mS/cm	0.007	0.002	9910520			
Total Dissolved Solids	mg/L	<10	10	9910329			
Dissolved Organic Carbon	mg/L	<0.40	0.40	9910528			
Total Organic Carbon (TOC)	mg/L	0.40	0.40	9910641			
Dissolved Oxygen	mg/L	10.9	0.050	9910274			
pH	pH	5.87		9910522			
Total Suspended Solids	mg/L	2	1	9910332			
Turbidity	NTU	0.3	0.1	9910515			
Alkalinity (Total as CaCO3)	mg/L	<1.0	1.0	9910519			
Chloride (Cl-)	mg/L	1.5	1.0	9910513	1.5	1.0	9910513
Dissolved Sulphate (SO4)	mg/L	<0.50	0.50	9913096			
Metals							
Dissolved Aluminum (Al)	ug/L	2.94	0.50	9915139			
Total Aluminum (Al)	ug/L	23.6	3.0	9915140			
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	9915139			
Total Antimony (Sb)	ug/L	<0.020	0.020	9915140			
Dissolved Arsenic (As)	ug/L	0.425	0.020	9915139			
Total Arsenic (As)	ug/L	1.66	0.020	9915140			
Dissolved Barium (Ba)	ug/L	0.230	0.020	9915139			
Total Barium (Ba)	ug/L	0.369	0.050	9915140			
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	9915139			
Total Beryllium (Be)	ug/L	<0.010	0.010	9915140			
Dissolved Boron (B)	ug/L	<10	10	9915139			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF32			APVF32		
Sampling Date		2025/04/06 12:59			2025/04/06 12:59		
COC Number		1026023			1026023		
	UNITS	SNOCOR T6-10000	RDL	QC Batch	SNOCOR T6-10000 Lab-Dup	RDL	QC Batch
Total Boron (B)	ug/L	<10	10	9915140			
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	9915139			
Total Cadmium (Cd)	ug/L	<0.0050	0.0050	9915140			
Dissolved Chromium (Cr)	ug/L	0.24	0.10	9915139			
Total Chromium (Cr)	ug/L	0.17	0.10	9915140			
Dissolved Cobalt (Co)	ug/L	<0.0050	0.0050	9915139			
Total Cobalt (Co)	ug/L	0.011	0.010	9915140			
Dissolved Copper (Cu)	ug/L	0.112	0.050	9915139			
Total Copper (Cu)	ug/L	0.24	0.10	9915140			
Dissolved Iron (Fe)	ug/L	6.0	1.0	9915139			
Total Iron (Fe)	ug/L	72.8	5.0	9915140			
Dissolved Lead (Pb)	ug/L	0.0830	0.0050	9915139			
Total Lead (Pb)	ug/L	0.477	0.020	9915140			
Dissolved Lithium (Li)	ug/L	<0.50	0.50	9915139			
Total Lithium (Li)	ug/L	<0.50	0.50	9915140			
Dissolved Manganese (Mn)	ug/L	0.836	0.050	9915139			
Total Manganese (Mn)	ug/L	1.17	0.10	9915140			
Dissolved Molybdenum (Mo)	ug/L	<0.050	0.050	9915139			
Total Molybdenum (Mo)	ug/L	<0.050	0.050	9915140			
Dissolved Nickel (Ni)	ug/L	0.054	0.020	9915139			
Total Nickel (Ni)	ug/L	<0.10	0.10	9915140			
Dissolved Selenium (Se)	ug/L	<0.040	0.040	9915139			
Total Selenium (Se)	ug/L	<0.040	0.040	9915140			
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	9915139			
Total Silver (Ag)	ug/L	<0.010	0.010	9915140			
Dissolved Strontium (Sr)	ug/L	0.949	0.050	9915139			
Total Strontium (Sr)	ug/L	0.936	0.050	9915140			
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	9915139			
Total Thallium (Tl)	ug/L	<0.0020	0.0020	9915140			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF32			APVF32		
Sampling Date		2025/04/06 12:59			2025/04/06 12:59		
COC Number		1026023			1026023		
	UNITS	SNOCOR T6-10000	RDL	QC Batch	SNOCOR T6-10000 Lab-Dup	RDL	QC Batch
Dissolved Tin (Sn)	ug/L	<0.20	0.20	9915139			
Total Tin (Sn)	ug/L	<0.20	0.20	9915140			
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	9915139			
Total Titanium (Ti)	ug/L	<2.0	2.0	9915140			
Dissolved Uranium (U)	ug/L	<0.0020	0.0020	9915139			
Total Uranium (U)	ug/L	<0.0050	0.0050	9915140			
Dissolved Vanadium (V)	ug/L	<0.20	0.20	9915139			
Total Vanadium (V)	ug/L	<0.20	0.20	9915140			
Dissolved Zinc (Zn)	ug/L	1.95	0.10	9915139			
Total Zinc (Zn)	ug/L	2.1	1.0	9915140			
Dissolved Calcium (Ca)	mg/L	0.129	0.050	9915136			
Total Calcium (Ca)	mg/L	<0.25	0.25	9915134			
Dissolved Magnesium (Mg)	mg/L	0.099	0.050	9915136			
Total Magnesium (Mg)	mg/L	<0.25	0.25	9915134			
Dissolved Potassium (K)	mg/L	<0.050	0.050	9915136			
Total Potassium (K)	mg/L	<0.25	0.25	9915134			
Dissolved Sodium (Na)	mg/L	0.719	0.050	9915136			
Total Sodium (Na)	mg/L	0.66	0.25	9915134			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF33			APVF33		
Sampling Date		2025/04/06 11:29			2025/04/06 11:29		
COC Number		1026023			1026023		
	UNITS	SNOCOR T6-100 DUP	RDL	QC Batch	SNOCOR T6-100 DUP Lab-Dup	RDL	QC Batch
Calculated Parameters							
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	5.0	1.0	9908951			
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	1.0	9908951			
Dissolved Hardness (CaCO3)	mg/L	4.97	0.50	9915135			
Inorganics							
Total BOD	mg/L	<2	2	9910213			
Conductivity	mS/cm	0.018	0.002	9910520			
Total Dissolved Solids	mg/L	<10	10	9910329			
Dissolved Organic Carbon	mg/L	0.48	0.40	9910521	<0.40	0.40	9910521
Total Organic Carbon (TOC)	mg/L	0.44	0.40	9910641			
Dissolved Oxygen	mg/L	10.9	0.050	9910274			
pH	pH	7.01		9910522			
Total Suspended Solids	mg/L	39	1	9910332			
Turbidity	NTU	6.3	0.1	9910515			
Alkalinity (Total as CaCO3)	mg/L	5.0	1.0	9910519			
Chloride (Cl-)	mg/L	1.4	1.0	9910511			
Dissolved Sulphate (SO4)	mg/L	<0.50	0.50	9913099			
Metals							
Dissolved Aluminum (Al)	ug/L	14.2	0.50	9915139			
Total Aluminum (Al)	ug/L	704	3.0	9915140			
Dissolved Antimony (Sb)	ug/L	<0.020	0.020	9915139			
Total Antimony (Sb)	ug/L	0.033	0.020	9915140			
Dissolved Arsenic (As)	ug/L	3.94	0.020	9915139			
Total Arsenic (As)	ug/L	40.6	0.020	9915140			
Dissolved Barium (Ba)	ug/L	0.369	0.020	9915139			
Total Barium (Ba)	ug/L	3.31	0.050	9915140			
Dissolved Beryllium (Be)	ug/L	<0.010	0.010	9915139			
Total Beryllium (Be)	ug/L	<0.010	0.010	9915140			
Dissolved Boron (B)	ug/L	<10	10	9915139			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF33			APVF33		
Sampling Date		2025/04/06 11:29			2025/04/06 11:29		
COC Number		1026023			1026023		
	UNITS	SNOCOR T6-100 DUP	RDL	QC Batch	SNOCOR T6-100 DUP Lab-Dup	RDL	QC Batch
Total Boron (B)	ug/L	<10	10	9915140			
Dissolved Cadmium (Cd)	ug/L	<0.0050	0.0050	9915139			
Total Cadmium (Cd)	ug/L	0.0088	0.0050	9915140			
Dissolved Chromium (Cr)	ug/L	0.26	0.10	9915139			
Total Chromium (Cr)	ug/L	1.83	0.10	9915140			
Dissolved Cobalt (Co)	ug/L	0.0270	0.0050	9915139			
Total Cobalt (Co)	ug/L	0.420	0.010	9915140			
Dissolved Copper (Cu)	ug/L	<0.050	0.050	9915139			
Total Copper (Cu)	ug/L	1.24	0.10	9915140			
Dissolved Iron (Fe)	ug/L	6.5	1.0	9915139			
Total Iron (Fe)	ug/L	1930	5.0	9915140			
Dissolved Lead (Pb)	ug/L	0.0380	0.0050	9915139			
Total Lead (Pb)	ug/L	3.25	0.020	9915140			
Dissolved Lithium (Li)	ug/L	<0.50	0.50	9915139			
Total Lithium (Li)	ug/L	1.00	0.50	9915140			
Dissolved Manganese (Mn)	ug/L	13.2	0.050	9915139			
Total Manganese (Mn)	ug/L	30.0	0.10	9915140			
Dissolved Molybdenum (Mo)	ug/L	<0.050	0.050	9915139			
Total Molybdenum (Mo)	ug/L	0.128	0.050	9915140			
Dissolved Nickel (Ni)	ug/L	0.106	0.020	9915139			
Total Nickel (Ni)	ug/L	1.49	0.10	9915140			
Dissolved Selenium (Se)	ug/L	<0.040	0.040	9915139			
Total Selenium (Se)	ug/L	<0.040	0.040	9915140			
Dissolved Silver (Ag)	ug/L	<0.0050	0.0050	9915139			
Total Silver (Ag)	ug/L	<0.010	0.010	9915140			
Dissolved Strontium (Sr)	ug/L	5.83	0.050	9915139			
Total Strontium (Sr)	ug/L	8.34	0.050	9915140			
Dissolved Thallium (Tl)	ug/L	<0.0020	0.0020	9915139			
Total Thallium (Tl)	ug/L	0.0045	0.0020	9915140			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF33			APVF33		
Sampling Date		2025/04/06 11:29			2025/04/06 11:29		
COC Number		1026023			1026023		
	UNITS	SNOCOR T6-100 DUP	RDL	QC Batch	SNOCOR T6-100 DUP Lab-Dup	RDL	QC Batch
Dissolved Tin (Sn)	ug/L	<0.20	0.20	9915139			
Total Tin (Sn)	ug/L	<0.20	0.20	9915140			
Dissolved Titanium (Ti)	ug/L	<0.50	0.50	9915139			
Total Titanium (Ti)	ug/L	8.9	2.0	9915140			
Dissolved Uranium (U)	ug/L	0.0020	0.0020	9915139			
Total Uranium (U)	ug/L	0.0206	0.0050	9915140			
Dissolved Vanadium (V)	ug/L	<0.20	0.20	9915139			
Total Vanadium (V)	ug/L	1.19	0.20	9915140			
Dissolved Zinc (Zn)	ug/L	0.52	0.10	9915139			
Total Zinc (Zn)	ug/L	4.6	1.0	9915140			
Dissolved Calcium (Ca)	mg/L	1.72	0.050	9915136			
Total Calcium (Ca)	mg/L	2.23	0.25	9915134			
Dissolved Magnesium (Mg)	mg/L	0.161	0.050	9915136			
Total Magnesium (Mg)	mg/L	0.53	0.25	9915134			
Dissolved Potassium (K)	mg/L	0.075	0.050	9915136			
Total Potassium (K)	mg/L	<0.25	0.25	9915134			
Dissolved Sodium (Na)	mg/L	0.682	0.050	9915136			
Total Sodium (Na)	mg/L	0.69	0.25	9915134			

RDL = Reportable Detection Limit
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Lab-Dup = Laboratory Initiated Duplicate

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Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF34		APVF35		APVF36		
Sampling Date		2025/04/06 11:06		2025/04/06 10:59		2025/04/06 10:39		
COC Number		1026023		1026023		1026023		
	UNITS	SNOCOR T7-50	QC Batch	SNOCOR T7-100	QC Batch	SNOCOR T7-250	RDL	QC Batch
Calculated Parameters								
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	2.0	9908951	2.2	9908951	3.1	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	9908951	<1.0	9908951	<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L	1.77	9915135	1.55	9915135	2.43	0.50	9915135
Inorganics								
Total BOD	mg/L	<2	9910213	<2	9910214	<2	2	9910214
Conductivity	mS/cm	0.008	9910520	0.010	9910525	0.011	0.002	9910525
Total Dissolved Solids	mg/L	35	9910329	30	9910414	25	10	9910414
Dissolved Organic Carbon	mg/L	<0.40	9910521	<0.40	9910528	0.43	0.40	9910528
Total Organic Carbon (TOC)	mg/L	0.43	9910641	0.47	9910641	0.57	0.40	9910642
Dissolved Oxygen	mg/L	10.5	9910274	10.9	9910274	10.6	0.050	9910275
pH	pH	6.65	9910522	6.63	9910527	6.80		9910527
Total Suspended Solids	mg/L	17	9910332	21	9910242	34	1	9910242
Turbidity	NTU	2.0	9910515	3.8	9910428	6.5	0.1	9910428
Alkalinity (Total as CaCO3)	mg/L	2.0	9910519	2.2	9910523	3.1	1.0	9910523
Chloride (Cl-)	mg/L	<1.0	9910511	1.3	9910513	<1.0	1.0	9910513
Dissolved Sulphate (SO4)	mg/L	<0.50	9913099	<0.50	9913099	<0.50	0.50	9913096
Metals								
Dissolved Aluminum (Al)	ug/L	4.13	9915139	2.78	9915139	6.09	0.50	9915139
Total Aluminum (Al)	ug/L	285	9915140	269	9915140	450	3.0	9915140
Dissolved Antimony (Sb)	ug/L	<0.020	9915139	<0.020	9915139	<0.020	0.020	9915139
Total Antimony (Sb)	ug/L	0.020	9915140	<0.020	9915140	0.035	0.020	9915140
Dissolved Arsenic (As)	ug/L	0.880	9915139	0.887	9915139	3.26	0.020	9915139
Total Arsenic (As)	ug/L	15.9	9915140	27.1	9915140	50.8	0.020	9915140
Dissolved Barium (Ba)	ug/L	0.256	9915139	0.268	9915139	0.334	0.020	9915139
Total Barium (Ba)	ug/L	1.62	9915140	1.58	9915140	2.96	0.050	9915140
Dissolved Beryllium (Be)	ug/L	<0.010	9915139	<0.010	9915139	<0.010	0.010	9915139
Total Beryllium (Be)	ug/L	<0.010	9915140	<0.010	9915140	0.012	0.010	9915140
Dissolved Boron (B)	ug/L	<10	9915139	<10	9915139	<10	10	9915139
Total Boron (B)	ug/L	<10	9915140	<10	9915140	<10	10	9915140

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF34		APVF35		APVF36		
Sampling Date		2025/04/06 11:06		2025/04/06 10:59		2025/04/06 10:39		
COC Number		1026023		1026023		1026023		
	UNITS	SNOCOR T7-50	QC Batch	SNOCOR T7-100	QC Batch	SNOCOR T7-250	RDL	QC Batch
Dissolved Cadmium (Cd)	ug/L	<0.0050	9915139	<0.0050	9915139	<0.0050	0.0050	9915139
Total Cadmium (Cd)	ug/L	0.0061	9915140	0.0052	9915140	0.0127	0.0050	9915140
Dissolved Chromium (Cr)	ug/L	0.17	9915139	0.23	9915139	0.25	0.10	9915139
Total Chromium (Cr)	ug/L	0.78	9915140	0.77	9915140	1.12	0.10	9915140
Dissolved Cobalt (Co)	ug/L	0.0140	9915139	0.0080	9915139	0.0200	0.0050	9915139
Total Cobalt (Co)	ug/L	0.169	9915140	0.143	9915140	0.215	0.010	9915140
Dissolved Copper (Cu)	ug/L	<0.050	9915139	0.112	9915139	0.095	0.050	9915139
Total Copper (Cu)	ug/L	0.68	9915140	0.81	9915140	1.32	0.10	9915140
Dissolved Iron (Fe)	ug/L	10.2	9915139	6.5	9915139	13.0	1.0	9915139
Total Iron (Fe)	ug/L	791	9915140	855	9915140	1540	5.0	9915140
Dissolved Lead (Pb)	ug/L	0.0440	9915139	0.0390	9915139	0.0800	0.0050	9915139
Total Lead (Pb)	ug/L	1.99	9915140	2.58	9915140	4.33	0.020	9915140
Dissolved Lithium (Li)	ug/L	<0.50	9915139	<0.50	9915139	<0.50	0.50	9915139
Total Lithium (Li)	ug/L	<0.50	9915140	<0.50	9915140	0.63	0.50	9915140
Dissolved Manganese (Mn)	ug/L	5.66	9915139	3.36	9915139	8.00	0.050	9915139
Total Manganese (Mn)	ug/L	11.9	9915140	11.3	9915140	20.4	0.10	9915140
Dissolved Molybdenum (Mo)	ug/L	<0.050	9915139	<0.050	9915139	<0.050	0.050	9915139
Total Molybdenum (Mo)	ug/L	<0.050	9915140	<0.050	9915140	<0.050	0.050	9915140
Dissolved Nickel (Ni)	ug/L	0.073	9915139	0.060	9915139	0.095	0.020	9915139
Total Nickel (Ni)	ug/L	0.59	9915140	0.53	9915140	0.80	0.10	9915140
Dissolved Selenium (Se)	ug/L	<0.040	9915139	<0.040	9915139	<0.040	0.040	9915139
Total Selenium (Se)	ug/L	<0.040	9915140	<0.040	9915140	0.044	0.040	9915140
Dissolved Silver (Ag)	ug/L	<0.0050	9915139	<0.0050	9915139	<0.0050	0.0050	9915139
Total Silver (Ag)	ug/L	<0.010	9915140	<0.010	9915140	<0.010	0.010	9915140
Dissolved Strontium (Sr)	ug/L	2.02	9915139	1.92	9915139	3.07	0.050	9915139
Total Strontium (Sr)	ug/L	3.33	9915140	3.41	9915140	5.48	0.050	9915140
Dissolved Thallium (Tl)	ug/L	<0.0020	9915139	<0.0020	9915139	<0.0020	0.0020	9915139
Total Thallium (Tl)	ug/L	0.0022	9915140	<0.0020	9915140	0.0042	0.0020	9915140
Dissolved Tin (Sn)	ug/L	<0.20	9915139	<0.20	9915139	<0.20	0.20	9915139
Total Tin (Sn)	ug/L	<0.20	9915140	<0.20	9915140	<0.20	0.20	9915140

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF34		APVF35		APVF36		
Sampling Date		2025/04/06 11:06		2025/04/06 10:59		2025/04/06 10:39		
COC Number		1026023		1026023		1026023		
	UNITS	SNOCOR T7-50	QC Batch	SNOCOR T7-100	QC Batch	SNOCOR T7-250	RDL	QC Batch
Dissolved Titanium (Ti)	ug/L	<0.50	9915139	<0.50	9915139	<0.50	0.50	9915139
Total Titanium (Ti)	ug/L	3.9	9915140	4.2	9915140	8.0	2.0	9915140
Dissolved Uranium (U)	ug/L	<0.0020	9915139	0.0020	9915139	<0.0020	0.0020	9915139
Total Uranium (U)	ug/L	0.0067	9915140	0.0072	9915140	0.0100	0.0050	9915140
Dissolved Vanadium (V)	ug/L	<0.20	9915139	<0.20	9915139	<0.20	0.20	9915139
Total Vanadium (V)	ug/L	0.43	9915140	0.41	9915140	0.67	0.20	9915140
Dissolved Zinc (Zn)	ug/L	1.40	9915139	1.22	9915139	0.99	0.10	9915139
Total Zinc (Zn)	ug/L	3.5	9915140	2.8	9915140	3.9	1.0	9915140
Dissolved Calcium (Ca)	mg/L	0.569	9915136	0.461	9915136	0.797	0.050	9915136
Total Calcium (Ca)	mg/L	0.80	9915134	0.77	9915134	1.35	0.25	9915134
Dissolved Magnesium (Mg)	mg/L	0.083	9915136	0.097	9915136	0.108	0.050	9915136
Total Magnesium (Mg)	mg/L	<0.25	9915134	0.26	9915134	0.37	0.25	9915134
Dissolved Potassium (K)	mg/L	<0.050	9915136	<0.050	9915136	<0.050	0.050	9915136
Total Potassium (K)	mg/L	<0.25	9915134	<0.25	9915134	<0.25	0.25	9915134
Dissolved Sodium (Na)	mg/L	0.389	9915136	0.551	9915136	0.455	0.050	9915136
Total Sodium (Na)	mg/L	0.41	9915134	0.56	9915134	0.47	0.25	9915134

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF36			APVF37		APVF38		
Sampling Date		2025/04/06 10:39			2025/04/06 10:29		2025/04/06 10:08		
COC Number		1026023			1026023		1026023		
	UNITS	SNOCOR T7-250 Lab-Dup	RDL	QC Batch	SNOCOR T7-500	QC Batch	SNOCOR T7-1000	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L				2.3	9908951	3.4	1.0	9908951
Carb. Alkalinity (calc. as CaCO3)	mg/L				<1.0	9908951	<1.0	1.0	9908951
Dissolved Hardness (CaCO3)	mg/L				2.56	9915135	2.97	0.50	9915135
Inorganics									
Total BOD	mg/L				<2	9910214	<2	2	9910214
Conductivity	mS/cm				0.013	9910525	0.013	0.002	9910525
Total Dissolved Solids	mg/L				20	9910414	20	10	9910414
Dissolved Organic Carbon	mg/L				0.43	9910521	<0.40	0.40	9910521
Total Organic Carbon (TOC)	mg/L				0.53	9910642	0.46	0.40	9910642
Dissolved Oxygen	mg/L	10.6	0.050	9910275	10.7	9910275	10.8	0.050	9910275
pH	pH				6.72	9910527	6.86		9910527
Total Suspended Solids	mg/L				23	9910242	40	1	9910242
Turbidity	NTU				4.0	9910428	8.3	0.1	9910428
Alkalinity (Total as CaCO3)	mg/L				2.4	9910523	3.4	1.0	9910523
Chloride (Cl-)	mg/L				1.9	9910513	1.1	1.0	9910513
Dissolved Sulphate (SO4)	mg/L				<0.50	9913099	<0.50	0.50	9913099
Metals									
Dissolved Aluminum (Al)	ug/L				3.12	9915138	4.56	0.50	9915139
Total Aluminum (Al)	ug/L				297	9915140	553	3.0	9915140
Dissolved Antimony (Sb)	ug/L				<0.020	9915138	<0.020	0.020	9915139
Total Antimony (Sb)	ug/L				0.022	9915140	0.030	0.020	9915140
Dissolved Arsenic (As)	ug/L				1.85	9915138	1.28	0.020	9915139
Total Arsenic (As)	ug/L				16.2	9915140	39.1	0.020	9915140
Dissolved Barium (Ba)	ug/L				0.433	9915138	0.296	0.020	9915139
Total Barium (Ba)	ug/L				1.84	9915140	3.03	0.050	9915140
Dissolved Beryllium (Be)	ug/L				<0.010	9915138	<0.010	0.010	9915139
Total Beryllium (Be)	ug/L				<0.010	9915140	<0.010	0.010	9915140
Dissolved Boron (B)	ug/L				<10	9915138	<10	10	9915139

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF36			APVF37		APVF38		
Sampling Date		2025/04/06 10:39			2025/04/06 10:29		2025/04/06 10:08		
COC Number		1026023			1026023		1026023		
	UNITS	SNOCOR T7-250 Lab-Dup	RDL	QC Batch	SNOCOR T7-500	QC Batch	SNOCOR T7-1000	RDL	QC Batch
Total Boron (B)	ug/L				<10	9915140	<10	10	9915140
Dissolved Cadmium (Cd)	ug/L				<0.0050	9915138	0.0050	0.0050	9915139
Total Cadmium (Cd)	ug/L				0.0056	9915140	0.0109	0.0050	9915140
Dissolved Chromium (Cr)	ug/L				0.15	9915138	0.29	0.10	9915139
Total Chromium (Cr)	ug/L				0.81	9915140	1.49	0.10	9915140
Dissolved Cobalt (Co)	ug/L				0.0251	9915138	0.0210	0.0050	9915139
Total Cobalt (Co)	ug/L				0.148	9915140	0.358	0.010	9915140
Dissolved Copper (Cu)	ug/L				0.152	9915138	0.069	0.050	9915139
Total Copper (Cu)	ug/L				0.67	9915140	1.10	0.10	9915140
Dissolved Iron (Fe)	ug/L				5.8	9915138	10.5	1.0	9915139
Total Iron (Fe)	ug/L				853	9915140	1630	5.0	9915140
Dissolved Lead (Pb)	ug/L				0.0443	9915138	0.0530	0.0050	9915139
Total Lead (Pb)	ug/L				1.58	9915140	4.80	0.020	9915140
Dissolved Lithium (Li)	ug/L				<0.50	9915138	<0.50	0.50	9915139
Total Lithium (Li)	ug/L				<0.50	9915140	0.77	0.50	9915140
Dissolved Manganese (Mn)	ug/L				7.59	9915138	9.80	0.050	9915139
Total Manganese (Mn)	ug/L				13.0	9915140	26.1	0.10	9915140
Dissolved Molybdenum (Mo)	ug/L				<0.050	9915138	<0.050	0.050	9915139
Total Molybdenum (Mo)	ug/L				<0.050	9915140	0.052	0.050	9915140
Dissolved Nickel (Ni)	ug/L				0.093	9915138	0.148	0.020	9915139
Total Nickel (Ni)	ug/L				0.62	9915140	1.36	0.10	9915140
Dissolved Selenium (Se)	ug/L				0.053	9915138	<0.040	0.040	9915139
Total Selenium (Se)	ug/L				<0.040	9915140	<0.040	0.040	9915140
Dissolved Silver (Ag)	ug/L				<0.0050	9915138	<0.0050	0.0050	9915139
Total Silver (Ag)	ug/L				<0.010	9915140	0.014	0.010	9915140
Dissolved Strontium (Sr)	ug/L				3.11	9915138	3.34	0.050	9915139
Total Strontium (Sr)	ug/L				3.99	9915140	6.12	0.050	9915140
Dissolved Thallium (Tl)	ug/L				<0.0020	9915138	<0.0020	0.0020	9915139
Total Thallium (Tl)	ug/L				0.0020	9915140	0.0036	0.0020	9915140

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF36			APVF37		APVF38		
Sampling Date		2025/04/06 10:39			2025/04/06 10:29		2025/04/06 10:08		
COC Number		1026023			1026023		1026023		
	UNITS	SNOCOR T7-250 Lab-Dup	RDL	QC Batch	SNOCOR T7-500	QC Batch	SNOCOR T7-1000	RDL	QC Batch
Dissolved Tin (Sn)	ug/L				<0.20	9915138	<0.20	0.20	9915139
Total Tin (Sn)	ug/L				<0.20	9915140	<0.20	0.20	9915140
Dissolved Titanium (Ti)	ug/L				<0.50	9915138	<0.50	0.50	9915139
Total Titanium (Ti)	ug/L				4.4	9915140	7.3	2.0	9915140
Dissolved Uranium (U)	ug/L				<0.0020	9915138	0.0020	0.0020	9915139
Total Uranium (U)	ug/L				0.0060	9915140	0.0132	0.0050	9915140
Dissolved Vanadium (V)	ug/L				<0.20	9915138	<0.20	0.20	9915139
Total Vanadium (V)	ug/L				0.45	9915140	0.84	0.20	9915140
Dissolved Zinc (Zn)	ug/L				1.50	9915138	1.42	0.10	9915139
Total Zinc (Zn)	ug/L				3.3	9915140	4.6	1.0	9915140
Dissolved Calcium (Ca)	mg/L				0.764	9915136	0.976	0.050	9915136
Total Calcium (Ca)	mg/L				0.93	9915134	1.56	0.25	9915134
Dissolved Magnesium (Mg)	mg/L				0.157	9915136	0.130	0.050	9915136
Total Magnesium (Mg)	mg/L				0.31	9915134	0.47	0.25	9915134
Dissolved Potassium (K)	mg/L				0.059	9915136	0.072	0.050	9915136
Total Potassium (K)	mg/L				<0.25	9915134	<0.25	0.25	9915134
Dissolved Sodium (Na)	mg/L				0.901	9915136	0.620	0.050	9915136
Total Sodium (Na)	mg/L				0.89	9915134	0.63	0.25	9915134

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF39		APVF40			APVF40		
Sampling Date		2025/04/06 10:02		2025/04/06 09:33			2025/04/06 09:33		
COC Number		1026023		1026023			1026023		
	UNITS	SNOCOR T7-2000	QC Batch	SNOCOR T7-5000	RDL	QC Batch	SNOCOR T7-5000 Lab-Dup	RDL	QC Batch
Calculated Parameters									
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	1.2	9908951	<1.0	1.0	9909848			
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	9908951	<1.0	1.0	9909848			
Dissolved Hardness (CaCO3)	mg/L	1.62	9915135	0.59	0.50	9915135			
Inorganics									
Total BOD	mg/L	<2	9910214	<2	2	9910214			
Conductivity	mS/cm	0.010	9910525	0.005	0.002	9910525	0.004	0.002	9910525
Total Dissolved Solids	mg/L	15	9910414	<10	10	9910414			
Dissolved Organic Carbon	mg/L	<0.40	9910521	0.45	0.40	9910521			
Total Organic Carbon (TOC)	mg/L	0.49	9910642	0.54	0.40	9910642			
Dissolved Oxygen	mg/L	10.8	9910275	10.8	0.050	9910275			
pH	pH	6.31	9910527	5.93		9910527	5.88		9910527
Total Suspended Solids	mg/L	14	9910242	6	1	9910242			
Turbidity	NTU	2.0	9910428	0.5	0.1	9910428			
Alkalinity (Total as CaCO3)	mg/L	1.2	9910523	<1.0	1.0	9910523	<1.0	1.0	9910523
Chloride (Cl-)	mg/L	1.4	9910511	<1.0	1.0	9910513			
Dissolved Sulphate (SO4)	mg/L	<0.50	9913099	<0.50	0.50	9913099			
Metals									
Dissolved Aluminum (Al)	ug/L	3.22	9915139	1.83	0.50	9915139			
Total Aluminum (Al)	ug/L	175	9915140	53.1	3.0	9915140			
Dissolved Antimony (Sb)	ug/L	<0.020	9915139	<0.020	0.020	9915139			
Total Antimony (Sb)	ug/L	<0.020	9915140	<0.020	0.020	9915140			
Dissolved Arsenic (As)	ug/L	0.859	9915139	0.918	0.020	9915139			
Total Arsenic (As)	ug/L	11.3	9915140	3.41	0.020	9915140			
Dissolved Barium (Ba)	ug/L	0.368	9915139	0.231	0.020	9915139			
Total Barium (Ba)	ug/L	1.24	9915140	0.529	0.050	9915140			
Dissolved Beryllium (Be)	ug/L	<0.010	9915139	<0.010	0.010	9915139			
Total Beryllium (Be)	ug/L	<0.010	9915140	<0.010	0.010	9915140			
Dissolved Boron (B)	ug/L	<10	9915139	<10	10	9915139			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF39		APVF40			APVF40		
Sampling Date		2025/04/06 10:02		2025/04/06 09:33			2025/04/06 09:33		
COC Number		1026023		1026023			1026023		
	UNITS	SNOCOR T7-2000	QC Batch	SNOCOR T7-5000	RDL	QC Batch	SNOCOR T7-5000 Lab-Dup	RDL	QC Batch
Total Boron (B)	ug/L	<10	9915140	<10	10	9915140			
Dissolved Cadmium (Cd)	ug/L	0.0598	9915141	<0.0050	0.0050	9915139			
Total Cadmium (Cd)	ug/L	<0.0050	9915140	<0.0050	0.0050	9915140			
Dissolved Chromium (Cr)	ug/L	0.25	9915139	0.25	0.10	9915139			
Total Chromium (Cr)	ug/L	0.49	9915140	0.22	0.10	9915140			
Dissolved Cobalt (Co)	ug/L	0.0150	9915139	<0.0050	0.0050	9915139			
Total Cobalt (Co)	ug/L	0.098	9915140	0.021	0.010	9915140			
Dissolved Copper (Cu)	ug/L	0.107	9915139	0.109	0.050	9915139			
Total Copper (Cu)	ug/L	0.63	9915140	0.23	0.10	9915140			
Dissolved Iron (Fe)	ug/L	11.3	9915139	6.0	1.0	9915139			
Total Iron (Fe)	ug/L	496	9915140	156	5.0	9915140			
Dissolved Lead (Pb)	ug/L	0.0620	9915139	0.0480	0.0050	9915139			
Total Lead (Pb)	ug/L	1.16	9915140	0.261	0.020	9915140			
Dissolved Lithium (Li)	ug/L	<0.50	9915139	<0.50	0.50	9915139			
Total Lithium (Li)	ug/L	<0.50	9915140	<0.50	0.50	9915140			
Dissolved Manganese (Mn)	ug/L	4.01	9915139	1.48	0.050	9915139			
Total Manganese (Mn)	ug/L	7.53	9915140	2.42	0.10	9915140			
Dissolved Molybdenum (Mo)	ug/L	<0.050	9915139	<0.050	0.050	9915139			
Total Molybdenum (Mo)	ug/L	<0.050	9915140	<0.050	0.050	9915140			
Dissolved Nickel (Ni)	ug/L	0.088	9915139	0.060	0.020	9915139			
Total Nickel (Ni)	ug/L	0.40	9915140	0.12	0.10	9915140			
Dissolved Selenium (Se)	ug/L	<0.040	9915139	<0.040	0.040	9915139			
Total Selenium (Se)	ug/L	<0.040	9915140	<0.040	0.040	9915140			
Dissolved Silver (Ag)	ug/L	<0.0050	9915139	<0.0050	0.0050	9915139			
Total Silver (Ag)	ug/L	<0.010	9915140	<0.010	0.010	9915140			
Dissolved Strontium (Sr)	ug/L	1.92	9915139	0.771	0.050	9915139			
Total Strontium (Sr)	ug/L	2.57	9915140	0.978	0.050	9915140			
Dissolved Thallium (Tl)	ug/L	<0.0020	9915139	<0.0020	0.0020	9915139			
Total Thallium (Tl)	ug/L	<0.0020	9915140	<0.0020	0.0020	9915140			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF39		APVF40			APVF40		
Sampling Date		2025/04/06 10:02		2025/04/06 09:33			2025/04/06 09:33		
COC Number		1026023		1026023			1026023		
	UNITS	SNOCOR T7-2000	QC Batch	SNOCOR T7-5000	RDL	QC Batch	SNOCOR T7-5000 Lab-Dup	RDL	QC Batch
Dissolved Tin (Sn)	ug/L	<0.20	9915139	<0.20	0.20	9915139			
Total Tin (Sn)	ug/L	<0.20	9915140	<0.20	0.20	9915140			
Dissolved Titanium (Ti)	ug/L	<0.50	9915139	<0.50	0.50	9915139			
Total Titanium (Ti)	ug/L	2.8	9915140	<2.0	2.0	9915140			
Dissolved Uranium (U)	ug/L	<0.0020	9915139	<0.0020	0.0020	9915139			
Total Uranium (U)	ug/L	0.0057	9915140	<0.0050	0.0050	9915140			
Dissolved Vanadium (V)	ug/L	<0.20	9915139	<0.20	0.20	9915139			
Total Vanadium (V)	ug/L	0.24	9915140	<0.20	0.20	9915140			
Dissolved Zinc (Zn)	ug/L	1.94	9915139	1.83	0.10	9915139			
Total Zinc (Zn)	ug/L	5.3	9915140	2.2	1.0	9915140			
Dissolved Calcium (Ca)	mg/L	0.437	9915136	0.146	0.050	9915136			
Total Calcium (Ca)	mg/L	0.52	9915134	<0.25	0.25	9915134			
Dissolved Magnesium (Mg)	mg/L	0.129	9915136	0.056	0.050	9915136			
Total Magnesium (Mg)	mg/L	<0.25	9915134	<0.25	0.25	9915134			
Dissolved Potassium (K)	mg/L	0.066	9915136	<0.050	0.050	9915136			
Total Potassium (K)	mg/L	<0.25	9915134	<0.25	0.25	9915134			
Dissolved Sodium (Na)	mg/L	0.744	9915136	0.305	0.050	9915136			
Total Sodium (Na)	mg/L	0.76	9915134	0.32	0.25	9915134			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF41		APVF42		
Sampling Date		2025/04/06 09:33		2025/04/06 09:08		
COC Number		1026023		1026023		
	UNITS	SNOCOR T7-5000 DUP	QC Batch	SNOCOR T7-10000	RDL	QC Batch
Calculated Parameters						
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	9909848	<1.0	1.0	9909848
Carb. Alkalinity (calc. as CaCO3)	mg/L	<1.0	9909848	<1.0	1.0	9909848
Dissolved Hardness (CaCO3)	mg/L	0.60	9915135	0.51	0.50	9915135
Inorganics						
Total BOD	mg/L	<2	9910214	<2	2	9910214
Conductivity	mS/cm	0.005	9910520	0.006	0.002	9910525
Total Dissolved Solids	mg/L	<10	9910414	<10	10	9910414
Dissolved Organic Carbon	mg/L	0.42	9910521	<0.40	0.40	9910521
Total Organic Carbon (TOC)	mg/L	0.46	9910642	0.42	0.40	9910642
Dissolved Oxygen	mg/L	10.8	9910275	10.6	0.050	9910275
pH	pH	6.08	9910522	5.68		9910527
Total Suspended Solids	mg/L	4	9910242	1	1	9910242
Turbidity	NTU	0.5	9910515	<0.1	0.1	9910428
Alkalinity (Total as CaCO3)	mg/L	<1.0	9910519	<1.0	1.0	9910523
Chloride (Cl-)	mg/L	<1.0	9910511	<1.0	1.0	9910513
Dissolved Sulphate (SO4)	mg/L	<0.50	9913099	<0.50	0.50	9913099
Metals						
Dissolved Aluminum (Al)	ug/L	1.80	9915139	1.60	0.50	9915139
Total Aluminum (Al)	ug/L	40.1	9915140	6.8	3.0	9915140
Dissolved Antimony (Sb)	ug/L	<0.020	9915139	<0.020	0.020	9915139
Total Antimony (Sb)	ug/L	<0.020	9915140	<0.020	0.020	9915140
Dissolved Arsenic (As)	ug/L	0.731	9915139	0.101	0.020	9915139
Total Arsenic (As)	ug/L	2.53	9915140	0.175	0.020	9915140
Dissolved Barium (Ba)	ug/L	0.186	9915139	0.171	0.020	9915139
Total Barium (Ba)	ug/L	0.375	9915140	0.321	0.050	9915140
Dissolved Beryllium (Be)	ug/L	<0.010	9915139	<0.010	0.010	9915139
Total Beryllium (Be)	ug/L	<0.010	9915140	<0.010	0.010	9915140
Dissolved Boron (B)	ug/L	<10	9915139	<10	10	9915139
Total Boron (B)	ug/L	<10	9915140	<10	10	9915140

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF41		APVF42		
Sampling Date		2025/04/06 09:33		2025/04/06 09:08		
COC Number		1026023		1026023		
	UNITS	SNOCOR T7-5000 DUP	QC Batch	SNOCOR T7-10000	RDL	QC Batch
Dissolved Cadmium (Cd)	ug/L	<0.0050	9915139	<0.0050	0.0050	9915139
Total Cadmium (Cd)	ug/L	<0.0050	9915140	<0.0050	0.0050	9915140
Dissolved Chromium (Cr)	ug/L	0.29	9915139	0.22	0.10	9915139
Total Chromium (Cr)	ug/L	0.18	9915140	0.18	0.10	9915140
Dissolved Cobalt (Co)	ug/L	<0.0050	9915139	<0.0050	0.0050	9915139
Total Cobalt (Co)	ug/L	0.017	9915140	<0.010	0.010	9915140
Dissolved Copper (Cu)	ug/L	0.070	9915139	0.144	0.050	9915139
Total Copper (Cu)	ug/L	0.20	9915140	0.24	0.10	9915140
Dissolved Iron (Fe)	ug/L	6.4	9915139	10.3	1.0	9915139
Total Iron (Fe)	ug/L	117	9915140	22.9	5.0	9915140
Dissolved Lead (Pb)	ug/L	0.0410	9915139	0.0300	0.0050	9915139
Total Lead (Pb)	ug/L	0.227	9915140	0.067	0.020	9915140
Dissolved Lithium (Li)	ug/L	<0.50	9915139	<0.50	0.50	9915139
Total Lithium (Li)	ug/L	<0.50	9915140	<0.50	0.50	9915140
Dissolved Manganese (Mn)	ug/L	1.12	9915139	0.798	0.050	9915139
Total Manganese (Mn)	ug/L	1.89	9915140	1.24	0.10	9915140
Dissolved Molybdenum (Mo)	ug/L	<0.050	9915139	<0.050	0.050	9915139
Total Molybdenum (Mo)	ug/L	<0.050	9915140	<0.050	0.050	9915140
Dissolved Nickel (Ni)	ug/L	0.060	9915139	0.099	0.020	9915139
Total Nickel (Ni)	ug/L	0.11	9915140	0.13	0.10	9915140
Dissolved Selenium (Se)	ug/L	<0.040	9915139	<0.040	0.040	9915139
Total Selenium (Se)	ug/L	<0.040	9915140	<0.040	0.040	9915140
Dissolved Silver (Ag)	ug/L	<0.0050	9915139	<0.0050	0.0050	9915139
Total Silver (Ag)	ug/L	<0.010	9915140	<0.010	0.010	9915140
Dissolved Strontium (Sr)	ug/L	0.808	9915139	0.546	0.050	9915139
Total Strontium (Sr)	ug/L	0.920	9915140	0.612	0.050	9915140
Dissolved Thallium (Tl)	ug/L	<0.0020	9915139	<0.0020	0.0020	9915139
Total Thallium (Tl)	ug/L	<0.0020	9915140	<0.0020	0.0020	9915140
Dissolved Tin (Sn)	ug/L	<0.20	9915139	<0.20	0.20	9915139
Total Tin (Sn)	ug/L	<0.20	9915140	<0.20	0.20	9915140

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		APVF41		APVF42		
Sampling Date		2025/04/06 09:33		2025/04/06 09:08		
COC Number		1026023		1026023		
	UNITS	SNOCOR T7-5000 DUP	QC Batch	SNOCOR T7-10000	RDL	QC Batch
Dissolved Titanium (Ti)	ug/L	<0.50	9915139	<0.50	0.50	9915139
Total Titanium (Ti)	ug/L	<2.0	9915140	<2.0	2.0	9915140
Dissolved Uranium (U)	ug/L	<0.0020	9915139	<0.0020	0.0020	9915139
Total Uranium (U)	ug/L	<0.0050	9915140	<0.0050	0.0050	9915140
Dissolved Vanadium (V)	ug/L	<0.20	9915139	<0.20	0.20	9915139
Total Vanadium (V)	ug/L	<0.20	9915140	<0.20	0.20	9915140
Dissolved Zinc (Zn)	ug/L	1.56	9915139	1.82	0.10	9915139
Total Zinc (Zn)	ug/L	1.8	9915140	1.9	1.0	9915140
Dissolved Calcium (Ca)	mg/L	0.140	9915136	0.095	0.050	9915136
Total Calcium (Ca)	mg/L	<0.25	9915134	<0.25	0.25	9915134
Dissolved Magnesium (Mg)	mg/L	0.060	9915136	0.066	0.050	9915136
Total Magnesium (Mg)	mg/L	<0.25	9915134	<0.25	0.25	9915134
Dissolved Potassium (K)	mg/L	<0.050	9915136	<0.050	0.050	9915136
Total Potassium (K)	mg/L	<0.25	9915134	<0.25	0.25	9915134
Dissolved Sodium (Na)	mg/L	0.325	9915136	0.473	0.050	9915136
Total Sodium (Na)	mg/L	0.33	9915134	0.48	0.25	9915134

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF16
Sample ID: SNOCOR T2-50
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910528	N/A	2025/04/16	Massarat Jan
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913096	N/A	2025/04/21	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915137	N/A	2025/04/17	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF16 Dup
Sample ID: SNOCOR T2-50
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910528	N/A	2025/04/16	Massarat Jan
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur

Bureau Veritas ID: APVF17
Sample ID: SNOCOR T2-100
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913096	N/A	2025/04/21	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915137	N/A	2025/04/17	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF17
Sample ID: SNOCOR T2-100
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF17 Dup
Sample ID: SNOCOR T2-100
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil

Bureau Veritas ID: APVF18
Sample ID: SNOCOR T2-250
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915137	N/A	2025/04/17	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF18 Dup
Sample ID: SNOCOR T2-250
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila

TEST SUMMARY

Bureau Veritas ID: APVF18 Dup
Sample ID: SNOCOR T2-250
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel

Bureau Veritas ID: APVF19
Sample ID: SNOCOR T2-500
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910456	N/A	2025/04/16	Massarat Jan
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915137	N/A	2025/04/17	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF20
Sample ID: SNOCOR T2-1000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910528	N/A	2025/04/16	Massarat Jan
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915137	N/A	2025/04/17	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF20
Sample ID: SNOCOR T2-1000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF21
Sample ID: SNOCOR T2-2000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913096	N/A	2025/04/21	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915138	N/A	2025/04/17	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF22
Sample ID: SNOCOR T2-2000 DUP
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910456	N/A	2025/04/16	Massarat Jan
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913096	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF22
Sample ID: SNOCOR T2-2000 DUP
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF23
Sample ID: SNOCOR T2-5000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913096	N/A	2025/04/21	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF24
Sample ID: SNOCOR T2-10000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF24
Sample ID: SNOCOR T2-10000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF25
Sample ID: SNOCOR T6-50
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9914260	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF26
Sample ID: SNOCOR T6-100
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF26
Sample ID: SNOCOR T6-100
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913096	N/A	2025/04/21	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF27
Sample ID: SNOCOR T6-250
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913096	N/A	2025/04/21	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF27 Dup
Sample ID: SNOCOR T6-250
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF28
Sample ID: SNOCOR T6-500
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF29
Sample ID: SNOCOR T6-1000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF29 Dup
Sample ID: SNOCOR T6-1000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz

Bureau Veritas ID: APVF30
Sample ID: SNOCOR T6-2000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915138	N/A	2025/04/17	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF31
Sample ID: SNOCOR T6-5000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913096	N/A	2025/04/21	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF31
Sample ID: SNOCOR T6-5000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF32
Sample ID: SNOCOR T6-10000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910513	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910528	N/A	2025/04/16	Massarat Jan
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913096	N/A	2025/04/21	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF32 Dup
Sample ID: SNOCOR T6-10000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Anions	IC	9910513	N/A	2025/04/16	Violeta Porcila

Bureau Veritas ID: APVF33
Sample ID: SNOCOR T6-100 DUP
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF33
Sample ID: SNOCOR T6-100 DUP
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF33 Dup
Sample ID: SNOCOR T6-100 DUP
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz

Bureau Veritas ID: APVF34
Sample ID: SNOCOR T7-50
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910213	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910329	2025/04/15	2025/04/16	Madhav Somani
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910332	2025/04/15	2025/04/17	Madhav Somani
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF35
Sample ID: SNOCOR T7-100
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910523	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910513	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910214	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910525	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910528	N/A	2025/04/16	Massarat Jan
Dissolved Oxygen	DO	9910274	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910527	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910414	2025/04/15	2025/04/16	Razieh Tabesh
Total Organic Carbon (TOC)	TOCV/NDIR	9910641	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910242	2025/04/15	2025/04/16	Razieh Tabesh
Turbidity	AT	9910428	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF36
Sample ID: SNOCOR T7-250
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910523	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910513	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910214	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910525	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910528	N/A	2025/04/16	Massarat Jan
Dissolved Oxygen	DO	9910275	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913096	N/A	2025/04/21	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910527	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910414	2025/04/15	2025/04/16	Razieh Tabesh
Total Organic Carbon (TOC)	TOCV/NDIR	9910642	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910242	2025/04/15	2025/04/16	Razieh Tabesh
Turbidity	AT	9910428	N/A	2025/04/15	Kien Tran

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF36 Dup
Sample ID: SNOCOR T7-250
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Oxygen	DO	9910275	2025/04/15	2025/04/15	Gurjot Kaur

Bureau Veritas ID: APVF37
Sample ID: SNOCOR T7-500
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910523	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910513	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910214	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910525	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910275	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915138	N/A	2025/04/17	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910527	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910414	2025/04/15	2025/04/16	Razieh Tabesh
Total Organic Carbon (TOC)	TOCV/NDIR	9910642	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910242	2025/04/15	2025/04/16	Razieh Tabesh
Turbidity	AT	9910428	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF38
Sample ID: SNOCOR T7-1000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910523	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910513	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910214	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910525	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910275	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910527	2025/04/15	2025/04/16	Nachiketa Gohil

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF38
Sample ID: SNOCOR T7-1000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	9910414	2025/04/15	2025/04/16	Razieh Tabesh
Total Organic Carbon (TOC)	TOCV/NDIR	9910642	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910242	2025/04/15	2025/04/16	Razieh Tabesh
Turbidity	AT	9910428	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF39
Sample ID: SNOCOR T7-2000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910523	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9908951	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910214	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910525	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910275	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915141	N/A	2025/04/23	Andrew An
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910527	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910414	2025/04/15	2025/04/16	Razieh Tabesh
Total Organic Carbon (TOC)	TOCV/NDIR	9910642	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910242	2025/04/15	2025/04/16	Razieh Tabesh
Turbidity	AT	9910428	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF40
Sample ID: SNOCOR T7-5000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910523	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9909848	N/A	2025/04/16	Automated Statchk
Anions	IC	9910513	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910214	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910525	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910275	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF40
Sample ID: SNOCOR T7-5000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910527	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910414	2025/04/15	2025/04/16	Razieh Tabesh
Total Organic Carbon (TOC)	TOCV/NDIR	9910642	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910242	2025/04/15	2025/04/16	Razieh Tabesh
Turbidity	AT	9910428	N/A	2025/04/15	Kien Tran

Bureau Veritas ID: APVF40 Dup
Sample ID: SNOCOR T7-5000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910523	N/A	2025/04/16	Nachiketa Gohil
Conductivity	AT	9910525	N/A	2025/04/16	Nachiketa Gohil
pH	AT	9910527	2025/04/15	2025/04/16	Nachiketa Gohil

Bureau Veritas ID: APVF41
Sample ID: SNOCOR T7-5000 DUP
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910519	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9909848	N/A	2025/04/16	Automated Statchk
Anions	IC	9910511	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910214	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910520	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910275	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/21	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910522	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910414	2025/04/15	2025/04/16	Razieh Tabesh
Total Organic Carbon (TOC)	TOCV/NDIR	9910642	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910242	2025/04/15	2025/04/16	Razieh Tabesh
Turbidity	AT	9910515	N/A	2025/04/15	Kien Tran

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

TEST SUMMARY

Bureau Veritas ID: APVF42
Sample ID: SNOCOR T7-10000
Matrix: Water

Collected: 2025/04/06
Shipped:
Received: 2025/04/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9910523	N/A	2025/04/16	Nachiketa Gohil
Carbonate, Bicarbonate and Hydroxide	CALC	9909848	N/A	2025/04/16	Automated Statchk
Anions	IC	9910513	N/A	2025/04/16	Violeta Porcila
Biochemical Oxygen Demand (BOD)	DO	9910214	2025/04/15	2025/04/20	Gurjot Kaur
Conductivity	AT	9910525	N/A	2025/04/16	Nachiketa Gohil
Dissolved Organic Carbon (DOC)	TOCV/NDIR	9910521	N/A	2025/04/16	Gyulshen Idriz
Dissolved Oxygen	DO	9910275	2025/04/15	2025/04/15	Gurjot Kaur
Low Level Chloride and Sulphate by AC	KONE	9913099	N/A	2025/04/19	Monakint Patel
Hardness (calculated as CaCO3)	CALC	9915135	N/A	2025/04/21	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9915136	N/A	2025/04/21	Automated Statchk
Elements by ICPMS Low Level (dissolved)	ICP/MS	9915139	N/A	2025/04/17	Michelle Young
Elements by ICPMS Low Level (total)	ICP/MS	9915140	2025/04/17	2025/04/22	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9915134	N/A	2025/04/22	Automated Statchk
pH	AT	9910527	2025/04/15	2025/04/16	Nachiketa Gohil
Total Dissolved Solids	BAL	9910414	2025/04/15	2025/04/16	Razieh Tabesh
Total Organic Carbon (TOC)	TOCV/NDIR	9910642	N/A	2025/04/16	Gyulshen Idriz
Low Level Total Suspended Solids	BAL	9910242	2025/04/15	2025/04/16	Razieh Tabesh
Turbidity	AT	9910428	N/A	2025/04/15	Kien Tran

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	4.0°C
Package 2	4.0°C
Package 3	2.7°C
Package 4	2.7°C
Package 5	2.7°C
Package 6	3.3°C

Sample received past hold time for turbidity and dissolved oxygen analysis, proceeded with client consent.
TSS/TDS Analysis: Analysis was performed past sample holding time. This may increase the variability associated with these results.

Sample APVF22 [SNOCOR T2-2000 DUP] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.

Sample APVF33 [SNOCOR T6-100 DUP] : TOC< DOC: Both values fall within the method uncertainty for duplicates and are likely equivalent.
Sample APVF39, Elements by ICPMS Low Level (dissolved): Test repeated.

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

QUALITY ASSURANCE REPORT

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9910213	Total BOD	2025/04/20					<2	mg/L	17	30	100	80 - 120
9910214	Total BOD	2025/04/20					<2	mg/L	9.1	30	95	80 - 120
9910242	Total Suspended Solids	2025/04/16			98	80 - 120	<1	mg/L	NC	20		
9910274	Dissolved Oxygen	2025/04/15							0.091	30		
9910275	Dissolved Oxygen	2025/04/15							0.094	30		
9910329	Total Dissolved Solids	2025/04/16			97	80 - 120	<10	mg/L	0.21	20		
9910332	Total Suspended Solids	2025/04/17			98	80 - 120	<1	mg/L	0	20		
9910414	Total Dissolved Solids	2025/04/16			97	80 - 120	<10	mg/L	0.063	20		
9910428	Turbidity	2025/04/15			100	80 - 120	<0.1	NTU	6.0	20		
9910456	Dissolved Organic Carbon	2025/04/16	88	80 - 120	96	80 - 120	<0.40	mg/L	3.4	20		
9910511	Chloride (Cl-)	2025/04/16	100	80 - 120	100	70 - 130	<1.0	mg/L	17	20		
9910513	Chloride (Cl-)	2025/04/16	99	80 - 120	98	70 - 130	<1.0	mg/L	2.2	20		
9910515	Turbidity	2025/04/15			100	80 - 120	<0.1	NTU	1.1	20		
9910519	Alkalinity (Total as CaCO3)	2025/04/16			97	85 - 115	<1.0	mg/L	1.9	20		
9910520	Conductivity	2025/04/16			101	85 - 115	<0.002	mS/cm	0.91	10		
9910521	Dissolved Organic Carbon	2025/04/16	92	80 - 120	95	80 - 120	<0.40	mg/L	17	20		
9910522	pH	2025/04/16			102	98 - 103			1.3	N/A		
9910523	Alkalinity (Total as CaCO3)	2025/04/16			94	85 - 115	<1.0	mg/L	NC	20		
9910525	Conductivity	2025/04/16			101	85 - 115	<0.002	mS/cm	4.4	10		
9910527	pH	2025/04/16			102	98 - 103			0.80	N/A		
9910528	Dissolved Organic Carbon	2025/04/16	93	80 - 120	96	80 - 120	<0.40	mg/L	NC	20		
9910641	Total Organic Carbon (TOC)	2025/04/16	90	80 - 120	93	80 - 120	<0.40	mg/L	9.6	20		
9910642	Total Organic Carbon (TOC)	2025/04/16	94	80 - 120	97	80 - 120	<0.40	mg/L	2.1	20		
9913096	Dissolved Sulphate (SO4)	2025/04/19	101	80 - 120	101	80 - 120	<0.50	mg/L	1.8	20		
9913099	Dissolved Sulphate (SO4)	2025/04/19	102	80 - 120	101	80 - 120	<0.50	mg/L	1.4	20		
9914260	Total Aluminum (Al)	2025/04/22	133 (1)	80 - 120	102	80 - 120	<3.0	ug/L	1.4	20		
9914260	Total Antimony (Sb)	2025/04/22	102	80 - 120	99	80 - 120	<0.020	ug/L	4.7	20		
9914260	Total Arsenic (As)	2025/04/22	102	80 - 120	104	80 - 120	<0.020	ug/L	1.3	20		
9914260	Total Barium (Ba)	2025/04/22	103	80 - 120	99	80 - 120	<0.050	ug/L	4.5	20		
9914260	Total Beryllium (Be)	2025/04/22	102	80 - 120	98	80 - 120	<0.010	ug/L	NC	20		
9914260	Total Boron (B)	2025/04/22	101	80 - 120	97	80 - 120	<10	ug/L	NC	20		
9914260	Total Cadmium (Cd)	2025/04/22	103	80 - 120	101	80 - 120	<0.0050	ug/L	9.8	20		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9914260	Total Chromium (Cr)	2025/04/22	98	80 - 120	100	80 - 120	<0.10	ug/L	4.5	20		
9914260	Total Cobalt (Co)	2025/04/22	97	80 - 120	98	80 - 120	<0.010	ug/L	2.1	20		
9914260	Total Copper (Cu)	2025/04/22	96	80 - 120	98	80 - 120	<0.10	ug/L	3.8	20		
9914260	Total Iron (Fe)	2025/04/22	NC	80 - 120	100	80 - 120	<5.0	ug/L	0.34	20		
9914260	Total Lead (Pb)	2025/04/22	98	80 - 120	99	80 - 120	<0.020	ug/L	1.8	20		
9914260	Total Lithium (Li)	2025/04/22	100	80 - 120	96	80 - 120	<0.50	ug/L	NC	20		
9914260	Total Manganese (Mn)	2025/04/22	99	80 - 120	101	80 - 120	<0.10	ug/L	2.8	20		
9914260	Total Molybdenum (Mo)	2025/04/22	101	80 - 120	102	80 - 120	<0.050	ug/L	NC	20		
9914260	Total Nickel (Ni)	2025/04/22	101	80 - 120	102	80 - 120	<0.10	ug/L	3.0	20		
9914260	Total Selenium (Se)	2025/04/22	103	80 - 120	105	80 - 120	<0.040	ug/L	NC	20		
9914260	Total Silver (Ag)	2025/04/22	101	80 - 120	100	80 - 120	<0.010	ug/L	NC	20		
9914260	Total Strontium (Sr)	2025/04/22	102	80 - 120	104	80 - 120	<0.050	ug/L	3.3	20		
9914260	Total Thallium (Tl)	2025/04/22	98	80 - 120	97	80 - 120	<0.0020	ug/L	NC	20		
9914260	Total Tin (Sn)	2025/04/22	102	80 - 120	98	80 - 120	<0.20	ug/L	NC	20		
9914260	Total Titanium (Ti)	2025/04/22	108	80 - 120	106	80 - 120	<2.0	ug/L	2.4	20		
9914260	Total Uranium (U)	2025/04/22	101	80 - 120	99	80 - 120	<0.0050	ug/L	11	20		
9914260	Total Vanadium (V)	2025/04/22	103	80 - 120	104	80 - 120	<0.20	ug/L	1.0	20		
9914260	Total Zinc (Zn)	2025/04/22	102	80 - 120	104	80 - 120	<1.0	ug/L	2.7	20		
9915137	Dissolved Aluminum (Al)	2025/04/17	99	80 - 120	103	80 - 120	<0.50	ug/L				
9915137	Dissolved Antimony (Sb)	2025/04/17	99	80 - 120	100	80 - 120	<0.020	ug/L				
9915137	Dissolved Arsenic (As)	2025/04/17	100	80 - 120	103	80 - 120	<0.020	ug/L				
9915137	Dissolved Barium (Ba)	2025/04/17	100	80 - 120	103	80 - 120	<0.020	ug/L				
9915137	Dissolved Beryllium (Be)	2025/04/17	97	80 - 120	101	80 - 120	<0.010	ug/L				
9915137	Dissolved Boron (B)	2025/04/17	94	80 - 120	99	80 - 120	<10	ug/L				
9915137	Dissolved Cadmium (Cd)	2025/04/17	100	80 - 120	102	80 - 120	<0.0050	ug/L				
9915137	Dissolved Chromium (Cr)	2025/04/17	99	80 - 120	103	80 - 120	<0.10	ug/L				
9915137	Dissolved Cobalt (Co)	2025/04/17	94	80 - 120	98	80 - 120	<0.0050	ug/L				
9915137	Dissolved Copper (Cu)	2025/04/17	97	80 - 120	101	80 - 120	<0.050	ug/L				
9915137	Dissolved Iron (Fe)	2025/04/17	97	80 - 120	102	80 - 120	<1.0	ug/L				
9915137	Dissolved Lead (Pb)	2025/04/17	96	80 - 120	98	80 - 120	<0.0050	ug/L				
9915137	Dissolved Lithium (Li)	2025/04/17	95	80 - 120	101	80 - 120	<0.50	ug/L				
9915137	Dissolved Manganese (Mn)	2025/04/17	98	80 - 120	102	80 - 120	<0.050	ug/L				

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9915137	Dissolved Molybdenum (Mo)	2025/04/17	100	80 - 120	102	80 - 120	<0.050	ug/L				
9915137	Dissolved Nickel (Ni)	2025/04/17	97	80 - 120	101	80 - 120	<0.020	ug/L				
9915137	Dissolved Selenium (Se)	2025/04/17	98	80 - 120	101	80 - 120	<0.040	ug/L				
9915137	Dissolved Silver (Ag)	2025/04/17	99	80 - 120	101	80 - 120	<0.0050	ug/L				
9915137	Dissolved Strontium (Sr)	2025/04/17	100	80 - 120	103	80 - 120	<0.050	ug/L				
9915137	Dissolved Thallium (Tl)	2025/04/17	94	80 - 120	96	80 - 120	<0.0020	ug/L				
9915137	Dissolved Tin (Sn)	2025/04/17	97	80 - 120	99	80 - 120	<0.20	ug/L				
9915137	Dissolved Titanium (Ti)	2025/04/17	100	80 - 120	105	80 - 120	<0.50	ug/L				
9915137	Dissolved Uranium (U)	2025/04/17	99	80 - 120	101	80 - 120	<0.0020	ug/L				
9915137	Dissolved Vanadium (V)	2025/04/17	100	80 - 120	104	80 - 120	<0.20	ug/L				
9915137	Dissolved Zinc (Zn)	2025/04/17	101	80 - 120	105	80 - 120	<0.10	ug/L				
9915138	Dissolved Aluminum (Al)	2025/04/17	93	80 - 120	100	80 - 120	<0.50	ug/L				
9915138	Dissolved Antimony (Sb)	2025/04/17	NC	80 - 120	101	80 - 120	<0.020	ug/L				
9915138	Dissolved Arsenic (As)	2025/04/17	102	80 - 120	104	80 - 120	<0.020	ug/L				
9915138	Dissolved Barium (Ba)	2025/04/17	98	80 - 120	102	80 - 120	<0.020	ug/L				
9915138	Dissolved Beryllium (Be)	2025/04/17	92	80 - 120	96	80 - 120	<0.010	ug/L				
9915138	Dissolved Boron (B)	2025/04/17	89	80 - 120	95	80 - 120	<10	ug/L				
9915138	Dissolved Cadmium (Cd)	2025/04/17	99	80 - 120	104	80 - 120	<0.0050	ug/L				
9915138	Dissolved Chromium (Cr)	2025/04/17	95	80 - 120	105	80 - 120	<0.10	ug/L				
9915138	Dissolved Cobalt (Co)	2025/04/17	89	80 - 120	100	80 - 120	<0.0050	ug/L				
9915138	Dissolved Copper (Cu)	2025/04/17	26 (1)	80 - 120	103	80 - 120	<0.050	ug/L				
9915138	Dissolved Iron (Fe)	2025/04/17	97	80 - 120	103	80 - 120	<1.0	ug/L				
9915138	Dissolved Lead (Pb)	2025/04/17	92	80 - 120	99	80 - 120	<0.0050	ug/L				
9915138	Dissolved Lithium (Li)	2025/04/17	80	80 - 120	93	80 - 120	<0.50	ug/L				
9915138	Dissolved Manganese (Mn)	2025/04/17	90	80 - 120	105	80 - 120	<0.050	ug/L				
9915138	Dissolved Molybdenum (Mo)	2025/04/17	NC	80 - 120	105	80 - 120	<0.050	ug/L				
9915138	Dissolved Nickel (Ni)	2025/04/17	90	80 - 120	103	80 - 120	<0.020	ug/L				
9915138	Dissolved Selenium (Se)	2025/04/17	94	80 - 120	102	80 - 120	<0.040	ug/L				
9915138	Dissolved Silver (Ag)	2025/04/17	61 (1)	80 - 120	103	80 - 120	0.0059, RDL=0.0050 (2)	ug/L				
9915138	Dissolved Strontium (Sr)	2025/04/17	NC	80 - 120	102	80 - 120	<0.050	ug/L				

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9915138	Dissolved Thallium (Tl)	2025/04/17	92	80 - 120	99	80 - 120	<0.0020	ug/L				
9915138	Dissolved Tin (Sn)	2025/04/17	91	80 - 120	101	80 - 120	<0.20	ug/L				
9915138	Dissolved Titanium (Ti)	2025/04/17	101	80 - 120	105	80 - 120	<0.50	ug/L				
9915138	Dissolved Uranium (U)	2025/04/17	108	80 - 120	109	80 - 120	<0.0020	ug/L				
9915138	Dissolved Vanadium (V)	2025/04/17	99	80 - 120	105	80 - 120	<0.20	ug/L				
9915138	Dissolved Zinc (Zn)	2025/04/17	95	80 - 120	107	80 - 120	<0.10	ug/L				
9915139	Dissolved Aluminum (Al)	2025/04/17	103	80 - 120	103	80 - 120	<0.50	ug/L				
9915139	Dissolved Antimony (Sb)	2025/04/17	97	80 - 120	100	80 - 120	<0.020	ug/L				
9915139	Dissolved Arsenic (As)	2025/04/17	101	80 - 120	102	80 - 120	0.021, RDL=0.020 (2)	ug/L				
9915139	Dissolved Barium (Ba)	2025/04/17	99	80 - 120	101	80 - 120	<0.020	ug/L				
9915139	Dissolved Beryllium (Be)	2025/04/17	102	80 - 120	103	80 - 120	<0.010	ug/L				
9915139	Dissolved Boron (B)	2025/04/17	93	80 - 120	92	80 - 120	<10	ug/L				
9915139	Dissolved Cadmium (Cd)	2025/04/17	101	80 - 120	101	80 - 120	<0.0050	ug/L				
9915139	Dissolved Chromium (Cr)	2025/04/17	100	80 - 120	100	80 - 120	<0.10	ug/L				
9915139	Dissolved Cobalt (Co)	2025/04/17	98	80 - 120	98	80 - 120	<0.0050	ug/L				
9915139	Dissolved Copper (Cu)	2025/04/17	99	80 - 120	98	80 - 120	<0.050	ug/L				
9915139	Dissolved Iron (Fe)	2025/04/17	101	80 - 120	101	80 - 120	<1.0	ug/L				
9915139	Dissolved Lead (Pb)	2025/04/17	100	80 - 120	102	80 - 120	<0.0050	ug/L				
9915139	Dissolved Lithium (Li)	2025/04/17	99	80 - 120	101	80 - 120	<0.50	ug/L				
9915139	Dissolved Manganese (Mn)	2025/04/17	100	80 - 120	100	80 - 120	<0.050	ug/L				
9915139	Dissolved Molybdenum (Mo)	2025/04/17	102	80 - 120	106	80 - 120	<0.050	ug/L				
9915139	Dissolved Nickel (Ni)	2025/04/17	99	80 - 120	99	80 - 120	<0.020	ug/L				
9915139	Dissolved Selenium (Se)	2025/04/17	102	80 - 120	101	80 - 120	<0.040	ug/L				
9915139	Dissolved Silver (Ag)	2025/04/17	102	80 - 120	104	80 - 120	<0.0050	ug/L				
9915139	Dissolved Strontium (Sr)	2025/04/17	101	80 - 120	103	80 - 120	<0.050	ug/L				
9915139	Dissolved Thallium (Tl)	2025/04/17	95	80 - 120	97	80 - 120	<0.0020	ug/L				
9915139	Dissolved Tin (Sn)	2025/04/17	99	80 - 120	101	80 - 120	<0.20	ug/L				
9915139	Dissolved Titanium (Ti)	2025/04/17	102	80 - 120	101	80 - 120	<0.50	ug/L				
9915139	Dissolved Uranium (U)	2025/04/17	101	80 - 120	100	80 - 120	<0.0020	ug/L				
9915139	Dissolved Vanadium (V)	2025/04/17	101	80 - 120	100	80 - 120	<0.20	ug/L				
9915139	Dissolved Zinc (Zn)	2025/04/17	102	80 - 120	102	80 - 120	<0.10	ug/L				

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9915140	Total Aluminum (Al)	2025/04/22	100	80 - 120	100	80 - 120	<3.0	ug/L				
9915140	Total Antimony (Sb)	2025/04/22	100	80 - 120	102	80 - 120	<0.020	ug/L				
9915140	Total Arsenic (As)	2025/04/22	104	80 - 120	105	80 - 120	<0.020	ug/L				
9915140	Total Barium (Ba)	2025/04/22	101	80 - 120	102	80 - 120	<0.050	ug/L				
9915140	Total Beryllium (Be)	2025/04/22	103	80 - 120	100	80 - 120	<0.010	ug/L				
9915140	Total Boron (B)	2025/04/22	99	80 - 120	97	80 - 120	<10	ug/L				
9915140	Total Cadmium (Cd)	2025/04/22	103	80 - 120	103	80 - 120	<0.0050	ug/L				
9915140	Total Chromium (Cr)	2025/04/22	97	80 - 120	99	80 - 120	<0.10	ug/L				
9915140	Total Cobalt (Co)	2025/04/22	96	80 - 120	98	80 - 120	<0.010	ug/L				
9915140	Total Copper (Cu)	2025/04/22	95	80 - 120	98	80 - 120	<0.10	ug/L				
9915140	Total Iron (Fe)	2025/04/22	110	80 - 120	102	80 - 120	<5.0	ug/L				
9915140	Total Lead (Pb)	2025/04/22	98	80 - 120	100	80 - 120	<0.020	ug/L				
9915140	Total Lithium (Li)	2025/04/22	98	80 - 120	97	80 - 120	<0.50	ug/L				
9915140	Total Manganese (Mn)	2025/04/22	100	80 - 120	102	80 - 120	<0.10	ug/L				
9915140	Total Molybdenum (Mo)	2025/04/22	102	80 - 120	102	80 - 120	<0.050	ug/L				
9915140	Total Nickel (Ni)	2025/04/22	100	80 - 120	102	80 - 120	<0.10	ug/L				
9915140	Total Selenium (Se)	2025/04/22	112	80 - 120	104	80 - 120	<0.040	ug/L				
9915140	Total Silver (Ag)	2025/04/22	102	80 - 120	102	80 - 120	<0.010	ug/L				
9915140	Total Strontium (Sr)	2025/04/22	102	80 - 120	103	80 - 120	<0.050	ug/L				
9915140	Total Thallium (Tl)	2025/04/22	95	80 - 120	97	80 - 120	<0.0020	ug/L				
9915140	Total Tin (Sn)	2025/04/22	99	80 - 120	99	80 - 120	<0.20	ug/L				
9915140	Total Titanium (Ti)	2025/04/22	103	80 - 120	104	80 - 120	<2.0	ug/L				
9915140	Total Uranium (U)	2025/04/22	99	80 - 120	99	80 - 120	<0.0050	ug/L				
9915140	Total Vanadium (V)	2025/04/22	100	80 - 120	103	80 - 120	<0.20	ug/L				
9915140	Total Zinc (Zn)	2025/04/22	101	80 - 120	103	80 - 120	<1.0	ug/L				

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9915141	Dissolved Cadmium (Cd)	2025/04/23	100	80 - 120	102	80 - 120	<0.0050	ug/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) Method blank exceeds acceptance limits- 2X RDL acceptable for low level metals determination.

Bureau Veritas Job #: C540655
Report Date: 2025/04/23

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1504867
Sampler Initials: SK

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Louise Harding, Scientific Specialist

Mauro Oselin, Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

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Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

APPENDIX C METAL CONCENTRATION MODEL SUMMARIES

APPENDIX C: METAL CONCENTRATION MODEL SUMMARIES

Soil - Metal Concentration Models

Regression Models					
Metal	**Term**	**Estimate**	**Std. Error**	**Statistic**	**p**
Arsenic	Intercept (Downwind)	1.42	0.33	4.3	0.0216
	Distance to Project	0.2	0.37	0.53	0.5977
	Distance to Road	-0.96	0.38	-2.55	0.0217
	Upwind	0.9	0.82	1.1	0.2962
	Dist. Project * Dist. Road	-0.51	0.16	-3.28	0.0021
Barium	Intercept (Downwind)	4.32	0.12	36.02	<0.0001
	Distance to Project	0.16	0.18	0.9	0.375
	Distance to Road	-0.08	0.16	-0.52	0.6131
	Upwind	0.43	0.33	1.28	0.2347
	Dist. Project * Dist. Road	-0.09	0.09	-0.94	0.353
Cadmium	Intercept (Downwind)	0.5	0.06	8.21	<0.0001
	Distance to Project	0.07	0.09	0.76	0.4527
	Distance to Road	-0.16	0.08	-1.97	0.0698
	Upwind	0.04	0.17	0.22	0.8325
	Dist. Project * Dist. Road	0.05	0.05	1.11	0.2736
Cobalt	Intercept (Downwind)	1.38	0.21	6.68	0.0002
	Distance to Project	-0.07	0.24	-0.28	0.7835
	Distance to Road	0.35	0.24	1.45	0.1592
	Upwind	0.15	0.54	0.27	0.7899
	Dist. Project * Dist. Road	-0.13	0.11	-1.13	0.2638
Copper	Intercept (Downwind)	3.18	0.21	15.48	<0.0001
	Distance to Project	0.17	0.28	0.6	0.5533
	Distance to Road	0.19	0.26	0.71	0.4876
	Upwind	0.64	0.57	1.13	0.2882
	Dist. Project * Dist. Road	-0.26	0.14	-1.86	0.0687
Lead	Intercept (Downwind)	2.73	0.32	8.54	0.0003
	Distance to Project	-0.03	0.35	-0.08	0.9381
	Distance to Road	0.45	0.35	1.29	0.2083
	Upwind	-0.26	0.8	-0.33	0.7479
	Dist. Project * Dist. Road	-0.31	0.16	-1.96	0.0566
Nickel	Intercept (Downwind)	2.79	0.19	14.95	<0.0001
	Distance to Project	0.07	0.24	0.28	0.7766
	Distance to Road	0.39	0.24	1.63	0.1026
	Upwind	0.29	0.47	0.62	0.5376
	Dist. Project * Dist. Road	-0.27	0.12	-2.32	0.0205
Zinc	Intercept (Downwind)	3.03	0.22	13.88	<0.0001
	Distance to Project	-0.6	0.32	-1.88	0.0702
	Distance to Road	0.03	0.29	0.09	0.9291
	Upwind	-0.18	0.6	-0.29	0.7773
	Dist. Project * Dist. Road	0.26	0.16	1.57	0.1229

APPENDIX C: METAL CONCENTRATION MODEL SUMMARIES

Soil - Metal Concentration Models

Hurdle Models							
Metal	**Hurdle Stage**	**Estimate Type**	**Term**	**Estimate**	**Std. Error**	**Statistic**	**p**
Boron	Binomial	Log-Odds	Intercept (Downwind)	-0.27	0.43	-0.64	0.5205
	Binomial	Log-Odds	Distance to Project	-0.16	0.64	-0.25	0.8023
	Binomial	Log-Odds	Distance to Road	-0.73	0.72	-1.01	0.313
	Binomial	Log-Odds	Upwind	0.96	1.19	0.81	0.4181
	Binomial	Log-Odds	Dist. Project * Dist. Road	-2.51	1.48	-1.69	0.0904
	Non-Zero Trend	Log concentration	Intercept (Downwind)	1.96	0.06	30.87	<0.0001
	Non-Zero Trend	Log concentration	Distance to Project	-0.24	0.1	-2.28	0.0517
	Non-Zero Trend	Log concentration	Distance to Road	0.32	0.12	2.77	0.0163
	Non-Zero Trend	Log concentration	Upwind	0.09	0.14	0.61	0.5778
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	0.37	0.24	1.54	0.141
Chromium	Binomial	Log-Odds	Intercept (Downwind)	2.77	0.78	3.54	0.0004
	Binomial	Log-Odds	Distance to Project	1.07	1.22	0.88	0.3805
	Binomial	Log-Odds	Distance to Road	0.2	0.85	0.24	0.8099
	Binomial	Log-Odds	Upwind	-0.06	1.61	-0.04	0.9706
	Binomial	Log-Odds	Dist. Project * Dist. Road	-0.72	0.55	-1.31	0.1888
	Non-Zero Trend	Log concentration	Intercept (Downwind)	1.75	0.27	6.56	0.0002
	Non-Zero Trend	Log concentration	Distance to Project	0.3	0.27	1.11	0.2723
	Non-Zero Trend	Log concentration	Distance to Road	0.24	0.27	0.91	0.3689
	Non-Zero Trend	Log concentration	Upwind	0.19	0.62	0.3	0.7646
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	-0.16	0.13	-1.22	0.2302
Molybdenum	Binomial	Log-Odds	Intercept (Downwind)	1.56	0.5	3.12	0.0018
	Binomial	Log-Odds	Distance to Project	-0.28	0.64	-0.43	0.6638
	Binomial	Log-Odds	Distance to Road	1.03	0.68	1.52	0.1289
	Binomial	Log-Odds	Upwind	0.44	1.69	0.26	0.7939
	Binomial	Log-Odds	Dist. Project * Dist. Road	-0.66	0.35	-1.89	0.0581
	Non-Zero Trend	Log concentration	Intercept (Downwind)	0.38	0.19	1.97	0.057
	Non-Zero Trend	Log concentration	Distance to Project	-0.12	0.28	-0.44	0.6606
	Non-Zero Trend	Log concentration	Distance to Road	0.13	0.27	0.5	0.618
	Non-Zero Trend	Log concentration	Upwind	-0.1	0.51	-0.2	0.8449
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	-0.16	0.18	-0.85	0.3997
Selenium	Binomial	Log-Odds	Intercept (Downwind)	0.41	0.37	1.1	0.2696
	Binomial	Log-Odds	Distance to Project	0.37	0.56	0.65	0.5134
	Binomial	Log-Odds	Distance to Road	-0.86	0.51	-1.68	0.0935
	Binomial	Log-Odds	Upwind	1.67	1.17	1.43	0.1542
	Binomial	Log-Odds	Dist. Project * Dist. Road	-0.18	0.32	-0.55	0.5825
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-0.3	0.08	-3.56	0.0055
	Non-Zero Trend	Log concentration	Distance to Project	0.19	0.12	1.54	0.1357
	Non-Zero Trend	Log concentration	Distance to Road	-0.08	0.1	-0.8	0.436
	Non-Zero Trend	Log concentration	Upwind	0.39	0.19	2.02	0.0601
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	-0.12	0.08	-1.4	0.173

APPENDIX C: METAL CONCENTRATION MODEL SUMMARIES

Leaves - Metal Concentration Models

Regression Models					
Metal	**Term**	**Estimate**	**Std. Error**	**Statistic**	**p**
Arsenic	Intercept (Downwind)	-0.36	0.22	-1.61	0.157
	Distance to Project	-0.43	0.19	-2.32	0.0245
	Distance to Road	-0.39	0.19	-2.04	0.0476
	Upwind	0.79	0.46	1.71	0.0975
	Dist. Project * Dist. Road	-0.32	0.08	-4.21	0.0001
Barium	Intercept (Downwind)	-0.36	0.22	-1.61	0.157
	Distance to Project	-0.43	0.19	-2.32	0.0245
	Distance to Road	-0.39	0.19	-2.04	0.0476
	Upwind	0.79	0.46	1.71	0.0975
	Dist. Project * Dist. Road	-0.32	0.08	-4.21	0.0001
Boron	Intercept (Downwind)	-0.36	0.22	-1.61	0.157
	Distance to Project	-0.43	0.19	-2.32	0.0245
	Distance to Road	-0.39	0.19	-2.04	0.0476
	Upwind	0.79	0.46	1.71	0.0975
	Dist. Project * Dist. Road	-0.32	0.08	-4.21	0.0001
Cadmium	Intercept (Downwind)	0.05	0.01	4.32	0.0048
	Distance to Project	0	0.02	-0.27	0.7895
	Distance to Road	-0.03	0.02	-1.7	0.1138
	Upwind	0.06	0.03	1.93	0.0899
	Dist. Project * Dist. Road	0.01	0.01	1.39	0.1706
Cobalt	Intercept (Downwind)	-3.17	0.1	-31.47	<0.0001
	Distance to Project	-0.01	0.17	-0.05	0.9607
	Distance to Road	-0.02	0.12	-0.14	0.8912
	Upwind	0.14	0.27	0.53	0.597
	Dist. Project * Dist. Road	0.01	0.08	0.13	0.8934
Copper	Intercept (Downwind)	0.57	0.06	9.59	<0.0001
	Distance to Project	0.04	0.07	0.6	0.5456
	Distance to Road	-0.04	0.07	-0.62	0.5344
	Upwind	0.28	0.17	1.7	0.0884
	Dist. Project * Dist. Road	-0.04	0.03	-1.27	0.2026
Nickel	Intercept (Downwind)	-0.69	0.13	-5.47	<0.0001
	Distance to Project	0.16	0.15	1.13	0.2591
	Distance to Road	0.11	0.14	0.82	0.4098
	Upwind	-0.22	0.34	-0.64	0.5212
	Dist. Project * Dist. Road	-0.14	0.06	-2.22	0.0268
Zinc	Intercept (Downwind)	2.88	0.09	31.31	<0.0001
	Distance to Project	-0.15	0.11	-1.34	0.1887
	Distance to Road	0.02	0.11	0.15	0.8827
	Upwind	-0.02	0.25	-0.1	0.9235
	Dist. Project * Dist. Road	0.05	0.05	1	0.3219

APPENDIX C: METAL CONCENTRATION MODEL SUMMARIES

Leaves - Metal Concentration Models

Hurdle Models							
Metal	**Hurdle Stage**	**Estimate Type**	**Term**	**Estimate**	**Std. Error**	**Statistic**	**p**
Lead	Binomial	Log-Odds	Intercept (Downwind)	1.07	0.41	2.6	0.0093
	Binomial	Log-Odds	Distance to Project	-0.47	0.62	-0.77	0.4442
	Binomial	Log-Odds	Distance to Road	-0.79	0.6	-1.32	0.1873
	Binomial	Log-Odds	Upwind	2.86	2.32	1.23	0.2176
	Binomial	Log-Odds	Dist. Project * Dist. Road	-0.21	0.43	-0.5	0.617
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-2.68	0.21	-13.01	<0.0001
	Non-Zero Trend	Log concentration	Distance to Project	-0.3	0.28	-1.08	0.2988
	Non-Zero Trend	Log concentration	Distance to Road	-0.08	0.23	-0.34	0.7498
	Non-Zero Trend	Log concentration	Upwind	0.61	0.48	1.28	0.233
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	0.18	0.36	0.52	0.61
Molybdenum	Binomial	Log-Odds	Intercept (Downwind)	-0.64	0.38	-1.68	0.0923
	Binomial	Log-Odds	Distance to Project	-0.6	0.6	-0.99	0.3208
	Binomial	Log-Odds	Distance to Road	0.48	0.5	0.96	0.3372
	Binomial	Log-Odds	Upwind	-2.78	1.7	-1.63	0.1027
	Binomial	Log-Odds	Dist. Project * Dist. Road	0.5	0.35	1.42	0.1545
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-2.05	0.27	-7.49	<0.0001
	Non-Zero Trend	Log concentration	Distance to Project	-0.4	0.39	-1.03	0.3197
	Non-Zero Trend	Log concentration	Distance to Road	-0.12	0.38	-0.31	0.7636
	Non-Zero Trend	Log concentration	Upwind	0.93	1.28	0.72	0.4798
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	0.15	0.21	0.69	0.5008

APPENDIX C: METAL CONCENTRATION MODEL SUMMARIES

Berries - Metal Contration Models

Regression Models					
Metal	**Term**	**Estimate**	**Std. Error**	**Statistic**	**p**
Barium	Intercept (Downwind)	0.97	0.11	8.85	<0.0001
	Distance to Project	0.07	0.16	0.44	0.6657
	Distance to Road	-0.08	0.13	-0.57	0.5702
	Upwind	0.52	0.33	1.57	0.1236
	Dist. Project * Dist. Road	-0.02	0.09	-0.24	0.8107
Boron	Intercept (Downwind)	0.25	0.09	2.92	0.0035
	Distance to Project	0.05	0.1	0.51	0.6069
	Distance to Road	-0.09	0.09	-1.05	0.294
	Upwind	0.09	0.23	0.38	0.7045
	Dist. Project * Dist. Road	-0.03	0.05	-0.64	0.5225
Nickel	Intercept (Downwind)	-1.76	0.08	-22.09	<0.0001
	Distance to Project	-0.1	0.12	-0.88	0.379
	Distance to Road	0.02	0.09	0.18	0.855
	Upwind	0.01	0.23	0.05	0.9592
	Dist. Project * Dist. Road	0.09	0.06	1.39	0.1639
Zinc	Intercept (Downwind)	-1.76	0.08	-22.09	<0.0001
	Distance to Project	-0.1	0.12	-0.88	0.379
	Distance to Road	0.02	0.09	0.18	0.855
	Upwind	0.01	0.23	0.05	0.9592
	Dist. Project * Dist. Road	0.09	0.06	1.39	0.1639

APPENDIX C: METAL CONCENTRATION MODEL SUMMARIES

Berries - Metal Contration Models

Hurdle Models							
Metal	**Hurdle Stage**	**Estimate Type**	**Term**	**Estimate**	**Std. Error**	**Statistic**	**p**
Arsenic	Binomial	Log-Odds	Intercept (Downwind)	-1.25	0.65	-1.92	0.0548
	Binomial	Log-Odds	Distance to Project	-0.93	1.06	-0.88	0.3775
	Binomial	Log-Odds	Distance to Road	-1.44	1.16	-1.24	0.2143
	Binomial	Log-Odds	Upwind	0.65	1.31	0.5	0.6184
	Binomial	Log-Odds	Dist. Project * Dist. Road	-1.95	2.27	-0.86	0.3902
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-1.23	0.4	-3.08	0.0116
	Non-Zero Trend	Log concentration	Distance to Project	0.68	0.72	0.95	0.3642
	Non-Zero Trend	Log concentration	Distance to Road	1.31	0.71	1.85	0.0946
	Non-Zero Trend	Log concentration	Upwind	-0.3	0.59	-0.51	0.6226
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	2.8	1.51	1.86	0.0923
Cadmium	Binomial	Log-Odds	Intercept (Downwind)	-0.2	0.4	-0.5	0.6192
	Binomial	Log-Odds	Distance to Project	0.02	0.6	0.03	0.9777
	Binomial	Log-Odds	Distance to Road	-0.91	0.53	-1.74	0.082
	Binomial	Log-Odds	Upwind	0.47	1.2	0.39	0.6947
	Binomial	Log-Odds	Dist. Project * Dist. Road	0.02	0.39	0.05	0.9603
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-3.88	0.29	-13.15	<0.0001
	Non-Zero Trend	Log concentration	Distance to Project	0.36	0.27	1.34	0.1958
	Non-Zero Trend	Log concentration	Distance to Road	-0.51	0.27	-1.92	0.0736
	Non-Zero Trend	Log concentration	Upwind	0.81	0.62	1.3	0.2099
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	-0.12	0.42	-0.29	0.774
Cobalt	Binomial	Log-Odds	Intercept (Downwind)	-0.04	0.44	-0.09	0.9306
	Binomial	Log-Odds	Distance to Project	-1.01	0.69	-1.46	0.1453
	Binomial	Log-Odds	Distance to Road	0.75	0.55	1.37	0.172
	Binomial	Log-Odds	Upwind	-1.2	1.23	-0.97	0.3296
	Binomial	Log-Odds	Dist. Project * Dist. Road	1.25	0.94	1.33	0.1839
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-4.73	0.13	-37.41	<0.0001
	Non-Zero Trend	Log concentration	Distance to Project	-0.17	0.2	-0.88	0.3894
	Non-Zero Trend	Log concentration	Distance to Road	0.08	0.14	0.55	0.5859
	Non-Zero Trend	Log concentration	Upwind	0.55	0.39	1.41	0.1739
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	0.09	0.1	0.94	0.3574
Copper	Binomial	Log-Odds	Intercept (Downwind)	1.27	0.52	2.45	0.0143
	Binomial	Log-Odds	Distance to Mine Site	1.54	0.9	1.71	0.087
	Binomial	Log-Odds	Distance to AWAR	-0.46	0.51	-0.91	0.3622
	Binomial	Log-Odds	Upwind	1.15	1.33	0.87	0.386
	Binomial	Log-Odds	)ist. Mine Site * Dist. AWA	-0.59	0.42	-1.41	0.1577
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-0.34	0.06	-5.51	0.0031
	Non-Zero Trend	Log concentration	Distance to Mine Site	0.06	0.08	0.79	0.4467
	Non-Zero Trend	Log concentration	Distance to AWAR	-0.05	0.08	-0.69	0.5177
	Non-Zero Trend	Log concentration	Upwind	0.36	0.18	2	0.0784
	Non-Zero Trend	Log concentration	)ist. Mine Site * Dist. AWA	0	0.05	0.01	0.989

APPENDIX C: METAL CONCENTRATION MODEL SUMMARIES

Lichen - Metal Concentration Model

Regression Models					
Metal	**Term**	**Estimate**	**Std. Error**	**Statistic**	**p**
Arsenic	Intercept (Downwind)	1.87	0.26	7.23	0.0002
	Distance to Project	-0.57	0.23	-2.48	0.0166
	Distance to Road	-0.57	0.23	-2.45	0.0186
	Upwind	0.68	0.56	1.22	0.2337
	Dist. Project * Dist. Road	0.05	0.1	0.5	0.6218
Barium	Intercept (Downwind)	2.14	0.21	9.96	<0.0001
	Distance to Project	-0.09	0.22	-0.41	0.6853
	Distance to Road	0.13	0.22	0.59	0.5602
	Upwind	0.32	0.51	0.62	0.5386
	Dist. Project * Dist. Road	-0.16	0.09	-1.74	0.0884
Cadmium	Intercept (Downwind)	-2.68	0.12	-22.84	<0.0001
	Distance to Project	-0.2	0.12	-1.75	0.0808
	Distance to Road	0	0.12	0.02	0.9839
	Upwind	0.29	0.28	1.04	0.2992
	Dist. Project * Dist. Road	0.03	0.05	0.66	0.5068
Cobalt	Intercept (Downwind)	-1.84	0.14	-13.12	<0.0001
	Distance to Project	-0.36	0.16	-2.29	0.022
	Distance to Road	-0.22	0.15	-1.48	0.1385
	Upwind	-0.09	0.36	-0.25	0.8053
	Dist. Project * Dist. Road	0.06	0.08	0.78	0.4375
Copper	Intercept (Downwind)	1.45	0.18	8.22	0.0001
	Distance to Project	0.14	0.18	0.76	0.4536
	Distance to Road	-0.38	0.17	-2.16	0.0379
	Upwind	0.33	0.41	0.8	0.4322
	Dist. Project * Dist. Road	-0.06	0.08	-0.81	0.4212
Lead	Intercept (Downwind)	0.33	0.21	1.54	0.1724
	Distance to Project	-0.41	0.19	-2.23	0.0307
	Distance to Road	-0.51	0.19	-2.74	0.009
	Upwind	0.13	0.45	0.28	0.7813
	Dist. Project * Dist. Road	0.07	0.08	0.96	0.3438
Nickel	Intercept (Downwind)	0.59	0.13	4.61	0.0023
	Distance to Project	-0.17	0.13	-1.36	0.1804
	Distance to Road	-0.21	0.13	-1.64	0.1095
	Upwind	0.01	0.3	0.02	0.9835
	Dist. Project * Dist. Road	0.11	0.05	1.96	0.0567
Selenium	Intercept (Downwind)	0.59	0.13	4.61	0.0023
	Distance to Project	-0.17	0.13	-1.36	0.1804
	Distance to Road	-0.21	0.13	-1.64	0.1095
	Upwind	0.01	0.3	0.02	0.9835
	Dist. Project * Dist. Road	0.11	0.05	1.96	0.0567
Zinc	Intercept (Downwind)	2.8	0.13	20.87	<0.0001
	Distance to Project	-0.13	0.13	-0.95	0.3451
	Distance to Road	0.16	0.13	1.17	0.2477
	Upwind	-0.12	0.31	-0.38	0.7096
	Dist. Project * Dist. Road	-0.11	0.06	-1.97	0.0546

APPENDIX C: METAL CONCENTRATION MODEL SUMMARIES

Lichen - Metal Concentration Model

Hurdle Models							
Metal	**Hurdle Stage**	**Estimate Type**	**Term**	**Estimate**	**Std. Error**	**Statistic**	**p**
Boron	Binomial	Log-Odds	Intercept (Downwind)	1	0.44	2.26	0.0236
	Binomial	Log-Odds	Distance to Project	-1.17	0.66	-1.76	0.0782
	Binomial	Log-Odds	Distance to Road	0.67	0.6	1.11	0.2672
	Binomial	Log-Odds	Upwind	-0.49	1.34	-0.37	0.7143
	Binomial	Log-Odds	Dist. Project * Dist. Road	-0.36	0.44	-0.82	0.4095
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-0.27	0.08	-3.37	0.0144
	Non-Zero Trend	Log concentration	Distance to Project	0.15	0.1	1.62	0.1163
	Non-Zero Trend	Log concentration	Distance to Road	0	0.08	0.04	0.9675
	Non-Zero Trend	Log concentration	Upwind	0.21	0.19	1.1	0.2914
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	0.11	0.13	0.87	0.3892
Chromium	Binomial	Log-Odds	Intercept (Downwind)	1.71	0.48	3.54	0.0004
	Binomial	Log-Odds	Distance to Project	-0.9	0.65	-1.38	0.1661
	Binomial	Log-Odds	Distance to Road	-0.62	0.67	-0.92	0.3557
	Binomial	Log-Odds	Upwind	-0.36	1.27	-0.28	0.7771
	Binomial	Log-Odds	Dist. Project * Dist. Road	0.21	0.35	0.6	0.5471
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-0.46	0.23	-2.01	0.0811
	Non-Zero Trend	Log concentration	Distance to Project	-0.09	0.2	-0.47	0.6422
	Non-Zero Trend	Log concentration	Distance to Road	-0.46	0.18	-2.57	0.0141
	Non-Zero Trend	Log concentration	Upwind	0.34	0.44	0.78	0.4436
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	0.14	0.11	1.28	0.2091
Molybdenum	Binomial	Log-Odds	Intercept (Downwind)	1.11	0.54	2.05	0.0404
	Binomial	Log-Odds	Distance to Project	-1.86	0.82	-2.28	0.0227
	Binomial	Log-Odds	Distance to Road	0.91	0.69	1.32	0.1879
	Binomial	Log-Odds	Upwind	2.93	5.58	0.53	0.5992
	Binomial	Log-Odds	Dist. Project * Dist. Road	-0.78	0.85	-0.92	0.3558
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-2.18	0.16	-13.33	<0.0001
	Non-Zero Trend	Log concentration	Distance to Project	-0.08	0.21	-0.38	0.705
	Non-Zero Trend	Log concentration	Distance to Road	-0.11	0.16	-0.67	0.5076
	Non-Zero Trend	Log concentration	Upwind	0.19	0.36	0.53	0.607
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	0.61	0.27	2.23	0.0333

APPENDIX C: METAL CONCENTRATION MODEL SUMMARIES

Snow - Metal Concentration Model

Regression Models					
Metal	**Term**	**Estimate**	**Std. Error**	**Statistic**	**p**
Arsenic	Intercept (Downwind)	2.44	0.38	6.46	<0.0001
	Distance to Project	-0.02	0.27	-0.09	0.9301
	Distance to Road	-1.6	0.26	-6.07	<0.0001
	Upwind	0.57	0.67	0.85	0.3953
	Dist. Project * Dist. Road	0.1	0.13	0.79	0.4284
Barium	Intercept (Downwind)	0.4	0.23	1.76	0.0777
	Distance to Project	-0.22	0.19	-1.12	0.2614
	Distance to Road	-0.71	0.17	-4.15	<0.0001
	Upwind	-0.3	0.47	-0.63	0.5294
	Dist. Project * Dist. Road	0.18	0.08	2.14	0.0322
Chromium	Intercept (Downwind)	-0.4	0.23	-1.72	0.0847
	Distance to Project	-0.42	0.2	-2.14	0.0324
	Distance to Road	-0.55	0.17	-3.26	0.0011
	Upwind	-0.31	0.48	-0.65	0.5159
	Dist. Project * Dist. Road	0.24	0.09	2.79	0.0053
Cobalt	Intercept (Downwind)	-2.4	0.33	-7.16	0.0004
	Distance to Project	-0.35	0.25	-1.38	0.1728
	Distance to Road	-0.9	0.23	-3.95	0.0003
	Upwind	-0.42	0.66	-0.63	0.5347
	Dist. Project * Dist. Road	0.26	0.11	2.37	0.0222
Copper	Intercept (Downwind)	-0.67	0.28	-2.36	0.0575
	Distance to Project	-0.18	0.21	-0.87	0.3883
	Distance to Road	-0.53	0.19	-2.82	0.007
	Upwind	-0.2	0.55	-0.37	0.7152
	Dist. Project * Dist. Road	0.19	0.09	2.09	0.043
Lead	Intercept (Downwind)	0.29	0.28	1.05	0.296
	Distance to Project	-0.08	0.22	-0.36	0.7209
	Distance to Road	-1.16	0.21	-5.59	<0.0001
	Upwind	0.05	0.54	0.08	0.9331
	Dist. Project * Dist. Road	0.13	0.1	1.29	0.1959
Nickel	Intercept (Downwind)	-1.13	0.29	-3.92	0.0073
	Distance to Project	-0.61	0.3	-2.04	0.0481
	Distance to Road	-0.8	0.26	-3.04	0.0044
	Upwind	-0.43	0.71	-0.61	0.5502
	Dist. Project * Dist. Road	0.21	0.14	1.5	0.1396
Zinc	Intercept (Downwind)	1.19	0.16	7.2	0.0003
	Distance to Project	-0.26	0.12	-2.12	0.0389
	Distance to Road	-0.14	0.11	-1.24	0.2202
	Upwind	-0.26	0.32	-0.82	0.4206
	Dist. Project * Dist. Road	0.12	0.05	2.31	0.0255

APPENDIX C: METAL CONCENTRATION MODEL SUMMARIES

Snow - Metal Concentration Model

Hurdle Models							
Metal	**Hurdle Stage**	**Estimate Type**	**Term**	**Estimate**	**Std. Error**	**Statistic**	**p**
Cadmium	Binomial	Log-Odds	Intercept (Downwind)	-0.53	0.53	-1.01	0.3137
	Binomial	Log-Odds	Distance to Project	0.84	0.67	1.24	0.2141
	Binomial	Log-Odds	Distance to Road	-2.85	1	-2.84	0.0045
	Binomial	Log-Odds	Upwind	1.41	1.33	1.06	0.29
	Binomial	Log-Odds	Dist. Project * Dist. Road	-1.78	1.84	-0.97	0.3333
	Non-Zero Trend	Log concentration	Intercept (Downwind)	-4.48	0.3	-15.2	<0.0001
	Non-Zero Trend	Log concentration	Distance to Project	-0.72	0.24	-2.99	0.0078
	Non-Zero Trend	Log concentration	Distance to Road	0.4	0.56	0.7	0.4958
	Non-Zero Trend	Log concentration	Upwind	-1.06	0.54	-1.96	0.0662
	Non-Zero Trend	Log concentration	Dist. Project * Dist. Road	0.07	1	0.07	0.946

APPENDIX D METALS WITH SIGNIFICANT RELATIONSHIPS BETWEEN CONCENTRATION AND DISTANCE FROM THE MINE AND ROAD

APPENDIX D: METALS WITH SIGNIFICANT RELATIONSHIPS BETWEEN CONCENTRATION AND DISTANCE FROM THE MINE AND ROAD

TABLE D-1 EFFECTS OF DISTANCE FROM THE PROJECT AND THE AWAR ON MEAN METAL CONCENTRATIONS IN SOIL SAMPLES

Metal	Model Type	Distance to Project Effect	Distance to Road Effect	Project x Road Effect	Interpretation
Arsenic	Log-normal regression model	Not significant	Decreasing	Decreasing	The concentration was higher near the road and decreased with distance. The rate of decrease was higher as distance increases from the project and the road.
Boron	Hurdle model: Binomial detection probability	Not significant	Not significant	Not significant	No significant relationship between concentration and distance from either the project or the road.
	Hurdle model: Log-normal concentration in non-zero samples	Not significant	Increasing	Not significant	Concentration of non-zero samples was lower near the road and increased with distance.
Nickel	Gamma regression model	Not significant	Not significant	Decreasing	No significant relationship between concentration and distance from either the project or the road individually. The concentration significantly decreased as distance from both the project and the road increased.
Zinc	Log-normal regression model	Not significant	Not significant	Decreasing	No significant relationship between concentration and distance from either the project or the road individually. The concentration significantly decreased as distance from both the project and the road increased.

TABLE D-2 EFFECTS OF DISTANCE FROM THE PROJECT AND THE AWAR ON MEAN METAL CONCENTRATIONS IN LEAF SAMPLES

Metal	Model Type	Distance to Project Effect	Distance to Road Effect	Project x Road Effect	Interpretation
Arsenic	Log-normal regression model	Decreasing	Decreasing	Decreasing	The concentration was higher near the Mine Site and the road and decreased with distance. The rate of decrease was higher as distance increased from the project and the road.
Barium	Log-normal regression model	Not significant	Not significant	Decreasing	No significant relationship between concentration and distance from either the project or the road individually. The concentration significantly decreased as distance from both the project and the road increased.
Nickel	Gamma regression model	Not significant	Not significant	Decreasing	No significant relationship between concentration and distance from either the project or the road individually. The concentration significantly decreased as distance from both the project and the road increased.

TABLE D-3 EFFECTS OF DISTANCE FROM THE PROJECT AND THE AWAR ON MEAN METAL CONCENTRATIONS IN BERRY SAMPLES

Metal	Model Type	Distance to Project Effect	Distance to Road Effect	Project x Road Effect	Interpretation
No significant effects observed in berry samples.					

TABLE D-4 EFFECTS OF DISTANCE FROM THE PROJECT AND THE AWAR ON MEAN METAL CONCENTRATIONS IN LICHEN SAMPLES

Metal	Model Type	Distance to Project Effect	Distance to Road Effect	Project x Road Effect	Interpretation
Arsenic	Log-normal regression model	Decreasing	Decreasing	Not significant	The concentration was higher near the project and the road and decreased with distance.
Chromium	Hurdle model: Binomial detection probability	Not significant	Not significant	Not significant	No significant relationship between concentration and distance from either the project or the road.
	Hurdle model: Log-normal concentration in non-zero samples	Not significant	Decreasing	Not significant	The concentration of non-zero samples was higher near the road and decreased with distance.
Cobalt	Gamma regression model	Decreasing	Not significant	Not significant	Concentration was higher near the project and decreased with distance.
Copper	Untransformed linear regression model	Not significant	Decreasing	Not significant	Concentration was higher near the road and decreased with distance.
Lead	Log-normal regression model	Decreasing	Decreasing	Not significant	The concentration was higher near the project and road and decreased with distance.
Molybdenum	Hurdle model: Binomial detection probability	Decreasing	Not significant	Not significant	The probability of detectable concentrations decreased with distance from the project.
	Hurdle model: Log-normal concentration in non-zero samples	Not significant	Not significant	Increasing	The concentration of non-zero samples increased as distance from the project and the road increased.

TABLE D-5 EFFECTS OF DISTANCE FROM THE PROJECT AND THE AWAR ON MEAN METAL CONCENTRATIONS IN SNOW SAMPLES

Metal	Model Type	Distance to Project Effect	Distance to Road Effect	Project x Road Effect	Interpretation
Arsenic	Gamma regression model	Not significant	Decreasing	Not significant	Concentration was higher near the road and decreased with distance.
Barium	Gamma regression model	Not significant	Decreasing	Increasing	Concentration was higher near the road and decreased with distance. The rate the concentration decreased flattened as distance from both the project and the road increased.
Cadmium	Hurdle model: Binomial detection probability	Not significant	Decreasing	Not significant	The probability of detectable concentrations was higher near the road and decreased with distance.
	Hurdle model: Log-normal concentration in non-zero samples	Decreasing	Not significant	Not significant	Concentration of non-zero samples was higher near the project.
Chromium	Gamma regression model	Decreasing	Decreasing	Increasing	Concentration was higher near the project and near the road and decreased with distance. The rate that the concentration decreased flattened with distance from the project and the road.
Cobalt	Log-normal regression model	Not significant	Decreasing	Increasing	Concentration was higher near the road and decreased with distance. The rate that the concentration decreased flattened with distance from the project and road.
Copper	Log-normal regression model	Not significant	Decreasing	Increasing	Concentration was higher near the road and decreased with distance. The rate that the concentration decreased flattened with distance from the project and road.
Lead	Gamma regression model	Not significant	Decreasing	Not significant	Concentration was higher near the road and decreases with distance.
Nickel	Log-normal regression model	Decreasing	Decreasing	Not significant	Concentration was higher near the project and near the road and decreased with distance.
Zinc	Log-normal regression model	Not significant	Not significant	Increasing	The rate that the concentration decreased flattened with distance from the project and road.



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APPENDIX B

Invasive Plant Species Monitoring Report, 2025

PREPARED FOR

AGNICO EAGLE

Meliadine Mine

Annual Non-Native and Invasive Plant Species Monitoring Report 2025

DATE
March 2026

REFERENCE
0777443



SIGNATURE PAGE

Meliadine Mine

Annual Non-Native and Invasive Plant Species Monitoring Report 2025

March 2026



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1. INTRODUCTION

Between 22 July and 5 August 2025, ERM Consultants Canada Ltd. (ERM) completed the annual non-native and invasive plant species surveys at the Agnico Eagle Mines Limited (Agnico Eagle) Meliadine Mine (Mine Site) and associated infrastructure. The surveys were completed to meet requirements set by Nunavut Impact Review Board (NIRB) Term and Condition No. 37 of the NIRB Project Certificate (No. 006). This memorandum provides an overview of the surveys and their results.

2. OBJECTIVES

The objectives of the 2025 surveys were to identify non-native and invasive plant species, and document their abundance, distribution, density, and life stage / phenology, to inform invasive plant species management and support regulatory compliance.

Specifically, NIRB Term and Condition No. 37 of the Project Certificate requires that the Proponent shall do the following:

- "Incorporate protocols for monitoring for the potential introduction of invasive vegetation species (e.g., surveys of plant populations in previously disturbed areas) into its Terrestrial Environment and Monitoring Plan. Any introductions of non-indigenous plant species must be promptly reported to the Government of Nunavut Department of Environment."
- "Provide a summary discussion of its implementation of this term and condition, including any updates to the Plan, to the NIRB through the Proponent's annual monitoring report."

3. METHODS

The non-native and invasive plant surveys were completed from 22 July to 5 August 2025, concurrently with the metals monitoring sampling program. The survey area consisted of the Mine Site, All-weather Access Road (AWAR), active and inactive borrow pits, Itivia shipping area, and Pump Road (the survey area). Infrastructure, as well as disturbed and surrounding areas, were targeted for non-native invasive plant species surveys.

A grid-based method was used for comprehensive coverage across the survey area, which consisted of infrastructure survey cells and road survey cells. The survey area contained all historically surveyed sites in accordance with the Terrestrial Environment Management and Monitoring Plan (TEMMP). Infrastructure and disturbed areas were surveyed using 50-metre (m) by 50 m grid cell sampling units, while elongated 250 m by 30 m grid cell sampling units were used along roads for rapid roadside surveys (Figures 3-1 and 3-2). Within the 50 m by 50 m grid cell sampling units, ERM field staff walked an "S"-shaped search pattern to allow for good survey coverage, with the search pattern adjusted based on site features or visibility (e.g., buildings or areas of compacted gravel free of vegetation). Rapid roadside surveys were completed within 10 m from either side of the road edge, using 250 m sampling units. These roadside surveys were conducted from a vehicle travelling at approximately 5 kilometres per hour, with one crew member driving while the other surveyor, in the passenger seat, was scanning the roadside for non-native and invasive plant species.

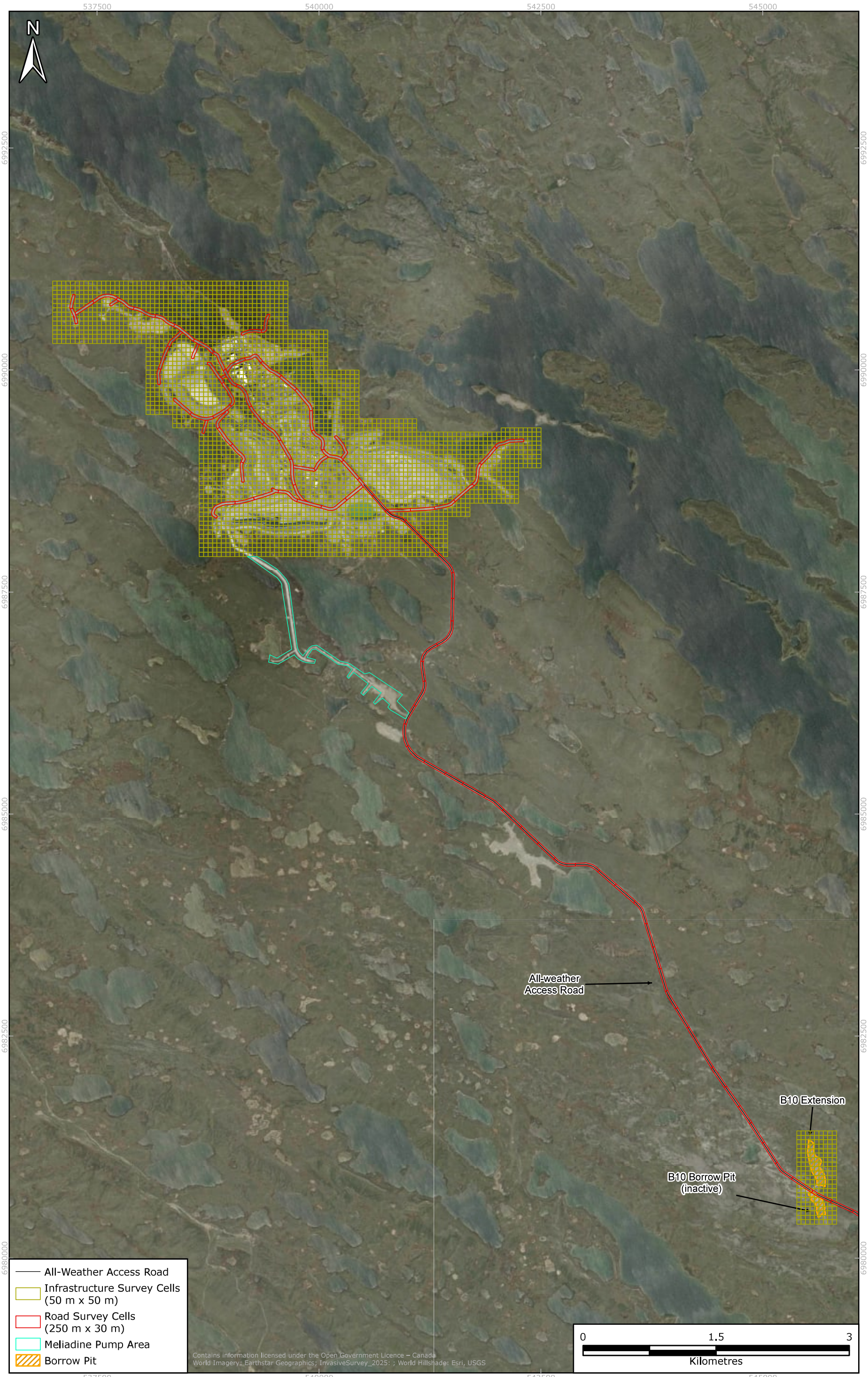
The surveys targeted plant species with the potential to be invasive in Nunavut, as per the *Non-Native & Invasive Species in Nunavut* list (Government of Nunavut 2022). Nunavut does not currently maintain a conservation data centre, nor does it have an invasive plant council to track exotic or invasive plant species. Therefore, supplemental information from the neighbouring Northwest Territories (e.g., the Northwest Territories [NWT] Species Infobase [Government of NWT 2025]) and regional invasive plant databases was obtained to identify potentially invasive plant species. Species that could not confidently be identified as native in the field were sampled and identified back at the desk while onsite, or samples were pressed and sent to the National Herbarium of Canada at the Canadian Museum of Nature in Gatineau, Quebec.

The field data were collected using ArcGIS Field Maps for navigation and to track survey progress, in combination with ArcGIS Survey123 for efficient and standardized data collection. Since Nunavut has no invasive plant survey standards, the surveys were completed per the InvasivesBC Reference Guide (British Columbia [BC] Ministry of Forests 2023).

Survey123 invasive plant survey forms were designed to collect information on:

- Species and location;
- Abundance (percent cover) in a grid cell;
- Distribution in a grid cell;
- Density (plants per square metre) within patches;
- Life stage / phenology; and
- Additional details, such as date, notable features, and opportunistic management applied.

FIGURE 3-1 INVASIVE PLANT SPECIES SURVEY LOCATIONS



ERM

CLIENT: Agnico Eagle Mines Limited
GIS NUMBER: MEL-20-011-01

DATE: 11/14/2025

PROJECTION: NAD 1983 UTM Zone 15N
SCALE: 1:40,000 when printed at 11x17

FIGURE 3-2 INVASIVE PLANT SPECIES SURVEY LOCATIONS



ERM

CLIENT: Agnico Eagle Mines Limited
GIS NUMBER: MEL-20-011-02

DATE: 11/14/2025

PROJECTION: NAD 1983 UTM Zone 15N
SCALE: 1:50,000 when printed at 11x17

4. RESULTS

The results from the 2025 annual non-native and invasive plant species surveys are described in the following sections.

4.1 GRID-BASED SURVEY

A total of 2,835 infrastructure and road cells were surveyed (Figures 4.1-1 and 4.1-2). Seven cells within the survey area were inaccessible due to active construction, wires, or physical barriers. No established non-native or invasive plant species were identified during the 2025 grid-based surveys.

An unidentified grass species was observed in 2024. This grass species was resampled in 2025 when spikelets, a key defining characteristics, were present (Photo 4.1-1).

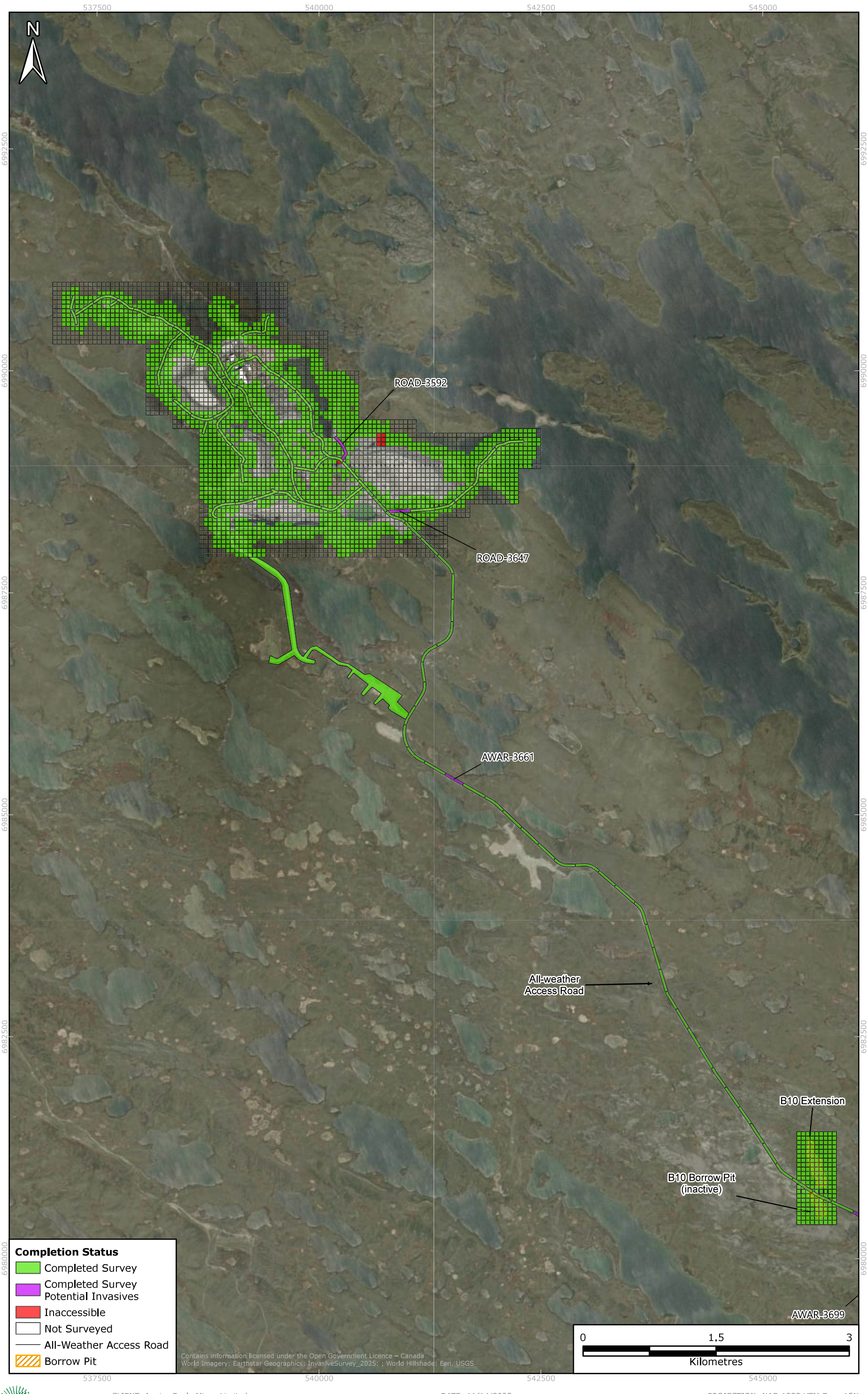
The National Herbarium of Canada identified pressed samples (Photo 4.1-2) as Nuttall's alkali grass (*Puccinellia nuttalliana* [Schult.] Hitchc.), a grass species native to Nunavut. Nuttall's alkali grass is known as an important natural invader of disturbed alkaline and saline areas (Tannas 2003).

4.2 STRAW LOGS

In eight areas along the AWAR and at the Mine Site, straw logs with an unknown grass species were observed with varied germination (Table 4.2-1; Figures 4.1-1 and 4.1-2). These straw logs were installed by Kilgour & Associates Ltd. in 2023 as erosion and sediment control measures (Kilgour & Associates Ltd. 2023). At the time of the 2025 survey, the grass that germinated on or around the straw logs was too young to confidently identify to a species (i.e., it did not have seed heads).

On 29 September 2025, field verification by Agnico Eagle confirmed that the unknown grass species at kilometre-14 on the AWAR did not produce seed. In the fall of 2025, Agnico Eagle removed the majority of straw logs that were observed during the survey (Table 4.2-1). When conditions permit, Agnico Eagle will continue to remove any remaining straw logs onsite for proactive invasive species management.

FIGURE 4.1-1 INVASIVE PLANT SPECIES SURVEY RESULTS



ERM

CLIENT: Agnico Eagle Mines Limited
GIS NUMBER: MEL-20-011-03

DATE: 11/14/2025

PROJECTION: NAD 1983 UTM Zone 15N
SCALE: 1:40,000 when printed at 11x17

FIGURE 4.1-2 INVASIVE PLANT SPECIES SURVEY RESULTS



ERM

CLIENT: Agnico Eagle Mines Limited
GIS NUMBER: MEL-20-011-04

DATE: 11/14/2025

PROJECTION: NAD 1983 UTM Zone 15N
SCALE: 1:50,000 when printed at 11x17



Photo 4.1-1 Nuttall's alkali grass (*Puccinellia nuttalliana)* at survey cell Road-3616 at the Mine Site, between the southeast portion of the tailings storage facility and the southwest portion of the camp facilities, 29 July 2025.

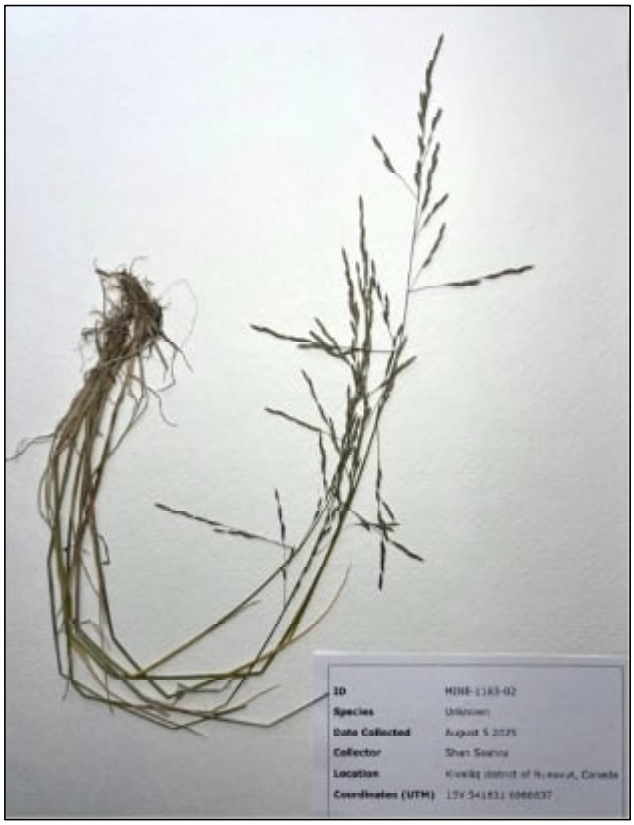


Photo 4.1-2 Pressed sample of Nuttall's alkali grass (*Puccinellia nuttalliana)* sent to the National Herbarium of Canada for identification.

TABLE 4.2-1 STRAW LOG LOCATIONS

Survey Grid ID	Survey Date	Approximate AWAR km	Straw Log Notes[a]
AWAR-3661	2025/7/28	25	Germinated
AWAR-3693	2025/7/28	20	Ungerminated
AWAR-3699	2025/7/28	19	Ungerminated
AWAR-3706	2025/7/28	15.5	Ungerminated
AWAR-4255	2025/7/28	6	Ungerminated
QB-4350	2025/7/28	N/A	Ungerminated
ROAD-3592	2025/7/29	N/A	Germinated
ROAD-3647	2025/7/28	N/A	Ungerminated and germinated straw logs

Notes:
AWAR = All-weather Access Road; km = kilometre; N/A = not applicable; QB = quarry or borrow pit
[a] Agnico Eagle confirmed that the germinated straw logs did not go to seed within the growing season on 29 September 2025.

5. SUMMARY

It is recommended that non-native and invasive plant surveys be completed from late July to early August. In 2025, this timing proved ideal for identifying most, if not all, species present in the survey area, including grasses with spikelets.

Consistent with 2023 and 2024, no established invasive species were detected at the Mine Site. As a result, no data were submitted to the Government of Nunavut Department of Environment in 2025.

6. REFERENCES

Government of NWT (Government of Northwest Territories). 2025. *Northwest Territories Species Infobase.* Database. Accessed November 2025. Retrieved from: https://www.gov.nt.ca/ecc/en/services/biodiversity/nwt-species-infobase.

Government of Nunavut. 2022. *Non-Native & Invasive Species in Nunavut.* With financial support of Environment Canada. Accessed November 2025. Retrieved from: https://www.gov.nu.ca/sites/default/files/publications/2022-01/invasive_poster_english_jan31-4.pdf.

Kilgour & Associates Ltd. 2023. *Invasive Introductions via Erosion and Sediment Controls which Contain Seed Material, and the Likelihood of Survival.* Technical memorandum prepared for Meliadine Environment, Agnico Eagle Mines Ltd. 16 September 2023.

Ministry of Forests. 2023. *InvasivesBC Reference Guide.* Version 2. June 2023. Invasive Plant Program, Ministry of Forests, Province of British Columbia. Accessed November 2025. Retrieved from: https://www2.gov.bc.ca/assets/gov/environment/plants-animals-and-ecosystems/invasive-species/invasivesbc-resources/invasivesbc_guidance_document.pdf.

Tannas, K. 2003. *Grass and Grass-like Species.* Vol. 1 of Common Plants of the Western Rangelands. Third Edition. July 2003. Edmonton, AB: Alberta Agriculture, Food, and Rural Development.

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APPENDIX C

Shipping Inspection Forms, 2025

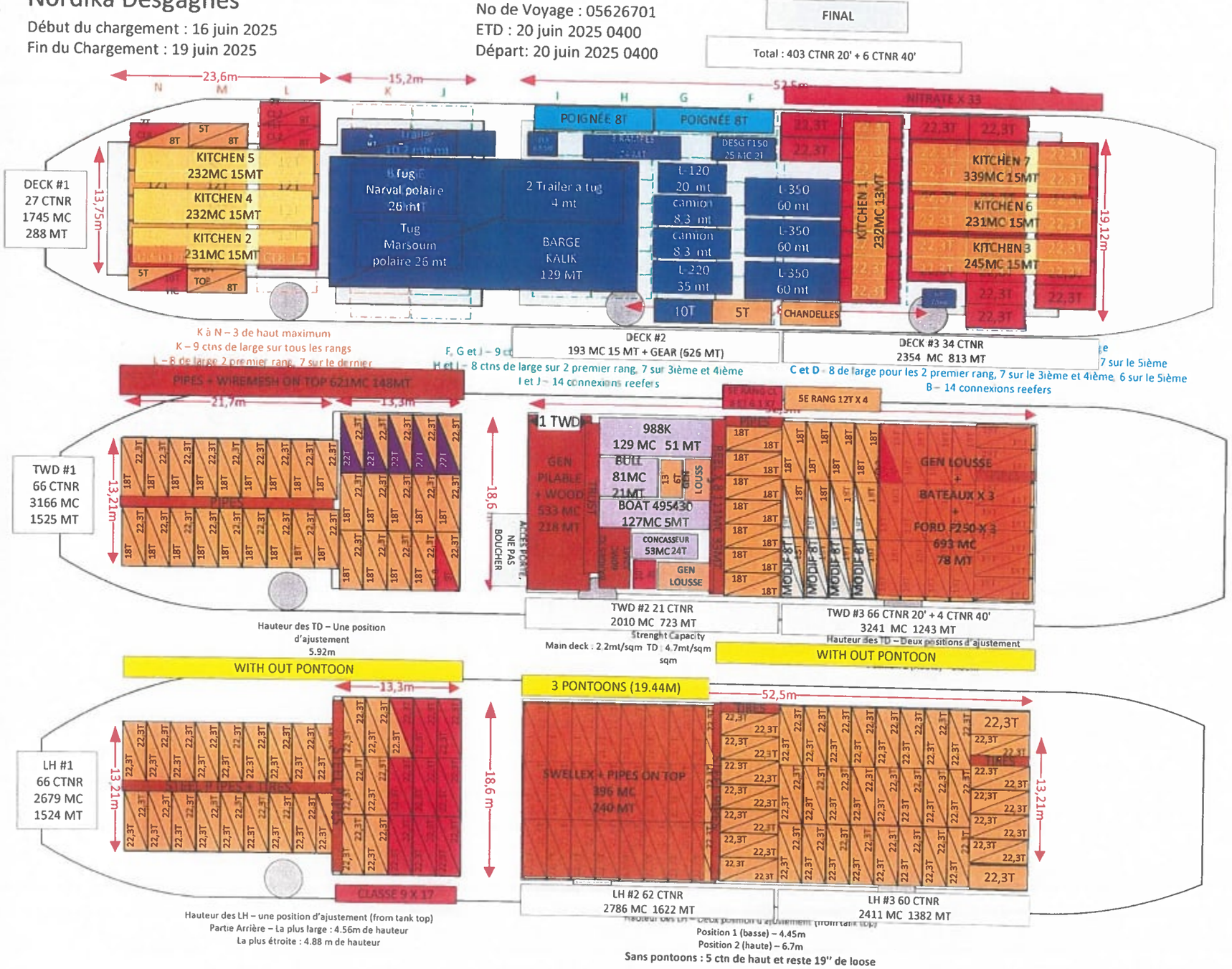
Nordika Desgagnés

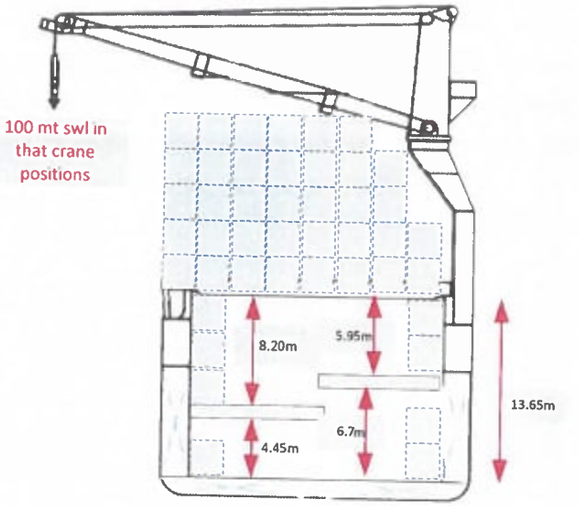
Début du chargement : 16 juin 2025
Fin du Chargement : 19 juin 2025

No de Voyage : 05626701
ETD : 20 juin 2025 0400
Départ: 20 juin 2025 0400

FINAL

Total : 403 CTNR 20' + 6 CTNR 40'





1. CTNR 20'
2. CTNR 40'
3. MODULES
4. MACHINERIES/VÉHICULES
5. GÉNÉRAL CARGO
6. DANGEREUX
7. GEAR DTI
8. FLT 20'
9.
10.
11.
12.
13.
14.
15.

VOLUME TOTAL: 20 585 MC
TONNAGE TOTAL: 9 133 MT
TONNAGE + GEAR: 9 753 MT

Préparé par : Charlotte Fafard.M

Approuvé par: 19/06/25

Capitaine :

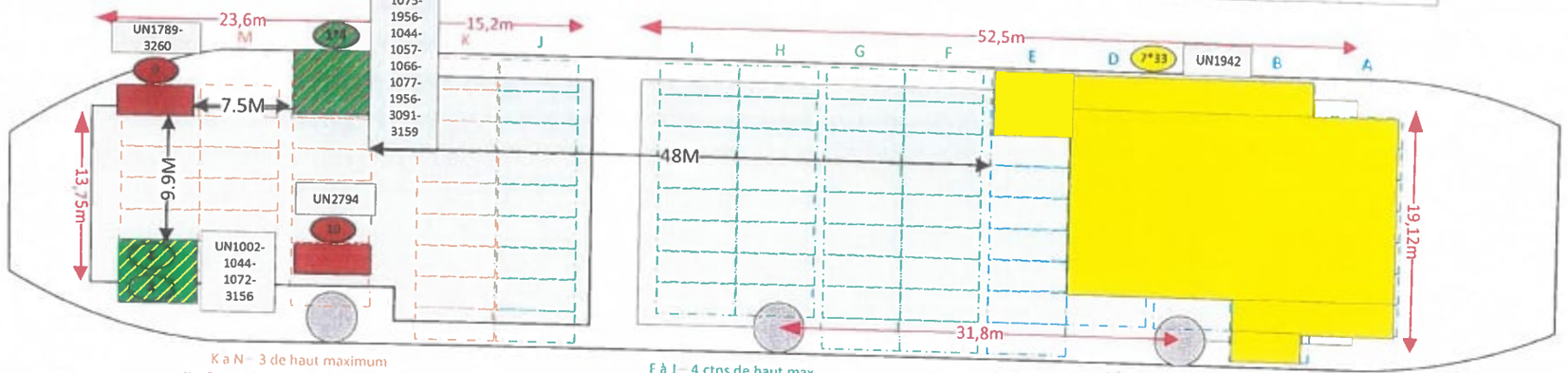
Date :

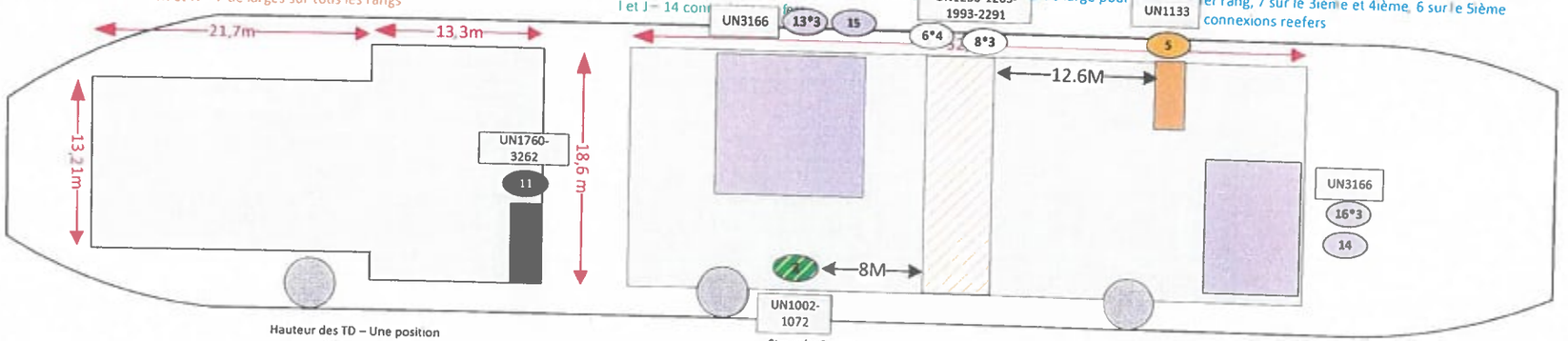
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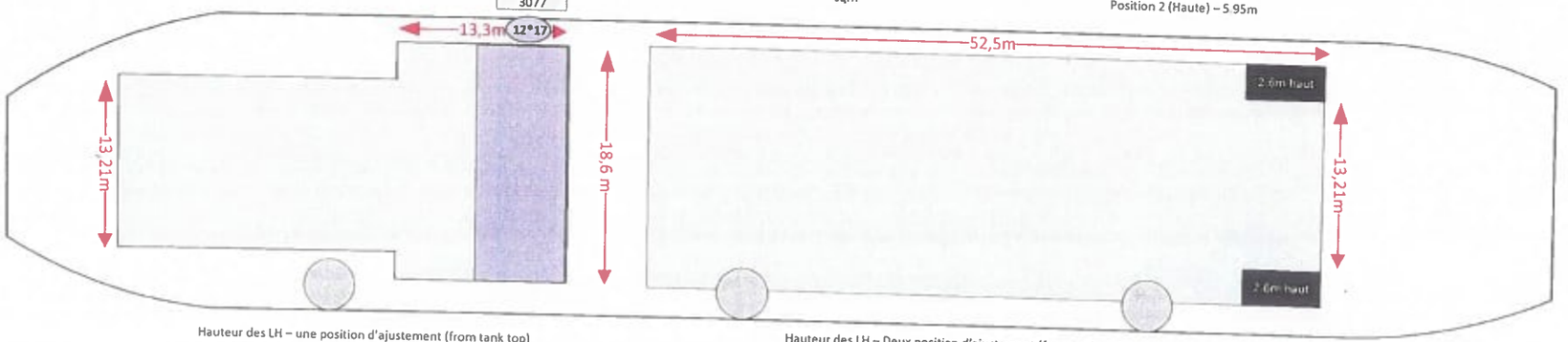
Début du chargement : 16 juin 2025
Fin du Chargement : 19 juin 2025

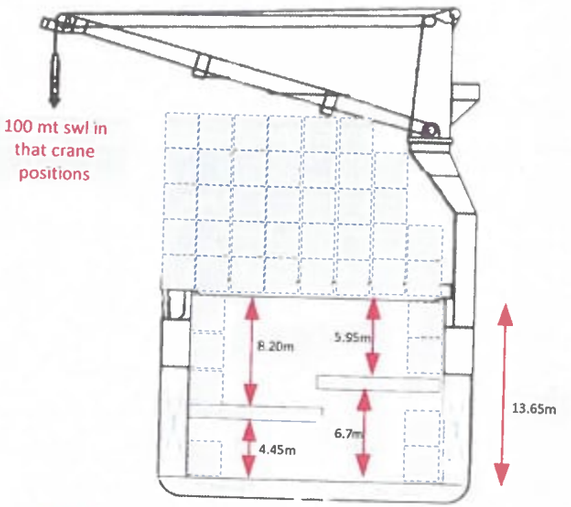
No de Voyage : 05626701
ETD : 20 juin 2025 0400
Départ:

Dangereux









1	CLASSE 1
2	CLASSE 2.1
3	CLASSE 2.2
4	CLASSE 3
5	CLASSE 4
6	CLASSE 5
7	CLASSE 6
8	CLASSE 8 ACIDE
9	CLASSE 8 AUTRES
10	
11	CLASSE 9
12	
13	
14	
15	

Tonnage total : 1 197 751 KG
*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Fafard M.

Approuvé par:

Capitaine :

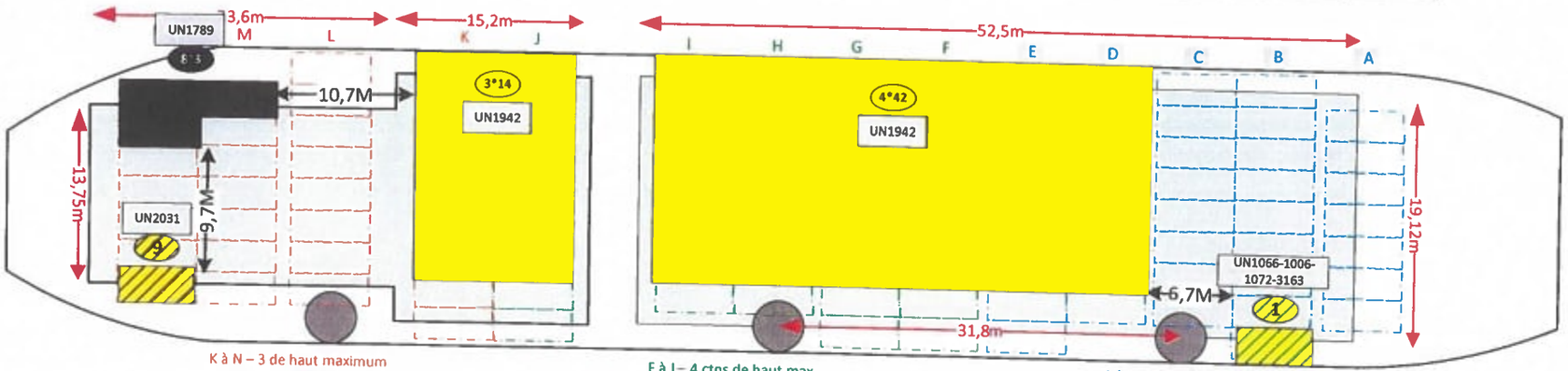
Date : 16/06/25

Marcellin A. Desgagnés

Début du chargement : 20 juin 2025
Fin du Chargement : 25 juin 2025

No de Voyage : 05626701
ETD : 26 juin 2025
Départ: 26 juin 2025

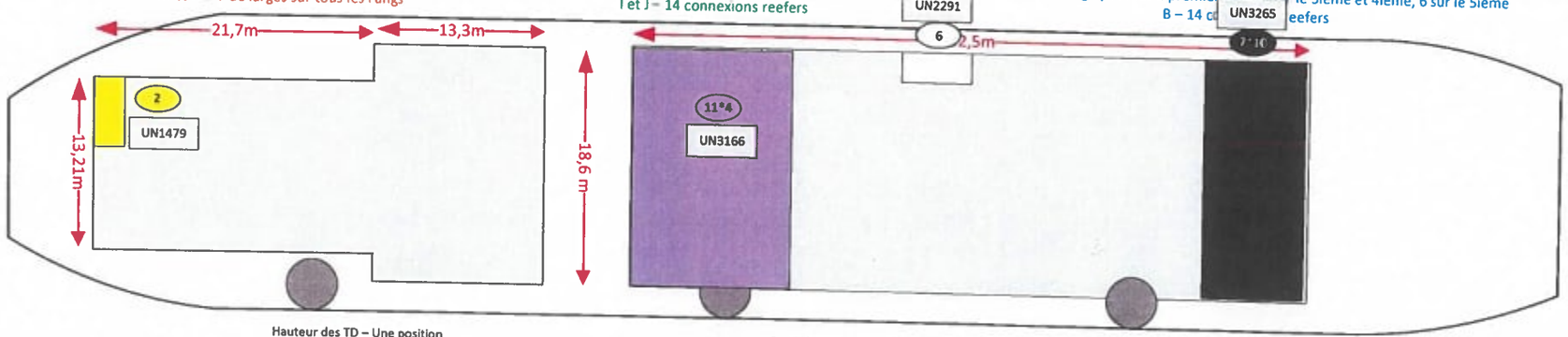
Dangereux



K à N – 3 de haut maximum
K – 9 ctns de large sur tous les rangs
L – 8 de large 2 premier rang, 7 sur le dernier
M et N – 7 de larges sur tous les rangs

F à J – 4 ctns de haut max
F, G et J – 9 ctns de large sur 3 premier rang, 8 sur le 4ième
H et I – 8 ctns de large sur 2 premier rang, 7 sur 3ième et 4ième
I et J – 14 connexions reefers

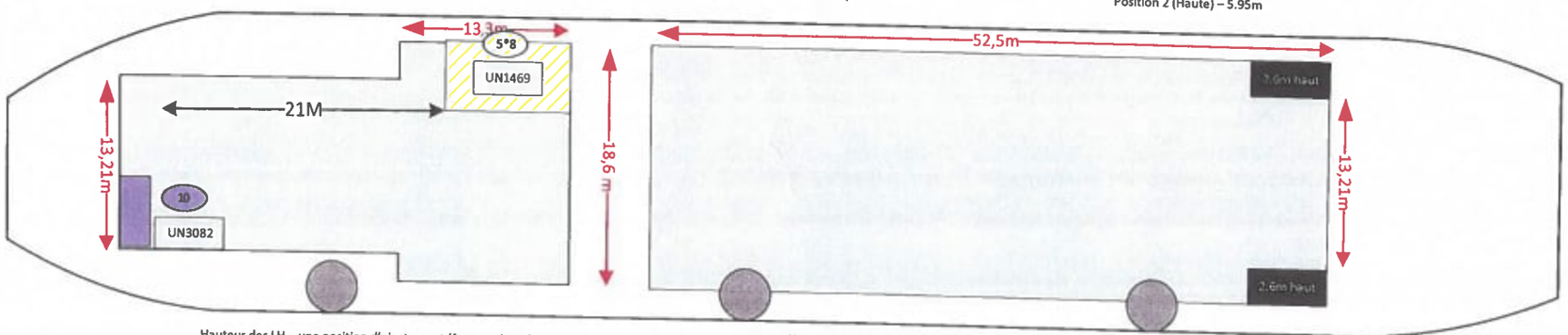
A à E – 5 ctns de haut max
B et E – 9 de large pour les 3 premier rang, 8 sur le 4ième et 7 sur le 5ième
C et D – 8 de large pour les 2 premier rang, 7 sur le 3ième et 4ième, 6 sur le 5ième
B – 14 connexions reefers
A - 7 de large



Hauteur des TD – Une position d'ajustement
5.92m

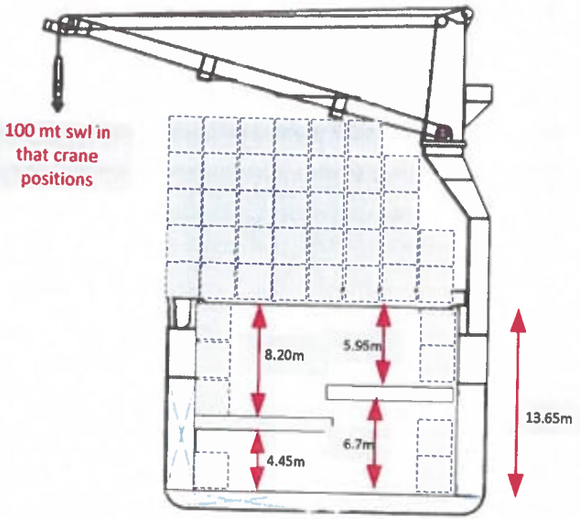
Strenght Capacity
Main deck : 2.2mt/sqm TD : 4.7mt/sqm Tanktop : 20.0mt/sqm

Hauteur des TD – Deux positions d'ajustement
Position 1 (basse) – 8.2m
Position 2 (Haute) – 5.95m



Hauteur des LH – une position d'ajustement (from tank top)
Partie Arrière – La plus large : 4.56m de hauteur
La plus étroite : 4.88 m de hauteur

Hauteur des LH – Deux position d'ajustement (from tank top)
Position 1 (basse) – 4.45m
Position 2 (haute) – 6.7m
Sans pontoons : 5 ctn de haut et reste 19'' de loose



1		CLASSE 1
2		CLASSE 2.1
3		CLASSE 2.2
4		CLASSE 3
5		CLASSE 4
6		CLASSE 5
7		CLASSE 6
8		CLASSE 8 ACIDE
9		CLASSE 8 AUTRES
10		
11		CLASSE 9
12		
13		
14		
15		

Tonnage total : 1 680 297 KG
*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Pafard.M

Approuvé par:

Capitaine :

Date : 26/06/25

CAPTAIN
VICTOR GOMEZ ULLOA
MM / SDPO

26/JUN 2025

QSL

331204
2025-06-21 00:00 - N/A
V250374

TOTAL QTY: 86	TOTAL VOLUME: 3766.2948 m³ (133005.4456 cu.ft.)	1889.351 MT (4165305.9552 lb)

Quantity: 86	Volume: 3766.2948 m³ (133005.4456 cu.ft.)	1889.351 MT (4165305.9552 lb)

Captain, First Officer / Mate or vessel authorized personnel: _____

QSL Canada inc. without prejudice: _____

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

2025-06-25 10:08

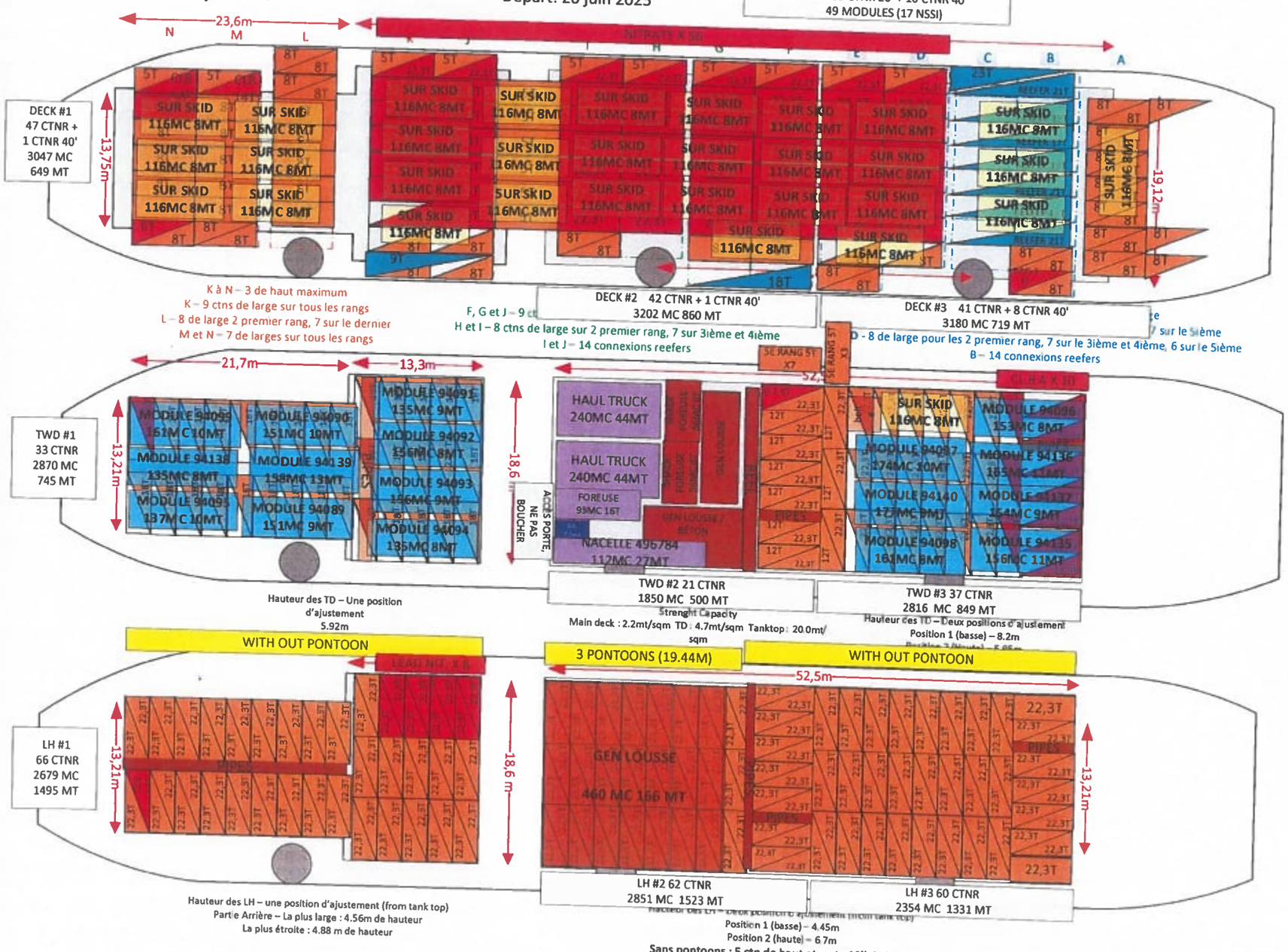
Marcellin A. Desgagnés

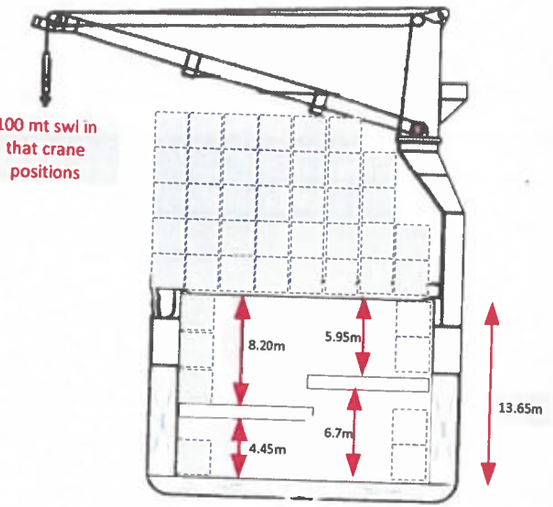
Début du chargement : 20 juin 2025
Fin du Chargement : 25 juin 2025

No de Voyage : 06126701
ETD : 26 juin 2025
Départ: 26 juin 2025

FINAL

Total : 409 CTNR 20' + 10 CTNR 40'
49 MODULES (17 NSSI)





1. CTNR 20'
2. CTNR 40'
3. MODULES
4. MACHINERIES/VÉHICULES
5. GÉNÉRAL CARGO
6. DANGEREUX
7. GEAR DTI
8. FLT 20'
9.
10. NSSI : 2 614 MC
11.
12.
13.
14.
15.

VOLUME TOTAL: 24 849 MC
TONNAGE TOTAL: 8 617 MT

Préparé par : Charlotte Favard.M

Approuvé par:

Capitaine :

Date :

25/06/25

CAPTAIN
VICTOR GOMEZ ULLOA
MM / SDPO

25 JUN 2025

QSL

331204
2025-06-21 00:00 - N/A
V250374

Port	Section
Port of Becancour	Becancour

Pro Forma HATCH LIST SUMMARY

MARCELLIN ADESGAGNES

Port of Discharge	Shipper	C/O	Consignee	Notify
RANKIN INLET, NUNAVUT	DESGAGNÉS TRANSARCTIK INC. N/A	N/A	DESGAGNÉS TRANSARCTIK INC. N/A	N/A

DESGAGNES RANKIN INLET

Location in vessel	Qty	Weight	Volume
HatchTwinDeck 3	7	65.427 MT (144241.8443 lb)	1140.4796 m³ (40275.657 cu.ft.)
HatchTwinDeck 1	10	93.875 MT (206958.9486 lb)	1472.6348 m³ (52005.6072 cu.ft.)
SUBTOTAL QTY: 17	SUBTOTAL VOLUME: 2613.1144 m³ (92281.2641 cu.ft.)	159.302 MT (351200.7929 lb)	
TOTAL QTY: 17	TOTAL VOLUME: 2613.1144 m³ (92281.2641 cu.ft.)	159.302 MT (351200.7929 lb)	

Quantity: 761 | Volume: 24849.3438 m³ (877546.2938 cu.ft.) | 8617.221 MT (18997720.3541 lb)

Captain, First Officer / Mate or vessel authorized personnel: CAPTAIN VICTOR GOMEZ ULLOA MM / SDPD

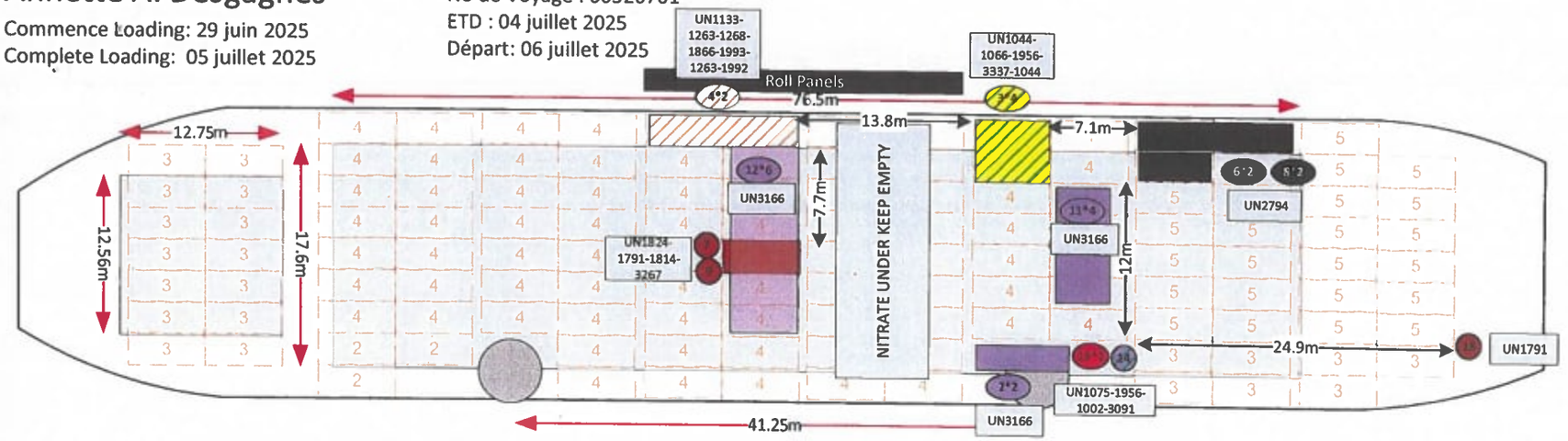
QSL Canada inc. without prejudice:

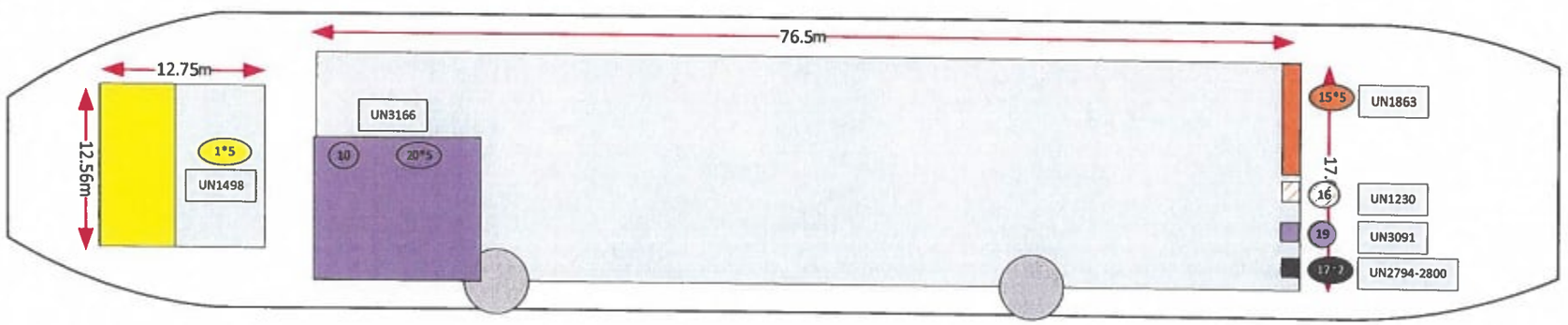
QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

Annette A. Desgagnés

Commence Loading: 29 juin 2025
Complete Loading: 05 juillet 2025

No de Voyage : 06326701
ETD : 04 juillet 2025
Départ: 06 juillet 2025





Hauteur totale du top tank au panneau de cale 11.7m



Pas d'ajustement dans la 1
LH : 5.0m (peux pas mettre deux conteneur de haut
TD : 5.4m

Hfo tank sur toute la hauteur du LH sur ajustement 1
Hauteur de l'ajustement
Position 1 LH : 5.5m TD 5.4m

1		CLASSE 1
2		CLASSE 2.1
3		CLASSE 2.2
4		CLASSE 3
5		CLASSE 4
6		CLASSE 5
7		CLASSE 6
8		CLASSE 8 ACIDE
9		CLASSE 8 AUTRES
10		
11		CLASSE 9
12		
13		
14		
15		

Tonnage total : 2 222 594 KG
*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Fafard-Morrissette

Approuvé par : DESGAGNÉS 9/06/25

Capitaine :

Date : 06/07/25

IMO : 9736212

Annette A. Desgagnés

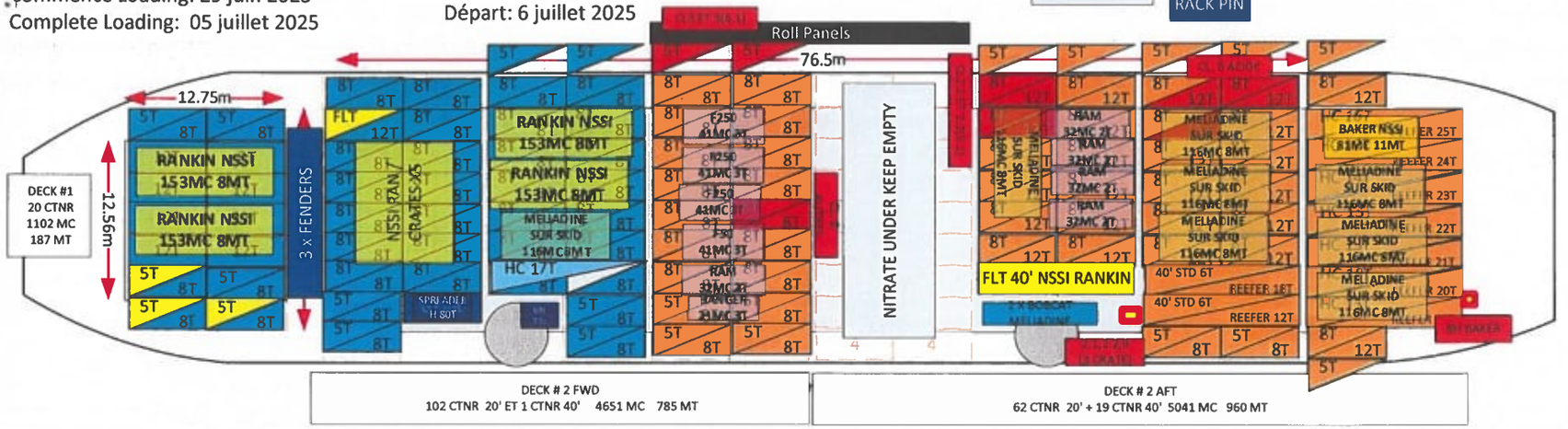
Commence Loading: 29 juin 2025
Complete Loading: 05 juillet 2025

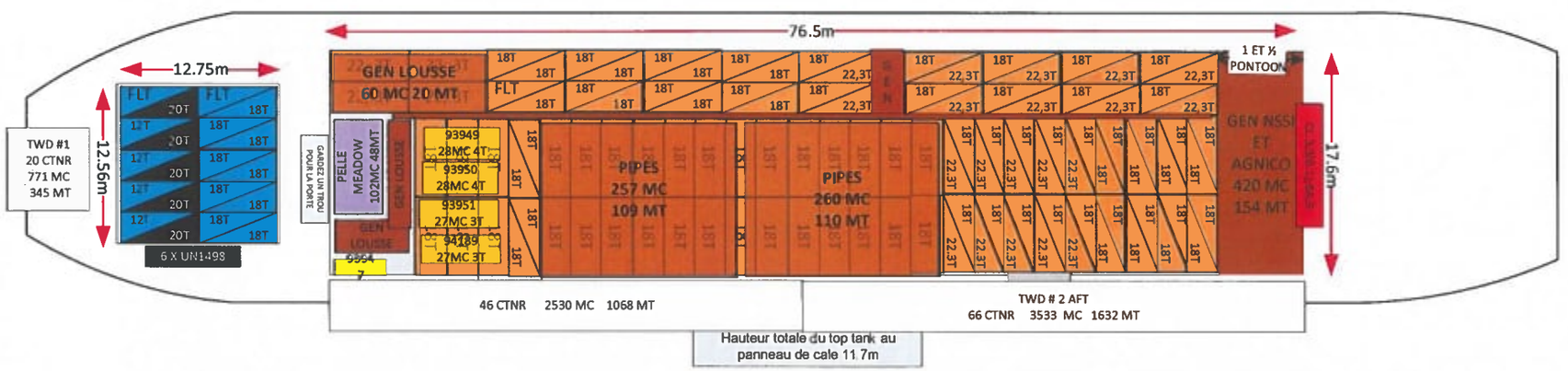
No de Voyage : 06326701
ETD : 04 juillet 2025
Départ: 6 juillet 2025

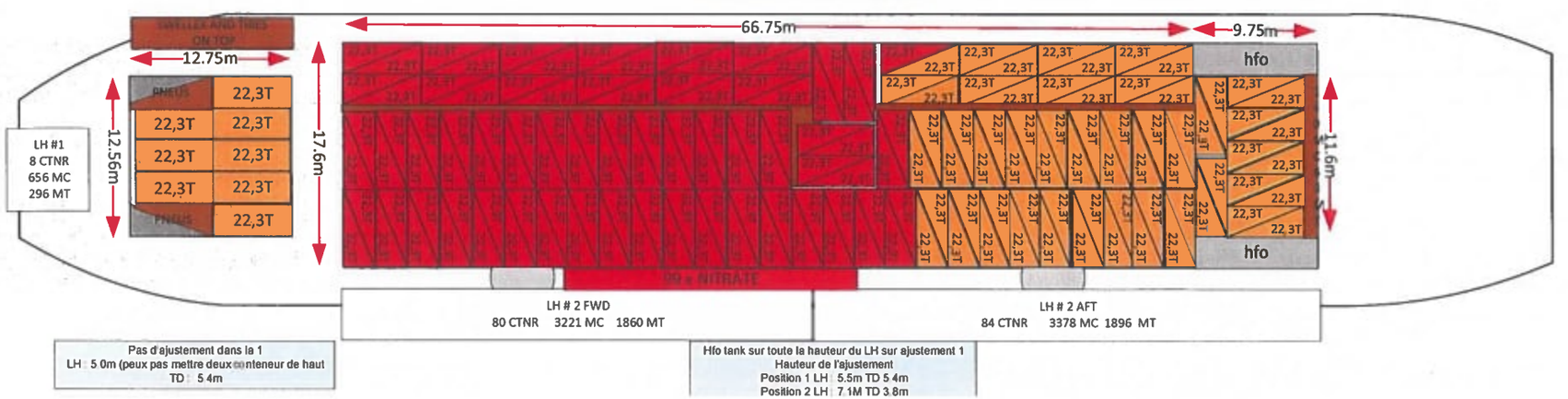
FINAL

Total
488 CTNR 20'
20 CTNR 40'

RACK PIN







1 CTNR MEADOWBANK
2 CTNR MELIADINE
3 MODULES AGNICO
4 MACHINERIES/VÉHICULES
5 GÉNÉRAL CARGO MEADOWBANK
6 DANGEREUX MEADOWBANK
7 GEAR DTI
8 DANGEREUX MELIADINE
9
10
11
12
13 NSSI: RAN 853MC / BAK 476 MC
14
15

VOLUME MÉLIADINE: 4 898 MC
VOLUME MEADOW: 18 656 MC
VOLUME TOTAL: 24 882 MC
TONNAGE TOTAL: 9 028 MT

Préparé par : Charlotte Gérard-Morrissette

Approuvé par:

ANNETTE A DESGAGNES
IMO # 9736212
MASTER

Capitaine :

Date : 06/07/2025

QSL

332480
2025-06-28 00:00 - N/A
V250377

DESGAGNES BAKER LAKE - CLASS 9

Product	Identifier	Dimensions	Qty	Volume	Weight	Location	HAZ MAT
Vehicles - Self-Propelled (Passenger) PICK UP-NO ASSISTANCE	Bc: 93949, Desc: FORD F150 VIN10995 WHITE 2024, PO: 25-00282-1-BAK	589 cm x 243 cm x 196 cm	1	28.0529 m³	3.5 MT	HatchTwinDeck2	Class 9/3166/P.G. III

20

SUBTOTAL QTY: 6 | SUBTOTAL VOLUME: 122.2878 m³ (4318.5529 cu.ft.) | 16.727 MT (36876.7226 lb)

TOTAL QTY: 18 | TOTAL VOLUME: 141.0981 m³ (4982.8324 cu.ft.) | 23.977 MT (52860.2366 lb)

Quantity: 147 | Volume: 5099.7609 m³ (180096.3565 cu.ft.) | 2535.6 MT (5590041.12 lb)

Captain, First Officer / Mate or vessel authorized personnel:

QSL Canada inc. without prejudice:

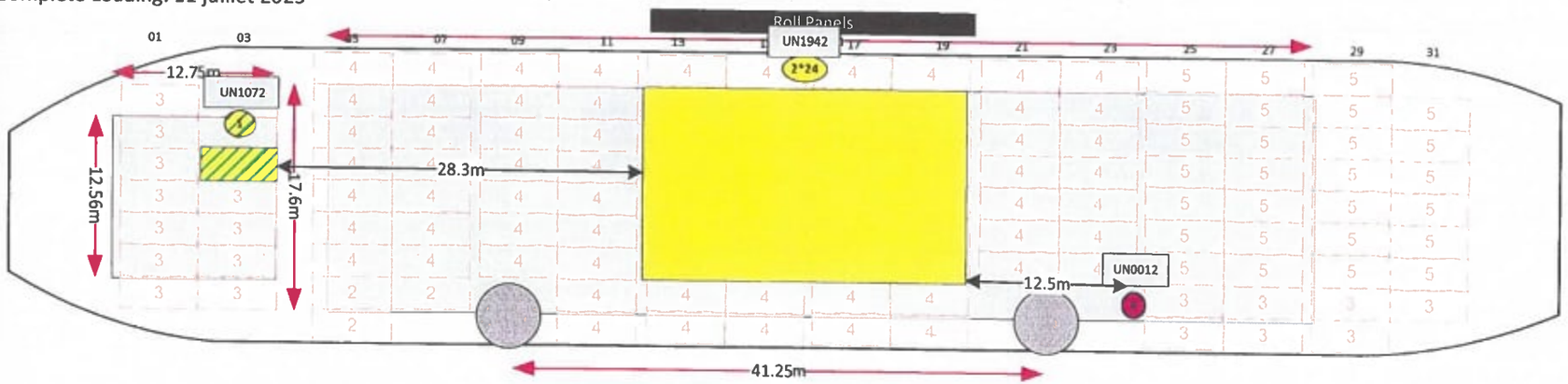
ANNETTE A.DES[illegible]NES
IMO # 97[illegible]
MASTI

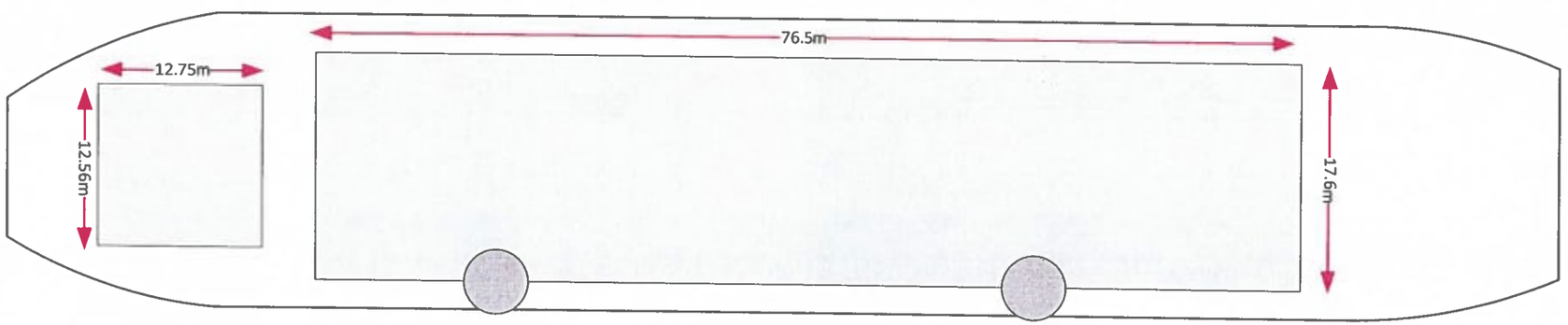
QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

Miena Desgagnés

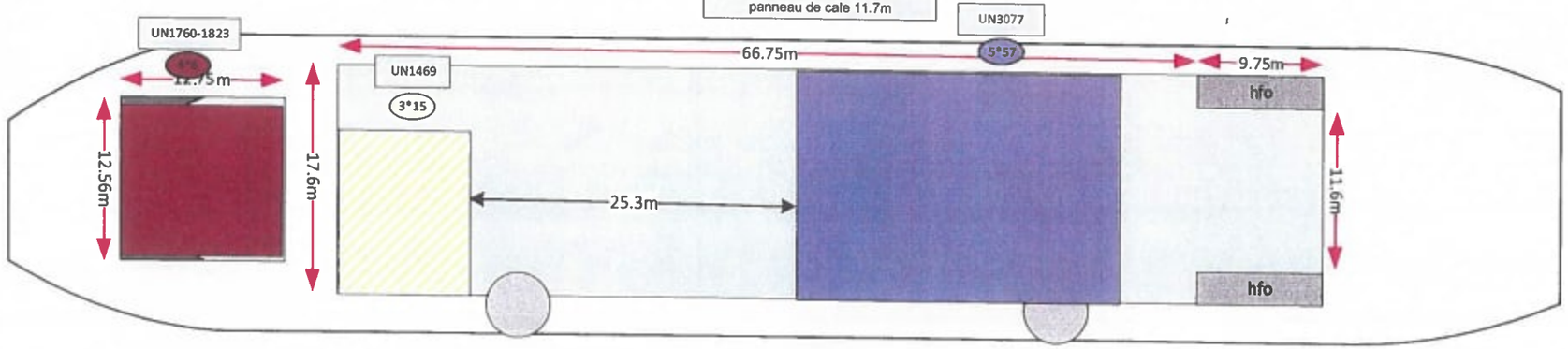
Gommence Loading: 06 juillet 2025
Complete Loading: 11 juillet 2025

No de Voyage : 05926701
ETD : 12 juillet 2025
Départ: 12 juillet 2025





Hauteur totale du top tank au panneau de cale 11.7m



Pas d'ajustement dans la 1
LH : 5.0m (peux pas mettre deux conteneur de haut
TD : 5.4m

Hfo tank sur toute la hauteur du LH sur ajustement 1
Hauteur de l'ajustement
Position 1 LH : 5.5m TD 5.4m
Position 2 LH : 7.1M TD 3.8m

1		CLASSE 1
2		CLASSE 2.1
3		CLASSE 2.2
4		CLASSE 3
5		CLASSE 4
6		CLASSE 5
7		CLASSE 6
8		CLASSE 8 ACIDE
9		CLASSE 8 AUTRES
10		
11		CLASSE 9
12		
13		
14		
15		

Tonnage total : 2 131 819 KG
*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Fafard-Morrissette

Approuvé par:

Capitaine :

Date :

MIENA DESGAGNÉS
MO # 9700380
MASTER

QSL

333218
2025-07-06 00:00 - N/A
V250378

Port	Section
Port of Becancour	Becancour

Pro Forma DANGEROUS GOODS MANIFEST

MIENA DESGAGNES

Port of Discharge	Shipper	C/O	Consignee	Notify
BAKER LAKE, NUNAVUT	DESGAGNÉS TRANSARCTIK INC. N/A	N/A	DESGAGNÉS TRANSARCTIK INC. N/A	N/A

DESGAGNES BAKER LAKE - CLASS 1.4S

Product	Identifier	Dimensions	Qty	Volume	Weight	Location	HAZ MAT
Northern Cargo GENERAL	Bc: 94288, Desc: AMMUNITION UN0012 COLIS 262104, PO: 25-00212-1-BAK	91 cm x 91 cm x 74 cm (6) Deck #2 AFT PS	1	0.6128 m³	0.22 MT	Deck3	Class 1.4S/0012/PG II
SUBTOTAL QTY: 1		SUBTOTAL VOLUME: 0.6128 m³ (21.6408 cu.ft.)			0.22 MT (485.017 lb)		

TOTAL QTY: 1	TOTAL VOLUME: 0.6128 m³ (21.6408 cu.ft.)	0.22 MT (485.017 lb)

MIENA DESGAGNES
IMO # 9700380
MASTER
11. 07. 2025

Quantity: 106	Volume: 4048.3208 m³ (142965.0984 cu.ft.)	2382.444 MT (5252389.9377 lb)

Captain, First Officer / Mate or vessel authorized personnel:_____

QSL Canada inc. without prejudice:_____

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds

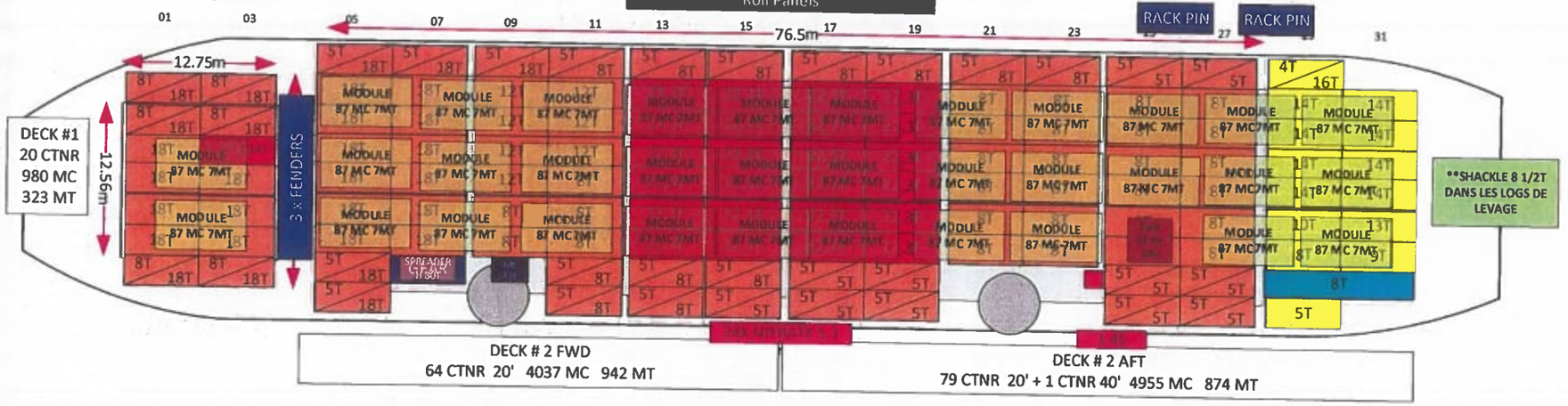
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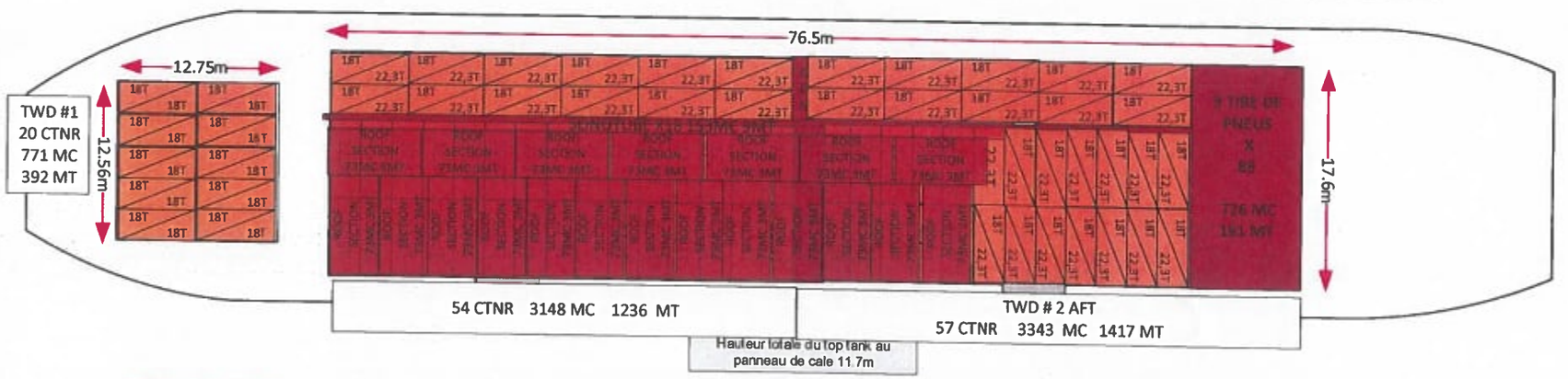
Miena Desgagnés

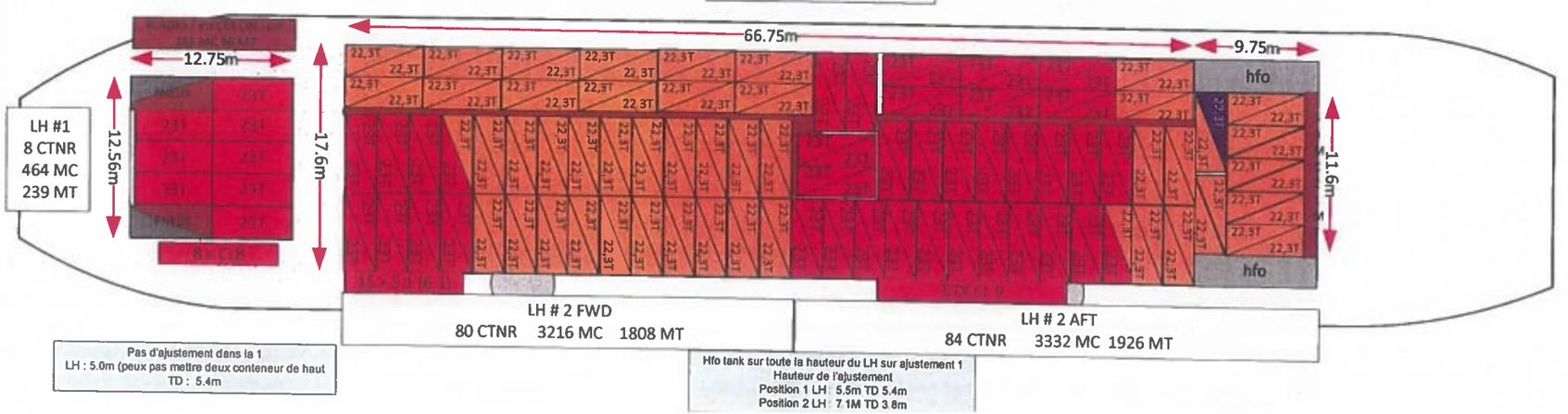
Commence Loading: 06 juillet 2025
Complete Loading: 11 juillet 2025

No de Voyage : 05926701
ETD : 12 juillet 2025
Départ: 12 juillet 2025

Total
466 CTNR 20'
1 CTNR 40'







1 CTNR 20'
2 CTNR 40'
3 MODULES
4 MACHINERIES/VÉHICULES
5 GÉNÉRAL CARGO
6 DANGEREUX
7 GEAR DTI
8 FLT 20'
9
10
11
12
13 NSSI : 579 MC
14
15

VOLUME TOTAL: 24 246 MC
TONNAGE TOTAL: 9 157 MT

Préparé par : Charlotte Fafard-Morrissette

Approuvé par:

Capitaine :

Date : 11.07.2025

QSL

333218
2025-07-06 00:00 - N/A
V250378

Port	Section
Port of Becancour	Becancour

Pro Forma HATCH LIST SUMMARY

MIENA DESGAGNES

Port of Discharge	Shipper	C/O	Consignee	Notify
BAKER LAKE, NUNAVUT	DESGAGNÉS TRANSARCTIK INC. N/A	N/A	DESGAGNÉS TRANSARCTIK INC. N/A	N/A

DESGAGNES BAKER LAKE

Location in vessel	Qty	Weight	Volume
Deck 3	16	176.057 MT (388139.2449 lb)	578.8568 m³ (20442.135 cu.ft.)

SUBTOTAL QTY: 16 | SUBTOTAL VOLUME: 578.8568 m³ (20442.135 cu.ft.) | 176.057 MT (388139.2449 lb)

TOTAL QTY: 16 | TOTAL VOLUME: 578.8568 m³ (20442.135 cu.ft.) | 176.057 MT (388139.2449 lb)

MIENA DESGAGNES
IMO # 9700380
MASTER
11.04.2025

Quantity: 721 | Volume: 24246.2171 m³ (856247.0776 cu.ft.) | 9157.257 MT (20188295.9363 lb)

Captain, First Officer / Mate or vessel authorized personnel:_____

QSL Canada inc. without prejudice:_____

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds

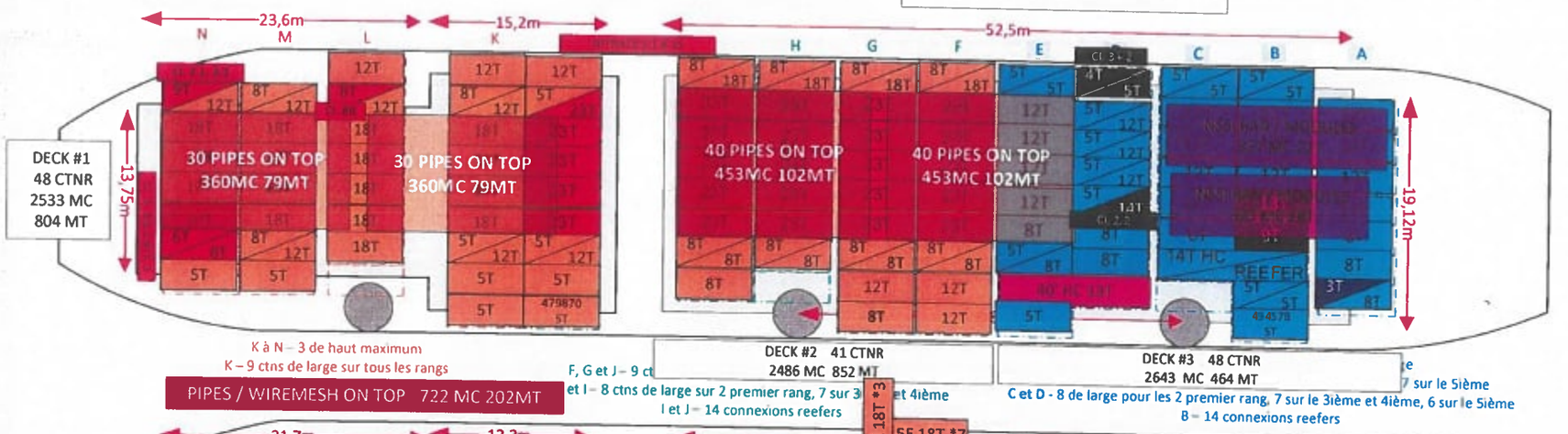
Nordika Desgagnés

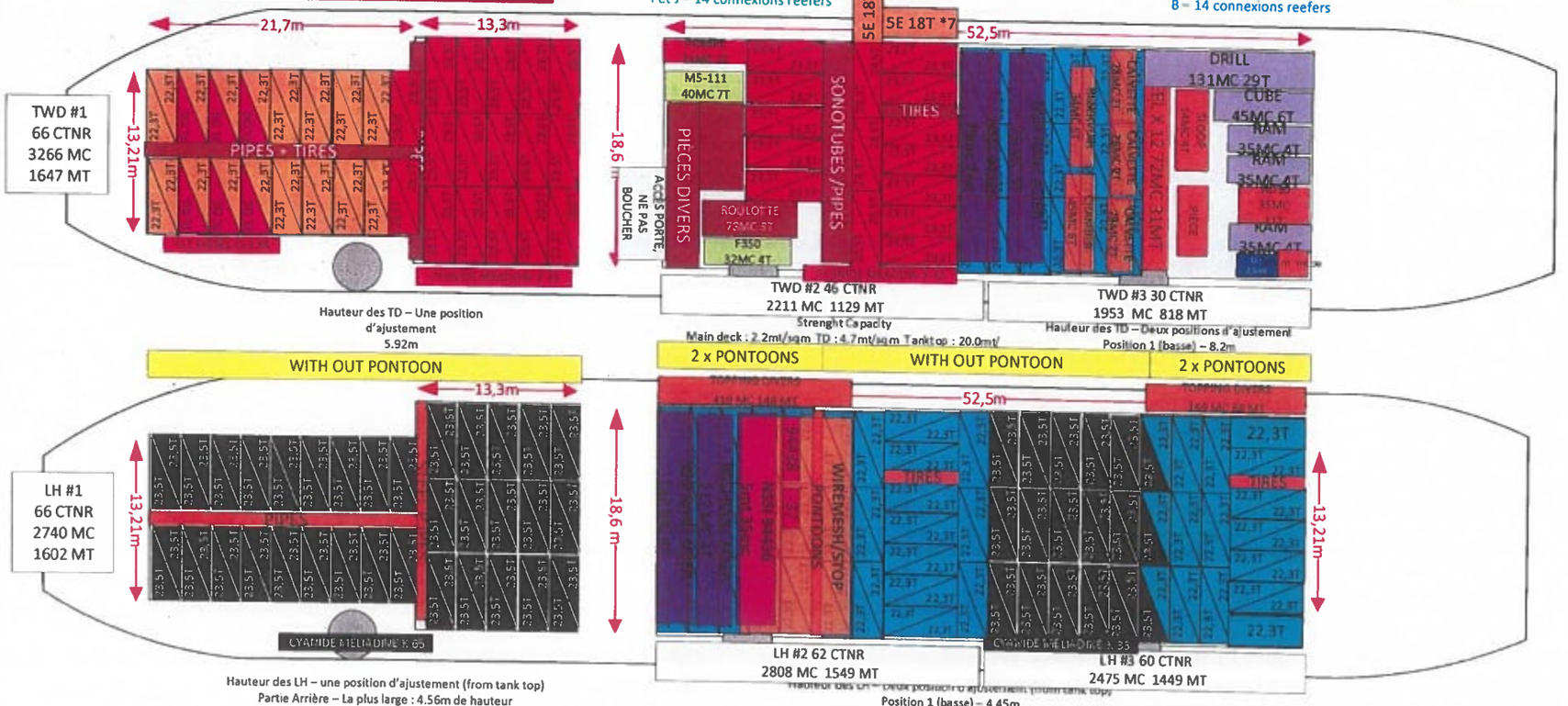
Début du chargement : 18 juillet 2025
Fin du Chargement : 22 juillet 2025

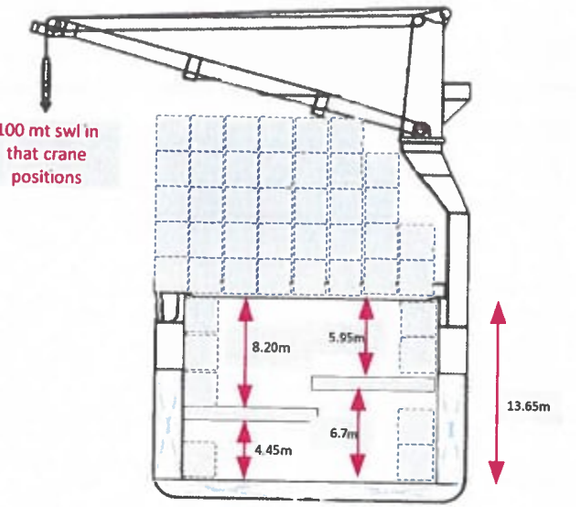
No de Voyage : 05626702
ETD : 22 juillet 2025
Départ: 23 juillet 2025 0600

FINAL

Total : 465 CTNR 20' + 3 CTNR 40'







1	CTNR MEADOWBANK
2	CTNR MELIADINE
3	MACHINERIES MEADOW
4	MACHINERIES MÉLIADINE
5	GÉNÉRAL CARGO MEADOWBANK
6	DANGEREUX MEADOWBANK
7	GEAR DTI
8	DANGEREUX MELIADINE
9	GÉNÉRAL MÉLIADINE
10	
11	
12	
13	NSSI: 1 241 MC
14	
15	VOLUME MÉLIADINE: 11 841 MC VOLUME MEADOW: 10 033 MC VOLUME TOTAL: 23 115 MC TONNAGE TOTAL: 10 315 MT

Préparé par : Charlotte Falard.M

Approuvé par: 22/07/25

Capitaine : M.A Oca

Date :

QSL

334691
2025-07-16 00:00 - N/A
V250979

Port	Section
Port of Becancour	Becancour

Pro Forma HATCH LIST SUMMARY

NORDIKA DESGAGNES

Port of Discharge	Shipper	C/O	Consignee	Notify
RANKIN INLET, NUNAVUT	DESGAGNÉS TRANSARCTIK INC. N/A	N/A	DESGAGNÉS TRANSARCTIK INC. N/A	N/A

DESGAGNES RANKIN INLET

Location in vessel	Qty	Weight	Volume
HatchTwinDeck 3	2	11.612 MT (25600.0779 lb)	153.7529 m³ (5429.7324 cu.ft.)
LowerHold 2	6	13.549 MT (29870.4319 lb)	159.699 m³ (5639.717 cu.ft.)
Deck 3	3	47.5 MT (104719.5745 lb)	695.9634 m³ (24577.7155 cu.ft.)
SUBTOTAL QTY: 11		SUBTOTAL VOLUME: 1009.4153 m³ (35647.1649 cu.ft.)	72.661 MT (160190.0843 lb)
TOTAL QTY: 11		TOTAL VOLUME: 1009.4153 m³ (35647.1649 cu.ft.)	72.661 MT (160190.0843 lb)

Quantity: 1023 | Volume: 23115.2272 m³ (816306.5462 cu.ft.) | 10314.868 MT (22740391.3342 lb)

Captain, First Officer / Mate or vessel authorized personnel: _____

QSL Canada inc. without prejudice: _____

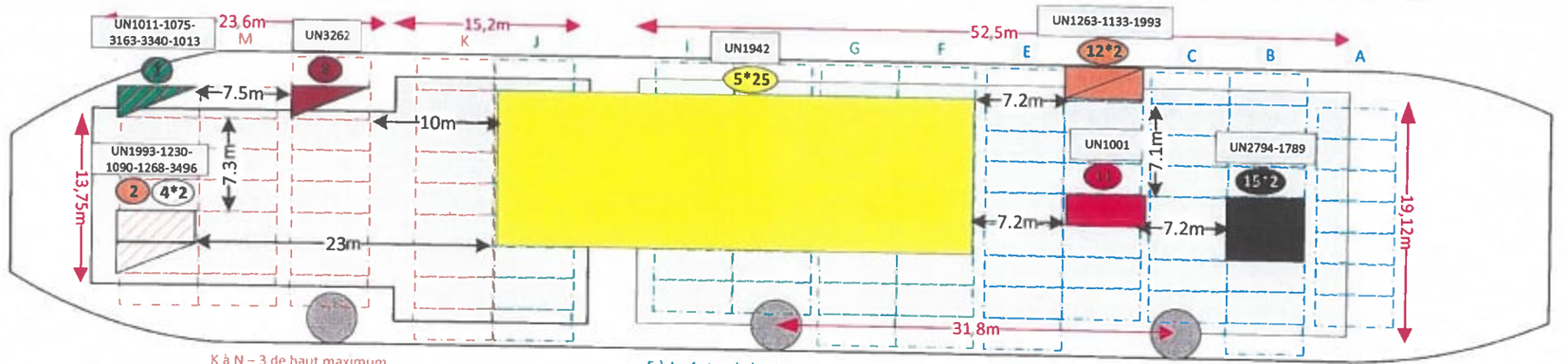
QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

Nordika Desgagnés

Début du chargement : 18 juillet 2025
Fin du Chargement : 22 juillet 2025

No de Voyage : 05626702
ETD : 22 juillet 2025
Départ: 23 juillet 2025 0600

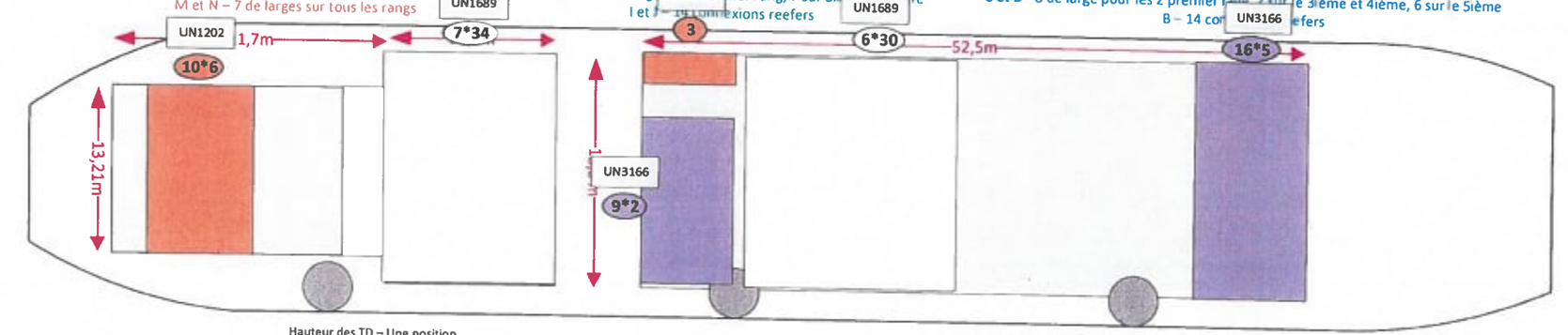
Dangereux



K à N – 3 de haut maximum
K – 9 ctns de large sur tous les rangs
L – 8 de large 2 premier rang, 7 sur le dernier
M et N – 7 de larges sur tous les rangs

F à J – 4 ctns de haut max
F, G et J – 9 ctns de large sur 3 premier rang, 8 sur le 4ième
H et I – 8 ctns de large [illegible] premier rang, 7 sur 3ième
I et J – 11 connexions reefers

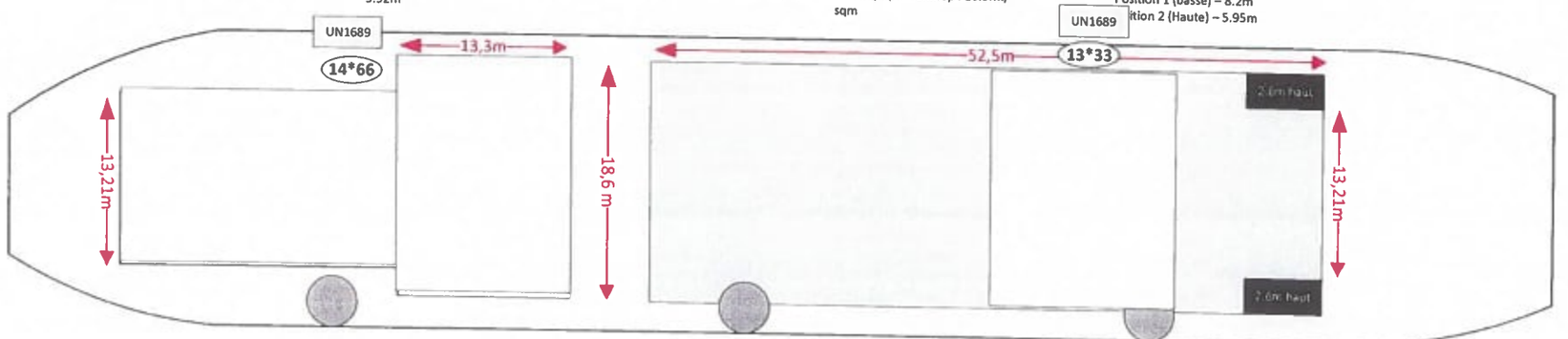
A à E – 5 ctns de haut max
B et E- 9 de large pour les 3 premier rang, 8 sur le 4ième et 7 sur le 5ième
C et D - 8 de large pour les 2 premier rang, 7 sur le 3ième et 4ième, 6 sur le 5ième
B – 14 co[illegible] efers
A - 7 de large



Hauteur des TD – Une position d'ajustement
5.92m

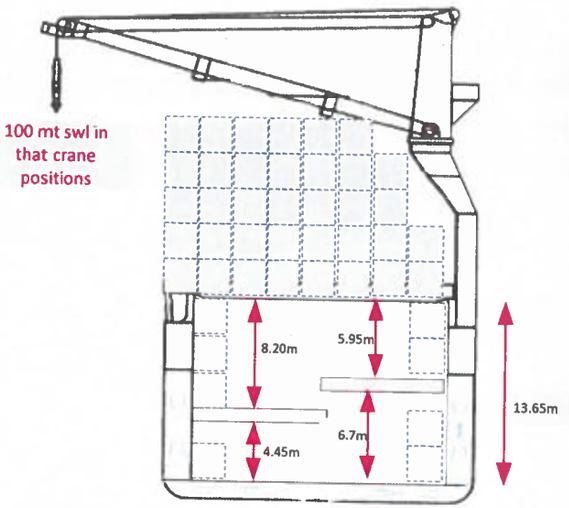
Strenght Capacity
Main deck : 2.2mt/sqm TD : 4.7mt/sqm Tanktop : 20.0mt/sqm

Hauteur des TD – Deux positions d'ajustement
Position 1 (basse) – 8.2m
[illegible]ition 2 (Haute) – 5.95m



Hauteur des LH – une position d'ajustement (from tank top)
Partie Arrière – La plus large : 4.56m de hauteur
La plus étroite : 4.88 m de hauteur

Hauteur des LH – Deux position d'ajustement (from tank top)
Position 1 (basse) – 4.45m
Position 2 (haute) – 6.7m
Sans pontoons : 5 ctn de haut et reste 19" de loose



1		CLASSE 1
2		CLASSE 2.1
3		CLASSE 2.2
4		CLASSE 3
5		CLASSE 4
6		CLASSE 5
7		CLASSE 6
8		CLASSE 8 ACIDE
9		CLASSE 8 AUTRES
10		
11		CLASSE 9
12		
13		
14		
15		

Tonnage total : 3 952 675 KG
*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Fafard.M
Approuvé par:
Capitaine :
Date :

QSL

334691
2025-07-16 00:00 - N/A
V250979

TOTAL QTY: 109	TOTAL VOLUME: 4308.1464 m³ (152140.7543 cu.ft.)	2417.438 MT (5329538.5017 lb)

Quantity: 212	Volume: 8255.9282 m³ (291555.3514 cu.ft.)	4637.453 MT (10223833.7916 lb)

Captain, First Officer / Mate or vessel authorized personnel:

QSL Canada inc. without prejudice:

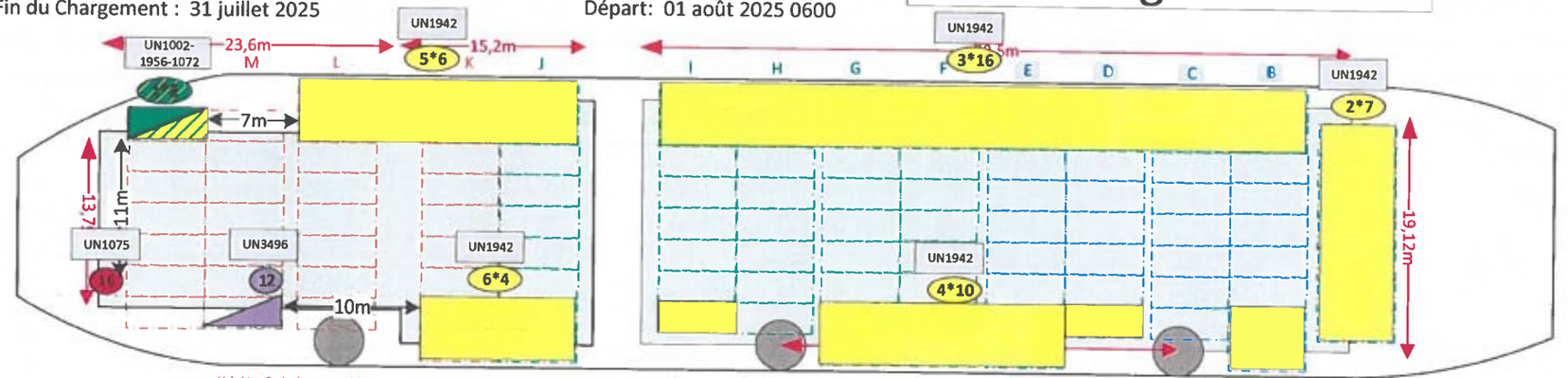
QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.
2025-07-22 09:23

Marcellin A. Desgagnés

Début du chargement : 27 juillet 2025
Fin du Chargement : 31 juillet 2025

No de Voyage : 06126702
ETD : 01 août 2025
Départ: 01 août 2025 0600

Dangereux

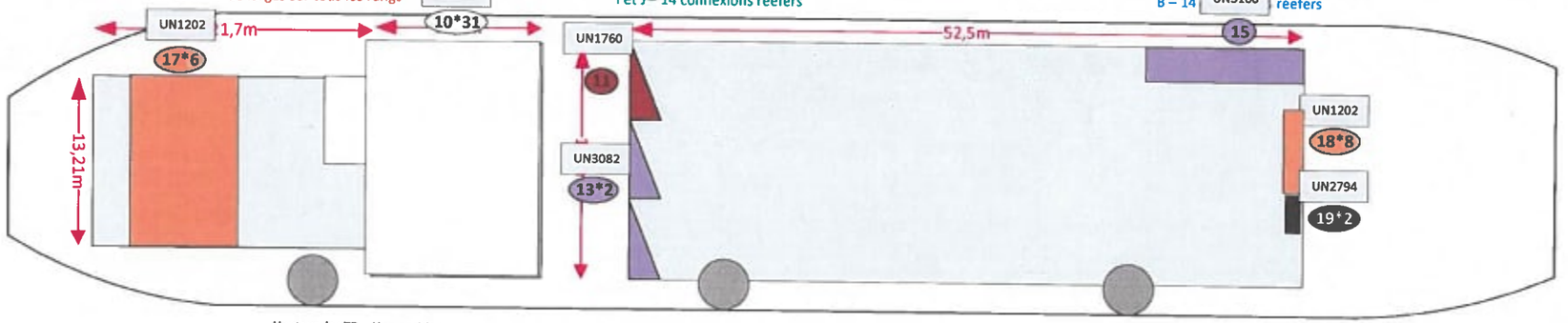


K à N – 3 de haut maximum
K – 9 ctns de large sur tous les rangs
L – 8 de large 2 premier rang, 7 sur le dernier
M et N – 7 de larges sur tous les rangs

F à J – 4 ctns de haut max
F, G et J – 9 ctns de large sur 3 premier rang, 8 sur le 4ième
H et I – 8 ctns de large sur 2 premier rang, 7 sur 3ième et 4ième
I et J – 14 connexions reefers

A à E – 5 ctns de haut max
B et E- 9 de large pour les 3 premier rang, 8 sur le 4ième et 7 sur le 5ième
C et D - 8 de large pour les 2 premi… sur le 3ième et 4ième, 6 sur le 5ième
B – 14 … reefers

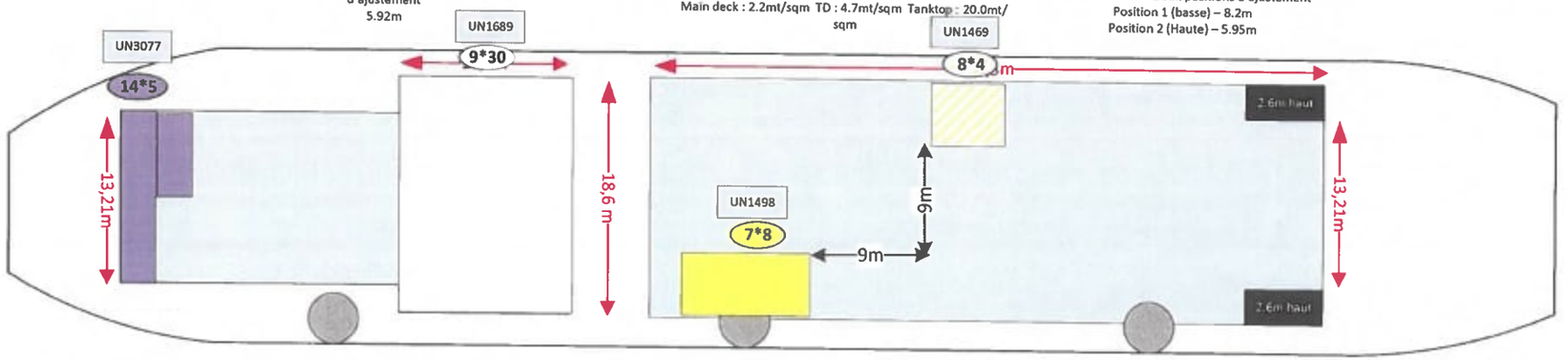
A - 7 de large



Hauteur des TD – Une position d'ajustement
5.92m

Strenght Capacity
Main deck : 2.2mt/sqm TD : 4.7mt/sqm Tanktop : 20.0mt/sqm

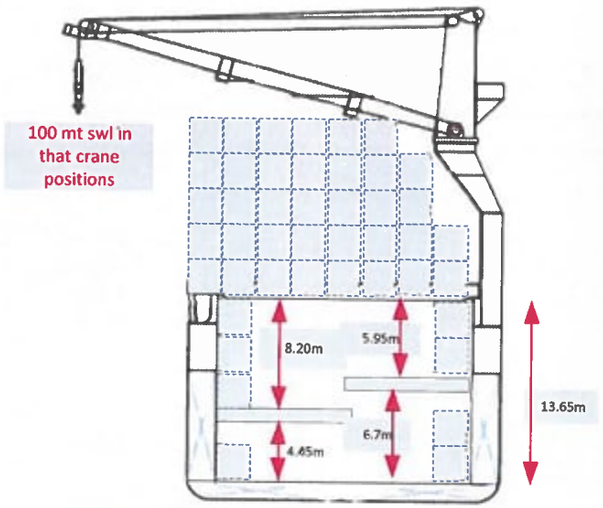
Hauteur des TD – Deux positions d'ajustement
Position 1 (basse) – 8.2m
Position 2 (Haute) – 5.95m



Hauteur des LH – une position d'ajustement (from tank top)
Partie Arrière – La plus large : 4.56m de hauteur
La plus étroite : 4.88 m de hauteur

Hauteur des LH – Deux position d'ajustement (from tank top)
Position 1 (basse) – 4.45m
Position 2 (haute) – 6.7m

Sans pontoons : 5 ctn de haut et reste 19'' de loose



1		CLASSE 1
2		CLASSE 2.1
3		CLASSE 2.2
4		CLASSE 3
5		CLASSE 4
6		CLASSE 5
7		CLASSE 6
8		CLASSE 8 ACIDE
9		CLASSE 8 AUTRES
10		
11		CLASSE 9
12		
13		
14		
15		

Tonnage total : 2 587 577 KG
*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Fafard-M
Approuvé par:
Capitaine :
Date :

QSL

336412
2025-07-25 00:00 - N/A
V251009

DESGAGNES BAKER LAKE - CLASS 8

SUBTOTAL QTY: 2	SUBTOTAL VOLUME: 2.7272 m³ (96.3102 cu.ft.)	1.1 MT (2425.0849 lb)
TOTAL QTY: 17	TOTAL VOLUME: 251.3402 m³ (8875.9954 cu.ft.)	95.798 MT (211198.4379 lb)

Quantity: 145 Volume: 5227.0634 m³ (184592.0019 cu.ft.) 2980.514 MT (6570908.5891 lb)

Captain, First Officer / Mate or vessel authorized personnel:

QSL Canada inc. without prejudice:

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

2025-07-31 13:58

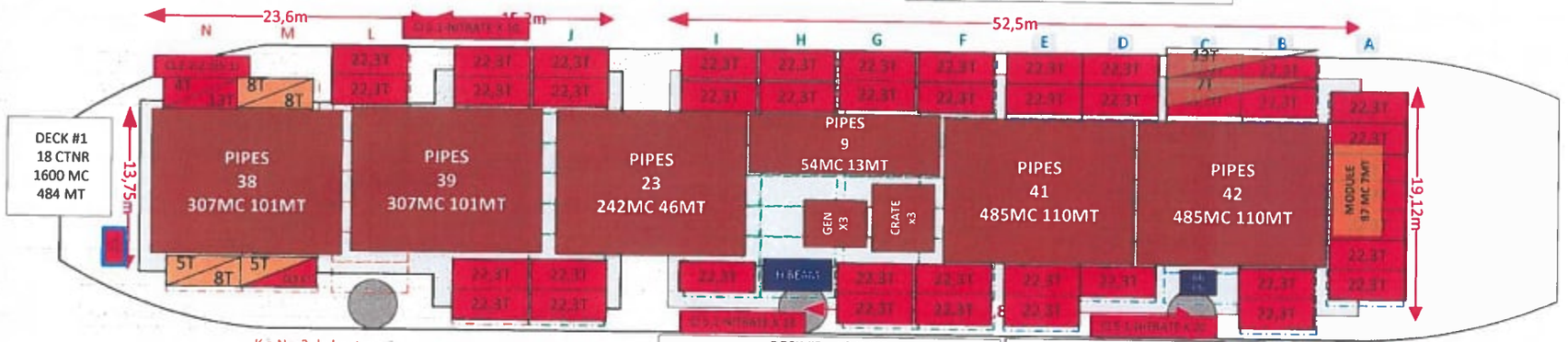
Marcellin A. Desgagnés

Début du chargement : 27 juillet 2025
Fin du Chargement : 31 juillet 2025

No de Voyage : 06126702
ETD : 01 août 2025
Départ: 01 août 2025 0600

FINAL

Total : 455 CTNR 20' + 2 CTNR 40'



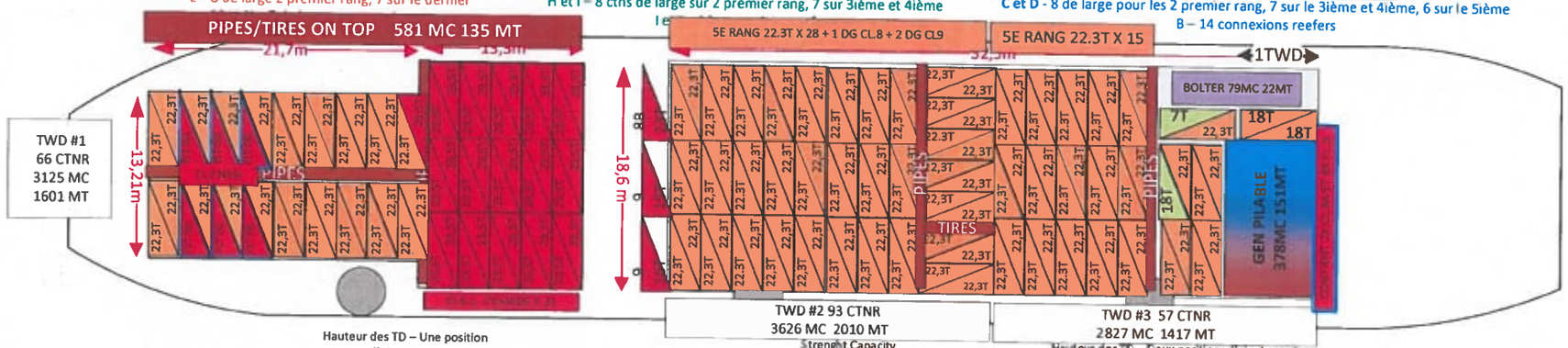
K à N – 3 de haut maximum
K – 9 ctns de large sur tous les rangs
L – 8 de large 2 premier rang, 7 sur le dernier

DECK #2 13 CTNR
848 MC 353 MT

F, G et J – 9 ct
H et I – 8 ctns de large sur 2 premier rang, 7 sur 3ième et 4ième

DECK #3 20 CTNR + 2 CTNR 40'
2000 MC 692 MT

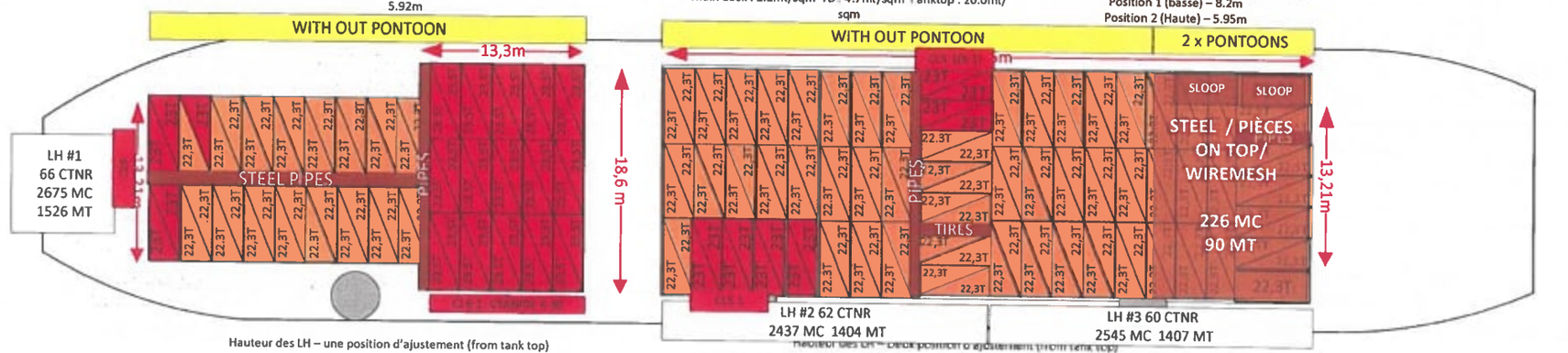
C et D - 8 de large pour les 2 premier rang, 7 sur le 3ième et 4ième, 6 sur le 5ième
B – 14 connexions reefers



Hauteur des TD – Une position d'ajustement
5.92m

TWD #2 93 CTNR
3626 MC 2010 MT
Strenght Capacity
Main deck : 2.2mt/sqm TD : 4.7mt/sqm Tanktop : 20.0mt/sqm

TWD #3 57 CTNR
2827 MC 1417 MT
Hauteur des TD – Deux positions d'ajustement
Position 1 (basse) – 8.2m
Position 2 (Haute) – 5.95m



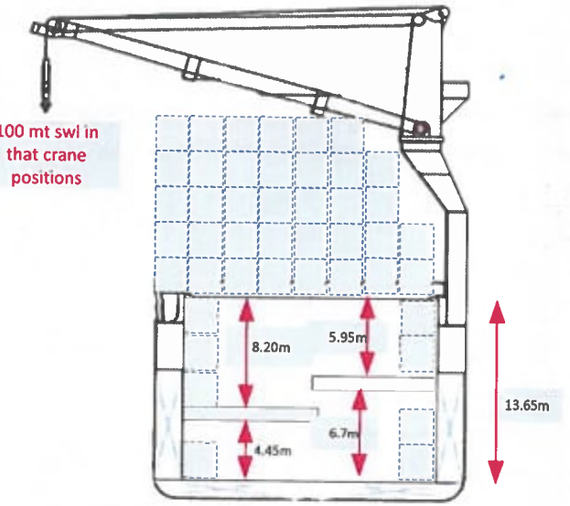
Hauteur des LH – une position d'ajustement (from tank top)
Partie Arrière – La plus large : 4.56m de hauteur
La plus étroite : 4.88 m de hauteur

LH #2 62 CTNR
2437 MC 1404 MT

LH #3 60 CTNR
2545 MC 1407 MT

Position 1 (basse) – 4.45m
Position 2 (haute) – 6.7m

Sans pontoons : 5 ctn de haut et reste 19'' de loose



1	CTNR 20'
2	CTNR 40'
3	FLATRACK
4	MACHINERIES/VÉHICULES
5	GÉNÉRAL CARGO
6	DANGEREUX
7	GEAR DTI
8	FLT 20'
9	
10	NSSI : 421 MC
11	
12	
13	MODULE
14	
15	

VOLUME TOTAL: 21 684 MC
TONNAGE TOTAL: 10 895 MT

Préparé par : Charlotte Fafard M
Approuvé par:
Capitaine :
Date :

QSL

336412
2025-07-25 00:00 - N/A
V251009

Port	Section
Port of Becancour	Becancour

Pro Forma HATCH LIST SUMMARY

MARCELLIN ADESGAGNES

Port of Discharge	Shipper	C/O	Consignee	Notify
BAKER LAKE, NUNAVUT	DESGAGNÉS TRANSARCTIK INC. N/A	N/A	DESGAGNÉS TRANSARCTIK INC. N/A	N/A

DESGAGNES BAKER LAKE

Location in vessel	Qty	Weight	Volume
LowerHold 3	1	6.995 MT (15421.3352 lb)	17.0909 m³ (603.5594 cu.ft.)
HatchTwinDeck 1	6	87.48 MT (192860.387 lb)	231.2976 m³ (8168.1977 cu.ft.)
HatchTwinDeck 3	48	39.119 MT (86242.6323 lb)	192.5908 m³ (6801.2799 cu.ft.)
Deck 1	1	1.13 MT (2491.2236 lb)	4.9322 m³ (174.179 cu.ft.)
SUBTOTAL QTY: 56		SUBTOTAL VOLUME: 445.9115 m³ (15747.216 cu.ft.)	134.724 MT (297015.5781 lb)

TOTAL QTY: 56	TOTAL VOLUME: 445.9115 m³ (15747.216 cu.ft.)	134.724 MT (297015.5781 lb)

Quantity: 912	Volume: 21683.7023 m³ (765752.7193 cu.ft.)	10894.673 MT (24018642.5534 lb)

Captain, First Officer / Mate or vessel authorized personnel: _____

QSL Canada inc. without prejudice: _____

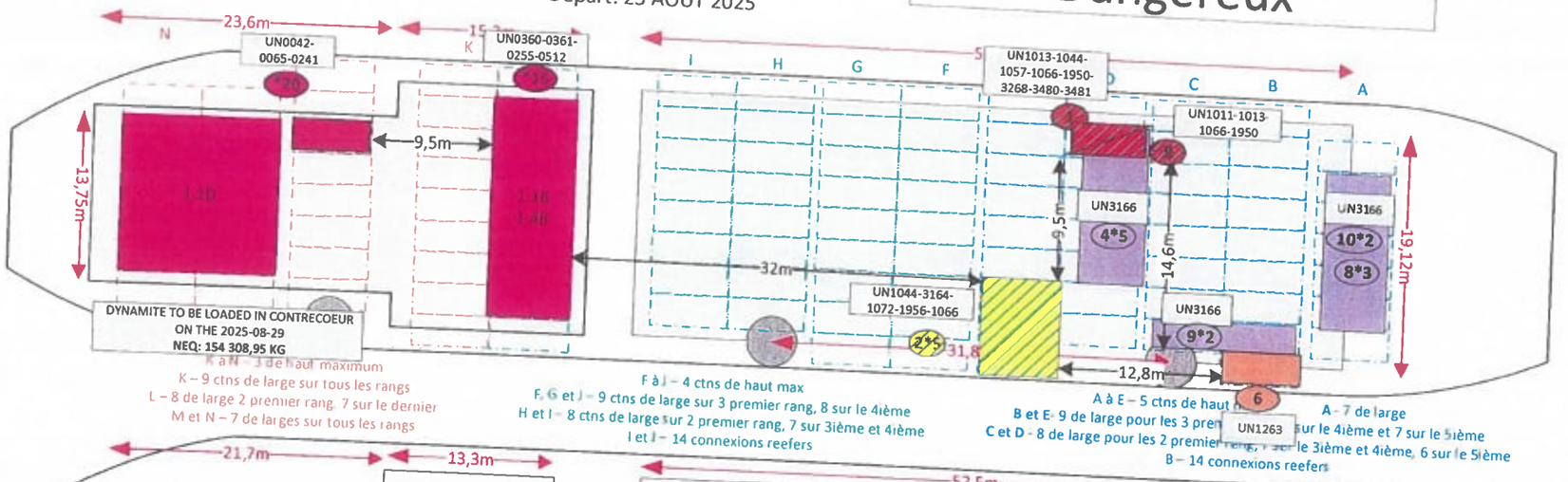
QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds

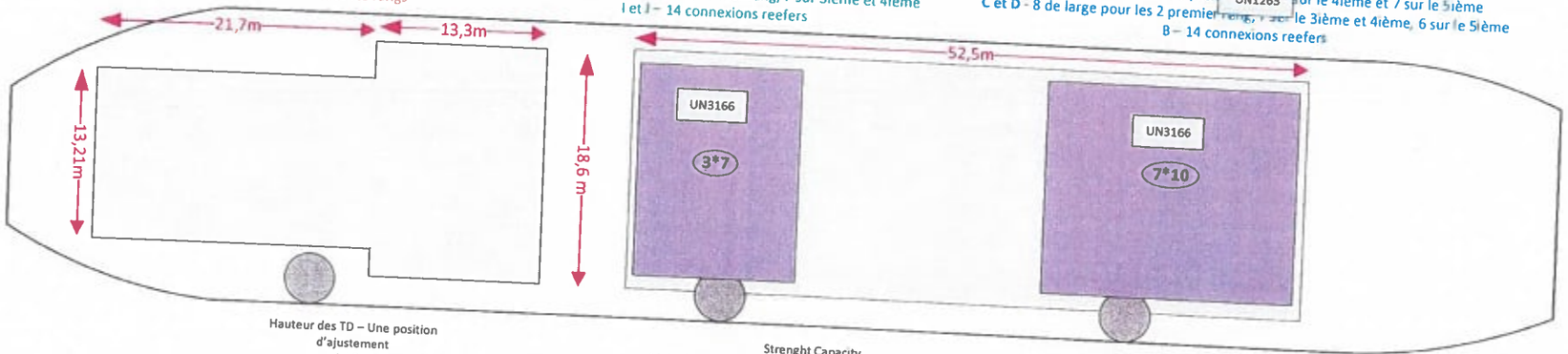
Nordika Desgagnés

Début du chargement : 21 AOUT 2025
Fin du Chargement : 26 AOUT 2025

No de Voyage : 05626703
ETD : 28 AOUT 2025
Départ: 25 AOUT 2025

Dangereux

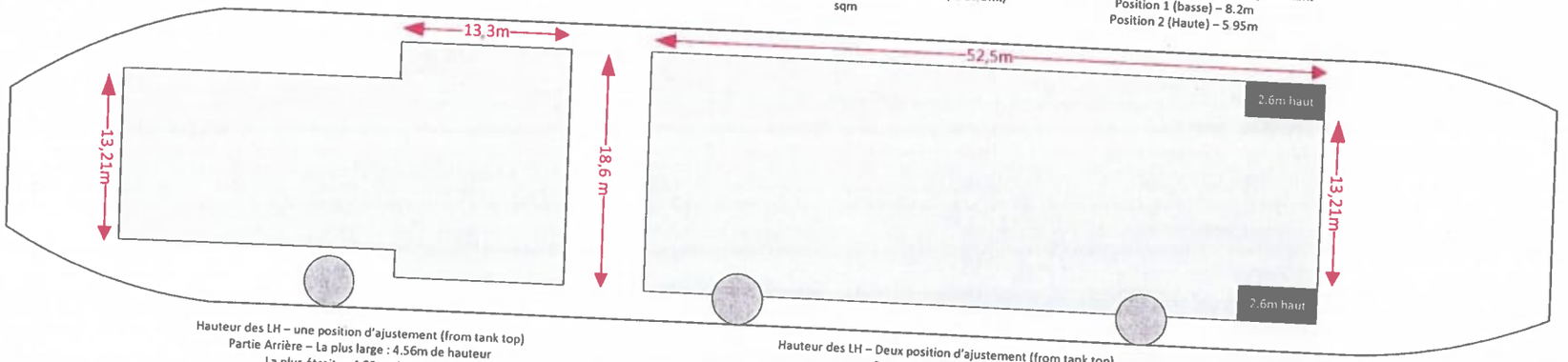




Hauteur des TD – Une position d'ajustement
5.92m

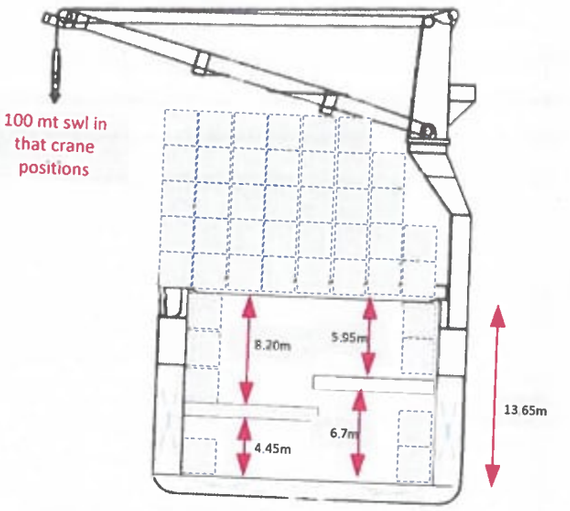
Strenght Capacity
Main deck : 2.2mt/sqm TD : 4.7mt/sqm Tanktop : 20.0mt/sqm

Hauteur des TD – Deux positions d'ajustement
Position 1 (basse) – 8.2m
Position 2 (Haute) – 5.95m



Hauteur des LH – une position d'ajustement (from tank top)
Partie Arrière – La plus large : 4.56m de hauteur
La plus étroite : 4.88 m de hauteur

Hauteur des LH – Deux position d'ajustement (from tank top)
Position 1 (basse) – 4.45m
Position 2 (haute) – 6.7m
Sans pontoons : 5 ctn de haut et reste 19" de loose



1	CLASSE 1
2	CLASSE 2.1
3	CLASSE 2.2
4	CLASSE 3
5	CLASSE 4
6	CLASSE 5
7	CLASSE 6
8	CLASSE 8 ACIDE
9	CLASSE 8 AUTRES
10	
11	CLASSE 9
12	
13	
14	
15	

Tonnage total : 403 397 KG
(SANS LA CLASSE 1)
*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Fafard.M

Approuvé par: 21/08/25

Capitaine :

Date :

339572
2025-08-18 00:00 - N/A
V251174

Port	Section
Port of Becancour	Becancour

Pro Forma DANGEROUS GOODS MANIFEST

NORDIKA DESGAGNES

Port of Discharge	Shipper	C/O	Consignee	Notify
BAKER LAKE, NUNAVUT	DESGAGNÉS TRANSARCTIK INC. N/A	N/A	DESGAGNÉS TRANSARCTIK INC. N/A	N/A

DESGAGNES BAKER LAKE - CLASS 9

Product	Identifier	Dimensions	Qty	Volume	Weight	Location	HAZ MAT
Vehicles - Self-Propelled (Passenger) PICK UP-NO ASSISTANCE	Bc: 94552, Desc: FORD F150 2023, PO: 25-02193-2-BAK	620 cm x 250 cm x 200 cm	1	31 m³	2.163 MT	Deck3	Class 9/3166/P.G. III
Vehicles - Self-Propelled (Passenger) PICK UP-NO ASSISTANCE	Bc: 93800, Desc: FORD F150 XLT BLANC 2025, PO: 25-02319-3-BAK	586 cm x 220 cm x 210 cm	1	27.0732 m³	3.016 MT	Deck3	Class 9/3166/P.G. III

IC
DECK 2
AFT
X2

SUBTOTAL QTY: 2 | SUBTOTAL VOLUME: 58.0732 m³ (2050.8357 cu.ft.) | 5.179 MT (11417.7406 lb)

TOTAL QTY: 2 | TOTAL VOLUME: 58.0732 m³ (2050.8357 cu.ft.) | 5.179 MT (11417.7406 lb)

Quantity: 37 | Volume: 2126.0221 m³ (75079.7619 cu.ft.) | 453.608 MT (1000034.4583 lb)

Captain, First Officer / Mate or vessel authorized personnel: _____

QSL Canada inc. without prejudice: _____

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

2025-08-26 10:51

Nordika Desgagnés

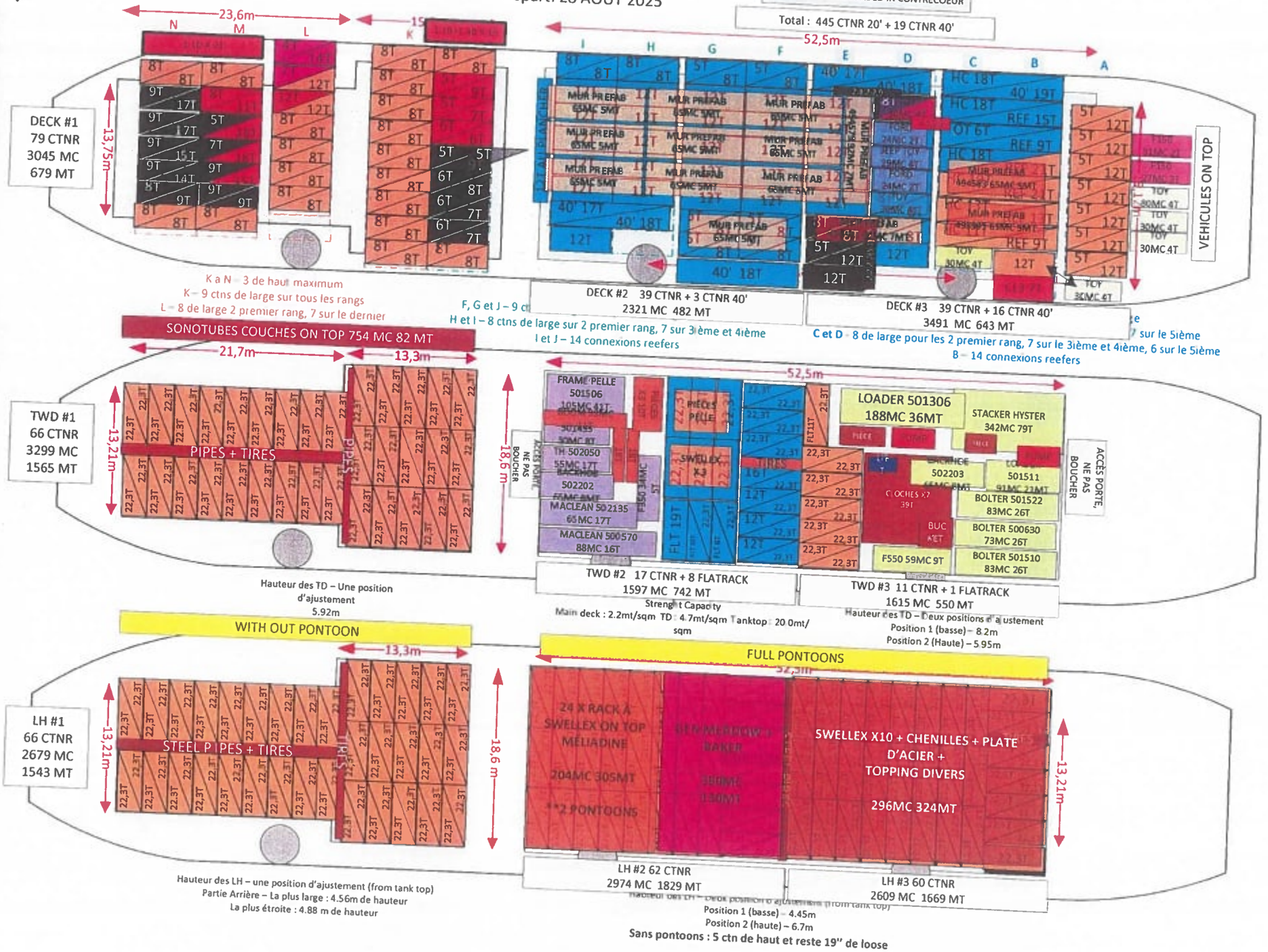
Début du chargement : 21 AOUT 2025
Fin du Chargement : 26 AOUT 2025

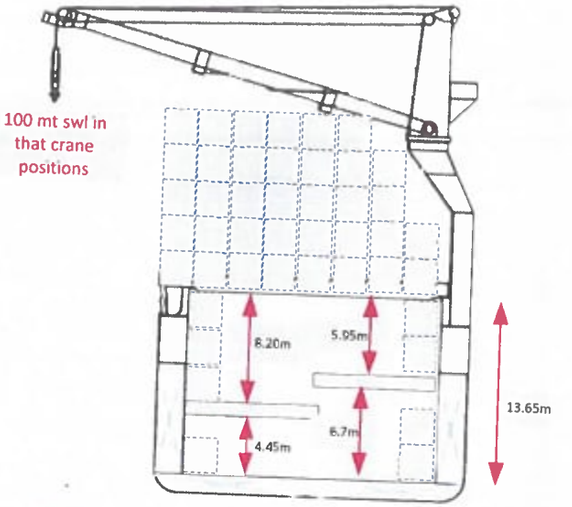
No de Voyage : 05626703
ETD : 28 AOUT 2025
Départ: 28 AOUT 2025

FINAL

DYNAMITE TO BE LOADED IN CONTRECOEUR

Total : 445 CTNR 20' + 19 CTNR 40'





1. CTNR MEADOWBANK
2. CTNR MELIADINE
3. MACHINERIES MEADOW
4. MACHINERIES MÉLIADINE
5. GÉNÉRAL CARGO MEADOWBANK
6. DANGEREUX MEADOWBANK
7. GEAR DTI
8. DANGEREUX MELIADINE
9. GÉNÉRAL MÉLIADINE
10.
11.
12.
13.
14.
15.

NSSI BAKER: 412 MC

VOLUME MÉLIADINE: 6 981 MC
VOLUME MEADOW: 16 011 MC
VOLUME TOTAL: 23 631 MC
TONNAGE TOTAL: 9 657 MT

Préparé par : Charlotte Rafard-M

Approuvé par: 26/08/25

Capitaine :

Date :

339572
2025-08-18 00:00 - N/A
V251174

Port	Section
Port of Becancour	Becancour

Pro Forma HATCH LIST SUMMARY

NORDIKA DESGAGNES

Port of Discharge	Shipper	C/O	Consignee	Notify
BAKER LAKE, NUNAVUT	DESGAGNÉS TRANSARCTIK INC. N/A	N/A	DESGAGNÉS TRANSARCTIK INC. N/A	N/A

DESGAGNES BAKER LAKE

Location in vessel	Qty	Weight	Volume
LowerHold 2	45	53.324 MT (117559.2967 lb)	202.8984 m³ (7165.2894 cu.ft.)
LowerHold 3	3	8.472 MT (18677.5629 lb)	34.8012 m³ (1228.9928 cu.ft.)
Deck 3	2	5.179 MT (11417.7406 lb)	58.0732 m³ (2050.8357 cu.ft.)
Deck 1	3	25.931 MT (57168.0692 lb)	115.6488 m³ (4084.0988 cu.ft.)
SUBTOTAL QTY: 53		SUBTOTAL VOLUME: 411.4216 m³ (14529.2167 cu.ft.)	92.906 MT (204822.6693 lb)
TOTAL QTY: 53		TOTAL VOLUME: 411.4216 m³ (14529.2167 cu.ft.)	92.906 MT (204822.6693 lb)

Quantity: 889 | Volume: 22243.1041 m³ (785507.8067 cu.ft.) | 9320.33 MT (20547810.3611 lb)

Captain, First Officer / Mate or vessel authorized personnel:

QSL Canada inc. without prejudice:

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

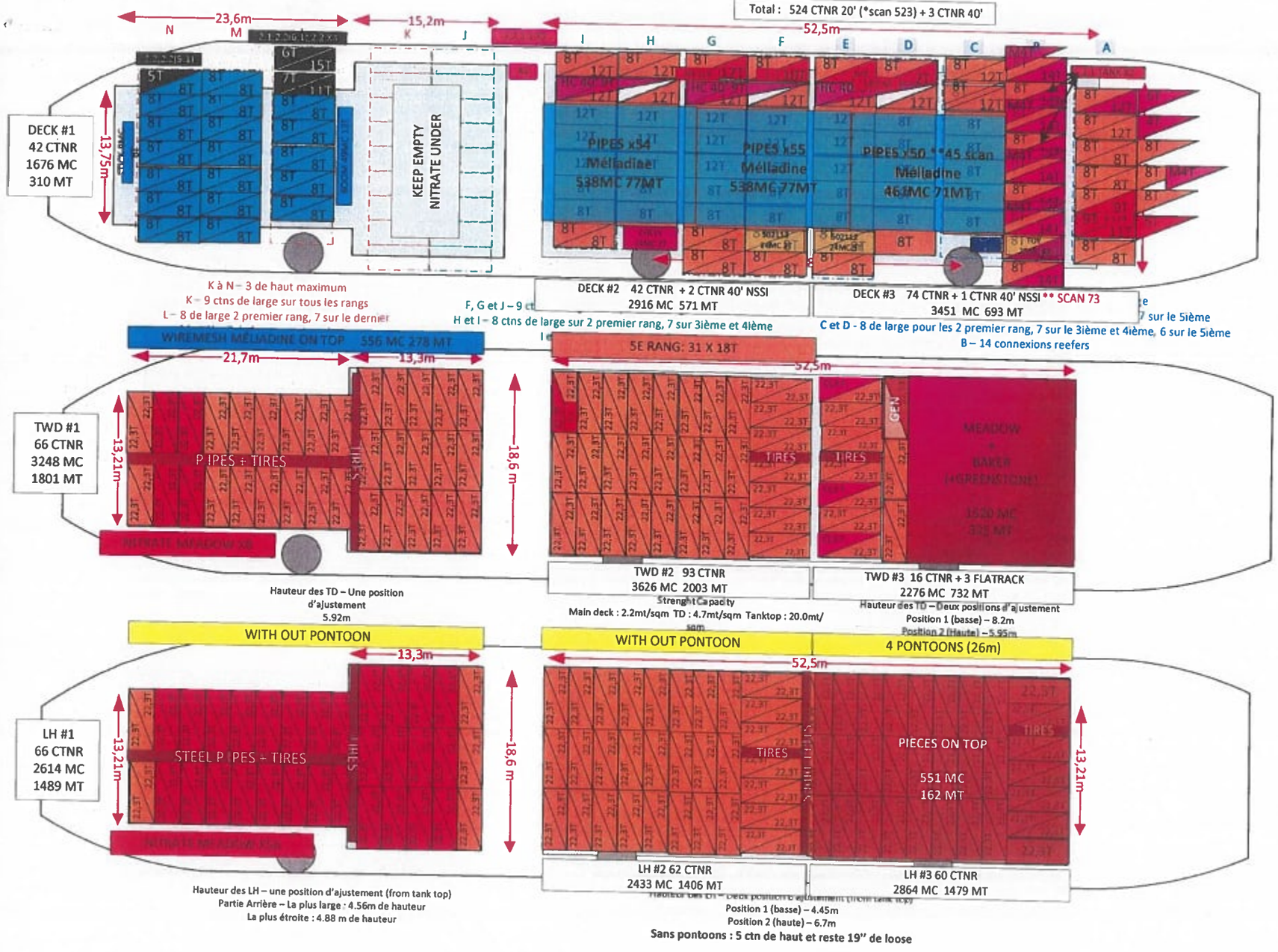
Marcellin A. Desgagnés

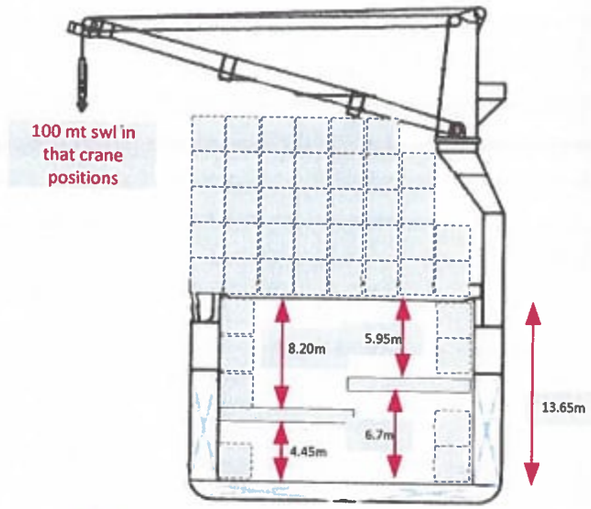
Début du chargement : 28 AOUT 2025
Fin du Chargement : 03 SEPTEMBRE 2025

No de Voyage : 06126703
ETD : 04 SEPTEMBRE 2025
Départ: 03 SEPTEMBRE 2025

FINAL

Total : 524 CTNR 20' (*scan 523) + 3 CTNR 40'





1		CTNR MEADOWBANK
2		CTNR MÉLIADINE
3		MACHINERIES MEADOWBANK
4		
5		GÉNÉRAL CARGO MEADOWBANK
6		DANGEREUX MEADOWBANK
7		GEAR DTI
8		DANGEREUX MÉLIADINE
9		
10		GÉNÉRAL CARGO MÉLIADINE
11		
12		
13		
14		NSSI BAKER: 2 328 MC
15		

VOLUME MÉLIADINE: 3 770 MC
VOLUME MEADOW: 19 005 MC
VOLUME TOTAL: 25 104 MC
TONNAGE TOTAL: 10 484 MT

Préparé par : Charlotte Fafard M

Approuvé par:

Capitaine :

Date :

QSL

340304
2025-08-25 00:00 - N/A
V251176

Port	Section
Port of Becancour	Becancour

Pro Forma HATCH LIST SUMMARY

MARCELLIN A DESGAGNES

Port of Discharge	Shipper	C/O	Consignee	Notify
BAKER LAKE, NUNAVUT	DESGAGNÉS TRANSARCTIK INC. N/A	N/A	DESGAGNÉS TRANSARCTIK INC. N/A	N/A

DESGAGNES BAKER LAKE

Location in vessel	Qty	Weight	Volume
HatchTwinDeck 3	173	251.743 MT (554998.3127 lb)	1369.3722 m³ (48358.9229 cu.ft.)
Deck 2	5	19.971 MT (44028.5184 lb)	196.4646 m³ (6938.0819 cu.ft.)
Deck 3	18	179.49 MT (395707.7144 lb)	762.2406 m³ (26918.2728 cu.ft.)
SUBTOTAL QTY: 196	SUBTOTAL VOLUME: 2328.0774 m³ (82215.2775 cu.ft.)	451.204 MT (994734.5455 lb)	
TOTAL QTY: 196	TOTAL VOLUME: 2328.0774 m³ (82215.2775 cu.ft.)	451.204 MT (994734.5455 lb)	

Quantity: 1306	Volume: 25103.6704 m³ (886527.7522 cu.ft.)	10483.726 MT (23112659.5009 lb)

Captain, First Officer / Mate or vessel authorized personnel:

QSL Canada inc. without prejudice:

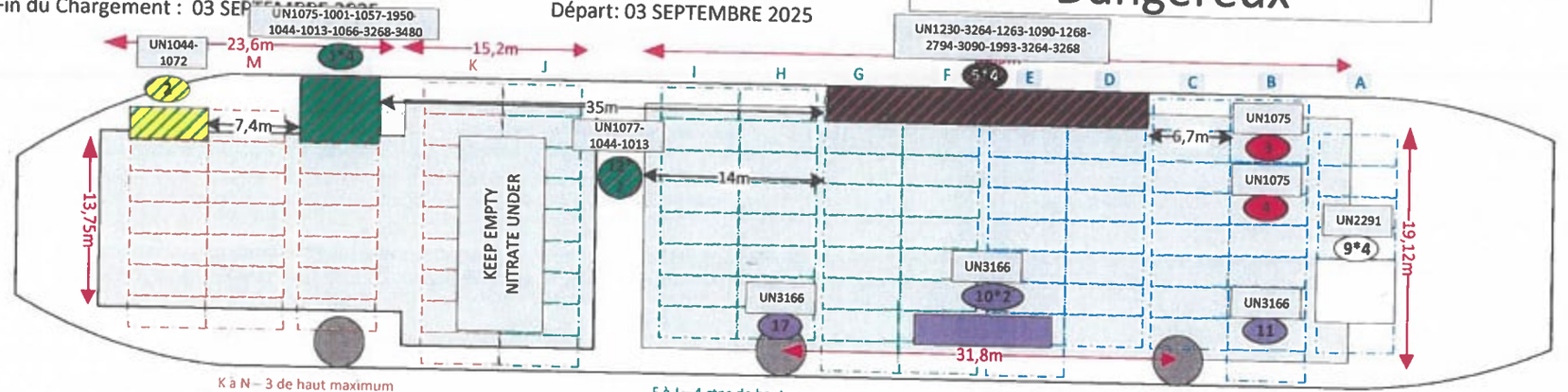
QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

Marcellin A. Desgagnés

Début du chargement : 28 AOUT 2025
Fin du Chargement : 03 SEPTEMBRE 2025

No de Voyage : 06126703
ETD : 04 SEPTEMBRE 2025
Départ: 03 SEPTEMBRE 2025

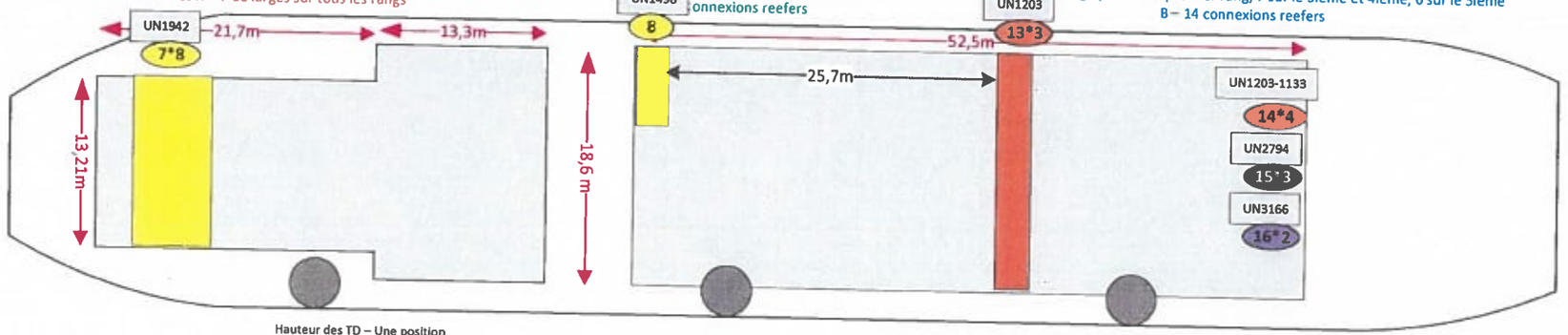
Dangereux



K à N – 3 de haut maximum
K – 9 ctns de large sur tous les rangs
L – 8 de large 2 premier rang, 7 sur le dernier
M et N – 7 de larges sur tous les rangs

F à J – 4 ctns de haut max
F, G et J – 9 ctns de large sur 3 premier rang, 8 sur le 4ième
H et I – 8 ctns de [illegible] premier rang, 7 sur 3ième et 4ième
[illegible] connexions reefers

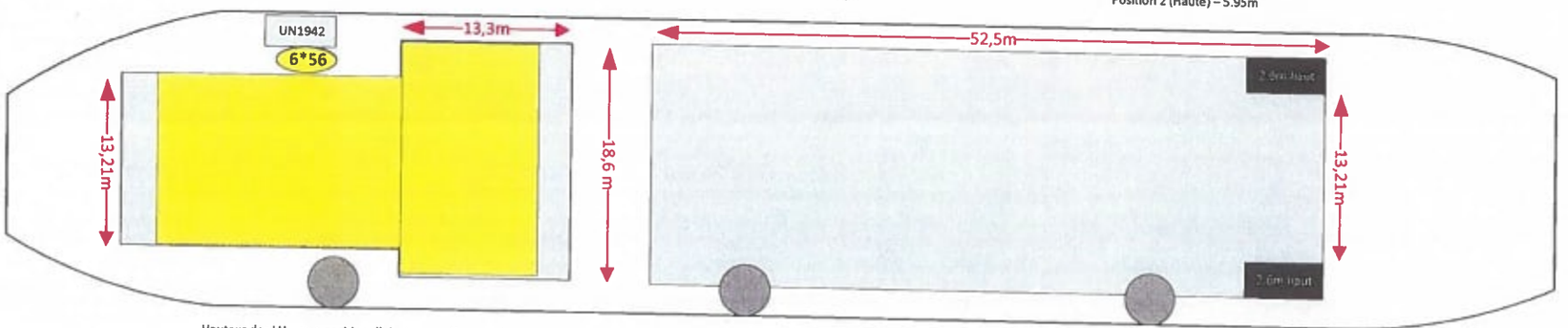
A à E – 5 ctns de haut max
B et E- 9 de large pour les 3 premier rang, 8 sur le 4ième et 7 sur le 5ième
[illegible] large pour les 2 premier rang, 7 sur le 3ième et 4ième, 6 sur le 5ième
B – 14 connexions reefers
A - 7 de large



Hauteur des TD – Une position d'ajustement
5.92m

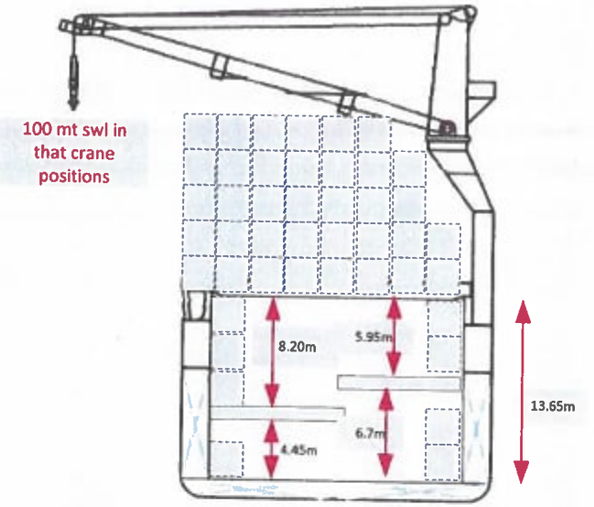
Strenght Capacity
Main deck : 2.2mt/sqm TD : 4.7mt/sqm Tanktop : 20.0mt/sqm

Hauteur des TD – Deux positions d'ajustement
Position 1 (basse) – 8.2m
Position 2 (Haute) – 5.95m



Hauteur des LH – une position d'ajustement (from tank top)
Partie Arrière – La plus large : 4.56m de hauteur
La plus étroite : 4.88 m de hauteur

Hauteur des LH – Deux position d'ajustement (from tank top)
Position 1 (basse) – 4.45m
Position 2 (haute) – 6.7m
Sans pontoons : 5 ctn de haut et reste 19" de loose



1	CLASSE 1
2	CLASSE 2.1
3	CLASSE 2.2
4	CLASSE 3
5	CLASSE 4
6	CLASSE 5
7	CLASSE 6
8	CLASSE 8 ACIDE
9	CLASSE 8 AUTRES
10	
11	CLASSE 9
12	
13	
14	
15	

Tonnage total : 1 404 798 KG
*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Fafard.M

Approuvé par:

Capitaine :

Date :

QSL

340304
2025-08-25 00:00 - N/A
V251176

DESGAGNES BAKER LAKE - CLASS 9

Product	Identifier	Dimensions	Qty	Volume	Weight	Location	HAZ MAT
Vehicles - Self-Propelled (Passenger) OTHER-WITH ASSISTANCE	Bc: 94553, Desc: POLARIS ATV SPORTSMAN 570 TRAIL, PO: 25-02160-2-BAK	222 cm x 122 cm x 140 cm	1	3.7918 m³	0.377 MT	HatchTwinDeck3	Class 9/3166/P.G. III
Vehicles - Self-Propelled (Passenger) OTHER-WITH ASSISTANCE	Bc: 94554, Desc: YAMAHA MOTOR CANADA LTD MOTONEIGE, PO: 25-02160-2-BAK	335 cm x 122 cm x 140 cm	1	5.7218 m³	0.356 MT	HatchTwinDeck3	Class 9/3166/P.G. III
Vehicles - Self-Propelled (Passenger) PICK UP-NO ASSISTANCE	Bc: 94662, Desc: CHEVY COLORADO 2023 PO 233741, PO: 25-01433-3-BAK	540 cm x 220 cm x 200 cm	1	23.76 m³	2.241 MT	Deck2	Class 9/3166/P.G. III

(16) TWD #2 AFT X2

(17) Deck #2 FWD PS

SUBTOTAL QTY: 3 | SUBTOTAL VOLUME: 33.2736 m³ (1175.0461 cu.ft.) | 2.974 MT (6556.5477 lb)

TOTAL QTY: 15 | TOTAL VOLUME: 164.1054 m³ (5795.3275 cu.ft.) | 53.314 MT (117537.2505 lb)

Quantity: 98 | Volume: 3263.4963 m³ (115249 2842 cu.ft.) | 1638.866 MT (3613081.0578 lb)

Captain, First Officer / Mate or vessel authorized personnel:

QSL Canada inc. without prejudice:

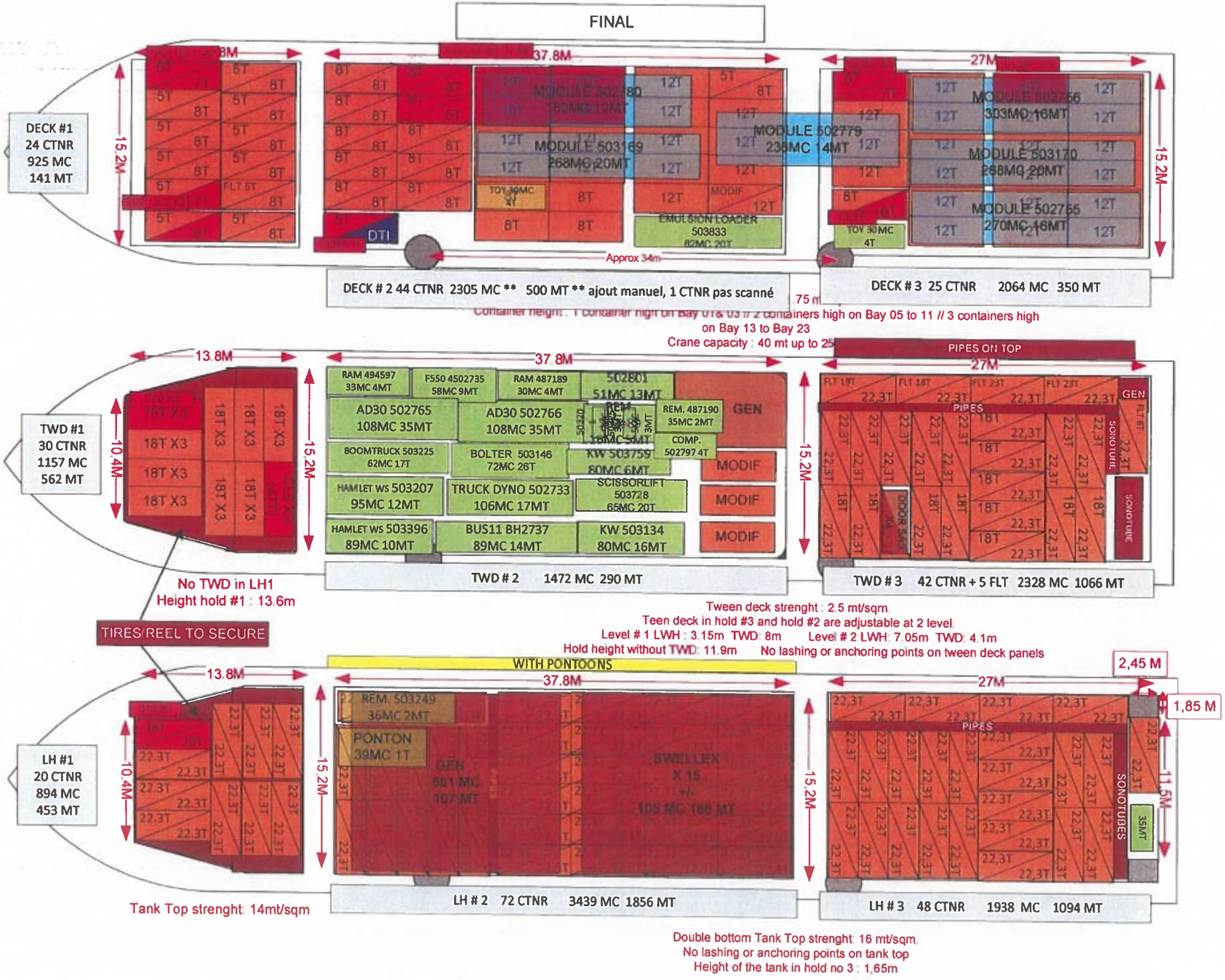
QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

2025-09-03 14:38

Acadia Desgagnés

- Commence loading: 2025-09-13
  Complete loading: 2025-09-17
  Voyage number :05726702
  ETD : 2025-09-17
  Departure: 2025-09-17 1600

FINAL



1 CTNR
2 MODULES
3 MACHINERIES/EQUIPEMENT
4
5 GÉNÉRAL CARGO
6 DANGEREUX
7 GEAR DTI
8
9
0
1
2
3
4
5

CTNR 20' TOTAL : 310
VOLUME TOTAL: 16 523 MC
TONNAGE TOTAL: 6 312 MT

Préparé par : Charlotte Falard-M

Approuvé par :

Capitaine : 17/09/25

Date :

QSL

342482
2025-09-10 00:00 - N/A
V251376

TOTAL QTY: 502	TOTAL VOLUME: 16483.7796 m³ (582119.182 cu.ft.)	6302.002 MT (13893536.1721 lb)

Quantity 502	Volume: 16483.7796 m³ (582119.182 cu.ft.)	6302.002 MT (13893536.1721 lb)

Captain, First Officer / Mate or vessel authorized personnel:

QSL Canada inc. without prejudice:

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

2025-09-17 10:09

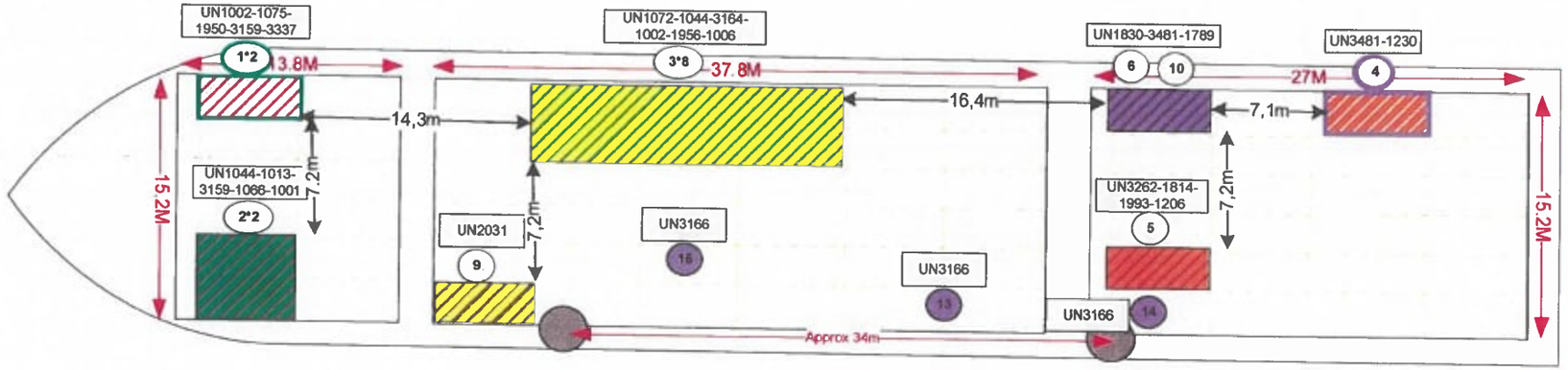
Acadia Desgagnés

Dangerous plan

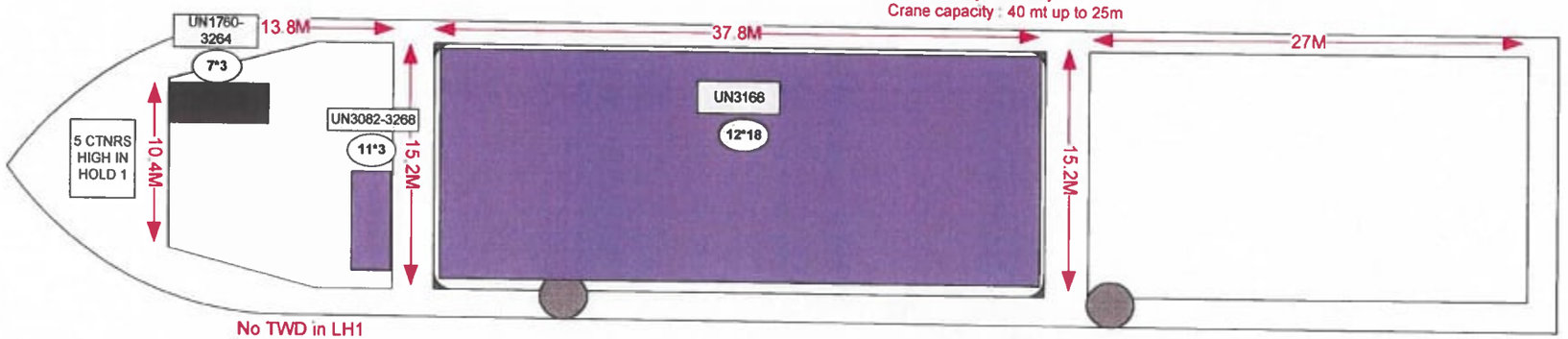
Commence loading: 2025-09-13
Complete loading:

Voyage number :05726702
ETD : 2025-09-17
Departure:2025-09-17 1600

1	CLASSE 1
2	CLASSE 2.1
3	CLASSE 2.2
4	CLASSE 3
5	CLASSE 4
6	CLASSE 5
7	CLASSE 6
8	CLASSE 8
9	CLASSE 8 AUTRES
10	
11	CLASSE 9
12	
13	
14	
15	



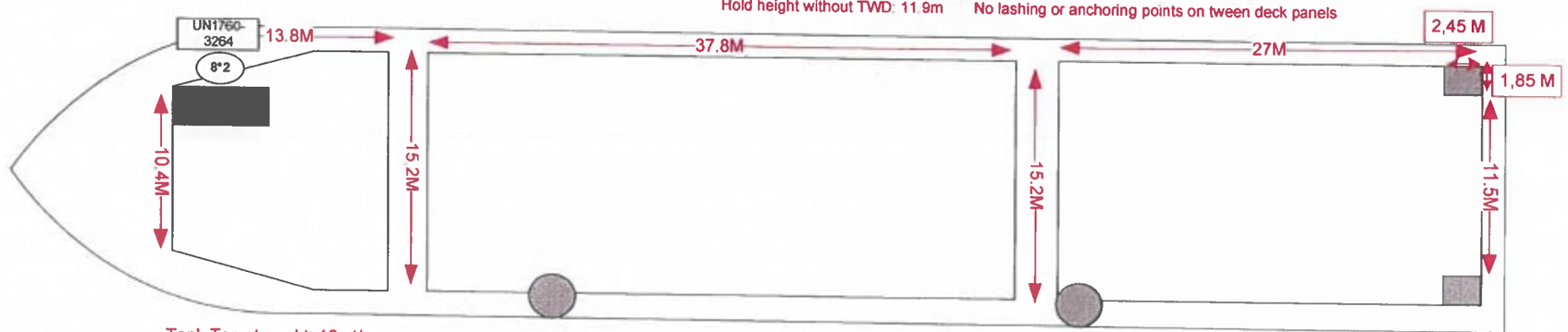
Hatch Cover Strenght : 1.75 mt/sqm
Container height : 1 container high on Bay 01& 03 // 2 containers high on Bay 05 to 11 // 3 containers high on Bay 13 to Bay 23
Crane capacity : 40 mt up to 25m



No TWD in LH1
Height hold #1 : 13.6m

Tween deck strenght : 2.5 mt/sqm
Teen deck in hold #3 and hold #2 are adjustable at 2 level
Level # 1 LWH : 3.15m TWD: 8m Level # 2 LWH: 7.05m TWD: 4.1m
Hold height without TWD: 11.9m No lashing or anchoring points on tween deck panels

TOTAL WEIGHT : 448 879 KG
*SEE SUMMARY FOR TOTAL BY CLASS



Tank Top strenght: 16mt/sqm

Double bottom Tank Top strenght: 16 mt/sqm
No lashing or anchoring points on tank top
Height of the tank in hold no 3 : 1,65m

Préparé par : Charlotte Farard-M.

Approuvé par: 13/09/25

Capitaine :

Date :

QSL

342482
2025-09-10 00:00 - N/A
V251376

MEADOWBANK-AEM-STOCK - CLASS 9

SUBTOTAL QTY: 24	SUBTOTAL VOLUME: 1404.315 m³ (49592.9146 cu.ft.)	318.662 MT (702529.4539 lb)
TOTAL QTY: 46	TOTAL VOLUME: 2252.4061 m³ (79542.9712 cu.ft.)	582.072 MT (1283249.0987 lb)

Quantity: 46 Volume: 2252.4061 m³ (79542.9712 cu.ft.) 582.072 MT (1283249.0987 lb)

Captain, First Officer / Mate or vessel authorized personnel:_____

QSL Canada inc. without prejudice:_____

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

2025-09-17 07:29

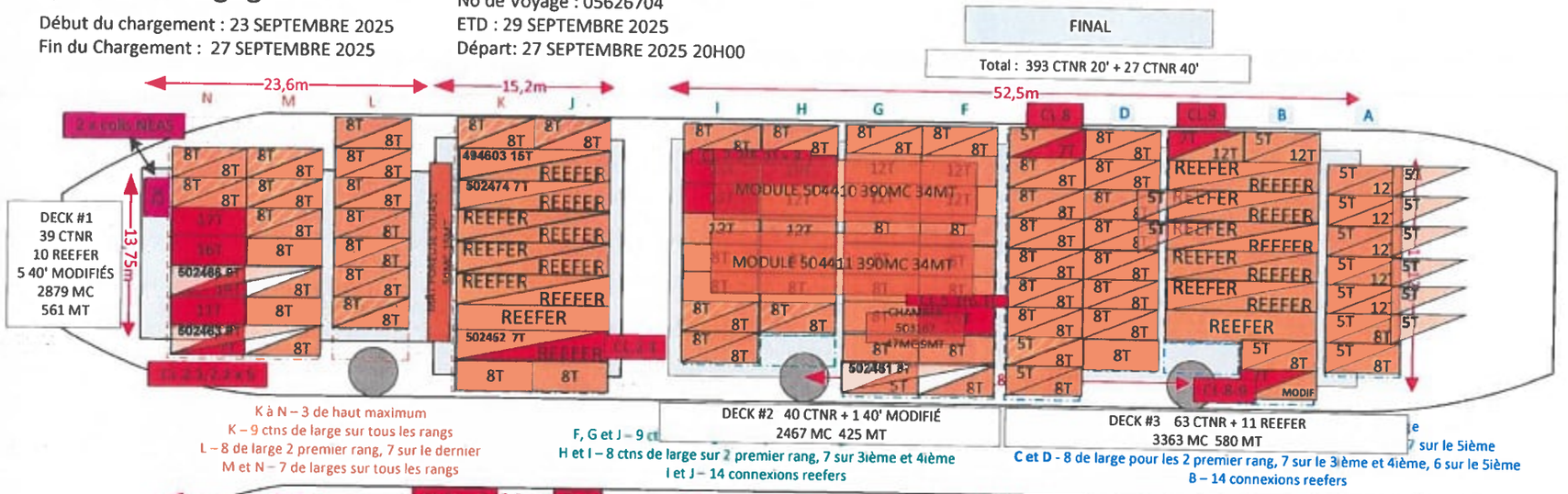
Nordika Desgagnés

Début du chargement : 23 SEPTEMBRE 2025
Fin du Chargement : 27 SEPTEMBRE 2025

No de Voyage : 05626704
ETD : 29 SEPTEMBRE 2025
Départ: 27 SEPTEMBRE 2025 20H00

FINAL

Total : 393 CTNR 20' + 27 CTNR 40'



K à N – 3 de haut maximum
K – 9 ctns de large sur tous les rangs
L – 8 de large 2 premier rang, 7 sur le dernier
M et N – 7 de larges sur tous les rangs

DECK #2 40 CTNR + 1 40' MODIFIÉ
2467 MC 425 MT

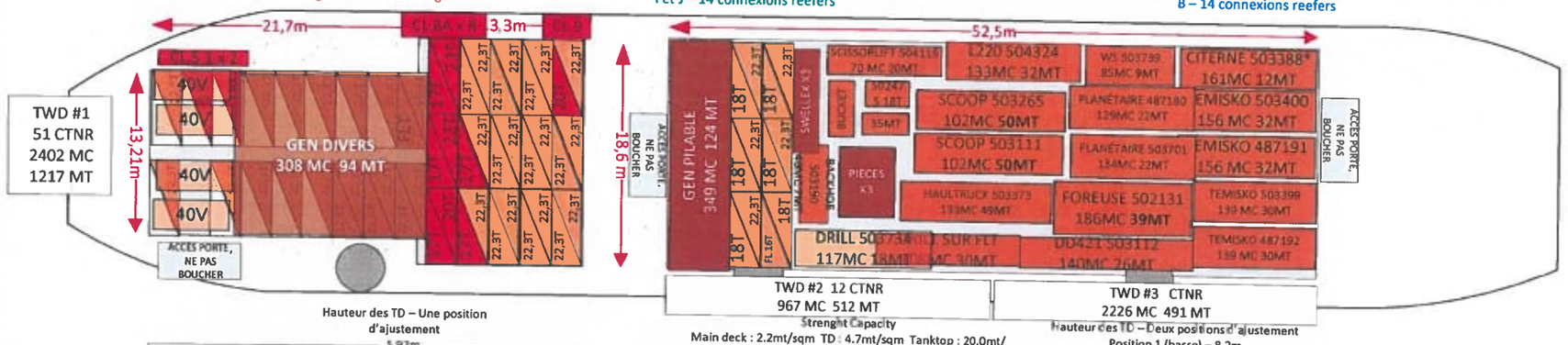
F, G et J – 9 ct

H et I – 8 ctns de large sur 2 premier rang, 7 sur 3ième et 4ième
I et J – 14 connexions reefers

DECK #3 63 CTNR + 11 REEFER
3363 MC 580 MT

e
7 sur le 5ième

C et D - 8 de large pour les 2 premier rang, 7 sur le 3ième et 4ième, 6 sur le 5ième
B – 14 connexions reefers



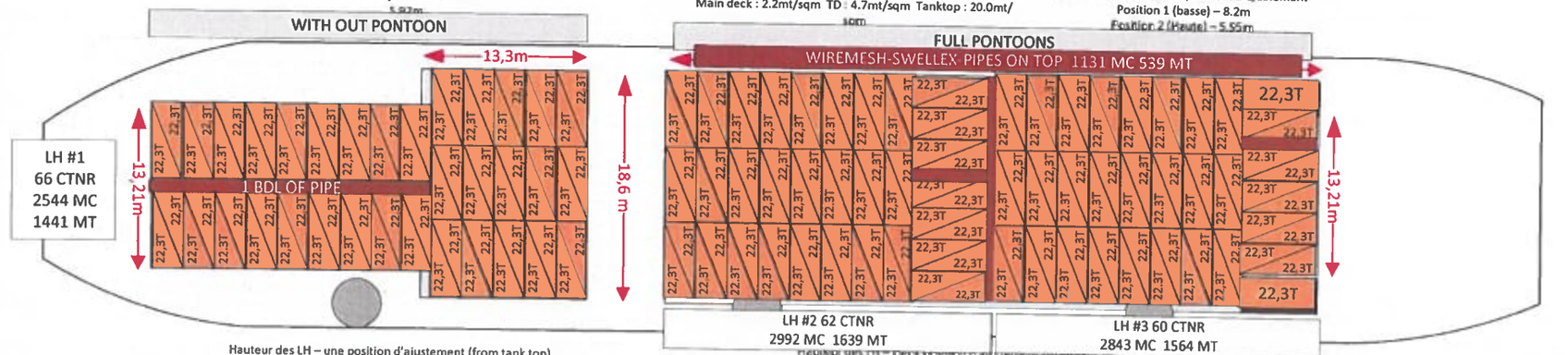
Hauteur des TD – Une position d'ajustement

TWD #2 12 CTNR
967 MC 512 MT

TWD #3 CTNR
2226 MC 491 MT

Strenght Capacity
Main deck : 2.2mt/sqm TD : 4.7mt/sqm Tanktop : 20.0mt/sqm

Hauteur des TD – Deux positions d'ajustement
Position 1 (basse) – 8.2m
Position 2 (Haute) – 5.55m



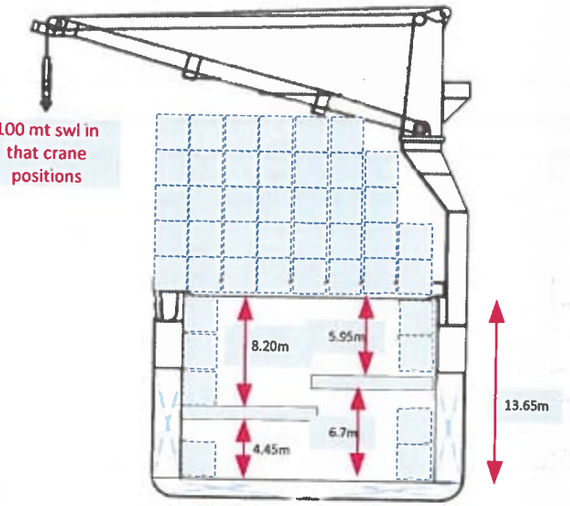
Hauteur des LH – une position d'ajustement (from tank top)
Partie Arrière – La plus large : 4.56m de hauteur
La plus étroite : 4.88 m de hauteur

LH #2 62 CTNR
2992 MC 1639 MT

LH #3 60 CTNR
2843 MC 1564 MT

Hauteur des LH – Deux position d'ajustement (from tank top)
Position 1 (basse) – 4.45m
Position 2 (haute) – 6.7m

Sans pontoons : 5 ctn de haut et reste 19" de loose



1 CTNR MEADOWBANK
2 GÉNÉRAL MEADOWBANK
3 ROULANT/ÉQUIPEMENT MEADOWBANK
4 DANGEREUX MEADOWBANK
5
6 CTNR MÉLIADINE
7 GÉNÉRAL MÉLIADINE
8 ROULANT/ÉQUIPEMENT MÉLIADINE
9 DANGEREUX MÉLIADINE
10
11 GEAR DTI
12
13 NSSI :1 MC

VOLUME MÉLIADINE: -
VOLUME MEADOW: 22 685 MC
VOLUME TOTAL: 22 686 MC
TONNAGE TOTAL: 8 431 MT

Préparé par : Charlotte Fafard.M
Approuvé par:
Capitaine :
Date :

QSL

343579
2025-09-22 00:00 - N/A
V251447

Port	Section
Port of Becancour	Becancour

Pro Forma HATCH LIST SUMMARY

NORDIKA DESGAGNES

Port of Discharge	Shipper	C/O	Consignee	Notify
BAKER LAKE, NUNAVUT	DESGAGNÉS TRANSARCTIK INC. N/A	N/A	DESGAGNÉS TRANSARCTIK INC. N/A	N/A

DESGAGNES BAKER LAKE

Location in vessel	Qty	Weight	Volume
Deck 1	2	0.594 MT (1309.5458 lb)	1.0496 m³ (37.0663 cu.ft.)
SUBTOTAL QTY: 2		SUBTOTAL VOLUME: 1.0496 m³ (37.0663 cu.ft.)	0.594 MT (1309.5458 lb)
TOTAL QTY: 2		TOTAL VOLUME: 1.0496 m³ (37.0663 cu.ft.)	0.594 MT (1309.5458 lb)

Quantity: 1016 | Volume: 22685.5483 m³ (801132.5762 cu.ft.) | 8431.233 MT (18587687.0019 lb)

Captain, First Officer / Mate or vessel authorized personnel: _____

QSL Canada inc. without prejudice: _____

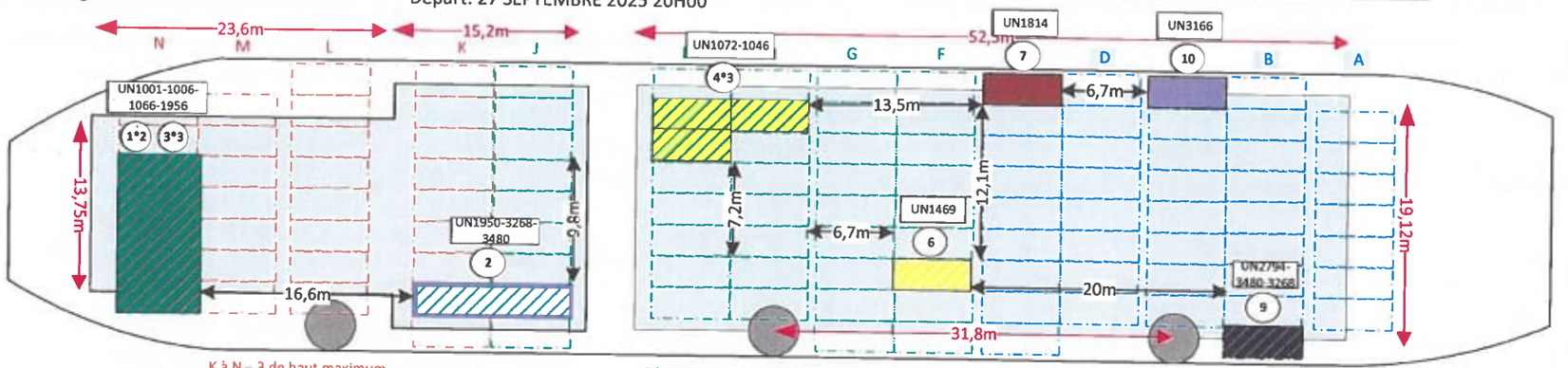
QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds

Nordika Desgagnés

Début du chargement : 23 SEPTEMBRE 2025
Fin du Chargement : 27 SEPTEMBRE 2025

No de Voyage : 05626704
ETD : 29 SEPTEMBRE 2025
Départ: 27 SEPTEMBRE 2025 20H00

Dangereux

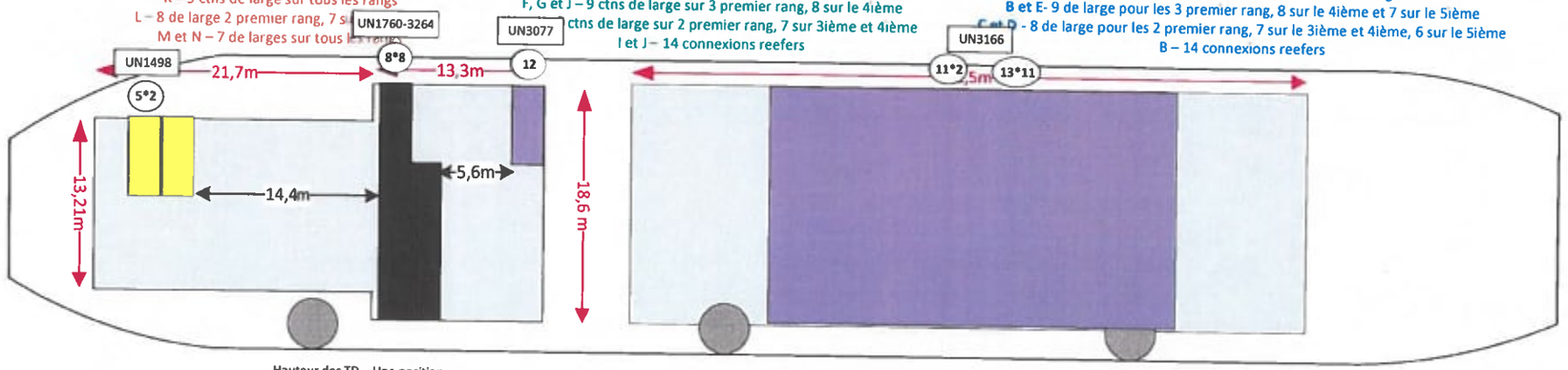


K à N – 3 de haut maximum
K – 9 ctns de large sur tous les rangs
L – 8 de large 2 premier rang, 7 s
M et N – 7 de larges sur tous l

F à J – 4 ctns de haut max
F, G et J – 9 ctns de large sur 3 premier rang, 8 sur le 4ième
ctns de large sur 2 premier rang, 7 sur 3ième et 4ième
I et J – 14 connexions reefers

A à E – 5 ctns de haut max
B et E- 9 de large pour les 3 premier rang, 8 sur le 4ième et 7 sur le 5ième
- 8 de large pour les 2 premier rang, 7 sur le 3ième et 4ième, 6 sur le 5ième
B – 14 connexions reefers

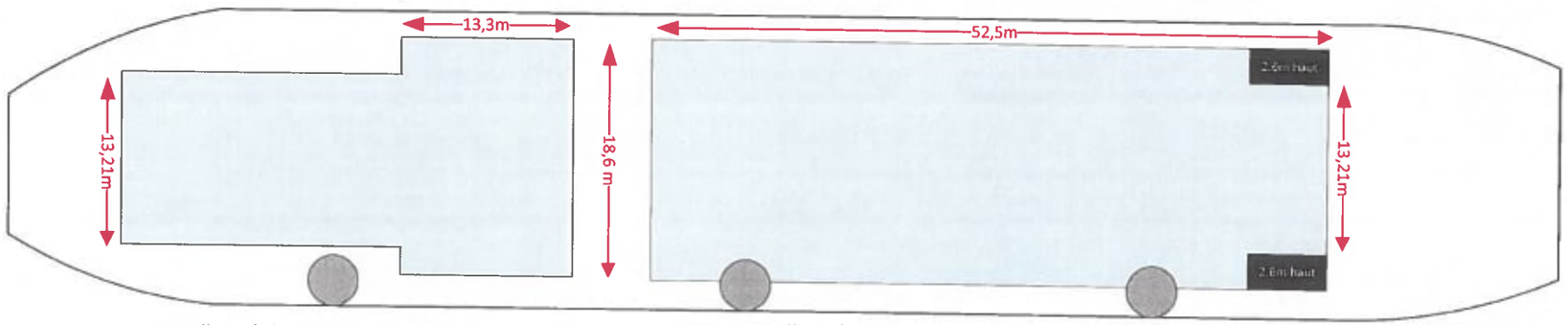
A - 7 de large



Hauteur des TD – Une position d'ajustement
5.92m

Strenght Capacity
Main deck : 2.2mt/sqm TD : 4.7mt/sqm Tanktop : 20.0mt/sqm

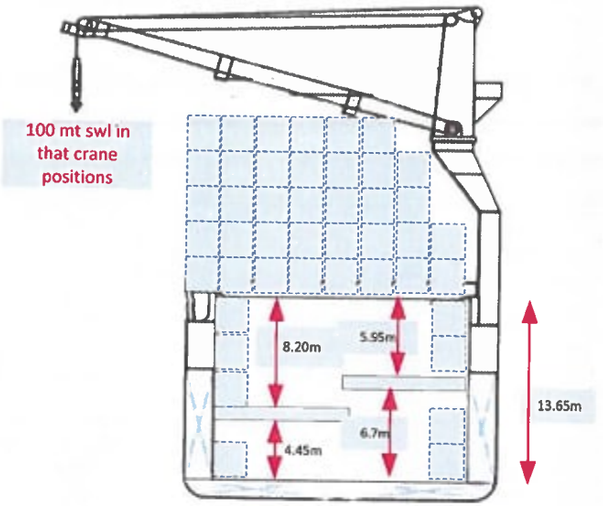
Hauteur des TD – Deux positions d'ajustement
Position 1 (basse) – 8.2m
Position 2 (Haute) – 5.95m



Hauteur des LH – une position d'ajustement (from tank top)
Partie Arrière – La plus large : 4.56m de hauteur
La plus étroite : 4.88 m de hauteur

Hauteur des LH – Deux position d'ajustement (from tank top)
Position 1 (basse) – 4.45m
Position 2 (haute) – 6.7m

Sans pontoons : 5 ctn de haut et reste 19'' de loose



1	CLASSE 1
2	CLASSE 2.1
3	CLASSE 2.2
4	CLASSE 3
5	CLASSE 4
6	CLASSE 5
7	CLASSE 6
8	CLASSE 8 ACIDE
9	CLASSE 8 AUTRES
10	
11	CLASSE 9
12	
13	
14	
15	POIDS TOTAL : 553 600,00 KG

*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Fafard.M

Approuvé par:

Capitaine :

Date :

QSL

343579
2025-09-22 00:00 - N/A
V251447

MEADOWBANK-AEM-STOCK - CLASS 9

Product	Identifier	Dimensions	Qty	Volume	Weight	Location	HAZ MAT
OTHER-NO ASSISTANCE							
	SUBTOTAL QTY: 15			SUBTOTAL VOLUME: 1599.4678 m³ (56484.6723 cu.ft.)	402.028 MT (886320.0234 lb)		
	TOTAL QTY: 37			TOTAL VOLUME: 2494.1458 m³ (88079.9284 cu.ft.)	734.505 MT (1619306.3389 lb)		

Quantity: 37 Volume: 2494.1458 m³ (88079.9284 cu.ft.) 734.505 MT (1619306.3389 lb)

Captain, First Officer / Mate or vessel authorized personnel:

QSL Canada inc. without prejudice:

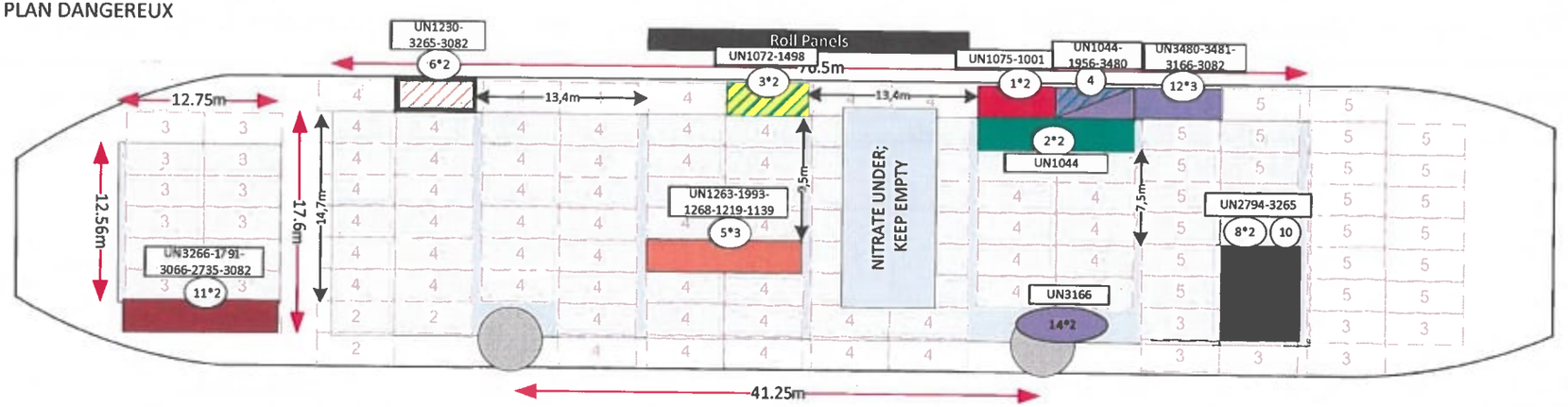
QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

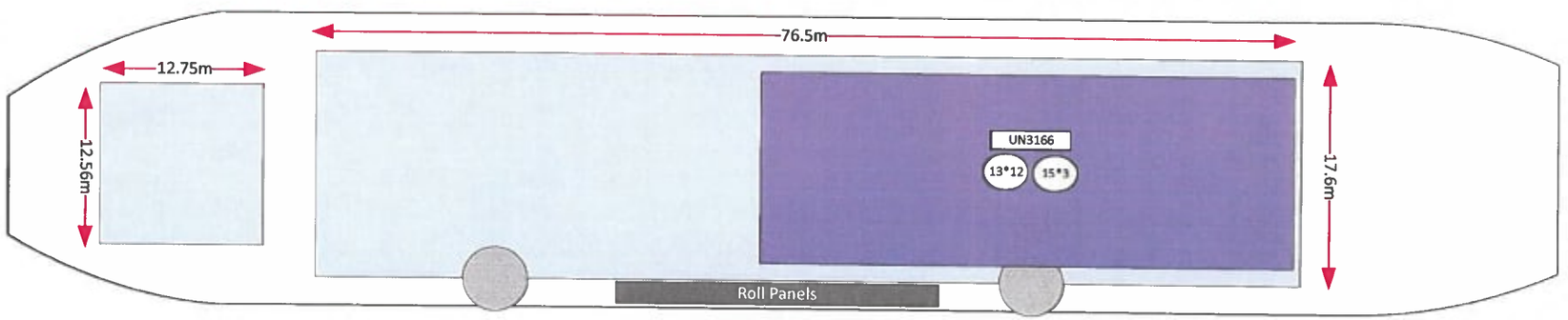
2025-09-27 09:30

Annette A. Desgagnés

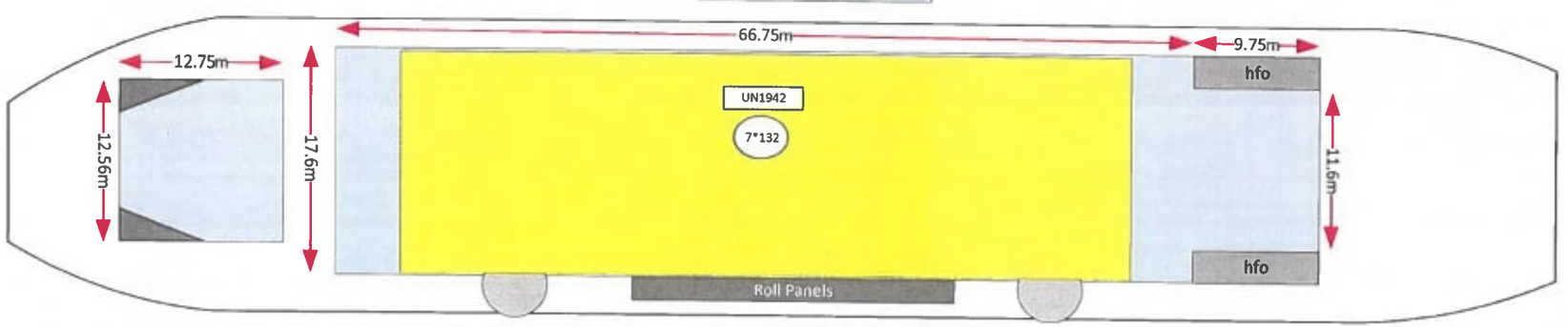
No de Voyage : 06326704

PLAN DANGEREUX





Hauteur totale du top tank au panneau de cale 11.7m



Pas d'ajustement dans la 1
LH : 5.0m (peux pas mettre deux conteneur de haut
TD : 5.4m

Hfo tank sur toute la hauteur du LH sur ajustement 1
Hauteur de l'ajustement
Position 1 LH : 5.5m TD 5.4m
Position 2 LH : 7.1M TD 3.8m

1	CLASSE 1
2	CLASSE 2.1
3	CLASSE 2.2
4	CLASSE 3
5	CLASSE 4
6	CLASSE 5
7	CLASSE 6
8	CLASSE 8
9	CLASSE 9
10	
11	
12	
13	
14	
15	

Tonnage total : 3 107 587,00 KG

*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Fafard.M.

Approuvé par:

Capitaine :

Date : 12/10/2025

QSL

345213
2025-10-07 00:00 - N/A
V251537

MELIADINE-AEM-STOCK - CLASS 9

Product	Identifier	Dimensions	Qty	Volume	Weight	Location	HAZ MAT
(Machinery) OTHER-NO ASSISTANCE							
	SUBTOTAL QTY: 22	SUBTOTAL VOLUME: 1773.8795 m³ (62643.9633 cu.ft.)			442.882 MT (976387.676 lb)		
	TOTAL QTY: 171	TOTAL VOLUME: 7517.7699 m³ (265487.5371 cu.ft.)			3561.8455 MT (7852525.1648 lb)		

Quantity: 171 Volume: 7517.7699 m³ (265487.5371 cu.ft.) 3561.8455 MT (7852525.1648 lb)

Captain, First Officer / Mate or vessel authorized personnel: _____

QSL Canada inc. without prejudice: _____

ANNETTE A DESGAGNÉS
IMO # 9735717

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

2025-10-12 12:24

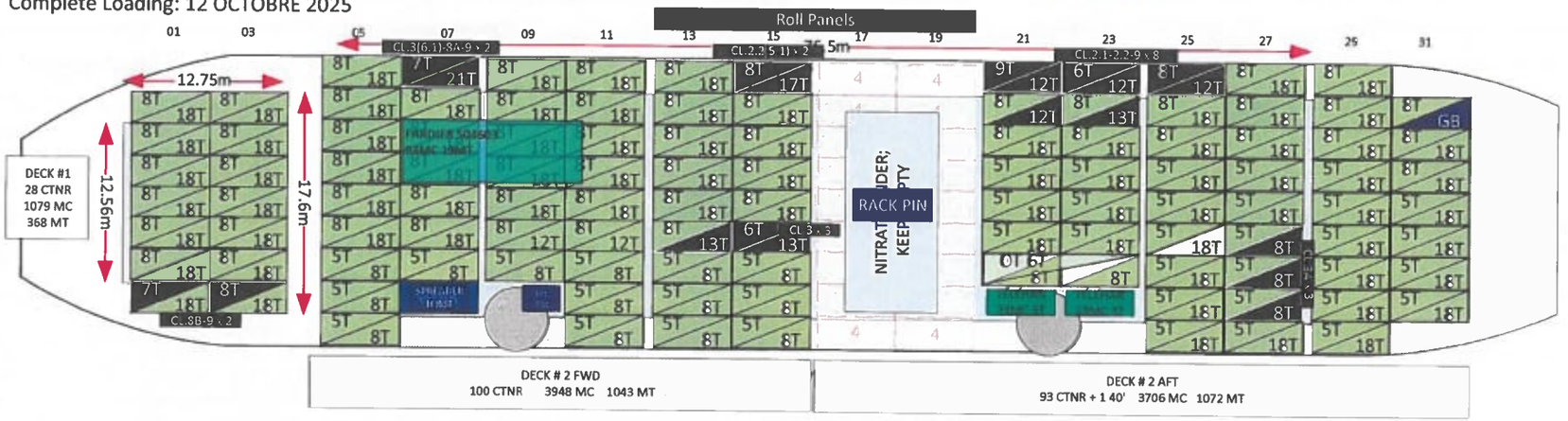
Annette A. Desgagnés

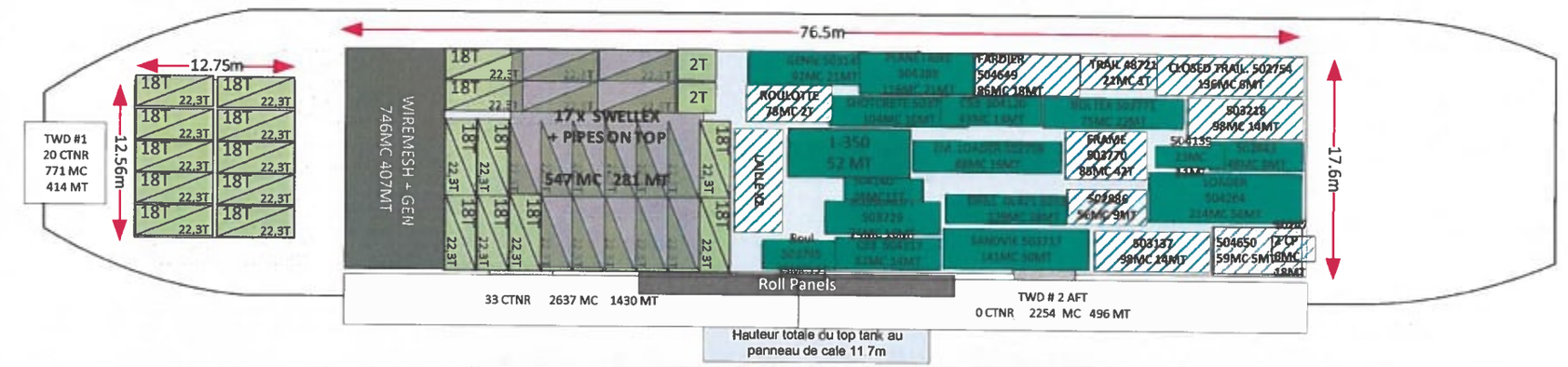
Commence Loading: 7 OCTOBRE 2025
Complete Loading: 12 OCTOBRE 2025

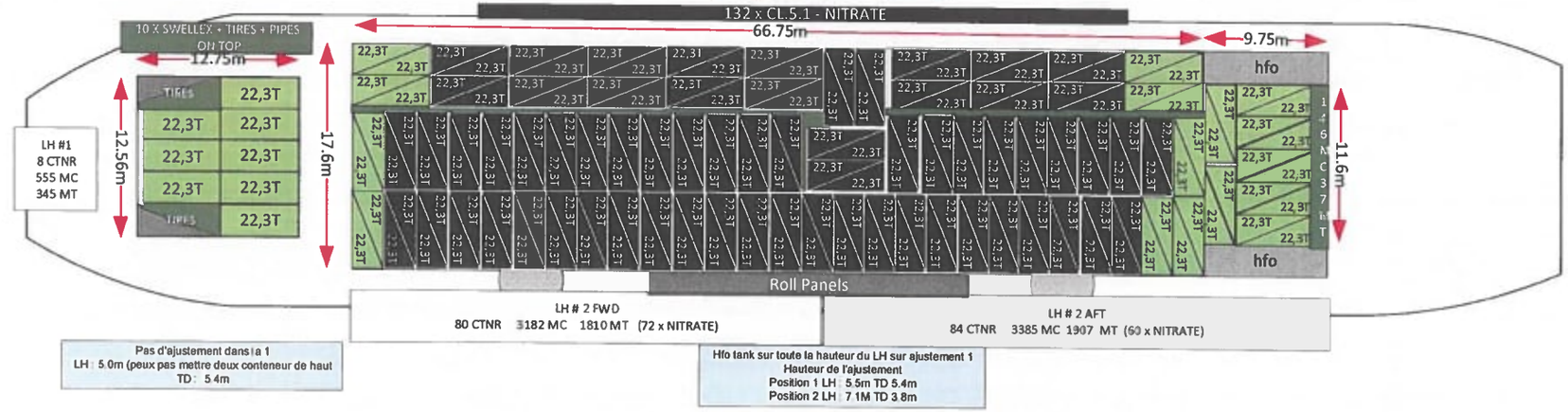
No de Voyage : 06326704
ETD : 12 OCTOBRE 2025
Départ: 13 OCTOBRE 2025 0600

FINAL

Total:
446 CTNR 20'
1 CTNR 40'







1 CTNR MEADOWBANK
2 GÉNÉRAL MEADOWBANK
3 ROULANT/ÉQUIPEMENT MEADOWBANK
4 DANGEREUX MEADOWBANK
5
6 CTNR MÉLIADINE
7 GÉNÉRAL MÉLIADINE
8 ROULANT/ÉQUIPEMENT MÉLIADINE
9 DANGEREUX MÉLIADINE
10
11 GEAR DTI
12
13 NSSI

VOLUME MÉLIADINE: 21 516 MC
VOLUME MEADOW: -
VOLUME TOTAL: 21 516 MC
TONNAGE TOTAL: 8 885 MT

Préparé par : Charlotte Fafard.M.

Approuvé par:

Capitaine :

Date : 12/10/2025

ANNETTE A. DESGAGNÉS
IMO # 9736212
MASTER

QSL

345213
2025-10-07 00:00 - N/A
V251537

TOTAL QTY: 958	TOTAL VOLUME: 21516.1425 m³ (759835.4015 cu.ft.)	8885.4325 MT (19589025.4944 lb)

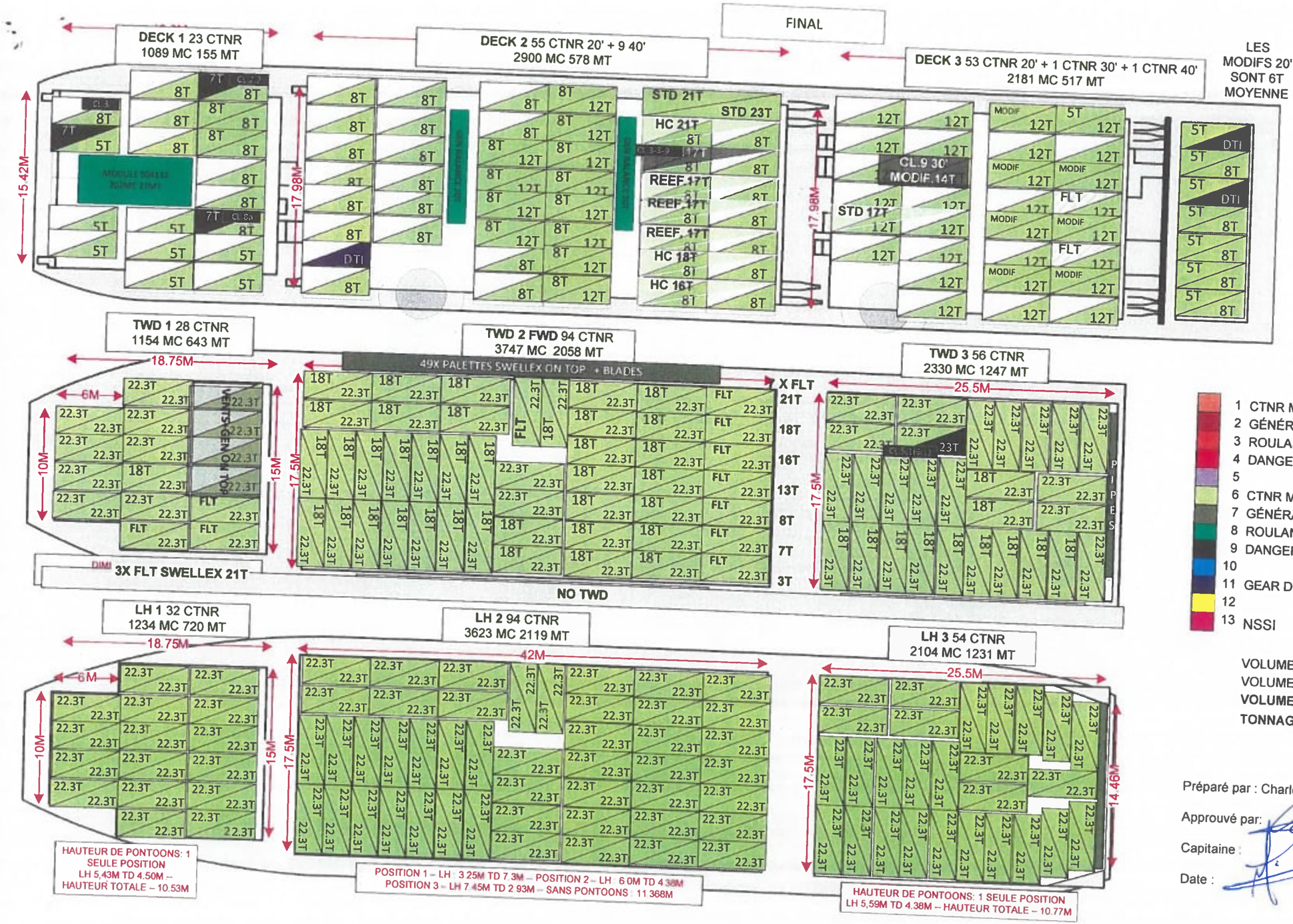
Quantity: 958	Volume: 21516.1425 m³ (759835.4015 cu.ft.)	8885.4325 MT (19589025.4944 lb)

Captain, First Officer / Mate or vessel authorized personnel:

QSL Canada inc. without prejudice:

ANNETTE A.DESGAGNES
IMO # 9736212
MASTER

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.



SEDNA DESGAGNÉS

Début du chargement : 11-10-202

Fin du chargement : 15-10-2025

Numéro de voyage : 045-26-704

ETD : 16-10-2025

Départ : 16-10-2025

TOTAL:
489 CTNR 20'
10 CTNR 40'

1 CTNR MEADOWBANK
2 GÉNÉRAL MEADOWBANK
3 ROULANT/ÉQUIPEMENT MEADOWBANK
4 DANGEREUX MEADOWBANK
5
6 CTNR MÉLIADINE
7 GÉNÉRAL MÉLIADINE
8 ROULANT/ÉQUIPEMENT MÉLIADINE
9 DANGEREUX MÉLIADINE
10
11 GEAR DTI
12
13 NSSI

VOLUME MÉLIADINE: 20 364 MC
VOLUME MEADOW: -
VOLUME TOTAL: 20 364 MC
TONNAGE TOTAL: 9 271 MT

Préparé par : Charlotte Lafard-Morrissette

Approuvé par:

Capitaine :

Date : 15/10/25

QSL

345928
2025-10-11 00:00 - N/A
V251535

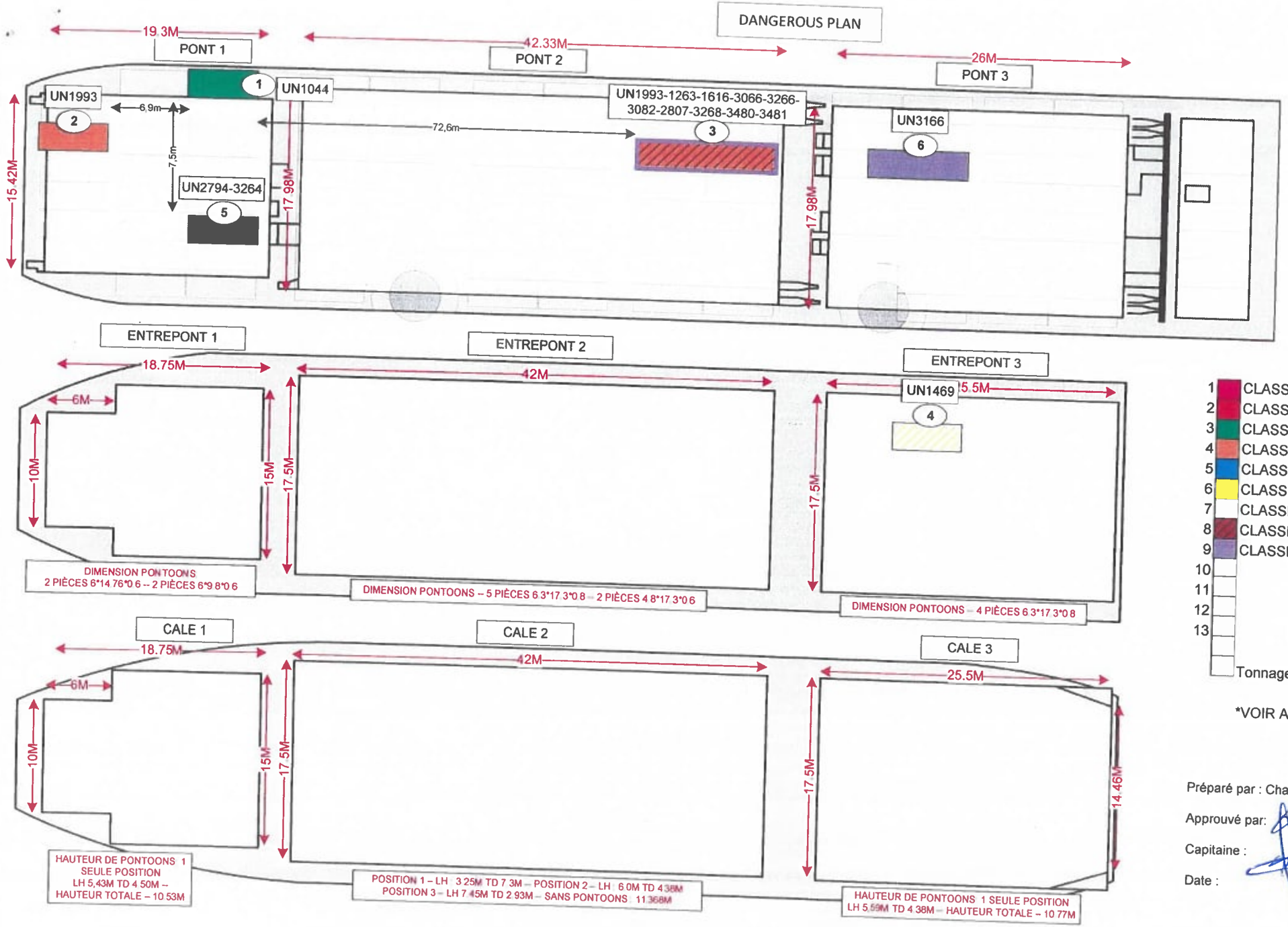
TOTAL QTY: 597	TOTAL VOLUME: 20363.6207 m³ (719134.4776 cu.ft.)	9271.428 MT (20439999.9056 lb)

Quantity: 597	Volume: 20363.6207 m³ (719134.4776 cu.ft.)	9271.428 MT (20439999.9056 lb)

Captain, First Officer / Mate or vessel authorized personnel: _____

QSL Canada inc. without prejudice: _____

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.



SEDNA DESGAGNÉS

Début du chargement : 11-10-202

Fin du chargement : 15-10-2025

Numéro de voyage : 045-26-704

ETD : 16-10-2025

Départ : 16-10-2025

1	CLASSE 1
2	CLASSE 2.1
3	CLASSE 2.2
4	CLASSE 3
5	CLASSE 4
6	CLASSE 5
7	CLASSE 6
8	CLASSE 8
9	CLASSE 9
10	
11	
12	
13	

Tonnage total : 34 210,00 KG

*VOIR ANNEXE POUR TOTAUX PAR CLASSE

Préparé par : Charlotte Fafard-Morrissette

Approuvé par:

Capitaine :

Date : 11/10/25

QSL

345928
2025-10-11 00:00 - N/A
V251535

MELIADINE-AEM-STOCK - CLASS 9

Product	Identifier	Dimensions	Qty	Volume	Weight	Location	HAZ MAT
Northern Cargo MODIFIED CONTAINER	Bc: 504601, Desc: CONTENEUR MODIFIE 30 PIEDS TOROMONT SE PREND AU STACKER	622 cm x 269 cm x 259 cm	1	43.3354 m³	14.3 MT	Deck3	Class 9/3166/P.G. III

(6) Deck #3 MID

SUBTOTAL QTY: 1 | SUBTOTAL VOLUME: 43.3354 m³ (1530.3752 cu.ft.) | 14.3 MT (31526.1035 lb)

TOTAL QTY: 6 | TOTAL VOLUME: 282.6703 m³ (9982.406 cu.ft.) | 75.548 MT (166554.8298 lb)

Quantity: 6 | Volume: 282.6703 m³ (9982.406 cu.ft.) | 75.548 MT (166554.8298 lb)

Captain, First Officer / Mate or vessel authorized personnel: _____

QSL Canada inc. without prejudice: _____

QSL Canada visually inspected the parcels before loading them on board to prevent them from holding soils that could contain plant seeds of invasive breeds.

2025-10-15 09:50

APPENDIX D

CESS Non-Native and Invasive Species in Nunavut

Non-Native & Invasive species *In Nunavut*

In 2010 the Canadian Endangered Species Conservation Council (CESCC) identified 17 species not normally found in Nunavut.

These are called "non-native species". Some of these plants and animals can become an "invasive species", which represents a potential major concern for the future health of the Arctic.

What is a non-native species?

A non-native species is defined as an organism that is not normally found in a region. They are introduced by human activities, which can be intentional (e.g. species introduced to control a pest species), accidental (e.g. shipping and ballast water exchange), or environmental (e.g. changes in climate leading to wildlife movements). An example of a non-native species in Nunavut is the European Starling *(Sturnus vulgaris)*, which was introduced to North America from Europe intentionally by humans.

What is an invasive species?

Not all non-native species are considered invasive. This term is reserved for species that do so well in their new habitat that they end up causing harm to the environment, other species, human health, or economic activity (ISAC, 2006). An example of an invasive species in southern Canada is the Zebra Mussel *(Dreissena polymorpha)*, which was introduced to North America by ships releasing their ballast water. The Zebra mussel reproduces quickly and establishes large colonies on any hard surface. In this way they take over habitat occupied by native species, reducing the availability of food for other species, and also attaching themselves in great numbers to boats and other infrastructure in the water. (Benson and Raikow, 2010).

Why should you be concerned about invasive species?

When invasive species are introduced and survive, their populations can increase rapidly because there are no natural predators. Invasive species may feed on native species, compete for food and space, as well as expose native species to new parasites and disease. Invasive species are now widely recognized as a leading cause of endangerment and/or extinction of native species (Lassuy and Lewis, 2010).

* *There are currently no known species in Nunavut that can be classified as aquatic or terrestrial invasive species.*


Sokol 2005

Species: Field Sow Thistle *(Sonchus arvensis)*

Impact: The Field Sow Thistle grows quickly, easily and when there are many of them they can reduce the water resources available to other plants. They have the potential to decrease native plant diversity by competing for space and water.

Introduction pathway: Accidently introduced from Europe into North America in a containment of agricultural crop seed. This plant has been able to spread long distances across Canada because the seeds can travel far in the wind.


Sokol 2005

Species: The European Starling *(Sturnus vulgaris)*

Impact: The European Starling can displace native bird species by taking over nesting sites and competing for food.

Introduction pathway: Introduced intentionally to North America from Europe. These birds then dispersed naturally into Canada through migration.

How might invasive species get into Nunavut?

Species are transported throughout the world by human activities, like shipping, which allows species to move further distances and over barriers that they could not do on their own. Nunavut remains very remote compared to the rest of Canada and so the lack of major road systems, infrequent shipping and cold climate has limited their introduction and survival.

However, as climate change alters Arctic ecosystems, it creates conditions that are more favorable to the survival and reproduction of non-native species. It also enables greater human activity and development, which gives potential invasive species more opportunities to establish themselves. (Lassuy and Lewis, 2010).

Pathways of introduction for invasive species into Nunavut


MacGregor 2009

Hull fouling occurs when organisms attach themselves to the outside of a ship's hull where they can then be transported around the world.

* Ballast water exchange and hull fouling have the greatest potential for introducing invasive species into the aquatic ecosystems of Nunavut. Ballast water is used to stabilize ships. It is pumped aboard ships from different ports around the world and often exchanged far from the region it was obtained. This water can contain species that are not native, and may establish themselves locally.

* Seeds, insects and even small mammals can be transported around the world through the shipping of grocery produce, lumber, construction supplies, and packing materials, even dirt from someone's footwear can contain plant seeds (IASC, 2010).


Dorchet 2012

The Migratory Grasshopper *(Melanoplus sanguinipes)* is a winged insect that is widely distributed across Canada and is one example of a species that may expand its range into Nunavut.

* As climate continues to change in the Arctic, many terrestrial and aquatic plants and animals will move further north looking for the food and habitat they desire. These wildlife movements are not a threat when it comes to invasive species, but it is important to note that some species, (especially rare or threatened ones) may not survive the transition. Others may do well, like flying insects, which are already increasing in number in some areas of Nunavut. (IASC, 2010).

Wildlife movements are often referred to as "range extensions" where a species expands the area they can live in when the habitat and climate is favorable for them.

How can you help?

Report

Have you seen a different plant, animal or insect in Nunavut?

You help identifying these species is important. Report the **location** where you observed the species (GPS Coordinates are very helpful) and provide a **detailed description** of the plant, animal, or insect. If possible **take a photo**.

Remember that not all non-native species are considered invasive. If you see an unknown plant or animal, it is very important to report it.

Do not take any extreme actions; the first step is reporting the species so that territorial and federal agencies can respond appropriately. We will report our findings back to you and information about the species you have observed.

Share

Keep yourself informed and educate others about non-native and invasive species. Let them know what to do if they see an unknown or uncommon species.

Report a species to your local Conservation Officer.

For More Information or if your CO is not available please contact:

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Department of Environment,
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: kimberly.howland@dfo-mpo.gc.ca

This project was undertaken with the financial support of:
Environment Canada / Environnement Canada

Non-Native Species in Nunavut

As of 2011, there are 17 species known to be non-native in Nunavut, these are listed below and are all terrestrial species. Please note that it is not currently known what the potential is for any of these species to become invasive and to what extent. Two species, the starling and the sow thistle are described in more detail below.

SCIENTIFIC NAME	COMMON NAME		ORGANISM TYPE
Carum carvi	**Wild Caraway**	Cliffe, 2009	Flowering Plant
Taraxacum officinale	**Common Dandelion**	Wilson, 2009	Flowering Plant
Sonchus arvensis	**Field Sow Thistle**	Sokol, 2005	Flowering Plant
Leucanthemum vulgare	**Oxeye Daisy**	Wilson, 2009	Flowering Plant
Thlaspi arvense	**Field Pennycress**	Symmons, 2009	Flowering Plant
Capsella bursa-pastoris	**Shepherd's Purse**	Gray-Miller, 2009	Flowering Plant
Barbarea vulgaris	**Yellow Rocket**	Mitchell, 2009	Flowering Plant
Amaranthus retroflexus	**Green Amaranth**	Pilney, 2009	Flowering Plant
Hordeum vulgare	**Common Barley**	Mitchell, 2009	Flowering Plant
Puccinellia distans	**Spreading Alkali Grass**	Pilney, 2009	Flowering Plant
Vicia cracca	**Tufted Vetch**	Cliffe, 2009	Flowering Plant
Papaver somniferum	**Opium Poppy**	Anonymous, 2009	Flowering Plant
Plantago major	**Common Plantain**	Pilney, 2009	Flowering Plant
Polygonum aviculare	**Prostrate Knotweed**	Pilney, 2009	Flowering Plant
Pieris rapae	**Cabbage White**	Hall & Jepson	Butterfly
Sturnus vulgaris	**European Starling**	Sokol, 2005	Passerine Bird
Passer domesticus	**House Sparrow**	Mahaffey, 2009	Passerine Bird

*Species photo references available upon request. Images are not to scale.

Potential Invasive Species in Nunavut

As trade and shipping continues to increase, some aquatic invasive species known to commonly foul ship hulls and ballast waters, like the Chinese Mitten Crab, are more likely to arrive at ports around Nunavut.

A recent report commissioned by Fisheries and Oceans Canada identified a number of potential aquatic invasive species, mainly for the Hudson Bay region. The table below lists only those species considered as "High Risk" to Nunavut and they are found in freshwater & marine environments.

SCIENTIFIC NAME	COMMON NAME		ORGANISM TYPE
Osmerus mordax	**Rainbow Smelt**	NOAA.GOV	Fish
Gymnocephalus cernuus	**Ruffe**	Elton, 2005	Fish
Caprella mutica	**Skeleton Shrimp**	Pinkerneil at www	Crustacean
Chelicorophium curvispinum	Data unavailable	Invasi.gov.pl	Crustacean
Dikerogammarus villosus	**Killer Shrimp**	Hillenbrand, 2005	Crustacean
Gmelinoides fasciatus	Data unavailable	photolight.ru	Crustacean
Pontogammarus robustoides	Data unavailable	biodiversity.ru.org	Crustacean
Eriocheir sinensis	**Chinese Mitten Crab**	Elton, 2005	Crustacean
Hemimysis anomala	Data unavailable	Pinkerneil, 2005	Crustacean
Balanus improvisus	**Acorn Barnacle**	Elton, 2005	Crustacean
Corbicula fluminea	**Asian Clam**	Invasivesi.com	Mollusc
Dreissena bugensi	**Quagga Mussel**	CWS.org	Mollusc
Bythotrephes longimanus	**Spiny Water Flea**	Mcnitt, 2005	Zooplankton
Cercopagis pengo	**Fishhook Water Flea**	Mordukhai & Mcnitt	Zooplankton
Eubosmina maritima	Data unavailable	www.invasivesonline.ca	Zooplankton
Marenzelleria cf. viridis	Data unavailable	R.J.B. Jarrell	Worm
Marenzelleria cf. wireni	Data unavailable	greenmuseum.org	Worm
Cordylophora caspia	**Freshwater Hydroid**	Cohen, 2005	Hydrozoa
Coscinodiscus wailesii	Data unavailable	A.M.V., 2006	Phytoplankton
Odontella sinensi	Data unavailable	Unspec, 2005	Phytoplankton
Prorocentrum minimum	Data unavailable	Matthew, 2002	Phytoplankton
Codium fragile ssp. tomentosoides	**Oyster Thief**	Endrony, M.D.	Algae
Glugea hertwigi	Data unavailable	Kilgallen, K.	Protozoa
Amphilina foliacea	Data unavailable	Mackiewicz, M. 1972	Parasite

*Species photo references available upon request. Images are not to scale.

APPENDIX E

Bird Surveys and PRISM Plots Summary, 2025



MELIADINE GOLD MINE PROJECT

FINAL REPORT v3

2025 SHORELINE WATERBIRD SURVEYS AND PRISM PLOT SUMMARY REPORT

Prepared By: Nunavut Environmental Consulting Ltd.

Prepared For: Agnico Eagle Mines Ltd.

09 FEBRUARY 2026

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SECTION 1 • OVERVIEW

The Agnico Eagle Mines Limited (Agnico Eagle) Meliadine Gold Mine (the Mine) received a Project Certificate (No. 006) from the Nunavut Impact Review Board (NIRB) in February 2015, which was amended in February 2019 (Amendment No. 001) and March 2022 (Amendment No. 002). A Terrestrial Environment Management and Monitoring Plan (TEMMP) for the Mine was prepared for submission with the Project Final Environmental Impact Statement (FEIS) and forms a component of the documentation series produced in accordance with the Project Terms and Conditions. The TEMMP was updated and submitted to the NIRB in March 2025 (TEMMP Version 5; Agnico Eagle 2025).

This report addresses the requirements of Terms and Conditions 59, 61, 62, 71, 72, and 74 from the NIRB Project Certificate (No. 006). It summarizes results of bird studies, including the Program for Regional and International Shorebird Monitoring (PRISM) plot surveys and waterbird shoreline surveys, as per the TEMMP, Version 5.

Five (5) PRISM plots (i.e., non-standard irregular-shaped plots) initially established by Nuqsana Golder [now WSP] in 2018 and 2019 (Nuqsana Golder 2020) were completed in 2025, as were waterbird shoreline surveys. Bird nest monitoring was conducted at the Mine site between May and August 2025 in support of ongoing construction and mining activities.

In 2026, PRISM plot, waterbird shoreline, and pre-clearance bird nest surveys will continue during the summer, subject to environmental constraints including severe weather and Caribou movements.

SECTION 2 • OBJECTIVES

The primary objectives of this report are to:

1) Provide a brief overview of the Meliadine Gold Mine and the rationale for breeding bird surveys;
2) Describe the methods used to conduct the PRISM plots, waterbird shoreline surveys, and pre-clearance bird nest monitoring;
3) Summarize results of the 2025 bird surveys; and
4) Make recommendations for surveys in subsequent years.

SECTION 3 • METHODOLOGY

3.1 PRISM PLOTS

The PRISM, which has been implemented in Canada and the United States (Bart et al. 2005), has well defined survey protocols (Rausch and Clyde 2022; Rausch, unknown date; see **Appendix I**). All PRISM plot surveys conducted by Agnico Eagle are a contribution to ECCC's long-term monitoring program and dataset.

Twenty-six (26) plots, which are mostly of irregular shape and size (i.e., haphazard quadrilaterals), were initially established by Nuqsana Golder Engineering and Environmental Inc. (now WSP Inc.; Nuqsana Golder 2020). Details on the PRISM surveys conducted by Nuqsana Golder in 2018 and 2019 were reported in the 2019 Terrestrial Effects Monitoring and Mitigation Program Annual Report (Nuqsana Golder 2020), which was included in Appendix H-7 of the 2019 Meliadine Annual Report. Twelve (12) additional PRISM plots, which followed ECCC standard size protocols (i.e., 300 x 400 m; Rausch and Clyde 2022), were established by Nunavut Environmental Consulting Ltd. (Nunavut Environmental) in 2024 using the southwest corner of the non-standard Nuqsana Golder plots and extending north and east (**Figure 3.1**).

To direct survey efforts of Agnico Eagle in 2024, ECCC selected 12 of the Nuqsana Golder plots. These plots and 12 plots established by Nunavut Environmental were surveyed in 2024 for a total of 24 completed PRISM plots (**Figure 3.1**). In 2025, only five (5) Nuqsana Golder PRISM plots could be accessed and surveyed due to Caribou presence in the study area (**Table 3.1**). Four (4) of these five (5) PRISM plots were also surveyed in 2024 (**Figure 3.1**).

The PRISM plots were surveyed by a team of two field qualified personnel that transected the plot. Team members were spaced 25 m apart and used geolocation to orient along transect lines. The purpose of the surveys was to document all birds (i.e., absolute abundance) occurring on the plots, determine breeding status, and record habitat conditions.

The PRISM survey results are provided to ECCC Canadian Wildlife Service (CWS) technical experts and the CWS Environmental Assessment Officer. Survey results include bird and plot habitat data, and digital scans of all field data sheets.

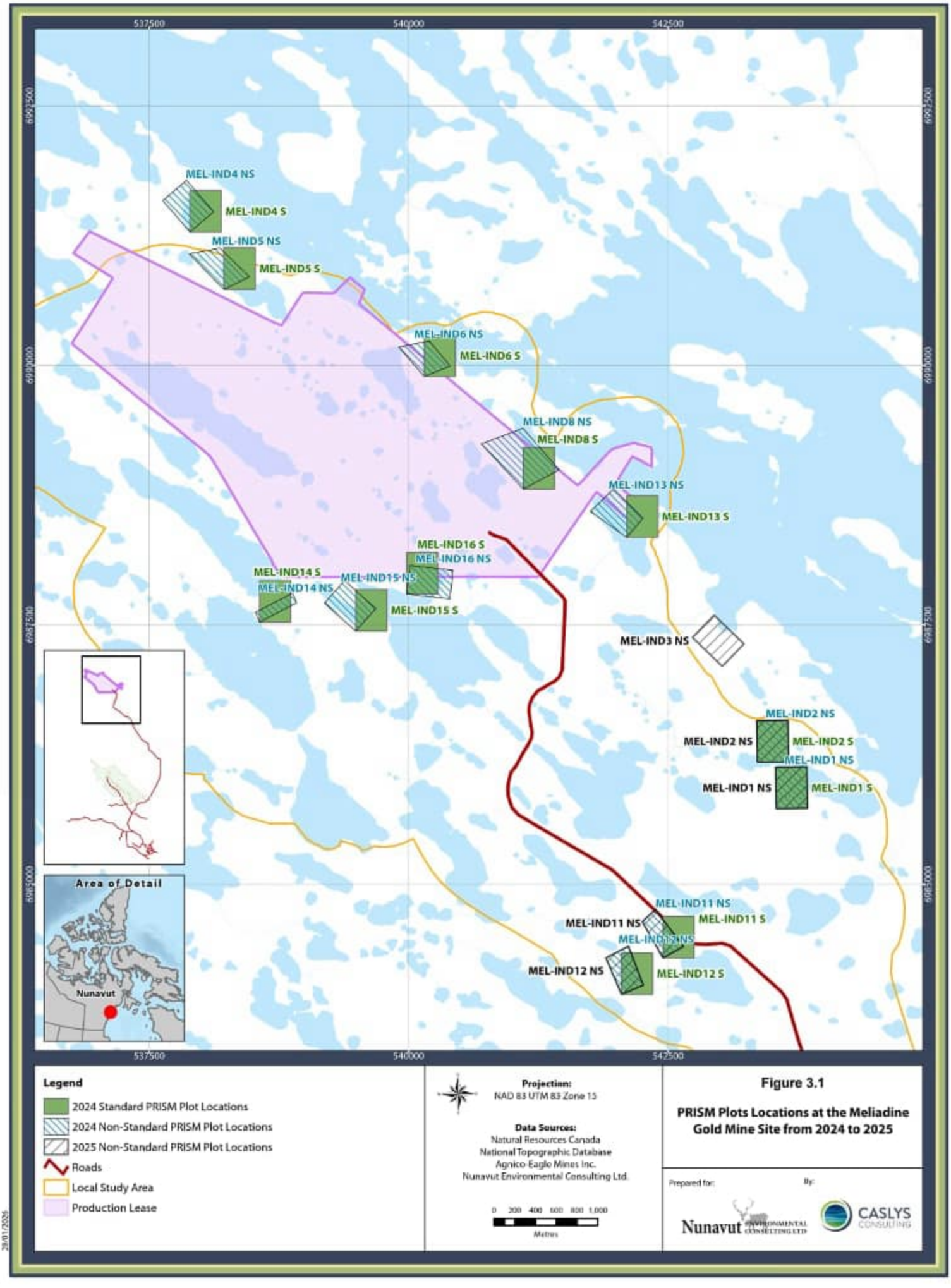

537500
540000
542500
6992500
6990000
6987500
6985000
MEL-IND4 NS
MEL-IND4 S
MEL-IND5 NS
MEL-IND5 S
MEL-IND6 NS
MEL-IND6 S
MEL-IND8 NS
MEL-IND8 S
MEL-IND13 NS
MEL-IND13 S
MEL-IND16 S
MEL-IND16 NS
MEL-IND14 S
MEL-IND15 NS
MEL-IND14 NS
MEL-IND15 S
MEL-IND3 NS
MEL-IND2 NS
MEL-IND2 NS
MEL-IND2 S
MEL-IND1 NS
MEL-IND1 NS
MEL-IND1 S
MEL-IND11 NS
MEL-IND11 NS
MEL-IND11 S
MEL-IND12 NS
MEL-IND12 S
Area of Detail
Nunavut
Legend
2024 Standard PRISM Plot Locations
2024 Non-Standard PRISM Plot Locations
2025 Non-Standard PRISM Plot Locations
Roads
Local Study Area
Production Lease
Projection:
NAD 83 UTM 83 Zone 15
Data Sources:
Natural Resources Canada
National Topographic Database
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
0 200 400 600 800 1,000
Metres
Figure 3.1
PRISM Plots Locations at the Meliadine Gold Mine Site from 2024 to 2025
Prepared for:
By:
Nunavut Environmental Consulting Ltd
CASLYS CONSULTING
29/01/2025

Table 3.1: UTM Coordinates of PRISM Plots Surveyed at the Meliadine Mine in June 2025.

Site Name	Arctic PRISM Plot Name[1]	Original Plot Name	Original Survey Date	UTM Zone	SW corner Easting	SW corner Northing	NW corner Easting	NW corner Northing	NE corner Easting	NE corner Northing	SE corner Easting	SE corner Northing	Original Surveyed Plot Area (km2)
Meliadine	MEL-IND1 NS	PR001	June 14, 2018	15	543543	6985728	543536	6986128	543836	6986132	543843	6985732	0.12
Meliadine	MEL-IND2 NS	PR002	June 15, 2018	15	543361	6986175	543355	6986575	543655	6986579	543661	6986179	0.12
Meliadine	MEL-IND3 NS	PR003	June 15, 2018	15	543022	6987099	542735	6987377	542944	6987593	543231	6987315	0.12
Meliadine	MEL-IND11 NS	PR9004	June 15, 2019	15	542451	6984292	542251	6984642	542379	6984756	542648	6984402	0.08
Meliadine	MEL-IND12 NS	PR9005	June 15, 2019	15	542051	6983942	541901	6984292	542118	6984405	542261	6984030	0.09

[1] NS refers to the Non-Standard PRISM plots established by Nuqsana Golder in 2018 and 2019

3.2 WATERBIRD SHORELINE SURVEYS

Waterbird shoreline surveys document the nesting distribution of waterbirds on or along waterbody shorelines within 200 m of mine-related infrastructure (e.g., mine buildings, All-Weather Access Road, etc.). Other bird species are recorded incidentally. Shoreline surveys are completed following the methods outlined in the TEMMP (Agnico Eagle 2025).

All shorelines within 200 m of the Mine and mine infrastructure are to be surveyed on an annual basis (see **Figure 3.2**). Some shoreline areas previously identified by AEM in the mine area lie outside of the 200 m buffer (**Figure 3.2**).

Surveys involve two observers walking along the edge of a waterbody. One observer walks 5 m from the water's edge, while the second observer walks approximately 15 m from the water's edge. If a waterbird nest is found, the surveyor approaches the nest to determine nest stage (e.g., egg laying, incubating, nestlings etc.) and nest productivity (i.e., the number of offspring). If a nesting bird shows signs of distress, the nest is not approached to avoid nest abandonment. Non-waterbird species are also recorded as incidental sightings.

3.3 MINE SITE BIRD NEST SURVEYS

Bird nest surveys are conducted during the active bird breeding window for Nesting Zone N (Arctic Plains and Mountains, ECCC 2024) to determine if any active nests will be disturbed by mining-related operation and construction activities. Observers surveyed identified disturbance areas and documented all bird activity but especially nesting activity.

Surveys were conducted between May 15 and August 15, which corresponds to the reproductive period of birds breeding in the Arctic. The proposed development areas were surveyed at least four days before any disturbance. Surveys were conducted during fair weather (i.e., not raining, low winds, temperature above 5 degrees Celsius). A minimum of two people walked straight-line transects through the proposed construction area, spaced by a maximum of 10 m. An additional 30 m area on all sides of the proposed disturbance area was also surveyed. Bird species, nesting activity, GPS points, and photos were collected when a nest was found (if possible).

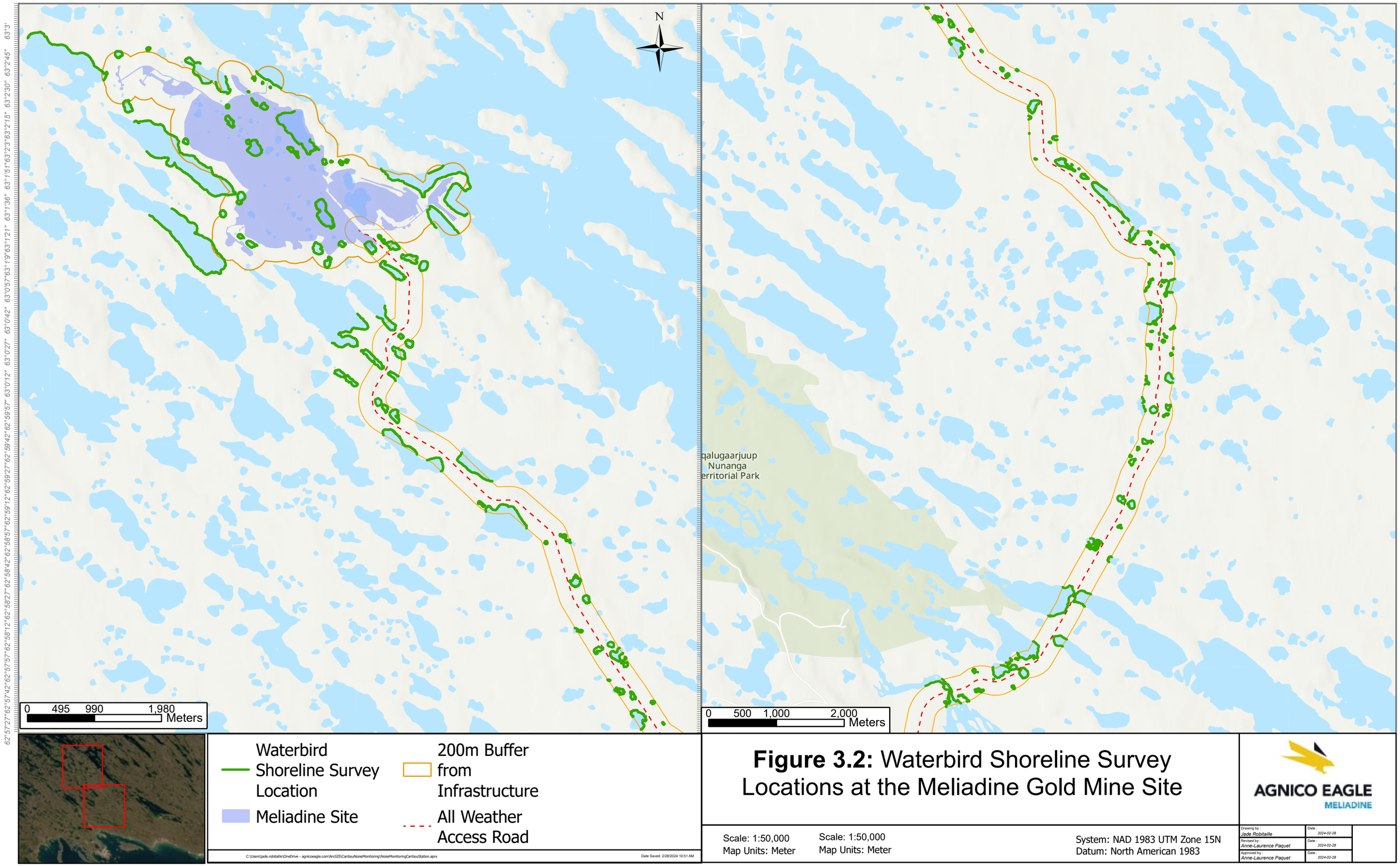


Figure 3.2: Waterbird Shoreline Survey Locations at the Meliadine Gold Mine Site

AGNICO EAGLE
MELIADINE

Scale: 1:50,000
Map Units: Meter

Scale: 1:50,000
Map Units: Meter

System: NAD 1983 UTM Zone 15N
Datum: North American 1983

Drawing by : Jade Robitaille	Date : 2024-02-28		
Revised by : Anne-Laurence Paquet	Date : 2024-02-28		
Approved by : Anne-Laurence Paquet	Date : 2024-02-28		

SECTION 4 • 2025 BIRD SURVEY RESULTS

4.1 PRISM PLOTS

In 2025, five (5) plots were conducted (**Figure 3.1**). Road shutdowns due to the presence of Caribou prevented surveys of additional PRISM plots. Field work details (e.g., timing, weather, and observers) for each PRISM plot are provided in **Appendix II**.

Fifteen (15) bird species were observed on the 2025 non-standard PRISM plot surveys (**Table 4.1**) with only Horned Lark (*Eremophila alpestris*) observed on all five (5) plots. The most encountered species were Horned Lark, Lapland Longspur (*Calcarius lapponicus*), and Canada Goose (*Branta canadensis*). Six (6) species were only observed incidentally outside plots, while the other species were observed while surveying the PRISM plot. Species numbers, behaviours, and other details have been recorded in the PRISM plot data spreadsheets, as per templates provided by CWS, that will be provided to ECCC by March 31, 2026. Arctic Fox (*Vulpes lagopus*), Arctic Ground Squirrel (*Urocitellus parryii*), and Barren-ground Caribou (*Rangifer tarandus*) were observed incidentally.

Bird Nests were not observed on PRISM plots in 2025.

4.2 WATERBIRD SHORELINE SURVEYS

Shoreline surveys were completed in all areas within 200 m of the Mine in 2025. See **Appendix III** for survey timing and weather conditions, **Appendix IV** for results by survey location, and **Figure 3.2** for general shoreline survey locations.

A total of 31 bird species, of which 16 species were waterbirds, were recorded on waterbird shoreline surveys in 2025 (**Appendix V**). The 10 most encountered species included Horned Lark (recorded at 40 wetlands), Lapland Longspur (34), Canada Goose (31), Savannah Sparrow (*Passerculus sandwichensis*; 28), Least Sandpiper (*Calidris minutilla*; 27), American Pipit (*Anthus rubescens*; 23), Semipalmated Plover (*Charadrius semipalmatus*; 21), Sandhill Crane (*Grus canadensis*; 17), Herring Gull (*Larus argentatus*; 16), and Long-tailed Duck (*Clangula hyemalis*; 16).

The five (5) most encountered waterbird species were Canada Goose (recorded at 31 wetlands), Least Sandpiper (27), Semipalmated Plover (21), Herring Gull (16), and Long-tailed Duck (16).

A total of 23 documented or potential nests were recorded on waterbird shoreline surveys in 2025 (see **Table 4.2**). The 23 nests were from eight (8) species of which four (4) species were waterbirds. All bird nests identified on waterbird shoreline surveys in 2023, 2024 and 2025 are shown in **Figure 4.1**.

Table 4.1: Wildlife Species Observed on Meliadine PRISM Plots in 2025. Additional Species Observed outside Plots are Listed as Incidental. Species only Observed Incidentally are Indicated with an '*'.

Common Name	Scientific Name	MEL-IND Non-Standard					Incidental (Plot #s) Non-Standard
		01	02	03	11	12	
BIRDS							
* American Pipit	*Anthus rubescens*						12
Canada Goose	*Branta canadensis*		2	2	5	4	01, 03, 11
* Greater Scaup	*Aythya marila*						02
* Herring Gull	*Larus argentatus*						01, 03, 11
Horned Lark	*Eremophila alpestris*	4	4	3	6	5	01, 12
Lapland Longspur	*Calcarius lapponicus*	2	1		3	2	01, 02, 03, 11,12
Northern Pintail	*Anas acuta*		2				02
* Pacific Loon	*Gavia pacifica*						12
Redpoll sp.	*Acanthis* sp.		2			1	
Sandhill Crane	*Grus canadensis*		1				01, 02, 03, 11, 12
Savannah Sparrow	*Passerculus sandwichensis*	2	2				03, 11, 12
Semipalmated Plover	*Charadrius semipalmatus*			1	1	1	12
Semipalmated Sandpiper	*Calidris pusilla*					1	12
* Snow Goose	*Anser caerulescens*						01
* Tundra Swan	*Cygnus columbianus*						01, 02, 03, 11, 12
Total # of Species		**3**	**7**	**3**	**4**	**6**	
MAMMALS (recorded incidentally)							
Arctic Fox	*Vulpes lagopus*		X				
Arctic Ground Squirrel	*Urocitellus parryii*	X	X	X		X	
* Barren-ground Caribou	*Rangifer tarandus*						01, 03

Table 4.2: Confirmed or Potential Nest Sites for the Meliadine Gold Mine Waterbird Shoreline Survey in 2025. Waterbird Species are in Bold Print.

Common Name	Wetland #	Details
American Pipit	17	1 female flushed from nest with 5 eggs (15V 537914 6988430)
American Pipit	114	1 female incubating (15V 542337 6989229)
Canada Goose	**23**	**Pair agitated (15V 540751 6987188)**
Canada Goose	**104**	**2 adults with 3 goslings (15V 539818 6990189)**
Canada Goose	**109**	**Pair agitated and on nest but no eggs yet (15V 541321 6918198)**
Canada Goose	**123**	**Pair on nest on island (15V 541537 6986794)**
Canada Goose	**132**	**Pair agitated (15V 543759 6983897)**
Canada Goose	**146**	**Adult incubating on nest (15V 546318 6979888)**
Canada Goose	**228**	**Adult incubating on nest (15V 547926 6978277)**
Canada Goose	**259**	**Pair with alarm calls (15V 544139 6982387)**
Herring Gull	**16**	**1 adult incubating on island (15V 538428 6989255)**
Herring Gull	**17**	**1 adult incubating (15V 538334 6988380)**
Herring Gull	**23**	**1 adult on nest on island (15V 540751 6987188)**
Lapland Longspur	17	1 female on nest with 5 eggs (15V 538637 6987775)
Lapland Longspur	114	1 female flushed very close (possible nest?)
Sandhill Crane	114	1 female incubating & distraction display (15V 542338 6988656)
Sandhill Crane	193	2 adults with 1 young (15V 547135 6973600)
Savannah Sparrow	134	1 adult agitated & probable nest (15V 542628 6984260)
Semipalmated Plover	**80**	**Pair with distraction display and nest with 4 eggs (15V 540292 6988009)**
Semipalmated Plover	**124**	**1 adult on nest with 3 eggs (15V 541236 6985660)**
Semipalmated Plover	**158**	**Pair with distraction display and nest with 4 eggs (15V 544635 6982063)**
Semipalmated Plover	**171**	**Pair with distraction display and nest with 4 eggs (15V 545225 6971718)**
Tundra Swan	**17**	**2 adults with 3 cygnets (< 1 week old) (15V 538334 6988380)**

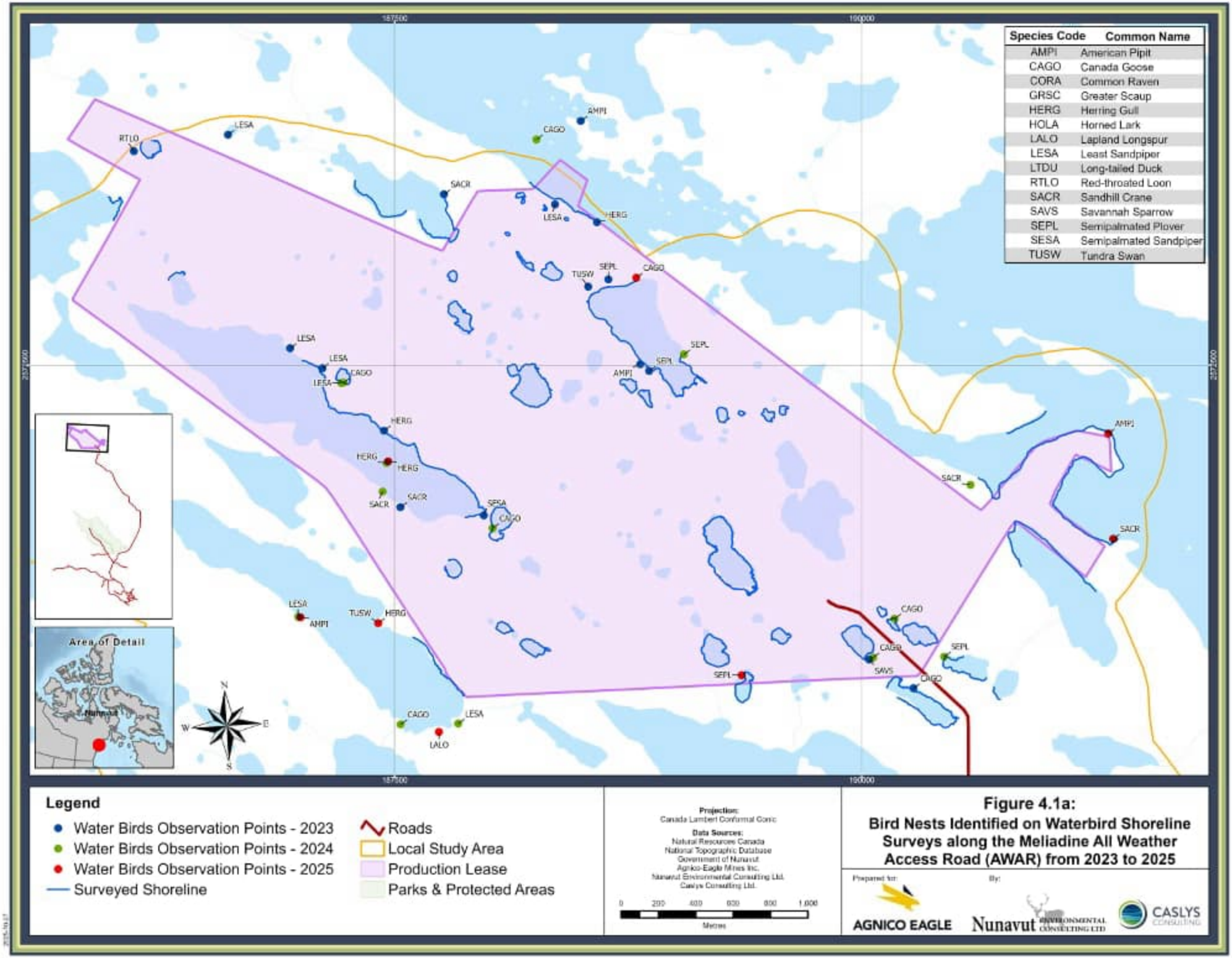
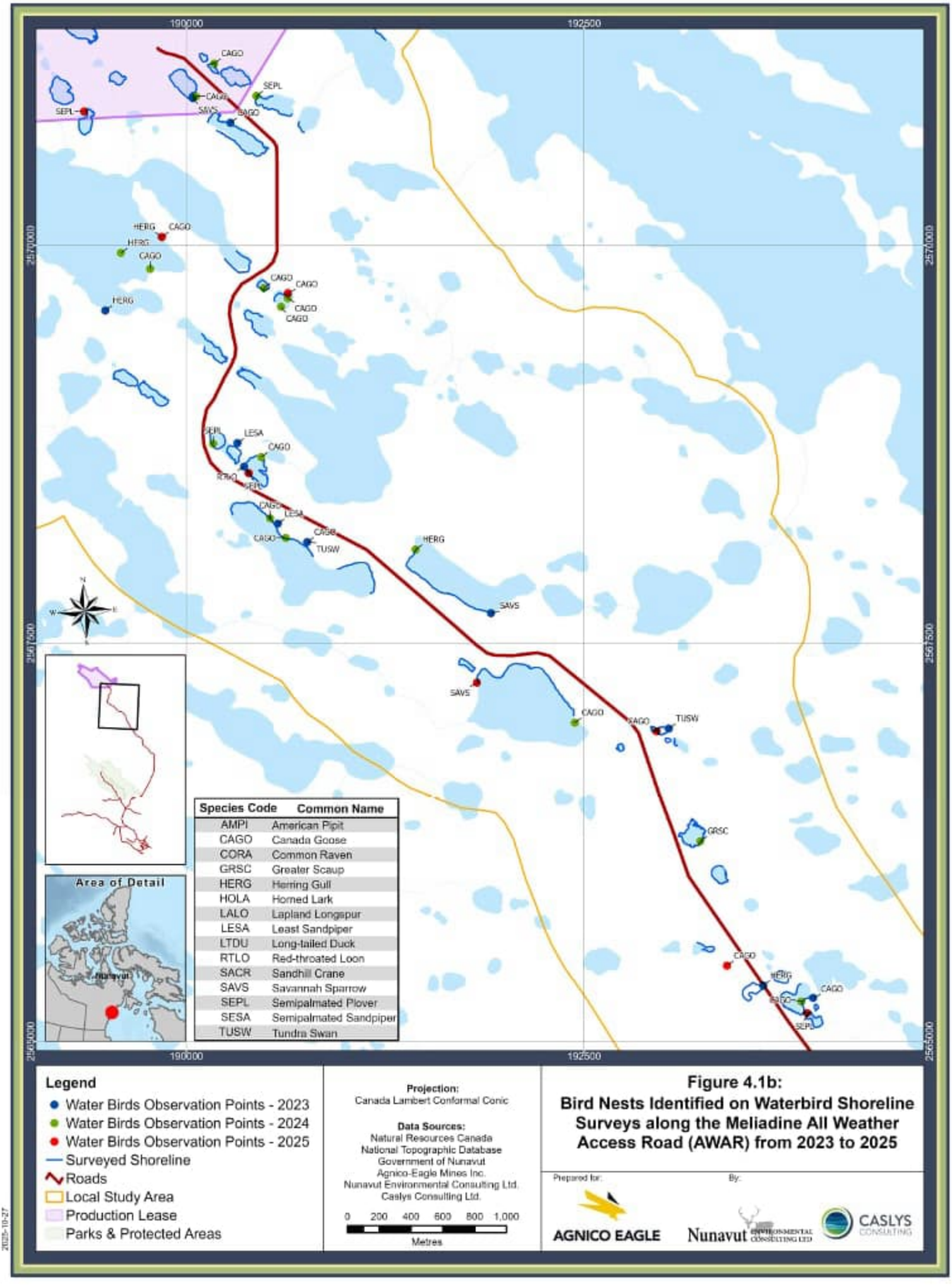
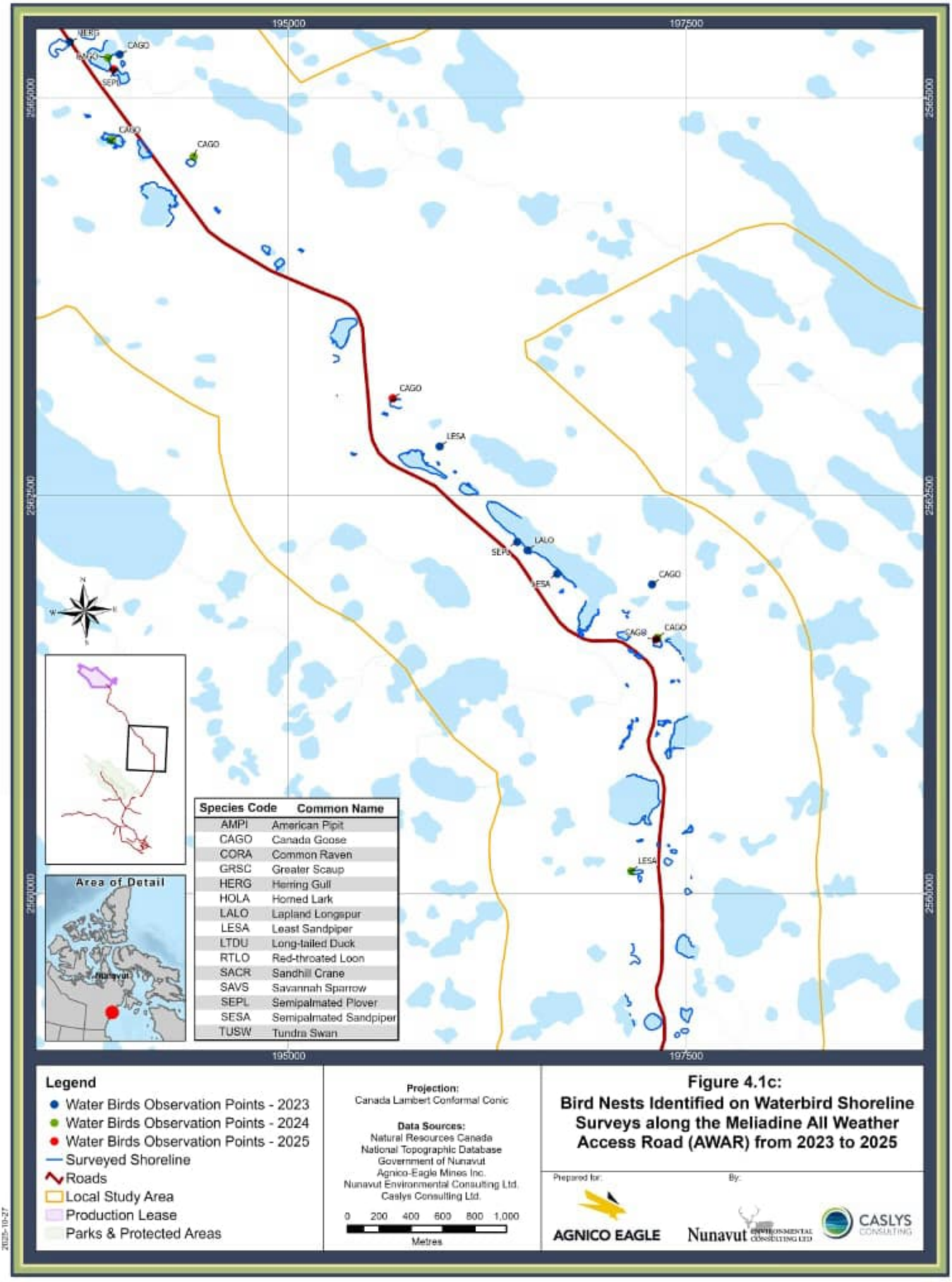


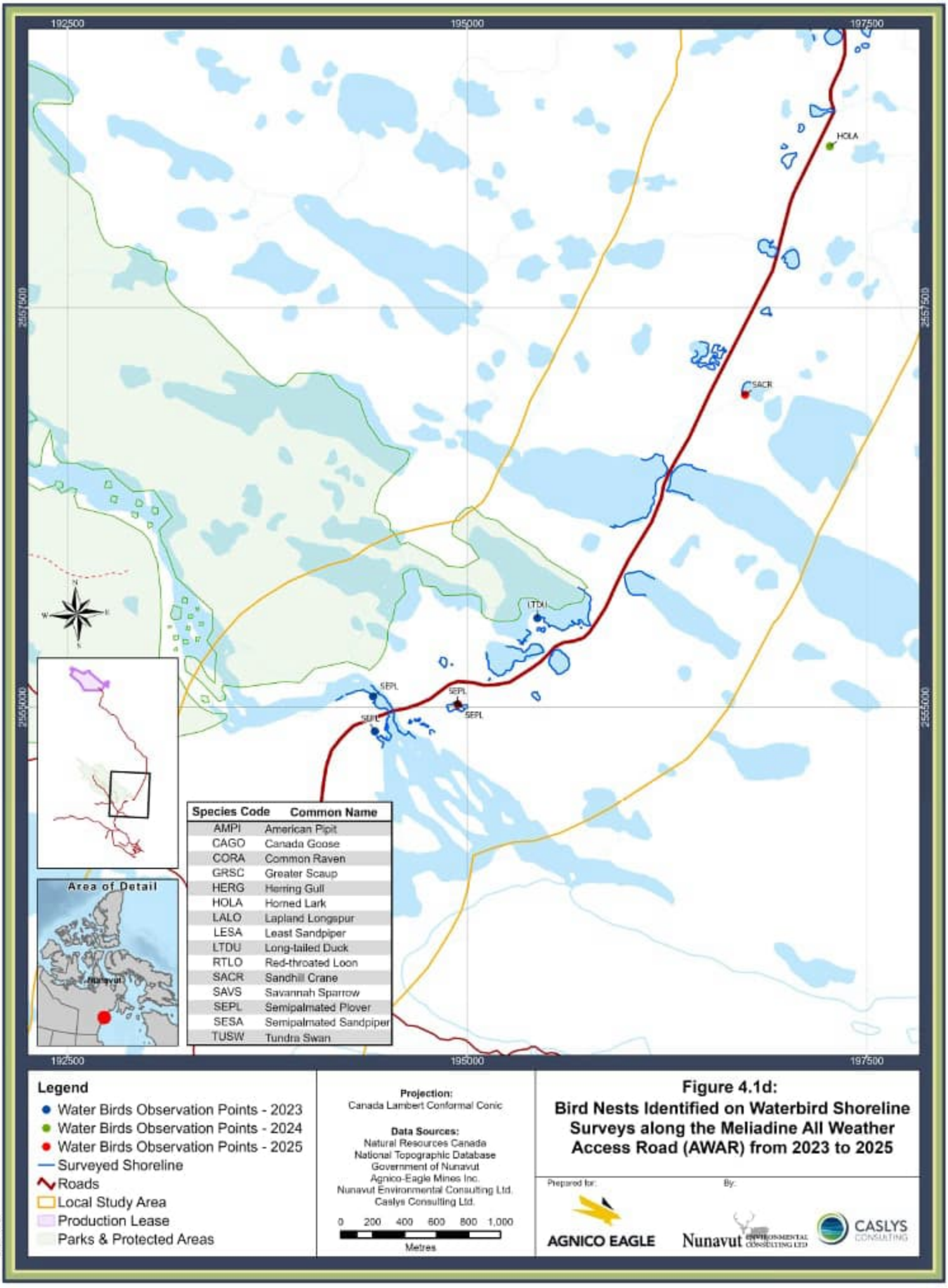
Figure 4.1a:
Bird Nests Identified on Waterbird Shoreline Surveys along the Meliadine All Weather Access Road (AWAR) from 2023 to 2025

Prepared for: AGNICO EAGLE

By: Nunavut Environmental Consulting Ltd. / Caslys Consulting


190000
192500
2570000
2567500
2565000
CAGO
SEPL
SAVS
HERG
LESA
TUSW
GRSC
Area of Detail
Species Code | Common Name
AMPI | American Pipit
CAGO | Canada Goose
CORA | Common Raven
GRSC | Greater Scaup
HERG | Herring Gull
HOLA | Horned Lark
LALO | Lapland Longspur
LESA | Least Sandpiper
LTDU | Long-tailed Duck
RTLO | Red-throated Loon
SACR | Sandhill Crane
SAVS | Savannah Sparrow
SEPL | Semipalmated Plover
SESA | Semipalmated Sandpiper
TUSW | Tundra Swan
Legend
Water Birds Observation Points - 2023
Water Birds Observation Points - 2024
Water Birds Observation Points - 2025
Surveyed Shoreline
Roads
Local Study Area
Production Lease
Parks & Protected Areas
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.
0 200 400 600 800 1,000
Metres
Figure 4.1b:
Bird Nests Identified on Waterbird Shoreline Surveys along the Meliadine All Weather Access Road (AWAR) from 2023 to 2025
Prepared for:
AGNICO EAGLE
By:
Nunavut Environmental Consulting Ltd
CASLYS CONSULTING
2025-10-27


195000
197500
2565000
2562500
2560000
CAGO
SEPL
LESA
LALO
AMPI
Area of Detail
Nunavut
Species Code | Common Name
AMPI | American Pipit
CAGO | Canada Goose
CORA | Common Raven
GRSC | Greater Scaup
HERG | Herring Gull
HOLA | Horned Lark
LALO | Lapland Longspur
LESA | Least Sandpiper
LTDU | Long-tailed Duck
RTLO | Red-throated Loon
SACR | Sandhill Crane
SAVS | Savannah Sparrow
SEPL | Semipalmated Plover
SESA | Semipalmated Sandpiper
TUSW | Tundra Swan
Legend
Water Birds Observation Points - 2023
Water Birds Observation Points - 2024
Water Birds Observation Points - 2025
Surveyed Shoreline
Roads
Local Study Area
Production Lease
Parks & Protected Areas
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.
0 200 400 600 800 1,000
Metres
Figure 4.1c:
Bird Nests Identified on Waterbird Shoreline Surveys along the Meliadine All Weather Access Road (AWAR) from 2023 to 2025
Prepared for:
AGNICO EAGLE
By:
Nunavut Environmental Consulting Ltd
CASLYS CONSULTING
2025-10-27


192500
195000
197500
2557500
2555000
HOLA
SACR
LTDU
SEPL
SEPL
SEPL
SEPL
N
W
E
S
Area of Detail
Nunavut
Species Code | Common Name
AMPI | American Pipit
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RTLO | Red-throated Loon
SACR | Sandhill Crane
SAVS | Savannah Sparrow
SEPL | Semipalmated Plover
SESA | Semipalmated Sandpiper
TUSW | Tundra Swan
Legend
Water Birds Observation Points - 2023
Water Birds Observation Points - 2024
Water Birds Observation Points - 2025
Surveyed Shoreline
Roads
Local Study Area
Production Lease
Parks & Protected Areas
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.
0 200 400 600 800 1,000
Metres
Figure 4.1d:
Bird Nests Identified on Waterbird Shoreline Surveys along the Meliadine All Weather Access Road (AWAR) from 2023 to 2025
Prepared for:
AGNICO EAGLE
By:
Nunavut Environmental Consulting Ltd
CASLYS CONSULTING
2025-10-27

4.3 MINE SITE BIRD NEST SURVEYS

Mine site bird nest surveys were conducted between May 23 and August 03, 2025, when mine activities required. Seven (7) pre-clearance bird nest sweeps were completed with no active nests or nesting activities recorded (**Appendix VI**). Additionally, 11 bird nests were identified during regular environmental monitoring around the Mine site (**Appendix VI**).

All mitigation measures implemented for active nesting were modeled after the TEMMP guidelines, including marking setback distances with stakes, reducing traffic speed, managing dust, performing low-impact monitoring, and suspending operations or use of materials/equipment as necessary (Agnico Eagle 2025)**.**

SECTION 5 • RECOMMENDATIONS

PRISM plots surveys, waterbird shoreline surveys, and pre-clearance bird nest surveys will continue during the summer of 2026, subject to environmental constraints including severe weather and caribou movements. Bird transect and point counts will next be surveyed in 2027.

SECTION 6 • LITERATURE CITED

Agnico Eagle Mines Ltd. 2025. Terrestrial Environment Management and Monitoring Plan. Version 5, 2025.

Bart, J., Andres, B., Brown, S., Donaldson, G., Harrington, B., Johnston, V., Jones, S., Morrison, G., and Skagen, S. 2005. The Program for Regional and International Shorebird Monitoring (PRISM). USDA Forest Service General Technical Report, PSW-GTR-191, 893-901.

Environment and Climate Change Canada (ECCC). 2024. URL: https://www.canada.ca/en/environment-climate-change/services/avoiding-harm-migratory-birds/general-nesting-periods/nesting-periods.html

Nuqsana Golder Engineering and Environmental Inc. 2020. Agnico Eagle Mines limited – Meliadine Division. 2019 Terrestrial Effects Monitoring and Mitigation Program Annual Report. Prepared for Agnico Eagle Mines Limited.

Rausch, J. unknown date. Arctic Shorebird Monitoring (Arctic PRISM). Unpublished document prepared by Canadian Wildlife Service.

Rausch, J., and Clyde, N. 2022. Arctic PRISM Survey Details – For Agnico Eagle Crews at Meliadine (part of Arctic PRISM Region 6.4). Unpublished report prepared by the Canadian Wildlife Service for Agnico Eagle Mines, Meliadine Division.

APPENDIX I

PRISM Plot Survey Protocols for the Meliadine Gold Project

ARCTIC PRISM SURVEY DETAILS – FOR AGNICO EAGLE CREWS AT MELIADINE

(part of Arctic PRISM Region 6.4)

Canadian Wildlife Service, J. Rausch/Nik Clyde, April 2022

PLOT SELECTION LOGISTICS

Attached below are the selected plots packages (PDF). Each dot on the overview map represents a PLOT (instead of a ZONE as in previous years). The plots selected for this site are a mix of repeat surveys of previous plots and new plots. We have chosen this method to attempt to gain more accurate information on trends for most of the partner surveys. This information will be paired with results from the larger PRISM surveys to better inform shorebird population and trend estimates.

The plan is to survey 48 plots over the next 10 years.

Rather than survey plots completely at random (as in previous years), we have assigned priorities to the plots provided as part of this package (see table below for priority ranking).

Plots should still be chosen at random within the same priority level. Please do not subdivide the PRISM study area into directional quadrats where 1 quadrat per field season is surveyed, or in numerical order (b/c the numerical order assignment is not random). Just randomly choose from all available plots (within a given priority level) based on which direction the weather is the best in, or in later years, areas or distances from camp that haven't been done yet.

If a plot is not surveyable for some reason (snow cover, bear on plot, etc.) it should be attempted again in future years until all plots have been completed.

In the case where only a section of the plot is un-surveyable you could still survey the portion of the plot that is surveyable, mark how much of the plot was actually surveyed (% of total plot area surveyed) and indicate percent of plot that was surveyed on page 1 on Plot Survey Summary Form

The 'Plot Survey' section of the Plot Survey Summary Form must still be completed for an un-surveyable plot, indicating Site, plot name, Surveyors, date, % area surveyed = 0% and reason the survey was not surveyed. Indicate the reason the plot was not surveyed with details (e.g. percent snow cover, estimate of cliff height or plot steepness/slope, river width/depth, etc.).

Plot Assignments and Priority Rankings

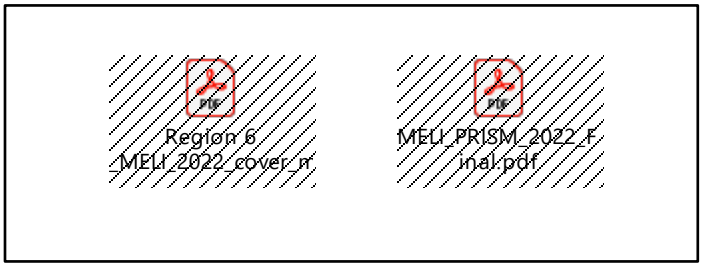
Plot	Priority	Old/New	Included?	Plot	Priority	Old/New	Included?
MELI-IND1	High	Old	Yes	MELI-108	Medium	New	No
MELI-IND10	High	Old	Yes	MELI-111	Medium	New	No
MELI-IND11	High	Old	Yes	MELI-126	Medium	New	No
MELI-IND12	High	Old	Yes	MELI-122	Medium	New	No
MELI-IND13	High	Old	Yes	MELI-127	Medium	New	No
MELI-IND14	High	Old	Yes	MELI-107	Medium	New	No
MELI-IND15	High	Old	Yes	MELI-119	Medium	New	No
MELI-IND16	High	Old	Yes	MELI-131	Medium	New	No
MELI-IND2	High	Old	Yes	MELI-120	Medium	New	No
MELI-IND3	High	Old	Yes	MELI-124	Medium	New	No
MELI-IND4	High	Old	Yes	MELI-112	Medium	New	No
MELI-IND5	High	Old	Yes	MELI-129	Medium	New	No
MELI-IND6	High	Old	Yes	MELI-103	Medium	New	No
MELI-IND7	High	Old	Yes	MELI-115	Medium	New	No
MELI-IND8	High	Old	Yes	MELI-123	Medium	New	No
MELI-IND9	High	Old	Yes	MELI-116	Medium	New	No
MELI-130	Medium	New	No	MELI-101	Medium	New	No
MELI-102	Medium	New	No	MELI-132	Medium	New	No
MELI-109	Medium	New	No	MELI-118	Medium	New	No
MELI-117	Medium	New	No	MELI-121	Medium	New	No
MELI-110	Medium	New	No	MELI-125	Medium	New	No
MELI-113	Medium	New	No	MELI-106	Medium	New	No
MELI-114	Medium	New	No	MELI-104	Medium	New	No
MELI-128	Medium	New	No	MELI-105	Medium	New	No

**note that only the old repeated plots are included in this package. These are the highest priority so should be surveyed first. We will send an updated package with new plots once they are complete.*

PLOT SELECTION PACKAGES (PDF)

In the attached selected plots package, there are two sections:

- Overview map of selected PLOTS
    - Provides an overview of the selected plots.
    - Shows the location of the southwest corner of each plot.
- Plot maps
    - Each plot has a map, which shows the general location of the plot to be surveyed.
    - The coordinates of the southwest corner for each plot is given on the plot maps for convenience.



SURVEY METHODS & DATASHEETS & DATA ENTRY TEMPLATE

The attached Word document has the survey methods as well as the datasheets.

The datasheets should be completed on site (before you leave the plot); this is especially important for the habitat datasheet. The habitat datasheet should be completed at the end of the plot so you have seen the whole plot before completing it (rather than at the beginning of the plot when you have not yet covered it). There is a landform sample guide to help with completing the habitat datasheet.

Survey Methods & Datasheets Package



Arctic PRISM -
General Instructions fo

After the field season, please send me legible scans of all the datasheets and the photograph(s) from each plot. If you don't want to keep the originals, you can mail them to me for archiving. If you would like to keep the originals, the scans will suffice.

DATA ENTRY TEMPLATE – NEW FOR 2022 SEASON

In order to standardize data entry we are asking participants to enter data directly into the new excel data entry template included in your package. This template was designed to help simplify the data entry process and has many automated features we hope will make this process easier to accomplish, including pre-filled fields, dropdown menus, and detailed explanations of each column. There is also a README file on the first tab with detailed information on the functions of the data entry template, including tips for troubleshooting any issues. The spreadsheet and new data entry forms have been designed together, so the terminology should be consistent across each and it should hopefully be clear which section of the data entry template corresponds with specific sections of the new field data sheets.

Any feedback on ways we can improve this new tool are welcomed and appreciated.



PRISM_Rapid_Survey_
Data_Entry_Template_

SURVEY EQUIPMENT LIST

The below equipment are required for the surveys. A description of what it is used for is included; it probably makes more sense after you've read through the methods document. ☺

- Binoculars (n=4, 1 pair per person)
- Field notebook or clipboard with datasheets (n=2, 1 per team lead for each 2-person team)
    - Only the team leader (western most person) needs to record, the partner calls out birds to the team leader
- GPS set in UTM (NAD 83) and True North (n=2-4, 1 per team at least but 1 per person is convenient for when a nest is found)
- Compass with the proper declination set (n=2, 1 per team for the non-lead in each team)
- Tall survey stakes with long flagging tape streamers (n=8, 4 per team with 2 stakes of 2 colours per team – bring a few spares in the heli in case a pole snaps – we use skinny bamboo garden stakes)

USING THE STAKES/COMPASS/GPS #gettingstarted

To get started on the plot, and marking with stakes:

1. The team leader starts in the SW corner, throws a point 400m north and uses GPS to go to it; partner walks due east (using compass) of the leader 25 m and drops a glove.
2. Partner walks a further 25m due east of leader and plants a stake of colour 1. This will be the leader's guidance post on the next southbound pass.
3. The partner continues another 25m and plants a stake of colour 2, this will become the partner's guidance post on the next southbound pass.
4. The partner returns to their glove (back 50m) and the pair heads north using the leader's GPS and the partner maintains a distance of 25m from the leader until they reach the north border of the plot.
5. At the north edge of the plot, the partner uses compass to find due east and walks 25m, this becomes the leader's starting position for the next southbound pass. The partner walks another 25 m and drops a glove or something they can return to. This becomes the partner's starting position for the next southbound pass. The partner then walks over 25 m and plants a stake of colour 1, this will become the leader's guidance post on the next northbound pass. The partner continues another 25m and plants a stake of colour 2, this will become the partner's guidance post on the next northbound pass. The partner returns to their glove (back 50m) and the pair heads south to the first set of deployed stakes which are picked up and subsequently deployed in anticipation of the next southbound pass.
6. Repeat until 3 return passes (3 northbound and 3 southbound) have been completed.

Note: on the first pass north, the leader is only looking 12.5m eastward into the plot. On the last pass south, the partner is looking 25m eastward.

Another option is to not use the stakes and have both people use their GPS and know what easting they should be on; however this often results in people spending too much time looking at their GPS screens, and not enough time scanning the landscape for birds, so the stake method is preferred.

PHOTOGRAPHS (PLOTS & NESTS)

Take a photo of the plot from any of the 4 corners looking in to the plot (1 photo per plot is fine), and record what corner the photo was taken from.

When the photos are downloaded (back at the office or camp), please label the photos using the below (or a similar) convention:

- PLOT PHOTOS:
  - Plot_AAA-XXA_twolettercodeforplotcornerphotowastakenfrom_RegionX_YEAR_PhotographerFirstnameLastname.JPG
    - e.g.:
      - Plot_IGL-154D_SW_Region5_2016_JennieRausch.JPG
      - Plot_KUG-99A_NW_Region5_2016_LisaPirieDominix.JPG
  - If there is more than one photo from a plot, and it was from the same direction/corner, add numbers behind direction in brackets.
    - e.g.
      - Plot_AAA-XXXA_twolettercodeforplotcornerphotowastakenfrom(1)_RegionX_YEAR_FirstnameLastname.JPG
      - Plot_AAA-XXXA_twolettercodeforplotcornerphotowastakenfrom(2)_RegionX_YEAR_FirstnameLastname.JPG
      - Plot_AAA-XXXA_twolettercodeforplotcornerphotowastakenfrom(3)_RegionX_YEAR_FirstnameLastname.JPG
  - If the photos were taken from different corners, then they will have different file names already so no need to number.
    - e.g.
      - Plot_AAA-XXXA_SE_RegionX_YEAR_FirstnameLastname.JPG
      - Plot_AAA-XXXA_SW_RegionX_YEAR_FirstnameLastname.JPG

- NEST PHOTOS:
  - NestID_4letterspeciescode_RegionX_YEAR_PhotographerFirstnameLastname.JPG
    - e.g.
      - JJP-01_LALO_Region5_2016_LisaPirieDominix.JPG

- If there is more than one photo from a nest, add numbers behind the 4 letter species code in brackets.
    - e.g.
        - LPD-08_AMPI(1)_ Region5_2016_LisaPirieDominix.JPG
        - LPD-08_AMPI(2)_ Region5_2016_LisaPirieDominix.JPG
        - LPD-08_AMPI(3)_ Region5_2016_LisaPirieDominix.JPG

QUESTIONS FOR {2022} FIELD SEASON

If you have questions or run into any problems while completing the surveys and want to talk to Nik (acting for Jennie) during:

- Up to {11 June}: email (nik.clyde@ec.gc.ca) or call me on my cell phone at 604-356-8226.

- {12 June – 08 July}:
    - The best method would be to leave a message for me with the PCSP Base Managers (**867-252-3872**) with your number and a time to call. We talk to PCSP every night ~6:30pm Central time.

- {09 July - September}: email (nik.clyde@ec.gc.ca) or call me on my cell phone at 604-356-8226.

Thanks for participating in the Arctic PRISM!

Our partners are an important and valued part of our program! ☺

APPENDIX II

Fieldwork Details for the Meliadine Gold Mine PRISM Plots (Non-Standard) in 2025

Appendix II

Plot (MEL)[1]	Date (2025)	Time	Weather	Observers[2]
Non-Standard (NS)				
MEL-IND01 NS	June 23	10:00 to 11;15	9ºC, mainly clear, no precipitation, gentle breeze	DW, LQ
MEL-IND02 NS	June 23	11:32 to 12:40	8ºC, mainly clear, no precipitation, gentle breeze	DW, LQ
MEL-IND03 NS	June 23	15:55 to 17:00	13ºC, mainly clear, no precipitation, light breeze	DW, LQ
MEL-IND11 NS	June 22	14:44 to 15:40	ND	DW, LQ
MEL-IND12 NS	June 23	07:45 to 08:59	8ºC, mainly clear, no precipitation, gentle breeze	DW, LQ

[1] NS refers to the Non-Standard PRISM plots established by Nuqsana Golder in 2018 and 2019

[2] DW = Dylan White; LQ = Lars Qaqqaq

APPENDIX III

Fieldwork Dates and Time, Weather, and Observers for the Meliadine Gold Mine Project Waterbird Shoreline Surveys in 2025

Appendix III

Wetland #	Date (2025)	Time	Weather	Observers[1]
1 (& 72)	01 July	14:00 to 14:39	13ºC, mainly clear, no rain, light air (NE)	TP & LQ
3	01 July	15:37 to 15:42	12ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
4	29 June	09:26 to 09:39	15ºC, clear, no rain, light breeze (N)	TP & LQ
9 (& 102)	02 July	10:16 to 10:25	17 ºC, clear, no rain, gentle breeze (W)	TP & LQ
10	04 July	10:17 to 10:26	10ºC, mostly cloudy, no rain, light breeze (E)	TP & LQ
16 (& 116)	29 June	09:50 to 11:41	18ºC, mainly clear, no rain, light breeze (N)	TP & LQ
17	01 July	09:53 to 11:09	10ºC, mostly cloudy, no rain, calm (N)	TP & LQ
23	25 June	08:21 to 09:07	5ºC, mostly cloudy, no rain, light air	DW & LQ
38 (& 146)	28 June	14:19 to 14:29	13ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
41 (& 155, 264, 265)	28 June	11:55 to 12:01	12ºC, clear, no rain, gentle breeze (NE)	TP & LQ
44 (& 163)	28 June	14:00 to 14:02	13ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
45 (& 164)	06 July	07:44 to 08:02	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
46 (& 165)	06 July	08:47 to 08:59	12ºC, mostly cloudy, no rain, fresh breeze (N)	TP & LQ
47 (& 170)	06 July	08:38 to 08:42	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
56 (& 193)	05 July	08:48 to 08:52	13ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
63 (& 204)	03 July	16:15 to 16:17	13ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
65 (& 222)	03 July	10:59 to 11:03	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
68 (& 238)	03 July	12:00 to 12:06	11ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
72 (& 1)	01 July	14:00 to 14:39	13ºC, mainly clear, no rain, light air (NE)	TP & LQ
73	01 July	15:09 to 15:19	13ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
75	04 July	08:45 to 08:52	10ºC, cloudy, no rain, gentle breeze (E)	TP & LQ
76	01 July	11:41 to 11:48	10ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
79	01 July	11:28 to 11:31	10ºC, mostly cloudy, no rain, gentle breeze (N)	TP & LQ
80	02 July	14:57 to 15:08	20ºC, clear, no rain, gentle breeze (NW)	TP & LQ
84	02 July	08:40 to 08:52	11ºC, clear, no rain, light breeze (W)	TP & LQ
85	02 July	08:17 to 08:36	11ºC, clear, no rain, light breeze (N)	TP & LQ
90	02 July	13:53 to 14:00	20ºC, clear, no rain, gentle breeze (W)	TP & LQ
91	02 July	13:42 to 13:49	20ºC, clear, no rain, gentle breeze (W)	TP & LQ
94	02 July	09:23 to 09:28	16ºC, clear, no rain, gentle breeze (W)	TP & LQ
95	02 July	10:04 to 10:11	16ºC, clear, no rain, gentle breeze (W)	TP & LQ
96	02 July	09:59 to 10:03	16ºC, clear, no rain, gentle breeze (W)	TP & LQ
98	02 July	10:31 to 10:35	17ºC, clear, no rain, gentle breeze (W)	TP & LQ
100	02 July	09:50 to 09:54	16ºC, clear, no rain, gentle breeze (W)	TP & LQ
102 (& 9)	02 July	10:16 to 10:25	17 ºC, clear, no rain, gentle breeze (W)	TP & LQ

Appendix III

Wetland #	Date (2025)	Time	Weather	Observers[1]
104	02 July	10:56 to 12:02	17 ºC, clear, no rain, gentle breeze (W)	TP & LQ
105	02 July	14:16 to 14:36	20ºC, clear, no rain, gentle breeze (W)	TP & LQ
106	24 June	09:22 to 09:32	8ºC, mainly clear, no rain, light air	DW & LQ
107	24 June	08:36 to 08:46	8ºC, mainly clear, no rain, light air	DW & LQ
108	24 June	08:46 to 08:56	9ºC, mainly clear, no rain, light air	DW & LQ
109	24 June	09:49 to 09:54	10ºC, mainly clear, no rain, light air	DW & LQ
111	24 June	09:10 to 09:41	10ºC, mainly clear, no rain, light air	DW & LQ
112	24 June	10:00 to 10:12	10ºC, mostly cloudy, no rain, light air	DW & LQ
113	30 June	12:37 to 13:07	10ºC, cloudy, no rain, gentle breeze (S)	TP & LQ
114	30 June	13:32 to 14:47	10ºC, cloudy, no rain, gentle breeze (SE)	TP & LQ
115	30 June	15:17 to 15:23	10ºC, mainly cloudy, no rain, gentle breeze (SE)	TP & LQ
116 (& 16)	29 June	09:50 to 11:41	18ºC, mainly clear, no rain, light breeze (N)	TP & LQ
118	24 June	11:33 to 12:18	11ºC, mostly cloudy, no rain, light air	DW & LQ
120	25 June	10:03 to 10:09	8ºC, mostly cloudy, light breeze	DW & LQ
121	25 June	09:42 to 09:51	7ºC, mostly cloudy, light breeze	DW & LQ
122	24 June	12:00 to 12:05	11ºC, mostly cloudy, light breeze	DW & LQ
123	24 June	12:09 to 12:11	11ºC, mostly cloudy, light breeze	DW & LQ
124	25 June	10:30 to 11:00	8ºC, mostly cloudy, no rain, light air	DW & LQ
125	25 June	10:27 to 10:30	8ºC, mostly cloudy, no rain, light air	DW & LQ
126	24 June	16:50 to 17:10	10ºC, mostly cloudy, no rain, light air	DW & LQ
127	24 June	11:00 to 11:24	10ºC, mostly cloudy, no rain, light breeze	DW & LQ
128	24 June	12:30 to 12:41	11ºC, mostly cloudy, light breeze	DW & LQ
129	25 June	13:25 to 14:02	11ºC, mostly cloudy, no rain, light breeze	DW & LQ
130	25 June	14:11 to 14:27	12ºC, mostly cloudy, no rain, light breeze	DW & LQ
131	26 June	09:01 to 09:08	10ºC, mostly clear, no rain, light air	DW & LQ
132	26 June	09:19 to 09:25	10ºC, mostly clear, no rain, light air	DW & LQ
133	26 June	07:52 to 08:06	8ºC, mostly clear, no rain, light air	DW & LQ
134	26 June	08:09 to 08:35	9ºC, mostly clear, no rain, light air	DW & LQ
135	26 June	09:34 to 09:38	12ºC, mostly clear, no rain, light air	DW & LQ
137 (& 140)	27 June	13:32 to 13:41	?ºC, mainly clear, no rain, moderate breeze (SE)	TP & LQ
138	26 June	10:01 to 10:20	13ºC, mostly clear, no rain, light air (NW)	DW & LQ
139	26 June	10:24 to 10:30	13ºC, mostly clear, no rain, light air (NW)	DW & LQ
140 (& 137)	27 June	13:32 to 13:41	9ºC, mainly clear, no rain, moderate breeze (SE)	TP & LQ
141	27 June	15:03 to 15:06	10ºC, cloudy, no rain, moderate breeze (SE)	TP & LQ
143	27 June	15:12 to 15:21	11ºC, cloudy, no rain, moderate breeze (SE)	TP & LQ

Appendix III

Wetland #	Date (2025)	Time	Weather	Observers[1]
144 (& 162, 164)	28 June	13:06 to 13:24	13ºC, mainly clear, no rain, light breeze (NE)	TP & LQ
146 (& 38)	28 June	14:19 to 14:29	13ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
145	28 June	12:59 to 13:02	13ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
147	28 June	14:34 to 14:37	13ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
148 (& 159)	28 June	08:35 to 08:40	11ºC, mainly clear, no rain, light air (NE)	TP & LQ
149 (& 160)	28 June	08:49 to 09:10	10ºC, mainly clear, no rain, light air (NE)	TP & LQ
150 (& 161)	28 June	09:42 to 09:59	10ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
152	28 June	09:21 to 09:30	10ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
153	28 June	10:12 to 10:21	11ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
154	28 June	10:59 to 11:04	11ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
155 (& 41, 264, 265)	28 June	11:55 to 12:01	12ºC, clear, no rain, gentle breeze (NE)	TP & LQ
156	28 June	11:34 to 11:40	12ºC, clear, no rain, gentle breeze (NE)	TP & LQ
157	28 June	11:44 to 11:49	12ºC, clear, no rain, gentle breeze (NE)	TP & LQ
158	27 June	14:37 to 11:56	10ºC, cloudy, no rain, moderate breeze (SE)	TP & LQ
159 (& 148)	28 June	08:35 to 08:40	11ºC, mostly clear, no rain, light air (NE)	TP & LQ
160 (& 149)	28 June	08:49 to 09:10	10ºC, mainly clear, no rain, light air (NE)	TP & LQ
161 (& 150)	28 June	09:42 to 09:59	10ºC, mostly clear, no rain, gentle breeze (NE)	TP & LQ
162 (& 144, 164)	28 June	13:06 to 13:24	13ºC, mainly clear, no rain, light breeze (NE)	TP & LQ
163 (& 44)	28 June	14:00 to 14:02	13ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
164 (& 45)	06 July	07:44 to 08:02	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
164 (& 144, 162)	28 June	13:06 to 13:24	13ºC, mainly clear, no rain, light breeze (NE)	TP & LQ
165 (& 46)	06 July	08:47 to 08:59	12ºC, mostly cloudy, no rain, fresh breeze (N)	TP & LQ
166	06 July	08:23 to 08:26	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
167	06 July	08:16 to 08:19	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
168 (& 169)	06 July	08:30 to 08:34	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
169 (& 168)	06 July	08:30 to 08:34	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
170 (& 47)	06 July	08:38 to 08:42	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
171	06 July	09:14 to 09:19	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
172 (dry)	06 July		12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
173	06 July	09:31 to 09:36	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
174	06 July	09:40 to 09:43	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
175 (dry)	06 July		12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
176	06 July	10:10 to 10:20	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
177	06 July	11:41 to 11:46	12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ

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Wetland #	Date (2025)	Time	Weather	Observers[1]
179 (dry)	06 July		12ºC, mostly cloudy, no rain, strong breeze (N)	TP & LQ
180	05 July	11:58 to 12:14	13ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
181	05 July	11:26 to 11:38	13ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
182	05 July	10:34 to 10:42	14ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
184	05 July	09:54 to 10:13	13ºC, mainly clear, no rain, gentle breeze (N)	TP & LQ
185	05 July	09:29 to 09:42	13ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
186	05 July	11:48 to 11:53	13ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
187	05 July	08:18 to 08:29	13ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
188	04 July	13:52 to 14:05	15ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
189	04 July	13:37 to 13:44	13ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
190	04 July	14:34 to 14:42	15ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
191	04 July	14:21 to 14:31	15ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
192	04 July	14:54 to 15:01	15ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
193 (& 56)	05 July	08:48 to 08:52	13ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
194	03 July	16:48 to 16:58	12ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
195	03 July	17:27 to 17:30	12ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
196	03 July	17:22 to 17:24	12ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
197	03 July	17:07 to 17:17	12ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
198	03 July	16:06 to 16:09	13ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
199	03 July	17:34 to 17:43	12ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
199	03 July	17:34 to 17:43	12ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
200 (& 201, 202)	04 July	12:13 to 12:24	13ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
201 (& 200, 202)	04 July	12:13 to 12:24	13ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
202 (& 200, 201)	04 July	12:13 to 12:24	13ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
205	03 July	15:48 to 15:55	12ºC, mostly cloudy, no rain, gentle breeze (N)	TP & LQ
207	03 July	15:38 to 15:41	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
208 (dry)	03 July		13ºC, mostly cloudy, no rain, gentle breeze (N)	TP & LQ
210	03 July	15:58 to 16:02	13ºC, mostly cloudy, no rain, gentle breeze (N)	TP & LQ
211	03 July	14:29 to 14:32	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
214	03 July	14:18 to 14:25	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
215 (no wetland)	03 July	14:35 to 14:37	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
217	03 July	14:11 to 14:15	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
218	03 July	14:46 to 14:48	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
219	03 July	14:42 to 14:44	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
220 (& 224)	03 July	09:58 to 10:23	9ºC, cloudy, no rain, gentle breeze (N)	TP & LQ

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Wetland #	Date (2025)	Time	Weather	Observers[1]
221	03 July	10:28 to 10:31	10ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
222 (& 65)	03 July	10:59 to 11:03	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
223	03 July	11:07 to 11:11	11ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
224 (& 220)	03 July	09:58 to 10:23	9ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
226	03 July	11:30 to 11:32	11ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
227	03 July	11:17 to 11:23	11ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
228	03 July	11:44 to 11:56	11ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
229 (& 230)	03 July	13:06 to 13:11	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
230 (& 229)	03 July	13:06 to 13:11	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
231 (& 233)	03 July	13:37 to 13:39	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
232 (dry)	03 July	13:42 to 13:43	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
233 (& 231)	03 July	13:37 to 13:39	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
234 (no wetland)	03 July	13:25 to 13:29	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
235 (& 236)	03 July	13:50 to 14:01	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
236 (& 235)	03 July	13:50 to 14:01	12ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
238 (& 68)	03 July	12:00 to 12:06	11ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
240	03 July	10:38 to 10:52	10ºC, mostly cloudy, no rain, gentle breeze (N)	TP & LQ
241	28 June	14:52 to 14:59	15ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
242	28 June	15:23 to 15:27	15ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
243	28 June	15:32 to 15:35	15ºC, mainly clear, no rain, gentle breeze (NE)	TP & LQ
244	30 June	07:37 to 07:57	5ºC, mostly cloudy, no rain, gentle breeze (NE)	TP & LQ
245 (& 246)	03 July	09:41 to 09:50	9ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
246 (& 245)	03 July	09:41 to 09:50	9ºC, cloudy, no rain, gentle breeze (N)	TP & LQ
247	03 July	15:18 to 15:33	12ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
251	04 July	11:52 to 11:55	13ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
252	04 July	11:58 to 12:06	13ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
253 (no wetland)	03 July	16:22 to 16:26	13ºC, mostly cloudy, no rain, light breeze (N)	TP & LQ
254	04 July	13:29 to 13:32	13ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
255	04 July	13:17 to 13:25	13ºC, mostly cloudy, no rain, gentle breeze (E)	TP & LQ
256	05 July	08:07 to 08:13	13ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
257	05 July	07:56 to 08:04	12ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
258	05 July	08:33 to 08:39	13ºC, mainly clear, no rain, strong breeze (N)	TP & LQ
259	27 June	13:55 to 14:13	10ºC, cloudy, no rain, moderate breeze (SE)	TP & LQ
260	27 June	14:21 to 14:29	10ºC, cloudy, no rain, moderate breeze (SE)	TP & LQ
261	26 June	09:27 to 09:33	12ºC, mostly clear, no rain, light air	DW & LQ

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Wetland #	Date (2025)	Time	Weather	Observers[1]
262	26 June	09:14 to 09:18	10ºC, mostly clear, no rain, light air	DW & LQ
263	25 June	10:20 to 10:27	8ºC, mostly cloudy, no rain, light air	DW & LQ
264 (& 41,155, 265)	28 June	11:55 to 12:01	12ºC, clear, no rain, gentle breeze (NE)	TP & LQ
265 (& 41,155, 264)	28 June	11:55 to 12:01	12ºC, clear, no rain, gentle breeze (NE)	TP & LQ

[1] DW = Dylan White; LQ = Lars Qaqqaq; TP = Tom Plath

APPENDIX IV

Detailed Results by Survey Location for Meliadine Gold Mine Waterbird Shoreline Surveys in 2025

Appendix IV

Wetland #	Date (2025)	Observations [1]
1	01 July	AMPI (1 adult; 1 carrying food), CAGO (13), LESA (2), RLHA (1 dark phase flying over), TUSW (1)
3	01 July	None observed
4	29 June	None observed
9	02 July	None observed
10	04 July	LTDU (1), SAVS (2)
16	29 June	AMPI (1), CAGO (40 flying; pair; 3 observed), HERG (1 incubating; 2 flying to nesting island), HOLA (pair), LALO (1 female; 1 male; 1 male carrying food; 1 female incubating 5 eggs), LESA (2 observed; 1 singing; 1 possible flush off nest), LTDU (pr), PALO (1), REDP (1), RTLO (1), SAVS (2), SEPL (1), WCSP (1)
17	01 July	AMPI (1 flushed and incubating 5 eggs), CAGO (3 flying), HERG (1 adult incubating), LALO (1 female on nest with 5 eggs; 1 male), LESA (1), PALO (pair), SACR (1 flying), TUSW (2 adults & 3, <1 week old cygnets)
23	25 June	CACG (4 flushed), CAGO (pair calling & agitated; 1 flying), HERG (1 observed; 1 on nest on island at lake edge), HOLA (4 singing; 1 flying), LALO (1 singing; 1 singing & displaying; 1 female foraging), LESA (1 calling; 1 foraging), SACR (pair), SAVS (2 singing), SEPL (1 calling)
38	28 June	None observed
41	28 June	None observed
44	28 June	None observed
45	06 July	None observed
46	06 July	None observed
47	06 July	None observed
56	05 July	None observed
60	28 June	None observed
63	03 July	None observed
65	03 July	None observed
68	03 July	None observed
72	01 July	None observed
73	01 July	LTDU (pair), REDP (1 flying), SAVS (1)
75	04 July	None observed
76	01 July	SEPL (1)
79	01 July	None observed
80	02 July	SEPL (pair with nest with 4 eggs; distraction display)
84	02 July	AMPI (1), LESA (1)
85	02 July	None observed
90	02 July	LESA (1)
91	02 July	HOLA (1), WCSP (2)

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Wetland #	Date (2025)	Observations [1]
94	02 July	REDP (1 flying)
95	02 July	SAVS (1)
96	02 July	LESA (1)
98	02 July	None observed
100	02 July	None observed
102	02 July	WCSP (1 carrying food)
104	02 July	AMPI (1), AMRO (6), CAGO (4 observed, pair; pair with 3 goslings), COGO (5), GRSC (2 observed; pair), GWTE (6), HOLA (5 observed; 3 flying), LESA (10), LTDU (25), NOPI (44 observed; 12 females), NOSV (pair; 1 male), LTDU (1 male), PALO (pair), RUBL (1 female), SEPL (7), SNBU (1 observed; pair; 1 male), TUSW (1), WCSP (1)
105	02 July	AMPI (1), CAGO (pair), HOLA (1)
106	24 June	CAGO (4 calling & landing in pond), HOLA (1 singing), LALO (1 calling; 1 singing and displaying), LESA (1 calling), LTDU (pair swimming in pond), SACR (1 calling), SAVS (1 singing)
107	24 June	AMPI (1 singing), HOLA (1 calling & carrying food; 1 singing), LALO (1 male displaying), SAVS (1 singing), TUSW (5 flying)
108	24 June	AMPI (1 singing), AMRO (1), CAGO (1 flying), HOLA (1 singing), LALO (1 singing & displaying), LESA (1 skulking), REDP (1 flying), SAVS (1 singing), WCSP (1 singing)
109	24 June	AMRO (1 singing), CAGO (pair agitated with nest but no eggs), HOLA (2 singing), LALO (2 singing; 1 female flushed), LESA (2 calling), SACR (pair calling), SAVS (1 singing), TUSW (1 landed in pond)
111	24 June	HOLA (2 singing), LALO (3 singing & displaying), LESA (4 calling & walking), SAVS (1 agitated), SEPL (1 calling)
112	24 June	CAGO (1 calling; pair agitated), HOLA (1 calling; 3 singing), LALO (2 singing; 1 calling; 1 male foraging), LTDU (pair swimming), PALO (1 flying), SAVS (1 singing), SACR (1 calling), SEPL (1 calling)
113	30 June	AMPI (1), AMRO (1), CAGO (13 flying), HERG (1 flying), LALO (2 female), LESA (2), REDP (2 female), SEPL (1), SESA (1), SNBU (1 male), TUSW (1), WCSP (1)
114	30 June	AMPI (3 observed; 1 female incubating), BAEA (1, 3-year-old; 1, 3-4-year-old), HOLA (1), LALO (1 female flushed), RTLO (1), SACR (1 female incubating; 3 flying), SNBU (1 female)
115	30 June	None observed
118	24 June	HOLA (pair calling), REDP (1 flying & calling), SACR (1 calling), SAVS (2 singing)
120	25 June	HOLA (1 singing), LALO (1 singing), LTDU (1 male swimming), SAVS (1 singing)
121	25 June	AMPI (1 calling), HOLA (2 singing; 2 flying), LESA (1 calling), SEPL (2 calling), WCSP (1 singing)
122	24 June	CAGO (10 taking off; pair swimming), HOLA (1 singing), LALO (1 calling; pair flushed), SAVS (1 singing), SEPL (1 calling)
123	24 June	CAGO (7 swimming & calling; pair on nest), HERG (1 flying), HOLA (pair flying; 1 singing), LALO (1 singing), LESA (1 flushed), RBME (1 female flying), SAVS (1 singing)

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Wetland #	Date (2025)	Observations [1]
124	25 June	CAGO (7 foraging & calling), HERG (1 resting on shore), HOLA (1 singing), LALO (3 singing; 1 singing & displaying), SACR (2 calling), SAVS (1 singing), SEPL (1 calling and on nest with 3 eggs), WCSP (1 singing)
125	25 June	CAGO (1 calling), HOLA (1 singing), LALO (pair flushed), REDP (1 flying & calling)
126	24 June	HOLA (1 calling), LALO (1 calling)
127	24 June	CAGO (1 calling), CORA (1 calling), HOLA (3 singing), LALO (2 singing; 1 calling), LESA (1 calling), NOPI (3 flying), SACR (pair foraging), SAVS (1 pair; 1 singing), SEPL (2 flying & calling), WCSP (1 singing)
128	24 June	LALO (1 singing), HOLA (1 singing; 1 carrying nest material), REDP (pair roosting & calling), SACR (1 calling), SAVS (1 singing), WCSP (1 singing)
129	25 June	CAGO (1 walking; 114 flying), HOLA (3 singing; 1 female flushed; 2 singing & chasing), LALO (3 singing; 2 singing & displaying), PALO (1 swimming), SACR (2 calling), SAVS (2 singing), TUSW (pair swimming)
130	25 June	AMPI (1 calling), HERG (1 flying over lake where nest is on island), HOLA (1 calling), LALO (1 singing; pair flushed; 1 male calling), SAVS (1 singing), WIPT (pair flushed & calling)
131	26 June	CAGO (pair calling), HOLA (1 singing), LALO (1 male calling), LTDU (1 female on small pond)
132	26 June	CAGO (pair agitated), LALO (1 singing & displaying; 1 singing), LESA (1 calling), REDP (1 calling), SACR (pair calling & flying)
133	26 June	AMPI (1 calling), CAGO (4 taking off), HOLA (2 singing & territorial chasing), LALO (1 singing), REDP (1 flying & calling), NOPI (2 males & 1 female territorial chasing), SAVS (1 foraging), SEPL (1 calling)
134	26 June	AMPI (2 singing), CAGO (5 flying), HOLA (3 singing), LALO (2 singing & displaying; 1 female flushed; 1 male calling), LESA (1 calling), LTDU (1 calling), NOPI (pair flying), REDP (1 flying & calling), SACR (pair calling), SAVS (1 agitated & probable nest), SEPL (1 calling), WCSP (1 calling)
135	26 June	LALO (1 calling), SACR (1 calling), SAVS (2 singing)
137	27 June	None observed
138	26 June	CAGO (36 flying), HOLA (pair singing), LALO (1 singing), LTDU (1 male swimming & calling), SACR (1 calling), SAVS (1 singing), WCSP (1 singing)
139	26 June	HOLA (1 singing), LALO (1 male calling), LTDU (1 male swimming & calling)
140	27 June	LALO (1), LTDU (1 male)
141	27 June	None observed
143	27 June	CAGO (4)
144	28 June	None observed
145	28 June	None observed
146	28 June	CAGO (1 incubating)
147	28 June	None observed
148	28 June	None observed
149	28 June	AMPI (1), CAGO (pair), HERG (1 flying), NOPI (pair flying in & landing in pond)

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Wetland #	Date (2025)	Observations [1]
150	28 June	CAGO (13 flying), LTDU (pair), ROPT (1)
152	28 June	HOLA (1)
153	28 June	None observed
154	28 June	None observed
155	28 June	None observed
156	28 June	None observed
157	28 June	HOLA (1)
158	27 June	LTDU (1 male), SAVS (1), SEPL (pair with distraction display & nest with 4 eggs)
159	28 June	LESA (1), ROPT (1)
161	28 June	None observed
162	28 June	LESA (1), NOPI (pair; 1 male), SEPL (3)
163	28 June	None observed
164	06 July	CAGO (3), CORA (pair), HERG (1 flying), NOPI (1 male flying; 2 males & 1 female), RTLO (1 flying)
165	06 July	LTDU (1 female)
166	06 July	None observed
167	06 July	LTDU (1 female)
168	06 July	None observed
169	06 July	None observed
170	06 July	None observed
171	06 July	SEPL (pair with distraction display & nest with 4 eggs)
172	06 July	Not a wetland so not done
173	06 July	HERG (2 flying), PALO (1)
174	06 July	None observed
175	06 July	Not a wetland so not done
176	06 July	HOLA (1 adult & 1 juvenile), PALO (pair flying), SAVS (1 observed; 1 carrying food), TUSW (1 flying)
177	05 July	None observed
179	06 July	Not a wetland so not done
180	05 July	CAGO (6 flying), LESA (1)
181	05 July	TUSW (1)
182	05 July	None observed
184	05 July	HERG (1 flying), LESA (1), NOPI (2 males & 1 female)
185	05 July	HOLA (2), LESA (2)
186	05 July	HERG (1 flying), SAVS (1)
187	05 July	TUSW (pair on an adjacent pond)

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Wetland #	Date (2025)	Observations [1]
188	04 July	None observed
189	04 July	TUSW (1 on another pond)
190	04 July	None observed
191	04 July	None observed
192	04 July	AMPI (1), LESA (1)
193	05 July	SACR (2 adults & 1 young)
194	03 July	None observed
195	03 July	None observed
196	03 July	None observed
197	03 July	None observed
198	03 July	None observed
199	03 July	HOLA (1 juvenile)
200	04 July	RTLO (1)
201	04 July	None observed
202	04 July	None observed
204	03 July	None observed
205	03 July	SEPL (1)
207	03 July	AMPI (1)
208	03 July	Not a wetland so not done
210	03 July	None observed
211	03 July	None observed
214	03 July	None observed
215	03 July	Not a true wetland as only 2 cm deep
217	03 July	None observed
218	03 July	None observed
219	03 July	None observed
220	03 July	None observed
221	03 July	LALO (1 male)
222	03 July	HOLA (2)
223	03 July	None observed
224	03 July	AMPI (1), LALO (1), LESA (2)
226	03 July	HERG (1 flying)
227	03 July	CAGO (1), HOLA (2)
228	03 July	AMPI (3), CAGO (1 incubating)
229	03 July	None observed

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Wetland #	Date (2025)	Observations [1]
230	03 July	None observed
231	03 July	None observed
232	03 July	Wetland dry and none observed
233	03 July	None observed
234	03 July	Not a true wetland
235	03 July	AMPI (1)
236	03 July	None observed
238	03 July	AMPI (1)
240	03 July	CORE (1), LESA (1)
241	28 June	HOLA (pair)
242	28 June	None observed
243	28 June	None observed
244	30 June	HERG (1 flying)
245	03 July	None observed
246	03 July	None observed
247	03 July	AMPI (1), PALO (1 observed; 1 flying)
251	04 July	None observed
252	04 July	None observed
253	03 July	Not a wetland
254	04 July	None observed
255	04 July	None observed
256	05 July	HERG (1 flying)
257	05 July	None observed
258	05 July	None observed
259	05 July	AMPI (1), CAGO (25 flying; pair alarm calling), HERG (1), SACR (1)
260	27 June	SEPL (1)
261	26 June	HOLA (1 singing), LALO (1 singing & displaying)
262	26 June	HOLA (pair singing), LALO (1 singing & displaying), SEPL (1 foraging)
263	25 June	HOLA (1 singing), LALO (3 singing), LESA (1 calling), SEPL (1 flushed & calling)
264	28 June	None observed
265	28 June	RLHA (1 hunting 500 m away)

[1] **Bird Codes:** AMCO (American Coot), AMPI (American Pipit), AMRO (American Robin), BAEA (Bald Eagle), CACG (Cackling Goose), CAGO (Canada Goose), COGO (Common Goldeneye), CORA (Common Raven), CORE (Common Redpoll), GRSC (Greater Scaup), GWTE (Green-winged Teal), HERG (Herring Gull), HOLA (Horned Lark), LALO (Lapland Longspur), LESA (Least Sandpiper), LTDU (Long-tailed Duck), NOPI (Northern Pintail), NOSV (Northern Shoveler), PALO (Pacific Loon), RBME (Red-breasted Merganser), REDP (Redpoll sp.), RLHA (Rough-legged Hawk), ROPT (Rock Ptarmigan), RTLO (Red-throated Loon), RUBL (Rusty Blackbird), SACR (Sandhill Crane), SAVS (Savannah Sparrow), SEPL (Semipalmated Plover), SEPL (Semipalmated Plover), SESA (Semipalmated Sandpiper), SNBU (Snow Bunting), TUSW (Tundra Swan), WCSP (White-crowned Sparrow), WIPT (Willow Ptarmigan)

APPENDIX V

Summary of Results by Species for the Meliadine Gold Mine Project Waterbird Shoreline Surveys in 2025

Appendix V

Common Name (Code)	Scientific Name	Wetland #	Total Wetlands
BIRDS			
American Pipit (AMPI)	*Anthus rubescens*	01, 16, 17, 84, 104, 105, 107, 108, 113, 114, 121, 130, 133, 134, 149, 192, 207, 224, 228, 235, 238, 247, 259	23
American Robin (AMRO)	*Turdus migratorius*	104, 108, 109, 113	4
Bald Eagle (BAEA)	*Haliaeetus leucocephalus*	114	1
Cackling Goose (CACG)	*Branta hutchinsii*	23	1
Canada Goose (CAGO, CANG)	*Branta canadensis*	01, 16, 17, 23, 104, 105, 106, 108, 109, 112, 113, 122, 123, 124, 125, 127, 129, 131, 132, 133, 134, 138, 143, 146, 149, 150, 164, 180, 227, 228, 259	31
Common Goldeneye (COGO)	*Bucephala clangula*	104	1
Common Raven (CORA)	*Corvus corax*	127, 164	2
Greater Scaup (GRSC)	*Aythya marila*	104	1
Green-winged Teal (GWTE)	*Anas carolinensis*	104	1
Herring Gull (HERG)	*Larus argentatus*	16, 17, 23, 113, 123, 124, 130, 149, 164, 173, 184, 186, 226, 244, 256, 259	16
Horned Lark (HOLA)	*Eremophila alpestris*	16, 23, 91, 104, 105, 106, 107, 108, 109, 111, 112, 114, 118, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 133, 134, 138, 139, 152, 157, 176, 185, 199, 222, 227, 241, 261, 262, 263	40
Lapland Longspur (LALO)	*Calcarius lapponicus*	16, 17, 23, 106, 107, 108, 109, 111, 112, 113, 114, 120, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 138, 139, 140, 221, 224, 261, 262, 263	34
Least Sandpiper (LESA)	*Calidris minutilla*	01, 16, 17, 23, 84, 90, 96, 104, 106, 108, 109, 111, 113, 121, 123, 127, 132, 134, 159, 162, 180, 184, 185, 192, 224, 240, 263	27
Long-tailed Duck (LTDU)	*Clangula hyemalis*	10, 16, 73, 104, 106, 112, 120, 131, 134, 138, 139, 140, 150, 158, 165, 167	16
Northern Pintail (NOPI)	*Anas acuta*	104, 127, 133, 134, 149, 162, 164, 184	8
Northern Shoveler (NOSV)	*Anas clypeata*	104	1
Pacific Loon (PALO)	*Gavia pacifica*	16, 17, 104, 112, 129, 173, 176, 247	8
Redpoll sp. (CORE, REDP)	*Acanthis*	16, 73, 94, 108, 113, 118, 125, 128, 132, 133, 134, 240	12

Appendix V

Common Name (Code)	Scientific Name	Wetland #	Total Wetlands
BIRDS			
Red-breasted Merganser (RBME)	*Mergus serrator*	123	1
Rough-legged Hawk (RLHA)	*Buteo lagopus*	01	1
Red-throated Loon (RTLO)	*Gavia stellata*	16, 114, 164, 200	4
Rock Ptarmigan (ROPT)	*Lagopus muta*	150, 159	2
Rusty Blackbird (RUBL)	*Euphagus carolinus*	104	1
Sandhill Crane (SACR)	*Grus canadensis*	17, 23, 106, 109, 112, 114, 118, 124, 127, 128, 129, 132, 134, 135, 138, 193, 259	17
Savannah Sparrow (SAVS)	*Passerculus sandwichensis*	10, 16, 17, 23, 73, 95, 106, 107, 108, 109, 111, 112, 118, 120, 122, 123, 124, 127, 128, 129, 130, 133, 134, 135, 138, 158, 176, 186	28
Semipalmated Plover (SEPL)	*Charadrius semipalmatus*	16, 23, 76, 80, 104, 111, 112, 113, 121, 122, 124, 127, 133, 134, 158, 162, 171, 205, 260, 262, 263	21
Semipalmated Sandpiper (SESA)	*Calidris pusilla*	113	1
Snow Bunting (SNBU)	*Plectrophenax nivalis*	104, 113, 114	3
Tundra Swan (TUSW)	*Cygnus columbianus*	01, 17, 104, 107, 109, 113, 129, 176, 181, 187, 189	11
White-crowned Sparrow (WCSP)	*Zonotrichia leucophrys*	16, 91, 102, 104, 108, 113, 121, 124, 127, 128, 134, 138	12
Willow Ptarmigan (WIPT)	*Lagopus lagopus*	130	1
Total # of Species	31		

APPENDIX VI

Results for the Meliadine Gold Mine Project Bird Nest Monitoring in 2025

Appendix VI

Date 2025	Location and/or Coordinates (15V)	Observers [2]	Species	Bird or Nest Observation	Mitigation Actions
May 23 [1]	Start: 544238 6965010 End: 545860 6963709 Timing: 14:46 to 15:55	DB, IL, NS, SK	None observed	Not applicable	No mitigation required
May 23 [1]	Start: 544777 6987826 End: 541064 6987453 Timing: 08:15 to 08:36	NS, SK	None observed	Not applicable	No mitigation required
May 27 [1]	Start: 544234 6965094 End: 545862 6963700 Timing: 15:54 to 16:56	BI, DB, RL, SK	None observed	Not applicable	No mitigation required
May 31 [1]	Start: 544249 6965022 End: 545855 6963714 Timing: 10:04 to 10:45	AT, ML, NS, SK	None observed	Not applicable	No mitigation required
June 02 [1]	Start: 540004 6988145 End: 540659 6988142 Timing: 11:30 to 12:30	RS	None observed	Not applicable	No mitigation required
June 05	B34 15V 539135 6987847	MM	Canada Goose	Nest ID33; nest observed on a tundra hummock in the middle of Lake B34	Notified relevant departments of the presence of the nest to increase awareness. Reduced the posted speed limit on the roads to 10 km/hr. Applied water to the road surface to mitigate dust until the eggs hatch as needed. Implemented periodic low-impact monitoring to note outcome of the nesting attempt and foraging information.
June 05	Dyno Road 15V 538781 6990329	MM	Sandhill Crane	Adult observed on nest	Notified relevant departments of the presence of the nest to increase awareness. Reduced the posted speed limit on the roads to 10 km/hr. Applied water to the road surface to mitigate dust until the eggs hatch as needed. Implemented periodic low-impact monitoring to note outcome of the nesting attempt and foraging information.

Appendix VI

Date 2025	Location and/or Coordinates (15V)	Observers [2]	Species	Bird or Nest Observation	Mitigation Actions
June 11	Tailing Storage Facility 15V 538322 6990260	MM	Canada Goose	One adult observed nesting	Notified relevant departments of the presence of the nest to increase awareness. Reduced the tailings deposition speed to reduce the dust plume. Applied water to the active TSF cell to mitigate dust until the egg(s) hatch as needed. Implemented periodic low-impact monitoring to note outcome of the nesting attempt and foraging information.
June 28 [1]	Start: 539682 6989848 End: 540648 6988586 Timing: 11:30 to 12:30	ML, SK	None observed	Not applicable	No mitigation required
June 29	By Crusher pad 15V 540329 6988173	TP	Sandhill Crane	Nest ID34; nest located behind the crusher pad near SP4/dewatered A37	Notified relevant departments to raise awareness of the nest's presence. Restricted foot traffic and prohibited vehicle stops within a 200 m radius until the young have fledged. Conducted periodic, low-impact monitoring to assess the nesting outcome and gather foraging data.
June 29	Shore of Lake A8 15V 540700 6987490	Andrew	Tundra Swan	Nest ID35; nest observed (likely with eggs) on the shore of Lake A8	No mitigation required
June 30	B38 15V 539990 6986604	ML, SK	Unknown	Nest ID36; bird nest on tundra hummock on B38; nest likely has eggs	No mitigation required
July 01	B34 15V 539135 6987847	SK	Canada Goose	Nest ID33; bird observed sitting on nest	Notified relevant departments of the presence of the nests to increase awareness. Reduced the posted speed limit on the roads to 10 km/hr. Applied water to the road surface to mitigate dust until the eggs hatch as needed. Implemented periodic low-impact monitoring to note outcome of the nesting attempt and foraging information.

Appendix VI

Date 2025	Location and/or Coordinates (15V)	Observers [2]	Species	Bird or Nest Observation	Mitigation Actions
July 01	B38 15V 539990 6986604	SK	Unknown	Nest ID36; unknown bird observed sitting on nest with a second bird observed on alert near the nest	No mitigation required
July 01	SWTP 15V 539983 6988733	SK	American Robin	Nest ID37; observed sitting on nest with eggs	No mitigation required
July 02	B34 15V 539135 6987847	EC	Canada Goose	Nest ID33	Notified relevant departments of the presence of the nests to increase awareness. Reduced the posted speed limit on the roads to 10 km/hr. Applied water to the road surface to mitigate dust until the eggs hatch as needed. Implemented periodic low-impact monitoring to note outcome of the nesting attempt and foraging information.
July 02	A37 15V 540614 6987921	EC	Sandhill Crane	Nest ID34; adult and young left the nest	Notified relevant departments to raise awareness of the nest's presence. Restricted foot traffic and prohibited vehicle stops within a 200 m radius until the young have fledged. Conducted periodic, low-impact monitoring to assess the nesting outcome and gather foraging data.
July 02	Shore of Lake A8 15V 540700 6987490	EC	Tundra Swan	Nest ID35; no adult or egg was found in or around the nest; sign of predation was found (eggshell in the nest)	No mitigation required
July 03	Crusher Pad 15V 540317 6988161	JR	White-crowned Sparrow	Nest ID38; 1 adult was observed going back and forth to the nest on the crusher	Activity was stopped at the crusher
July 04	CP1 15V 539522 6990018	EC, JR	White-crowned Sparrow	Nest ID39; nest found during bird sweep; 2 young and 2 eggs were found in nest north of CP	No mitigation required

Appendix VI

Date 2025	Location and/or Coordinates (15V)	Observers [2]	Species	Bird or Nest Observation	Mitigation Actions
July 04	CP1 15V 539691 6989838	EC, JR	White-crowned Sparrow	Nest ID40; nest found during bird sweep; 5 young birds were found in the nest, one day old, hidden under the EWTP discharge line	No mitigation required
July 04	Process Plant 15V 539120 6990025	EC, JR	Unknown	Nest ID41; an empty nest was found at the top of a manlift, with neither bird nor egg around; it was removed from the location	Abandoned nest removed
July 04	Warehouse Pad 2 15V 539881 6989263	KS	Snow Bunting	Nest ID42; while working in the seacan laydown area, the Hyster operator observed a bird entering and exiting the bottom of seacan; environmental personnel confirmed the presence of a nest	The row has been closed to all work and the seacan behind it has been tagged to restrict movement.
July 04	Warehouse Pad 1 15V 539414 6990210	EC, JR	White-crowned Sparrow	Nest ID44; a nest in building stage was found at the base of seacan PNSU2230930 (orange)	Work in the area may continue but the seacan must remain there
July 05	CP1 15V 539691 6989838	JR	White-crowned Sparrow	Nest ID40; nest was not found; 2 adults were seen flying around and displaying	No mitigation required
July 05	CP1 15V 539522 6990018	JR	White-crowned Sparrow	Nest ID39; adult and 5 young were seen in the nest	No mitigation required
July 05	Crusher Pad 15V 540317 6988161	JR	White-crowned Sparrow	Nest ID38; no birds were seen around or in the nest	No mitigation required

Appendix VI

Date 2025	Location and/or Coordinates (15V)	Observers [2]	Species	Bird or Nest Observation	Mitigation Actions
July 05	SWTP 15V 539983 6988733	JR	American Robin	Nest ID37; no birds were seen; the nest was too high to observe eggs	No mitigation required
July 05	B34 15V 539135 6987847	JR	Canada Goose	Nest ID33; no goose was observed around B34	Notified relevant departments of the presence of the nests to increase awareness. Reduced the posted speed limit on the roads to 10 km/hr. Applied water to the road surface to mitigate dust until the eggs hatch as needed. Implemented periodic low-impact monitoring to note outcome of the nesting attempt and foraging information.
July 07	B34 15V 539135 6987847	JR	Canada Goose	Nest ID33; goose observed sitting on the nest	Notified relevant departments of the presence of the nests to increase awareness. Reduced the posted speed limit on the roads to 10 km/hr. Applied water to the road surface to mitigate dust until the eggs hatch as needed. Implemented periodic low-impact monitoring to note outcome of the nesting attempt and foraging information.
July 07	Crusher Pad 15V 540317 6988161	JR	White-crowned Sparrow	Nest ID38; female observed sitting in the nest	No mitigation required
July 15	CP1 15V 539522 6990018	IL	White-crowned Sparrow	Nest ID39; no young in the nest; one egg was in the nest; no birds flying around	No mitigation required
July 15	Warehouse Pad 2 15V 539881 6989263	IL	Snow Bunting	Nest ID42; bird observed sitting on nest	The row has been closed to all work, and the seacan behind it has been tagged to restrict movement.
July 15	Warehouse Pad 1 15V 539414 6990210	IL	White-crowned Sparrow	Nest ID44; no birds were found	Work in the area may continue but the seacan must remain there
July 15	B34 15V 539135 6987847	IL	Canada Goose	Nest ID33; no birds observed around or in the nest	Notified relevant departments of the presence of the nests to increase awareness. Reduced the posted speed limit on the roads to 10 km/hr. Applied water to the road surface to mitigate dust until the eggs hatch as needed. Implemented periodic low-impact monitoring to note outcome of the nesting attempt and foraging information.

Appendix VI

Date 2025	Location and/or Coordinates (15V)	Observers [2]	Species	Bird or Nest Observation	Mitigation Actions
July 15	B38 15V 539990 6986604	IL	Unknown	Nest ID36; no birds or nest seen	No mitigation required
July 15	Crusher Pad 15V 540317 6988161	IL	White-crowned Sparrow	Nest ID38; 3 birds found in nest and birds also flying around	No mitigation required
July 15	CP1 15V 539691 6989838	IL	White-crowned Sparrow	Nest ID40; no birds or nest found	No mitigation required
July 20	CP1 15V 539691 6989838	IL	White-crowned Sparrow	Nest ID40; no birds or nest found	No mitigation required
July 20	Crusher Pad 15V 540317 6988161	IL	White-crowned Sparrow	Nest ID38; 3 baby birds found in nest and birds also flying around	No mitigation required
July 20	B34 15V 539135 6987847	IL	Canada Goose	Nest ID33; no birds were observed around or in the nest; a pair and few goslings were near the lake	No mitigation required
July 20	B38 15V 539990 6986604	IL	Unknown	Nest ID36; no bird or nest seen; poor weather conditions; should check again	No mitigation required
July 20	CP1 15V 539522 6990018	IL	White-crowned Sparrow	Nest ID39; no young in the nest; one egg (apparently dead) was in the nest; some birds flying around	No mitigation required
July 20	Warehouse Pad 2 15V 539881 6989263	IL	Snow Bunting	Nest ID42; bird observed sitting on nest; multiple other nests (at least 3) found in the area	The row has been closed to all work, and the seacan behind it has been tagged to restrict movement.

Appendix VI

Date 2025	Location and/or Coordinates (15V)	Observers [2]	Species	Bird or Nest Observation	Mitigation Actions
August [1] 03	Start: 62.85413° N, 92.14414° W End: 62.85211° N, 92.14044° W Timing: 13:07 to 13:22	MW, PM	None observed	Not applicable	No mitigation required

[1] Pre-clearance bird nest surveys
[2] Observers: AT (Amy Tagoona), BI (Brandon Ipkarnerk), DB (Dylan B.), EC (Emma Cook), IL (Isabella Lamosa), KS (Kevin Smith), JR (Jade Robitaille), ML (Magalie L'Ecuyer), MM (Mark Miller), MW (Matthew Whall), NS (Nicholas Schulz), RL (Robert Lofft), PM (Pier-Eric MacDonald), RS (Randy Schwandt), SK (Spencer Knowles), TP (Thomas Plath)

APPENDIX F

Arctic Raptors Nest Monitoring Program Report, 2025

Agnico Eagle Mines Ltd. Meliadine Arctic Raptor Nest Monitoring Program – 2025 Summary Report



Photo Credit: Hugues Deglaire

Prepared For
Agnico Eagle Mines Ltd
Meliadine Mine
Rankin Inlet, NU X0C 0G0

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February 2026

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Down to Earth Biology

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AUTHORSHIP

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1 INTRODUCTION

Agnico Eagle Mines Limited (Agnico Eagle) is operating the Meliadine Mine, located approximately 25 km north of Rankin Inlet, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut (Figure 1). The Nunavut Impact Review Board provided Terms and Conditions to Agnico Eagle in February 2015 related to management and mitigation for birds and bird habitat (including raptors) associated with the Meliadine Mine.

The following terms and conditions were included under Project Certificate No. 006 including Amendment No. 001 (February 2019) and Amendment No. 002 (March 2022):

- Term and Condition (T&C) 59; Species at Risk — If Species at Risk or their nests and eggs are encountered during Project activities or monitoring programs, the primary mitigation measure must be avoidance. The Proponent shall establish clear zones of avoidance based on the species-specific nest setback distances outlined in the Terrestrial Environment Management and Monitoring Plan.
- T&C 60; Species at Risk — The Proponent shall ensure that the mitigation and monitoring strategies developed for Species at Risk are updated as necessary to maintain consistency with any applicable status reports, recovery strategies, action plans and management plans that may become available during the duration of the Project.
- T&C 61; Construction/clearing activities — Prior to bird breeding season, the Proponent shall either conduct clearing activities or identify and install nesting deterrents (e.g., flagging) to discourage birds from nesting in areas likely to be disturbed by construction/clearing activities. If clearing is to take place during the nesting season, a nest survey should take place to identify nests and any identified nests must remain undisturbed until the young have fledged or left the nest. Any nests identified shall be included as part of the annual reporting for the Terrestrial Environmental Mitigation and Monitoring Plan (TEMMP).
- T&C 62; Construction/clearing activities — The Proponent shall protect any nests found (or indicated nests) with a buffer zone determined by the setback distances outlined in its Terrestrial Environment Mitigation and Monitoring Plan (TEMMP), until the young have fledged. If it is determined that observance of these setbacks is not feasible, the Proponent will develop nest-specific guidelines and procedures to ensure bird's nests and their young are protected.
- T&C 71; Monitoring — The Proponent shall develop detailed and robust mitigation and monitoring plans for migratory birds, reflecting input from relevant agencies, the Kivalliq Inuit Association and communities.
- T&C 72; Monitoring — The Proponent shall continue to develop and update relevant monitoring and management plans for migratory birds under the Proponent's Environmental Protection Plan and Terrestrial Environment Mitigation and Monitoring Plan (TEMMP) prior to construction. The key indicators for follow up monitoring under this plan will include upland birds (including migratory birds), waterbirds, raptors, and seabirds including migration and wintering.

To adhere to these terms and conditions, Agnico Eagle retained Alastair Franke, PhD, of Arctic Raptor Inc. (Arctic Raptors) to develop the Meliadine Arctic Raptor Monitoring Program.Alistair Franke and his team of researchers supported Agnico Eagle with the Raptor Monitoring Program in the Kivalliq region since 2015. In 2025, Environmental Dynamics Inc. (EDI) continued to support Agnico Eagle by building on the work previously completed by Alastair's team, with assistance from one of his former team members, to ensure consistency in fieldwork and data collection.

EDI submitted a Nunavut Wildlife Research Permit Application to the Government of Nunavut Department of Environment — Wildlife Research Section on April 23, 2025. The approved permit (WL 2025-038) was received on June 2, 2025, and was validated from May 15 to August 31, 2025.

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540000
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N
Mine Site
Rankin Inlet
Rankin Inlet

General Location and Study Area of the Agnico Eagle Meliadine Raptor Nest Monitoring Program; 2025.

Agnico Eagle Mines Ltd.

Legend

- Surveyed Nest Locations
- Study Area
- Iqalugaarjuup Nunanga Territorial Park



0 5 10 15 20
Kilometres

Map Scale = 1:250,000 (printed on 11 x 17)
Map Projection: NAD 1983 CSRS UTM Zone 15N

Data Sources

- Project Data. EDI. October, 2025.
- Parks Data. Government of Nunavut. 2025.
- Basemap. World Hillshade. Earthstar Geographics

Disclaimer
EDI Environmental Dynamics Inc. has made every effort to verify this map is free of errors. Data have been derived from a variety of digital sources and, as such, EDI does not warrant the accuracy, completeness, or reliability of this map or its data.

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EDI

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2 FIELD SURVEY METHODS

The 2025 Meliadine Raptor Nest Monitoring Program followed survey methods used previously by Arctic Raptors. The focus of these surveys was to search 203 known nesting sites, previously identified by Arctic Raptors, for the presence of cliff-nesting raptors within the Meliadine study area. The primary species of cliff-nesting raptors that were surveyed for include Peregrine Falcon (*Falco peregrinus*; Appendix Photo A-1 and Appendix Photo A-2) and Rough-legged Hawk (*Buteo lagopus*; Appendix Photo A-3 and Appendix Photo A-4); however, all raptor and corvid nests observed during the surveys are documented and monitored. The survey method involved two rounds in 2025: one in June and one in August, to assess raptor nest occupancy and reproductive success. The survey rounds were conducted on the following date ranges:

- Round 1: May 30 to June 1; and,
- Round 2:August 7 to 14.

Two survey rounds are required to calculate occupancy while accounting for detection error. The second survey round in August was also used to assess the reproductive success of occupied nests. The majority of the survey in both survey rounds was conducted by a helicopter supplied by Agnico Eagle/Custom Helicopter Ltd., and the survey crew was composed of the following individuals:

- helicopter pilot: Round 1 – Simon Gagnon; Round 2 – Jackson Schrofel;
- navigator/data collection: Jeremi Skelton, Environmental Specialist EDI; and,
- primary observer: Hughes Deglaire, Wildlife Biologist.

Typically, the helicopter would depart from the Rankin Inlet airport, and with the use of an iPad and the ArcGIS Field Maps application displaying a digital map of the nest locations, the navigator would instruct the pilot which direction to fly to access each nest location. Once near the nest location, the pilot would then position the helicopter to the nest or suitable nesting habitat (i.e., steep cliff faces and rock cuts, exposed rock at waterbody edges; Appendix Photo A-5 to Appendix Photo A-8) on the side of the navigator and primary observer. All crew members would scan the nesting habitat to attempt to locate the nest or the presence of adult birds, orange lichen growth on rock walls, feces, whitewash, and/or nesting material, which may also indicate a potential nesting site. If a nest were located, the primary observer would assess its occupancy status and relay the information to the navigator for data collection.

With the use of the ArcGIS Field Maps application, several site-specific parameters could be added for each nest site documented. New nests that were not previously identified were also recorded during this time. In addition to the structured surveys, a potential favourable nesting habitat was also searched opportunistically when ferrying between nest locations and/or the Rankin Inlet airport. Sites were considered occupied if one or more adults displayed territorial or reproductive behaviour (e.g., vocalization and/or flight behaviour associated with defence of breeding territory or presence of nest building, nest, or eggs). The following data parameters were collected at each nest site:

- raptor/bird species;
- UTM location;
- date and time;
- abundance of individuals (adults and young);
- nest occupancy status;
- nest success status; and,
- notes/description.

As part of Agnico Eagle's policy, the helicopter could not be flown within 610 m (2,000 feet) of local cabins, or within 1,000 m vertical and 1,500 m horizontal distances over large herds (>50 caribou) of barren-ground caribou (*Rangifer tarandus groenlandicus*). The general areas of known radio-collared barren-ground caribou were relayed to the survey crew from representatives at Agnico Eagle as areas to avoid during the raptor nest surveys, and no barren-ground caribou herds were observed during the surveys. Additionally, Agnico Eagle air traffic is restricted over the Iqalugaarjuup Nunanga Territorial Park, where six previously identified nest sites were located. As such, these previously identified nest sites could either not be visited during a survey round or were visited by the survey crew on the ground when feasible. Details of these nest sites are provided in Appendix Table B-1.

3 FIELD SURVEY RESULTS

A total of 228 nest locations were surveyed within the Meliadine study area in 2025. Of these, 203 were identified in previous survey seasons by Arctic Raptors and re-visited in 2025, and 25 were new nests that had not been identified in earlier surveys.

3.1 NEST OCCUPANCY SUMMARY

Of the total 228 nests surveyed, 52 were occupied by raptors in the 2025 breeding season, 149 were not occupied, and the occupancy status of 27 nests could not be determined (Appendix Table B-1 and Figure 2). The species occupancy included five raptor and one corvid species (Table 1).

Most of the nests within the Meliadine study area were those of Rough-legged Hawk (127), followed by Peregrine Falcon (68). Due to age and lack of recent occupancy evidence (i.e., twigs, platforms, feathers), 16 historic nest locations had either been previously used by either species at some point and classified accordingly (i.e., Rough-legged Hawk/Peregrine Falcon).

Ten nest sites were determined as 'Unknown' due to lack of occupancy evidence and/or suitable nesting habitat (i.e., open tundra with no rock or cliffs). The remaining five nests were those of Common Raven (*Corvus corax*). Although not typically part of the survey, two historic nest sites of Snowy Owl (*Bubo scandiacus* [1]) and Short-eared Owl (*Asio flammeus* [1]) were visited in 2025; however, these species do not typically reuse the same nest sites in consecutive years, and neither nest nor evidence of a nest was observed in 2025. Details of the occupancy status of the 228 nests/nest locations visited in 2025 are presented in Table 1 and Figure 2.

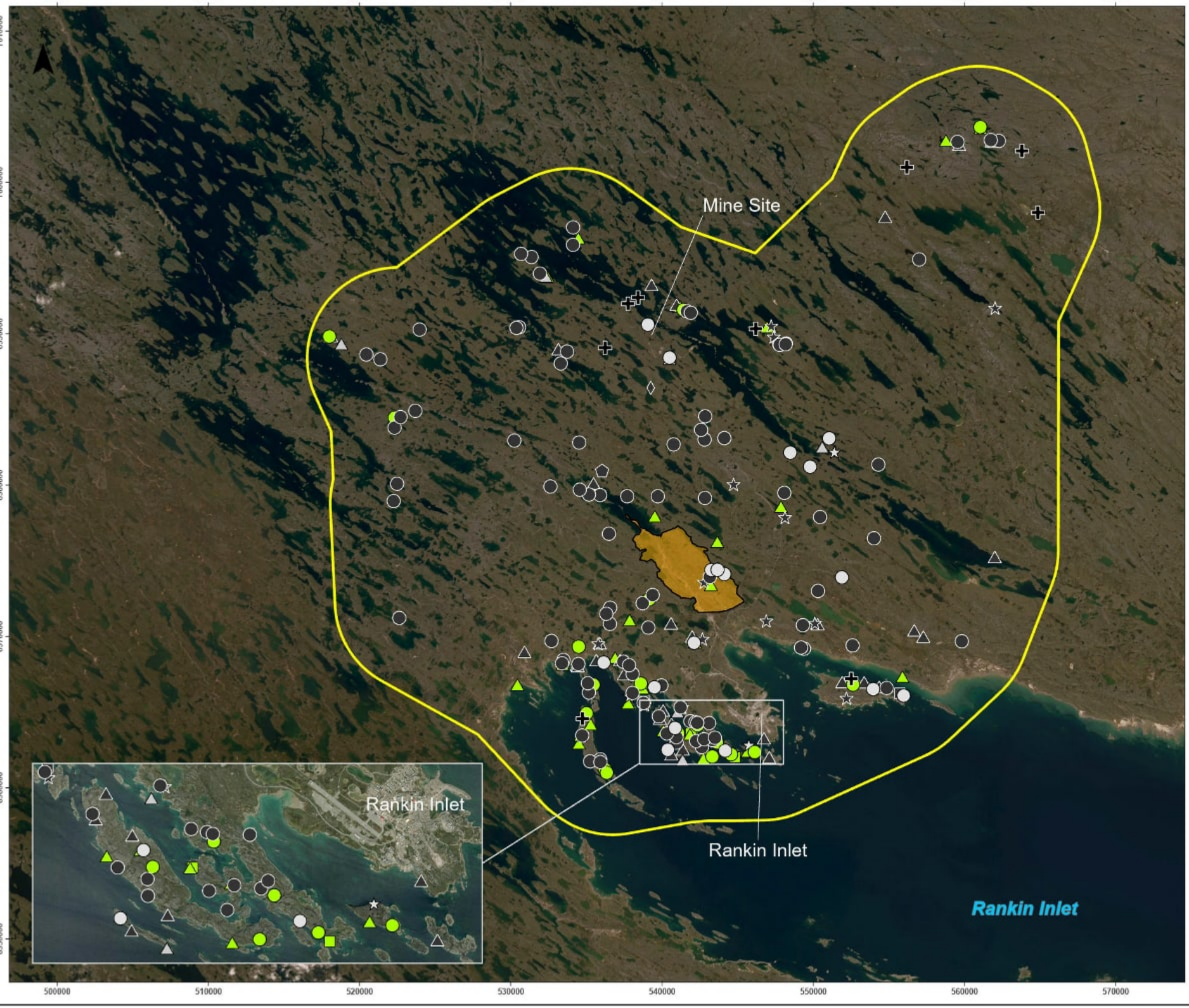
Table 1. Nest occupancy summary by species for the 2025 Agnico Eagle Meliadine Raptor Nest Monitoring Program.

Species[1]	Nest Occupied	Nest Not Occupied	Occupancy Status Unknown	Total
Common Raven	3	2	0	5
Peregrine Falcon	30	31	7	68
Rough-legged Hawk	19	91	17	127
Peregrine Falcon/ Rough-legged Hawk	0	13	3	16
Short-eared Owl	0	1	0	1
Snowy Owl	0	1	0	1
Unknown	0	10	0	10
Total	**52**	**149**	**27**	**228**

[1] Common Raven (*Corvus corax*), Peregrine Falcon (*Falco peregrinus*), Rough-legged Hawk (*Buteo lagopus*), Short-eared Owl (*Asio flammeus*), Snowy Owl (*Bubo scandiacus*)

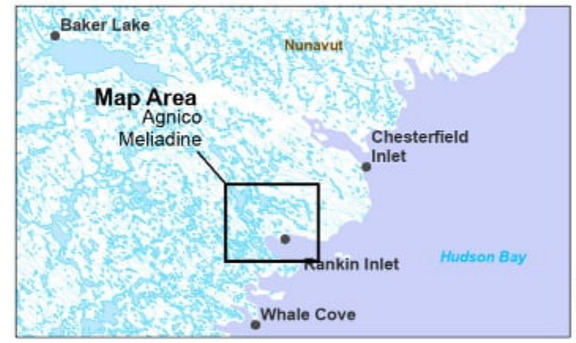
Nest Occupancy Status Summary for the Agnico Eagle Meliadine Raptor Nest Monitoring Program; 2025.

Agnico Eagle Mines Ltd.



Legend

Nest Occupancy
- Common Raven - Active
- Common Raven - Not Active
- Peregrine Falcon - Active
- Peregrine Falcon - Not Active
- Peregrine Falcon - Unknown
- Peregrine Falcon, Rough-legged Hawk - Not Active
- Peregrine Falcon, Rough-legged Hawk - Unknown
- Rough-legged Hawk - Active
- Rough-legged Hawk - Not Active
- Rough-legged Hawk - Unknown
- Short-eared Owl - Not Active
- Snowy Owl - Not Active
- Unknown - Not Active
- Study Area
- Iqalugaarjuup Nunanga Territorial Park



0 4 8 12 16
Kilometres

Map Scale = 1:250,000 (printed on 11 x 17)
Map Projection: NAD 1983 CSRS UTM Zone 15N

Data Sources

- Project Data. EDI. October, 2025.
- Parks Data. Government of Nunavut. 2025.
- Basemap. World Hillshade. Earthstar Geographics

Disclaimer

EDI Environmental Dynamics Inc. has made every effort to verify this map is free of errors. Data have been derived from a variety of digital sources and, as such, EDI does not warrant the accuracy, completeness, or reliability of this map or its data.

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PH	JS	Figure 2	Date: 11/7/2025

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3.2 NEST SUCCESS SUMMARY

As stated in Section 3.1, 52 of the 228 nests were occupied at some point during the 2025 breeding season. Of these 52 nests, 15 were determined to be successful, and the nest success of the remaining 37 could not be confidently confirmed due to the absence of adults, young, or eggshells during the second round of surveys (Table 2 and Figure 3). The nests with an unknown success status could have been successful, abandoned due to weather conditions, or predated; however, because of the absence of young, a determination could not be confidently made.

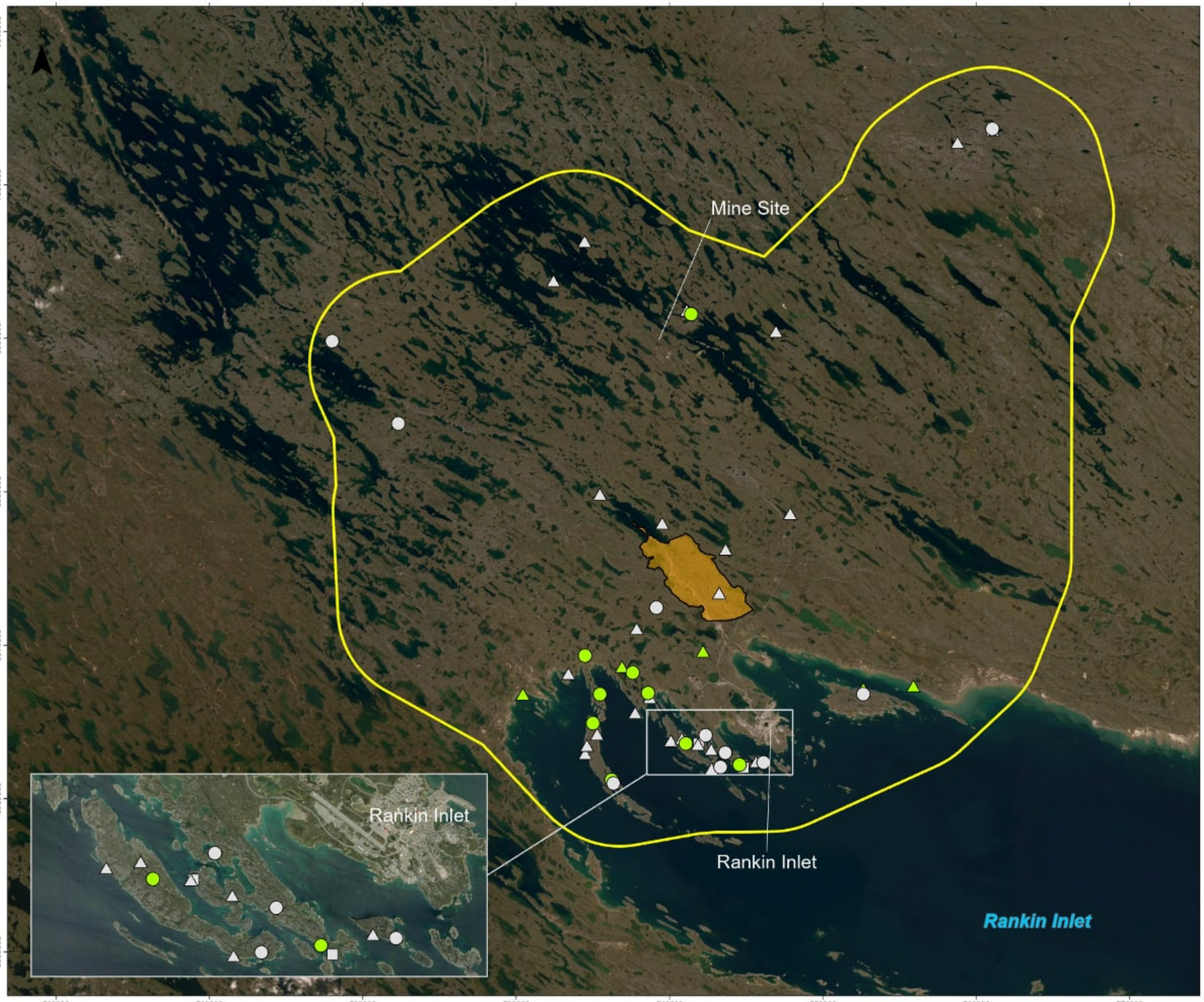
Table 2. Nest success summary for the Agnico Eagle Meliadine Raptor Nest Monitoring Program; 2025.

Species[1]	Nest Successful	Nest Status Unknown	Total
Common Raven	0	3	3
Peregrine Falcon	6	24	30
Rough-legged Hawk	9	10	19
Total	**15**	**37**	**52**

[1] Common Raven (*Corvus corax*), Peregrine Falcon (*Falco peregrinus*), Rough-legged Hawk (*Buteo lagopus*).

Nest Success Summary for the Agnico Eagle Meliadine Raptor Nest Monitoring Program; 2025.

Agnico Eagle Mines Ltd.

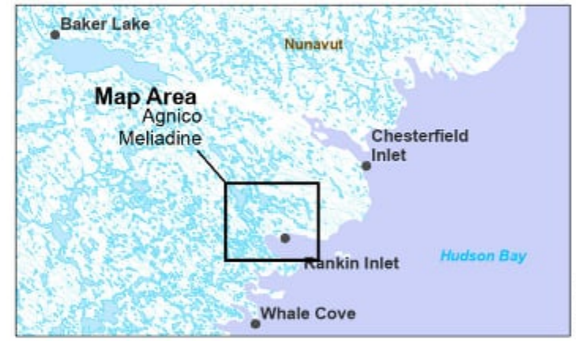


Legend

Nest Success

- Common Raven - Unknown
- Peregrine Falcon - Successful
- Peregrine Falcon - Unknown
- Rough-legged Hawk - Successful
- Rough-legged Hawk - Unknown

- Study Area
- Iqalugaarjuup Nunanga Territorial Park



0 4 8 12 16

Kilometres

Map Scale = 1:250,000 (printed on 11 x 17)
Map Projection: NAD 1983 CSRS UTM Zone 15N

Data Sources

- Project Data. EDI. October, 2025.
- Parks Data. Government of Nunavut. 2025.
- Basemap. World Hillshade. Earthstar Geographics

Disclaimer

EDI Environmental Dynamics Inc. has made every effort to verify this map is free of errors. Data have been derived from a variety of digital sources and, as such, EDI does not warrant the accuracy, completeness, or reliability of this map or its data.

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PH	JS	Figure 3	Date: 11/7/2025

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3.3 RAPTOR OBSERVATIONS

The surveys documented 80 adult and 14 young Peregrine Falcon, 30 adult and 16 young Rough-legged Hawk, and 1 Common Raven with 2 young (Appendix Table B-1). The breakdown of species by age and sex classes is provided in Table 3. The adults of each species type were observed at nest site itself, or perched or circling nearby, while the young were all observed within the nest/nest platform.

Table 3. Individual raptor observations for the Agnico Eagle Meliadine Raptor Nest Monitoring Program; 2025.

Species[1]	Adult Males	Adult Females	Adult Unknown Gender	Total Adults	Total Young
Common Raven	-	-	1	1	2
Peregrine Falcon	7	34	39	80	14
Rough-legged Hawk	8	9	13	30	16
Total	**15**	**43**	**53**	**111**	**32**

[1] Common Raven (*Corvus corax*), Peregrine Falcon (*Falco peregrinus*), Rough-legged Hawk (*Buteo lagopus*).

4 CLOSURE

We trust that this summary meets your present requirements for the 2025 surveys. After the completion of the 2026 surveys, EDI will prepare a final report describing study methods, the results of the 2025 and 2026 surveys, and the results of a formal analysis incorporating data from the 2025–2026 surveys and historical surveys (2015–2023) collected as part of the Meliadine Raptor Monitoring Program.

If you have any questions regarding this summary report or the planned surveys for 2026, please get in touch with us at your convenience. We look forward to continuing to support you with this Project.

Yours truly,

EDI Environmental Dynamics Inc.

Jeremi Skelton, Diploma Nat. Res. Mngmt.
Environmental Specialist

JS/CJ/MS

5 REFERENCES

Agnico Eagle. 2022. Agnico Eagle Meliadine Division Terrestrial Environment Management and Monitoring Plan (TEMMP).

NIRB. 2022. NIRB Meliadine Gold Mine Project Certificate [NO.: 006] Amendment No. 002. March 2nd, 2022. Nunavut Impact Review Board (NIRB).

APPENDICES

APPENDIX A PHOTOGRAPHS



Appendix Photo A-1. Example of an adult Peregrine Falcon observed during the Meliadine Arctic Raptor Monitoring Program.



Appendix Photo A-2. Example of Peregrine Falcon young observed during the Meliadine Arctic Raptor Monitoring Program.



Appendix Photo A-3. Example of an adult Rough-legged Hawk observed during the Meliadine Arctic Raptor Monitoring Program.



Appendix Photo A-4. Example of Rough-legged Hawk young observed during the Meliadine Arctic Raptor Monitoring Program.



Appendix Photo A-5. Example of cliff-nesting raptor habitat along the coastline.



Appendix Photo A-6. Example of a Peregrine Falcon cliff nest platform along the coastline.



Appendix Photo A-7. Example of a Rough-legged Hawk nest on a lone boulder in upland tundra habitat.



Appendix Photo A-8. Example of an occupied Rough-legged Hawk nest on a lone boulder in upland tundra habitat.

APPENDIX B RAPTOR NEST SURVEY SUMMARY DATA

Appendix Table B-1. Raptor nest summary data for the 2025 Agnico Eagle Meliadine Raptor Nest Survey.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
1	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Platform present.
2	RLHA	Unknown	Not Active	Not Active	Y	NA	Old nest not used in several seasons.
3	PEFA	Not Active	Not Active	Not Active	Y	NA	Platform present.
4	PEFA	Active - Species Confirmed	Not Active	Not Active	Y	NA	Possibly abandoned early season.
5	RLHA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Round 1 two eggs in nest. Young may have fledged prior to Round 2 survey.
6	RLHA	Unknown	Unknown	Unknown	N	NA	Round 1 could not access by air due to cabin proximity and could not access by foot due to snow. Visited from ground in Round 2 but no nest observed.
8	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Nest status could not be determined in Round 2.
10	PERL	Unknown	Unknown	Unknown	UNK	NA	No nest observed, difficulty hovering with helicopter due to wind.
11	RLHA	Unknown	Unknown	Unknown	N	NA	Snow covered during Round 1 no nest observed. No nest observed in Round 2.
14	RLHA	Not Active	Not Active	Not Active	Y	NA	Nest present on a lone boulder.
15	RLHA	Unknown	Unknown	Unknown	N	NA	No nest observed in Round 1 or Round 2.
18	PEFA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Young approximately 22 days old in Round 2.
20	PERL	Not Active	Not Active	Not Active	Y	NA	Nest platform present but not used in several years.
26	RLHA	Unknown	Not Active	Not Active	N	NA	No nest observed in Round 1 but recent feathers nearby. No nest observed in Round 2.
28	PEFA	Active - Species Confirmed	Unknown	Active	Y	Unknown	Adult perched near nest point in Round 1 but no nest observed in Round 2.
29	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Adult observed in Round 1 but no nest observed in Round 2.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
30	PEFA	Unknown	Unknown	Unknown	N	NA	No nest observed. Possible perch location.
31	PEFA	Active - Species Confirmed	Unknown	Active	Y	Unknown	Adult observed in Round 1 but no nest observed in Round 2.
32	CORA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Nest used this season.
33	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Adult observed in Round 1 but no nest observed in Round 2.
34	RLHA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Young approximately 35 days old in Round 2.
35	RLHA	Not Active	Not Active	Not Active	Y	NA	Nest present but not used this season.
36	RLHA	Unknown	Unknown	Unknown	N	NA	Snow covered during Round 1 no nest observed. No nest observed in Round 2.
37	PEFA	Unknown	Not Active	Not Active	N	NA	Could not access by air due to cabin proximity and could not access by foot due to snow in Round 1. Visited on foot in Round 2 but no nest observed.
38	PEFA	Unknown	Not Active	Not Active	N	NA	No nest observed in Round 1. Ledges present but no nest or individuals observed in Round 2.
39	PEFA	Unknown	Not Active	Not Active	N	NA	No nest observed.
40	PEFA	Unknown	Not Active	Not Active	N	NA	No nest observed.
41	UNK	Not Active	Not Active	Not Active	N	NA	No nest observed.
42	RLHA	Active - Species Confirmed	Unknown	Active	Y	Unknown	Adult observed in Round 1. Nest platform present in Round 2 but no individuals observed.
43	RLHA	Unknown	Unknown	Unknown	Y	NA	Adult observed in Round 1. Nest platform present in Round 2 but no individuals observed.
44	RLHA	Unknown	Unknown	Unknown	N	NA	No nest observed.
45	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest present but not recently used.
46	PEFA	Unknown	Unknown	Unknown	Y	NA	Adjacent to other active PEFA nest. No nest observed poor habitat for PEFA.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
47	PERL	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions in Round 1. Visited by ground in Round 2. Old nest present not recently used.
48	RLHA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Adult observed in Round 1. Nest present in Round 2 but no individuals observed.
49	RLHA	Active - Species Confirmed	Unknown	Active	Y	Unknown	No nest observed.
50	RLHA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Adult observed in Round 1. Nest present in Round 2 but no individuals observed.
51	RLHA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Adults observed in Round 1. Adults and young observed in Round 2.
52	PEFA	Active - Species Confirmed	Unknown	Active	N	Unknown	Adult observed in Round 1. No individuals or nest observed in Round 2.
53	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Adult observed in Round 1. Nest platform present in Round 2 but no individuals observed.
54	RLHA	Not Active	Not Active	Not Active	Y	NA	Nest present but not used this season.
55	RLHA	Not Active	Not Active	Not Active	Y	NA	Nest present but not used this season.
56	RLHA	Not Active	Not Active	Not Active	Y	NA	Nest present but not used this season.
57	PERL	Unknown	Unknown	Unknown	Y	NA	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions in Round 1. Old nest observed in Round 2 but not recently used.
58	PEFA	Unknown	Not Active	Unknown	Y	NA	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions in Round 1. Nest likely recently predated.
59	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Adult PEFA observed in Round 1 but nest looks like RLHA.
60	SPP	Unknown	Not Active	Not Active	N	NA	No nest observed.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
61	PEFA	Active - Species Confirmed	Unknown	Active	N	Unknown	No nest observed.
63	PERL	Unknown	Not Active	Not Active	Y	NA	Round 1 snow covered no nest observed. Old RLHA nest observed in Round 2 but not used in this season.
66	PEFA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions in Round 1. Visited from ground in Round 2. Adults observed in proximity. Likely recently failed nest.
67	PERL	Not Active	Not Active	Not Active	Y	NA	Previous signs (i.e., orange lichen and ledged) observed but no nest platform used this season.
69	PERL	Not Active	Unknown	Not Active	N	NA	No nest observed.
71	PERL	Unknown	Unknown	Not Active	N	NA	Snow cover on cliffs no nest observed in Round 1. No nest observed from ground in Round 2.
72	RLHA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Young approximately 35 days old in Round 2.
74	PEFA	Active - Species Confirmed	Unknown	Active	N	Unknown	Whitewash but no nest platform. Possible perch location.
76	PERL	Not Active	Not Active	Not Active	N	NA	No nest observed.
77	PEFA	Unknown	Unknown	Not Active	N	NA	Whitewash but no nest platform. Possible perch location.
78	PEFA	Active - Species Confirmed	Unknown	Active	Y	Unknown	Adults observed and platforms available but no nest.
79	RLHA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Round 1 adults observed and nest present with fresh twigs. Round 2 nest empty.
81	PEFA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
83	RLHA	Unknown	Unknown	Not Active	N	NA	No nest observed.
84	PEFA	Not Active	Unknown	Not Active	N	NA	No nest observed.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
85	PEFA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
86	RLHA	Not Active	Not Active	Not Active	Y	NA	Three old nests in 5 m area. One of the three nest possibly used this season.
87	RLHA	Not Active	Unknown	Not Active	UNK	NA	Could not access by air due to cabin proximity.
88	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Observed adult perched near nest location in Round 1. No nest or adults observed in Round 2.
89	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Observed adult in Round 1 but not in Round 2.
90	PEFA	Unknown	Not Active	Not Active	N	NA	Platform present but no nest.
95	PEFA	Unknown	Unknown	Unknown	UNK	Unknown	Round 1 could not access by air due to caribou migration proximity. Round 2 no nest or platform observed.
96	RLHA	Unknown	Not Active	Not Active	N	NA	Not Surveyed in Round 1 or Round 2. Asked to avoid area by Agnico due to unsettled local resident relations.
98	PEFA	Active - Species Confirmed	Unknown	Active	N	Unknown	No nest observed.
99	PEFA	Not Active	Not Active	Not Active	N	NA	No nest observed.
100	PEFA	Not Active	Active - Species Confirmed	Active	Y	Successful	Young approximately 18 days old in Round 2.
102	CORA	Not Active	Not Active	Active	Y	NA	Nest present appears to have been used this season.
103	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.
104	RLHA	Not Active	Not Active	Not Active	Y	NA	Nest present not used this season.
105	CORA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Nest present appears to have been used this season.
106	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions in Round 1. Visited from the ground in Round 2. Nest present but not used this season.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
107	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
108	RLHA	Unknown	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
109	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.
110	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Adult observed in Round 1. No adult observed in Round 2. Historic ledge and RLHA nest side by side.
111	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
112	RLHA	Not Active	Unknown	Not Active	N	NA	No nest observed.
113	RLHA	Unknown	Unknown	Unknown	UNK	Unknown	Could not access by air due to no-fly zone over Iqalugaarjuup Nunanga Territorial Park. Could not access by ground due to distance and rough ground conditions.
114	RLHA	Unknown	Unknown	Unknown	UNK	Unknown	Not Surveyed in Round 1 or Round 2. Asked to avoid area by Agnico due to unsettled local resident relations.
115	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.
116	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.
117	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
118	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
119	RLHA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Young approximately 32 days old in Round 2.
120	PEFA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Young approximately 18 days old in Round 2.
121	RLHA	Unknown	Unknown	Unknown	UNK	Unknown	Could not access by air due to no-fly zone over Iqalugaarjuup Nunanga Territorial Park. Could not access by ground due to distance and rough ground conditions.
123	RLHA	Not Active	Unknown	Not Active	Y	NA	Historical nest site not used in recent years.
124	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
125	PEFA	Not Active	Unknown	Not Active	Y	NA	Old nest platform observed in Round 1. Could not access by air due to proximity of airstrip landing approach. Could not access by ground in Round 2 due to recent polar bear activity.
127	RLHA	Unknown	Unknown	Unknown	N	Unknown	No nest observed.
129	PEFA	Active - Species Not Confirmed	Not Active	Active	N	Unknown	No nest observed.
130	PEFA	Unknown	Active - Species Confirmed	Active	Y	Successful	Young approximately 18 days old in Round 2.
133	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions in Round 1. Visited from the ground in Round 2. Nest present but not used this season.
134	PEFA	Active - Species Confirmed	Unknown	Active	Y	Unknown	Adult observed in Round 1. No adult observed in Round 2. Historic ledge present.
135	PEFA	Unknown	Not Active	Active	Y	Unknown	Another active nest adjacent. Pair likely started new nest a few metres east of which is active.
136	RLHA	Unknown	Unknown	Not Active	N	NA	No nest observed.
137	PEFA	Unknown	Unknown	Unknown	UNK	Unknown	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions in Round 1. Visited from the ground in Round 2. No nest or adults observed.
138	RLHA	Unknown	Unknown	Unknown	UNK	Unknown	Not Surveyed in Round 1 or Round 2. Asked to avoid area by Agnico due to unsettled local resident relations.
144	CORA	Active - Species Confirmed	Not Active	Active	UNK	Successful	Two young observed in Round 1.
145	PEFA	Not Active	Unknown	Not Active	Y	NA	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions.
146	RLHA	Unknown	Not Active	Not Active	N	NA	No nest observed.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
147	PEFA	Active - Species Confirmed	Unknown	Active	Y	Unknown	Adult observed in Round 1. Nest present in Round 2 but no adults or young.
148	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
149	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
150	SNOW	Unknown	Not Active	Not Active	Y	NA	No nest observed. Seasonal nest found in a previous survey year.
151	PEFA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
152	PEFA	Not Active	Not Active	Not Active	N	NA	No nest observed.
153	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
154	PEFA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
156	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
158	RLHA	Not Active	Not Active	Unknown	Y	Unknown	Nest present in Round 1 but could not be found when visited by foot in Round 2.
159	RLHA	Active - Species Confirmed	Unknown	Active	Y	Unknown	Adults observed in Round 1. No adults observed in Round 2 and could not locate nest.
160	RLHA	Unknown	Not Active	Not Active	N	NA	No nest observed.
161	PEFA	Not Active	Not Active	Not Active	N	NA	No nest observed.
162	PEFA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
163	RLHA	Not Active	Unknown	Not Active	Y	NA	Historical nest site not used in recent years.
164	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
165	RLHA	Unknown	Unknown	Not Active	N	NA	Snow covered in Round 1. No nest observed in Round 2.
166	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.
168	RLHA	Unknown	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
169	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions. In Round 1, historical nest site not used in

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
							recent years. Observed from ground in Round 2.
172	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
173	RLHA	Unknown	Unknown	Not Active	N	NA	Snow covered in Round 1. No nest observed in Round 2.
174	PERL	Unknown	Unknown	Unknown	UNK	Unknown	Not Surveyed in Round 1 or Round 2. Asked to avoid area by Agnico due to unsettled local resident relations.
175	RLHA	Unknown	Unknown	Unknown	UNK	Unknown	Not Surveyed in Round 1 or Round 2. Asked to avoid area by Agnico due to unsettled local resident relations.
176	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.
177	RLHA	Unknown	Unknown	Not Active	N	NA	No nest observed.
178	RLHA	Unknown	Not Active	Not Active	Y	NA	No nest observed.
179	RLHA	Unknown	Not Active	Not Active	Y	NA	Old nest on lone boulder.
180	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to caribou migration proximity in Round 1. Boulder at nest point observed in Round 2 but no nest present or not used recently.
181	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to caribou migration proximity. Cannot access by land. Nest present on lone boulder not used this season.
183	RLHA	Not Active	Unknown	Unknown	Y	Unknown	Could not access by air due to proximity to cabin. Could not access by ground due to it being on an island.
184	RLHA	Unknown	Unknown	Unknown	UNK	Unknown	Nest not visited by helicopter due to proximity to mine and camp operations.
185	RLHA	Not Active	Active - Species Confirmed	Active	Y	Successful	Young approximately 15 days old in Round 2.
186	RLHA	Unknown	Not Active	Not Active	N	NA	No nest observed.
187	PEFA	Unknown	Not Active	Not Active	N	NA	No nest observed.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
188	RLHA	Unknown	Unknown	Not Active	N	NA	No nest observed.
189	SPP	Unknown	Unknown	Not Active	N	NA	No nest observed.
190	PEFA	Unknown	Unknown	Not Active	Y	NA	No nest observed.
191	SEOW	Unknown	Not Active	Not Active	N	NA	Seasonal nest of SEOW found in previous survey years.
192	RLHA	Unknown	Unknown	Not Active	N	NA	No nest observed.
193	CORA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
194	RLHA	Unknown	Not Active	Not Active	N	NA	No nest present.
195	RLHA	Unknown	Unknown	Not Active	N	NA	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions.
196	PEFA	Unknown	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
197	UNK	Unknown	Not Active	Not Active	N	NA	No nest observed. Poor nest habitat. Was indicated as a Gyrfalcon (*Falco rusticolus*) in previous years.
198	RLHA	Not Active	Unknown	Not Active	N	NA	No nest observed.
199	PERL	Not Active	Unknown	Not Active	Y	NA	Historical nest site not used in recent years.
200	UNK	Unknown	Not Active	Not Active	N	NA	No nest observed. Poor nest habitat.
201	PERL	Not Active	Not Active	Not Active	UNK	NA	Observed by ground south side of Meliadine River. No nest or individual observed.
202	RLHA	Unknown	Unknown	Unknown	UNK	Unknown	Could not access by air due to no-fly zone over Iqalugaarjuup Nunanga Territorial Park. Could not access by ground due to distance and rough ground conditions.
203	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to caribou migration proximity. Cannot access by land. Nest present on lone boulder; not used this season.
204	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to caribou migration proximity. Cannot access by land. Nest

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
							present on lone boulder; not used this season.
205	RLHA	Unknown	Not Active	Active	Y	Unknown	Could not access by air due to caribou migration proximity. Cannot access by land. Nest present on lone boulder likely used this season.
206	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to caribou migration proximity. Cannot access by land. Nest present on lone boulder; not used this season.
207	RLHA	Unknown	Not Active	Active	Y	Unknown	Could not access by air due to caribou migration proximity. Cannot access by land. Nest present on lone boulder likely used this season.
209	RLHA	Not Active	Not Active	Not Active	Y	NA	Nest present in Round 1 but not observed in Round 2.
210	PEFA	Unknown	Unknown	Not Active	Y	NA	Historical nest site not used in recent years.
211	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
212	PERL	Unknown	Unknown	Not Active	N	NA	No nest observed but adult PEFA in area.
213	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to no-fly zone over Iqalugaarjuup Nunanga Territorial Park. Could not access by ground due to distance and rough ground conditions.in Round 1. Nest observed from ground in Round 2.
214	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
215	PEFA	Unknown	Unknown	Unknown	UNK	Unknown	Nest not visited due to mine site and potential blasting operations.
216	RLHA	Unknown	Unknown	Unknown	UNK	Unknown	Nest not visited due to mine site and potential blasting operations.
217	SPP	Unknown	Unknown	Not Active	N	NA	No nest observed.
218	PEFA	Unknown	Unknown	Not Active	N	NA	No nest observed.
219	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
220	PEFA	Active - Species Confirmed	Unknown	Not Active	Y	NA	Adult observed in Round 1 but no young or adult in Round 2.
221	SPP	Unknown	Unknown	Not Active	N	NA	No nest observed.
222	PEFA	Active - Species Confirmed	Unknown	Not Active	Y	NA	Nest platforms present but no young.
224	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.
225	PERL	Unknown	Unknown	Unknown	UNK	Unknown	Could not access by air due to caribou migration proximity. Cannot access by land in Round 1. Adult PEFA observed near cliff ledges in Round 2 but no nest observed.
226	PERL	Active - Species Confirmed	Not Active	Not Active	Y	NA	Adult PEFA observed in Round 1. Historic RLHA nest observed in Round 2 not used in several seasons.
227	RLHA	Unknown	Unknown	Not Active	Y	NA	Historical nest site not used in recent years.
228	PEFA	Active - Species Confirmed	Not Active	Not Active	Y	NA	Adult PEFA observed in Round 1. Historic nest observed in Round 2 not used in several seasons.
229	SPP	Unknown	Unknown	Not Active	N	NA	No nests observed.
230	SPP	Unknown	Unknown	Not Active	N	NA	No nest observed.
231	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
232	PEFA	Unknown	Unknown	Not Active	N	NA	No nest observed.
233	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	Adult PEFA observed in Round 1. Historic nest observed in Round 2 possibly used this season.
234	PEFA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
235	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
236	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
237	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to cabin proximity or by ground due to seasonal ground conditions in Round 1.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
							Historical nest site not used in recent years. Observed from ground in Round 2.
238	RLHA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Young approximately 35 days old in Round 2.
239	PERL	Active - Species Confirmed	Not Active	Active	Y	Unknown	Adult PEFA observed in Round 1. Historic RLHA nest observed in Round 2 on lone boulder, not used in several seasons.
240	RLHA	Unknown	Unknown	Not Active	Y	NA	Historical RLHA nest site not used in recent years.
241	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to caribou migration proximity. Cannot access by land. Nest present on lone boulder; not used this season.
242	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.
243	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
244	RLHA	Unknown	Unknown	Not Active	N	NA	No nest observed.
245	RLHA	Unknown	Not Active	Not Active	Y	NA	Could not access by air due to caribou migration proximity. Cannot access by land. Nest present on lone boulder; not used this season.
246	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder; not used this season.
247	RLHA	Not Active	Not Active	Not Active	Y	NA	Nest in cliff; not used this season.
248	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.
249	UNK	Unknown	Unknown	Not Active	N	NA	No nest observed.
250	RLHA	Not Active	Unknown	Not Active	Y	NA	Two nests in 5 m area not active. Nest appears not used this season but adult perched nearby.
251	RLHA	Not Active	Active - Species Confirmed	Active	Y	Successful	Young approximately 5-7 days old in Round 2.
252	RLHA	Active - Species Confirmed	Unknown	Active	N	Unknown	Adults observed in Round 1. No adults observed in Round 2 and could not locate nest.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
253	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
254	PEFA	Active - Species Confirmed	Not Active	Not Active	N	NA	No nest observed.
255	PEFA	Active - Species Confirmed	Not Active	Active	N	Unknown	Cliff face crumbled nest likely destroyed.
256	RLHA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Young approximately 32 days old in Round 2.
257	RLHA	Unknown	Unknown	Not Active	Y	NA	Historical nest site not used in recent years.
258	PEFA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Young approximately 20 days old in Round 2.
259	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
260	RLHA	Not Active	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
261	PEFA	Unknown	Not Active	Active	Y	Unknown	Adjacent to other active nest. Evidence of recent use this season.
262	PEFA	Active - Species Confirmed	Not Active	Active	Y	Unknown	No nest observed.
263	PEFA	Active - Species Confirmed	Active - Species Confirmed	Active	Y	Successful	Young approximately 20 days old in Round 2.
264	RLHA	Not Active	Not Active	Not Active	Y	NA	Old nest on lone boulder.
265	RLHA	Unknown	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
266	PEFA	Unknown	Not Active	Not Active	Y	NA	Historical nest site with evidence of recent use this season.
267	RLHA	Unknown	Not Active	Not Active	Y	NA	Nest appears to have been used in 2025. Recent vegetation in nest and feathers.
268	RLHA	Unknown	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
269	RLHA	Unknown	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
270	RLHA	Unknown	Not Active	Not Active	Y	NA	Historical nest site not used in recent years.
271	RLHA	Unknown	Not Active	Not Active	Y	NA	Old nest on lone boulder but not used this season.

Nest	Species	Round 1 Status	Round 2 Status	Breeding Status	Nest Present	Nest Status	Notes
272	RLHA	Unknown	Not Active	Not Active	Y	NA	Old nest on lone boulder but not used this season.
273	PEFA	Unknown	Unknown	Not Active	Y	NA	Nest platform possibly used this season.
274	RLHA	Unknown	Not Active	Not Active	Y	NA	Fresh whitewash but nest likely not used this season. Visited by ground.

[1] CORA – Common Raven (*Corvus corax*), PEFA – Peregrine Falcon (*Falco peregrinus*), RLHA – Rough-legged Hawk (*Buteo lagopus*), PERL – Peregrine Falcon/Rough-legged Hawk, SEOW – Short-eared Owl (*Asio flammeus*), SNOW – Snowy Owl (*Bubo scandiacus*).

Appendix Table B-2. Raptor observations for the 2025 Agnico Eagle Meliadine Raptor Nest Survey.

Nest	Species	Date (m/dd/yyyy)	Abundance				Behaviour Comments
			Adult Unknown	Adult Male	Adult Female	Juvenile	
1	Peregrine Falcon	5/30/2025		1	1		Flying/Circling away from nest.
4	Peregrine Falcon	5/30/2025		1	1		Flying/Circling away from nest.
5	Rough-legged Hawk	5/30/2025			1		Sitting on nest.
		8/10/2025			1		Flying/Circling over nest.
8	Peregrine Falcon	5/30/2025		1	1		Sitting on nest.
10	Peregrine Falcon	8/12/2025	2				Flying/Circling away from nest.
18	Peregrine Falcon	6/1/2025			1		Flying/Circling over nest.
		8/8/2025			1	4	Young in nest, adult perched nearby. Young approximately 22 days old.
28	Peregrine Falcon	5/30/2025		1	1		Flying/Circling away from nest.
		8/10/2025	1				Flying/Circling away from nest.
29	Peregrine Falcon	5/30/2025	1				Flying/Circling away from nest.
		8/10/2025	1				Flying/Circling over nest.
30	Peregrine Falcon	8/10/2025		1			Flying/Circling away from nest. Possible perch location.
31	Peregrine Falcon	5/30/2025		1	1		Sitting on nest.
32	Common Raven	5/30/2025			1		Sitting on nest.
33	Peregrine Falcon	5/30/2025		1	1		Flying/Circling over nest.
34	Rough-legged Hawk	5/30/2025			1		Sitting on nest.
		8/10/2025				2	Young in nest, no adults observed. Young approximately 35 days old.
42	Rough-legged Hawk	5/30/2025	1				Flying/Circling away from nest.
43	Rough-legged Hawk	5/30/2025		1			Flying/Circling away from nest.
49	Rough-legged Hawk	5/30/2025		1	1		Flying/Circling over nest.
50	Rough-legged Hawk	5/30/2025		1	1		Flying/Circling over nest.
51	Rough-legged Hawk	5/30/2025		1	1		Sitting on nest.
		8/9/2025	1			1	Flying/Circling over nest.
52	Peregrine Falcon	5/30/2025		1	1		Flying/Circling over nest.

Nest	Species	Date (m/dd/yyyy)	Abundance				Behaviour Comments
			Adult Unknown	Adult Male	Adult Female	Juvenile	
53	Peregrine Falcon	5/30/2025		1			Flying/Circling over nest.
58	Peregrine Falcon	8/8/2025		1	1		Flying/Circling over nest.
59	Peregrine Falcon	5/30/2025		1	1		Perched away from nest.
61	Peregrine Falcon	5/31/2025		1	1		Flying/Circling over nest.
		8/12/2025		1	1		Flying/Circling away from nest.
66	Peregrine Falcon	8/8/2025		1			Flying/Circling over nest.
72	Rough-legged Hawk	5/30/2025			1		Sitting on nest.
		8/10/2025				2	Young in nest, no adults observed. Young approximately 35 days old.
74	Peregrine Falcon	5/30/2025		1	1		Sitting on nest.
78	Peregrine Falcon	5/30/2025		1	1		Flying/Circling over nest.
79	Rough-legged Hawk	5/30/2025		1	1		Flying/Circling away from nest.
88	Peregrine Falcon	6/1/2025		1	1		Perched beside nest.
89	Peregrine Falcon	5/31/2025		1			Flying/Circling over nest.
98	Peregrine Falcon	5/31/2025		1	1		Flying/Circling over nest.
100	Peregrine Falcon	8/10/2025			1	1	Flying/Circling over nest. Young approximately 18 days old.
105	Peregrine Falcon	5/30/2025		1	1		Flying/Circling away from nest.
108	Rough-legged Hawk	5/30/2025	1				Flying/Circling away from nest.
110	Peregrine Falcon	5/31/2025			1		Flying/Circling over nest.
119	Rough-legged Hawk	5/30/2025		1	1		Sitting on nest.
		8/10/2025	1			2	Flying/Circling away from nest. Young approximately 32 days old.
120	Peregrine Falcon	5/30/2025		1	1		Sitting on nest.
		8/10/2025				2	Young in nest, no adults observed. Young approximately 18 days old.
129	Peregrine Falcon	5/31/2025			1		Flying/Circling over nest.
130		5/30/2025	1				Flying/Circling away from nest.

Nest	Species	Date (m/dd/yyyy)	Abundance				Behaviour Comments
			Adult Unknown	Adult Male	Adult Female	Juvenile	
	Peregrine Falcon	8/12/2025		1		1	Flying/Circling over nest. Young approximately 18 days old.
134	Peregrine Falcon	5/31/2025		1	1		Flying/Circling over nest.
		8/13/2025		1	1		Perched away from nest.
144	Common Raven	5/30/2025				2	Young in nest, no adults observed.
147	Peregrine Falcon	5/30/2025			1		Perched away from nest.
151	Peregrine Falcon	8/12/2025		1			Flying/Circling over nest.
159	Rough-legged Hawk	5/30/2025		1	1		Flying/Circling away from nest.
185	Rough-legged Hawk	8/12/2025		1		3	Perched away from nest. Young approximately 15 days old.
210	Peregrine Falcon	5/30/2025			1		Flying/Circling away from nest.
212	Peregrine Falcon	5/30/2025			1		Flying/Circling away from nest.
220	Peregrine Falcon	5/31/2025			1		Perched away from nest.
222	Peregrine Falcon	5/31/2025		1	1		Flying/Circling over nest.
		8/12/2025		1	1		Flying/Circling over nest.
225	Peregrine Falcon	8/13/2025		1			Flying/Circling away from nest.
226	Peregrine Falcon	5/31/2025		1	1		Flying/Circling over nest.
233	Peregrine Falcon	5/28/2025		1			Flying/Circling over nest.
238	Rough-legged Hawk	5/30/2025			1		Sitting on nest.
238	Rough-legged Hawk	8/10/2025				2	Young in nest, no adults observed. Young approximately 35 days old.
239	Peregrine Falcon	5/31/2025		1	1		Flying/Circling over nest.
250	Rough-legged Hawk	8/10/2025	1				Perched away from nest.
251	Rough-legged Hawk	8/10/2025	1			2	Perched away from nest. Young approximately 5-7 days old.
252	Rough-legged Hawk	5/30/2025		1	1		Flying/Circling away from nest.
254	Peregrine Falcon	5/30/2025		1	1		Flying/Circling over nest.
255	Peregrine Falcon	5/30/2025			1		Perched away from nest.

Nest	Species	Date (m/dd/yyyy)	Abundance				Behaviour Comments
			Adult Unknown	Adult Male	Adult Female	Juvenile	
256	Rough-legged Hawk	5/30/2025			1		Sitting on nest.
		8/10/2025				2	Young in nest, no adults observed. Young approximately 32 days old.
257	Rough-legged Hawk	5/30/2025	2				Flying/Circling away from nest.
258	Peregrine Falcon	5/30/2025			1		Flying/Circling away from nest.
		8/12/2025			1	2	Flying/Circling over nest. Young approximately 20 days old.
262	Peregrine Falcon	5/31/2025		1	1		Flying/Circling over nest.
263	Peregrine Falcon	5/31/2025		1	1		Flying/Circling over nest.
		8/12/2025				2	Young in nest, no adults observed. Young approximately 15-20 days old.

[1] Common Raven (*Corvus corax*), Peregrine Falcon (*Falco peregrinus*), Rough-legged Hawk (*Buteo lagopus*).

APPENDIX G

Meliadine Project Caribou Behaviour Study, 2025

PREPARED FOR

AGNICO EAGLE

Meliadine Mine

2025 Caribou Behaviour Report

DATE
February 2026

REFERENCE
0777443-02



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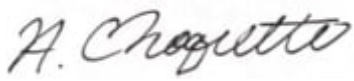
Meliadine Mine

2025 Caribou Behaviour Report

February 2026



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ACRONYMS AND ABBREVIATIONS

ΔAIC	difference in Akaike information criterion (AIC)
>	greater than
<	less than
≤	less than or equal to
%	percent
Agnico Eagle	Agnico Eagle Mines Limited
AIC	Akaike information criterion
ATV	all-terrain vehicle
AWAR	Meliadine Mine All-Weather Access Road
BQCMB	Beverly and Qamanirjuaq Caribou Management Board
CI	Confidence Interval
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
ERM	ERM Consultants Canada Ltd.
GLMMs	generalized linear mixed-effects models
GN	Government of Nunavut
GNWT-ENR	Government of Northwest Territories Department of Environment and Natural Resources
GPS	global positioning system
KM	kilometre marker
km	kilometre
km/h	speed expressed as kilometres per hour
m	metre
the Mine	the Meliadine Mine
NIRB	Nunavut Impact Review Board
Q2	second quarter
SD	Standard Deviation
survey ID	survey identifier
T&C	Term(s) and Condition(s)
TAG	Terrestrial Advisory Group
TEMMP	Terrestrial Environment Management and Monitoring Plan

EXECUTIVE SUMMARY

The Meliadine Mine (the Mine) is operated by Agnico Eagle Mines Limited (Agnico Eagle) and located on Inuit Owned Land, approximately 25 kilometres (km) north of Rankin Inlet, Nunavut. Since 2019, caribou (*Rangifer tarandus*) from the Qamanirjuaq herd have passed within 15 km of the Mine, particularly during the months of June and July, including crossing the Meliadine Mine All-Weather Access Road (AWAR). In compliance with Nunavut Impact Review Board (NIRB) Project Certificate #006 and associated amendments, Agnico Eagle has completed an annual caribou behaviour monitoring program since 2020 to assess the impacts of Mine and AWAR operations on caribou behaviour.

The monitoring program has comprised a total of 235 surveys across 6 years, using scan-sampling methods originally developed by the Government of Northwest Territories, and has yielded several key results from 2020 to 2025, including the following:

- **Survey Methods:** Survey protocols have been refined to improve data quality based on feedback from stakeholder organizations, including the Terrestrial Advisory Group (TAG); yet, the results have remained consistent over 6 years of monitoring. This consistency provides confidence in the reliability of observed behavioural trends.
- **Environmental Variables:** The proportion of caribou with response behaviours in a group was unrelated to measured environmental variables, including temperature, wind speed, or insect responses.
- **Caribou Presence:** Qamanirjuaq caribou were uncommon near the Mine from 2010 to 2019, but Traditional Knowledge indicated that caribou use of habitat varies from year to year and that they would return to this area. From 2019 to 2023, caribou began calving west of Meliadine Lake and peak caribou activity near the Mine was common from late June to early July (post-calving for the Qamanirjuaq herd). However, in 2024 and 2025, caribou calved west of Meliadine Lake and then proceeded directly south, and did not interact with the Mine to the degree they did in previous years.
- **Dominance of Non-Response Behaviours:** The monitoring program indicates that caribou near the Mine primarily engaged in non-response behaviours, such as standing, laying, and feeding. Walking behaviour was noted as a potential response to disturbances in previous annual analyses, and, as such, was included in a subset of statistical models, which showed disturbances as a significant predictor of combined walking and response behaviours. Taken together this suggests that walking may be a less severe response behaviour (as compared to alert or running behaviours).
- **Group Size, Distance to Infrastructure, and Response Behaviours:** Caribou in smaller groups (fewer than 25 individuals) exhibited a higher frequency of response behaviours—such as running and being alert—compared to larger groups. Furthermore, groups closer to infrastructure (within 300 metres [m]) showed increased responsive behaviour compared to those at greater distances, highlighting a consistent trend across all 6 years of data.

- **Impact of Disturbances:** Approximately 50 percent (%) of all surveys noted disturbances (note that this reflects an intentional bias in surveys to include situations with potential disturbances), mainly due to essential Mine vehicles and local all-terrain vehicles (ATVs) that travel along the AWAR.
- **Behavioural Recovery:** Statistical models show that after a single disturbance, 87% of caribou will return to baseline behaviours within 9 minutes or less. Surveys with more than one disturbance resulted in longer durations of response, highlighting that the existing mitigation of using convoys to consolidate essential Mine traffic is likely effective at reducing impact to caribou.

1. INTRODUCTION

The Meliadine Mine (the Mine), a gold mine owned and operated by Agnico Eagle Mines Limited (Agnico Eagle), is located on Inuit Owned Land, approximately 25 kilometres (km) directly north of Rankin Inlet, Nunavut. The 30 km Meliadine Mine All-Weather Access Road (AWAR) connects the Mine to Rankin Inlet. The Rankin Inlet Bypass Road was constructed to the south and west of Rankin Inlet to allow Mine traffic to circumvent the hamlet of Rankin Inlet when travelling from the AWAR to Itivia Harbour (i.e., Melvin Bay), southwest of Rankin Inlet (Figure 1-1).

The 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 the second quarter (Q2) of 2019. In 2019, the 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 treated saline effluent via truck 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 waterlines needed to convey treated saline effluent from the Mine to Itivia Harbour.

From 2020 to 2025, Caribou behaviour studies were completed in June and July of each year at the Mine and along the AWAR in support of existing NIRB conditions, as outlined in Project Certificate #006 and the associated amendments.

Terrestrial Environment Management and Monitoring Plan

As per the 2015 Project Certificate, and 2019 and 2022 Project Certificate Amendments from the NIRB, Term and Condition (T&C) 57 requires the Mine to report in its annual NIRB report:

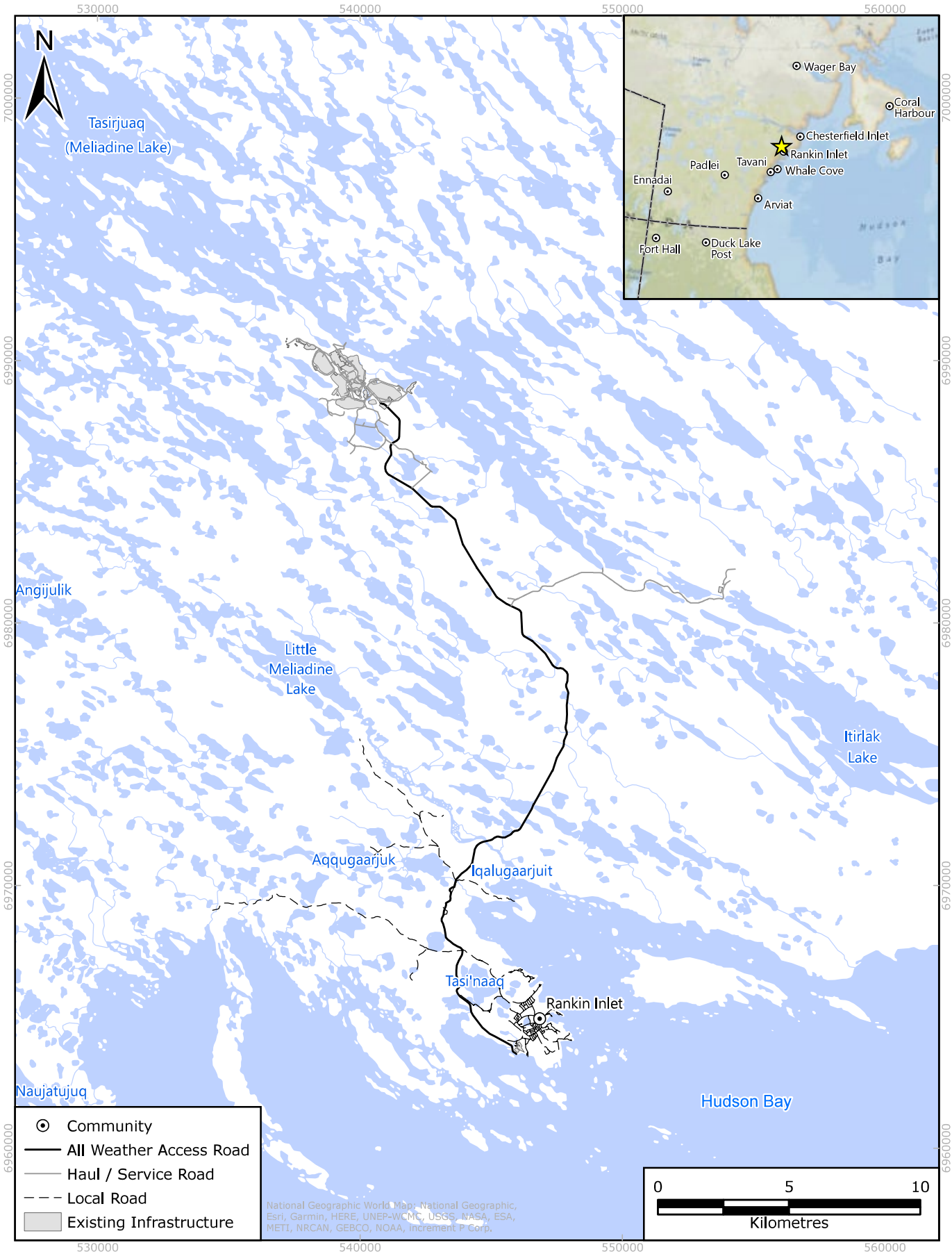
> (T&C 57, b.) A detailed analysis of wildlife responses to operations with emphasis on wildlife behaviour, mortalities and displacements (if any), responses to operations of the all-weather access road and associated access roads/trails, and the waterlines;

The Meliadine Mine Terrestrial Environment Management and Monitoring Plan (TEMMP; Agnico Eagle 2025) is designed to meet this condition, and includes a caribou (*Rangifer tarandus*) behaviour monitoring program (Agnico Eagle 2025, section 4.2) that has two objectives:

- To determine if caribou activity budgets change with distance from the Mine, and to document caribou response to disturbances; and
- To determine if caribou distribution changes with proximity to the Mine (i.e., whether caribou avoid the Mine).

The caribou behaviour monitoring program described in this report is designed to address the first of these objectives, while the second objective is met via a broader scale location-based global positioning system (GPS) collar analysis and a wildlife camera program (ERM Consultants Canada Ltd. [ERM] 2024c).

FIGURE 1-1 MELIADINE MINE LOCATION



ERM

CLIENT: AGNICO EAGLE MINES LIMITED
GIS NUMBER: MEL-23-048-01

DATE: 12/17/2025

PROJECTION: NAD 1983 UTM Zone 15N
SCALE: 1:200,000 when printed at 8.5x11

The TEMMP (Agnico Eagle 2025, Section 4.2) also describes a road surveillance program, which integrates wildlife camera monitoring to record the presence of wildlife and/or wildlife signs (e.g., tracks, nesting) in relation to Mine infrastructure. This includes mitigation measures for traffic on the AWAR when caribou are in the area, namely that the AWAR must be closed to all non-essential Mine traffic when 50 or more caribou are within 300 m of the road (increased from 100 m in 2025 with Version 5 of the TEMMP). Further mitigation measures relate to the Mine site itself, where more than 50 caribou observed within 5 km of the Mine results in the enactment of a Level 3 caribou response, limiting surface activities at the Mine to approved light duty activities. These mitigation measures are designed to protect caribou from any undue disturbance as they move through the Mine area during seasonal migration, particularly in the post-calving period.

2. STUDY OBJECTIVES

The overall objective of the caribou behaviour monitoring program described in this report, as stated in the TEMMP is:

- To determine if caribou activity budgets change with distance from the Mine, and to document caribou response to stressors.

Per the Project Certificate (T&C 57, b), a detailed analysis of caribou responses to AWAR operations is required at the Mine. This report serves to summarize this analysis, investigating patterns both within specific years and across multiple years of collected data. The intent of the 2025 study was:

1. To complete a study using behaviour survey methodology at the Mine site to estimate how the AWAR and Mine infrastructure may contribute to the effects of the Mine on caribou; and
2. To use information from the surveys (combined across 6 years of data collection) to determine which factors predict caribou behaviour near the Mine site, specifically focusing on distance, group size, and vehicle disturbances.

The primary hypothesis of this study was that caribou closer to infrastructure would demonstrate a stronger response to vehicle disturbances. Multiple years of data collected at the Mine have supported this hypothesis, suggesting that caribou may exhibit increased response behaviours closer to the AWAR or Mine site, particularly when observed in smaller groups.

3. BACKGROUND

3.1 QAMANIRJUAQ HERD

The Qamanirjuaq caribou subpopulation is a large barren-ground caribou herd totalling approximately 252,892 individuals in 2022. This number is down from over 348,000 individuals reported in 2008, but consistent with the population size in the 1980s, and stable from the 2017 estimate of approximately 288,000 individuals (Boulanger et al. 2018; Campbell et al. 2024; Committee on the Status of Endangered Wildlife in Canada [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 2024) and upgraded this rating to "Medium-High" in 2016, a status that remains unchanged (BQCMB 2025).

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 centred on Qamanirjuaq Lake (BQCMB 2025).

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

During summer and fall, the caribou generally move south and inland, gradually returning to their wintering areas in the south 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 in 2023 through the creation of the Terms of Reference, to serve as a collaborative forum to discuss the application of Inuit Qaujimajatuqangit,[1] Traditional Knowledge, and Western science to mitigation and monitoring programs for the terrestrial environment in the Mine area. Members of the group include the local, regional, territorial, and federal governments, as well as Indigenous groups.

Wherever sample size allowed, Agnico Eagle has endeavoured to incorporate the suggestions of the TAG into the 2025 analysis presented in this report, including the collection of insect harassment data during behaviour surveys, and the assessment of distance to infrastructure as a continuous rather than discrete variable.

[1] Inuit Traditional Knowledge.

4. STUDY AREA

The study area for behaviour monitoring included the existing Mine footprint, which encompasses the Mine site and the AWAR (see Figure 1-1). Surveys were completed on any caribou that could be visually observed up to 3 km away from Mine infrastructure (including the AWAR) with the aid of binoculars or a spotting scope.

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

5. METHODS

Methods for field surveys and data analysis are provided below.

5.1 FIELD SURVEYS

Survey methods followed protocols for monitoring caribou behaviour developed by the Government of Northwest Territories Department of Environment and Natural Resources (GNWT-ENR 2017). In 2020, ERM refined these methods for Agnico Eagle's Nunavut Mine operations. The updated methods focus on scan samples, in lieu of both scan and focal samples. Given time and personnel constraints, this approach was determined to be a more efficient use of time and was able to produce better quality data that are suitable for statistical analysis. The updated methods also include an initial survey step to randomize which group of caribou to monitor when multiple groups are available. In 2021, these methods were further refined to reflect lessons learned in 2020. The 2021 updates included using a rangefinder to measure distance and record additional information, such as whether the caribou occurred on the east or west side of the road. The methods used in 2022 through 2023 included the 2021 updates but were otherwise unchanged. In 2024 and 2025, updates to the methods included the assessment of insect response behaviours once during each survey. Detailed protocols are attached in Appendix A.

Prior to the arrival of caribou in June, a wildlife biologist from ERM presented a classroom and practical training program to Agnico Eagle environmental technicians from the Mine. The ERM wildlife biologist and an assistant were primarily responsible for performing behaviour observations during June and July, while Meliadine environmental technicians completed behaviour observations opportunistically during other fieldwork, in alignment with the TEMMP.

The overall method for the field surveys was to identify caribou groups visible from the Mine site and AWAR, to select some groups for observation, and to record the behaviour of individuals in groups of different sizes, including their responses. This was to be done without any disturbance and in response to Mine-related activities and natural factors. Surveys were completed through late June and early July during the post-calving and early summer periods when caribou are most likely to pass through the Mine area in large numbers.

Field methods included the recording of site information at the location of each survey, including GPS coordinates, weather conditions, road structure, and the location of the caribou group in relation to the surveyors and the road. Individuals in the observed group were categorized when the survey started and every 3 minutes until 30 minutes had elapsed. Behaviour categories and their definitions were standardized following GNWT-ENR (2017) classifications. The behaviour categories were feeding, lying down, standing, being alert, walking, and trotting or running.

At each three-minute interval, surveyors recorded the numbers of individuals in the group exhibiting each behaviour at that time. If the group was too large to be counted in each interval (greater than [>] 50 individuals), an identifiable subset of the group was surveyed during each interval and the total group size was recorded on the datasheet. In the case that a disturbance event occurred during the survey, the time and type of disturbance were recorded. A disturbance is defined as any human-caused loud noise, low-flying aircraft, or vehicle travelling on the road, in addition to predators observed in the immediate area of the surveyed group.

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

5.2 DATA ANALYSIS

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

A regression analysis was completed to test for statistically significant trends in the data. To increase the statistical power to detect changes in caribou behaviour, the behaviour categories were grouped for analysis into "response behaviours" (alert and running), "potential response behaviours" (walking) and "non-response behaviours" (feeding, lying down, and standing).

Following the 2021 analyses, there was a suggestion from the TAG to explore whether the proportion of walking caribou changed as a response to disturbance. This was done to see whether walking would be better categorized as a response behaviour or a non-response behaviour. To test this, a model that included walking, running, and alert behaviours was completed in addition to the original model that only included running and alert behaviours.

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

Statistical analyses were completed using R Statistical Software Version 4.5.1 (R Core Team 2025). Two dependent variables were tested, as follows:

1. The first dependent variable tested was the proportion of response behaviours (alert and running) in each 3-minute interval in each survey; and
2. The second dependent variable tested was the proportion of walking plus response behaviours in each 3-minute interval in each survey.

The two dependent variables were each modelled against a suite of potentially important variables to determine if there was any statistical relationship with response behaviour. Based on an initial assessment of which variables were most statistically relevant, the variables included in this

analysis were group size, distance to infrastructure, wind speed, and a binary variable identifying whether a disturbance occurred during each 3-minute interval. Based on comments from the Government of Nunavut (GN) on the 2022 and 2023 analyses, distance from caribou to infrastructure was considered as a continuous variable. An index of insect harassment was included in surveys completed in 2024 and 2025 at the request of the Sayisi Dene First Nation / Northlands Denesuline First Nation. However, no observations of any insect response behaviours were recorded during the surveys, which precluded use of this variable in the final models.

For each dependent variable, GLMMs were constructed and tested for model fit, as evidenced by the Akaike information criterion (AIC). The AIC is a number that is helpful for comparing models, as it includes measures of both how well the model fits the data and how complex the model is. The top models were identified as having a low AIC and were within a 2-unit difference in AIC ($\Delta AIC \leq 2$)[2] of the -top ranked- model (i.e., the model with the lowest AIC; Burnham and Anderson 2004). This is the industry standard for identifying models that are essentially "equally good" at explaining the data. Models with a difference in AIC (ΔAIC) of 2 to 4 from the top model are generally considered to have "limited support" (Burnham and Anderson 2004).

A second modelling procedure was used to investigate the amount of time caribou were engaged in response behaviour associated with disturbances during a survey. For a response to be included, the proportion of alert or running caribou after a disturbance had to be 40 percent (%) greater than in the interval before disturbance. The response was considered "over" when the proportion of alert or running caribou returned to the level observed in the interval before the disturbance (±5%). This variable, called "duration of response," was assessed for each survey, during which at least one disturbance occurred. Surveys that started with 100% of individuals exhibiting response behaviour were excluded, as the associated disturbance was unclear. In surveys where there was more than a single period of response behaviour, the total time disturbed was calculated for that survey.

Because the duration of a response is a "time-to-event" variable (time to return to background behaviour), Cox's proportional hazards regression was used to model the duration. Durations were right-censored if the caribou did not return to background behaviour prior to the end of the observation period. As the start and end of the response could happen within 3-minute intervals, but the exact time was not recorded, it was assumed that the duration was 3 minutes for every interval included. For example, if the response behaviour occurred only within one interval, it was given a duration of 3 minutes, while if it occurred in two intervals, it was given a duration of 6 minutes. If no response occurred after a disturbance, it was given a duration of 0 minutes. An additional model was fit with caribou group size, and a variable indicating the number of intervals that contained a disturbance (number of disturbances). However, the sample size was too small to include other variables or interaction terms and still achieve convergence. Data for all surveys are provided in Appendix B.

[2] ≤ = less than or equal to

6. RESULTS AND DISCUSSION

Results of exploratory and statistical analyses are provided below.

6.1 CARIBOU DISTRIBUTION RELATIVE TO THE MINE

During late June and early July, in the 6 years surveyed (2020 to 2025), caribou GPS collar locations were provided to the Mine though a data sharing agreement by the GN. This data indicated when caribou were approaching the Mine site. In the field, Agnico Eagle Environment Technicians completed confirmation of caribou presence using height-of-land and road surveys three times per day to determine the need for management actions (as per the TEMMP; Agnico Eagle 2025). These data informed the decision to begin behaviour surveys for caribou as they approached the site.

Survey locations by year are presented on Figure 6.1-1. From 15 June to 10 July 2025, groups of caribou from the Qamanirjuaq herd were observed passing through or near the study area, with limited numbers throughout this period and groups often beyond distances where they could be accurately surveyed. On 15 June 2025, the first caribou were observed; however, it was not possible to complete any surveys at the time due to distance from the observers to the group of caribou. In 2025, there were only five days when caribou were visible from the AWAR or Mine site and it was possible to survey. For multiple days in 2025, caribou were observed but were beyond the distance where they could be surveyed accurately. Surveys in 2025 were focused on the north end of the AWAR and to the east of the Mine site, based on caribou presence.

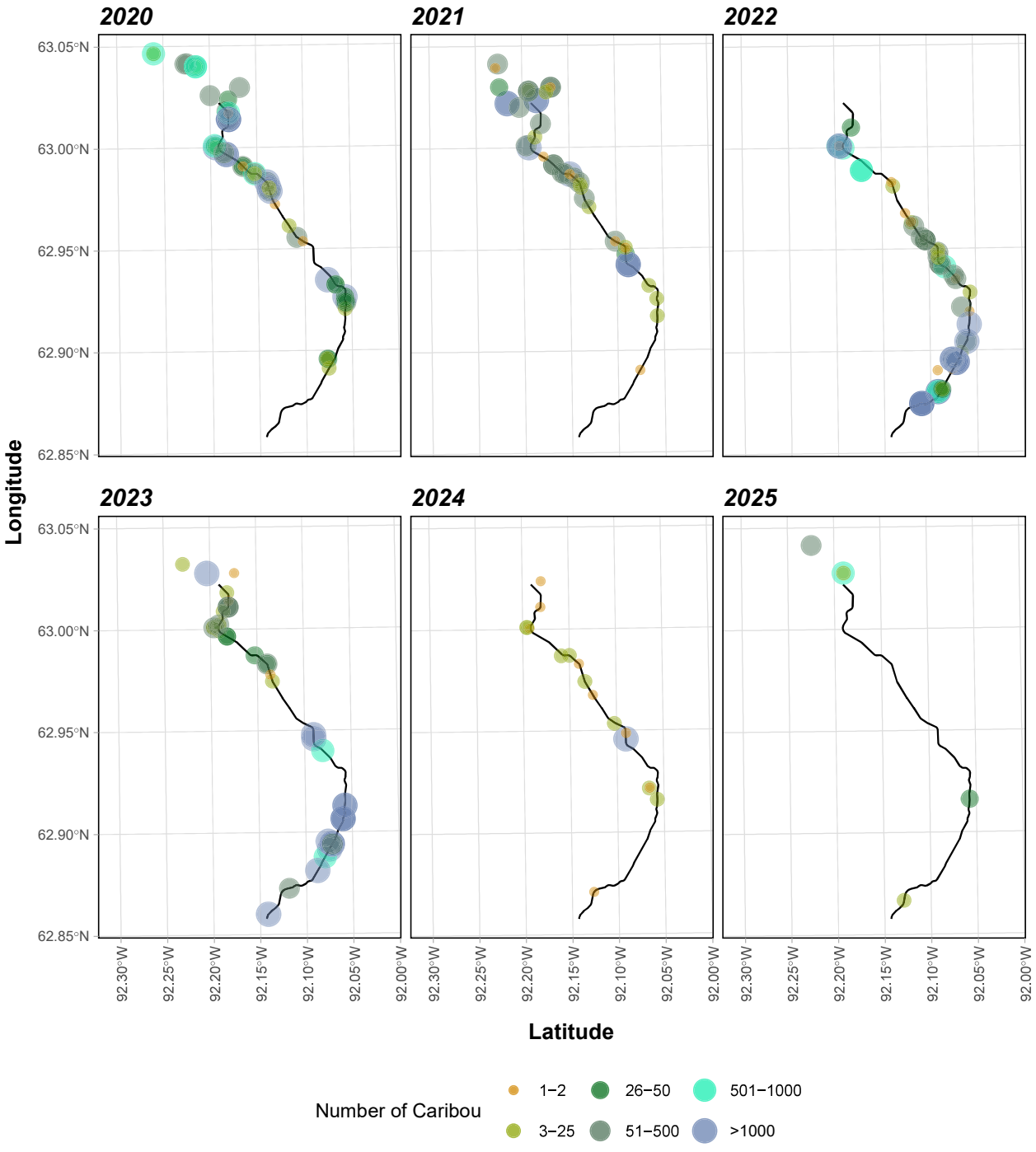
6.2 FIELD SURVEYS COMPLETED

In total, five caribou behaviour surveys on five days were completed in 2025 during the period of 15 June to 10 July, when groups of caribou were near the Mine. This is compared to the 56, 46, 69, 42, and 17 surveys completed from 2020 to 2024, respectively (Table 6.2-1). Surveys were completed opportunistically whenever caribou were encountered during daily reconnaissance drives, primarily along the AWAR, but also around the Mine site when the opportunity arose. These numbers represent the upper limit of what could be achieved in each year, given the logistical challenges of the caribou being onsite for a short period of time and the safety risk of vehicles being stopped by caribou on the road, leaving surveyors stranded for long periods of time.

In general, during the post-calving and early summer periods (June to July), barren-ground caribou aggregate into large groups (COSEWIC 2016; Russell and Gunn 2019). While in previous years, it was common to experience several days where groups as large as 50,000 individuals were encountered; in 2025, predominantly groups of 500 or less caribou were observed near Meliadine. This shift in caribou observations around the Meliadine area align with those reported through conversations with community members by monitoring teams along the AWAR, and GN collar data.

Overall, the survey methodology worked well for the Mine’s location and circumstances, and the survey results remain consistent between all years from 2020 to 2025. All reported results use the combined data from 2020 to 2025, unless otherwise stated.

FIGURE 6.1-1 LOCATIONS OF BEHAVIOUR SURVEYS BY DATE



Note: Point colour and size indicate group size. The black line shows the location of the All-Weather Access Road.

TABLE 6.2-1 MELIADINE CARIBOU BEHAVIOUR SURVEYS DATA SUMMARY

Year	Type of Survey	Caribou Group Size						
		Small Group			Large Group			Total
		1–2	3–25	26–50	51–500	501–1,000	>1,000	
2020	Total number of surveys	5	11	9	14	6	11	**56**
	Surveys with disturbances	4	2	3	11	3	6	**29**
	Surveys with observed road crossings	2	2	0	1	1	0	**6**
2021	Total number of surveys	8	11	2	16	0	9	**46**
	Surveys with disturbances	5	7	0	8	0	7	**27**
	Surveys with observed road crossings	0	3	0	6	0	3	**12**
2022	Total number of surveys	11	9	3	18	8	20	**69**
	Surveys with disturbances	9	7	1	15	4	17	**53**
	Surveys with observed road crossings	3	4	0	6	0	2	**15**
2023	Total number of surveys	3	11	4	8	2	14	**42**
	Surveys with disturbances	2	1	1	3	0	5	**12**
	Surveys with observed road crossings	0	1	4	1	0	6	**12**
2024	Total number of surveys	8	8	0	0	0	1	**17**
	Surveys with disturbances	6	4	0	0	0	1	**11**
	Surveys with observed road crossings	1	2	0	0	0	0	**3**
2025	Total number of surveys	0	2	1	1	1	0	**5**
	Surveys with disturbances	0	0	1	0	1	0	**2**
	Surveys with observed road crossings	0	1	0	0	0	0	**1**

Note:
> = greater than

General observations on survey methods and results included the following:

- From 2020 to 2023, surveys were well distributed across a range of group sizes (Table 6.2-1). In 2024, most groups sampled were in the categories of 1–2 or 3–25 caribou, with only a single group of more than 1,000 caribou surveyed, due to a lack of caribou occurrence within sight of the Mine. In 2025, group sizes were noticeably smaller, with small groups of 3–25 being the most common category sampled and no groups exceeding 1,000 individuals.
- In 2025, caribou were observed within 5 km of the Mine for a sustained period from 19 June to 28 June, including multiple large (>500) groups on the east shore of Meliadine Lake for multiple days.
- Of the 235 surveys completed across 6 years, more than half recorded at least one disturbance during the survey (Table 6.2-1). Note that surveys were completed specifically to record responses to disturbances; therefore, the proportion of surveys with disturbances is higher than the actual proportion of caribou exposed to disturbances.
- In 2025, 40% of surveys included a recorded disturbance. Due to a lack of caribou exceeding the thresholds established in the TEMMP (>50 caribou within 300 m), Mine traffic on the AWAR was not suspended during the period when behaviour surveys were completed in 2025, although non-essential surface activities at the Mine were suspended (a Level 3 caribou protocol, as outlined in the TEMMP) at the time of all behaviour surveys.
- From 2020 to 2023, the AWAR was closed to Mine traffic as a mitigation measure during many of the surveys, leaving a small number of essential Mine vehicles on the road, generally pickup trucks. It is expected that the ratio of local ATVs to total traffic would, therefore, be higher during road closures because total traffic is much reduced, while the number of ATVs used by local community members commonly increases during these closures. No AWAR closures occurred in 2024 or 2025, as thresholds for this mitigation were not met.
- Caribou surveys were considered an essential activity, allowing the survey pickup trucks to be used on the AWAR, even when the road was closed to normal Mine traffic. However, following guidance in the TEMMP, vehicles were stopped when caribou were on or near the road.
- The methods followed allowed for the estimation of baseline behaviour, response to disturbance, and return to baseline behaviour. Few surveys from 2020 to 2025 (6%) ended before caribou returned to baseline behaviour. Therefore, 30 minutes appears to be an appropriate survey length.
- Most caribou behaviours were calm, generally foraging, laying, and not moving quickly (non-response). Smaller groups moved slightly more than larger groups, exhibiting more trotting and alertness than larger groups.
- Caribou were observed crossing the AWAR in 20% of surveys in 2025, 18% of surveys in 2024, 28% of surveys in 2023, 22% of surveys in 2022, 25% of surveys in 2021, and 10% of surveys in 2020, primarily in small groups of less than 25 individuals. Large groups of caribou were also observed crossing the AWAR in each year other than 2024 and 2025, including groups of over 10,000 caribou.
- From 2021 to 2025, distance was estimated with a rangefinder or georeferenced map. For the analyses completed here, distance was considered as a continuous variable, with data from 2020 using the most conservative (smallest) value of the associated distance category.

6.3 EXPLORATORY ANALYSIS RESULTS

The exploratory analyses were completed to determine if there were any trends or interactions in the following variables: road crossing, group size, distance to infrastructure (the AWAR or Mine), weather and timing, side of the road (east or west), number of disturbances, and response time following disturbances. An analysis of insect response as a variable was also planned, but no responses by caribou were recorded from the combined (2020 to 2025) surveys, which precluded further exploration of this variable. All results presented in this report use the combined data from 2020 to 2025, unless otherwise stated. Exploratory analyses are focused on exploring potential trends in the data, with results being a qualitative interpretation of the patterns observed. Statistical analyses are presented in Section 6.4.

6.3.1 ROAD CROSSING

Results of the exploratory analyses indicated that groups closer to the AWAR at the start of the survey were more likely to cross the road during the survey (Figure 6.3-1). This trend was seen in all survey years.

6.3.2 GROUP SIZE AND DISTANCE TO INFRASTRUCTURE

Plotting the caribou group size against the distance of caribou groups to the road at the start of the survey revealed that small groups (less than 50 individuals) were observed in equal proportions across all distances, regardless of year (Figure 6.3-1). Large groups tend to be observed further from the road at the start of the survey, and smaller groups tend to be observed closer to the road when data are combined across years.

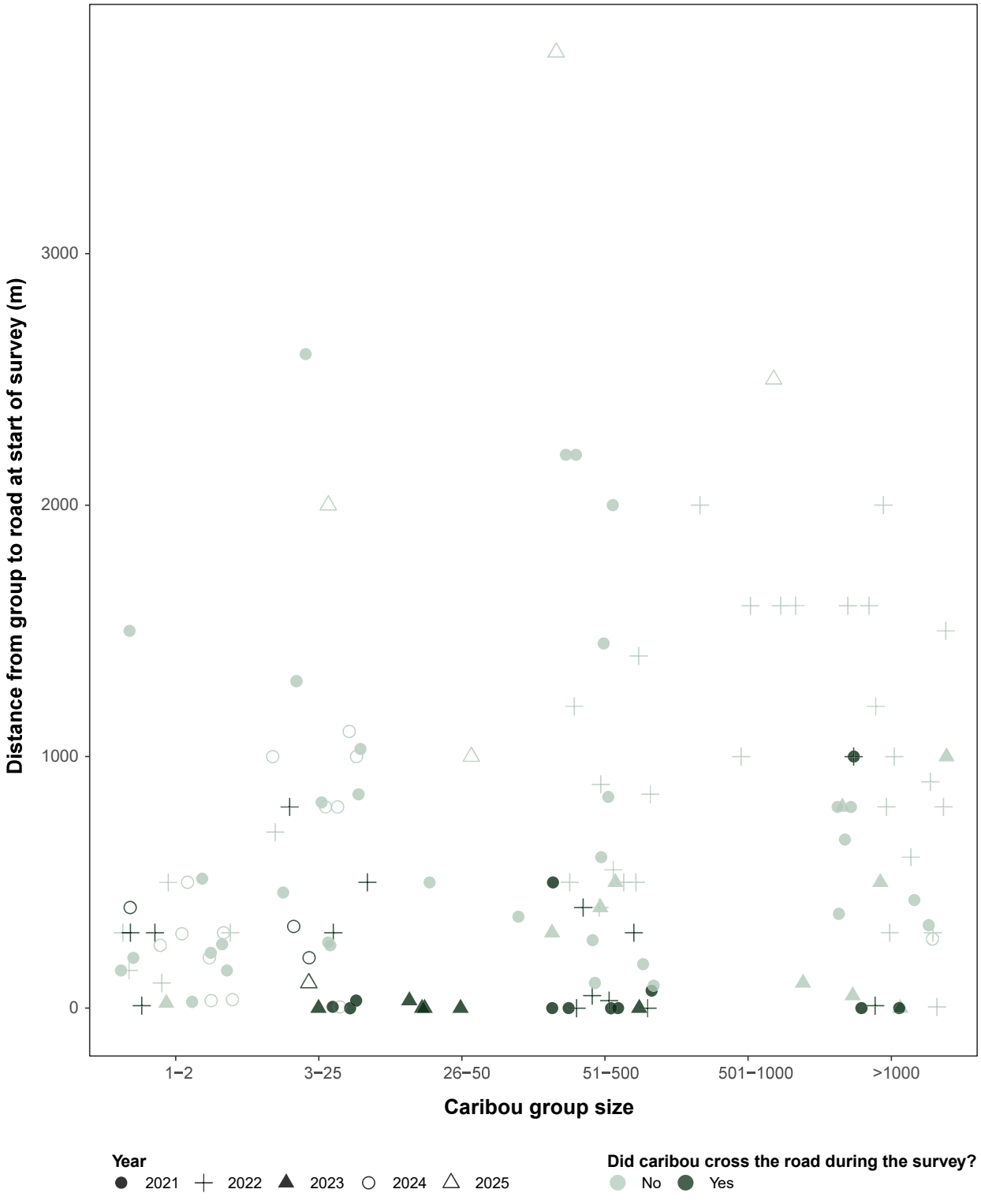
6.3.3 BEHAVIOUR TYPE, GROUP SIZE, AND DISTANCE TO INFRASTRUCTURE

Average proportions of each behaviour type by group size and by distance to the road are presented on Figure 6.3-2. When analyzed by group size (Figure 6.3-2, Panel A), the results suggest that the proportion of response behaviours “alert” and “trotting” are inconsistent across group sizes and years.

When analyzed by distance to infrastructure (Figure 6.3-2, Panels B and C), the results suggest that the proportion of response behaviours was higher closer to infrastructure than further away. This pattern was observed annually from 2020 to 2022 and in 2024 and 2025; however, this pattern was not observed in 2023 where qualitative exploratory analysis suggests no clear trend in response to distance to infrastructure. In 2021 through 2025, distance to infrastructure and distance to observer were collected separately; therefore, distance to infrastructure was used as a model covariate except for 2020, where distance to observer was used as a proxy.

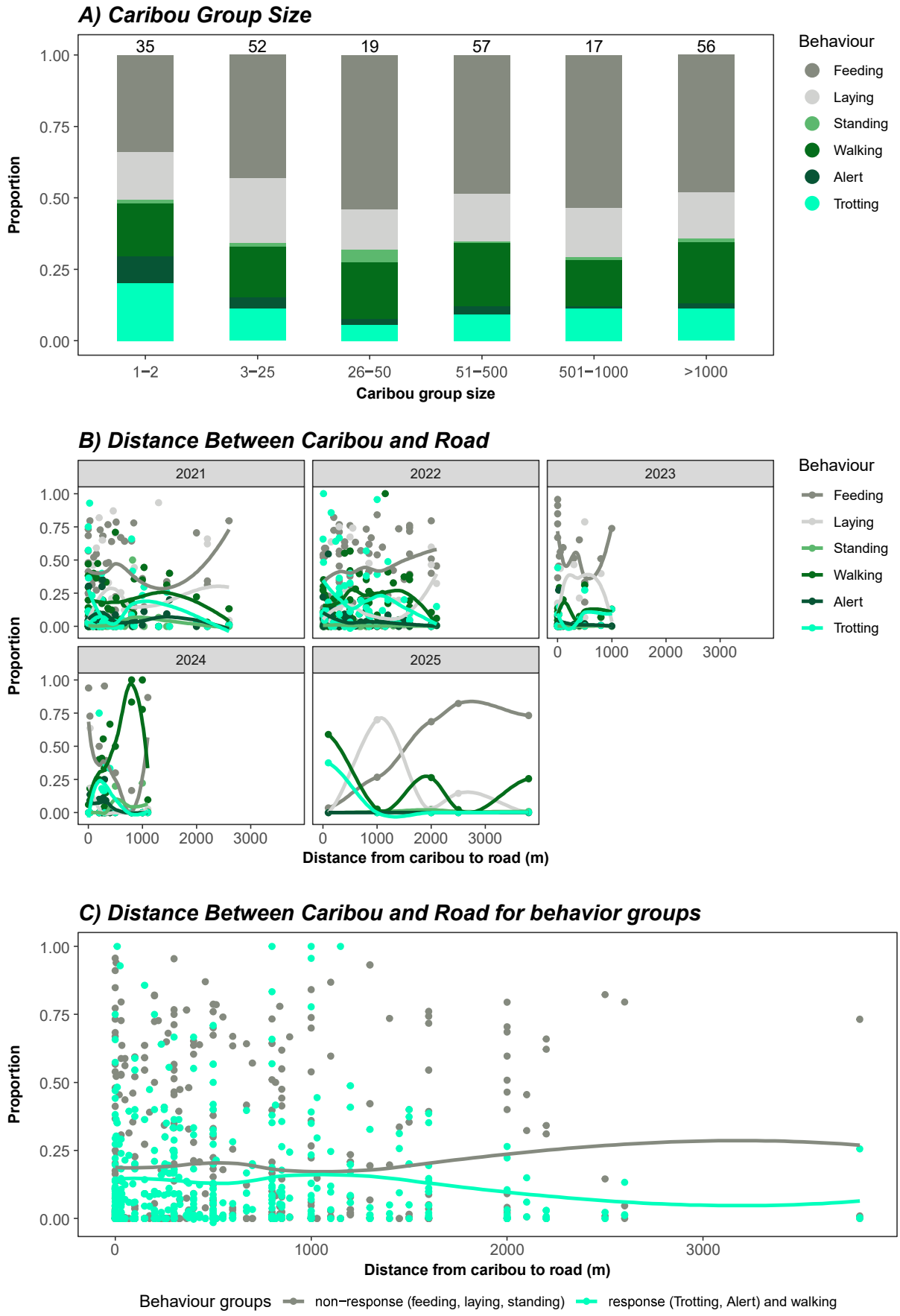
Small groups (less than [<] 25) showed higher response behaviours than large groups (>1,000) in all survey years, except 2024. However, in 2025, the difference was only marginal, and only one group exceeding 1,000 individuals was surveyed that year. This pattern was especially true near the road (i.e., within 50 m from where the survey started).

FIGURE 6.3-1 CARIBOU GROUP SIZE VERSUS DISTANCE FROM THE CARIBOU TO THE ROAD



Note: Distance from surveyors to the caribou is considered equivalent to distance from road in this report

FIGURE 6.3-2 AVERAGE PROPORTION OF EACH BEHAVIOUR TYPE OBSERVED



6.3.4 BEHAVIOUR TYPE AND ENVIRONMENTAL VARIABLES

Figure 6.3-3 shows the relationship between: 1) the proportion of response behaviours; and 2) environmental variables, namely temperature, wind speed, and date. This comparison was included to explore the possibility that environmental factors, such as heat or high winds, were influencing caribou behaviour during the survey. No trend is visible in the data and trend lines fit to the abiotic environmental data are nearly flat with wide confidence intervals, suggesting that environmental factors do not have a substantial effect on behaviour relative to other factors. The date was also included to explore the hypothesis that caribou behaviour may change as the season transitions from the more sensitive post-calving season into summer; however, the results indicated that the date was not associated with caribou behaviour.

No relationship between wind speed and caribou behaviour was observed. However, observations were only collected in June, with a smaller proportion of observations in early July, generally before most mosquitoes emerge. Therefore, it is less likely for there to be an effect of wind relief from insects at this time of year. Further, a dedicated assessment of insect response behaviours was added to the survey protocol for 2024 and completed in 2025; however, no caribou exhibited insect responses during the surveys, which precluded further assessment of this variable.

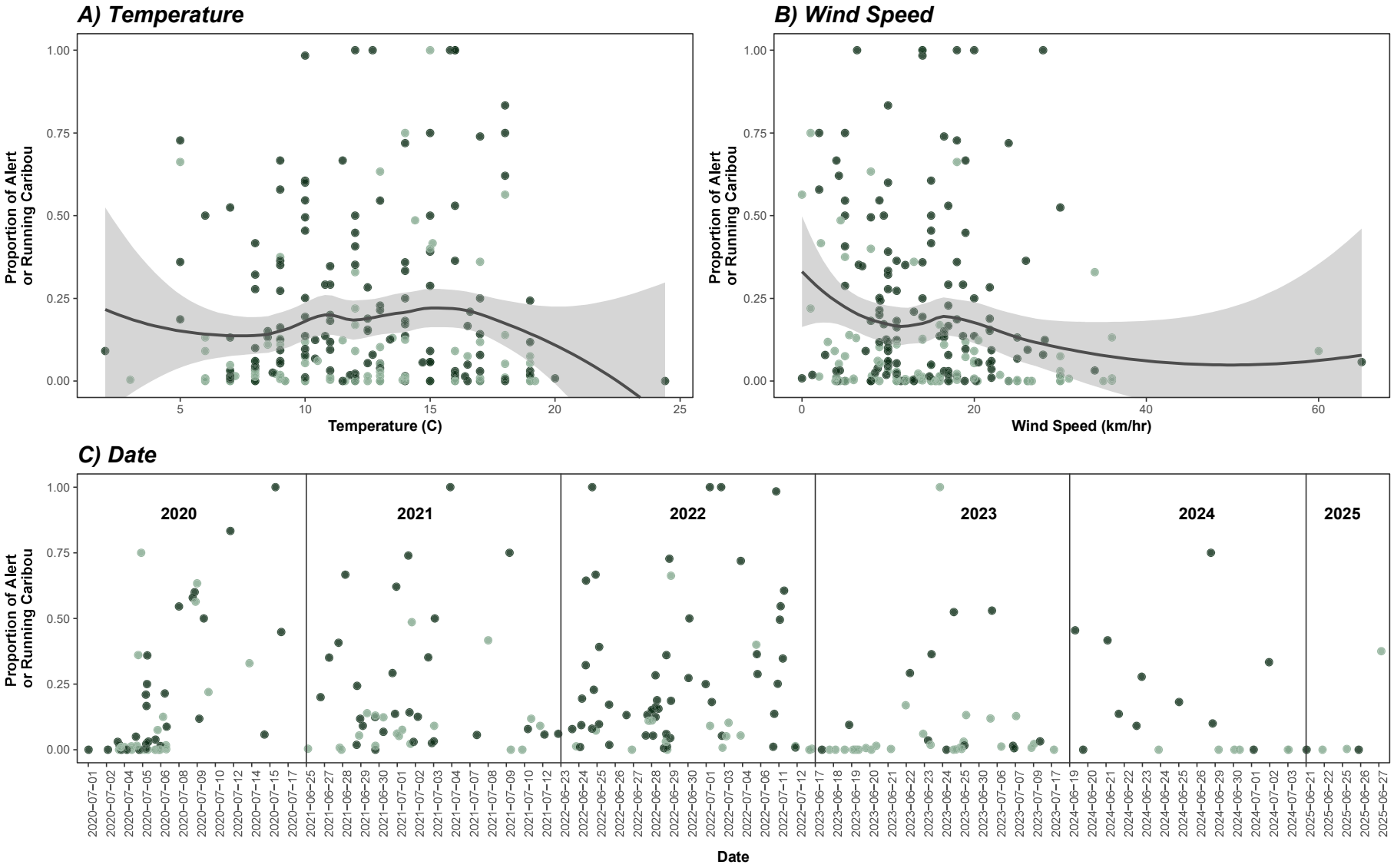
6.3.5 UPSTREAM OR DOWNSTREAM OBSERVATIONS

The movement pattern for caribou in the Mine area is variable. In some years, caribou primarily cross the road travelling east to west, and in other years, it is the opposite. From 2020 to 2023, most of the observed caribou were travelling northwest to southeast from their calving grounds, around the west side of Meliadine Lake and on to the coast to feed. In 2024 and 2025, a different pattern was observed, with most post-calving caribou travelling west and south, which resulted in fewer opportunities to complete behaviour surveys.

The pattern from 2020 to 2023 aligns with observations from community members in Rankin Inlet and observations at the Mine. For example, in an email to Agnico Eagle Environment Department staff, the Kivalliq Inuit Association mentioned that the majority of collared caribou are going northward when the lake is frozen. They further mentioned that some come through the south end and then cross at kilometre marker (KM) 25-27, and then go east. Because of this, it is hypothesized that behaviour may vary depending on whether the caribou had crossed the road already (east, or the "downstream" side) or whether they were anticipating to do so (west, or the "upstream" side). The pattern observed in 2024 and 2025 is irregular, but has been suggested by community members from Chesterfield Inlet as occurring periodically based on oral history and Traditional Knowledge.

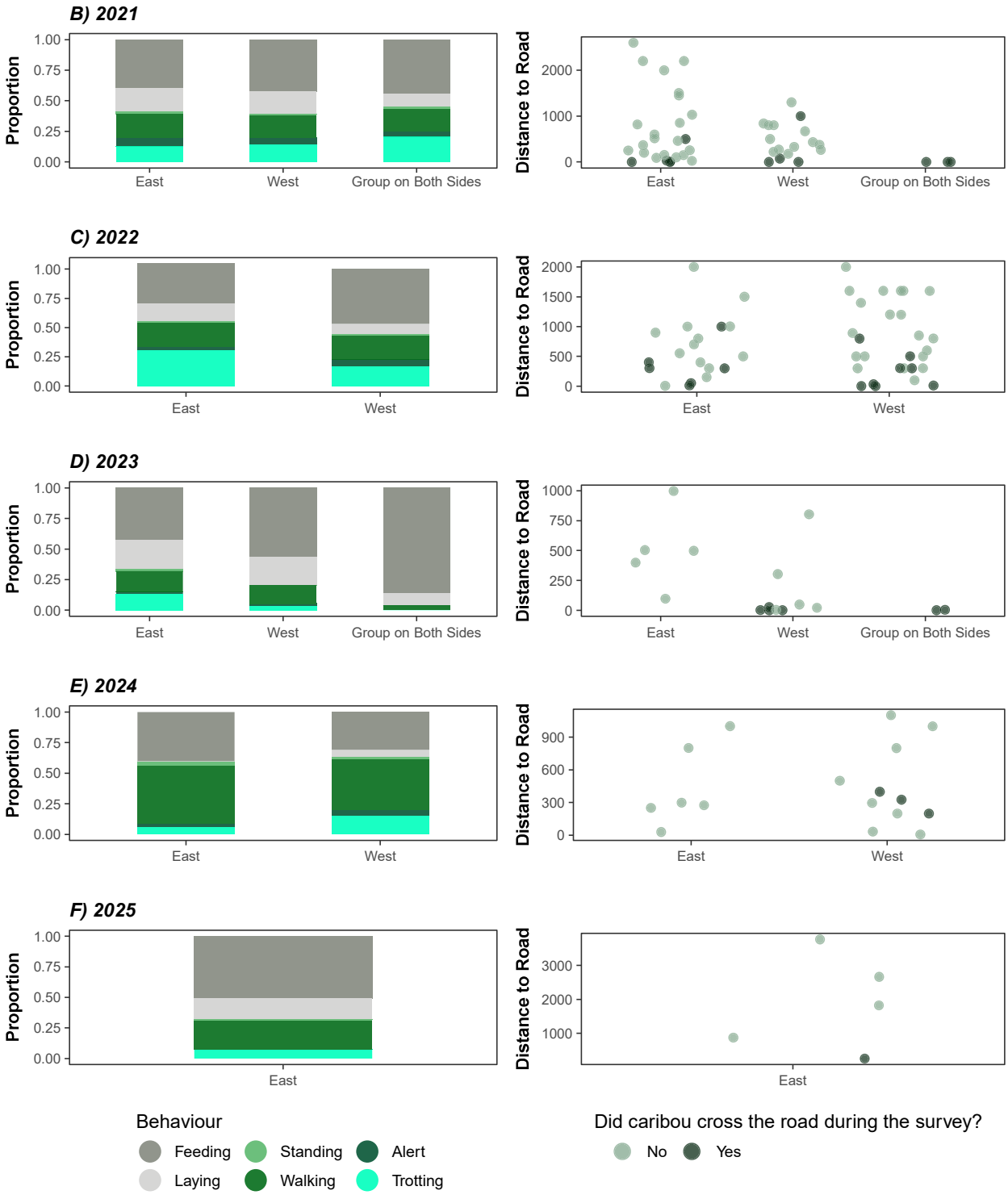
When the proportion of each behaviour type was compared between surveys on the east and west side of the road (Figure 6.3-4), the two subsets were almost identical in 2020, 2021, and 2024. More response behaviours were observed on the east (downstream) side of the road in 2022, 2023, and 2025.

FIGURE 6.3-3 PROPORTION OF ALERT OR RUNNING CARIBOU BY TEMPERATURE, WIND SPEED AND DATE



Note: Colour indicates whether or not a disturbance occurred during the survey. In the top two panels, an exploratory loess smooth fit is shown in grey with 95% confidence intervals.

FIGURE 6.3-4 AVERAGE PROPORTION OF EACH BEHAVIOUR TYPE OBSERVED ON EAST AND WEST SIDE OF ROAD



One hypothesis is that caribou may be hesitant to cross the road, but that once they cross the road, they move away quickly. If this were the case, the prediction would be that groups of caribou would be observed close to the road on the upstream side, with fewer groups or groups further away on the downstream side. This predicted distribution was not observed in any year. Instead, groups of caribou were observed near the road on both sides, and frequently crossed in both directions. Figure 6.3-4 compares the distance to the road at the start of the survey with the location relative to the road (east or west). More surveys were done on caribou further from the road, but this was independent from which side of the road the caribou were on.

6.3.6 NUMBER OF DISTURBANCES

When duration of response (i.e., time taken for caribou to return to a baseline condition following a disturbance) is compared to the proportion of response behaviours, surveys with a higher proportion of caribou responding to the disturbance tend to take longer to recover to a baseline condition (Figure 6.3-5, Panel A). Notably, it appears that surveys with multiple disturbances do not consistently produce a larger response or a longer one. Although the long-lasting full-group responses are in surveys with multiple disturbances, there are surveys with multiple disturbances that do not have large reactions or longer-lasting (>15 minutes) response durations.

Figure 6.3-5 (Panel B) shows a density plot for the proportion of response behaviours in three subsets of surveys: those with no disturbances, those with one disturbance, and those with multiple disturbances. The results suggest a slightly higher proportion of alert or running caribou in surveys when one or more disturbances occurred. Surveys with multiple disturbances do not appear to have a greater overall response than surveys with one disturbance.

It should be noted that Figure 6.3-5 is an average proportion of response behaviours across the entire 30-minute survey, so in some instances, the proportion of response behaviours may have been obscured by the large number of intervals with no response behaviour.

6.3.7 RESPONSE TO DISTURBANCES

Summarizing data over the entire 30-minute survey is useful for broad comparisons, but has the disadvantage that response behaviour can be washed out in a relatively uneventful survey. To examine the response to disturbances within a survey, the proportion of response behaviours was plotted by 3-minute intervals for each survey, as shown for all 2025 surveys on Figure 6.3-6 (see Appendix C for plots of all surveys from 2020 to 2024).

On Figure 6.3-6, the response behaviours of “alert” and “trotting or running” are combined to depict the total proportion of responding caribou in any given time interval and plotted over time within the 30-minute survey. Disturbances are denoted with a vertical bar. A spike in response behaviours in the interval during a disturbance or immediately following a disturbance suggests that the caribou are responding to the disturbance. In previous years, disturbance response time was denoted with a horizontal red bar, with the end of the bar representing either a lower proportion of response behaviours than prior to the disturbance, or a 40% reduction in response behaviours from the peak following the disturbance. However, in 2025, caribou did not exhibit response behaviours following a disturbance.

FIGURE 6.3-5 COMPARISON OF RESPONSE BEHAVIOURS BY NUMBER OF DISTURBANCES

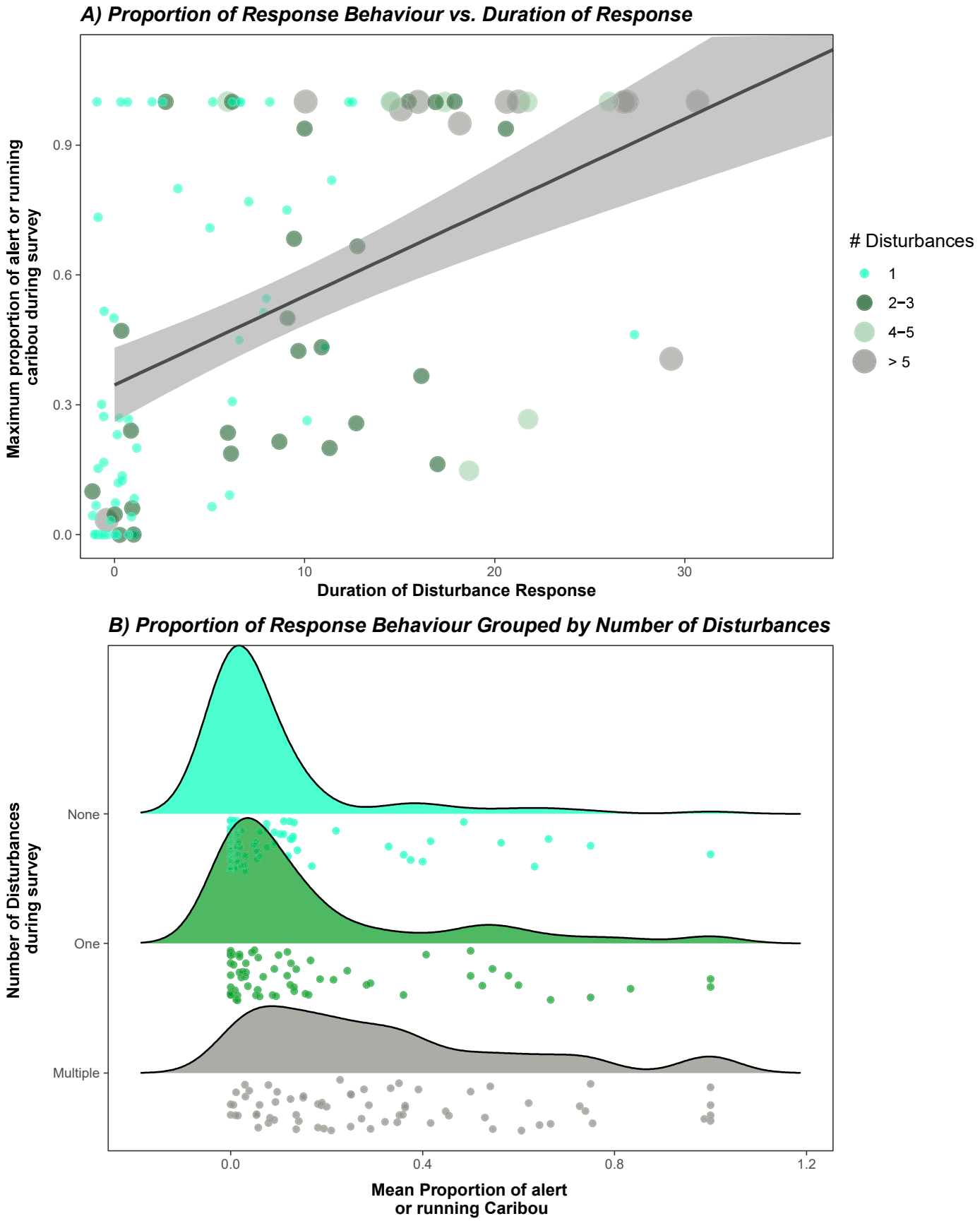
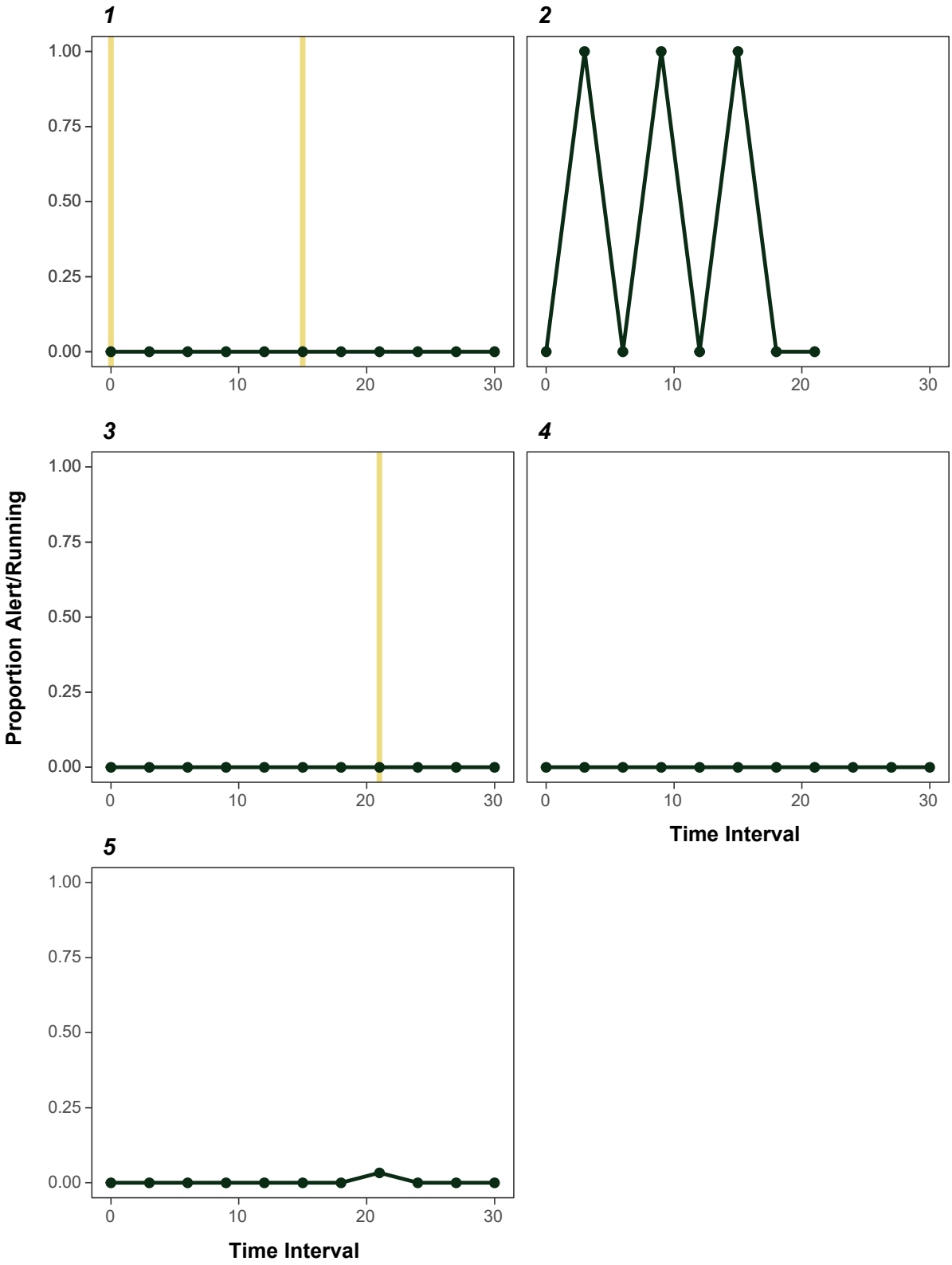


FIGURE 6.3-6 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY – 2025



CLIENT: Agnico Eagle Mines Limited
GRAPHICS NUMBER: AGN-25ERM-007:7

The results on Figure 6.3-6 show that even in the absence of disturbances, 40% of the surveys completed in 2025 demonstrated that caribou typically exhibit response behaviours at any given time. The data in Appendix C suggest that following a disturbance event, there was commonly a spike in the proportion of caribou with response behaviours increasing from 0% to 10%, to up to 60% to 90% of the group. No caribou exhibited response behaviours associated with disturbance during the 2025 surveys, likely due to the increased distance of caribou from infrastructure in these surveys. However, in previous years, the proportion of caribou with response behaviours quickly returned to a pre-disturbance level, often within three intervals (less than 9 minutes). For example, when a vehicle passed, most caribou would look up (which is classified as an alert response behaviour) and then return to feeding or standing (pre-disturbance behaviour).

During two surveys, there was a spike in response behaviours when no vehicle or other obvious disturbance was observed. Further analysis of survey data from 2020 to 2025 reveals that in 29% of surveys, caribou displayed response behaviours despite no disturbance being recorded. There are several factors that may account for this, including a disturbance that could not be detected by surveyors, insect harassment, or gregarious behaviour (e.g., one caribou reacting triggers a chain reaction). In some surveys of varying group sizes and distances to the road (approximately 5.6% of surveys from 2020 to 2025), a vehicle passed by (which would be considered as a disturbance), but there was no increase in response behaviours observed in the caribou group during the subsequent time period.

6.4 STATISTICAL ANALYSIS RESULTS

As group size and distance to infrastructure were identified as being potentially correlated during the exploratory analyses, a Chi-square test was completed between the two variables to determine if they were too closely related to be included in a model together. A Chi-square ($\chi 2$) statistic can be used to test for the correlation between two categorical variables. The resulting Chi-square statistic was significant (p <0.001), indicating that group size is associated with distance to the road. To prevent overfitting the models, two separate models were run that included group size as an independent variable and distance to road as an independent variable, respectively. To bolster the sample size for statistical analyses, all analyses in this section were completed on the pooled dataset of 2020 to 2025 data, with the survey year and survey ID as a random effect.

The final models had many parameters, and it was difficult to attain model convergence. As a result, model variables that had little or no explanatory power and were not variables of interest (such as temperature) were dropped from the final model sets. Three response (dependent) variables were tested in three separate model sets, as described in the methods: proportion of response behaviour (alert or running), proportion of walking and response behaviour, and duration of response following disturbance.

6.4.1 PROPORTION OF RESPONSE BEHAVIOUR

The estimates and significance levels for the best-fitting models (one each with group size or distance to road) that used response behaviour as the dependent variable are presented in Tables 6.4-1A and 6.4-1B, and the best-fitting model that used walking and response behaviour as the dependent variable are provided in Tables 6.4-2A and 6.4-2B.

TABLE 6.4-1A SUMMARY OF MODEL COEFFICIENTS AND SIGNIFICANCE LEVELS FOR RESPONSE BEHAVIOUR MODEL WITH DISTANCE TO ROAD (N = 1,392)

Effect Type	Group	Variable	Estimate	Standard Error	*P*-Value
Fixed	-	(Intercept)	0.017	0.011	<0.001***
		Distance to road (m)	0.998	0.000	<0.001***
		Disturbance during interval	3.902	0.220	<0.001***
		Wind speed (km/h)	0.972	0.023	0.22
Random	Survey ID	SD for random effect	2.399	-	-
	Year	SD for random effect	0.884	-	-

Notes:
> = greater than; < = less than; survey ID = survey identifier; km/h = kilometre per hour;
SD = Standard Deviation
- indicates a value that is not available for this type of covariate.
Highly significant p-values (p <0.001) are indicated with three asterisks (***).

TABLE 6.4-1B SUMMARY OF MODEL COEFFICIENTS AND SIGNIFICANCE LEVELS FOR RESPONSE BEHAVIOUR MODEL WITH CARIBOU GROUP SIZE (N = 2,263)

Effect Type	Group	Variable	Estimate	Standard Error	*P*-Value
Fixed		Caribou group size:	-	-	-
		• 1–2 (intercept)	0.275	0.179	0.05·
		• 3–25	0.024	0.013	<0.001***
		• 26–50	0.003	0.002	<0.001***
		• 51–500	0.004	0.002	<0.001***
		• 501–1,000	0.003	0.003	<0.001***
		• >1,000	0.005	0.003	<0.001***
	-	Disturbance during interval	4.266	0.213	<0.001***
		Wind speed (km/h)	0.965	0.018	0.06·
Random	Survey ID	SD for random effect	2.285	-	-
	Year	SD for random effect	0.877	-	-

Notes:
> = greater than; < = less than; survey ID = survey identifier; km/h = kilometre per hour;
SD = Standard Deviation
- indicates a value that is not available for this type of covariate.
Highly significant *p*-values (*p* <0.001) are indicated with three asterisks (***). *P*-values <0.10 and >0.05 are indicated with a dot (·).

TABLE 6.4-2A SUMMARY OF MODEL COEFFICIENTS AND SIGNIFICANCE LEVELS FOR WALKING AND RESPONSE BEHAVIOUR MODEL WITH DISTANCE TO ROAD (N = 392)

Effect Type	Group	Variable	Estimate	Standard Error	*P*-Value
Fixed	-	(Intercept)	0.112	0.091	0.007*
		Distance to road (m)	0.999	0.000	<0.001***
		Disturbance during interval	2.195	0.112	<0.001***
		Wind speed (km/h)	0.984	0.020	0.42
Random	Survey ID	SD for random effect	2.195	-	-
	Year	SD for random effect	1.497	-	-

Notes:
> = greater than; < = less than; survey ID = survey identifier; km/h = kilometre per hour;
SD = Standard Deviation
- indicates a value that is not available for this type of covariate.
Statistically significant *p*-values <0.05 are indicated with a single asterisk (*). Highly significant *p*-values (*p* <0.001) are indicated with three asterisks (***).

TABLE 6.4-2B SUMMARY OF MODEL COEFFICIENTS AND SIGNIFICANCE LEVELS FOR WALKING AND RESPONSE BEHAVIOUR MODEL WITH CARIBOU GROUP SIZE (N = 2,263)

Effect Type	Group	Variable	Estimate	Standard Error	*P*-Value
Fixed		Caribou group size:	-	-	-
		• 1–2 (intercept)	1.390	0.703	0.51
		• 3–25	0.095	0.045	<0.001***
		• 26–50	0.013	0.008	<0.001***
		• 51–500	0.016	0.008	<0.001***
		• 501–1,000	0.010	0.006	<0.001***
		• >1,000	0.016	0.008	<0.001***
		Disturbance during interval	2.101	0.088	<0.001***
		Wind speed (km/h)	0.963	0.015	0.02*
Random	Survey ID	SD for random effect	1.967	-	-
	Year	SD for random effect	0.458	-	-

Notes:
> = greater than; < = less than; survey ID = survey identifier; km/h = kilometre per hour;
SD = Standard Deviation
- indicates a value that is not available for this type of covariate.
Statistically significant *p*-values <0.05 are indicated with a single asterisk(*). Highly significant *p*-values (*p* <0.001) are indicated with three asterisks (***).

In Tables 6.4-1 and 6.4-2, the statistics presented include the type of term in the model (fixed versus random effects), and variable estimate (Odds Ratio), which can be interpreted as the expected effect on the dependent variable as the independent variable increases. For example, in Table 6.4-2B, the <1 estimate for windspeed indicates that as the wind speed increases, the proportion of caribou with response or walking behaviours decreases. However, estimates should always be considered in tandem with the standard error; if the standard error is larger than the estimate, the estimate has little precision. For random effects, the estimate indicates the standard deviation of the random term. The *p*-value statistic indicates whether there is a relationship between the variable and the response, taking into account the other variables in the model. Significant *p*-values (<0.05) for variables with more than two categories were followed up with pairwise post-hoc tests to determine which groups were different. A *p*-value of less than 0.05 suggests that the variable is an important determinant of the response, as it indicates that the probability of observing an association as strong as if there had been no relationship, is less than 5%.

Tables 6.4-1 and 6.4-2 suggest that in both models, whether a disturbance occurred during an interval was a significant predictor of the proportion of animals exhibiting response behaviour during that interval. In both models for response alone, the Odds Ratio is approximately 4, suggesting that there is a four times higher chance of response behaviour in intervals containing a disturbance averaged across group size or distance to road. In the models that included walking behaviour, there is approximately two times higher odds of exhibiting this behaviour in intervals where a disturbance occurred. The models also suggest that both distance to road and caribou group size are significantly associated with the proportion of caribou exhibiting response behaviour, which are explored in Sections 6.4.2 and 6.4.3.

6.4.2 CARIBOU GROUP SIZE INFLUENCE ON RESPONSE

Post-hoc pairwise test results are illustrated on Figures 6.4-1 and 6.4-2 for different categories of caribou group size. The shaded grey bars indicate the 95% confidence intervals around the estimates of average proportions of caribou exhibiting response behaviour. The points indicate the means (averaged over whether a disturbance occurred), and the green arrows show the pairwise comparisons among groups. The areas where these arrows do not overlap suggest a significantly different response between the groups. The smallest group size (1 to 2 caribou) had the largest proportion of response or walking behaviour, and this was different from all other group sizes (Figures 6.4-1 and 6.4-2). The next largest group size (3 to 25 caribou) also showed a significantly higher proportion of response or walking behaviour as compared to the larger group sizes, which were all similar to each other.

FIGURE 6.4-1 PAIRWISE COMPARISONS OF AVERAGE PROPORTION OF CARIBOU EXHIBITING RESPONSE BEHAVIOUR AMONG CATEGORIES OF CARIBOU GROUP SIZE

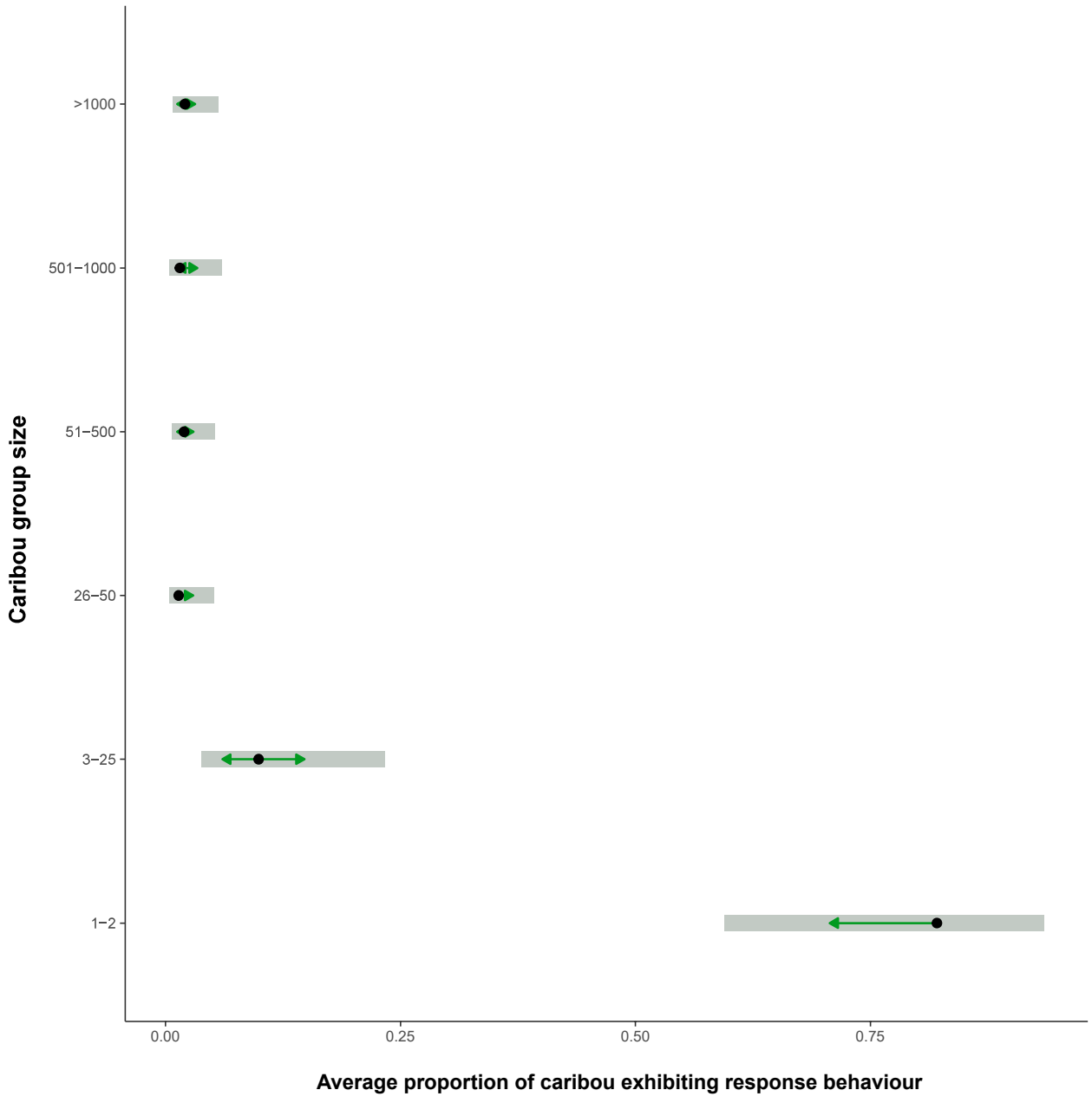
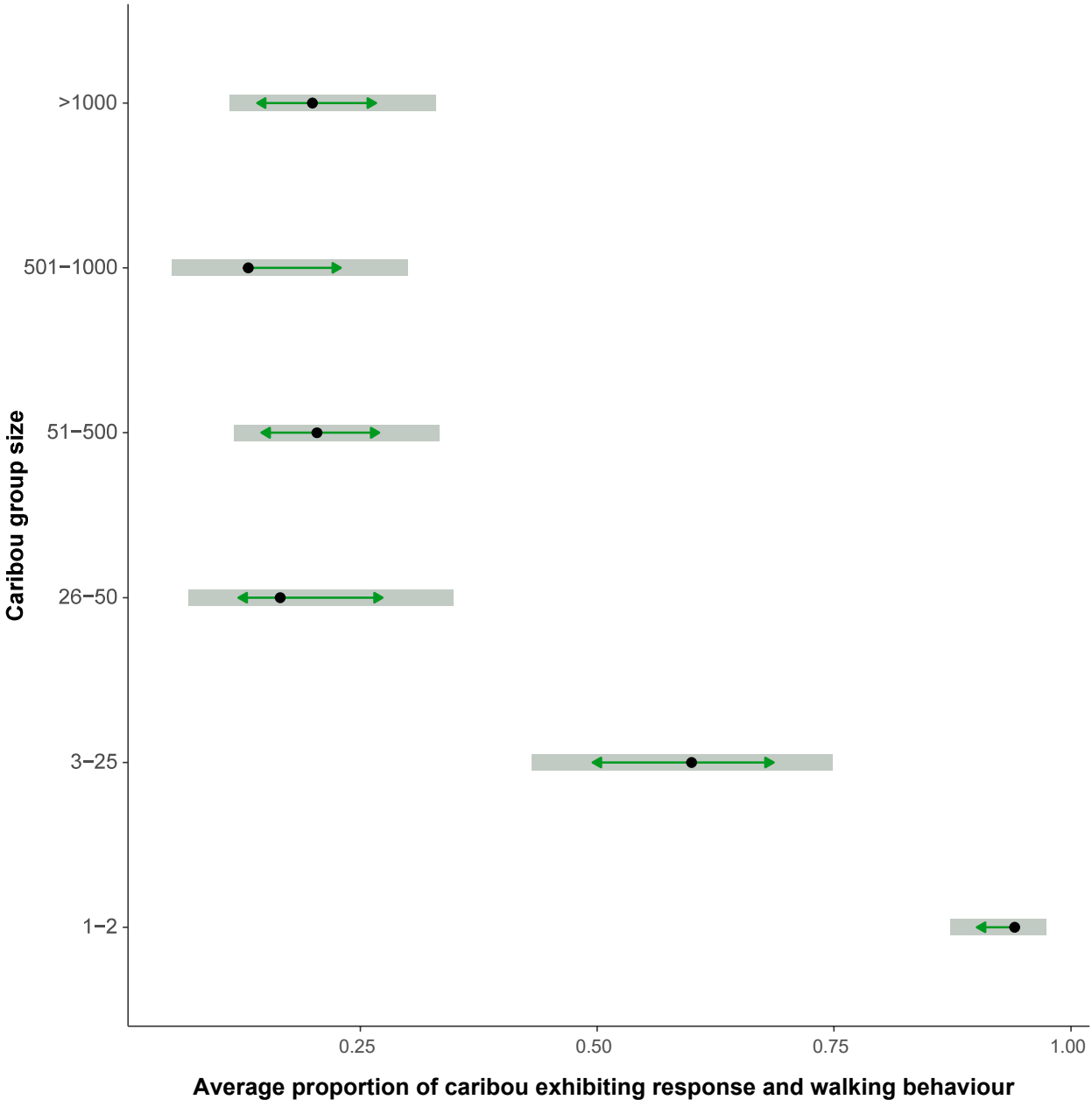


FIGURE 6.4-2 PAIRWISE COMPARISONS OF AVERAGE PROPORTION OF CARIBOU EXHIBITING RESPONSE AND WALKING BEHAVIOUR AMONG CATEGORIES OF CARIBOU GROUP SIZE



6.4.3 DISTANCE TO INFRASTRUCTURE INFLUENCE ON RESPONSE

For the response models, there is a significant effect of distance to infrastructure. This suggests a change in behaviour that occurs more strongly when caribou are closer to roads or to the Mine site. Categorical distance analyses completed in previous years (2020 to 2024) suggest a change in the response proportion at an approximately 300 m distance from infrastructure, with those closest to infrastructure exhibiting a higher proportion of response behaviour (ERM 2024b).

Figures 6.4-3 and 6.4-4, as well as Tables 6.4-3 and 6.4-4, show the relationship between walking or response behaviour probability at different distances from infrastructure. Shown with a continuous relationship (Figures 6.4-3 and 6.4-4) as the distance between caribou and infrastructure at the start of the survey increases, caribou groups have a lower probability of walking or exhibiting response behaviour. Pairwise comparisons of response-only behaviours between different categorical distance bins suggest that response in the smallest distance bin (0 to 50 m) is significantly higher than the two largest (1,201–2,000 m and >2,000 m) bins (Table 6.4-3). Additionally, caribou in the 101–300 m distance bin are more responsive than those in the 301–600 m, 1,201–2,000 m, and >2,000 m bins. When considering walking and response behaviours together, only caribou in the 101–300 m bin are significantly more responsive (walking or response behaviours) than those in the 1,201–2,000 m or >2,000 m bins (Table 6.4-4). Collectively, these results support the findings of previous categorically binned analyses, suggesting an inflection in caribou behavioural response approximately 300 m from infrastructure.

TABLE 6.4-3 PAIRWISE SIGNIFICANT DIFFERENCES IN THE PROBABILITY OF CARIBOU RESPONSE BEHAVIOUR BETWEEN CATEGORICALLY BINNED DISTANCE GROUPS

Group Contrast	Odds Ratio	Standard Error	*P*-Value
(0–50) / (1,201–2,000)	12.74	10.10	0.03*
(0–50) / >2,000	50.54	58.00	0.01*
(101–300) / (301–600)	13.00	8.63	0.003*
(101–300) / (1,201–2,000)	43.33	33.51	<0.001***
(101–300) / >2,000	171.83	202.56	<0.001***

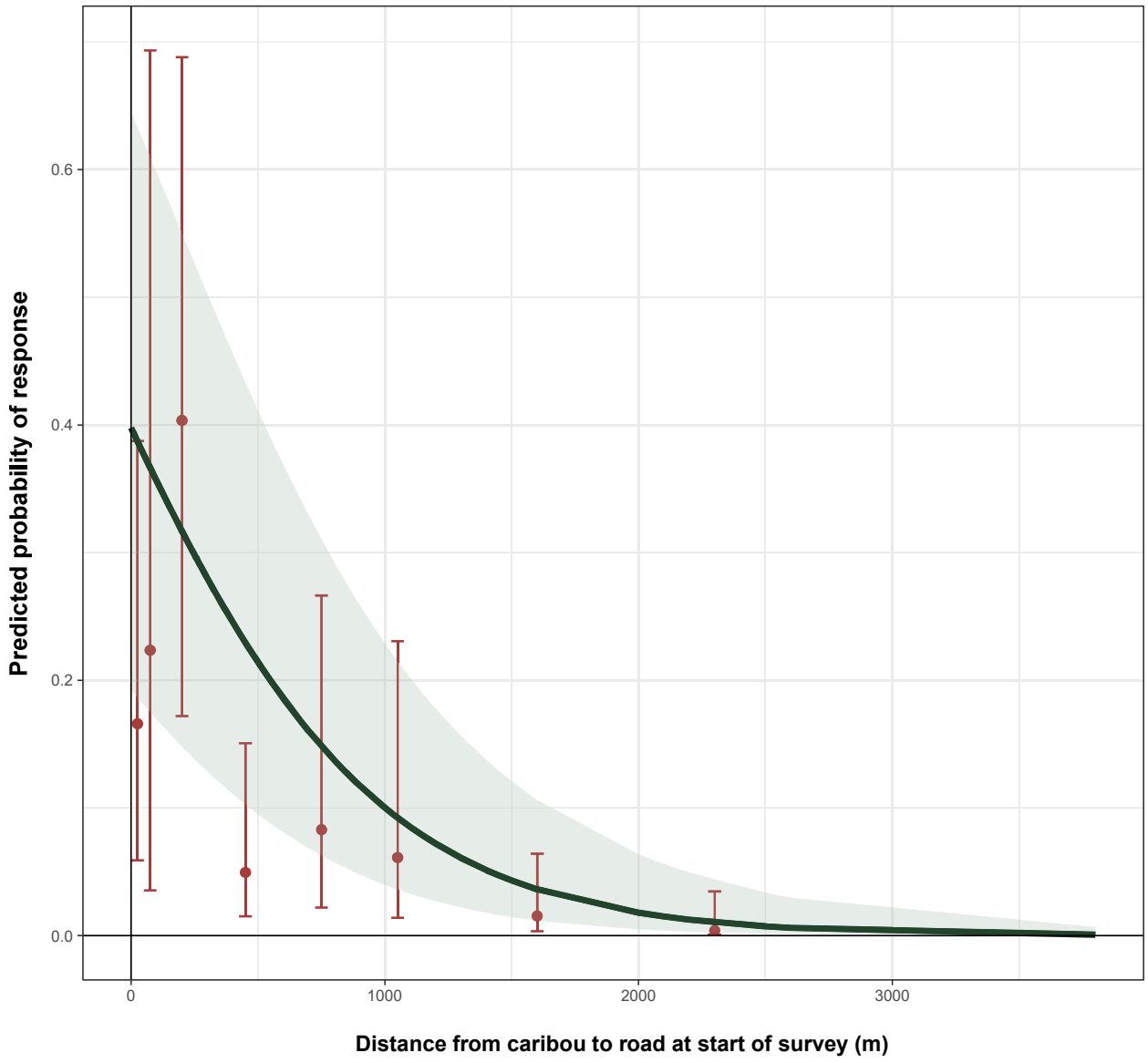
Notes:
> = greater than; < = less than
Statistically significant *p*-values <0.05 are indicated with a single asterisk (*). Highly significant *p*-values values (*p* <0.001) are indicated with three asterisks (***).

TABLE 6.4-4 PAIRWISE SIGNIFICANT DIFFERENCES IN THE PROBABILITY OF CARIBOU WALKING AND RESPONSE BEHAVIOUR BETWEEN CATEGORICALLY BINNED DISTANCE GROUPS

Group Contrast	Odds Ratio	Standard Error	*P*-Value
(101–300) / (1,201–2,000)	13.40	9.35	0.005*
(101–300) / >2,000	33.77	34.56	0.01*

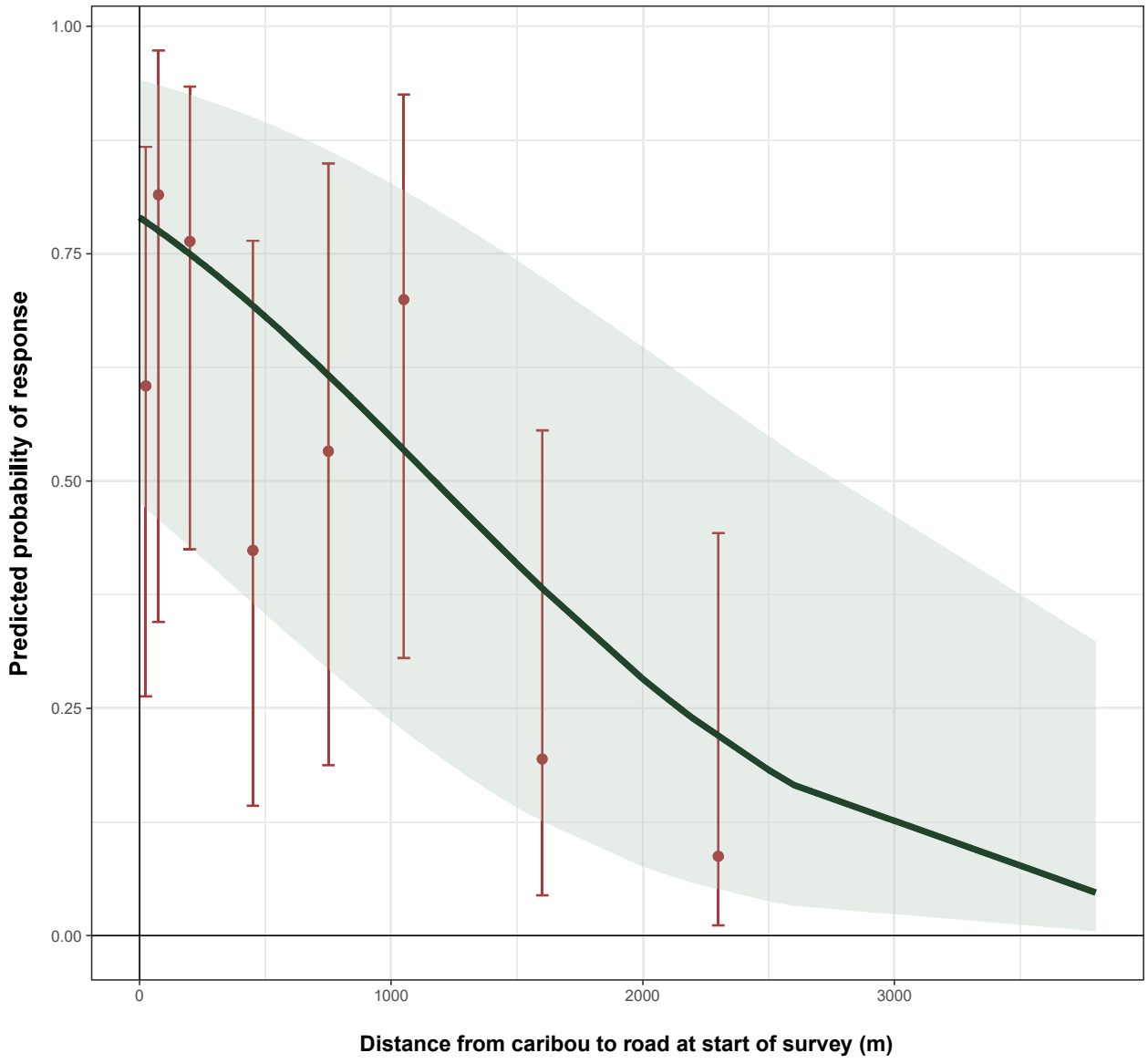
Note:
Statistically significant *p*-values <0.05 are indicated with a single asterisk (*).

FIGURE 6.4-3 PREDICTED EFFECT OF DISTANCE FROM CARIBOU GROUP TO THE ROAD ON THE PROBABILITY OF CARIBOU DISPLAYING A RESPONSE BEHAVIOUR



Note:
The line shows the predicted change in response probability with distance, using estimates from the continuous model
Red points show predicted probabilities from the model that includes distance as a categorical variable.
Distance bins cover: 0–50, 51–100, 101–300, 301–600, 601–900, 901–1200, 1201–2000, and >2000 metres from the road
Distance from surveyors to the caribou is considered equivalent to distance from road in this report

FIGURE 6.4-4 PREDICTED EFFECT OF DISTANCE FROM CARIBOU GROUP TO THE ROAD ON THE PROBABILITY OF CARIBOU DISPLAYING RESPONSE OR WALKING BEHAVIOURS



Note:
The line shows the predicted change in response probability with distance, using estimates from the continuous model
Red points show predicted probabilities from the model that includes distance as a categorical variable.
Distance bins cover: 0–50, 51–100, 101–300, 301–600, 601–900, 901–1200, 1201–2000, and >2000 metres from the road
Distance from surveyors to the caribou is considered equivalent to distance from road in this report

6.4.4 DURATION OF RESPONSE

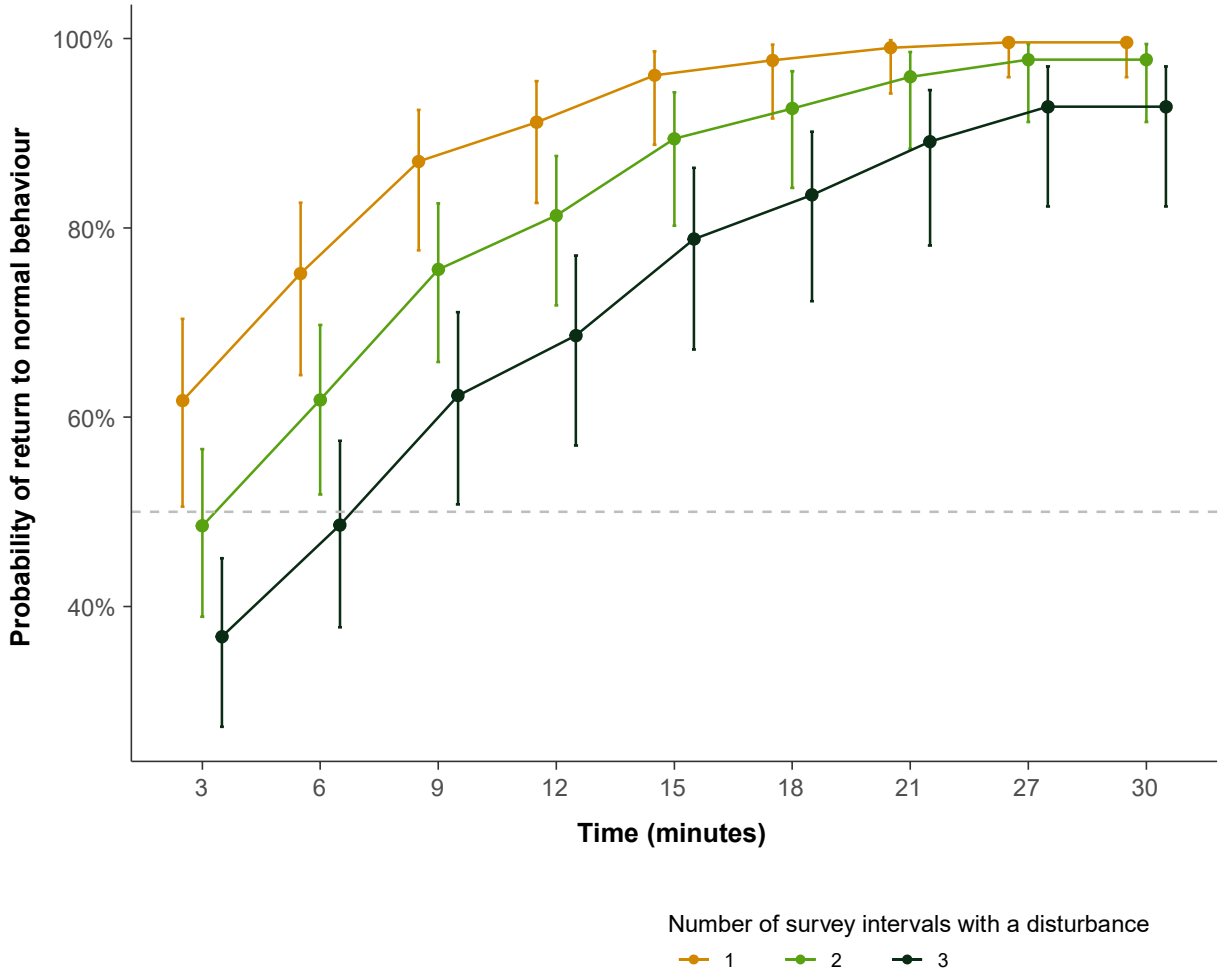
The mean number of survey intervals with a disturbance was 2.4, while the median number of survey intervals with a disturbance was 1 and the maximum was 11. The final model duration of response models included the number of disturbances that occurred during the survey, as further covariates were not possible due to the level of data available while still reaching model convergence. The estimates from the model can be used to calculate the probability of returning to normal behaviour within a certain period of time for different numbers of disturbances. Table 6.4-5 and Figure 6.4-5 give the estimates and confidence intervals for the probability of returning to normal behaviour within a certain time by number of intervals in which a disturbance occurred. Over the range of the number of disturbances and group sizes, the model suggests that 87% (95% Confidence Interval [CI] = 78% to 92%) of surveyed groups will have returned to normal behaviour within 9 minutes or less following a single disturbance, while increasing numbers of survey intervals with a disturbance result in a longer duration of response behaviours.

TABLE 6.4-5 PROBABILITY (MEAN AND 95% CONFIDENCE INTERVAL) OF RETURNING TO NORMAL BEHAVIOUR WITHIN A CERTAIN TIME BY NUMBER OF DISTURBANCES

Number of Disturbances	3 Minutes	6 Minutes	9 Minutes	12 Minutes	15 Minutes	18 Minutes	21 Minutes	27 Minutes	30 Minutes
1	62% (51, 70)	75% (64, 83)	87% (78, 92)	91% (83, 96)	96% (89, 99)	98% (92, 99)	99% (94, 100)	100% (96, 100)	100% (96, 100)
2	49% (39, 57)	62% (52, 70)	76% (66, 83)	81% (72, 88)	89% (80, 94)	93% (84, 97)	96% (88, 99)	98% (91, 99)	98% (91, 99)
3	37% (27, 45)	49% (38, 58)	62% (51, 71)	69% (57, 77)	79% (67, 86)	83% (72, 90)	89% (78, 95)	93% (82, 97)	93% (82, 97)
4	27% (18, 36)	37% (25, 47)	49% (35, 60)	55% (41, 66)	66% (51, 76)	71% (56, 81)	78% (63, 87)	84% (68, 92)	84% (68, 92)
5	20% (11, 28)	27% (15, 37)	37% (22, 49)	43% (27, 55)	52% (35, 65)	58% (39, 70)	65% (46, 78)	72% (51, 83)	72% (51, 83)

Note:
% = percent

FIGURE 6.4-5 CUMULATIVE PROBABILITY OF RETURN TO NORMAL BEHAVIOUR BY DURATION OF RESPONSE FOR DIFFERENT NUMBERS OF DISTURBANCES



6.5 RESULTS SUMMARY

The results of these statistical analyses provide support for the hypothesis that caribou tend to respond to disturbances for several minutes, particularly when they are close to the road or in smaller groups. The odds of caribou exhibiting response behaviours are approximately four times higher following a disturbance event, while the odds of exhibiting a response or walking behaviour are approximately doubled from survey intervals with no disturbance event. This suggests that walking may be a more moderate response to disturbance, highlighting a spectrum of potential responses. The modelling approach used in this caribou monitoring program provides information on the duration of caribou responses to disturbances, supporting that more than 87% of caribou will return to baseline behaviours within 9 minutes or less of a single disturbance event, while it may take up to 18 minutes for 83% of caribou to return to baseline following three disturbances. This finding supports the hypothesized effectiveness of consolidating disturbance events (vehicles) into convoys to reduce the overall time caribou may react. Similar analyses focused on convoys at the Meadowbank Mine show returns to baseline behaviours approximately 15 minutes after a convoy of multiple vehicles passed the caribou (ERM 2024a).

The proportion of caribou walking was also linked to disturbances, leading to inclusion in post-hoc models as a response behaviour, which was not possible in previous years due to data sparsity. Both response only and walking, in addition to response models, showed an increased proportion of responses closer to infrastructure. This supports the continued consideration of walking behaviour as a potential response to disturbance for caribou. Pairwise comparisons showed that increased proportions of response behaviours were observed for 25 or less caribou, with no differences between larger groups.

A decrease in response behaviours of caribou was observed further from infrastructure, with statistical model results suggesting a significant shift approximately 300 m from infrastructure such as the AWAR or Mine. This finding aligns with the results of previous annual analyses using categorical distance values and accounts for the incorporation of requests from TAG members to consider distance as a continuous covariate.

All together, these results suggest that small groups of caribou near the road are more likely to have a higher response to disturbance compared to larger groups further from the road. Both the response and walking models demonstrated the same pattern of results, supporting walking as an "intermediate" response behaviour of lesser magnitude than what have historically been considered as response behaviours (alert and running). These results are consistent with other surveys recorded on barren-ground caribou during the post-calving and early summer periods. (Curatolo and Murphy 1986; Johnson and Lawhead 1989; Dyer et al. 2001). From the data collected at Meliadine, behavioural response appears to taper at approximately 300 m from infrastructure. However, zone of influence estimates are highly variable in the literature and this method of data collection is not designed to estimate it. In addition, responses to roads and infrastructure have previously been linked to increased harvest from roadways (Plante et al. 2018; Russell and Gunn 2019), a factor which was not included in these analyses.

7. SUMMARY

The Meliadine Mine caribou behaviour monitoring data from 2025 were combined with data from 2020 to 2024 to determine if caribou activity budgets change with distance from the Mine or AWAR, and to document caribou response to potential disturbances. All results outlined in this report used data from all 6 years, which provided increased opportunity for insight, as compared to a single year analysis. The program and combined data resulted in several key findings:

- Caribou mostly exhibited the non-response behaviours of standing, laying, feeding; and the variable behaviour of walking, which may be considered an intermediate (less severe) response behaviour.
- Observations were well distributed across a range of caribou group sizes from single individuals to groups over 1,000.
- Small groups (<25) tended to have a higher proportion of response behaviours (running, alert) than larger groups, irrespective of disturbances.
- Groups closer to infrastructure exhibit a higher proportion of response behaviours than those further away. This was apparent in both the categorical distance analysis completed in 2023 and the continuous distance analysis completed in 2024 and 2025. Response behaviours were higher within 300 m of infrastructure.
- Caribou were statistically more likely to be walking (a potential response or non-response variable), alert, or running within survey intervals where there was a disturbance (i.e., vehicle traffic). Inclusion of walking as a potential response behaviour may represent a milder response to disturbance events than the other two behaviours, representing a spectrum of possible reactions when disturbed.
- More than 85% of caribou will return to baseline behaviours within 9 minutes or less of a single disturbance event, within 15 minutes of two disturbance events, and within 21 minutes following three separate disturbance events. This finding lends support to the effectiveness of the existing use of convoys to consolidate multiple essential vehicles into a single disturbance event.
- Groups of caribou were observed near the road in equal proportions on both the upstream and downstream sides of the AWAR. Increased response behaviours were observed on the downstream (east) side of the road in 2022 and 2023, but this pattern was not present in all years.
- The proportion of caribou with response behaviours in a group was unrelated to measured environmental variables, including temperature, wind speed, or insect responses.

Analyses summarized above provide support for the hypothesis that caribou tend to respond to disturbances, particularly when they are closer to the infrastructure (the AWAR or Mine site) or when they are in smaller groups. These results also put caribou responses to disturbances in context, with most caribou returning to previous behaviours within 9 minutes. Statistical results suggest that caribou exhibit different reactions based on the number of disturbances experienced, with more disturbances resulting in increased time until caribou return to baseline behaviours. These findings provide information that can be used to implement adaptive management and effective mitigation measures.

8. REFERENCES

Agnico Eagle (Agnico Eagle Mines Limited). 2015. *Agnico Eagle Meliadine Division Final Environmental Impact Statement (FEIS).*

Agnico Eagle. 2025. *Agnico Eagle Meliadine Division Terrestrial Environment Management and Monitoring Plan (TEMMP).*

Boulanger, J., M. Campbell, and D.S. Lee. 2018. *Estimating Abundance and Trend of the Qamanirjuaq Mainland Migratory Barren-Ground Caribou Subpopulation – June 2017.* Technical Report Series – No: 01-2018, Government of Nunavut.

BQCMB (Beverly and Qamanirjuaq Caribou Management Board). 2024. *The Beverly and Qamanirjuaq Caribou Management Plan 2023-2032.* Beverly and Qamanirjuaq Caribou Management Board.

BQCMB. 2025. *Resources: Caribou Resources*. Accessed November 2025. Retrieved from: https://arctic-caribou.com/resources/.

Burnham, K.P., and D.R. Anderson. 2004. "Multimodel Inference: Understanding AIC and BIC in Model Selection." *Sociological Methods & Research* 33: 261–304.

Campbell, M., J. Boulanger, and D.S. Lee. 2024. *Estimating Abundance of the Qamanirjuaq Mainland Migratory Barren-Ground Caribou Subpopulation – June 2022*. Government of Nunavut Department of Environment. NWMB Final Report # 0000000020.

COSEWIC (Committee on the Status of Endangered Wildlife in Canada). 2016. *COSEWIC Assessment and Status Report on the Caribou Rangifer Tarandus, Barren-Ground Population, in Canada.* Ottawa, ON.

Curatolo, J.A., and S.M. Murphy. 1986. "The Effects of Pipelines, Roads, and Traffic on the Movements of Caribou, *Rangifer Tarandus.*" *The Canadian Field-Naturalist* 100 (2): 218–224.

Dyer, S., J. O'Neill, S. Wasel, and S. Boutin. 2001. "Avoidance of Industrial Development by Woodland Caribou." *The Journal of Wildlife Management* 65 (3): 531–542. doi:10.2307/3803106.

ERM (ERM Consultants Canada Ltd.). 2024a. *Meadowbank Gold Mine: Caribou Behaviour Study, 2023.* Prepared for Agnico Eagle Mines Limited. Toronto, ON.

ERM. 2024b. *Meliadine Gold Mine: Caribou Behaviour Study, 2023.* Prepared for Agnico Eagle Mines Limited. Toronto, ON.

ERM. 2024c. *Meliadine Gold Mine: Caribou Camera Study, 2023.* Prepared for Agnico Eagle Mines Limited. Toronto, ON.

GNWT-ENR (Government of Northwest Territories Department of Environment and Natural Resources). 2017. "Caribou Behaviour Monitoring Field Protocols." Government of the Northwest Territories Environment and Natural Resources. Unpublished document. Yellowknife, NT.

Johnson, C.B., and B. E. Lawhead. 1989. *Distribution, Movements, and Behavior of Caribou in the Kuparuk Oilfield, Summer 1988.* Prepared by Alaska Biological Research, Inc. for ARCO Alaska, Inc., and the Kuparuk River Unit. Anchorage, Alaska.

Plante, S., C. Dussault, J.H. Richard, and S. Cote. 2018. "Human Disturbance Effects and Cumulative Habitat Loss in Endangered Migratory Caribou." *Biological Conservation* 224: 129–143.

R Core Team. 2025. *R: A Language and Environment for Statistical Computing*. R Foundation for Statistical Computing. Vienna, Austria. Accessed November 2025. Retrieved from: https://www.R-project.org/.

Russell, D., and A. Gunn. 2019. *Vulnerability Analysis of the Porcupine Caribou Herd to Potential Development of the 1002 Lands in the Arctic National Wildlife Refuge, Alaska.* Report prepared for Environment Yukon, Canadian Wildlife Service, and GNWT ENR Department of Environment and Natural Resources.

APPENDIX A DETAILED METHODS FOR CARIBOU BEHAVIOUR SURVEYS



AGNICO EAGLE

Meadowbank Gold Mine

Caribou Behaviour Monitoring

September 15, 2021

Project No.: 0597635

The business of sustainability

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APPENDIX A MEADOWBANK GOLD MINE: CARIBOU BEHAVIOUR MONITORING DATA SHEET

1. INTRODUCTION

Agnico Eagle Mines Ltd. (Agnico Eagle) would like to determine whether caribou behaviour changes in response to mine activities. The purpose of caribou behaviour surveys is to provide information to characterize the effects of the physical road and mine-related activities on caribou behaviour, including the All Weather Access Road (AWAR) and Haul Road.

The planned monitoring program is designed to collect data on caribou behaviour using standardized, scientifically-defensible methods. The data will be used to monitor Project effects.

1.1 Objectives

Following discussions with the Kivalliq Inuit Association and Government of Nunavut during the spring of 2021, the objectives of the behaviour monitoring program for caribou have been updated to the following:

- Evaluate the baseline behaviour of caribou (behaviour in the absence of disturbance);
- Evaluate the response of caribou to disturbances;
- Compare the behaviour of caribou between the following categories, if there is sufficient data:
    1) in large vs. small groups,
    2) near vs. far from the road,
    3) when the road is open vs. closed,
    4) east vs. west of the road, (upstream and downstream), and
    5) spring migration vs. summer and fall periods.

2. STUDY AREA

The study area for behaviour monitoring is anywhere that caribou may interact with the mine, including the All Weather Access Road (AWAR), the Meadowbank Mine site, Whale Tail site and the Haul Road connecting Meadowbank to Whale Tail.

3. STANDARD OPERATING PROCEDURES

The purpose of caribou behaviour surveys is to provide information to characterize the effects of the physical road and mine-related activities on caribou behaviour, including the All Weather Access Road (AWAR) and Haul Road. The overall method for the surveys is to identify caribou groups visible from the road, to select some groups for observation, and to record the behaviour of individuals in groups of different sizes including their behaviour without any disturbance and responses to both mine-related activities and natural factors.

Notes to guide the work include:

- Systematic surveys will be conducted along all Project roads during spring, summer and fall periods.
- The survey team will consist of a driver/observer and a second observer when available.

Surveys should be performed:

- During spring, summer and fall when caribou may be in the Project area,
- Of caribou at various distances from the road and group sizes, and
- If surveying effects of a convoy, conduct two surveys, one at least an hour before convoy deployment so that a pre-disturbance measurement can be made, and a second survey during the convoy passing by caribou.

3.1 General Field Data

For each survey day, the appropriate general field data will be recorded onto field data sheets supplied in Appendix A and B. A new data sheet will be used for each survey, including additional sheets as necessary to record all observations. General information includes:

- Survey date and start and end times.
- Field personnel (full names on the data sheet header and initials thereafter).
- Weather conditions during and prior to sampling (e.g., snow in the last 24 hours, current wind conditions).
- Site description: provide location and description (GPS coordinates, road name and distance marker).
- Photographs or video (if possible):
    - Take a photo of the caribou every time an observation is recorded so that the observations can be verified by a biologist.
    - For any photographs taken, record the picture IDs in the comments field on the field data sheet.
    - Write descriptions of any photos taken for specific reasons.
- General observations/notes of the environment/sampling procedures.
- Any deviation from the SOPs outlined below.

Note: When in doubt take pictures and make field notes explaining the situation, your response or consequent changes in methods. It is better to have more data/notes than not enough when interpreting the results later on.

3.2 General Equipment List

- A GPS unit with waypoints of road km markings.
- Field data sheets (Appendix A and B), clipboard, pencils, or iPad with data form.
- A timer capable of alarm setting for repeat time intervals (i.e., can be set to go off every three minutes, like a smart phone).
- Binoculars or spotting scope.
- Compass (or use compass function on GPS unit).
- Portable weather station (temperature and wind speed).
- Camera.
- Rangefinder.

3.3 Field Methods

3.3.1 Group Selection

The survey day will begin with a reconnaissance survey to determine how many caribou groups are present near the road, how large they are, and where they are. This will be accomplished by driving from the mine site along the road and noting relevant information about the groups and their sizes along the way (using the standard, tablet-based road survey form). Observers will preferentially choose groups to survey to across group sizes and distances from the road. Ideally, caribou would be sampled in an even distribution across these variables and along the AWAR and Haul Road. However, the nature of caribou and field sampling mean that observers may need to survey what caribou are available, rather than what is "ideal".

Allow approximately one hour to survey each group. If the length of the survey day permits all groups to be surveyed then they should all be surveyed. If there are more groups to survey than the time in the day, then do the following:

1. Look at how many of each group size (bullet list below) have been surveyed to date. If one of them is under-represented and there is a group of that size on the road, then go survey that group. If there is more than one group of that size, choose it randomly using the procedure in step 4.
    - 1 or 2 caribou
    - 3 to 25 caribou
    - 26 to 50 caribou
    - >50 caribou
2. During 2020, few groups of caribou within 300 m of the road were observed or sampled. Preferentially choose groups of caribou within 300 m of the road, with a soft target of approximately 1/3 of samples in this area.
3. If any Project-tolerant caribou are observed (e.g., caribou observed near the road or mine site for more than 72 hours in summer and 48 hours in other seasons; TEMP 2020), then select these animals for sampling. In Appendix A data sheet, record that the group is Project tolerant in the notes field.
4. If there are multiple groups available, choose groups to fill in an even distribution of group sizes and distances from roads.

Record all caribou groups observed during the reconnaissance survey in the standard, tablet-based survey form and submit that data along with the results of behaviour monitoring.

3.3.2 Selection of an Observation Site

Find a safe parking location and follow site safety protocols. The observation location may be the vehicle itself or a safe location off the road. If observers exit the vehicle, the observation location should be chosen where observer activity is not likely to influence caribou behaviour and where the observer can remain comfortable for a period of approximately 45 minutes without needing to move. Ideally, the vehicle should be stopped a minimum of ~250-300 m from the caribou – adapt this distance as needed. If the animals are staring at the truck or moving away, then the truck is too close.

3.3.3 Data Recording

Allow 15 minutes between arrival and the time at which behavioural observations begin. This is to allow animals to return to behaviour that may have been interrupted by the arrival of observers. In the time before recording behaviour, fill in the top portion of the form with location, weather, and group size information.

After 15 minutes, begin recording data in the form in Appendix A. The start time to record is the time that observations begin.

3.3.3.1 Location

Location: Collect a waypoint of the location from which the observations will be made. Note the waypoint number and the UTM coordinates on the data sheet.

Road Condition: If observing caribou on a road, record whether the AWAR or Haul Road are open or closed.

Distance: Estimate the distance to the group using a laser rangefinder and, using a compass or the GPS unit compass feature, record the bearing (0° to 360°) to the group being observed. If the group of caribou is large and spread over a considerable distance from the road, estimate the distance to nearby caribou and the caribou furthest away that will be sampled. If some caribou in the group are too far away to sample, then do not include them in the distance estimate.

Behaviour: At each time interval during the survey, observers should record the number of individuals in the group exhibiting behaviour in each category. For clarity, observers should record zero values for behaviours not observed.

East vs. West: Note if the group is on the east or west side of the road. At the end of the 30 minute observation period return to the top of the form and record (Y or N) if the group crossed the road during the survey period. If monitoring at the mine site or Whale Tail, leave this section blank.

Sex: Note the sex of the group. This can be difficult in large groups, so record in the following categories: mostly males, mostly females, mostly females with calves, juveniles, or mixed group.

3.3.3.2 Weather Conditions

Use the portable weather station to record:

- Air temperature;
- Wind speed;
- Wind direction;
- Precipitation; and
- Humidity (if the weather station has this function).

3.3.3.3 Road Structure

At the location of the caribou group, record the road characteristics:

- Height of the road above the tundra (m);
- Slope of the road side (with of the slope in m);
- Approximate height of snow bank (m); and
- Any structures, such as bridges, present.

3.3.3.4 Caribou Behaviour

Individuals in the group being observed will be categorized when the survey starts and at three minute intervals. Standardized behaviour categories will be used (Section 3.3.4). The standardization of behaviour is necessary for clarity and data analysis. If the observed behaviour does not fit within any of the categories then observers have the option of noting other behaviour in the comments field. However, this should be used only rarely as most behaviour should fit in the primary categories listed below.
If noting a new/different behaviour, please take a photo or video of the caribou.

The data to record at each three-minute interval are the numbers of individuals in the group exhibiting each behaviour at that time. Do not attempt to characterize the behaviour that occurred during the interval. If the group is too large to be counted in each interval, choose an identifiable subset of the group, count the individuals exhibiting each behaviour at each time interval, and add a comment that a subset of the group was sampled.

Indicate the total group size at the top of the data form, not the size of the subset whose behaviour was recorded. Count the number of caribou up to 100 animals, and then record group size in categories above 100; 100-200 animals, etc. (see Appendix A).

Practically, the easiest way to do this is to have the observer scan across the group of caribou from Left to Right, calling out the behaviour of each animal, while the recorder adds tick marks to the data sheet. When complete, count up the tick marks.

3.3.3.5 Disturbance Events

Caribou behaviour is expected to vary in response to some disturbance events. The bottom of the data form should be used to record any potential disturbance events evident to the observer regardless of whether caribou respond to them. The main categories of events are included in the data sheet:

- Light truck;
- Haul truck;
- Road maintenance vehicle (e.g., grader);
- ATV or skidoo;
- Aircraft; and
- Predator (note species).

Record the number and approximate speed of the vehicle (regular driving speed, or moving slowly, ~10 km/h, past caribou).

Record the time of the disturbance event (0:00 to 30:00 of the survey), indicate which type of disturbance was observed in the appropriate column. Record any additional comments and records of photographs taken in the final column.

Record whether the vehicle stopped when approaching caribou or continued to drive slowly. If possible, coordinate with passing vehicles on the road to have some vehicles stop for 10 minutes, and others drive by slowly.

3.3.4 Behaviour Classification

With the exception of Alert behaviour, the primary behaviour categories and their definitions follow classifications from the Government of Northwest Territories (GNWT 2017). The categories appear as columns on the data form, with descriptions on the form. The behaviour categories are:

- **Feeding –** standing or walking posture, with the muzzle touching or nearly touching the ground; can be ingesting food or not; head down or moving from side to side.
- **Lying down –** bedded on the ground, either upright or lying on its side, in a resting or ruminating position.
- **Standing –** stationary in an upright, standing posture with head elevated above the ground, and usually above the knees; if cow is nursing, if possible record the time spend nursing.
- **Alert –** head up scanning horizon or focused on a source of disturbance (e.g., vehicle, predator, human).
- **Walking –** similar to standing posture but moving at a slow gait (<5 km/h).
- **Trotting/running –** similar to standing posture but moving rapidly in symmetrical or asymmetrical gait.

Other behaviours that may be observed (record in comments field on form) are:

- **Nursing –** calf is suckling cow.
- **Sparring –** two males in contact.
- **Insect response behavior –** twitching, stamping, tossing head.

In the comments, record if any animals are moving towards the road, parallel or away from the road.

4. DATA MANAGEMENT

Please scan all data sheets at the end of the day. Data from behaviour surveys should be entered into Excel. Data from group selection surveys (standard tablet data form) and behaviour surveys should be delivered at the end of each month to ERM for QA/QC.

5. CLOSURE

This SOP has been produced for Agnico Eagle Meadowbank Division by ERM Canada. Please contact the authors with any questions.

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6. REFERENCES

GNWT-ENR. 2017. *Caribou behaviour monitoring field protocols.* Government of the Northwest Territories Environment and Natural Resources, 10 page unpublished document. Yellowknife, NT.

TEMP. 2020. Meadowbank Division. *Terrestrial Ecosystem Management Plan.* Version 8, April 2020.

APPENDIX A MEADOWBANK GOLD MINE: CARIBOU BEHAVIOUR MONITORING DATA SHEET

Meadowbank Gold Mine: Caribou Behaviour Monitoring Data Sheet

Date:	Time (24 hr [00:00 to 24:00]) Start:		End:
Observers:			
Location Waypoint number:	UTM Easting:	UTM Northing:	Road name and distance marker:
Distance from caribou to observer location (use rangefinder).		(if group diffuse, estimate average distance)	Bearing:
Is group location East or West of the Road at start of survey? Circle one: **E W**		Did the group cross the road during the survey? Circle one: **Y N**	
Caribou group size: Exact count (up to 100): _____ Estimated size for larger groups. Circle one: **101-200 201-500 501-1000 >1000**			
Record sex of group (mostly males, females, females with calves, mostly juveniles, or mixed group):			
Temperature: ___°C Wind speed: _____km/h Wind direction:_____° Humidity:_____% Days since last snow or wind event: _____			
Weather observations:			
Road: Open? Closed? Road Height:	Road Side Width:	Structures/snowbank Present:	

Observation time from start of survey	Number of animals exhibiting each behaviour type						Comments and photo numbers (Note if any caribou crossed road or travelled along road)
	Feeding	Lying Down	Standing	Walking	Alert	Trotting or running	
0 minutes							
3 minutes							
6 minutes							
9 minutes							
12 minutes							
15 minutes							
18 minutes							
21 minutes							
24 minutes							
27 minutes							
30 minutes							

Observed disturbance events

(record time from start of survey and check type of disturbance. Record whether vehicle stopped (s) or drove slowly (d) past caribou)

Time from start of survey	Light truck	Haul Truck	Road maintenance vehicle (e.g., grader)	ATV	Aircraft	Predator (note species)	Comments and photo numbers. Note other disturbances here

Categories and Definitions of Behaviour[1]:

- **Feeding –** standing or walking posture, with the muzzle touching or nearly touching the ground; can be ingesting food or not; head down or moving from side to side.
- **Lying down –** bedded on the ground, either upright or lying on its side, in a resting or ruminating position.
- **Standing –** stationary in an upright, standing posture with head elevated above the ground, and usually above the knees; if cow is nursing, if possible record the time spend nursing.
- **Alert –** head up scanning horizon or focused on a source of disturbance (e.g., vehicle, predator, human).
- **Walking –** similar to standing posture but moving at a slow gait (<5 km/h).
- **Trotting/running –** similar to standing posture but moving rapidly in symmetrical or asymmetrical gait.

Other behaviours that may be observed (record in comments field on form) are:

- **Nursing –** calf is suckling cow.
- **Sparring –** two males in contact.
- **Insect response behavior –** twitching, stamping, tossing head.

[1] Primary source: GNWT-ENR 2017 caribou behaviour monitoring field protocols, courtesy of GNWT Yellowknife, NT.

APPENDIX B DATA FROM CARIBOU BEHAVIOUR SURVEYS

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	UTM Easting	UTM Northing	Distance from Caribou to Observer Location (m)	Distance from Caribou to Infrastructure (m)	Bearing to Group (°)	Group East or West	Group Crossed Road	Group Size	Temperature (°C)
6/26/2025	AWAR KM 15	547896	6976592	1,000	1,000	80	East	No	50-100	18
6/27/2025	AWAR KM 7	544309	6971034	100	100	40	East	Yes	7	9
6/21/2025	Mine Site KM WRSF3	540982	6988929	2,500	2,500	78	East	No	501-1,000	10
6/22/2025	Mine Site KM WRSF3	540986	6988930	2,000	2,000	95	East	No	22	12
6/25/2025	Mine Site KM Weather Station	539223	6990439	3,800	3,800	30	East	No	201-500	10
6/19/2024	AWAR KM 25	542629	6984401	325	325	290	West	Yes	3	10
6/20/2024	Mine Site KM Pump Road	540759	6985946	5	5	355	West	No	3	12
6/21/2024	AWAR KM 24	543596	6983970	296	296	195	West	No	2	8
6/22/2024	AWAR KM 27	543596	6985903	34	34	350	West	No	2	14
6/23/2024	Mine Site KM Explo	541507	6988481	30	30	190	East	No	2	2
6/23/2024	AWAR KM 19	546170	6979864	275	275	98	East	No	>1,000	8
6/24/2024	AWAR KM 27	540744	6985955	1,100	1,100	255	West	No	15	10
6/25/2024	AWAR KM 19	546179	6980191	250	250	22	East	No	1	11
6/29/2024	AWAR KM 22	544362	6982266	200	200	300	West	No	1	8
6/29/2024	AWAR KM 28	541488	6987067	300	300	150	East	No	2	15
6/29/2024	AWAR KM 15	547444	6977178	200	200	20	West	Yes	6	18
6/30/2024	AWAR KM 25	543080	6984427	1,000	1,000	200	West	No	8	15
6/30/2024	AWAR KM 23	543921	6983007	1,000	1,000	170	East	No	10	15
7/1/2024	AWAR KM 20	545536	6980711	800	800	260	West	No	3	13
7/2/2024	AWAR KM 8	544435	6971496	400	400	20	West	Yes	1	14
7/3/2024	AWAR KM 14	547885	6976561	800	800	45	East	No	3	13
7/3/2024	AWAR KM 15	547473	6977202	500	500	270	West	No	1	13
6/17/2023	AWAR 27	540996	6986104	100-300	NA	235	West	No	4	8
6/17/2023	AWAR 27	540999	6985761	100-300	NA	NA	West	No	4	8
7/17/2023	AWAR 19	546172	6979871	300-1,000	NA	NA	West	No	2,000+	10
6/17/2023	AWAR 25	542936	6984430	300-1,000	0	NA	West	Yes	50-100	11
6/17/2023	AWAR 23	543914	6983012	10-300	NA	NA	NA	No	18	8
6/18/2023	AWAR 30	541417	6987855	300-1,000	NA	NA	East	No	3	14
6/18/2023	AWAR 28	540982	6986068	300-1,000	NA	NA	West	No	9	15
6/19/2023	AWAR Esker KM 27	540679	6985948	0-50	NA	90	West	No	6	7
6/19/2023	AWAR Esker KM 27	540674	6985953	NA	NA	315	West	No	3	7
6/19/2023	AWAR Esker KM 27	540738	6985955	51-100	NA	NA	West	No	6	7
6/19/2023	AWAR 27	540905	6985896	100-300	NA	180	West	No	8	9
6/19/2023	AWAR 26	541429	6985458	NA	0	NA	East/West	Yes	50-100	9
6/19/2023	AWAR 25	541420	6985458	1,000	0	270	West	Yes	50-100	11
6/20/2023	AWAR 30	538997	6989402	51-100	0	90	West	Yes	6	7
6/20/2023	AWAR 28	541481	6987076	100-300	0	90	East/West	Yes	201-500	6
6/20/2023	AWAR 28	541213	6986826	300-1,000	NA	NA	West	No	11	6
6/21/2023	AWAR 27	540709	6985933	1,000	NA	90	West	No	201-500	14

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Wind Speed (km/h)	Wind Direction (°)	Road Height (cm)	Road Width (cm)	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)
6/26/2025	AWAR KM 15	4	220	100	200	5	25	0	0	0	0
6/27/2025	AWAR KM 7	5	240	80	100	0	0	0	7	0	0
6/21/2025	Mine Site KM WRSF3	8	165	0	0	18	2	0	0	0	0
6/22/2025	Mine Site KM WRSF3	25	195	0	0	22	0	0	0	0	0
6/25/2025	Mine Site KM Weather Station	6	255	0	0	23	0	0	7	0	0
6/19/2024	AWAR KM 25	15	285	100	300	2	0	0	1	0	0
6/20/2024	Mine Site KM Pump Road	11	320	100	150	3	0	0	0	0	0
6/21/2024	AWAR KM 24	15	260	200	250	0	0	0	0	2	0
6/22/2024	AWAR KM 27	16	265	150	250	2	0	0	0	0	0
6/23/2024	Mine Site KM Explo	10	345	30	100	2	0	0	0	0	0
6/23/2024	AWAR KM 19	10	290	120	150	0	0	0	2	0	0
6/24/2024	AWAR KM 27	12	295	100	200	12	0	0	0	0	0
6/25/2024	AWAR KM 19	11	195	100	250	0	0	0	0	0	1
6/29/2024	AWAR KM 22	10	90	100	500	0	0	0	1	0	0
6/29/2024	AWAR KM 28	15	30	150	500	2	0	0	0	0	0
6/29/2024	AWAR KM 15	5	90	100	500	0	0	0	0	0	6
6/30/2024	AWAR KM 25	5	90	100	500	0	0	0	8	0	0
6/30/2024	AWAR KM 23	5	90	100	500	0	0	0	10	0	0
7/1/2024	AWAR KM 20	5	20	100	600	0	0	0	3	0	0
7/2/2024	AWAR KM 8	10	30	100	400	0	0	0	0	0	1
7/3/2024	AWAR KM 14	35	150	100	400	0	0	0	3	0	0
7/3/2024	AWAR KM 15	30	150	100	500	1	0	0	0	0	0
6/17/2023	AWAR 27	24	312	NA	NA	4	0	0	0	0	0
6/17/2023	AWAR 27	24	312	NA	NA	3	0	0	1	0	0
7/17/2023	AWAR 19	20	300	NA	NA	10	0	1	0	0	0
6/17/2023	AWAR 25	14	224	NA	NA	40	5	0	5	0	0
6/17/2023	AWAR 23	16	206	NA	NA	11	7	0	0	0	0
6/18/2023	AWAR 30	17	42	NA	NA	3	0	0	0	0	0
6/18/2023	AWAR 28	20	13	NA	NA	2	7	0	0	0	0
6/19/2023	AWAR Esker KM 27	26	344	NA	NA	3	0	0	3	0	0
6/19/2023	AWAR Esker KM 27	27	337	NA	NA	3	0	0	0	0	0
6/19/2023	AWAR Esker KM 27	27	341	NA	NA	5	2	0	1	0	0
6/19/2023	AWAR 27	26	345	NA	NA	2	5	0	0	0	0
6/19/2023	AWAR 26	26	345	NA	NA	49	1	0	0	0	0
6/19/2023	AWAR 25	26	345	NA	NA	40	10	0	0	0	0
6/20/2023	AWAR 30	8	130	NA	NA	6	0	0	0	0	0
6/20/2023	AWAR 28	9	164	NA	NA	20	10	0	0	0	0
6/20/2023	AWAR 28	5	99	NA	NA	3	8	0	0	0	0
6/21/2023	AWAR 27	13	220	NA	NA	23	5	0	2	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)	Comments (3 Minutes)
6/26/2025	AWAR KM 15	Seemingly undisturbed by convoy travelling ~20 km/hr	6	24	0	0	0	0	NA
6/27/2025	AWAR KM 7	NA	0	0	0	0	0	7	NA
6/21/2025	Mine Site KM WRSF3	NA	14	4	0	2	0	0	NA
6/22/2025	Mine Site KM WRSF3	NA	20	0	2	0	0	0	NA
6/25/2025	Mine Site KM Weather Station	NA	2	0	3	25	0	0	NA
6/19/2024	AWAR KM 25	NA	0	0	0	0	0	3	Crossing the road
6/20/2024	Mine Site KM Pump Road	NA	3	0	0	0	0	0	NA
6/21/2024	AWAR KM 24	NA	0	0	0	0	0	2	NA
6/22/2024	AWAR KM 27	NA	0	0	0	2	0	0	NA
6/23/2024	Mine Site KM Explo	NA	2	0	0	0	0	0	NA
6/23/2024	AWAR KM 19	NA	1	0	0	1	0	0	NA
6/24/2024	AWAR KM 27	NA	9	0	0	3	0	0	NA
6/25/2024	AWAR KM 19	NA	1	0	0	0	0	0	NA
6/29/2024	AWAR KM 22	NA	0	0	0	1	0	0	NA
6/29/2024	AWAR KM 28	NA	2	0	0	0	0	0	NA
6/29/2024	AWAR KM 15	NA	0	0	0	6	0	0	NA
6/30/2024	AWAR KM 25	NA	0	0	0	4	0	0	NA
6/30/2024	AWAR KM 23	NA	0	0	0	10	0	0	NA
7/1/2024	AWAR KM 20	NA	0	0	0	0	0	0	Dipped behind the hill out of sight
7/2/2024	AWAR KM 8	NA	0	0	0	0	0	1	NA
7/3/2024	AWAR KM 14	NA	0	0	0	3	0	0	NA
7/3/2024	AWAR KM 15	NA	0	0	1	0	0	0	NA
6/17/2023	AWAR 27	NA	2	0	0	0	0	0	NA
6/17/2023	AWAR 27	NA	1	0	0	3	0	0	NA
7/17/2023	AWAR 19	NA	11	0	0	0	0	0	NA
6/17/2023	AWAR 25	NA	45	0	0	5	0	0	NA
6/17/2023	AWAR 23	NA	8	10	0	0	0	0	NA
6/18/2023	AWAR 30	NA	2	0	0	1	0	0	NA
6/18/2023	AWAR 28	NA	2	7	0	0	0	0	NA
6/19/2023	AWAR Esker KM 27	NA	3	0	0	3	0	0	NA
6/19/2023	AWAR Esker KM 27	NA	2	0	0	1	0	0	NA
6/19/2023	AWAR Esker KM 27	The one walking across the road	4	3	0	0	0	0	Lost the one that crossed
6/19/2023	AWAR 27	NA	0	0	0	7	0	0	NA
6/19/2023	AWAR 26	NA	47	0	0	3	0	0	Crossing the road back and forth
6/19/2023	AWAR 25	NA	25	25	0	0	0	0	NA
6/20/2023	AWAR 30	Cross AWAR West to East	6	0	0	0	0	0	NA
6/20/2023	AWAR 28	They are on both sides of AWAR; mostly East	24	6	0	0	0	0	NA
6/20/2023	AWAR 28	NA	0	11	0	0	0	0	NA
6/21/2023	AWAR 27	NA	24	0	0	6	0	0	Starting to move

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Comments (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)
6/26/2025	AWAR KM 15	8	21	0	1	0	0	NA	6	24	0	0
6/27/2025	AWAR KM 7	0	0	0	7	0	0	Crossed the road	0	0	0	0
6/21/2025	Mine Site KM WRSF3	10	8	2	0	0	0	NA	10	10	0	0
6/22/2025	Mine Site KM WRSF3	21	0	0	1	0	0	NA	20	2	0	0
6/25/2025	Mine Site KM Weather Station	22	0	0	8	0	0	NA	27	0	0	3
6/19/2024	AWAR KM 25	0	0	0	0	0	3	NA	0	0	0	0
6/20/2024	Mine Site KM Pump Road	1	0	0	2	0	0	NA	3	0	0	0
6/21/2024	AWAR KM 24	2	0	0	0	0	0	NA	0	0	0	2
6/22/2024	AWAR KM 27	1	0	0	0	1	0	NA	0	2	0	0
6/23/2024	Mine Site KM Explo	0	0	0	1	1	0	NA	1	0	0	0
6/23/2024	AWAR KM 19	0	0	0	0	2	0	NA	0	0	0	0
6/24/2024	AWAR KM 27	12	0	0	0	0	0	NA	11	0	0	1
6/25/2024	AWAR KM 19	0	0	0	0	0	1	NA	0	0	0	1
6/29/2024	AWAR KM 22	0	0	0	0	1	0	NA	1	0	0	0
6/29/2024	AWAR KM 28	2	0	0	0	0	0	NA	2	0	0	0
6/29/2024	AWAR KM 15	0	0	0	0	0	6	NA	0	0	0	0
6/30/2024	AWAR KM 25	0	0	0	0	0	0	Travelled behind the hill out of sight	0	0	0	0
6/30/2024	AWAR KM 23	0	0	4	2	0	0	NA	0	0	0	0
7/1/2024	AWAR KM 20	0	0	0	1	0	0	Hidden in a rocky area	0	0	0	0
7/2/2024	AWAR KM 8	0	0	0	0	0	1	NA	0	0	0	1
7/3/2024	AWAR KM 14	1	0	0	2	0	0	NA	1	0	0	2
7/3/2024	AWAR KM 15	0	0	0	1	0	0	Walking by a cabin	0	0	0	1
6/17/2023	AWAR 27	0	0	0	2	0	0	180 m away from observers	0	0	0	0
6/17/2023	AWAR 27	3	0	0	1	0	0	NA	2	1	0	1
7/17/2023	AWAR 19	11	0	0	0	0	0	NA	11	0	0	0
6/17/2023	AWAR 25	45	5	0	0	0	0	NA	48	0	0	0
6/17/2023	AWAR 23	8	10	0	0	0	0	NA	7	11	0	0
6/18/2023	AWAR 30	2	0	0	1	0	0	NA	3	0	0	0
6/18/2023	AWAR 28	3	6	0	0	0	0	NA	3	6	0	0
6/19/2023	AWAR Esker KM 27	6	0	0	0	0	0	NA	6	0	0	0
6/19/2023	AWAR Esker KM 27	3	0	0	0	0	0	NA	3	0	0	0
6/19/2023	AWAR Esker KM 27	3	4	0	2	0	0	Gained 1 more	5	4	0	0
6/19/2023	AWAR 27	10	0	0	1	0	0	Gained 4 more	11	0	0	0
6/19/2023	AWAR 26	47	0	0	3	0	0	NA	50	0	0	0
6/19/2023	AWAR 25	25	25	0	0	0	0	NA	20	30	0	0
6/20/2023	AWAR 30	6	0	0	0	0	0	NA	6	0	0	0
6/20/2023	AWAR 28	20	5	0	5	0	0	More crossed on East side	21	5	0	4
6/20/2023	AWAR 28	0	11	0	0	0	0	NA	0	11	0	0
6/21/2023	AWAR 27	24	0	0	6	0	0	NA	23	0	0	6

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (9 Minutes)	Trotting (9 Minutes)	Comments (9 Minutes)	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)
6/26/2025	AWAR KM 15	0	0	NA	6	24	0	0	0	0
6/27/2025	AWAR KM 7	0	7	NA	0	0	0	7	0	0
6/21/2025	Mine Site KM WRSF3	0	0	NA	20	0	0	0	0	0
6/22/2025	Mine Site KM WRSF3	0	0	NA	18	1	1	1	0	0
6/25/2025	Mine Site KM Weather Station	0	0	NA	26	0	0	4	0	0
6/19/2024	AWAR KM 25	0	3	NA	0	0	0	0	0	3
6/20/2024	Mine Site KM Pump Road	0	0	NA	3	0	0	0	0	0
6/21/2024	AWAR KM 24	0	0	NA	1	0	0	1	0	0
6/22/2024	AWAR KM 27	0	0	NA	0	2	0	0	0	0
6/23/2024	Mine Site KM Explo	1	0	NA	1	0	0	1	0	0
6/23/2024	AWAR KM 19	0	2	NA	0	0	0	2	0	0
6/24/2024	AWAR KM 27	0	0	NA	7	2	1	2	0	0
6/25/2024	AWAR KM 19	0	0	NA	1	0	0	0	0	0
6/29/2024	AWAR KM 22	0	0	NA	0	0	0	0	0	0
6/29/2024	AWAR KM 28	0	0	NA	2	0	0	0	0	0
6/29/2024	AWAR KM 15	0	6	Running from hunter on ATV	0	0	0	0	0	0
6/30/2024	AWAR KM 25	0	0	NA	0	0	0	0	0	0
6/30/2024	AWAR KM 23	0	0	NA	0	0	0	0	0	0
7/1/2024	AWAR KM 20	0	0	Continue to travel behind the hill out of sight; finished survey here	0	0	0	0	0	0
7/2/2024	AWAR KM 8	0	0	Crossing the river	0	0	0	1	0	0
7/3/2024	AWAR KM 14	0	0	NA	0	0	0	0	0	0
7/3/2024	AWAR KM 15	0	0	NA	0	0	0	1	0	0
6/17/2023	AWAR 27	0	0	Out of sight	NA	NA	NA	NA	NA	NA
6/17/2023	AWAR 27	0	0	NA	2	2	0	0	0	0
7/17/2023	AWAR 19	0	0	NA	10	1	0	0	0	0
6/17/2023	AWAR 25	0	2	NA	48	2	0	0	0	0
6/17/2023	AWAR 23	0	0	NA	5	13	0	0	0	0
6/18/2023	AWAR 30	0	0	NA	3	0	0	0	0	0
6/18/2023	AWAR 28	0	0	NA	3	6	0	0	0	0
6/19/2023	AWAR Esker KM 27	0	0	NA	6	0	0	0	0	0
6/19/2023	AWAR Esker KM 27	0	0	NA	1	0	0	0	0	0
6/19/2023	AWAR Esker KM 27	0	0	NA	5	4	0	0	0	0
6/19/2023	AWAR 27	0	0	NA	6	0	0	0	0	0
6/19/2023	AWAR 26	0	0	NA	50	0	0	0	0	0
6/19/2023	AWAR 25	0	0	NA	33	0	0	15	2	0
6/20/2023	AWAR 30	0	0	NA	4	0	0	1	1	0
6/20/2023	AWAR 28	0	0	NA	24	3	0	3	0	0
6/20/2023	AWAR 28	0	0	NA	0	11	0	0	0	0
6/21/2023	AWAR 27	0	1	NA	12	0	0	18	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)	Trotting (15 Minutes)
6/26/2025	AWAR KM 15	NA	6	24	0	0	0	0
6/27/2025	AWAR KM 7	NA	0	0	0	0	0	7
6/21/2025	Mine Site KM WRSF3	NA	17	0	0	3	0	0
6/22/2025	Mine Site KM WRSF3	NA	22	0	0	0	0	0
6/25/2025	Mine Site KM Weather Station	NA	30	0	0	0	0	0
6/19/2024	AWAR KM 25	NA	2	0	0	1	0	0
6/20/2024	Mine Site KM Pump Road	NA	3	0	0	0	0	0
6/21/2024	AWAR KM 24	NA	0	0	0	1	1	0
6/22/2024	AWAR KM 27	Sleeping	0	2	0	0	0	0
6/23/2024	Mine Site KM Explo	NA	2	0	0	0	0	0
6/23/2024	AWAR KM 19	NA	1	0	0	1	0	0
6/24/2024	AWAR KM 27	NA	10	0	0	2	0	0
6/25/2024	AWAR KM 19	NA	1	0	0	1	0	0
6/29/2024	AWAR KM 22	Caribou dipped behind the hill; out of sight	0	0	0	1	0	0
6/29/2024	AWAR KM 28	NA	2	0	0	0	0	0
6/29/2024	AWAR KM 15	NA	0	0	0	0	0	0
6/30/2024	AWAR KM 25	NA	0	0	0	0	0	0
6/30/2024	AWAR KM 23	NA	0	0	0	0	0	0
7/1/2024	AWAR KM 20	NA	0	0	0	0	0	0
7/2/2024	AWAR KM 8	NA	0	0	0	1	0	0
7/3/2024	AWAR KM 14	Travelled behind the hill; out of sight	0	0	0	0	0	0
7/3/2024	AWAR KM 15	NA	1	0	0	0	0	0
6/17/2023	AWAR 27	NA	NA	NA	NA	NA	NA	NA
6/17/2023	AWAR 27	NA	1	3	0	0	0	0
7/17/2023	AWAR 19	NA	9	2	0	0	0	0
6/17/2023	AWAR 25	NA	48	2	0	0	0	0
6/17/2023	AWAR 23	NA	3	15	0	0	0	0
6/18/2023	AWAR 30	NA	3	0	0	0	0	0
6/18/2023	AWAR 28	NA	2	7	0	0	0	0
6/19/2023	AWAR Esker KM 27	NA	6	0	0	0	0	0
6/19/2023	AWAR Esker KM 27	Lost 2 behind the hill	3	0	0	0	0	0
6/19/2023	AWAR Esker KM 27	NA	4	5	0	0	0	0
6/19/2023	AWAR 27	Lost 4 behind the hill	0	0	0	7	0	0
6/19/2023	AWAR 26	NA	50	0	0	0	0	0
6/19/2023	AWAR 25	NA	0	0	0	0	0	50
6/20/2023	AWAR 30	NA	6	0	0	0	0	0
6/20/2023	AWAR 28	NA	23	5	0	0	0	2
6/20/2023	AWAR 28	NA	0	11	0	0	0	0
6/21/2023	AWAR 27	NA	12	0	0	18	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Comments (18 Minutes)
6/26/2025	AWAR KM 15	NA	10	20	0	0	0	0	NA
6/27/2025	AWAR KM 7	NA	2	0	0	5	0	0	NA
6/21/2025	Mine Site KM WRSF3	No insects	17	3	0	0	0	0	Started lightly raining
6/22/2025	Mine Site KM WRSF3	No insect response	17	0	0	5	0	0	NA
6/25/2025	Mine Site KM Weather Station	NA	25	0	0	5	0	0	NA
6/19/2024	AWAR KM 25	NA	0	0	0	0	3	0	NA
6/20/2024	Mine Site KM Pump Road	NA	3	0	0	0	0	0	NA
6/21/2024	AWAR KM 24	NA	0	0	0	0	0	0	Out of sight
6/22/2024	AWAR KM 27	NA	0	0	0	0	2	0	NA
6/23/2024	Mine Site KM Explo	NA	2	0	0	0	0	0	NA
6/23/2024	AWAR KM 19	NA	1	0	0	1	0	0	NA
6/24/2024	AWAR KM 27	NA	12	0	0	3	0	0	More appearing from behind the hill
6/25/2024	AWAR KM 19	NA	0	0	0	1	0	0	NA
6/29/2024	AWAR KM 22	NA	1	0	0	0	0	0	NA
6/29/2024	AWAR KM 28	NA	2	0	0	0	0	0	NA
6/29/2024	AWAR KM 15	NA	0	0	0	0	0	0	NA
6/30/2024	AWAR KM 25	NA	0	0	0	0	0	0	NA
6/30/2024	AWAR KM 23	NA	0	0	0	0	0	0	NA
7/1/2024	AWAR KM 20	NA	0	0	0	0	0	0	NA
7/2/2024	AWAR KM 8	NA	0	0	0	1	0	0	NA
7/3/2024	AWAR KM 14	Out of sight	0	0	0	0	0	0	NA
7/3/2024	AWAR KM 15	NA	1	0	0	0	0	0	NA
6/17/2023	AWAR 27	NA	NA	NA	NA	NA	NA	NA	NA
6/17/2023	AWAR 27	NA	0	4	0	0	0	0	200 m away from observer
7/17/2023	AWAR 19	NA	9	2	0	0	0	0	NA
6/17/2023	AWAR 25	NA	48	0	0	2	0	0	NA
6/17/2023	AWAR 23	NA	5	13	0	0	0	0	NA
6/18/2023	AWAR 30	NA	3	0	0	0	0	0	NA
6/18/2023	AWAR 28	NA	2	7	0	0	0	0	NA
6/19/2023	AWAR Esker KM 27	NA	6	0	0	0	0	0	NA
6/19/2023	AWAR Esker KM 27	NA	3	0	0	0	0	0	NA
6/19/2023	AWAR Esker KM 27	NA	3	6	0	0	0	0	NA
6/19/2023	AWAR 27	All went behind the hill	NA	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR 26	NA	48	0	0	2	0	0	NA
6/19/2023	AWAR 25	Most were alert and started to run	10	0	0	0	0	0	90% are gone
6/20/2023	AWAR 30	NA	6	0	0	0	0	0	NA
6/20/2023	AWAR 28	NA	24	6	0	0	0	0	NA
6/20/2023	AWAR 28	NA	0	11	0	0	0	0	NA
6/21/2023	AWAR 27	NA	14	0	0	16	0	0	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)	Alert (21 Minutes)	Trotting (21 Minutes)	Comments (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)
6/26/2025	AWAR KM 15	11	19	0	0	0	0	NA	8	22
6/27/2025	AWAR KM 7	0	0	0	7	0	0	Walked behind the hill out of sight	0	0
6/21/2025	Mine Site KM WRSF3	20	0	0	0	0	0	NA	20	0
6/22/2025	Mine Site KM WRSF3	12	0	0	10	0	0	NA	4	3
6/25/2025	Mine Site KM Weather Station	20	0	0	9	0	1	NA	23	0
6/19/2024	AWAR KM 25	2	0	0	1	0	0	NA	3	0
6/20/2024	Mine Site KM Pump Road	3	0	0	0	0	0	NA	3	0
6/21/2024	AWAR KM 24	0	0	0	0	0	0	Out of sight	0	0
6/22/2024	AWAR KM 27	0	2	0	0	0	0	NA	0	2
6/23/2024	Mine Site KM Explo	2	0	0	0	0	0	NA	0	0
6/23/2024	AWAR KM 19	0	0	0	1	0	1	NA	0	0
6/24/2024	AWAR KM 27	10	2	0	3	0	0	NA	12	0
6/25/2024	AWAR KM 19	1	0	0	0	0	0	NA	1	0
6/29/2024	AWAR KM 22	0	0	0	1	0	0	NA	1	0
6/29/2024	AWAR KM 28	2	0	0	0	0	0	NA	2	0
6/29/2024	AWAR KM 15	0	0	0	0	0	0	NA	0	0
6/30/2024	AWAR KM 25	0	0	0	0	0	0	NA	0	0
6/30/2024	AWAR KM 23	0	0	0	0	0	0	NA	0	0
7/1/2024	AWAR KM 20	0	0	0	0	0	0	NA	0	0
7/2/2024	AWAR KM 8	0	0	0	1	0	0	NA	0	0
7/3/2024	AWAR KM 14	0	0	0	0	0	0	NA	0	0
7/3/2024	AWAR KM 15	0	0	1	0	0	0	NA	0	0
6/17/2023	AWAR 27	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/17/2023	AWAR 27	4	0	0	0	0	0	NA	4	0
7/17/2023	AWAR 19	9	2	0	0	0	0	NA	9	2
6/17/2023	AWAR 25	48	0	0	2	0	0	NA	43	0
6/17/2023	AWAR 23	6	12	0	0	0	0	NA	5	13
6/18/2023	AWAR 30	3	0	0	0	0	0	NA	2	1
6/18/2023	AWAR 28	3	6	0	0	0	0	NA	3	6
6/19/2023	AWAR Esker KM 27	0	0	0	0	0	0	All gone; went on other side of Esker	NA	NA
6/19/2023	AWAR Esker KM 27	3	0	0	0	0	0	NA	1	0
6/19/2023	AWAR Esker KM 27	3	6	0	0	0	0	NA	0	9
6/19/2023	AWAR 27	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR 26	47	0	0	3	0	0	0	48	2
6/19/2023	AWAR 25	5	0	0	5	0	0	90% are gone	5	0
6/20/2023	AWAR 30	4	0	0	2	0	0	Cross AWAR East to West	1	0
6/20/2023	AWAR 28	23	4	0	3	0	0	NA	26	4
6/20/2023	AWAR 28	0	9	0	2	0	0	NA	0	9
6/21/2023	AWAR 27	5	0	0	15	0	0	Loosing sight of caribou	2	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Comments (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)	Walking (27 Minutes)
6/26/2025	AWAR KM 15	0	0	0	0	NA	10	16	2	2
6/27/2025	AWAR KM 7	0	0	0	0	Out of sight	0	0	0	0
6/21/2025	Mine Site KM WRSF3	0	0	0	0	Hard rain	18	2	0	0
6/22/2025	Mine Site KM WRSF3	0	15	0	0	NA	7	1	2	12
6/25/2025	Mine Site KM Weather Station	0	7	0	0	NA	26	0	0	4
6/19/2024	AWAR KM 25	0	0	0	0	NA	3	0	0	0
6/20/2024	Mine Site KM Pump Road	0	0	0	0	NA	3	0	0	0
6/21/2024	AWAR KM 24	0	0	0	0	Out of sight	0	0	0	0
6/22/2024	AWAR KM 27	0	0	0	0	NA	0	2	0	0
6/23/2024	Mine Site KM Explo	0	2	0	0	NA	2	0	0	0
6/23/2024	AWAR KM 19	0	2	0	0	NA	0	0	0	0
6/24/2024	AWAR KM 27	0	0	0	0	Rest out of view	12	0	0	0
6/25/2024	AWAR KM 19	0	0	0	0	NA	0	0	0	1
6/29/2024	AWAR KM 22	0	0	0	0	NA	1	0	0	0
6/29/2024	AWAR KM 28	0	0	0	0	NA	1	0	0	1
6/29/2024	AWAR KM 15	0	0	0	0	NA	0	0	0	0
6/30/2024	AWAR KM 25	0	0	0	0	NA	0	0	0	0
6/30/2024	AWAR KM 23	0	0	0	0	NA	0	0	0	0
7/1/2024	AWAR KM 20	0	0	0	0	NA	0	0	0	0
7/2/2024	AWAR KM 8	0	1	0	0	NA	0	0	0	0
7/3/2024	AWAR KM 14	0	0	0	0	NA	0	0	0	0
7/3/2024	AWAR KM 15	0	1	0	0	NA	0	0	0	1
6/17/2023	AWAR 27	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/17/2023	AWAR 27	0	0	0	0	NA	4	0	0	0
7/17/2023	AWAR 19	0	0	0	0	NA	9	2	0	0
6/17/2023	AWAR 25	0	7	0	0	NA	43	0	7	0
6/17/2023	AWAR 23	0	0	0	0	NA	3	15	0	0
6/18/2023	AWAR 30	0	0	0	0	NA	2	1	0	0
6/18/2023	AWAR 28	0	0	0	0	NA	3	6	0	0
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	0	2	0	0	NA	3	0	0	0
6/19/2023	AWAR Esker KM 27	0	0	0	0	NA	0	9	0	0
6/19/2023	AWAR 27	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR 26	0	0	0	0	NA	45	5	0	0
6/19/2023	AWAR 25	0	0	0	0	95% are gone	5	0	0	0
6/20/2023	AWAR 30	0	5	0	0	NA	6	0	0	0
6/20/2023	AWAR 28	0	0	0	0	NA	26	4	0	0
6/20/2023	AWAR 28	0	2	0	0	NA	2	9	0	0
6/21/2023	AWAR 27	0	20	0	0	NA	4	0	0	4

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (27 Minutes)	Trotting (27 Minutes)	Comments (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
6/26/2025	AWAR KM 15	0	0	NA	12	12	0	6	0	0
6/27/2025	AWAR KM 7	0	0	Out of sight	0	0	0	0	0	0
6/21/2025	Mine Site KM WRSF3	0	0	NA	17	3	0	0	0	0
6/22/2025	Mine Site KM WRSF3	0	0	NA	2	0	0	20	0	0
6/25/2025	Mine Site KM Weather Station	0	0	NA	17	0	0	12	0	0
6/19/2024	AWAR KM 25	0	0	NA	1	0	0	2	0	0
6/20/2024	Mine Site KM Pump Road	0	0	NA	3	0	0	0	0	0
6/21/2024	AWAR KM 24	0	0	Out of sight	0	0	0	0	0	0
6/22/2024	AWAR KM 27	0	0	NA	0	2	0	0	0	0
6/23/2024	Mine Site KM Explo	0	0	NA	2	0	0	0	0	0
6/23/2024	AWAR KM 19	0	0	Out of sight	0	0	0	0	0	0
6/24/2024	AWAR KM 27	0	0	NA	12	0	0	0	0	0
6/25/2024	AWAR KM 19	0	0	Crossing the road	0	0	0	1	0	0
6/29/2024	AWAR KM 22	0	0	NA	1	0	0	0	0	0
6/29/2024	AWAR KM 28	0	0	NA	2	0	0	0	0	0
6/29/2024	AWAR KM 15	0	0	NA	0	0	0	0	0	0
6/30/2024	AWAR KM 25	0	0	NA	0	0	0	0	0	0
6/30/2024	AWAR KM 23	0	0	NA	0	0	0	0	0	0
7/1/2024	AWAR KM 20	0	0	NA	0	0	0	0	0	0
7/2/2024	AWAR KM 8	0	0	Dropped behind the hill out of sight	0	0	0	0	0	0
7/3/2024	AWAR KM 14	0	0	NA	0	0	0	0	0	0
7/3/2024	AWAR KM 15	0	0	NA	0	0	0	0	0	0
6/17/2023	AWAR 27	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/17/2023	AWAR 27	0	0	NA	4	0	0	0	0	0
7/17/2023	AWAR 19	0	0	NA	9	2	0	0	0	0
6/17/2023	AWAR 25	0	0	NA	45	0	0	5	0	0
6/17/2023	AWAR 23	0	0	NA	3	15	0	0	0	0
6/18/2023	AWAR 30	0	0	NA	2	1	0	0	0	0
6/18/2023	AWAR 28	0	0	NA	3	6	0	0	0	0
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	0	0	NA	3	0	0	0	0	0
6/19/2023	AWAR Esker KM 27	0	0	NA	9	0	0	0	0	0
6/19/2023	AWAR 27	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR 26	0	0	NA	45	5	0	0	0	0
6/19/2023	AWAR 25	0	0	95% are gone	5	0	0	0	0	0
6/20/2023	AWAR 30	0	0	Crossed AWAR West to East	5	0	0	1	0	0
6/20/2023	AWAR 28	0	0	NA	24	6	0	0	0	0
6/20/2023	AWAR 28	0	0	NA	0	9	0	0	0	0
6/21/2023	AWAR 27	0	0	Lost 90% of caribou	4	0	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (30 Minutes)	Disturbance (0 Minutes)	Disturbance Comments (0 Minutes)
6/26/2025	AWAR KM 15	NA	Light Truck	Convoy of 5 pickups and 6 buses
6/27/2025	AWAR KM 7	Out of sight	NA	NA
6/21/2025	Mine Site KM WRSF3	NA	NA	NA
6/22/2025	Mine Site KM WRSF3	NA	NA	NA
6/25/2025	Mine Site KM Weather Station	NA	NA	NA
6/19/2024	AWAR KM 25	NA	Light Truck	HTO truck
6/20/2024	Mine Site KM Pump Road	NA	NA	NA
6/21/2024	AWAR KM 24	Out of sight	ATV	Hunter chasing caribou
6/22/2024	AWAR KM 27	NA	Light Truck	20 km/h
6/23/2024	Mine Site KM Explo	NA	NA	NA
6/23/2024	AWAR KM 19	NA	NA	NA
6/24/2024	AWAR KM 27	NA	NA	NA
6/25/2024	AWAR KM 19	NA	Light Truck	40 km/h
6/29/2024	AWAR KM 22	NA	NA	NA
6/29/2024	AWAR KM 28	NA	NA	NA
6/29/2024	AWAR KM 15	NA	Haul Truck	40 km/hr
6/30/2024	AWAR KM 25	NA	NA	NA
6/30/2024	AWAR KM 23	NA	NA	NA
7/1/2024	AWAR KM 20	NA	Haul Truck	Septic truck passed
7/2/2024	AWAR KM 8	Out of sight	ATV	NA
7/3/2024	AWAR KM 14	NA	NA	NA
7/3/2024	AWAR KM 15	Walked out of sight behind the hill	NA	NA
6/17/2023	AWAR 27	NA	3 ATV	2:10; 3 ATV; caribou running away from the road
6/17/2023	AWAR 27	NA	NA	NA
7/17/2023	AWAR 19	NA	NA	NA
6/17/2023	AWAR 25	Start crossing the road	NA	NA
6/17/2023	AWAR 23	NA	NA	NA
6/18/2023	AWAR 30	NA	NA	NA
6/18/2023	AWAR 28	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA
6/19/2023	AWAR 27	NA	NA	NA
6/19/2023	AWAR 26	NA	NA	NA
6/19/2023	AWAR 25	95% are gone	NA	NA
6/20/2023	AWAR 30	NA	NA	NA
6/20/2023	AWAR 28	NA	NA	NA
6/20/2023	AWAR 28	Lost 2 down the hill	NA	NA
6/21/2023	AWAR 27	Lost 95% of caribou	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (3 Minutes)	Disturbance Comments (3 Minutes)	Disturbance (6 Minutes)	Disturbance Comments (6 Minutes)
6/26/2025	AWAR KM 15	NA	NA	NA	NA
6/27/2025	AWAR KM 7	NA	NA	NA	NA
6/21/2025	Mine Site KM WRSF3	NA	NA	NA	NA
6/22/2025	Mine Site KM WRSF3	NA	NA	NA	NA
6/25/2025	Mine Site KM Weather Station	NA	NA	NA	NA
6/19/2024	AWAR KM 25	NA	NA	Haul Truck	NA
6/20/2024	Mine Site KM Pump Road	NA	NA	Haul Truck	On AWAR
6/21/2024	AWAR KM 24	ATV	NA	NA	NA
6/22/2024	AWAR KM 27	NA	NA	NA	NA
6/23/2024	Mine Site KM Explo	NA	NA	Light Truck	5 km/h
6/23/2024	AWAR KM 19	NA	NA	Light Truck	30 km/h
6/24/2024	AWAR KM 27	NA	NA	NA	NA
6/25/2024	AWAR KM 19	NA	NA	Light Truck	40 km/h
6/29/2024	AWAR KM 22	NA	NA	Light Truck	50 km/hr
6/29/2024	AWAR KM 28	NA	NA	NA	NA
6/29/2024	AWAR KM 15	NA	NA	NA	NA
6/30/2024	AWAR KM 25	NA	NA	NA	NA
6/30/2024	AWAR KM 23	NA	NA	NA	NA
7/1/2024	AWAR KM 20	NA	NA	NA	NA
7/2/2024	AWAR KM 8	Light Truck	50 km/hr	NA	NA
7/3/2024	AWAR KM 14	NA	NA	NA	NA
7/3/2024	AWAR KM 15	NA	NA	NA	NA
6/17/2023	AWAR 27	NA	NA	NA	NA
6/17/2023	AWAR 27	NA	NA	NA	NA
7/17/2023	AWAR 19	NA	NA	NA	NA
6/17/2023	AWAR 25	NA	NA	NA	NA
6/17/2023	AWAR 23	NA	NA	NA	NA
6/18/2023	AWAR 30	NA	NA	NA	NA
6/18/2023	AWAR 28	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA
6/19/2023	AWAR 27	NA	NA	NA	NA
6/19/2023	AWAR 26	NA	NA	NA	NA
6/19/2023	AWAR 25	NA	NA	NA	NA
6/20/2023	AWAR 30	NA	NA	NA	NA
6/20/2023	AWAR 28	NA	NA	NA	NA
6/20/2023	AWAR 28	NA	NA	NA	NA
6/21/2023	AWAR 27	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (9 Minutes)	Date	Survey Location	Disturbance Comments (9 Minutes)	Disturbance (12 Minutes)	Disturbance Comments (12 Minutes)
6/26/2025	AWAR KM 15	NA	6/26/2025	AWAR KM 15	NA	NA	NA
6/27/2025	AWAR KM 7	NA	6/27/2025	AWAR KM 7	NA	NA	NA
6/21/2025	Mine Site KM WRSF3	NA	6/21/2025	Mine Site KM WRSF3	NA	NA	NA
6/22/2025	Mine Site KM WRSF3	NA	6/22/2025	Mine Site KM WRSF3	NA	NA	NA
6/25/2025	Mine Site KM Weather Station	NA	6/25/2025	Mine Site KM Weather Station	NA	NA	NA
6/19/2024	AWAR KM 25	Haul Truck	6/19/2024	AWAR KM 25	30 km/h	Haul Truck	10 km/h
6/20/2024	Mine Site KM Pump Road	NA	6/20/2024	Mine Site KM Pump Road	NA	NA	NA
6/21/2024	AWAR KM 24	NA	6/21/2024	AWAR KM 24	NA	ATV	Hunter
6/22/2024	AWAR KM 27	Light Truck	6/22/2024	AWAR KM 27	NA	NA	NA
6/23/2024	Mine Site KM Explo	Light Truck	6/23/2024	Mine Site KM Explo	NA	NA	NA
6/23/2024	AWAR KM 19	Haul Truck	6/23/2024	AWAR KM 19	NA	NA	NA
6/24/2024	AWAR KM 27	NA	6/24/2024	AWAR KM 27	NA	NA	NA
6/25/2024	AWAR KM 19	NA	6/25/2024	AWAR KM 19	NA	NA	NA
6/29/2024	AWAR KM 22	NA	6/29/2024	AWAR KM 22	NA	NA	NA
6/29/2024	AWAR KM 28	NA	6/29/2024	AWAR KM 28	NA	NA	NA
6/29/2024	AWAR KM 15	ATV	6/29/2024	AWAR KM 15	ATVs travelling behind caribou group in the same direction	NA	NA
6/30/2024	AWAR KM 25	NA	6/30/2024	AWAR KM 25	NA	NA	NA
6/30/2024	AWAR KM 23	NA	6/30/2024	AWAR KM 23	NA	NA	NA
7/1/2024	AWAR KM 20	NA	7/1/2024	AWAR KM 20	NA	NA	NA
7/2/2024	AWAR KM 8	NA	7/2/2024	AWAR KM 8	NA	NA	NA
7/3/2024	AWAR KM 14	NA	7/3/2024	AWAR KM 14	NA	NA	NA
7/3/2024	AWAR KM 15	NA	7/3/2024	AWAR KM 15	NA	NA	NA
6/17/2023	AWAR 27	NA	6/17/2023	AWAR 27	NA	NA	NA
6/17/2023	AWAR 27	NA	6/17/2023	AWAR 27	NA	NA	NA
7/17/2023	AWAR 19	NA	7/17/2023	AWAR 19	NA	NA	NA
6/17/2023	AWAR 25	NA	6/17/2023	AWAR 25	NA	NA	NA
6/17/2023	AWAR 23	NA	6/17/2023	AWAR 23	NA	NA	NA
6/18/2023	AWAR 30	NA	6/18/2023	AWAR 30	NA	NA	NA
6/18/2023	AWAR 28	NA	6/18/2023	AWAR 28	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	6/19/2023	AWAR Esker KM 27	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	6/19/2023	AWAR Esker KM 27	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	6/19/2023	AWAR Esker KM 27	NA	NA	NA
6/19/2023	AWAR 27	NA	6/19/2023	AWAR 27	NA	NA	NA
6/19/2023	AWAR 26	NA	6/19/2023	AWAR 26	NA	NA	NA
6/19/2023	AWAR 25	NA	6/19/2023	AWAR 25	NA	NA	NA
6/20/2023	AWAR 30	NA	6/20/2023	AWAR 30	NA	NA	NA
6/20/2023	AWAR 28	NA	6/20/2023	AWAR 28	NA	NA	NA
6/20/2023	AWAR 28	NA	6/20/2023	AWAR 28	NA	NA	NA
6/21/2023	AWAR 27	NA	6/21/2023	AWAR 27	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (15 Minutes)	Disturbance Comments (15 Minutes)	Disturbance (18 Minutes)	Disturbance Comments (18 Minutes)	Disturbance (21 Minutes)	Disturbance Comments (21 Minutes)
6/26/2025	AWAR KM 15	ATV	ATV passed on AWAR	NA	NA	NA	NA
6/27/2025	AWAR KM 7	NA	NA	NA	NA	NA	NA
6/21/2025	Mine Site KM WRSF3	NA	NA	NA	NA	Light Truck	Convoy on AWAR
6/22/2025	Mine Site KM WRSF3	NA	NA	NA	NA	NA	NA
6/25/2025	Mine Site KM Weather Station	NA	NA	NA	NA	NA	NA
6/19/2024	AWAR KM 25	Haul Truck	10 km/h	Haul Truck	30 km/h	Light Truck	HTO truck
6/20/2024	Mine Site KM Pump Road	NA	NA	NA	NA	NA	NA
6/21/2024	AWAR KM 24	ATV	NA	NA	NA	NA	NA
6/22/2024	AWAR KM 27	NA	NA	ATV	Local; ATV moving fast	NA	NA
6/23/2024	Mine Site KM Explo	NA	NA	NA	NA	NA	NA
6/23/2024	AWAR KM 19	NA	NA	NA	NA	Light Truck	10 km/h
6/24/2024	AWAR KM 27	NA	NA	NA	NA	NA	NA
6/25/2024	AWAR KM 19	NA	NA	NA	NA	NA	NA
6/29/2024	AWAR KM 22	NA	NA	NA	NA	NA	NA
6/29/2024	AWAR KM 28	NA	NA	NA	NA	NA	NA
6/29/2024	AWAR KM 15	NA	NA	NA	NA	NA	NA
6/30/2024	AWAR KM 25	NA	NA	NA	NA	NA	NA
6/30/2024	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/1/2024	AWAR KM 20	NA	NA	NA	NA	NA	NA
7/2/2024	AWAR KM 8	NA	NA	NA	NA	NA	NA
7/3/2024	AWAR KM 14	NA	NA	NA	NA	NA	NA
7/3/2024	AWAR KM 15	NA	NA	NA	NA	NA	NA
6/17/2023	AWAR 27	NA	NA	NA	NA	NA	NA
6/17/2023	AWAR 27	NA	NA	NA	NA	NA	NA
7/17/2023	AWAR 19	NA	NA	NA	NA	NA	NA
6/17/2023	AWAR 25	NA	NA	NA	NA	NA	NA
6/17/2023	AWAR 23	NA	NA	NA	NA	NA	NA
6/18/2023	AWAR 30	NA	NA	NA	NA	NA	NA
6/18/2023	AWAR 28	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR 27	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR 26	NA	NA	NA	NA	NA	NA
6/19/2023	AWAR 25	Ambulance	15:59 ambulance had to pass; caribou all went running back West	NA	NA	NA	NA
6/20/2023	AWAR 30	NA	NA	NA	NA	NA	NA
6/20/2023	AWAR 28	NA	NA	NA	NA	NA	NA
6/20/2023	AWAR 28	NA	NA	NA	NA	NA	NA
6/21/2023	AWAR 27	NA	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (24 Minutes)	Disturbance Comments (24 Minutes)	Disturbance (27 Minutes)	Disturbance Comments (27 Minutes)	Disturbance (30 Minutes)
6/26/2025	AWAR KM 15	NA	NA	NA	NA	NA
6/27/2025	AWAR KM 7	NA	NA	NA	NA	NA
6/21/2025	Mine Site KM WRSF3	NA	NA	NA	NA	NA
6/22/2025	Mine Site KM WRSF3	NA	NA	NA	NA	NA
6/25/2025	Mine Site KM Weather Station	NA	NA	NA	NA	NA
6/19/2024	AWAR KM 25	NA	NA	NA	NA	NA
6/20/2024	Mine Site KM Pump Road	NA	NA	NA	NA	NA
6/21/2024	AWAR KM 24	NA	NA	NA	NA	NA
6/22/2024	AWAR KM 27	Light Truck	45 km/h	NA	NA	NA
6/23/2024	Mine Site KM Explo	NA	NA	NA	NA	NA
6/23/2024	AWAR KM 19	Light Truck	NA	NA	NA	NA
6/24/2024	AWAR KM 27	NA	NA	NA	NA	NA
6/25/2024	AWAR KM 19	NA	NA	NA	NA	Light Truck
6/29/2024	AWAR KM 22	NA	NA	NA	NA	NA
6/29/2024	AWAR KM 28	NA	NA	NA	NA	NA
6/29/2024	AWAR KM 15	NA	NA	NA	NA	NA
6/30/2024	AWAR KM 25	NA	NA	NA	NA	NA
6/30/2024	AWAR KM 23	NA	NA	NA	NA	NA
7/1/2024	AWAR KM 20	NA	NA	NA	NA	NA
7/2/2024	AWAR KM 8	NA	NA	NA	NA	NA
7/3/2024	AWAR KM 14	NA	NA	NA	NA	NA
7/3/2024	AWAR KM 15	NA	NA	NA	NA	NA
6/17/2023	AWAR 27	NA	NA	NA	NA	NA
6/17/2023	AWAR 27	NA	NA	NA	NA	NA
7/17/2023	AWAR 19	NA	NA	NA	NA	NA
6/17/2023	AWAR 25	NA	NA	NA	NA	NA
6/17/2023	AWAR 23	NA	NA	NA	NA	NA
6/18/2023	AWAR 30	NA	NA	NA	NA	NA
6/18/2023	AWAR 28	NA	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA	NA
6/19/2023	AWAR Esker KM 27	NA	NA	NA	NA	NA
6/19/2023	AWAR 27	NA	NA	NA	NA	NA
6/19/2023	AWAR 26	NA	NA	NA	NA	NA
6/19/2023	AWAR 25	NA	NA	NA	NA	NA
6/20/2023	AWAR 30	NA	NA	NA	NA	NA
6/20/2023	AWAR 28	NA	NA	NA	NA	NA
6/20/2023	AWAR 28	NA	NA	NA	NA	NA
6/21/2023	AWAR 27	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance Comments (30 Minutes)
6/26/2025	AWAR KM 15	NA
6/27/2025	AWAR KM 7	NA
6/21/2025	Mine Site KM WRSF3	NA
6/22/2025	Mine Site KM WRSF3	NA
6/25/2025	Mine Site KM Weather Station	NA
6/19/2024	AWAR KM 25	NA
6/20/2024	Mine Site KM Pump Road	NA
6/21/2024	AWAR KM 24	NA
6/22/2024	AWAR KM 27	NA
6/23/2024	Mine Site KM Explo	NA
6/23/2024	AWAR KM 19	NA
6/24/2024	AWAR KM 27	NA
6/25/2024	AWAR KM 19	NA
6/29/2024	AWAR KM 22	NA
6/29/2024	AWAR KM 28	NA
6/29/2024	AWAR KM 15	NA
6/30/2024	AWAR KM 25	NA
6/30/2024	AWAR KM 23	NA
7/1/2024	AWAR KM 20	NA
7/2/2024	AWAR KM 8	NA
7/3/2024	AWAR KM 14	NA
7/3/2024	AWAR KM 15	NA
6/17/2023	AWAR 27	NA
6/17/2023	AWAR 27	NA
7/17/2023	AWAR 19	NA
6/17/2023	AWAR 25	NA
6/17/2023	AWAR 23	NA
6/18/2023	AWAR 30	NA
6/18/2023	AWAR 28	NA
6/19/2023	AWAR Esker KM 27	NA
6/19/2023	AWAR Esker KM 27	NA
6/19/2023	AWAR Esker KM 27	NA
6/19/2023	AWAR 27	NA
6/19/2023	AWAR 26	NA
6/19/2023	AWAR 25	NA
6/20/2023	AWAR 30	NA
6/20/2023	AWAR 28	NA
6/20/2023	AWAR 28	NA
6/21/2023	AWAR 27	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	UTM Easting	UTM Northing	Distance from Caribou to Observer Location (m)	Distance from Caribou to Infrastructure (m)	Bearing to Group (°)	Group East or West	Group Crossed Road	Group Size	Temperature (°C)
6/24/2023	AWAR 29	541509	6987406	100-300	NA	NA	West	No	1	8
6/22/2023	AWAR KM 23	543615	6983959	>1,000	30	180	West	Yes	40	12
6/22/2023	AWAR KM 23	543615	6983959	300-1,000	500	180	East	No	300	11
6/23/2023	AWAR KM 27	541489	6987063	300-1,000	400	180	East	No	150	8
6/23/2023	AWAR KM 26	541489	6987063	300-1,000	NA	180	East	No	150	8
6/23/2023	AWAR KM 27	540980	6986096	100-300	300	270	West	No	101-200	9
6/23/2023	AWAR KM 23	543802	6983375	0-50	20	270	West	No	1	9
6/24/2023	EXPLO KM 0	541815	6988926	300-1,000	NA	360	East	No	1	15
6/25/2023	AWAR KM 14	540320	6988907	300-1,000	NA	90	East	No	>1,000	6
6/25/2023	AWAR KM 14	547876	6976232	300-1,000	500	90	East	No	>1,000	6
6/25/2023	AWAR KM 14	547876	6976232	>1,000	1,000	90	East	No	>1,000	6
6/25/2023	AWAR KM 13	547770	6975506	300-1,000	NA	180	West	Yes	>1,000	7
6/25/2023	AWAR KM 13	547770	6975506	300-1,000	50	180	West	No	>1,000	7
6/25/2023	AWAR KM 13	547770	6975506	>1,000	800	200	West	No	>1,000	7
6/25/2023	AWAR KM 12	547036	6973832	300-1,000	0	90	West	No	>1,000	7
6/25/2023	AWAR KM 11	546801	6973418	300-1,000	100	180	East	No	501-1,000	10
7/6/2023	AWAR KM 12	546961	6974262	300-1,000	NA	170	East	Yes	>1,000	10
7/6/2023	AWAR KM 12	547163	6974163	>1,000	NA	250	West	No	>1,000	11
7/6/2023	AWAR KM 7	543699	6970277	100-300	NA	330	East	Yes	>1,000	16
7/7/2023	AWAR KM 12	547184	6974118	300-1,000	NA	220	East	Yes	>1,000	9
7/7/2023	AWAR KM 11	547181	6974115	300-1,000	NA	203	East	Yes	>1,000	9
7/7/2023	AWAR KM 10	546391	6972670	>1,000	NA	320	West	No	>1,000	14
7/7/2023	AWAR KM 8	544844	6971696	300-1,000	NA	88	East	No	201-500	16
7/9/2023	AWAR KM 10	547185	6974113	>1,000	NA	190	West	No	201-500	8
7/9/2023	AWAR KM 19	546660	6979228	300-1,000	NA	12	East	No	501-1,000	7
7/9/2023	AWAR KM 20	546156	6980093	300-1,000	NA	324	East	Yes	>1,000	7
6/24/2022	AWAR 19	546152	6980141	600	550	120	East	No	201-500	9
6/24/2022	AWAR 20	545463	6980811	400	0	127	West	Yes	100	8
6/25/2022	AWAR 20	545310	6980926	300	300	222	West	No	1	9
6/25/2022	AWAR 18	546255	6979499	700	30	270	West	Yes	300	10
6/25/2022	AWAR 18	546255	6979499	700	30	270	West	NA	300	10
6/25/2022	AWAR 17	547132	6978694	50	NA	270	West	No	1	13
6/25/2022	AWAR 17	547132	6978694	120	890	270	West	No	150	13
6/25/2022	AWAR 12	547444	6974667	700	700	115	East	No	10	13
6/25/2022	AWAR 12	547212	6974168	1,200	1,000	NA	East	No	501-1,000	15
6/26/2022	AWAR 19	546165	6979860	1,600	1,400	218	West	No	150	12
6/26/2022	AWAR 18	546532	6979345	1,100	NA	243	West	No	600	14
6/27/2022	AWAR 20	544692	6981769	150	NA	0	East	No	4	7

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Wind Speed (km/h)	Wind Direction (°)	Road Height (cm)	Road Width (cm)	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)
6/24/2023	AWAR 29	20	331	NA	NA	0	1	0	0	0	0
6/22/2023	AWAR KM 23	16	180	100	100	10	0	0	10	0	3
6/22/2023	AWAR KM 23	17	90	100	100	40	15	0	0	0	0
6/23/2023	AWAR KM 27	20	270	100	100	20	0	0	0	0	3
6/23/2023	AWAR KM 26	22	270	100	100	4	20	0	0	9	0
6/23/2023	AWAR KM 27	23	230	100	100	27	3	0	0	0	0
6/23/2023	AWAR KM 23	26	200	100	100	0	0	0	0	1	0
6/24/2023	EXPLO KM 0	14	220	100	100	0	0	0	0	0	1
6/25/2023	AWAR KM 14	36	320	100	100	23	27	0	1	0	0
6/25/2023	AWAR KM 14	36	320	100	100	2	61	0	0	0	0
6/25/2023	AWAR KM 14	36	320	100	100	21	0	0	3	1	7
6/25/2023	AWAR KM 13	30	320	100	100	28	0	0	3	0	0
6/25/2023	AWAR KM 13	30	320	100	100	30	15	1	0	0	0
6/25/2023	AWAR KM 13	30	320	100	100	19	25	0	0	0	0
6/25/2023	AWAR KM 12	30	320	100	100	10	0	0	8	2	13
6/25/2023	AWAR KM 11	25	320	100	100	22	5	1	2	0	0
7/6/2023	AWAR KM 12	19	130	100	150	10	0	0	25	0	0
7/6/2023	AWAR KM 12	16	110	100	200	30	0	0	0	0	0
7/6/2023	AWAR KM 7	17	155	50	250	25	0	0	5	0	0
7/7/2023	AWAR KM 12	14	90	100	250	24	0	0	4	0	0
7/7/2023	AWAR KM 11	12	95	100	200	3	18	2	8	0	0
7/7/2023	AWAR KM 10	18	140	150	300	32	0	0	0	0	0
7/7/2023	AWAR KM 8	20	95	150	180	30	0	0	0	0	0
7/9/2023	AWAR KM 10	18	NA	100	150	28	5	0	2	0	0
7/9/2023	AWAR KM 19	31	202	90	200	26	0	0	8	0	0
7/9/2023	AWAR KM 20	34	270	80	300	12	0	3	15	0	0
6/24/2022	AWAR 19	14	0	100	200	14	0	2	10	2	0
6/24/2022	AWAR 20	10	300	150	200	14	1	0	3	1	7
6/25/2022	AWAR 20	19	270	100	200	0	0	0	0	0	1
6/25/2022	AWAR 18	19	NW	50	300	6	0	0	1	1	0
6/25/2022	AWAR 18	19	NW	50	300	10	0	0	5	3	0
6/25/2022	AWAR 17	28	NA	NA	NA	0	0	0	0	1	0
6/25/2022	AWAR 17	28	NA	1,7	6	16	0	0	13	0	1
6/25/2022	AWAR 12	17	30	200	200	7	0	0	0	0	0
6/25/2022	AWAR 12	10	270	200	200	0	0	0	0	0	30
6/26/2022	AWAR 19	17	0	150	200	32	2	0	1	0	2
6/26/2022	AWAR 18	10	0	200	400	29	1	0	8	1	1
6/27/2022	AWAR 20	25	315	100	200	0	0	0	3	0	1

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)	Comments (3 Minutes)
6/24/2023	AWAR 29	NA	0	1	0	0	0	0	NA
6/22/2023	AWAR KM 23	NA	25	0	0	6	0	0	NA
6/22/2023	AWAR KM 23	Convoy coming	40	15	0	5	0	0	Convoy is 2 km away; stopping
6/23/2023	AWAR KM 27	Calf playing	12	0	0	8	0	4	Moving towards the road
6/23/2023	AWAR KM 26	NA	5	24	0	0	4	0	Truck stopped
6/23/2023	AWAR KM 27	NA	26	3	0	0	1	0	NA
6/23/2023	AWAR KM 23	NA	1	0	0	0	0	0	NA
6/24/2023	EXPLO KM 0	Zigzagging	0	0	0	0	0	1	NA
6/25/2023	AWAR KM 14	NA	30	56	0	0	0	0	NA
6/25/2023	AWAR KM 14	NA	1	58	2	0	1	0	1 nursing
6/25/2023	AWAR KM 14	NA	24	0	0	2	0	4	NA
6/25/2023	AWAR KM 13	NA	23	4	0	3	0	0	NA
6/25/2023	AWAR KM 13	NA	19	14	0	0	0	0	NA
6/25/2023	AWAR KM 13	Hunter approaching	19	26	0	0	0	0	Hunter stationary nearby
6/25/2023	AWAR KM 12	NA	6	0	0	0	7	20	NA
6/25/2023	AWAR KM 11	1 nursing	24	5	0	1	0	0	NA
7/6/2023	AWAR KM 12	Crossing the road; drinking in the lake	33	0	0	0	2	2	NA
7/6/2023	AWAR KM 12	NA	15	0	0	15	0	0	NA
7/6/2023	AWAR KM 7	NA	30	0	0	0	0	0	NA
7/7/2023	AWAR KM 12	NA	30	0	0	0	0	0	NA
7/7/2023	AWAR KM 11	NA	3	15	1	10	1	0	NA
7/7/2023	AWAR KM 10	NA	10	0	0	20	0	0	NA
7/7/2023	AWAR KM 8	NA	25	5	1	3	0	0	NA
7/9/2023	AWAR KM 10	NA	28	0	0	3	0	0	NA
7/9/2023	AWAR KM 19	NA	38	0	0	0	0	1	NA
7/9/2023	AWAR KM 20	NA	0	4	0	10	0	2	NA
6/24/2022	AWAR 19	NA	17	8	0	2	1	0	NA
6/24/2022	AWAR 20	ATV stopped 300 m before the group	20	0	0	1	1	0	1 caribou on the road at KM 19
6/25/2022	AWAR 20	NA	1	0	0	0	0	0	NA
6/25/2022	AWAR 18	Most of the group was on the other side of the bridge	5	0	0	2	0	2	NA
6/25/2022	AWAR 18	NA	11	0	0	12	2	0	Going North; approching the road
6/25/2022	AWAR 17	Gull boming (after survey)	0	0	0	0	0	1	NA
6/25/2022	AWAR 17	NA	25	0	0	4	0	2	NA
6/25/2022	AWAR 12	2 unknown distant	8	0	0	2	0	0	NA
6/25/2022	AWAR 12	NA	3	0	0	2	0	25	Hunting
6/26/2022	AWAR 19	NA	32	2	0	2	0	1	NA
6/26/2022	AWAR 18	NA	20	2	0	4	3	0	NA
6/27/2022	AWAR 20	Disturbance	0	0	0	1	0	3	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Comments (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)
6/24/2023	AWAR 29	0	1	0	0	0	0	NA	0	1	0	0
6/22/2023	AWAR KM 23	20	0	0	8	2	0	Crossing the road	10	0	0	10
6/22/2023	AWAR KM 23	30	10	0	7	2	0	Convoy 2 km away and stopped	30	0	0	10
6/23/2023	AWAR KM 27	10	0	0	10	2	2	NA	25	0	0	2
6/23/2023	AWAR KM 26	5	28	0	0	0	0	NA	5	28	0	0
6/23/2023	AWAR KM 27	25	5	0	0	0	0	NA	20	8	0	0
6/23/2023	AWAR KM 23	1	0	0	0	0	0	NA	1	0	0	0
6/24/2023	EXPLO KM 0	0	0	0	0	0	1	Switched directions; hesitant about the waterline	0	0	0	0
6/25/2023	AWAR KM 14	27	59	0	0	0	0	NA	24	64	0	2
6/25/2023	AWAR KM 14	2	57	0	0	1	0	NA	4	58	0	0
6/25/2023	AWAR KM 14	20	0	0	9	0	1	NA	26	0	0	1
6/25/2023	AWAR KM 13	22	8	0	4	0	0	Laying beside the road	23	10	0	2
6/25/2023	AWAR KM 13	28	12	0	0	0	0	NA	28	13	0	0
6/25/2023	AWAR KM 13	14	28	0	0	0	0	NA	14	17	0	4
6/25/2023	AWAR KM 12	12	0	0	7	0	17	NA	11	0	0	0
6/25/2023	AWAR KM 11	20	5	0	7	0	0	NA	20	4	0	6
7/6/2023	AWAR KM 12	30	0	0	3	0	1	NA	0	0	0	35
7/6/2023	AWAR KM 12	15	10	0	5	0	0	NA	20	0	3	7
7/6/2023	AWAR KM 7	0	0	0	20	2	10	Moving fast ATV	0	0	0	30
7/7/2023	AWAR KM 12	28	0	1	1	0	0	NA	29	0	0	0
7/7/2023	AWAR KM 11	2	15	4	12	0	0	NA	0	3	20	6
7/7/2023	AWAR KM 10	0	0	2	28	1	0	NA	28	2	0	0
7/7/2023	AWAR KM 8	25	4	0	3	0	0	NA	15	20	1	0
7/9/2023	AWAR KM 10	30	0	1	2	0	1	Slowly moving while feeding	30	0	0	0
7/9/2023	AWAR KM 19	21	9	4	1	2	0	NA	13	28	1	2
7/9/2023	AWAR KM 20	3	4	5	14	0	2	NA	0	3	0	28
6/24/2022	AWAR 19	16	7	1	4	1	0	NA	5	23	0	1
6/24/2022	AWAR 20	16	1	0	1	1	0	3 caribou crossing the road West to East	18	2	0	0
6/25/2022	AWAR 20	1	0	0	0	0	0	NA	0	0	0	0
6/25/2022	AWAR 18	7	6	0	6	0	2	Crossing the road	8	5	0	1
6/25/2022	AWAR 18	18	0	0	6	2	0	4 on top of the road	11	0	0	8
6/25/2022	AWAR 17	NA	NA	NA	NA	NA	NA	Joined its buddies	NA	NA	NA	NA
6/25/2022	AWAR 17	20	0	0	7	0	6	No disturbance; just reaching its buddies	22	0	0	17
6/25/2022	AWAR 12	6	0	0	2	0	0	NA	8	0	0	0
6/25/2022	AWAR 12	9	0	0	0	0	18	Hunting	23	0	0	5
6/26/2022	AWAR 19	24	6	0	5	0	0	NA	25	8	0	3
6/26/2022	AWAR 18	21	2	0	10	1	0	NA	19	11	0	10
6/27/2022	AWAR 20	3	0	0	0	1	0	NA	4	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (9 Minutes)	Trotting (9 Minutes)	Comments (9 Minutes)	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)
6/24/2023	AWAR 29	0	0	Standing up / Alert	0	1	0	0	0	0
6/22/2023	AWAR KM 23	2	4	ATV approaching; 50% on each side of the road now	0	0	0	20	2	8
6/22/2023	AWAR KM 23	3	0	Convoy moving again	30	0	0	0	2	0
6/23/2023	AWAR KM 27	0	2	NA	25	0	0	0	0	2
6/23/2023	AWAR KM 26	0	0	NA	3	30	0	0	0	0
6/23/2023	AWAR KM 27	1	0	NA	14	14	0	0	2	0
6/23/2023	AWAR KM 23	0	0	NA	0	0	0	0	1	0
6/24/2023	EXPLO KM 0	0	1	Going back in the direction it came from	0	0	0	0	1	0
6/25/2023	AWAR KM 14	1	0	NA	33	60	0	1	0	0
6/25/2023	AWAR KM 14	0	0	NA	5	57	0	0	0	0
6/25/2023	AWAR KM 14	0	3	NA	21	0	0	9	0	0
6/25/2023	AWAR KM 13	0	0	Light rain started	13	8	0	11	0	7
6/25/2023	AWAR KM 13	0	0	NA	25	18	0	0	0	0
6/25/2023	AWAR KM 13	0	1	Hunter out of sight; moving slowly	15	15	NA	2	0	0
6/25/2023	AWAR KM 12	1	5	NA	0	0	0	0	0	0
6/25/2023	AWAR KM 11	0	0	NA	19	8	0	3	0	0
7/6/2023	AWAR KM 12	0	0	Moving West	0	0	0	20	0	15
7/6/2023	AWAR KM 12	0	0	NA	25	0	0	5	0	0
7/6/2023	AWAR KM 7	0	0	NA	0	0	0	20	6	7
7/7/2023	AWAR KM 12	0	1	NA	25	0	0	0	1	4
7/7/2023	AWAR KM 11	1	0	Standing on the road	4	0	24	3	0	0
7/7/2023	AWAR KM 10	0	0	NA	26	0	0	4	0	0
7/7/2023	AWAR KM 8	0	0	NA	10	20	0	0	0	0
7/9/2023	AWAR KM 10	2	0	NA	24	0	0	5	0	1
7/9/2023	AWAR KM 19	0	0	NA	9	24	2	1	0	0
7/9/2023	AWAR KM 20	0	0	NA	0	0	0	30	0	0
6/24/2022	AWAR 19	0	0	NA	3	25	0	0	0	0
6/24/2022	AWAR 20	0	0	NA	1	0	0	9	4	7
6/25/2022	AWAR 20	0	1	NA	0	0	0	0	0	0
6/25/2022	AWAR 18	0	2	NA	7	6	0	0	0	2
6/25/2022	AWAR 18	2	12	15 on top of the road; can't see the disturbance	16	0	0	12	0	4
6/25/2022	AWAR 17	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 17	1	8	No disturbance; bad buddies went back to other buddies	15	0	0	17	0	1
6/25/2022	AWAR 12	0	0	2 slightly distant	4	0	0	3	2	0
6/25/2022	AWAR 12	0	8	NA	19	0	0	2	0	5
6/26/2022	AWAR 19	0	0	Whining noise	31	4	0	2	0	1
6/26/2022	AWAR 18	3	0	NA	17	3	0	13	1	3
6/27/2022	AWAR 20	0	0	NA	3	0	0	1	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)	Trotting (15 Minutes)
6/24/2023	AWAR 29	NA	0	1	0	0	0	0
6/22/2023	AWAR KM 23	NA	0	0	0	20	0	14
6/22/2023	AWAR KM 23	Convoy	0	0	0	0	0	60
6/23/2023	AWAR KM 27	NA	25	8	0	0	0	2
6/23/2023	AWAR KM 26	NA	5	28	0	0	0	0
6/23/2023	AWAR KM 27	NA	13	13	0	0	0	1
6/23/2023	AWAR KM 23	NA	1	0	0	0	0	0
6/24/2023	EXPLO KM 0	NA	0	0	0	0	0	1
6/25/2023	AWAR KM 14	NA	23	77	0	3	0	0
6/25/2023	AWAR KM 14	NA	8	45	0	1	0	0
6/25/2023	AWAR KM 14	NA	19	0	0	4	0	7
6/25/2023	AWAR KM 13	NA	25	5	0	7	0	0
6/25/2023	AWAR KM 13	NA	29	16	0	0	0	0
6/25/2023	AWAR KM 13	NA	23	12	0	5	0	0
6/25/2023	AWAR KM 12	NA	0	0	0	0	0	0
6/25/2023	AWAR KM 11	NA	17	6	0	10	0	0
7/6/2023	AWAR KM 12	NA	5	0	0	25	0	5
7/6/2023	AWAR KM 12	NA	28	0	0	2	0	0
7/6/2023	AWAR KM 7	NA	0	0	0	0	0	30
7/7/2023	AWAR KM 12	NA	28	0	0	1	0	1
7/7/2023	AWAR KM 11	NA	25	0	0	5	0	0
7/7/2023	AWAR KM 10	NA	29	0	0	0	0	1
7/7/2023	AWAR KM 8	NA	28	0	0	1	1	0
7/9/2023	AWAR KM 10	NA	22	0	0	14	0	0
7/9/2023	AWAR KM 19	NA	4	23	8	0	0	0
7/9/2023	AWAR KM 20	NA	4	0	2	28	0	2
6/24/2022	AWAR 19	NA	1	29	0	0	0	0
6/24/2022	AWAR 20	NA	0	0	0	0	1	0
6/25/2022	AWAR 20	Out of sight	0	0	0	0	0	0
6/25/2022	AWAR 18	NA	7	5	0	2	0	0
6/25/2022	AWAR 18	Can't see dip in the road	19	0	0	6	0	0
6/25/2022	AWAR 17	NA	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 17	NA	15	0	1	13	0	4
6/25/2022	AWAR 12	1 unknown beheviour	5	0	0	2	0	0
6/25/2022	AWAR 12	NA	20	0	0	6	0	14
6/26/2022	AWAR 19	NA	32	10	0	3	0	0
6/26/2022	AWAR 18	First ATV observed (hunter)	15	1	0	11	4	1
6/27/2022	AWAR 20	NA	4	0	0	0	1	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Comments (18 Minutes)
6/24/2023	AWAR 29	NA	0	1	0	0	0	0	NA
6/22/2023	AWAR KM 23	Most crossed the road; ATV did not approach	10	0	0	10	0	8	All crossed
6/22/2023	AWAR KM 23	All trotting	0	0	0	30	2	30	Convoy passed
6/23/2023	AWAR KM 27	NA	17	4	0	0	0	0	NA
6/23/2023	AWAR KM 26	NA	4	29	0	0	0	0	NA
6/23/2023	AWAR KM 27	NA	13	16	0	1	0	0	NA
6/23/2023	AWAR KM 23	NA	1	0	0	0	0	0	NA
6/24/2023	EXPLO KM 0	NA	0	0	0	0	0	1	NA
6/25/2023	AWAR KM 14	NA	25	77	0	0	0	0	NA
6/25/2023	AWAR KM 14	NA	14	55	0	0	0	1	NA
6/25/2023	AWAR KM 14	NA	19	0	0	4	0	7	NA
6/25/2023	AWAR KM 13	NA	20	5	0	8	0	1	NA
6/25/2023	AWAR KM 13	NA	22	19	0	0	0	0	NA
6/25/2023	AWAR KM 13	NA	16	10	1	0	0	0	1 nursing
6/25/2023	AWAR KM 12	NA	0	0	0	0	0	0	NA
6/25/2023	AWAR KM 11	NA	14	4	0	13	0	0	NA
7/6/2023	AWAR KM 12	NA	10	0	0	20	0	5	NA
7/6/2023	AWAR KM 12	NA	10	0	0	20	0	0	NA
7/6/2023	AWAR KM 7	NA	0	0	0	0	0	30	NA
7/7/2023	AWAR KM 12	NA	22	0	0	8	0	0	NA
7/7/2023	AWAR KM 11	Crossed the road	20	0	3	8	0	0	NA
7/7/2023	AWAR KM 10	NA	25	0	0	2	0	3	NA
7/7/2023	AWAR KM 8	NA	30	0	0	0	0	0	NA
7/9/2023	AWAR KM 10	NA	14	0	0	20	1	0	NA
7/9/2023	AWAR KM 19	NA	2	21	9	6	0	0	NA
7/9/2023	AWAR KM 20	NA	4	0	0	25	0	0	NA
6/24/2022	AWAR 19	NA	0	29	0	1	0	0	NA
6/24/2022	AWAR 20	Out of sight	NA	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 20	Out of sight	0	0	0	0	0	0	Out of sight
6/25/2022	AWAR 18	NA	5	5	0	1	0	0	NA
6/25/2022	AWAR 18	Slope of the road (3)	19	0	0	4	3	0	2 bite - stare - unhappy - in alert
6/25/2022	AWAR 17	NA	NA	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 17	NA	51	0	0	6	0	0	NA
6/25/2022	AWAR 12	NA	4	0	0	1	1	1	Some out of sight
6/25/2022	AWAR 12	NA	NA	NA	NA	NA	NA	NA	Phone call
6/26/2022	AWAR 19	NA	37	11	0	3	0	4	NA
6/26/2022	AWAR 18	NA	8	0	NA	15	5	9	NA
6/27/2022	AWAR 20	NA	3	0	0	0	0	0	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)	Alert (21 Minutes)	Trotting (21 Minutes)	Comments (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)
6/24/2023	AWAR 29	0	1	0	0	0	0	NA	0	1
6/22/2023	AWAR KM 23	30	0	0	10	0	3	More appearing over ridge	20	0
6/22/2023	AWAR KM 23	0	0	0	50	0	30	NA	0	0
6/23/2023	AWAR KM 27	16	10	0	0	0	0	NA	13	14
6/23/2023	AWAR KM 26	4	28	0	1	0	0	NA	2	31
6/23/2023	AWAR KM 27	14	18	0	0	1	0	NA	8	22
6/23/2023	AWAR KM 23	0	0	0	0	1	0	NA	0	0
6/24/2023	EXPLO KM 0	0	0	0	0	0	0	Out of sight	0	0
6/25/2023	AWAR KM 14	11	92	0	0	0	0	NA	9	93
6/25/2023	AWAR KM 14	12	31	0	8	0	0	NA	18	39
6/25/2023	AWAR KM 14	25	0	0	4	0	1	NA	24	0
6/25/2023	AWAR KM 13	20	8	0	6	0	0	NA	8	3
6/25/2023	AWAR KM 13	21	19	0	0	0	0	NA	22	20
6/25/2023	AWAR KM 13	16	8	1	3	0	0	1 nursing	11	8
6/25/2023	AWAR KM 12	0	0	0	0	0	0	NA	0	0
6/25/2023	AWAR KM 11	20	6	0	10	0	0	NA	15	7
7/6/2023	AWAR KM 12	30	0	0	4	0	1	NA	0	0
7/6/2023	AWAR KM 12	22	2	0	6	0	0	NA	6	0
7/6/2023	AWAR KM 7	0	0	0	0	0	30	NA	0	0
7/7/2023	AWAR KM 12	15	0	0	5	0	10	NA	22	0
7/7/2023	AWAR KM 11	0	0	0	30	0	0	Started raining	5	0
7/7/2023	AWAR KM 10	16	0	0	15	0	0	NA	5	0
7/7/2023	AWAR KM 8	35	0	0	0	0	0	NA	30	0
7/9/2023	AWAR KM 10	0	0	0	5	0	0	Rest are out of sight	10	0
7/9/2023	AWAR KM 19	5	19	2	9	0	0	NA	12	15
7/9/2023	AWAR KM 20	25	0	0	5	0	1	NA	20	0
6/24/2022	AWAR 19	0	30	0	0	0	0	NA	0	30
6/24/2022	AWAR 20	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 20	0	0	0	0	0	0	Running along the road to convoy	0	0
6/25/2022	AWAR 18	3	5	0	0	0	0	NA	3	5
6/25/2022	AWAR 18	20	1	0	4	0	0	No ducks flying around; maybe nest (goose)	19	3
6/25/2022	AWAR 17	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 17	18	NA	11	7	1	3	NA	24	0
6/25/2022	AWAR 12	2	0	0	0	0	1	Out of sight	1	0
6/25/2022	AWAR 12	NA	NA	NA	NA	NA	NA	Phone call	38	0
6/26/2022	AWAR 19	34	13	0	2	0	1	NA	29	14
6/26/2022	AWAR 18	3	3	0	25	6	2	Moving South	6	0
6/27/2022	AWAR 20	3	0	0	1	0	0	NA	2	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Comments (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)	Walking (27 Minutes)
6/24/2023	AWAR 29	0	0	0	0	NA	0	1	0	0
6/22/2023	AWAR KM 23	0	1	1	7	More joining; main group 300 m off the road	40	1	0	2
6/22/2023	AWAR KM 23	0	0	0	60	NA	0	0	0	60
6/23/2023	AWAR KM 27	0	0	0	0	NA	13	14	0	0
6/23/2023	AWAR KM 26	0	0	0	0	NA	3	30	0	0
6/23/2023	AWAR KM 27	0	0	0	0	NA	7	28	0	0
6/23/2023	AWAR KM 23	0	0	0	1	NA	0	0	0	1
6/24/2023	EXPLO KM 0	0	0	0	1	NA	0	0	0	0
6/25/2023	AWAR KM 14	0	0	0	0	NA	9	93	0	0
6/25/2023	AWAR KM 14	0	0	1	0	NA	27	37	0	0
6/25/2023	AWAR KM 14	0	4	0	2	NA	28	0	0	1
6/25/2023	AWAR KM 13	0	3	0	2	NA	12	6	0	1
6/25/2023	AWAR KM 13	0	0	0	0	NA	12	22	0	0
6/25/2023	AWAR KM 13	0	6	1	0	NA	22	13	0	5
6/25/2023	AWAR KM 12	0	0	0	0	NA	0	0	0	0
6/25/2023	AWAR KM 11	0	8	0	0	NA	16	9	0	6
7/6/2023	AWAR KM 12	0	35	0	0	NA	5	0	0	15
7/6/2023	AWAR KM 12	0	20	2	2	NA	5	0	0	25
7/6/2023	AWAR KM 7	0	0	0	30	NA	0	0	0	0
7/7/2023	AWAR KM 12	2	1	2	2	1 crossed	25	0	1	1
7/7/2023	AWAR KM 11	0	25	0	0	NA	0	0	0	30
7/7/2023	AWAR KM 10	0	25	0	0	NA	15	0	1	14
7/7/2023	AWAR KM 8	0	0	0	0	NA	32	3	0	0
7/9/2023	AWAR KM 10	1	22	0	2	NA	6	0	0	27
7/9/2023	AWAR KM 19	0	0	0	0	NA	9	17	4	4
7/9/2023	AWAR KM 20	0	15	0	0	NA	5	0	0	24
6/24/2022	AWAR 19	0	0	0	0	NA	0	30	0	0
6/24/2022	AWAR 20	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 20	0	0	0	1	Running parallel to the road	0	0	0	0
6/25/2022	AWAR 18	0	1	1	0	NA	7	3	0	0
6/25/2022	AWAR 18	0	7	0	0	NA	13	8	0	4
6/25/2022	AWAR 17	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 17	0	7	0	3	NA	29	0	0	1
6/25/2022	AWAR 12	0	2	0	0	1 unknown behaviour; rest are out of sight	0	0	0	1
6/25/2022	AWAR 12	0	2	0	0	NA	31	0	0	4
6/26/2022	AWAR 19	0	0	0	0	NA	26	13	0	0
6/26/2022	AWAR 18	0	6	3	23	NA	25	0	0	13
6/27/2022	AWAR 20	0	1	0	0	1 out of sight	3	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (27 Minutes)	Trotting (27 Minutes)	Comments (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
6/24/2023	AWAR 29	0	0	NA	0	1	0	0	0	0
6/22/2023	AWAR KM 23	0	0	NA	30	3	0	0	0	2
6/22/2023	AWAR KM 23	0	10	NA	0	0	0	60	0	0
6/23/2023	AWAR KM 27	0	0	NA	15	15	0	0	0	0
6/23/2023	AWAR KM 26	0	0	NA	3	30	0	0	0	0
6/23/2023	AWAR KM 27	0	0	NA	3	30	0	0	0	0
6/23/2023	AWAR KM 23	0	0	NA	0	1	0	0	0	0
6/24/2023	EXPLO KM 0	0	0	Out of sight	0	0	0	0	0	0
6/25/2023	AWAR KM 14	0	0	NA	10	93	0	1	0	0
6/25/2023	AWAR KM 14	1	1	NA	29	30	0	2	0	0
6/25/2023	AWAR KM 14	0	1	NA	18	0	0	2	0	10
6/25/2023	AWAR KM 13	0	0	Some are moving out of sight	12	6	0	5	0	0
6/25/2023	AWAR KM 13	0	0	NA	13	19	0	0	0	0
6/25/2023	AWAR KM 13	2	2	NA	31	5	0	0	0	0
6/25/2023	AWAR KM 12	0	0	NA	0	0	0	0	0	0
6/25/2023	AWAR KM 11	0	0	NA	16	9	0	4	0	1
7/6/2023	AWAR KM 12	0	15	No disturbance seen	30	0	0	5	0	0
7/6/2023	AWAR KM 12	0	0	NA	2	0	2	26	0	0
7/6/2023	AWAR KM 7	0	0	Out of sight	0	0	0	0	0	0
7/7/2023	AWAR KM 12	2	0	NA	11	0	0	0	0	19
7/7/2023	AWAR KM 11	0	0	NA	28	0	0	2	0	0
7/7/2023	AWAR KM 10	0	0	NA	15	0	0	20	0	0
7/7/2023	AWAR KM 8	0	0	NA	28	5	0	1	1	0
7/9/2023	AWAR KM 10	0	1	NA	32	0	0	3	0	0
7/9/2023	AWAR KM 19	0	0	NA	10	22	0	6	0	0
7/9/2023	AWAR KM 20	2	0	NA	30	0	0	2	0	0
6/24/2022	AWAR 19	0	0	NA	0	30	0	0	0	0
6/24/2022	AWAR 20	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 20	0	0	Out of sight	0	0	0	0	0	1
6/25/2022	AWAR 18	0	0	NA	6	1	0	0	0	0
6/25/2022	AWAR 18	1	0	1 nursing (noted alert)	13	10	0	2	1	0
6/25/2022	AWAR 17	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 17	0	2	NA	29	2	0	2	1	0
6/25/2022	AWAR 12	0	2	3 split off	0	0	0	0	0	4
6/25/2022	AWAR 12	0	9	NA	34	0	0	2	0	2
6/26/2022	AWAR 19	0	0	NA	28	8	0	1	0	0
6/26/2022	AWAR 18	2	5	Same spot ATV; not following caribou	30	0	0	3	2	4
6/27/2022	AWAR 20	0	0	NA	2	0	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (30 Minutes)	Disturbance (0 Minutes)	Disturbance Comments (0 Minutes)
6/24/2023	AWAR 29	NA	NA	NA
6/22/2023	AWAR KM 23	NA	NA	NA
6/22/2023	AWAR KM 23	NA	NA	NA
6/23/2023	AWAR KM 27	NA	NA	NA
6/23/2023	AWAR KM 26	NA	Light Truck	Caribou monitoring truck travelling very slow; all laying before
6/23/2023	AWAR KM 27	NA	NA	NA
6/23/2023	AWAR KM 23	NA	Light Truck	Own vehicle
6/24/2023	EXPLO KM 0	Out of sight	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA
6/25/2023	AWAR KM 12	NA	ATV	Slow
6/25/2023	AWAR KM 11	NA	NA	NA
7/6/2023	AWAR KM 12	NA	NA	NA
7/6/2023	AWAR KM 12	NA	NA	NA
7/6/2023	AWAR KM 7	Out of sight	ATV	NA
7/7/2023	AWAR KM 12	Bugs	NA	NA
7/7/2023	AWAR KM 11	NA	NA	NA
7/7/2023	AWAR KM 10	NA	NA	NA
7/7/2023	AWAR KM 8	NA	ATV	NA
7/9/2023	AWAR KM 10	NA	NA	NA
7/9/2023	AWAR KM 19	NA	NA	NA
7/9/2023	AWAR KM 20	NA	NA	NA
6/24/2022	AWAR 19	NA	NA	NA
6/24/2022	AWAR 20	NA	ATV	Going South; turn off ATV
6/25/2022	AWAR 20	Out of sight	Light Truck	Own vehicle
6/25/2022	AWAR 18	NA	NA	NA
6/25/2022	AWAR 18	NA	ATV	1 red
6/25/2022	AWAR 17	NA	NA	NA
6/25/2022	AWAR 17	NA	ARV	Red; slow quad (nice elder)
6/25/2022	AWAR 12	Moving to join bigger group	NA	NA
6/25/2022	AWAR 12	NA	4 Quads	Hunting
6/26/2022	AWAR 19	NA	NA	NA
6/26/2022	AWAR 18	NA	ATV	Nice elder on AWAR
6/27/2022	AWAR 20	1 out of sight	Light Truck	Own vehicle

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (3 Minutes)	Disturbance Comments (3 Minutes)	Disturbance (6 Minutes)	Disturbance Comments (6 Minutes)
6/24/2023	AWAR 29	NA	NA	NA	NA
6/22/2023	AWAR KM 23	NA	NA	NA	NA
6/22/2023	AWAR KM 23	NA	NA	NA	NA
6/23/2023	AWAR KM 27	NA	NA	NA	NA
6/23/2023	AWAR KM 26	NA	NA	NA	NA
6/23/2023	AWAR KM 27	NA	NA	NA	NA
6/23/2023	AWAR KM 23	NA	NA	NA	NA
6/24/2023	EXPLO KM 0	NA	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA	NA
6/25/2023	AWAR KM 12	NA	NA	NA	NA
6/25/2023	AWAR KM 11	NA	NA	NA	NA
7/6/2023	AWAR KM 12	NA	NA	NA	NA
7/6/2023	AWAR KM 12	NA	NA	NA	NA
7/6/2023	AWAR KM 7	NA	NA	ATV	NA
7/7/2023	AWAR KM 12	NA	NA	NA	NA
7/7/2023	AWAR KM 11	NA	NA	NA	NA
7/7/2023	AWAR KM 10	NA	NA	NA	NA
7/7/2023	AWAR KM 8	ATV	Side by side	NA	NA
7/9/2023	AWAR KM 10	NA	NA	NA	NA
7/9/2023	AWAR KM 19	NA	NA	NA	NA
7/9/2023	AWAR KM 20	NA	NA	NA	NA
6/24/2022	AWAR 19	NA	NA	NA	NA
6/24/2022	AWAR 20	NA	NA	NA	NA
6/25/2022	AWAR 20	NA	NA	NA	NA
6/25/2022	AWAR 18	NA	NA	NA	NA
6/25/2022	AWAR 18	NA	NA	NA	NA
6/25/2022	AWAR 17	ATV	1 blue	ATV	1 red
6/25/2022	AWAR 17	NA	NA	NA	NA
6/25/2022	AWAR 12	NA	NA	NA	NA
6/25/2022	AWAR 12	NA	NA	ATV	Fast and noisy
6/26/2022	AWAR 19	NA	NA	NA	NA
6/26/2022	AWAR 18	Convoy	1 pickup, 2 buses, 2 maintenance vehicles	NA	NA
6/27/2022	AWAR 20	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (9 Minutes)	Date	Survey Location	Disturbance Comments (9 Minutes)	Disturbance (12 Minutes)	Disturbance Comments (12 Minutes)
6/24/2023	AWAR 29	ATV	6/24/2023	AWAR 29	9 min; open pit blast 1 second before 1 ATV went by; video taken	NA	NA
6/22/2023	AWAR KM 23	NA	6/22/2023	AWAR KM 23	NA	NA	NA
6/22/2023	AWAR KM 23	NA	6/22/2023	AWAR KM 23	NA	Light Truck	10 haul trucks are buses
6/23/2023	AWAR KM 27	NA	6/23/2023	AWAR KM 27	NA	NA	NA
6/23/2023	AWAR KM 26	NA	6/23/2023	AWAR KM 26	NA	NA	NA
6/23/2023	AWAR KM 27	NA	6/23/2023	AWAR KM 27	NA	NA	NA
6/23/2023	AWAR KM 23	NA	6/23/2023	AWAR KM 23	NA	NA	NA
6/24/2023	EXPLO KM 0	NA	6/24/2023	EXPLO KM 0	NA	NA	NA
6/25/2023	AWAR KM 14	NA	6/25/2023	AWAR KM 14	NA	NA	NA
6/25/2023	AWAR KM 14	NA	6/25/2023	AWAR KM 14	NA	NA	NA
6/25/2023	AWAR KM 14	NA	6/25/2023	AWAR KM 14	NA	NA	NA
6/25/2023	AWAR KM 13	NA	6/25/2023	AWAR KM 13	NA	NA	NA
6/25/2023	AWAR KM 13	NA	6/25/2023	AWAR KM 13	NA	NA	NA
6/25/2023	AWAR KM 13	NA	6/25/2023	AWAR KM 13	NA	NA	NA
6/25/2023	AWAR KM 12	NA	6/25/2023	AWAR KM 12	NA	NA	NA
6/25/2023	AWAR KM 11	NA	6/25/2023	AWAR KM 11	NA	NA	NA
7/6/2023	AWAR KM 12	NA	7/6/2023	AWAR KM 12	NA	NA	NA
7/6/2023	AWAR KM 12	NA	7/6/2023	AWAR KM 12	NA	NA	NA
7/6/2023	AWAR KM 7	NA	7/6/2023	AWAR KM 7	NA	ATV	ATV is herding the herd
7/7/2023	AWAR KM 12	NA	7/7/2023	AWAR KM 12	NA	NA	NA
7/7/2023	AWAR KM 11	NA	7/7/2023	AWAR KM 11	NA	NA	NA
7/7/2023	AWAR KM 10	NA	7/7/2023	AWAR KM 10	NA	NA	NA
7/7/2023	AWAR KM 8	NA	7/7/2023	AWAR KM 8	NA	Light Truck	Slow drive
7/9/2023	AWAR KM 10	NA	7/9/2023	AWAR KM 10	NA	NA	NA
7/9/2023	AWAR KM 19	NA	7/9/2023	AWAR KM 19	NA	NA	NA
7/9/2023	AWAR KM 20	NA	7/9/2023	AWAR KM 20	NA	NA	NA
6/24/2022	AWAR 19	NA	6/24/2022	AWAR 19	NA	NA	NA
6/24/2022	AWAR 20	NA	6/24/2022	AWAR 20	NA	NA	Light truck
6/25/2022	AWAR 20	NA	6/25/2022	AWAR 20	NA	NA	NA
6/25/2022	AWAR 18	NA	6/25/2022	AWAR 18	NA	NA	NA
6/25/2022	AWAR 18	Unknown	6/25/2022	AWAR 18	Noise or something out of sight	NA	NA
6/25/2022	AWAR 17	NA	6/25/2022	AWAR 17	NA	NA	NA
6/25/2022	AWAR 17	NA	6/25/2022	AWAR 17	NA	NA	NA
6/25/2022	AWAR 12	ATV	6/25/2022	AWAR 12	2 quads	ATV	2 quads
6/25/2022	AWAR 12	ATV	6/25/2022	AWAR 12	NA	NA	NA
6/26/2022	AWAR 19	NA	6/26/2022	AWAR 19	Tractor trailer on AWAR	At 10 min	NA
6/26/2022	AWAR 18	NA	6/26/2022	AWAR 18	NA	ATV	Hunter
6/27/2022	AWAR 20	NA	6/27/2022	AWAR 20	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (15 Minutes)	Disturbance Comments (15 Minutes)	Disturbance (18 Minutes)	Disturbance Comments (18 Minutes)	Disturbance (21 Minutes)	Disturbance Comments (21 Minutes)
6/24/2023	AWAR 29	NA	NA	NA	NA	NA	NA
6/22/2023	AWAR KM 23	NA	NA	NA	NA	NA	NA
6/22/2023	AWAR KM 23	NA	NA	NA	NA	NA	NA
6/23/2023	AWAR KM 27	NA	NA	NA	NA	NA	NA
6/23/2023	AWAR KM 26	NA	NA	NA	NA	NA	NA
6/23/2023	AWAR KM 27	NA	NA	NA	NA	NA	NA
6/23/2023	AWAR KM 23	NA	NA	NA	NA	NA	NA
6/24/2023	EXPLO KM 0	NA	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 12	NA	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 11	NA	NA	NA	NA	NA	NA
7/6/2023	AWAR KM 12	NA	NA	NA	NA	NA	NA
7/6/2023	AWAR KM 12	NA	NA	NA	NA	NA	NA
7/6/2023	AWAR KM 7	ATV	Herding	ATV	ATV herding	ATV	Driving fast
7/7/2023	AWAR KM 12	NA	NA	NA	NA	NA	NA
7/7/2023	AWAR KM 11	NA	NA	NA	NA	NA	NA
7/7/2023	AWAR KM 10	NA	NA	NA	NA	NA	NA
7/7/2023	AWAR KM 8	Light Truck	NA	NA	NA	NA	NA
7/9/2023	AWAR KM 10	NA	NA	NA	NA	NA	NA
7/9/2023	AWAR KM 19	NA	NA	NA	NA	NA	NA
7/9/2023	AWAR KM 20	NA	NA	Light Truck	Slow crawl	NA	NA
6/24/2022	AWAR 19	NA	NA	NA	NA	NA	NA
6/24/2022	AWAR 20	Stopped at KM 19; travelling North	NA	NA	NA	NA	NA
6/25/2022	AWAR 20	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 18	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 18	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 17	NA	NA	NA	NA	NA	NA
6/25/2022	AWAR 17	NA	NA	NA	NA	ATV	Red; loud and fast, but ok (2 people)
6/25/2022	AWAR 12	ATV	1 side by side / 1 quad	ATV	2 quads	NA	NA
6/25/2022	AWAR 12	NA	NA	NA	NA	NA	NA
6/26/2022	AWAR 19	NA	NA	NA	NA	NA	NA
6/26/2022	AWAR 18	NA	NA	NA	NA	NA	NA
6/27/2022	AWAR 20	NA	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (24 Minutes)	Disturbance Comments (24 Minutes)	Disturbance (27 Minutes)	Disturbance Comments (27 Minutes)	Disturbance (30 Minutes)
6/24/2023	AWAR 29	NA	NA	NA	NA	NA
6/22/2023	AWAR KM 23	NA	NA	NA	NA	NA
6/22/2023	AWAR KM 23	ATV	NA	NA	NA	NA
6/23/2023	AWAR KM 27	NA	NA	NA	NA	NA
6/23/2023	AWAR KM 26	NA	NA	NA	NA	NA
6/23/2023	AWAR KM 27	NA	NA	NA	NA	NA
6/23/2023	AWAR KM 23	ATV	NA	NA	NA	NA
6/24/2023	EXPLO KM 0	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 14	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 13	NA	NA	Hunter	Possible hunting out of sight; seeing some reaction	NA
6/25/2023	AWAR KM 12	NA	NA	NA	NA	NA
6/25/2023	AWAR KM 11	NA	NA	NA	NA	NA
7/6/2023	AWAR KM 12	NA	NA	NA	NA	NA
7/6/2023	AWAR KM 12	NA	NA	NA	NA	NA
7/6/2023	AWAR KM 7	ATV	NA	NA	NA	NA
7/7/2023	AWAR KM 12	NA	NA	NA	NA	NA
7/7/2023	AWAR KM 11	NA	NA	NA	NA	NA
7/7/2023	AWAR KM 10	Light Truck	Slow	ATV	NA	NA
7/7/2023	AWAR KM 8	Light Truck	NA	NA	NA	Light Truck
7/9/2023	AWAR KM 10	NA	NA	NA	NA	NA
7/9/2023	AWAR KM 19	NA	NA	NA	NA	NA
7/9/2023	AWAR KM 20	NA	NA	NA	NA	NA
6/24/2022	AWAR 19	NA	NA	NA	NA	NA
6/24/2022	AWAR 20	NA	NA	NA	NA	NA
6/25/2022	AWAR 20	NA	NA	NA	NA	NA
6/25/2022	AWAR 18	NA	NA	NA	NA	NA
6/25/2022	AWAR 18	NA	NA	NA	NA	NA
6/25/2022	AWAR 17	NA	NA	NA	NA	NA
6/25/2022	AWAR 17	NA	NA	NA	NA	NA
6/25/2022	AWAR 12	NA	NA	NA	NA	NA
6/25/2022	AWAR 12	NA	NA	NA	NA	NA
6/26/2022	AWAR 19	NA	NA	NA	NA	NA
6/26/2022	AWAR 18	NA	NA	NA	NA	NA
6/27/2022	AWAR 20	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance Comments (30 Minutes)
6/24/2023	AWAR 29	NA
6/22/2023	AWAR KM 23	NA
6/22/2023	AWAR KM 23	NA
6/23/2023	AWAR KM 27	NA
6/23/2023	AWAR KM 26	NA
6/23/2023	AWAR KM 27	NA
6/23/2023	AWAR KM 23	NA
6/24/2023	EXPLO KM 0	NA
6/25/2023	AWAR KM 14	NA
6/25/2023	AWAR KM 14	NA
6/25/2023	AWAR KM 14	NA
6/25/2023	AWAR KM 13	NA
6/25/2023	AWAR KM 13	NA
6/25/2023	AWAR KM 13	NA
6/25/2023	AWAR KM 12	NA
6/25/2023	AWAR KM 11	NA
7/6/2023	AWAR KM 12	NA
7/6/2023	AWAR KM 12	NA
7/6/2023	AWAR KM 12	NA
7/6/2023	AWAR KM 7	NA
7/7/2023	AWAR KM 12	NA
7/7/2023	AWAR KM 11	NA
7/7/2023	AWAR KM 10	NA
7/7/2023	AWAR KM 8	NA
7/9/2023	AWAR KM 10	NA
7/9/2023	AWAR KM 19	NA
7/9/2023	AWAR KM 20	NA
6/24/2022	AWAR 19	NA
6/24/2022	AWAR 20	NA
6/25/2022	AWAR 20	NA
6/25/2022	AWAR 18	NA
6/25/2022	AWAR 18	NA
6/25/2022	AWAR 17	NA
6/25/2022	AWAR 17	NA
6/25/2022	AWAR 12	NA
6/25/2022	AWAR 12	NA
6/26/2022	AWAR 19	NA
6/26/2022	AWAR 18	NA
6/27/2022	AWAR 20	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	UTM Easting	UTM Northing	Distance from Caribou to Observer Location (m)	Distance from Caribou to Infrastructure (m)	Bearing to Group (°)	Group East or West	Group Crossed Road	Group Size	Temperature (°C)
6/27/2022	AWAR 19	546153	6980267	1,200	1,150	45	NA	NA	4	7
6/28/2022	AWAR 12	547179	6974114	1,900	1,600	200	West	No	>1,000	9
6/28/2022	AWAR 13	547179	6974114	1,900	1,600	200	West	No	>2,000	9
6/28/2022	AWAR 12	547179	6974114	1,000	800	NA	West	No	>2,000	9
6/28/2022	AWAR 10	546173	6972521	800	850	300	West	NA	1,500	9
6/28/2022	AWAR 12	546173	6972521	1,600	1,300	340	West	NA	800	9
6/28/2022	AWAR 10	546173	6972521	800	850	300	NA	NA	1,500	9
6/28/2022	AWAR 12	546173	6972521	1,600	500	NA	West	NA	501-1,000 (800)	9
6/28/2022	AWAR 8	545273	6971872	800	300	250	West	No	3,000	13
6/28/2022	AWAR 8	545273	6971872	800	300	275	West	M	3,000	13
6/28/2022	AWAR 8	545273	6971872	1,900	1,200	293	West	No	3,000	13
6/28/2022	AWAR 8	545273	6971872	1,400	1,100	300	West	NA	3,000	13
6/28/2022	AWAR 8	545273	6971872	2,400	2,100	301	West	NA	4,000	13
6/29/2022	AWAR 12	546980	6973753	100	100	115	West	No	1	5
6/29/2022	AWAR 10	546394	6972664	750	500	NA	West	Yes	21	5
6/29/2022	AWAR 10	546394	6972664	670	670	125	East	NA	24	5
6/29/2022	AWAR 10	546394	6972664	680	235	NA	East	NA	30	5
6/29/2022	AWAR 12	547215	6974157	2,000	2,000	90	East	No	>1,000	7
6/29/2022	AWAR 12	547215	6974157	2,000	2,000	90	East	NA	>1,000	7
6/29/2022	AWAR 18	546307	6979464	1,130	850	300	West	No	400	7
6/29/2022	AWAR 20	545463	6980811	200	200	223	West	NA	34	7
6/29/2022	AWAR 20	545463	6980811	150	200	127	West	NA	16	8
6/29/2022	AWAR 20	545463	6980811	750	500	170	West	No	150	8
6/29/2022	AWAR 20	545463	6980811	750	300	140	West	Yes	150	8
6/30/2022	AWAR 11	547033	6973831	400	400	283	West	NA	1	9
6/30/2022	AWAR	547913	6977966	1,100	800	NA	West	Yes	9	12
7/1/2022	AWAR 22	544672	6981799	1,500	150	0	West	NA	1	16
7/3/2022	AWAR 27	540964	6985832	2,000	1,600	187	West	No	501-1,000	13
7/3/2022	AWAR 25	541977	6984618	1,400	1,600	234	West	No	501-1,000	13
7/3/2022	AWAR 25	541977	6984618	1,400	1,600	234	West	No	501-1,000	13
7/1/2022	AWAR KM 11	546145	6973689	300-1,000	300	90	East	Yes	2	14
7/1/2022	AWAR KM 22	544672	6981799	100-300	150	15	East	No	1	16
7/1/2022	AWAR KM 22	544357	6982279	100-300	300	90	East	No	1	17
7/3/2022	AWAR KM 15	547881	6976910	100-300	10	30	West	Yes	2	12
7/3/2022	AWAR KM 27	540685	6985944	>1,000	2,000	270	West	No	501-1,000	18
7/4/2022	AWAR KM 15	547439	6977154	>1,000	500	190	West	No	101-200	10

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Wind Speed (km/h)	Wind Direction (°)	Road Height (cm)	Road Width (cm)	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)
6/27/2022	AWAR 19	25	315	100	200	0	0	0	4	0	0
6/28/2022	AWAR 12	17	330	100	200	25	7	0	3	0	0
6/28/2022	AWAR 13	17	330	100	200	27	0	0	1	0	2
6/28/2022	AWAR 12	17	330	100	200	0	0	0	0	0	30
6/28/2022	AWAR 10	11	330	100	200	22	1	0	4	1	2
6/28/2022	AWAR 12	11	330	100	200	13	15	1	1	0	0
6/28/2022	AWAR 10	11	330	100	200	18	3	0	8	0	2
6/28/2022	AWAR 12	11	330	100	200	25	0	0	4	0	2
6/28/2022	AWAR 8	22	330	150	200	4	20	0	8	0	0
6/28/2022	AWAR 8	22	330	150	200	15	10	1	6	0	0
6/28/2022	AWAR 8	22	330	150	200	0	0	0	15	1	15
6/28/2022	AWAR 8	22	330	100	150	9	0	0	15	0	0
6/28/2022	AWAR 8	22	330	100	150	18	12	1	0	0	0
6/29/2022	AWAR 12	18	300	100	300	0	0	0	0	1	0
6/29/2022	AWAR 10	18	300	100	200	1	0	0	21	0	0
6/29/2022	AWAR 10	18	300	150	NA	21	0	0	1	0	2
6/29/2022	AWAR 10	18	300	150	200	0	0	0	3	0	20
6/29/2022	AWAR 12	16	300	150	200	17	13	0	0	0	0
6/29/2022	AWAR 12	16	300	150	200	11	19	0	0	0	0
6/29/2022	AWAR 18	15	300	200	900	12	10	0	10	0	0
6/29/2022	AWAR 20	15	300	100	200	13	1	0	13	3	4
6/29/2022	AWAR 20	10	300	150	200	13	0	0	1	2	0
6/29/2022	AWAR 20	10	300	150	200	20	12	1	6	4	2
6/29/2022	AWAR 20	10	300	150	200	25	0	0	6	2	NA
6/30/2022	AWAR 11	11	270	200	200	0	0	0	0	1	0
6/30/2022	AWAR	15	NW	NA	NA	2	0	0	5	0	2
7/1/2022	AWAR 22	20	270	150	150	0	0	0	1	0	0
7/3/2022	AWAR 27	9	N	NA	NA	4	0	0	26	1	8
7/3/2022	AWAR 25	9	N	NA	NA	18	3	0	2	0	1
7/3/2022	AWAR 25	9	N	NA	NA	6	0	0	20	0	5
7/1/2022	AWAR KM 11	8	0	100	100	0	0	0	0	1	0
7/1/2022	AWAR KM 22	20	270	160	300	0	0	0	0	1	0
7/1/2022	AWAR KM 22	20	75	100	250	0	1	0	0	0	0
7/3/2022	AWAR KM 15	18	90	200	250	0	0	0	0	0	2
7/3/2022	AWAR KM 27	20	195	2	2	40	0	0	2	0	0
7/4/2022	AWAR KM 15	20	90	100	150	28	0	0	5	4	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)	Comments (3 Minutes)
6/27/2022	AWAR 19	Walking away from the road	0	0	0	4	0	0	NA
6/28/2022	AWAR 12	NA	24	6	0	5	0	0	NA
6/28/2022	AWAR 13	NA	26	0	0	4	0	0	NA
6/28/2022	AWAR 12	NA	19	0	0	2	0	9	Disturbance from the first truck moved them away from the road
6/28/2022	AWAR 10	NA	20	0	0	8	0	2	NA
6/28/2022	AWAR 12	NA	10	15	0	4	0	0	NA
6/28/2022	AWAR 10	NA	16	6	0	7	1	0	NA
6/28/2022	AWAR 12	NA	23	0	0	4	0	3	NA
6/28/2022	AWAR 8	NA	5	10	0	15	0	0	NA
6/28/2022	AWAR 8	NA	20	9	1	2	1	0	NA
6/28/2022	AWAR 8	Moving from the road	2	10	1	3	0	0	Behind the hill
6/28/2022	AWAR 8	NA	29	0	0	1	0	0	Rain starting
6/28/2022	AWAR 8	NA	23	6	0	1	0	0	NA
6/29/2022	AWAR 12	NA	0	0	0	0	1	0	While eating
6/29/2022	AWAR 10	NA	7	0	0	13	1	21	NA
6/29/2022	AWAR 10	NA	15	0	0	7	2	0	Moving parallel to the road
6/29/2022	AWAR 10	NA	1	0	0	7	2	20	Moving away from road
6/29/2022	AWAR 12	NA	16	14	0	0	0	0	NA
6/29/2022	AWAR 12	NA	10	20	0	0	0	0	NA
6/29/2022	AWAR 18	Parallel to the road; walking North	16	13	1	1	0	0	NA
6/29/2022	AWAR 20	NA	21	1	0	10	1	0	Group merged with more caribou from the West
6/29/2022	AWAR 20	NA	14	0	1	1	0	0	Nursing
6/29/2022	AWAR 20	NA	13	13	0	5	1	0	NA
6/29/2022	AWAR 20	Caribou seeing convoy at KM 16	25	0	0	5	1	4	Caribou looking towards convoy
6/30/2022	AWAR 11	NA	0	0	0	0	0	1	Towards the road
6/30/2022	AWAR	Walking towards the road	6	0	0	3	0	0	NA
7/1/2022	AWAR 22	NA	0	0	1	0	0	0	Nursing
7/3/2022	AWAR 27	NA	12	0	0	17	0	7	NA
7/3/2022	AWAR 25	NA	22	2	0	0	0	0	NA
7/3/2022	AWAR 25	Walking North parallel to the road	10	0	0	17	0	4	NA
7/1/2022	AWAR KM 11	Parallel to the road	0	0	0	1	0	1	Met with other lone caribou
7/1/2022	AWAR KM 22	NA	0	0	0	0	0	1	NA
7/1/2022	AWAR KM 22	Cow with calf	0	1	0	0	0	0	NA
7/3/2022	AWAR KM 15	NA	0	0	0	0	0	0	Out of sight
7/3/2022	AWAR KM 27	10 yoy	33	2	0	4	0	0	10 yoy
7/4/2022	AWAR KM 15	Hunter kill before survey start (30 min)	1	0	0	11	NA	2	Going South over ridge

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Comments (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)
6/27/2022	AWAR 19	0	0	0	4	0	0	Walking out of sight	NA	NA	NA	NA
6/28/2022	AWAR 12	16	8	0	11	0	0	Walking South parallel to the road	18	3	0	12
6/28/2022	AWAR 13	25	0	0	4	0	1	NA	25	0	0	4
6/28/2022	AWAR 12	20	0	0	6	1	5	NA	25	0	0	5
6/28/2022	AWAR 10	17	0	0	10	0	3	Walking South parallel to the road	27	1	0	1
6/28/2022	AWAR 12	8	9	0	13	0	0	Walking North parallel to the road	8	5	0	20
6/28/2022	AWAR 10	22	0	0	3	2	3	NA	20	0	0	3
6/28/2022	AWAR 12	25	0	0	4	0	1	NA	30	0	0	1
6/28/2022	AWAR 8	5	10	0	12	2	1	NA	16	6	0	5
6/28/2022	AWAR 8	20	11	1	2	0	0	NA	19	16	0	3
6/28/2022	AWAR 8	1	0	0	5	2	1	Out of sight away from the road	NA	NA	NA	NA
6/28/2022	AWAR 8	18	0	0	1	0	0	NA	24	0	0	8
6/28/2022	AWAR 8	22	8	0	0	0	0	NA	10	19	0	0
6/29/2022	AWAR 12	0	0	0	0	1	0	While eating	0	0	0	0
6/29/2022	AWAR 10	0	0	0	15	2	5	Moving throughout the road	0	0	0	15
6/29/2022	AWAR 10	19	0	0	2	1	2	NA	8	0	0	8
6/29/2022	AWAR 10	13	0	0	3	0	10	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	16	14	0	0	0	0	NA	6	14	0	0
6/29/2022	AWAR 12	15	15	0	0	0	0	NA	14	21	0	0
6/29/2022	AWAR 18	14	15	0	3	0	0	NA	12	15	0	3
6/29/2022	AWAR 20	25	0	0	9	1	2	NA	24	0	0	9
6/29/2022	AWAR 20	13	0	0	2	0	0	Walking away from the road	14	0	0	2
6/29/2022	AWAR 20	15	10	0	10	0	0	Walking South parallel to the road	12	7	2	15
6/29/2022	AWAR 20	25	0	0	5	0	3	Convoy parked at KM 18	32	0	0	9
6/30/2022	AWAR 11	0	0	0	1	0	0	Along road (in circles)	1	0	0	0
6/30/2022	AWAR	0	0	0	6	0	3	NA	0	0	0	0
7/1/2022	AWAR 22	0	0	0	0	1	0	Feeding/Alert	1	0	0	0
7/3/2022	AWAR 27	13	0	0	16	0	2	NA	30	0	0	2
7/3/2022	AWAR 25	16	3	0	0	0	0	NA	16	1	0	0
7/3/2022	AWAR 25	6	0	0	17	1	3	NA	23	0	0	8
7/1/2022	AWAR KM 11	0	0	0	1	0	1	NA	1	0	1	0
7/1/2022	AWAR KM 22	0	0	0	0	0	1	NA	0	0	0	0
7/1/2022	AWAR KM 22	0	1	0	0	0	0	NA	0	0	0	0
7/3/2022	AWAR KM 15	0	0	0	0	0	0	Out of sight	0	0	0	0
7/3/2022	AWAR KM 27	36	2	0	1	1	0	9 yoy	35	3	0	0
7/4/2022	AWAR KM 15	0	0	0	0	0	0	NA	0	0	0	7

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (9 Minutes)	Trotting (9 Minutes)	Comments (9 Minutes)	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)
6/27/2022	AWAR 19	NA	NA	Out of sight	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	2	0	NA	14	7	0	13	1	0
6/28/2022	AWAR 13	1	0	NA	18	0	0	10	1	1
6/28/2022	AWAR 12	0	0	NA	21	0	1	2	0	1
6/28/2022	AWAR 10	1	0	NA	24	2	0	3	1	2
6/28/2022	AWAR 12	1	3	NA	12	5	0	19	0	7
6/28/2022	AWAR 10	2	6	NA	16	0	0	8	1	5
6/28/2022	AWAR 12	0	0	NA	21	0	0	6	0	3
6/28/2022	AWAR 8	0	0	Larger group (1,500) reached the survey group	11	0	0	13	0	6
6/28/2022	AWAR 8	0	0	NA	15	16	0	2	2	0
6/28/2022	AWAR 8	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	0	0	Walking towards the road	20	0	0	8	4	1
6/28/2022	AWAR 8	1	0	NA	11	16	1	1	1	0
6/29/2022	AWAR 12	1	0	While eating, staying near the road	0	0	0	0	1	0
6/29/2022	AWAR 10	2	5	NA	5	0	0	17	0	0
6/29/2022	AWAR 10	0	0	NA	6	0	0	10	1	5
6/29/2022	AWAR 10	NA	NA	8 min; out of sight	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	0	0	NA	13	17	0	0	0	0
6/29/2022	AWAR 12	0	0	Convoy passing	20	11	0	0	1	0
6/29/2022	AWAR 18	0	0	NA	12	14	0	9	0	0
6/29/2022	AWAR 20	0	1	Walking towards the road	28	0	0	4	0	1
6/29/2022	AWAR 20	0	0	NA	10	0	0	3	0	0
6/29/2022	AWAR 20	0	0	Walking out of sight	4	9	1	13	3	7
6/29/2022	AWAR 20	0	0	NA	27	0	0	8	0	0
6/30/2022	AWAR 11	0	0	NA	1	0	0	0	0	0
6/30/2022	AWAR	0	0	We moved	0	0	0	5	2	2
7/1/2022	AWAR 22	0	0	NA	0	1	0	0	0	0
7/3/2022	AWAR 27	0	1	NA	30	0	0	1	0	1
7/3/2022	AWAR 25	0	0	NA	20	2	0	0	0	0
7/3/2022	AWAR 25	0	3	NA	23	0	0	6	0	3
7/1/2022	AWAR KM 11	0	0	NA	2	0	0	0	0	0
7/1/2022	AWAR KM 22	0	1	NA	0	0	0	0	0	1
7/1/2022	AWAR KM 22	0	1	NA	0	0	0	0	0	0
7/3/2022	AWAR KM 15	0	0	Out of sight	0	0	0	0	0	0
7/3/2022	AWAR KM 27	0	1	9 yoy	34	6	0	0	0	0
7/4/2022	AWAR KM 15	0	0	Main group out of sight	0	0	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)	Trotting (15 Minutes)
6/27/2022	AWAR 19	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	17	2	0	17	0	0
6/28/2022	AWAR 13	NA	18	0	0	6	1	7
6/28/2022	AWAR 12	NA	26	0	0	3	0	1
6/28/2022	AWAR 10	1 nursing	24	3	0	3	0	0
6/28/2022	AWAR 12	NA	10	3	0	14	0	0
6/28/2022	AWAR 10	NA	15	0	0	2	2	3
6/28/2022	AWAR 12	NA	25	0	0	2	0	3
6/28/2022	AWAR 8	NA	21	0	0	8	0	1
6/28/2022	AWAR 8	NA	16	8	2	9	0	0
6/28/2022	AWAR 8	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	Convoy passing	23	0	0	4	4	1
6/28/2022	AWAR 8	NA	12	17	0	1	0	0
6/29/2022	AWAR 12	NA	0	0	0	0	0	1
6/29/2022	AWAR 10	11 min; crossed the road	0	0	0	0	0	22
6/29/2022	AWAR 10	NA	2	0	0	5	4	13
6/29/2022	AWAR 10	NA	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	NA	8	22	0	0	0	0
6/29/2022	AWAR 12	NA	11	13	0	4	1	1
6/29/2022	AWAR 18	Walking out of sight	15	15	1	1	0	0
6/29/2022	AWAR 20	Group now 150 large	30	0	0	6	1	0
6/29/2022	AWAR 20	Walking to the road	8	0	0	1	1	0
6/29/2022	AWAR 20	NA	7	8	0	20	2	0
6/29/2022	AWAR 20	Some crossing roads at KM 19	30	0	0	8	0	0
6/30/2022	AWAR 11	NA	1	0	0	0	0	0
6/30/2022	AWAR	NA	0	0	0	0	2	2
7/1/2022	AWAR 22	NA	0	1	0	0	0	0
7/3/2022	AWAR 27	NA	30	1	0	0	0	0
7/3/2022	AWAR 25	NA	18	1	0	1	1	3
7/3/2022	AWAR 25	NA	27	0	0	5	0	0
7/1/2022	AWAR KM 11	NA	2	0	0	0	0	0
7/1/2022	AWAR KM 22	NA	0	0	0	0	0	1
7/1/2022	AWAR KM 22	Out of sight	0	0	0	0	0	0
7/3/2022	AWAR KM 15	Out of sight	0	0	0	0	0	0
7/3/2022	AWAR KM 27	Another herd walking toward North mine; some behind running to reach group; our survey not on those groups	36	5	0	0	0	0
7/4/2022	AWAR KM 15	Out of sight	0	0	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Comments (18 Minutes)
6/27/2022	AWAR 19	NA	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	15	1	0	18	1	0	NA
6/28/2022	AWAR 13	Walking throughout the road	14	0	0	8	0	8	NA
6/28/2022	AWAR 12	NA	24	0	0	5	0	1	NA
6/28/2022	AWAR 10	NA	21	0	0	4	2	3	NA
6/28/2022	AWAR 12	NA	15	3	0	10	0	0	NA
6/28/2022	AWAR 10	NA	20	0	0	5	1	4	NA
6/28/2022	AWAR 12	NA	26	0	0	1	0	3	NA
6/28/2022	AWAR 8	NA	18	0	0	8	0	5	NA
6/28/2022	AWAR 8	NA	4	5	2	21	0	1	Moving South parallel from the road
6/28/2022	AWAR 8	NA	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	Walking towards the road	19	0	1	13	1	1	NA
6/28/2022	AWAR 8	NA	10	20	0	0	0	0	NA
6/29/2022	AWAR 12	Parallel to the road	1	0	0	0	0	0	NA
6/29/2022	AWAR 10	NA	0	0	0	0	0	0	Group out of sight
6/29/2022	AWAR 10	Moving parallel to the road	7	0	0	9	3	2	NA
6/29/2022	AWAR 10	NA	NA	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	NA	15	15	0	0	0	0	NA
6/29/2022	AWAR 12	Convoy finished passing	16	13	0	1	0	0	NA
6/29/2022	AWAR 18	1 nursing (entered as standing)	18	15	0	0	0	0	NA
6/29/2022	AWAR 20	NA	30	0	0	4	0	0	NA
6/29/2022	AWAR 20	NA	8	1	0	0	0	0	NA
6/29/2022	AWAR 20	NA	6	12	0	13	1	0	NA
6/29/2022	AWAR 20	Walking towards the road	36	0	0	5	0	0	NA
6/30/2022	AWAR 11	NA	1	0	0	0	0	0	NA
6/30/2022	AWAR	Crossing the road at KM 17	0	0	0	0	0	0	We moved
7/1/2022	AWAR 22	NA	0	1	0	0	0	0	NA
7/3/2022	AWAR 27	NA	30	2	0	0	1	0	NA
7/3/2022	AWAR 25	NA	3	0	0	10	0	4	Unknown disturbance
7/3/2022	AWAR 25	NA	29	0	0	3	0	1	NA
7/1/2022	AWAR KM 11	NA	2	0	0	0	0	0	NA
7/1/2022	AWAR KM 22	NA	0	0	0	0	0	1	NA
7/1/2022	AWAR KM 22	Out of sight	0	0	0	0	0	0	Out of sight
7/3/2022	AWAR KM 15	Out of sight	0	0	0	0	0	0	Out of sight
7/3/2022	AWAR KM 27	9 yoy	27	2	0	6	0	0	11 yoy
7/4/2022	AWAR KM 15	Out of sight	0	0	0	0	0	0	Out of sight

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)	Alert (21 Minutes)	Trotting (21 Minutes)	Comments (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)
6/27/2022	AWAR 19	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	8	0	0	23	0	4	NA	0	0
6/28/2022	AWAR 13	20	0	0	4	1	5	NA	27	0
6/28/2022	AWAR 12	20	0	0	10	0	0	NA	29	0
6/28/2022	AWAR 10	3	1	0	20	5	2	NA	1	0
6/28/2022	AWAR 12	20	3	0	15	0	3	NA	20	3
6/28/2022	AWAR 10	22	3	0	3	2	NA	Convoy closer to the group	20	5
6/28/2022	AWAR 12	25	0	0	2	0	3	NA	12	0
6/28/2022	AWAR 8	21	0	0	6	3	0	NA	26	0
6/28/2022	AWAR 8	5	0	0	13	0	20	NA	0	0
6/28/2022	AWAR 8	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	9	0	0	9	1	15	Towards road; unknown reason	16	1
6/28/2022	AWAR 8	0	0	0	0	0	30	Running away from the road	7	0
6/29/2022	AWAR 12	0	0	0	0	1	0	Started running parallel to the road	0	0
6/29/2022	AWAR 10	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 10	1	0	0	1	1	0	NA	1	0
6/29/2022	AWAR 10	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	14	16	0	0	0	0	NA	9	20
6/29/2022	AWAR 12	18	12	0	0	0	0	NA	18	11
6/29/2022	AWAR 18	16	17	1	0	0	0	NA	11	18
6/29/2022	AWAR 20	30	0	0	8	1	0	Spreading out in all directions	28	1
6/29/2022	AWAR 20	6	1	0	1	1	0	NA	7	1
6/29/2022	AWAR 20	5	5	0	21	0	0	Reappearing close to the rpad	3	1
6/29/2022	AWAR 20	38	0	0	6	1	0	NA	23	1
6/30/2022	AWAR 11	1	0	0	0	0	0	NA	1	0
6/30/2022	AWAR	0	0	0	0	0	9	NA	NA	NA
7/1/2022	AWAR 22	0	1	0	0	0	0	NA	0	1
7/3/2022	AWAR 27	29	4	0	3	0	0	NA	26	2
7/3/2022	AWAR 25	8	0	0	12	0	0	Travelling parallel to the road	17	0
7/3/2022	AWAR 25	27	0	0	3	0	1	NA	0	0
7/1/2022	AWAR KM 11	0	0	0	2	0	0	Walking away from the road	2	0
7/1/2022	AWAR KM 22	0	0	0	0	0	0	Out of sight	0	0
7/1/2022	AWAR KM 22	0	0	0	0	0	0	Out of sight	0	0
7/3/2022	AWAR KM 15	0	0	0	0	0	0	Out of sight	0	0
7/3/2022	AWAR KM 27	24	7	0	1	0	0	7 yoy	18	2
7/4/2022	AWAR KM 15	0	0	0	0	0	0	Out of sight	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Comments (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)	Walking (27 Minutes)
6/27/2022	AWAR 19	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	0	19	1	15	2 small sub-groups running through the road	2	0	0	15
6/28/2022	AWAR 13	0	1	0	3	NA	28	0	0	0
6/28/2022	AWAR 12	0	1	0	0	NA	29	0	0	0
6/28/2022	AWAR 10	0	18	4	7	NA	11	0	0	6
6/28/2022	AWAR 12	0	10	3	2	NA	25	0	0	6
6/28/2022	AWAR 10	0	2	3	1	Convoy at bridge 8	20	5	0	5
6/28/2022	AWAR 12	0	8	0	11	NA	20	0	0	5
6/28/2022	AWAR 8	0	4	0	0	NA	30	0	0	0
6/28/2022	AWAR 8	0	2	0	30	Hunting	3	0	0	21
6/28/2022	AWAR 8	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	0	5	0	15	Towards the road; following friends	19	0	0	8
6/28/2022	AWAR 8	0	5	0	19	NA	20	3	0	7
6/29/2022	AWAR 12	0	0	0	1	Running; not trotting away from the road	2	0	0	0
6/29/2022	AWAR 10	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 10	0	5	1	0	NA	10	0	0	5
6/29/2022	AWAR 10	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	0	1	0	0	NA	8	22	0	0
6/29/2022	AWAR 12	0	0	1	0	NA	22	8	0	0
6/29/2022	AWAR 18	0	0	2	0	NA	8	21	0	3
6/29/2022	AWAR 20	1	6	0	0	NA	25	2	0	8
6/29/2022	AWAR 20	0	0	0	0	NA	5	1	0	1
6/29/2022	AWAR 20	1	27	0	0	NA	20	0	0	20
6/29/2022	AWAR 20	1	9	0	1	6 crossed the road	32	2	0	4
6/30/2022	AWAR 11	0	0	0	0	NA	1	0	0	0
6/30/2022	AWAR	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/1/2022	AWAR 22	0	0	0	0	NA	0	1	0	0
7/3/2022	AWAR 27	0	6	0	0	NA	25	2	0	3
7/3/2022	AWAR 25	0	2	0	0	NA	20	0	0	2
7/3/2022	AWAR 25	0	0	0	0	NA	14	0	0	22
7/1/2022	AWAR KM 11	0	0	0	0	NA	2	0	0	0
7/1/2022	AWAR KM 22	0	0	0	0	Out of sight	0	0	0	0
7/1/2022	AWAR KM 22	0	0	0	0	Out of sight	0	0	0	0
7/3/2022	AWAR KM 15	0	0	0	0	Out of sight	0	0	0	0
7/3/2022	AWAR KM 27	0	13	0	0	10 yoy	17	3	0	8
7/4/2022	AWAR KM 15	0	0	0	0	Out of sight	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (27 Minutes)	Trotting (27 Minutes)	Comments (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
6/27/2022	AWAR 19	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	2	16	NA	13	0	0	13	1	8
6/28/2022	AWAR 13	0	2	NA	20	0	0	7	0	4
6/28/2022	AWAR 12	1	0	NA	26	0	0	3	1	0
6/28/2022	AWAR 10	2	11	NA	13	0	0	11	0	6
6/28/2022	AWAR 12	1	1	NA	21	0	5	0	4	NA
6/28/2022	AWAR 10	0	0	NA	15	5	0	10	0	0
6/28/2022	AWAR 12	0	5	NA	21	0	0	6	0	3
6/28/2022	AWAR 8	0	0	NA	29	0	0	1	0	0
6/28/2022	AWAR 8	2	10	Moving away from the road; going West	20	2	0	15	3	4
6/28/2022	AWAR 8	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	0	10	NA	17	0	0	15	2	4
6/28/2022	AWAR 8	0	0	NA	18	6	0	5	0	1
6/29/2022	AWAR 12	0	0	United with other solo caribou	1	1	0	0	0	0
6/29/2022	AWAR 10	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 10	1	0	Moving to the road	0	0	0	20	0	0
6/29/2022	AWAR 10	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	0	0	NA	7	23	0	0	0	0
6/29/2022	AWAR 12	0	0	NA	16	14	0	0	0	0
6/29/2022	AWAR 18	0	0	NA	11	13	0	4	0	0
6/29/2022	AWAR 20	0	4	NA	30	1	0	5	0	0
6/29/2022	AWAR 20	0	0	Little group at 5 m from the road	8	1	0	0	0	0
6/29/2022	AWAR 20	0	2	NA	25	0	0	14	1	3
6/29/2022	AWAR 20	1	0	NA	25	0	0	8	0	5
6/30/2022	AWAR 11	0	0	NA	0	0	0	0	0	1
6/30/2022	AWAR	NA	NA	NA	NA	NA	NA	NA	NA	NA
7/1/2022	AWAR 22	0	0	NA	0	1	0	0	0	0
7/3/2022	AWAR 27	0	0	NA	30	2	0	1	0	0
7/3/2022	AWAR 25	0	0	NA	15	0	0	0	0	2
7/3/2022	AWAR 25	0	3	NA	11	0	0	11	0	8
7/1/2022	AWAR KM 11	0	0	0	1	0	0	1	0	0
7/1/2022	AWAR KM 22	0	0	Out of sight	0	0	0	0	0	0
7/1/2022	AWAR KM 22	0	0	Out of sight	0	0	0	0	0	0
7/3/2022	AWAR KM 15	0	0	Out of sight	0	0	0	0	0	0
7/3/2022	AWAR KM 27	0	1	4 yoy	33	5	0	5	0	0
7/4/2022	AWAR KM 15	0	0	Out of sight	0	0	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (30 Minutes)	Disturbance (0 Minutes)	Disturbance Comments (0 Minutes)
6/27/2022	AWAR 19	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA
6/28/2022	AWAR 13	NA	NA	NA
6/28/2022	AWAR 12	NA	Light Truck	800 m from the group at 1 min
6/28/2022	AWAR 10	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA
6/28/2022	AWAR 10	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	NA
6/28/2022	AWAR 8	NA	Light Truck	On tundra; moving towards the herd
6/28/2022	AWAR 8	NA	Light Truck	Slow moving pesky SUV
6/28/2022	AWAR 8	NA	NA	NA
6/29/2022	AWAR 12	NA	Light Truck	Own truck
6/29/2022	AWAR 10	NA	NA	NA
6/29/2022	AWAR 10	Crossed the road at KM 31	NA	NA
6/29/2022	AWAR 10	NA	NA	NA
6/29/2022	AWAR 12	NA	NA	NA
6/29/2022	AWAR 12	NA	NA	NA
6/29/2022	AWAR 18	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA
6/29/2022	AWAR 20	NA	2 Light Trucks, 6 Buses, and 1 Tractor Trailer	Caribou detected convoy
6/30/2022	AWAR 11	NA	Light Truck	Own vehicle; slow
6/30/2022	AWAR	NA	Light Truck	When we arrived
7/1/2022	AWAR 22	NA	NA	NA
7/3/2022	AWAR 27	NA	NA	NA
7/3/2022	AWAR 25	NA	NA	NA
7/3/2022	AWAR 25	NA	NA	NA
7/1/2022	AWAR KM 11	NA	Light Truck	Own vehicle
7/1/2022	AWAR KM 22	Out of sight	Light Truck	Own vehicle
7/1/2022	AWAR KM 22	NA	NA	NA
7/3/2022	AWAR KM 15	Out of sight	Light Truck	Own truck
7/3/2022	AWAR KM 27	12 yoy; most of them are on the move North, but sampling stranglers	NA	NA
7/4/2022	AWAR KM 15	Out of sight	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (3 Minutes)	Disturbance Comments (3 Minutes)	Disturbance (6 Minutes)	Disturbance Comments (6 Minutes)
6/27/2022	AWAR 19	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA	NA
6/28/2022	AWAR 13	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA	NA
6/28/2022	AWAR 10	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA	NA
6/28/2022	AWAR 10	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	NA	NA
6/28/2022	AWAR 8	light truck	Very, very slow	NA	NA
6/28/2022	AWAR 8	NA	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	3 Light Trucks, 6 Buses, 1 Tractor Trailer	Convoy at 15 km/h (7 to 18 min)
6/28/2022	AWAR 8	NA	NA	NA	NA
6/29/2022	AWAR 12	NA	NA	Light Truck	Other AEM survey truck (slow)
6/29/2022	AWAR 10	NA	NA	NA	NA
6/29/2022	AWAR 10	NA	NA	NA	NA
6/29/2022	AWAR 10	NA	NA	NA	NA
6/29/2022	AWAR 12	NA	NA	NA	NA
6/29/2022	AWAR 12	NA	NA	2 Light Trucks, 6 Buses	Going South; 10-15 km/h at 5 min
6/29/2022	AWAR 18	NA	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	ATV	Fast; stopped at survey at 7 min
6/29/2022	AWAR 20	NA	NA	NA	NA
6/30/2022	AWAR 11	NA	NA	NA	NA
6/30/2022	AWAR	NA	NA	NA	NA
7/1/2022	AWAR 22	NA	NA	NA	NA
7/3/2022	AWAR 27	NA	NA	NA	NA
7/3/2022	AWAR 25	NA	NA	NA	NA
7/3/2022	AWAR 25	NA	NA	NA	NA
7/1/2022	AWAR KM 11	Light Truck	NA	NA	NA
7/1/2022	AWAR KM 22	Light Truck	NA	NA	NA
7/1/2022	AWAR KM 22	NA	NA	NA	NA
7/3/2022	AWAR KM 15	Light Truck	NA	NA	NA
7/3/2022	AWAR KM 27	NA	NA	NA	NA
7/4/2022	AWAR KM 15	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (9 Minutes)	Date	Survey Location	Disturbance Comments (9 Minutes)	Disturbance (12 Minutes)	Disturbance Comments (12 Minutes)
6/27/2022	AWAR 19	NA	6/27/2022	AWAR 19	NA	NA	NA
6/28/2022	AWAR 12	NA	6/28/2022	AWAR 12	NA	NA	NA
6/28/2022	AWAR 13	NA	6/28/2022	AWAR 13	NA	NA	NA
6/28/2022	AWAR 12	Light Truck	6/28/2022	AWAR 12	1,600 m from the group	NA	NA
6/28/2022	AWAR 10	NA	6/28/2022	AWAR 10	NA	NA	NA
6/28/2022	AWAR 12	4 Light Trucks, 6 Buses, 1 Tractor Trailer	6/28/2022	AWAR 12	8 to 15 min convoy going at about 10 km/h	NA	NA
6/28/2022	AWAR 10	2 Light Trucks, 6 Buses	6/28/2022	AWAR 10	Convoy going South at KM 12 at 10 km/h	NA	NA
6/28/2022	AWAR 12	NA	6/28/2022	AWAR 12	NA	NA	NA
6/28/2022	AWAR 8	NA	6/28/2022	AWAR 8	NA	ATV	Coming West through the group
6/28/2022	AWAR 8	NA	6/28/2022	AWAR 8	NA	NA	NA
6/28/2022	AWAR 8	NA	6/28/2022	AWAR 8	NA	NA	NA
6/28/2022	AWAR 8	NA	6/28/2022	AWAR 8	NA	NA	NA
6/28/2022	AWAR 8	NA	6/28/2022	AWAR 8	NA	NA	NA
6/29/2022	AWAR 12	NA	6/29/2022	AWAR 12	NA	NA	NA
6/29/2022	AWAR 10	NA	6/29/2022	AWAR 10	NA	NA	NA
6/29/2022	AWAR 10	NA	6/29/2022	AWAR 10	NA	NA	NA
6/29/2022	AWAR 10	NA	6/29/2022	AWAR 10	NA	NA	NA
6/29/2022	AWAR 12	NA	6/29/2022	AWAR 12	NA	NA	NA
6/29/2022	AWAR 12	NA	6/29/2022	AWAR 12	NA	NA	NA
6/29/2022	AWAR 18	NA	6/29/2022	AWAR 18	NA	NA	NA
6/29/2022	AWAR 20	NA	6/29/2022	AWAR 20	NA	NA	NA
6/29/2022	AWAR 20	NA	6/29/2022	AWAR 20	NA	NA	NA
6/29/2022	AWAR 20	NA	6/29/2022	AWAR 20	NA	NA	NA
6/29/2022	AWAR 20	NA	6/29/2022	AWAR 20	NA	NA	NA
6/30/2022	AWAR 11	NA	6/30/2022	AWAR 11	NA	NA	NA
6/30/2022	AWAR	Light Truck	6/30/2022	AWAR	Changed our position for a better view	NA	NA
7/1/2022	AWAR 22	NA	7/1/2022	AWAR 22	NA	NA	NA
7/3/2022	AWAR 27	NA	7/3/2022	AWAR 27	NA	NA	NA
7/3/2022	AWAR 25	NA	7/3/2022	AWAR 25	NA	NA	NA
7/3/2022	AWAR 25	NA	7/3/2022	AWAR 25	NA	NA	NA
7/1/2022	AWAR KM 11	NA	7/1/2022	AWAR KM 11	NA	NA	NA
7/1/2022	AWAR KM 22	NA	7/1/2022	AWAR KM 22	NA	NA	NA
7/1/2022	AWAR KM 22	Light Truck	7/1/2022	AWAR KM 22	NA	Light Truck	Convoy
7/3/2022	AWAR KM 15	NA	7/3/2022	AWAR KM 15	NA	NA	NA
7/3/2022	AWAR KM 27	NA	7/3/2022	AWAR KM 27	NA	NA	NA
7/4/2022	AWAR KM 15	NA	7/4/2022	AWAR KM 15	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (15 Minutes)	Disturbance Comments (15 Minutes)	Disturbance (18 Minutes)	Disturbance Comments (18 Minutes)	Disturbance (21 Minutes)	Disturbance Comments (21 Minutes)
6/27/2022	AWAR 19	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 13	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 10	NA	NA	NA	NA	Light Truck	HTO leaving KM 10 to go to Rankin Inlet
6/28/2022	AWAR 12	Light Truck	Stopped at KM 10 until 18 min	NA	NA	2 ATVs	NA
6/28/2022	AWAR 10	Light Truck	Pickup going North at KM 8	NA	NA	2 ATVs	Going North at KM 8
6/28/2022	AWAR 12	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	ATV (Hunter)	Gunshot herded (19 min)	NA	NA
6/28/2022	AWAR 8	NA	NA	NA	NA	Aircraft	Plane noise; very scary (22 min)
6/28/2022	AWAR 8	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	3 ATV	Going South at 19 min	NA	NA
6/29/2022	AWAR 12	NA	NA	NA	NA	Light Truck	Gatehouse crew change (fast)
6/29/2022	AWAR 10	Light Truck	Going North	NA	NA	NA	NA
6/29/2022	AWAR 10	Light Truck	Slow survey vehicle	NA	NA	NA	NA
6/29/2022	AWAR 10	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 18	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA	NA	NA	NA
6/30/2022	AWAR 11	NA	NA	NA	NA	NA	NA
6/30/2022	AWAR	NA	NA	Light Truck	Changed our position for a better view	NA	NA
7/1/2022	AWAR 22	NA	NA	NA	NA	NA	NA
7/3/2022	AWAR 27	Light Truck	Pickup truck real slow at 10 km/h	NA	NA	NA	NA
7/3/2022	AWAR 25	NA	NA	NA	NA	NA	NA
7/3/2022	AWAR 25	NA	NA	NA	NA	NA	NA
7/1/2022	AWAR KM 11	NA	NA	NA	NA	NA	NA
7/1/2022	AWAR KM 22	NA	NA	NA	NA	NA	NA
7/1/2022	AWAR KM 22	Light Truck	Convoy	Light Truck	NA	NA	NA
7/3/2022	AWAR KM 15	NA	NA	NA	NA	NA	NA
7/3/2022	AWAR KM 27	NA	NA	NA	NA	NA	NA
7/4/2022	AWAR KM 15	NA	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (24 Minutes)	Disturbance Comments (24 Minutes)	Disturbance (27 Minutes)	Disturbance Comments (27 Minutes)	Disturbance (30 Minutes)
6/27/2022	AWAR 19	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	Helicopter	At 23 min; helicopter went just over the survey group	NA	NA	NA
6/28/2022	AWAR 13	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA	NA	NA
6/28/2022	AWAR 10	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA	NA	NA
6/28/2022	AWAR 10	NA	NA	NA	NA	NA
6/28/2022	AWAR 12	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	ATV	KM 7; going North (speeding)	NA
6/28/2022	AWAR 8	Human	Hunting (people outside the pickup)	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	NA	NA	NA
6/28/2022	AWAR 8	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	NA	NA	NA	NA	NA
6/29/2022	AWAR 10	NA	NA	NA	NA	NA
6/29/2022	AWAR 10	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	NA	NA	NA	NA	NA
6/29/2022	AWAR 12	NA	NA	NA	NA	NA
6/29/2022	AWAR 18	ATV	Going North; slow (about 30 km/h)	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA	NA	NA
6/29/2022	AWAR 20	NA	NA	NA	NA	NA
6/30/2022	AWAR 11	NA	NA	NA	NA	Light Truck
6/30/2022	AWAR	NA	NA	NA	NA	NA
7/1/2022	AWAR 22	NA	NA	NA	NA	NA
7/3/2022	AWAR 27	NA	NA	NA	NA	NA
7/3/2022	AWAR 25	NA	NA	NA	NA	NA
7/3/2022	AWAR 25	NA	NA	NA	NA	NA
7/1/2022	AWAR KM 11	NA	NA	NA	NA	NA
7/1/2022	AWAR KM 22	NA	NA	NA	NA	NA
7/1/2022	AWAR KM 22	NA	NA	NA	NA	NA
7/3/2022	AWAR KM 15	NA	NA	NA	NA	NA
7/3/2022	AWAR KM 27	NA	NA	NA	NA	NA
7/4/2022	AWAR KM 15	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance Comments (30 Minutes)
6/27/2022	AWAR 19	NA
6/28/2022	AWAR 12	NA
6/28/2022	AWAR 13	NA
6/28/2022	AWAR 12	NA
6/28/2022	AWAR 10	NA
6/28/2022	AWAR 12	NA
6/28/2022	AWAR 10	NA
6/28/2022	AWAR 12	NA
6/28/2022	AWAR 8	NA
6/28/2022	AWAR 8	NA
6/28/2022	AWAR 8	NA
6/28/2022	AWAR 8	NA
6/28/2022	AWAR 8	NA
6/29/2022	AWAR 12	NA
6/29/2022	AWAR 10	NA
6/29/2022	AWAR 10	NA
6/29/2022	AWAR 10	NA
6/29/2022	AWAR 10	NA
6/29/2022	AWAR 12	NA
6/29/2022	AWAR 12	NA
6/29/2022	AWAR 18	NA
6/29/2022	AWAR 20	NA
6/29/2022	AWAR 20	NA
6/29/2022	AWAR 20	NA
6/29/2022	AWAR 20	NA
6/30/2022	AWAR 11	NA
6/30/2022	AWAR	NA
7/1/2022	AWAR 22	NA
7/3/2022	AWAR 27	NA
7/3/2022	AWAR 25	NA
7/3/2022	AWAR 25	NA
7/1/2022	AWAR KM 11	NA
7/1/2022	AWAR KM 22	NA
7/1/2022	AWAR KM 22	NA
7/3/2022	AWAR KM 15	NA
7/3/2022	AWAR KM 27	NA
7/4/2022	AWAR KM 15	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	UTM Easting	UTM Northing	Distance from Caribou to Observer Location (m)	Distance from Caribou to Infrastructure (m)	Bearing to Group (°)	Group East or West	Group Crossed Road	Group Size	Temperature (°C)
7/4/2022	AWAR KM 14	547714	6975265	300-1,000	0	180	West	Yes	101-200	14
7/6/2022	AWAR KM 23	543692	6983755	300-1,000	300	40	East	Yes	3	15
7/6/2022	AWAR KM 27	540755	6985951	300-1,000	500	180	West	No	1	15
7/6/2022	AWAR KM 24	543605	6983973	100-300	300	90	West	Yes	1	16
7/11/2022	AWAR KM 12	547002	6974268	300-1,000	400	90	East	No	201-500	10
7/11/2022	AWAR KM 12	547076	6974255	300-1,000	400	160	East	Yes	201-500	11
7/11/2022	AWAR KM 14	547734	6975270	>1,000	900	60	East	No	>1,000	10
7/11/2022	AWAR KM 12	547198	6974166	300-1,000	10	180	East	Yes	>1,000	10
7/11/2022	AWAR KM 12	546974	6974295	300-1,000	1,200	290	West	No	101-200	10
7/11/2022	AWAR KM 12	546944	6974293	300-1,000	5	180	East	No	>1,000	10
7/11/2022	AWAR KM 12	546944	6974293	300-1,000	800	180	East	No	>1,000	10
7/11/2022	AWAR KM 12	547093	6974248	300-1,000	1,000	90	East	Yes	>1,000	10
7/11/2022	AWAR KM 14	547870	6976210	>1,000	1,500	95	East	No	>1,000	10
7/12/2022	AWAR KM 27	540768	6985943	300-1,000	600	195	West	No	>1,000	8
7/12/2022	AWAR KM 27	540768	6985943	>1,000	1,000	120	East	No	>1,000	20
6/23/2022	AWAR KM 28	541406	6986957	100-300	NA	320	West	No	50-100	9
6/24/2022	AWAR KM 20	545452	6980816	300-1,000	50	180	East	Yes	201-500	10
6/24/2022	AWAR KM 17	547010	6978889	100-300	500	45	East	No	201-500	9
6/24/2022	AWAR KM 100 m	546173	6979861	0-50	NA	180	East	Yes	15	NA
6/24/2022	AWAR KM 21	545242	6980957	>1,000	NA	270	West	No	201-500	12
6/24/2022	AWAR KM 21	544835	6981569	300-1,000	NA	270	West	No	201-500	10
7/4/2020	AWAR KM 12	546967	6974303	NA	NA	300	West	No	35	14
7/4/2020	Mine Site	539676	6990311	NA	NA	NA	East	No	500	16
7/5/2020	Explo	540503	6988701	NA	NA	160	East	No	390	17
7/4/2020	AWAR KM 16	547348	6978368	NA	NA	285	West	No	45	14
7/4/2020	AWAR KM 12	546924	6974314	NA	NA	300	West	No	40	14
7/4/2020	Mine Site	539704	6990280	NA	NA	75	East	No	11	16
7/4/2020	Mine Site	546924	6978638	NA	NA	30	East	No	>1,000	14
7/6/2020	Dyno	537407	6990986	NA	NA	370	NA	No	25	19
7/6/2020	Dyno	537407	6990986	NA	NA	240	NA	No	8	19
7/6/2020	AWAR KM 26	542291	6984827	NA	NA	NA	West	No	71	13
7/6/2020	AWAR KM 23	543606	6983974	NA	NA	280	West	No	2	14
7/6/2020	AWAR KM 29	541510	6987399	NA	NA	45	West	No	>1,000	17
7/6/2020	AWAR KM 25	542291	6984835	NA	NA	80	East	No	30	16
7/6/2020	AWAR KM 23	543613	6983967	NA	NA	NA	East	No	200	17

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Wind Speed (km/h)	Wind Direction (°)	Road Height (cm)	Road Width (cm)	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)
7/4/2022	AWAR KM 14	24	165	200	300	0	0	1	2	0	15
7/6/2022	AWAR KM 23	5	15	200	300	1	0	0	0	0	0
7/6/2022	AWAR KM 27	8	15	200	250	0	0	0	0	0	1
7/6/2022	AWAR KM 24	11	15	240	200	1	0	0	0	0	0
7/11/2022	AWAR KM 12	4	55	150	200	16	25	0	5	0	0
7/11/2022	AWAR KM 12	7	55	150	200	2	0	0	17	5	0
7/11/2022	AWAR KM 14	12	50	240	180	0	0	0	NA	0	40
7/11/2022	AWAR KM 12	8	55	180	300	0	0	0	NA	0	31
7/11/2022	AWAR KM 12	9	55	200	300	0	0	0	0	0	150
7/11/2022	AWAR KM 12	20	45	100	200	11	0	0	8	0	6
7/11/2022	AWAR KM 12	15	55	180	250	38	0	0	2	3	0
7/11/2022	AWAR KM 12	14	55	220	260	NA	0	0	0	0	40
7/11/2022	AWAR KM 14	9	55	110	400	2	0	0	45	3	0
7/12/2022	AWAR KM 27	2	60	140	220	30	4	2	1	0	0
7/12/2022	AWAR KM 27	0	0	180	240	25	7	0	5	0	0
6/23/2022	AWAR KM 28	22	320	50	200	8	0	0	4	2	0
6/24/2022	AWAR KM 20	14	0	100	200	13	0	0	10	0	6
6/24/2022	AWAR KM 17	22	90	100	2,000	4	25	0	0	1	0
6/24/2022	AWAR KM 100 m	NA	NA	100	200	1	0	0	10	1	8
6/24/2022	AWAR KM 21	22	NA	100	200	17	0	0	12	0	1
6/24/2022	AWAR KM 21	17	270	100	200	3	13	1	3	1	0
7/4/2020	AWAR KM 12	13	207	NA	NA	10	3	20	2	0	0
7/4/2020	Mine Site	10	5	NA	NA	11	24	0	0	0	0
7/5/2020	Explo	13	180	100	100	4	0	1	0	0	95
7/4/2020	AWAR KM 16	9	225	NA	NA	4	10	5	24	0	0
7/4/2020	AWAR KM 12	11	190	NA	NA	10	0	8	3	0	0
7/4/2020	Mine Site	30	200	NA	NA	0	10	0	1	0	0
7/4/2020	Mine Site	17	200	NA	NA	20	9	10	21	0	0
7/6/2020	Dyno	30	200	NA	NA	20	0	0	5	0	0
7/6/2020	Dyno	30	200	NA	NA	7	0	0	0	1	0
7/6/2020	AWAR KM 26	9	180	50	50	27	0	0	7	1	8
7/6/2020	AWAR KM 23	14	180	NA	NA	2	0	0	0	0	0
7/6/2020	AWAR KM 29	12	180	NA	NA	27	23	0	0	0	0
7/6/2020	AWAR KM 25	15	190	NA	NA	28	0	0	2	0	0
7/6/2020	AWAR KM 23	15	200	NA	NA	11	0	0	1	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)	Comments (3 Minutes)
7/4/2022	AWAR KM 14	Crossing the road	0	0	0	0	0	0	Out of sight because of the hill, and the ATV stopped and looked and then hunt
7/6/2022	AWAR KM 23	Pre-convoy	1	0	0	0	0	1	New one appeared and crossed the road
7/6/2022	AWAR KM 27	NA	1	0	0	0	0	0	NA
7/6/2022	AWAR KM 24	Male	1	0	0	0	0	0	NA
7/11/2022	AWAR KM 12	Group East of gatehouse	19	20	0	2	2	0	NA
7/11/2022	AWAR KM 12	NA	0	0	0	22	0	0	NA
7/11/2022	AWAR KM 14	NA	0	0	0	25	0	NA	NA
7/11/2022	AWAR KM 12	21 calves	1	0	0	5	2	38	Crossing AWAR
7/11/2022	AWAR KM 12	NA	0	0	0	0	0	147	NA
7/11/2022	AWAR KM 12	Crossing the road	8	0	0	20	2	0	Walking parallel of AWAR
7/11/2022	AWAR KM 12	NA	3	0	0	12	7	25	NA
7/11/2022	AWAR KM 12	Running from hunters	0	0	0	0	0	40	NA
7/11/2022	AWAR KM 14	NA	0	0	0	50	0	0	NA
7/12/2022	AWAR KM 27	NA	30	1	1	2	0	0	NA
7/12/2022	AWAR KM 27	NA	35	3	0	2	0	0	NA
6/23/2022	AWAR KM 28	NA	12	0	0	4	0	0	NA
6/24/2022	AWAR KM 20	NA	21	0	1	4	3	1	NA
6/24/2022	AWAR KM 17	NA	4	24	0	0	2	0	NA
6/24/2022	AWAR KM 100 m	On the road	6	0	0	7	1	7	Group split in half; one on East side of the road, the other one on West side
6/24/2022	AWAR KM 21	NA	23	0	0	6	1	0	NA
6/24/2022	AWAR KM 21	NA	3	15	1	1	0	0	NA
7/4/2020	AWAR KM 12	Observing from quarry at KM 12	11	4	16	4	0	0	NA
7/4/2020	Mine Site	NA	13	11	0	0	0	1	NA
7/5/2020	Explo	Group back and forth in corner of pipeline	10	0	10	40	0	40	Group back and forth in corner of pipeline
7/4/2020	AWAR KM 16	Herd size is approximate count; not enough for 50-100 category	4	10	6	23	0	0	NA
7/4/2020	AWAR KM 12	NA	0	0	0	18	0	3	NA
7/4/2020	Mine Site	NA	0	8	0	0	0	0	3 moved into other group
7/4/2020	Mine Site	No discernable behaviour	6	18	10	26	0	0	Blast occurred
7/6/2020	Dyno	NA	12	3	0	3	0	4	Group down to 22
7/6/2020	Dyno	NA	2	2	0	0	1	0	Some out of sight
7/6/2020	AWAR KM 26	NA	21	0	0	7	0	0	NA
7/6/2020	AWAR KM 23	NA	2	0	0	0	0	0	NA
7/6/2020	AWAR KM 29	NA	21	25	0	0	0	0	NA
7/6/2020	AWAR KM 25	NA	34	0	0	1	0	0	5 came over ridge and joined the group
7/6/2020	AWAR KM 23	Sub-group of 12	12	0	0	0	0	0	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Comments (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)
7/4/2022	AWAR KM 14	0	0	0	12	3	0	NA	0	0	0	0
7/6/2022	AWAR KM 23	0	0	0	0	0	2	NA	1	0	0	0
7/6/2022	AWAR KM 27	0	0	0	0	0	1	NA	0	0	0	1
7/6/2022	AWAR KM 24	1	0	0	0	0	0	NA	1	0	0	0
7/11/2022	AWAR KM 12	16	14	3	4	0	0	More caribou coming towards our group	22	10	0	2
7/11/2022	AWAR KM 12	0	0	0	22	2	5	We moved	0	0	0	24
7/11/2022	AWAR KM 14	0	0	0	NA	0	12	Rest are out of sight	0	0	0	0
7/11/2022	AWAR KM 12	0	0	0	0	0	52	Group of about 5,000 all running; another group joined them	0	0	0	0
7/11/2022	AWAR KM 12	0	0	0	40	0	0	NA	0	0	15	28
7/11/2022	AWAR KM 12	0	0	0	19	3	10	NA	0	0	0	22
7/11/2022	AWAR KM 12	16	0	0	33	0	0	NA	0	0	0	0
7/11/2022	AWAR KM 12	0	0	0	0	0	40	Running towards the East	0	0	0	0
7/11/2022	AWAR KM 14	0	0	0	0	0	50	Running from hunters	0	0	2	10
7/12/2022	AWAR KM 27	35	0	0	0	0	0	Part of large herd	29	5	3	2
7/12/2022	AWAR KM 27	24	7	5	NA	1	0	NA	36	3	0	3
6/23/2022	AWAR KM 28	8	0	0	2	0	0	NA	7	0	0	2
6/24/2022	AWAR KM 20	27	0	0	2	1	0	On the East side of the road (1-2 m)	25	0	0	2
6/24/2022	AWAR KM 17	2	5	0	10	18	-5	NA	4	13	0	9
6/24/2022	AWAR KM 100 m	6	0	0	6	1	2	NA	0	0	0	0
6/24/2022	AWAR KM 21	24	0	0	5	1	0	NA	23	0	0	7
6/24/2022	AWAR KM 21	11	10	1	0	1	0	NA	12	11	0	2
7/4/2020	AWAR KM 12	12	5	15	3	0	0	NA	18	7	6	4
7/4/2020	Mine Site	13	11	0	0	0	0	NA	11	12	0	0
7/5/2020	Explo	40	0	20	40	0	0	Group back and forth in corner of pipeline	0	0	0	98
7/4/2020	AWAR KM 16	5	9	7	24	0	0	NA	3	3	26	13
7/4/2020	AWAR KM 12	11	0	0	10	0	0	NA	35	0	0	5
7/4/2020	Mine Site	0	8	0	0	0	0	NA	0	8	0	0
7/4/2020	Mine Site	12	17	7	22	0	0	NA	5	23	0	32
7/6/2020	Dyno	8	6	0	2	0	0	Group down to 16	10	6	0	0
7/6/2020	Dyno	3	2	0	0	0	0	NA	3	2	0	0
7/6/2020	AWAR KM 26	41	0	0	2	0	0	NA	65	0	3	3
7/6/2020	AWAR KM 23	1	0	0	0	1	0	Mother limping	0	0	0	2
7/6/2020	AWAR KM 29	24	21	0	0	0	0	NA	22	24	0	0
7/6/2020	AWAR KM 25	35	0	0	0	0	0	NA	34	0	0	1
7/6/2020	AWAR KM 23	12	0	0	0	0	0	NA	10	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (9 Minutes)	Trotting (9 Minutes)	Comments (9 Minutes)	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)
7/4/2022	AWAR KM 14	0	15	12 bull	0	0	0	20	0	0
7/6/2022	AWAR KM 23	0	0	Other out of sight	1	0	0	0	0	1
7/6/2022	AWAR KM 27	0	0	NA	1	0	0	0	0	0
7/6/2022	AWAR KM 24	0	0	NA	1	0	0	0	0	0
7/11/2022	AWAR KM 12	0	0	NA	30	5	2	3	0	0
7/11/2022	AWAR KM 12	0	1	NA	16	0	2	9	0	0
7/11/2022	AWAR KM 14	0	0	Out of sight	0	0	0	0	0	0
7/11/2022	AWAR KM 12	0	55	NA	0	0	0	0	0	55
7/11/2022	AWAR KM 12	1	NA	NA	0	0	0	1	1	2
7/11/2022	AWAR KM 12	0	7	NA	15	3	0	0	0	0
7/11/2022	AWAR KM 12	0	40	NA	0	0	0	0	0	40
7/11/2022	AWAR KM 12	0	40	NA	0	0	0	6	0	35
7/11/2022	AWAR KM 14	3	35	NA	15	3	0	0	10	22
7/12/2022	AWAR KM 27	0	0	NA	22	3	1	12	0	0
7/12/2022	AWAR KM 27	0	0	NA	32	8	3	2	0	0
6/23/2022	AWAR KM 28	1	0	Some out of sight	5	1	0	7	0	1
6/24/2022	AWAR KM 20	0	3	NA	26	0	0	2	2	0
6/24/2022	AWAR KM 17	4	0	NA	11	17	1	0	1	0
6/24/2022	AWAR KM 100 m	0	15	NA	0	0	0	6	1	8
6/24/2022	AWAR KM 21	0	0	NA	29	0	0	1	0	0
6/24/2022	AWAR KM 21	3	0	NA	0	0	0	19	9	2
7/4/2020	AWAR KM 12	0	0	NA	3	14	5	13	0	0
7/4/2020	Mine Site	0	1	2 nursing	9	9	4	1	0	0
7/5/2020	Explo	0	2	Group back and forth in corner of pipeline	0	0	0	98	2	0
7/4/2020	AWAR KM 16	0	0	NA	8	4	27	10	0	0
7/4/2020	AWAR KM 12	0	0	NA	30	0	0	10	0	0
7/4/2020	Mine Site	0	0	NA	1	7	0	0	0	0
7/4/2020	Mine Site	0	0	NA	5	16	4	2	0	0
7/6/2020	Dyno	0	0	NA	10	6	2	0	0	0
7/6/2020	Dyno	0	0	NA	2	2	0	0	0	0
7/6/2020	AWAR KM 26	0	0	NA	31	0	0	13	0	12
7/6/2020	AWAR KM 23	0	0	NA	2	0	0	0	0	0
7/6/2020	AWAR KM 29	0	0	NA	19	26	0	1	0	0
7/6/2020	AWAR KM 25	0	0	NA	18	0	0	4	0	0
7/6/2020	AWAR KM 23	0	0	2 of group out of sight	10	0	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)	Trotting (15 Minutes)
7/4/2022	AWAR KM 14	12 bull and 1 calf; ATV left	0	0	0	0	0	14
7/6/2022	AWAR KM 23	During convoy	1	0	0	0	0	2
7/6/2022	AWAR KM 27	NA	0	0	0	0	0	0
7/6/2022	AWAR KM 24	NA	0	0	0	1	0	0
7/11/2022	AWAR KM 12	NA	20	7	0	2	0	0
7/11/2022	AWAR KM 12	NA	0	0	0	22	0	17
7/11/2022	AWAR KM 14	Out of sight	0	0	0	0	0	0
7/11/2022	AWAR KM 12	NA	26	0	0	8	3	0
7/11/2022	AWAR KM 12	Rest are out of sight	0	0	0	0	0	145
7/11/2022	AWAR KM 12	NA	23	3	0	4	5	0
7/11/2022	AWAR KM 12	NA	14	0	0	27	2	3
7/11/2022	AWAR KM 12	NA	0	0	0	0	0	40
7/11/2022	AWAR KM 14	NA	19	0	0	25	2	0
7/12/2022	AWAR KM 27	NA	2	0	0	42	0	3
7/12/2022	AWAR KM 27	NA	45	2	0	0	0	1
6/23/2022	AWAR KM 28	NA	8	1	0	10	0	0
6/24/2022	AWAR KM 20	On the road	20	0	0	6	2	2
6/24/2022	AWAR KM 17	NA	5	24	0	1	0	0
6/24/2022	AWAR KM 100 m	NA	2	0	0	3	3	7
6/24/2022	AWAR KM 21	NA	23	0	0	7	0	0
6/24/2022	AWAR KM 21	NA	3	0	0	24	3	0
7/4/2020	AWAR KM 12	NA	4	12	18	1	0	0
7/4/2020	Mine Site	11 nursing	11	8	0	3	0	3
7/5/2020	Explo	Group back and forth in corner of pipeline	70	0	0	30	0	0
7/4/2020	AWAR KM 16	NA	6	3	32	6	0	0
7/4/2020	AWAR KM 12	NA	40	0	0	0	0	0
7/4/2020	Mine Site	NA	0	7	1	0	0	0
7/4/2020	Mine Site	Group down to 27; 33 walked to join larger group	6	19	0	2	0	0
7/6/2020	Dyno	2 calves came into the group	11	6	0	1	0	0
7/6/2020	Dyno	NA	2	1	1	2	0	0
7/6/2020	AWAR KM 26	NA	20	0	0	1	0	0
7/6/2020	AWAR KM 23	NA	0	0	0	1	0	0
7/6/2020	AWAR KM 29	NA	19	30	0	0	0	0
7/6/2020	AWAR KM 25	Group down to 22; some went over ridge	21	0	0	1	0	0
7/6/2020	AWAR KM 23	NA	19	0	0	4	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Comments (18 Minutes)
7/4/2022	AWAR KM 14	There are way more now that they joined a bigger group	0	0	0	0	0	20	NA
7/6/2022	AWAR KM 23	New one by the lake	1	0	0	0	0	1	1 out of sight
7/6/2022	AWAR KM 27	Out of sight	0	0	0	0	0	0	Out of sight
7/6/2022	AWAR KM 24	NA	0	0	0	0	0	1	NA
7/11/2022	AWAR KM 12	NA	26	4	0	3	0	0	NA
7/11/2022	AWAR KM 12	Joined another group; getting out of sight as we moved; crossing the road	1	0	0	2	1	19	NA
7/11/2022	AWAR KM 14	Out of sight	0	0	0	0	0	0	Out of sight
7/11/2022	AWAR KM 12	NA	0	0	0	0	0	55	NA
7/11/2022	AWAR KM 12	NA	2	0	0	1	0	140	NA
7/11/2022	AWAR KM 12	NA	30	0	0	7	2	3	NA
7/11/2022	AWAR KM 12	NA	2	0	0	8	4	27	NA
7/11/2022	AWAR KM 12	NA	0	0	0	0	0	40	NA
7/11/2022	AWAR KM 14	NA	33	0	3	8	0	0	NA
7/12/2022	AWAR KM 27	NA	38	0	0	10	0	0	Group moving South-West
7/12/2022	AWAR KM 27	NA	50	0	0	0	0	0	NA
6/23/2022	AWAR KM 28	NA	17	1	0	2	0	0	NA
6/24/2022	AWAR KM 20	5 have crossed the road; 2 on the road	18	0	0	9	3	0	Big group coming to the road, and a group have crossed the road
6/24/2022	AWAR KM 17	NA	5	23	0	1	1	0	NA
6/24/2022	AWAR KM 100 m	NA	2	0	0	7	0	3	NA
6/24/2022	AWAR KM 21	NA	40	NA	0	2	0	0	NA
6/24/2022	AWAR KM 21	NA	14	0	0	16	0	0	NA
7/4/2020	AWAR KM 12	NA	17	17	0	1	0	0	Group starting to diverge
7/4/2020	Mine Site	NA	8	15	1	1	0	0	NA
7/5/2020	Explo	Group back and forth in corner of pipeline	20	5	0	15	0	11	11 crossed ramp over pipeline
7/4/2020	AWAR KM 16	NA	8	0	17	20	0	0	NA
7/4/2020	AWAR KM 12	NA	35	0	0	5	0	0	NA
7/4/2020	Mine Site	NA	0	7	0	1	0	0	NA
7/4/2020	Mine Site	NA	0	8	0	12	0	0	Group dispersed more
7/6/2020	Dyno	NA	8	6	0	0	0	0	Group down to 18
7/6/2020	Dyno	NA	1	1	0	0	0	2	NA
7/6/2020	AWAR KM 26	NA	12	2	0	3	0	0	NA
7/6/2020	AWAR KM 23	NA	0	0	0	0	0	0	Disappeared over ridge
7/6/2020	AWAR KM 29	NA	19	27	0	0	0	0	NA
7/6/2020	AWAR KM 25	NA	19	0	0	3	0	0	NA
7/6/2020	AWAR KM 23	Number of caribou increased to 22	20	0	0	2	0	0	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)	Alert (21 Minutes)	Trotting (21 Minutes)	Comments (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)
7/4/2022	AWAR KM 14	NA	0	0	0	0	9	Most out of sight because running	0	0
7/6/2022	AWAR KM 23	1	0	0	0	0	0	2 out of sight	1	0
7/6/2022	AWAR KM 27	0	0	0	0	0	0	Out of sight	0	0
7/6/2022	AWAR KM 24	0	0	0	0	0	1	Crossed and crossed back	0	0
7/11/2022	AWAR KM 12	35	2	5	0	2	0	NA	24	13
7/11/2022	AWAR KM 12	1	0	0	0	0	57	NA	0	0
7/11/2022	AWAR KM 14	0	0	0	0	0	0	Out of sight	0	0
7/11/2022	AWAR KM 12	15	0	4	27	0	0	NA	0	0
7/11/2022	AWAR KM 12	0	0	4	14	0	12	Rest are out of sight	1	1
7/11/2022	AWAR KM 12	24	0	0	8	5	0	NA	27	0
7/11/2022	AWAR KM 12	26	0	0	12	2	0	NA	0	0
7/11/2022	AWAR KM 12	0	0	0	0	10	30	NA	0	0
7/11/2022	AWAR KM 14	35	0	3	6	2	0	NA	38	0
7/12/2022	AWAR KM 27	45	4	0	0	0	0	NA	27	0
7/12/2022	AWAR KM 27	50	0	0	0	0	0	NA	45	2
6/23/2022	AWAR KM 28	13	1	0	3	0	1	NA	16	4
6/24/2022	AWAR KM 20	15	0	0	6	2	7	The group that went in the West side moved back to the East side	11	0
6/24/2022	AWAR KM 17	3	27	0	0	0	0	NA	7	22
6/24/2022	AWAR KM 100 m	2	0	0	1	2	4	NA	0	0
6/24/2022	AWAR KM 21	27	2	0	1	0	0	NA	16	2
6/24/2022	AWAR KM 21	16	0	1	9	4	0	NA	16	0
7/4/2020	AWAR KM 12	2	18	0	0	0	0	Group starting to diverge	0	19
7/4/2020	Mine Site	7	15	2	1	0	0	NA	9	15
7/5/2020	Explo	80	10	0	10	0	0	10 crossed ramp over pipeline	80	10
7/4/2020	AWAR KM 16	2	0	38	20	0	0	Up to approximately 30	4	10
7/4/2020	AWAR KM 12	25	0	0	15	0	0	NA	33	0
7/4/2020	Mine Site	4	8	0	0	0	0	4 joined group from other group	0	8
7/4/2020	Mine Site	0	1	0	17	0	0	Group joining larger group	0	0
7/6/2020	Dyno	8	6	0	0	0	0	NA	7	6
7/6/2020	Dyno	0	1	0	0	0	0	Only calf visible	0	1
7/6/2020	AWAR KM 26	13	2	0	3	0	0	NA	13	5
7/6/2020	AWAR KM 23	0	0	0	0	0	0	Disappeared over ridge	0	0
7/6/2020	AWAR KM 29	19	22	0	0	0	0	NA	16	31
7/6/2020	AWAR KM 25	6	0	0	0	0	0	Group down to 6; others went over ridge	2	0
7/6/2020	AWAR KM 23	21	0	0	1	0	0	NA	22	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Comments (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)	Walking (27 Minutes)
7/4/2022	AWAR KM 14	0	0	3	10	NA	0	0	0	0
7/6/2022	AWAR KM 23	0	0	0	0	2 out of sight	1	0	0	0
7/6/2022	AWAR KM 27	0	0	0	0	Out of sight	0	0	0	0
7/6/2022	AWAR KM 24	0	0	0	1	Running very fast; polar bear in the area (3 km)	0	0	0	1
7/11/2022	AWAR KM 12	0	4	0	-1	NA	28	8	3	1
7/11/2022	AWAR KM 12	0	9	0	NA	Rest are out of sight	0	0	0	0
7/11/2022	AWAR KM 14	0	0	0	0	Out of sight	0	0	0	0
7/11/2022	AWAR KM 12	0	55	0	0	NA	0	0	0	55
7/11/2022	AWAR KM 12	0	0	1	0	Rest are out of sight	1	0	0	0
7/11/2022	AWAR KM 12	0	13	1	2	NA	33	0	0	6
7/11/2022	AWAR KM 12	0	0	0	40	NA	0	0	0	0
7/11/2022	AWAR KM 12	0	0	0	40	NA	0	0	0	NA
7/11/2022	AWAR KM 14	0	5	2	1	Hunters in area	12	0	0	39
7/12/2022	AWAR KM 27	2	11	0	2	NA	7	0	5	32
7/12/2022	AWAR KM 27	0	3	0	0	NA	40	0	0	6
6/23/2022	AWAR KM 28	0	0	0	0	NA	13	4	0	1
6/24/2022	AWAR KM 20	0	16	0	3	NA	0	0	0	6
6/24/2022	AWAR KM 17	1	0	0	0	NA	2	25	0	0
6/24/2022	AWAR KM 100 m	0	2	2	11	NA	0	0	0	0
6/24/2022	AWAR KM 21	0	0	0	0	NA	14	11	0	0
6/24/2022	AWAR KM 21	0	12	0	2	NA	21	0	0	9
7/4/2020	AWAR KM 12	0	0	0	0	Group down to 19 visible; some went over ridge	0	18	1	0
7/4/2020	Mine Site	1	0	0	0	NA	10	15	1	0
7/5/2020	Explo	0	10	0	0	40 crossed ramp	30	10	0	30
7/4/2020	AWAR KM 16	43	3	0	0	NA	5	0	35	20
7/4/2020	AWAR KM 12	0	7	0	0	NA	33	0	0	7
7/4/2020	Mine Site	0	0	0	0	4 left; straggling feeders	0	6	2	0
7/4/2020	Mine Site	0	18	0	0	Still working towards larger group	11	0	0	7
7/6/2020	Dyno	0	1	0	0	NA	7	6	0	1
7/6/2020	Dyno	0	0	0	0	NA	0	1	0	0
7/6/2020	AWAR KM 26	0	0	0	0	NA	14	2	0	3
7/6/2020	AWAR KM 23	0	0	0	0	Disappeared over ridge	2	0	0	0
7/6/2020	AWAR KM 29	0	0	0	0	NA	19	31	0	1
7/6/2020	AWAR KM 25	0	2	0	0	Group down to 4; others went over ridge	0	0	0	0
7/6/2020	AWAR KM 23	0	4	0	0	4 more joined	26	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (27 Minutes)	Trotting (27 Minutes)	Comments (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
7/4/2022	AWAR KM 14	0	0	Out of sight	0	0	0	0	0	0
7/6/2022	AWAR KM 23	0	0	2 out of sight	1	0	0	0	0	0
7/6/2022	AWAR KM 27	0	0	Out of sight	0	0	0	0	0	0
7/6/2022	AWAR KM 24	0	0	NA	0	0	0	0	0	1
7/11/2022	AWAR KM 12	1	0	NA	15	11	3	2	1	0
7/11/2022	AWAR KM 12	0	0	Out of sight	0	0	0	0	0	0
7/11/2022	AWAR KM 14	0	0	Out of sight	0	0	0	0	0	0
7/11/2022	AWAR KM 12	0	0	Very far	17	3	0	30	0	0
7/11/2022	AWAR KM 12	0	0	Rest are out of sight	2	0	0	0	0	0
7/11/2022	AWAR KM 12	0	0	NA	27	0	7	1	3	0
7/11/2022	AWAR KM 12	0	40	NA	0	0	0	0	0	40
7/11/2022	AWAR KM 12	0	20	Rest are out of sight	0	0	0	0	0	40
7/11/2022	AWAR KM 14	3	0	Hunters in area	25	0	0	14	2	2
7/12/2022	AWAR KM 27	0	0	NA	22	0	0	30	1	1
7/12/2022	AWAR KM 27	2	1	NA	35	0	0	20	0	0
6/23/2022	AWAR KM 28	1	0	NA	8	4	0	7	6	0
6/24/2022	AWAR KM 20	7	13	NA	6	0	0	17	2	NA
6/24/2022	AWAR KM 17	3	0	NA	3	15	0	3	5	0
6/24/2022	AWAR KM 100 m	0	13	NA	0	0	0	0	0	13
6/24/2022	AWAR KM 21	0	0	NA	12	18	0	0	0	0
6/24/2022	AWAR KM 21	0	0	NA	25	0	0	5	0	0
7/4/2020	AWAR KM 12	0	0	NA	0	18	1	0	0	0
7/4/2020	Mine Site	0	0	NA	10	14	1	1	0	0
7/5/2020	Explo	0	30	46 crossed ramp	30	10	0	20	0	40
7/4/2020	AWAR KM 16	0	0	NA	5	0	40	15	0	0
7/4/2020	AWAR KM 12	0	0	NA	20	0	0	20	0	0
7/4/2020	Mine Site	0	0	NA	4	5	0	6	0	0
7/4/2020	Mine Site	0	0	NA	18	0	0	0	0	0
7/6/2020	Dyno	0	0	NA	6	8	0	0	0	0
7/6/2020	Dyno	0	0	NA	1	1	0	0	0	0
7/6/2020	AWAR KM 26	0	0	NA	11	4	0	2	0	0
7/6/2020	AWAR KM 23	0	0	NA	0	0	0	1	1	0
7/6/2020	AWAR KM 29	0	0	NA	11	31	1	0	0	0
7/6/2020	AWAR KM 25	0	0	Out of sight	0	0	0	0	0	0
7/6/2020	AWAR KM 23	0	0	NA	22	0	0	4	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (30 Minutes)	Disturbance (0 Minutes)	Disturbance Comments (0 Minutes)
7/4/2022	AWAR KM 14	Out of sight	Light Truck	Truck almost run them over; ATV going fast, but slowed down when they saw them
7/6/2022	AWAR KM 23	2 out of sight	Light Truck	HTO truck
7/6/2022	AWAR KM 27	Out of sight	NA	NA
7/6/2022	AWAR KM 24	NA	Light Truck	Own truck; randy truck (slow)
7/11/2022	AWAR KM 12	NA	NA	NA
7/11/2022	AWAR KM 12	Out of sight	Light Truck	Gatehouse staff
7/11/2022	AWAR KM 14	Out of sight	Light Truck	Own truck
7/11/2022	AWAR KM 12	NA	NA	NA
7/11/2022	AWAR KM 12	Rest are out of sight	Light Truck	NA
7/11/2022	AWAR KM 12	NA	NA	NA
7/11/2022	AWAR KM 12	NA	Light Truck	Active hunting
7/11/2022	AWAR KM 12	NA	Light Truck	Active hunting
7/11/2022	AWAR KM 14	Hunters in the area, and ATV going fast on the road	Light Truck	Active hunting
7/12/2022	AWAR KM 27	NA	NA	NA
7/12/2022	AWAR KM 27	NA	Light Truck	AEM truck
6/23/2022	AWAR KM 28	NA	Light Truck	Own pickup
6/24/2022	AWAR KM 20	NA	NA	NA
6/24/2022	AWAR KM 17	NA	NA	NA
6/24/2022	AWAR KM 100 m	NA	NA	NA
6/24/2022	AWAR KM 21	NA	NA	NA
6/24/2022	AWAR KM 21	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA
7/4/2020	Mine Site	NA	Haul Truck	Noise in background
7/5/2020	Explo	64 crossed ramp	Waterline	Entire group passed over pipeline at the ATV ramp, except for 2 individuals that jumped the pipeline - the last of the group crossed at 17:58
7/4/2020	AWAR KM 16	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA
7/6/2020	Dyno	NA	NA	NA
7/6/2020	Dyno	Mother of calf back in sight	NA	NA
7/6/2020	AWAR KM 26	NA	Light Truck	NA
7/6/2020	AWAR KM 23	NA	NA	NA
7/6/2020	AWAR KM 29	NA	NA	NA
7/6/2020	AWAR KM 25	Out of sight	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (3 Minutes)	Disturbance Comments (3 Minutes)	Disturbance (6 Minutes)	Disturbance Comments (6 Minutes)
7/4/2022	AWAR KM 14	Light Truck	NA	Light Truck	NA
7/6/2022	AWAR KM 23	Light Truck	NA	Light Truck	Convoy coming (1,500)
7/6/2022	AWAR KM 27	NA	NA	NA	NA
7/6/2022	AWAR KM 24	Light Truck	NA	NA	NA
7/11/2022	AWAR KM 12	NA	NA	NA	NA
7/11/2022	AWAR KM 12	Light Truck	NA	Light Truck	Gatehouse staff
7/11/2022	AWAR KM 14	Light Truck	NA	NA	NA
7/11/2022	AWAR KM 12	NA	NA	NA	NA
7/11/2022	AWAR KM 12	Light Truck	Plane, not Agnico Eagle plane	Light Truck	NA
7/11/2022	AWAR KM 12	NA	NA	Light Truck	NA
7/11/2022	AWAR KM 12	Light Truck	Active hunting	Light Truck	NA
7/11/2022	AWAR KM 12	Light Truck	Active hunting	Light Truck	NA
7/11/2022	AWAR KM 14	Light Truck	Acrive hunting	Light Truck	Active hunting
7/12/2022	AWAR KM 27	NA	NA	NA	NA
7/12/2022	AWAR KM 27	Light Truck	NA	NA	NA
6/23/2022	AWAR KM 28	Light Truck	NA	NA	NA
6/24/2022	AWAR KM 20	NA	NA	NA	NA
6/24/2022	AWAR KM 17	Light Truck	NA	Light Truck	NA
6/24/2022	AWAR KM 100 m	Light Truck	NA	Light Truck	NA
6/24/2022	AWAR KM 21	Light Truck	NA	NA	NA
6/24/2022	AWAR KM 21	NA	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA	NA
7/5/2020	Explo	Waterline	NA	Waterline	NA
7/4/2020	AWAR KM 16	NA	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	Blast	Underground blast
7/6/2020	Dyno	NA	NA	NA	NA
7/6/2020	Dyno	NA	NA	NA	NA
7/6/2020	AWAR KM 26	NA	NA	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA	NA
7/6/2020	AWAR KM 29	NA	NA	NA	NA
7/6/2020	AWAR KM 25	NA	NA	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (9 Minutes)	Date	Survey Location	Disturbance Comments (9 Minutes)	Disturbance (12 Minutes)	Disturbance Comments (12 Minutes)
7/4/2022	AWAR KM 14	Light Truck	7/4/2022	AWAR KM 14	NA	NA	NA
7/6/2022	AWAR KM 23	Light Truck	7/6/2022	AWAR KM 23	Convoy	Light Truck	During convoy
7/6/2022	AWAR KM 27	NA	7/6/2022	AWAR KM 27	NA	NA	NA
7/6/2022	AWAR KM 24	NA	7/6/2022	AWAR KM 24	NA	Light Truck	Convoy
7/11/2022	AWAR KM 12	NA	7/11/2022	AWAR KM 12	NA	NA	NA
7/11/2022	AWAR KM 12	Light Truck	7/11/2022	AWAR KM 12	NA	NA	NA
7/11/2022	AWAR KM 14	NA	7/11/2022	AWAR KM 14	NA	NA	NA
7/11/2022	AWAR KM 12	NA	7/11/2022	AWAR KM 12	NA	Light Truck	NA
7/11/2022	AWAR KM 12	NA	7/11/2022	AWAR KM 12	NA	NA	NA
7/11/2022	AWAR KM 12	Light Truck	7/11/2022	AWAR KM 12	They shot 1 caribou on the road and now all the caribou are running the other way (West)	Light Truck	NA
7/11/2022	AWAR KM 12	Light Truck	7/11/2022	AWAR KM 12	Active hunting	Light Truck	Active hunting
7/11/2022	AWAR KM 12	Light Truck	7/11/2022	AWAR KM 12	NA	Light Truck	Active running
7/11/2022	AWAR KM 14	Light Truck	7/11/2022	AWAR KM 14	Active hunting	Light Truck	Active hunting
7/12/2022	AWAR KM 27	NA	7/12/2022	AWAR KM 27	NA	NA	NA
7/12/2022	AWAR KM 27	NA	7/12/2022	AWAR KM 27	NA	NA	NA
6/23/2022	AWAR KM 28	NA	6/23/2022	AWAR KM 28	NA	NA	NA
6/24/2022	AWAR KM 20	NA	6/24/2022	AWAR KM 20	NA	NA	NA
6/24/2022	AWAR KM 17	NA	6/24/2022	AWAR KM 17	NA	NA	NA
6/24/2022	AWAR KM 100 m	Light Truck	6/24/2022	AWAR KM 100 m	Convoy, 3 buses, 4 light trucks, 4 tractor trailers	Light Truck	Convoy
6/24/2022	AWAR KM 21	NA	6/24/2022	AWAR KM 21	NA	NA	NA
6/24/2022	AWAR KM 21	NA	6/24/2022	AWAR KM 21	NA	Light Truck	3 school buses, 2 tractor trailer
7/4/2020	AWAR KM 12	NA	7/4/2020	AWAR KM 12	NA	NA	NA
7/4/2020	Mine Site	NA	7/4/2020	Mine Site	NA	NA	NA
7/5/2020	Explo	Waterline	7/5/2020	Explo	NA	Waterline	NA
7/4/2020	AWAR KM 16	NA	7/4/2020	AWAR KM 16	NA	NA	NA
7/4/2020	AWAR KM 12	NA	7/4/2020	AWAR KM 12	NA	NA	NA
7/4/2020	Mine Site	NA	7/4/2020	Mine Site	NA	NA	NA
7/4/2020	Mine Site	NA	7/4/2020	Mine Site	NA	NA	NA
7/6/2020	Dyno	NA	7/6/2020	Dyno	NA	NA	NA
7/6/2020	Dyno	NA	7/6/2020	Dyno	NA	NA	NA
7/6/2020	AWAR KM 26	ATV	7/6/2020	AWAR KM 26	NA	NA	NA
7/6/2020	AWAR KM 23	NA	7/6/2020	AWAR KM 23	NA	NA	NA
7/6/2020	AWAR KM 29	NA	7/6/2020	AWAR KM 29	NA	NA	NA
7/6/2020	AWAR KM 25	NA	7/6/2020	AWAR KM 25	NA	NA	NA
7/6/2020	AWAR KM 23	NA	7/6/2020	AWAR KM 23	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (15 Minutes)	Disturbance Comments (15 Minutes)	Disturbance (18 Minutes)	Disturbance Comments (18 Minutes)	Disturbance (21 Minutes)	Disturbance Comments (21 Minutes)
7/4/2022	AWAR KM 14	NA	NA	Light Truck	The 2 groups started running; we think it's the ATVs	Light Truck	Side by side
7/6/2022	AWAR KM 23	Light Truck	NA	Light Truck	NA	NA	NA
7/6/2022	AWAR KM 27	NA	NA	NA	NA	NA	NA
7/6/2022	AWAR KM 24	Light Truck	NA	NA	NA	NA	NA
7/11/2022	AWAR KM 12	NA	NA	Light Truck	Survey truck	Light Truck	Survey truck
7/11/2022	AWAR KM 12	NA	NA	Light Truck	Stopped on the bridge	Light Truck	Truck left
7/11/2022	AWAR KM 14	NA	NA	NA	NA	NA	NA
7/11/2022	AWAR KM 12	Light Truck	NA	Light Truck	Hunter	Light Truck	NA
7/11/2022	AWAR KM 12	NA	NA	NA	NA	NA	NA
7/11/2022	AWAR KM 12	Light Truck	NA	Light Truck	NA	Light Truck	NA
7/11/2022	AWAR KM 12	Light Truck	Active hunting	Light Truck	NA	Light Truck	NA
7/11/2022	AWAR KM 12	Light Truck	Active running	Light Truck	Active hunting crossing the road	Light Truck	Being chase by ATV
7/11/2022	AWAR KM 14	Light Truck	Active hunting	Light Truck	Active hunting	Light Truck	Hunters in area
7/12/2022	AWAR KM 27	NA	NA	NA	NA	NA	NA
7/12/2022	AWAR KM 27	NA	NA	NA	NA	NA	NA
6/23/2022	AWAR KM 28	NA	NA	NA	NA	NA	NA
6/24/2022	AWAR KM 20	NA	NA	NA	NA	NA	NA
6/24/2022	AWAR KM 17	NA	NA	NA	NA	NA	NA
6/24/2022	AWAR KM 100 m	NA	NA	NA	NA	Light Truck	NA
6/24/2022	AWAR KM 21	NA	NA	NA	NA	NA	NA
6/24/2022	AWAR KM 21	Light Truck	NA	Light Truck	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA	NA	NA	NA
7/5/2020	Explo	Waterline	NA	Waterline	NA	Waterline	NA
7/4/2020	AWAR KM 16	NA	NA	NA	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA	NA	NA	NA
7/6/2020	Dyno	NA	NA	NA	NA	NA	NA
7/6/2020	Dyno	NA	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 26	NA	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 29	NA	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 25	NA	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (24 Minutes)	Disturbance Comments (24 Minutes)	Disturbance (27 Minutes)	Disturbance Comments (27 Minutes)	Disturbance (30 Minutes)
7/4/2022	AWAR KM 14	Light Truck	NA	NA	NA	NA
7/6/2022	AWAR KM 23	NA	NA	NA	NA	NA
7/6/2022	AWAR KM 27	NA	NA	NA	NA	NA
7/6/2022	AWAR KM 24	NA	NA	Light Truck	Heli	Light Truck
7/11/2022	AWAR KM 12	Light Truck	NA	NA	NA	NA
7/11/2022	AWAR KM 12	Light Truck	NA	NA	NA	NA
7/11/2022	AWAR KM 14	NA	NA	NA	NA	NA
7/11/2022	AWAR KM 12	NA	NA	NA	NA	NA
7/11/2022	AWAR KM 12	NA	NA	NA	NA	NA
7/11/2022	AWAR KM 12	Light Truck	NA	Light Truck	NA	Light Truck
7/11/2022	AWAR KM 12	Light Truck	Active hunting	Light Truck	Active hunting	Light Truck
7/11/2022	AWAR KM 12	Light Truck	NA	Light Truck	NA	Light Truck
7/11/2022	AWAR KM 14	Light Truck	NA	Light Truck	NA	Light Truck
7/12/2022	AWAR KM 27	NA	NA	NA	NA	NA
7/12/2022	AWAR KM 27	NA	NA	NA	NA	NA
6/23/2022	AWAR KM 28	NA	NA	NA	NA	Light Truck
6/24/2022	AWAR KM 20	NA	NA	Light Truck	ATV speeding; going South	Light Truck
6/24/2022	AWAR KM 17	NA	NA	NA	NA	Light Truck
6/24/2022	AWAR KM 100 m	Light Truck	NA	Light Truck	NA	NA
6/24/2022	AWAR KM 21	NA	NA	NA	NA	NA
6/24/2022	AWAR KM 21	NA	NA	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA	NA	NA
7/5/2020	Explo	Waterline	NA	Waterline	NA	Waterline
7/4/2020	AWAR KM 16	NA	NA	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA	NA	NA
7/6/2020	Dyno	NA	NA	NA	NA	NA
7/6/2020	Dyno	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 26	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 29	NA	NA	NA	NA	Convoy
7/6/2020	AWAR KM 25	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance Comments (30 Minutes)
7/4/2022	AWAR KM 14	NA
7/6/2022	AWAR KM 23	NA
7/6/2022	AWAR KM 27	NA
7/6/2022	AWAR KM 24	NA
7/11/2022	AWAR KM 12	NA
7/11/2022	AWAR KM 12	NA
7/11/2022	AWAR KM 14	NA
7/11/2022	AWAR KM 12	NA
7/11/2022	AWAR KM 12	NA
7/11/2022	AWAR KM 12	NA
7/11/2022	AWAR KM 12	NA
7/11/2022	AWAR KM 12	NA
7/11/2022	AWAR KM 14	NA
7/12/2022	AWAR KM 27	NA
7/12/2022	AWAR KM 27	NA
6/23/2022	AWAR KM 28	NA
6/24/2022	AWAR KM 20	NA
6/24/2022	AWAR KM 17	NA
6/24/2022	AWAR KM 100 m	NA
6/24/2022	AWAR KM 21	NA
6/24/2022	AWAR KM 21	NA
7/4/2020	AWAR KM 12	NA
7/4/2020	Mine Site	NA
7/5/2020	Explo	NA
7/4/2020	AWAR KM 16	NA
7/4/2020	AWAR KM 12	NA
7/4/2020	Mine Site	NA
7/4/2020	Mine Site	NA
7/6/2020	Dyno	NA
7/6/2020	Dyno	NA
7/6/2020	AWAR KM 26	NA
7/6/2020	AWAR KM 23	NA
7/6/2020	AWAR KM 29	2 light trucks, 3 tractor trailers, 2 school buses; slightly after end of survey
7/6/2020	AWAR KM 25	NA
7/6/2020	AWAR KM 23	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	UTM Easting	UTM Northing	Distance from Caribou to Observer Location (m)	Distance from Caribou to Infrastructure (m)	Bearing to Group (°)	Group East or West	Group Crossed Road	Group Size	Temperature (°C)
7/6/2020	AWAR KM 29	541506	6987391	NA	NA	NA	East	No	101-200	16
7/5/2020	AWAR KM 27	541390	6985477	NA	NA	200	East	No	>1,000	17
7/2/2020	Mine Site	539222	6990437	NA	NA	210	East	No	51-100	17
7/5/2020	AWAR KM 27	540801	6985856	NA	NA	NA	West	No	>1,000	13
7/5/2020	AWAR KM 24	542934	6984431	NA	NA	NA	West	No	501-1,000	12
7/5/2020	AWAR KM 24	543721	6983660	NA	NA	NA	East	No	>1,000	13
7/5/2020	AWAR KM 27	547921	6977400	NA	NA	NA	West	No	51-100	14
7/5/2020	AWAR KM 16	547873	6977706	NA	NA	270	West	No	>1,000	19
7/5/2020	AWAR KM 23	543774	6983481	NA	NA	240	West	No	201-500	17
7/5/2020	AWAR KM 23	543774	6983481	NA	NA	NA	East	Yes	23	17
7/5/2020	AWAR KM 27	541390	6985477	NA	NA	200	West	No	>1,000	17
7/1/2020	Mine Site	539121	6990423	NA	NA	0	East	No	250	24
7/5/2020	AWAR KM 27	540801	6985856	NA	NA	180	West	No	15	13
7/4/2020	Mine Site	539701	6990283	NA	NA	30	East	No	501-1,000	16
7/4/2020	Site	539700	6990283	NA	NA	70	East	No	501-1,000	17
7/4/2020	AWAR KM 12	546906	6974317	NA	NA	250	West	No	24	14
7/4/2020	AWAR KM 20	545243	6980951	NA	NA	230	West	No	65	15
7/4/2020	AWAR KM 16	547358	6978390	NA	NA	200	West	No	50-100	18
7/5/2020	AWAR KM 15	547896	6977062	NA	NA	180	West	No	6	14
7/17/2020	AWAR KM 29	541422	6987852	NA	NA	140	East	No	201-500	12
7/15/2020	AWAR KM 11	547015	6973804	NA	NA	90	East	No	4	16
7/15/2020	Explo	541487	6988488	NA	NA	360	West	No	26	15
7/14/2020	AWAR KM 27	540760	6985949	NA	NA	140	West	No	50-100	12
7/12/2020	AWAR KM 20	545577	6980743	NA	NA	40	East	No	1	18
7/10/2020	Explo	542107	6989141	NA	NA	220	East	No	201-500	12
7/9/2020	AWAR KM 27	541505	6987736	NA	NA	350	East	Yes	501-1,000	9
7/9/2020	AWAR KM 27	540742	6985958	NA	NA	180	West	No	501-1,000	15
7/9/2020	AWAR KM 25	542929	6984433	NA	NA	270	West	Yes	201-500	18
7/9/2020	AWAR KM 21	544821	6981586	NA	NA	320	East	Yes	12	13
7/9/2020	AWAR KM 23	544048	6982766	NA	NA	180	West	Yes	1	10
7/9/2020	AWAR KM 25	541253	6985565	NA	NA	200	West	No	201-500	11
7/8/2020	AWAR KM 29	541504	6987728	NA	NA	270	East	Yes	1	13
7/6/2020	AWAR KM Dyno	537407	6990986	NA	NA	10	East	No	501-1,000	19
7/6/2020	AWAR KM 29	541510	6987399	NA	NA	45	East	No	>1,000	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Wind Speed (km/h)	Wind Direction (°)	Road Height (cm)	Road Width (cm)	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)
7/6/2020	AWAR KM 29	15	257	300	NA	85	5	0	10	0	0
7/5/2020	AWAR KM 27	17	200	50	100	20	5	0	3	0	0
7/2/2020	Mine Site	12	135	NA	NA	0	0	0	50	0	0
7/5/2020	AWAR KM 27	11	180	NA	NA	15	2	1	1	0	0
7/5/2020	AWAR KM 24	11	180	200	100	11	0	1	3	0	0
7/5/2020	AWAR KM 24	16	200	NA	NA	12	1	1	1	0	0
7/5/2020	AWAR KM 27	14	180	150	200	0	0	0	15	0	0
7/5/2020	AWAR KM 16	4	180	150	NA	21	8	0	0	0	0
7/5/2020	AWAR KM 23	13	180	150	100	0	13	0	2	0	0
7/5/2020	AWAR KM 23	13	180	NA	NA	12	0	0	10	1	0
7/5/2020	AWAR KM 27	15	180	50	100	20	0	0	3	0	0
7/1/2020	Mine Site	4	315	NA	NA	50	0	0	0	0	0
7/5/2020	AWAR KM 27	11	180	0	0	0	0	0	5	0	0
7/4/2020	Mine Site	17	200	0	0	1	0	1	8	0	0
7/4/2020	Site	16	210	0	0	5	18	1	1	0	0
7/4/2020	AWAR KM 12	11	180	0	0	13	0	0	3	0	0
7/4/2020	AWAR KM 20	8	200	100	200	29	0	0	9	0	0
7/4/2020	AWAR KM 16	4	320	200	300	2	0	0	15	0	0
7/5/2020	AWAR KM 15	1	220	100	200	3	0	0	0	0	3
7/17/2020	AWAR KM 29	19	360	200	300	22	0	0	8	0	0
7/15/2020	AWAR KM 11	14	100	100	150	0	0	0	0	0	4
7/15/2020	Explo	10	180	100	100	10	14	1	1	0	0
7/14/2020	AWAR KM 27	34	80	100	150	30	0	0	5	0	0
7/12/2020	AWAR KM 20	10	270	200	400	0	0	0	0	0	1
7/10/2020	Explo	1	260	0	0	8	0	1	13	0	0
7/9/2020	AWAR KM 27	2	180	125	175	26	2	0	2	0	0
7/9/2020	AWAR KM 27	5	200	100	100	0	0	0	0	0	20
7/9/2020	AWAR KM 25	0	200	200	200	14	0	0	0	0	6
7/9/2020	AWAR KM 21	8	200	150	250	4	0	0	6	1	1
7/9/2020	AWAR KM 23	10	200	100	150	0	0	0	0	0	1
7/9/2020	AWAR KM 25	10	200	200	300	6	0	0	14	0	0
7/8/2020	AWAR KM 29	5	180	100	100	0	0	0	0	0	1
7/6/2020	AWAR KM Dyno	30	180	100	100	8	5	0	0	0	0
7/6/2020	AWAR KM 29	NA	NA	100	200	0	2	1	16	2	1

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)	Comments (3 Minutes)
7/6/2020	AWAR KM 29	Percentage of group	90	5	0	5	0	0	NA
7/5/2020	AWAR KM 27	NA	40	0	0	4	3	0	NA
7/2/2020	Mine Site	Walking South; feeding	0	0	0	50	0	0	Walking South; feeding
7/5/2020	AWAR KM 27	NA	11	8	0	1	0	0	NA
7/5/2020	AWAR KM 24	NA	15	0	0	0	0	0	NA
7/5/2020	AWAR KM 24	NA	13	0	0	2	0	0	NA
7/5/2020	AWAR KM 27	ATV disturbance	13	0	0	2	0	0	NA
7/5/2020	AWAR KM 16	NA	19	2	0	3	0	0	NA
7/5/2020	AWAR KM 23	NA	1	13	1	0	0	0	NA
7/5/2020	AWAR KM 23	NA	16	0	0	9	1	0	NA
7/5/2020	AWAR KM 27	NA	19	2	0	1	0	0	NA
7/1/2020	Mine Site	NA	50	0	0	0	0	0	NA
7/5/2020	AWAR KM 27	NA	3	0	0	1	0	1	NA
7/4/2020	Mine Site	Percent of large herd	4	0	2	4	0	0	Percent of large herd
7/4/2020	Site	NA	3	18	0	3	0	0	Rock babies
7/4/2020	AWAR KM 12	NA	14	0	0	3	0	0	NA
7/4/2020	AWAR KM 20	NA	39	0	1	4	0	0	NA
7/4/2020	AWAR KM 16	NA	1	0	0	19	0	0	NA
7/5/2020	AWAR KM 15	NA	0	0	0	0	0	6	Ran out of sight
7/17/2020	AWAR KM 29	NA	23	0	0	5	0	2	NA
7/15/2020	AWAR KM 11	NA	0	0	0	0	2	2	NA
7/15/2020	Explo	NA	13	8	0	2	0	0	Rest over the hill
7/14/2020	AWAR KM 27	NA	30	0	0	4	0	0	Heat waves on the horizon
7/12/2020	AWAR KM 20	NA	0	0	0	0	0	0	Out of sight
7/10/2020	Explo	Explo camp	0	0	0	0	0	1	NA
7/9/2020	AWAR KM 27	NA	24	0	0	3	0	3	NA
7/9/2020	AWAR KM 27	NA	0	0	0	0	0	20	NA
7/9/2020	AWAR KM 25	Foggy; group seems a little anxious	16	0	0	3	1	0	NA
7/9/2020	AWAR KM 21	Crossed the road	0	0	0	0	0	12	They are trotting into the fog; losing sight of them quickly
7/9/2020	AWAR KM 23	NA	0	0	0	0	0	1	NA
7/9/2020	AWAR KM 25	NA	8	0	0	9	0	3	NA
7/8/2020	AWAR KM 29	Female	0	0	0	0	0	1	NA
7/6/2020	AWAR KM Dyno	Swampy area	6	7	0	3	0	0	NA
7/6/2020	AWAR KM 29	NA	5	0	2	18	1	0	Post-disturbance

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Comments (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)
7/6/2020	AWAR KM 29	99	0	0	1	0	0	NA	99	0	0	1
7/5/2020	AWAR KM 27	30	0	0	10	1	0	NA	15	0	0	25
7/2/2020	Mine Site	0	0	0	50	0	0	Walking out of sight	0	0	0	50
7/5/2020	AWAR KM 27	17	5	0	2	0	0	NA	10	3	0	7
7/5/2020	AWAR KM 24	13	0	0	2	0	0	NA	12	2	1	0
7/5/2020	AWAR KM 24	4	2	0	9	0	0	NA	9	1	1	4
7/5/2020	AWAR KM 27	0	0	0	0	0	15	ATV dust / whole group running	1	0	0	1
7/5/2020	AWAR KM 16	19	1	0	4	0	0	NA	21	3	0	0
7/5/2020	AWAR KM 23	0	16	0	0	0	0	NA	0	14	0	1
7/5/2020	AWAR KM 23	0	0	0	0	3	0	Crossed the road; the rest out of sight	0	0	0	0
7/5/2020	AWAR KM 27	16	2	2	2	0	0	NA	18	0	0	4
7/1/2020	Mine Site	50	0	0	0	0	0	NA	50	0	0	0
7/5/2020	AWAR KM 27	6	1	0	2	0	0	NA	5	2	0	1
7/4/2020	Mine Site	80	0	4	15	0	1	Percent of large herd	19	0	0	1
7/4/2020	Site	4	19	0	1	0	0	NA	3	20	0	1
7/4/2020	AWAR KM 12	13	0	1	4	0	1	NA	12	0	0	7
7/4/2020	AWAR KM 20	42	0	1	1	0	0	NA	40	0	0	3
7/4/2020	AWAR KM 16	0	0	0	23	0	0	Some are out of sight	1	0	0	13
7/5/2020	AWAR KM 15	0	0	0	0	0	0	NA	0	0	0	0
7/17/2020	AWAR KM 29	18	0	0	10	1	1	NA	3	0	0	1
7/15/2020	AWAR KM 11	0	0	0	0	0	4	Out of sight	0	0	0	0
7/15/2020	Explo	13	4	0	6	0	0	Rest over the hill	16	2	0	6
7/14/2020	AWAR KM 27	34	0	0	5	0	0	Some showing up on the horizon	14	0	0	8
7/12/2020	AWAR KM 20	0	0	0	0	0	0	Out of sight	0	0	0	0
7/10/2020	Explo	10	4	2	7	1	1	1 nursing, cute; 1 scratching itself; both are standing	20	0	0	3
7/9/2020	AWAR KM 27	10	0	0	3	0	17	NA	6	0	1	12
7/9/2020	AWAR KM 27	0	0	0	0	0	20	NA	0	0	0	0
7/9/2020	AWAR KM 25	1	0	0	0	1	18	NA	5	0	0	0
7/9/2020	AWAR KM 21	0	0	0	0	0	12	NA	1	0	0	11
7/9/2020	AWAR KM 23	0	0	0	0	0	1	NA	0	0	0	1
7/9/2020	AWAR KM 25	11	0	0	0	0	9	NA	14	0	0	6
7/8/2020	AWAR KM 29	1	0	0	0	0	0	Out of sight after crossing the road; came back into sight	0	0	0	0
7/6/2020	AWAR KM Dyno	6	8	1	1	0	0	NA	9	11	0	0
7/6/2020	AWAR KM 29	0	0	0	0	0	0	NA	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (9 Minutes)	Trotting (9 Minutes)	Comments (9 Minutes)	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)
7/6/2020	AWAR KM 29	9	9	NA	98	1	0	1	0	0
7/5/2020	AWAR KM 27	0	0	NA	25	0	0	10	0	5
7/2/2020	Mine Site	0	0	Walking South	0	0	0	50	0	0
7/5/2020	AWAR KM 27	0	0	NA	11	4	0	5	0	0
7/5/2020	AWAR KM 24	0	0	NA	14	1	0	0	0	0
7/5/2020	AWAR KM 24	0	0	NA	11	0	0	4	0	0
7/5/2020	AWAR KM 27	0	0	All but 2 have gone	3	0	0	1	0	0
7/5/2020	AWAR KM 16	0	0	NA	22	3	1	2	0	0
7/5/2020	AWAR KM 23	0	0	ATV dust	0	10	2	1	0	0
7/5/2020	AWAR KM 23	0	0	All out of sight	0	0	0	0	0	0
7/5/2020	AWAR KM 27	0	0	NA	17	0	0	5	0	0
7/1/2020	Mine Site	0	0	NA	30	0	0	20	0	0
7/5/2020	AWAR KM 27	0	1	NA	7	3	0	1	0	0
7/4/2020	Mine Site	0	0	Percent of large herd	0	0	1	19	0	0
7/4/2020	Site	0	0	NA	3	21	0	0	0	0
7/4/2020	AWAR KM 12	0	0	NA	19	0	0	3	0	0
7/4/2020	AWAR KM 20	0	0	NA	35	0	0	11	0	0
7/4/2020	AWAR KM 16	0	1	Trailing group starting to merge with larger group	1	0	0	18	0	1
7/5/2020	AWAR KM 15	0	0	NA	0	0	0	0	0	0
7/17/2020	AWAR KM 29	0	26	Heading South-West; caribou trotting are catching up with the ones walking	5	0	0	14	0	11
7/15/2020	AWAR KM 11	0	0	Out of sight	0	0	0	0	0	0
7/15/2020	Explo	0	1	Located on the edge of the hill	7	2	0	2	2	2
7/14/2020	AWAR KM 27	0	10	NA	3	0	1	40	0	5
7/12/2020	AWAR KM 20	0	0	Out of sight	0	0	0	0	0	1
7/10/2020	Explo	0	2	Appear to be bothered by bugs	24	0	0	7	0	3
7/9/2020	AWAR KM 27	0	11	NA	17	0	0	6	1	6
7/9/2020	AWAR KM 27	0	20	NA	0	0	0	10	0	10
7/9/2020	AWAR KM 25	0	15	NA	14	0	0	6	0	0
7/9/2020	AWAR KM 21	0	0	They have gone about 700 m from our position on the road	0	0	0	0	0	12
7/9/2020	AWAR KM 23	0	0	Way too far for pictures	0	0	0	1	0	0
7/9/2020	AWAR KM 25	0	0	NA	6	0	0	11	1	2
7/8/2020	AWAR KM 29	1	0	50 m from the road	0	0	0	1	0	0
7/6/2020	AWAR KM Dyno	0	0	NA	7	11	0	0	0	0
7/6/2020	AWAR KM 29	0	0	NA	0	0	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)	Trotting (15 Minutes)
7/6/2020	AWAR KM 29	NA	99	1	0	0	0	0
7/5/2020	AWAR KM 27	NA	20	0	0	0	0	20
7/2/2020	Mine Site	Walking South	0	0	0	50	0	0
7/5/2020	AWAR KM 27	NA	15	1	0	4	0	0
7/5/2020	AWAR KM 24	NA	11	2	0	1	0	0
7/5/2020	AWAR KM 24	NA	11	1	0	3	0	0
7/5/2020	AWAR KM 27	Some have returned and ATV returned	4	0	0	0	0	0
7/5/2020	AWAR KM 16	NA	22	1	0	1	0	0
7/5/2020	AWAR KM 23	NA	0	0	0	1	0	0
7/5/2020	AWAR KM 23	NA	0	0	0	0	0	0
7/5/2020	AWAR KM 27	NA	19	0	0	3	0	0
7/1/2020	Mine Site	NA	50	0	0	0	0	0
7/5/2020	AWAR KM 27	1 cow nursing	2	2	1	6	0	0
7/4/2020	Mine Site	Percent of large herd	0	0	0	1	0	0
7/4/2020	Site	NA	4	22	1	1	0	1
7/4/2020	AWAR KM 12	NA	17	0	0	2	0	0
7/4/2020	AWAR KM 20	NA	38	0	0	12	0	0
7/4/2020	AWAR KM 16	NA	1	0	0	19	0	0
7/5/2020	AWAR KM 15	NA	0	0	0	0	0	0
7/17/2020	AWAR KM 29	NA	5	0	0	20	1	4
7/15/2020	AWAR KM 11	NA	0	0	0	0	0	0
7/15/2020	Explo	Rest over the hill	5	0	0	0	0	0
7/14/2020	AWAR KM 27	NA	1	0	0	3	0	0
7/12/2020	AWAR KM 20	NA	0	0	0	1	0	0
7/10/2020	Explo	NA	5	0	0	10	0	10
7/9/2020	AWAR KM 27	NA	10	0	0	12	1	7
7/9/2020	AWAR KM 27	NA	10	0	0	0	0	10
7/9/2020	AWAR KM 25	NA	0	0	0	17	0	3
7/9/2020	AWAR KM 21	NA	0	0	0	0	0	0
7/9/2020	AWAR KM 23	Fog rolled in; visibilty getting worse at a distance	0	0	0	0	0	0
7/9/2020	AWAR KM 25	NA	0	0	1	14	0	5
7/8/2020	AWAR KM 29	NA	1	0	0	0	0	0
7/6/2020	AWAR KM Dyno	NA	4	13	0	0	0	0
7/6/2020	AWAR KM 29	NA	0	0	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Comments (18 Minutes)
7/6/2020	AWAR KM 29	NA	95	5	0	0	0	0	NA
7/5/2020	AWAR KM 27	NA	5	0	0	10	2	0	NA
7/2/2020	Mine Site	Walking South; some out of sight	0	0	0	20	0	0	Walking South
7/5/2020	AWAR KM 27	NA	13	2	0	5	0	0	NA
7/5/2020	AWAR KM 24	NA	9	4	0	2	0	0	NA
7/5/2020	AWAR KM 24	NA	9	2	2	2	0	0	NA
7/5/2020	AWAR KM 27	Hunting disturbance	3	0	0	0	1	0	Hunting shots
7/5/2020	AWAR KM 16	NA	21	0	0	2	0	0	NA
7/5/2020	AWAR KM 23	Rest are out of sight	0	0	0	0	0	0	NA
7/5/2020	AWAR KM 23	NA	0	0	0	0	0	0	NA
7/5/2020	AWAR KM 27	NA	22	0	0	0	0	0	NA
7/1/2020	Mine Site	NA	20	0	0	0	0	0	Out of sight
7/5/2020	AWAR KM 27	NA	5	5	0	0	0	0	NA
7/4/2020	Mine Site	Percent of large herd	1	0	0	6	0	3	Percent of large herd; baby very small
7/4/2020	Site	NA	6	21	0	1	0	2	The babies are sooo cute; also, they pranced onto the scene
7/4/2020	AWAR KM 12	Caribou very fluid	17	0	0	7	0	0	NA
7/4/2020	AWAR KM 20	NA	46	6	2	0	0	0	NA
7/4/2020	AWAR KM 16	NA	1	0	0	22	0	0	NA
7/5/2020	AWAR KM 15	NA	0	0	0	0	0	0	NA
7/17/2020	AWAR KM 29	NA	3	0	0	11	0	16	NA
7/15/2020	AWAR KM 11	NA	0	0	0	0	0	0	NA
7/15/2020	Explo	NA	3	0	0	1	1	0	NA
7/14/2020	AWAR KM 27	Rest are out of sight	0	0	0	0	0	1	Rest are out of sight
7/12/2020	AWAR KM 20	NA	0	0	0	0	0	1	NA
7/10/2020	Explo	NA	10	0	0	5	0	11	NA
7/9/2020	AWAR KM 27	NA	0	0	0	0	0	2	Out of sight
7/9/2020	AWAR KM 27	Getting further away; can't see well from such a distance	10	0	0	0	0	10	0
7/9/2020	AWAR KM 25	NA	7	0	0	13	0	0	NA
7/9/2020	AWAR KM 21	No visual	0	0	0	0	0	0	NA
7/9/2020	AWAR KM 23	No visual; foggy	0	0	0	0	0	0	Still no visual
7/9/2020	AWAR KM 25	NA	3	0	0	16	0	1	NA
7/8/2020	AWAR KM 29	NA	0	1	0	0	0	0	Flopped down in marsh
7/6/2020	AWAR KM Dyno	NA	5	9	0	0	0	0	NA
7/6/2020	AWAR KM 29	NA	0	0	0	0	0	0	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)	Alert (21 Minutes)	Trotting (21 Minutes)	Comments (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)
7/6/2020	AWAR KM 29	95	5	0	0	0	0	NA	95	5
7/5/2020	AWAR KM 27	0	0	0	0	0	40	NA	0	0
7/2/2020	Mine Site	0	0	0	20	0	0	Walking South	0	0
7/5/2020	AWAR KM 27	12	1	1	7	0	0	NA	13	1
7/5/2020	AWAR KM 24	7	5	0	3	0	0	NA	6	7
7/5/2020	AWAR KM 24	10	4	0	1	0	0	NA	7	3
7/5/2020	AWAR KM 27	0	0	0	0	3	3	Hunting shots	0	0
7/5/2020	AWAR KM 16	20	2	1	2	0	0	NA	18	0
7/5/2020	AWAR KM 23	0	0	0	0	0	0	NA	0	0
7/5/2020	AWAR KM 23	0	0	0	0	0	0	NA	0	0
7/5/2020	AWAR KM 27	7	0	0	3	2	10	NA	19	2
7/1/2020	Mine Site	20	0	0	0	0	0	NA	50	0
7/5/2020	AWAR KM 27	4	6	0	0	0	0	1 nursing; some merged with larger group	7	6
7/4/2020	Mine Site	7	0	0	3	0	0	Percent of large herd	4	0
7/4/2020	Site	7	22	0	1	0	0	NA	8	21
7/4/2020	AWAR KM 12	13	0	0	4	0	1	NA	12	0
7/4/2020	AWAR KM 20	44	6	0	2	0	0	NA	53	6
7/4/2020	AWAR KM 16	5	0	0	15	0	0	NA	2	2
7/5/2020	AWAR KM 15	0	0	0	0	0	0	NA	0	0
7/17/2020	AWAR KM 29	0	0	0	1	0	29	NA	0	0
7/15/2020	AWAR KM 11	0	0	0	0	0	0	NA	0	0
7/15/2020	Explo	4	0	0	1	0	0	NA	3	0
7/14/2020	AWAR KM 27	0	0	0	15	0	34	NA	6	0
7/12/2020	AWAR KM 20	0	0	0	0	0	0	Out of sight	0	0
7/10/2020	Explo	0	0	0	23	0	2	NA	17	0
7/9/2020	AWAR KM 27	0	0	0	0	0	2	Out of sight	0	0
7/9/2020	AWAR KM 27	13	0	0	7	0	0	NA	0	0
7/9/2020	AWAR KM 25	0	0	0	0	0	20	Group veered North to join much larger herd crossing the road to the East	0	0
7/9/2020	AWAR KM 21	0	0	0	0	0	0	NA	0	0
7/9/2020	AWAR KM 23	0	0	0	0	0	0	No visual	0	0
7/9/2020	AWAR KM 25	4	0	0	16	0	0	NA	3	0
7/8/2020	AWAR KM 29	1	0	0	0	0	0	NA	0	0
7/6/2020	AWAR KM Dyno	5	8	0	0	0	0	NA	6	12
7/6/2020	AWAR KM 29	0	0	0	0	0	0	NA	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Comments (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)	Walking (27 Minutes)
7/6/2020	AWAR KM 29	0	0	0	0	NA	90	10	0	0
7/5/2020	AWAR KM 27	0	40	0	0	NA	9	0	0	10
7/2/2020	Mine Site	0	50	0	0	Walking South	0	0	0	50
7/5/2020	AWAR KM 27	1	5	0	0	NA	6	3	1	10
7/5/2020	AWAR KM 24	1	1	0	0	NA	2	8	1	4
7/5/2020	AWAR KM 24	0	5	0	0	NA	12	2	0	1
7/5/2020	AWAR KM 27	0	8	0	0	NA	0	0	0	0
7/5/2020	AWAR KM 16	1	2	0	0	NA	18	1	1	3
7/5/2020	AWAR KM 23	0	0	0	0	NA	0	0	0	0
7/5/2020	AWAR KM 23	0	0	0	0	NA	0	0	0	0
7/5/2020	AWAR KM 27	0	1	0	0	NA	20	2	0	2
7/1/2020	Mine Site	0	0	0	0	NA	50	0	0	0
7/5/2020	AWAR KM 27	2	0	0	0	1 nursing	4	4	2	4
7/4/2020	Mine Site	1	5	0	0	Percent of large herd	44	0	0	5
7/4/2020	Site	1	0	0	0	NA	7	23	0	1
7/4/2020	AWAR KM 12	0	9	0	0	NA	15	0	0	5
7/4/2020	AWAR KM 20	0	3	0	0	NA	50	6	0	2
7/4/2020	AWAR KM 16	1	15	0	0	NA	9	2	0	11
7/5/2020	AWAR KM 15	0	0	0	0	NA	0	0	0	0
7/17/2020	AWAR KM 29	0	0	0	5	Rest are out of sight over the hill	0	0	0	0
7/15/2020	AWAR KM 11	0	0	0	0	NA	0	0	0	0
7/15/2020	Explo	0	4	0	1	NA	5	0	0	0
7/14/2020	AWAR KM 27	0	16	0	31	NA	18	0	0	9
7/12/2020	AWAR KM 20	0	0	0	0	Out of sight	0	0	0	0
7/10/2020	Explo	0	9	1	5	NA	17	0	0	7
7/9/2020	AWAR KM 27	0	0	0	2	NA	0	0	0	0
7/9/2020	AWAR KM 27	0	20	0	0	NA	20	0	0	0
7/9/2020	AWAR KM 25	0	0	0	20	Have joined larger group	0	0	0	0
7/9/2020	AWAR KM 21	0	0	0	0	NA	0	0	0	0
7/9/2020	AWAR KM 23	0	0	0	0	No visual	0	0	0	0
7/9/2020	AWAR KM 25	0	15	0	2	NA	12	0	0	7
7/8/2020	AWAR KM 29	0	0	1	0	50 m from the road	0	0	0	0
7/6/2020	AWAR KM Dyno	0	0	0	0	NA	1	10	1	0
7/6/2020	AWAR KM 29	0	0	0	0	NA	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (27 Minutes)	Trotting (27 Minutes)	Comments (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
7/6/2020	AWAR KM 29	0	0	NA	80	20	0	0	0	0
7/5/2020	AWAR KM 27	0	0	NA	20	0	0	20	0	0
7/2/2020	Mine Site	0	0	Walking South	0	0	0	50	0	0
7/5/2020	AWAR KM 27	0	0	NA	14	0	0	6	0	0
7/5/2020	AWAR KM 24	0	0	NA	1	5	0	0	0	0
7/5/2020	AWAR KM 24	0	0	NA	11	3	0	1	0	0
7/5/2020	AWAR KM 27	0	0	All are out of sight	0	0	0	0	0	0
7/5/2020	AWAR KM 16	0	0	NA	19	6	0	2	0	0
7/5/2020	AWAR KM 23	0	0	NA	0	0	0	0	0	0
7/5/2020	AWAR KM 23	0	0	NA	0	0	0	0	0	0
7/5/2020	AWAR KM 27	0	0	NA	20	0	1	1	0	0
7/1/2020	Mine Site	0	0	NA	50	0	0	0	0	0
7/5/2020	AWAR KM 27	0	0	NA	4	6	0	2	0	0
7/4/2020	Mine Site	0	1	Percent of large herd	1	0	0	0	0	0
7/4/2020	Site	0	0	NA	7	23	0	2	0	0
7/4/2020	AWAR KM 12	0	0	NA	11	0	1	1	0	0
7/4/2020	AWAR KM 20	0	0	NA	54	6	0	5	0	0
7/4/2020	AWAR KM 16	0	0	NA	9	2	0	11	0	0
7/5/2020	AWAR KM 15	0	0	NA	0	0	0	0	0	0
7/17/2020	AWAR KM 29	0	0	NA	0	0	0	0	0	0
7/15/2020	AWAR KM 11	0	0	NA	0	0	0	0	0	0
7/15/2020	Explo	0	0	NA	1	0	1	1	0	0
7/14/2020	AWAR KM 27	0	28	The ones running are trying to catch up with the group	27	0	0	5	0	23
7/12/2020	AWAR KM 20	0	1	NA	0	0	0	0	0	1
7/10/2020	Explo	0	1	NA	22	0	0	5	0	1
7/9/2020	AWAR KM 27	0	2	NA	5	0	0	0	0	25
7/9/2020	AWAR KM 27	0	0	NA	20	0	0	0	0	0
7/9/2020	AWAR KM 25	0	20	NA	0	0	0	0	0	20
7/9/2020	AWAR KM 21	0	0	NA	0	0	0	0	0	0
7/9/2020	AWAR KM 23	0	0	No visual	0	0	0	0	0	0
7/9/2020	AWAR KM 25	0	0	Some are out of sight	3	0	0	14	0	3
7/8/2020	AWAR KM 29	0	1	Running out of sight	0	0	0	0	0	1
7/6/2020	AWAR KM Dyno	0	0	NA	6	10	0	0	0	0
7/6/2020	AWAR KM 29	0	0	NA	0	0	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (30 Minutes)	Disturbance (0 Minutes)	Disturbance Comments (0 Minutes)
7/6/2020	AWAR KM 29	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA
7/2/2020	Mine Site	Walking South	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA
7/5/2020	AWAR KM 24	Rest are out of sight	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA
7/5/2020	AWAR KM 27	ATV disturbance	ATV	NA
7/5/2020	AWAR KM 16	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA
7/1/2020	Mine Site	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA
7/4/2020	Mine Site	Percent of large herd	NA	NA
7/4/2020	Site	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA
7/4/2020	AWAR KM 20	NA	NA	NA
7/4/2020	AWAR KM 16	NA	NA	NA
7/5/2020	AWAR KM 15	NA	NA	NA
7/17/2020	AWAR KM 29	NA	NA	NA
7/15/2020	AWAR KM 11	NA	Light Truck	Us; caribou saw us before we saw them
7/15/2020	Explo	NA	NA	NA
7/14/2020	AWAR KM 27	NA	NA	NA
7/12/2020	AWAR KM 20	NA	Convoy	NA
7/10/2020	Explo	They have approched the truck	NA	NA
7/9/2020	AWAR KM 27	NA	NA	NA
7/9/2020	AWAR KM 27	NA	NA	NA
7/9/2020	AWAR KM 25	Out of sight	NA	NA
7/9/2020	AWAR KM 21	NA	NA	NA
7/9/2020	AWAR KM 23	No visual	NA	NA
7/9/2020	AWAR KM 25	NA	NA	NA
7/8/2020	AWAR KM 29	Trotted back across the road to the East	NA	Sound of haul trucks in distance for duration of survey
7/6/2020	AWAR KM Dyno	NA	NA	NA
7/6/2020	AWAR KM 29	NA	Convoy	Haul trucks were tractor trailers and maintenance vehicles were school buses

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (3 Minutes)	Disturbance Comments (3 Minutes)	Disturbance (6 Minutes)	Disturbance Comments (6 Minutes)
7/6/2020	AWAR KM 29	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA
7/2/2020	Mine Site	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	ATV	NA
7/5/2020	AWAR KM 16	NA	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA
7/1/2020	Mine Site	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA
7/4/2020	Mine Site	Blast	NA	NA	NA
7/4/2020	Site	NA	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA	NA
7/4/2020	AWAR KM 20	NA	NA	NA	NA
7/4/2020	AWAR KM 16	NA	NA	NA	NA
7/5/2020	AWAR KM 15	NA	NA	NA	NA
7/17/2020	AWAR KM 29	NA	NA	NA	NA
7/15/2020	AWAR KM 11	NA	NA	NA	NA
7/15/2020	Explo	NA	NA	Light Truck	Beacons are on; going more than 15 km/h
7/14/2020	AWAR KM 27	NA	NA	NA	NA
7/12/2020	AWAR KM 20	NA	NA	NA	NA
7/10/2020	Explo	NA	NA	NA	NA
7/9/2020	AWAR KM 27	NA	NA	NA	NA
7/9/2020	AWAR KM 27	Maintenance Vehicle	NA	NA	NA
7/9/2020	AWAR KM 25	NA	NA	NA	NA
7/9/2020	AWAR KM 21	NA	NA	NA	NA
7/9/2020	AWAR KM 23	NA	NA	Haul Truck	Tractor trailer
7/9/2020	AWAR KM 25	NA	NA	Haul Truck	Fuel truck; herd started running the other way when it passed; it was driving at normal AWAR speed; herd was about 400 m from the road
7/8/2020	AWAR KM 29	NA	NA	NA	NA
7/6/2020	AWAR KM Dyno	NA	NA	NA	NA
7/6/2020	AWAR KM 29	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (9 Minutes)	Date	Survey Location	Disturbance Comments (9 Minutes)	Disturbance (12 Minutes)	Disturbance Comments (12 Minutes)
7/6/2020	AWAR KM 29	NA	7/6/2020	AWAR KM 29	NA	NA	NA
7/5/2020	AWAR KM 27	NA	7/5/2020	AWAR KM 27	NA	NA	NA
7/2/2020	Mine Site	NA	7/2/2020	Mine Site	NA	Blast	Underground blast
7/5/2020	AWAR KM 27	NA	7/5/2020	AWAR KM 27	NA	NA	NA
7/5/2020	AWAR KM 24	NA	7/5/2020	AWAR KM 24	NA	NA	NA
7/5/2020	AWAR KM 24	NA	7/5/2020	AWAR KM 24	NA	NA	NA
7/5/2020	AWAR KM 27	NA	7/5/2020	AWAR KM 27	NA	ATV	NA
7/5/2020	AWAR KM 16	NA	7/5/2020	AWAR KM 16	NA	NA	NA
7/5/2020	AWAR KM 23	ATV	7/5/2020	AWAR KM 23	NA	NA	NA
7/5/2020	AWAR KM 23	NA	7/5/2020	AWAR KM 23	NA	NA	NA
7/5/2020	AWAR KM 27	NA	7/5/2020	AWAR KM 27	NA	NA	NA
7/1/2020	Mine Site	NA	7/1/2020	Mine Site	NA	NA	NA
7/5/2020	AWAR KM 27	NA	7/5/2020	AWAR KM 27	NA	NA	NA
7/4/2020	Mine Site	NA	7/4/2020	Mine Site	NA	NA	NA
7/4/2020	Site	NA	7/4/2020	Site	NA	NA	NA
7/4/2020	AWAR KM 12	NA	7/4/2020	AWAR KM 12	NA	NA	NA
7/4/2020	AWAR KM 20	NA	7/4/2020	AWAR KM 20	NA	NA	NA
7/4/2020	AWAR KM 16	NA	7/4/2020	AWAR KM 16	NA	NA	NA
7/5/2020	AWAR KM 15	NA	7/5/2020	AWAR KM 15	NA	NA	NA
7/17/2020	AWAR KM 29	NA	7/17/2020	AWAR KM 29	NA	NA	NA
7/15/2020	AWAR KM 11	NA	7/15/2020	AWAR KM 11	NA	NA	NA
7/15/2020	Explo	Convoy	7/15/2020	Explo	NA	Light Truck	Beacons are on; going more than 15 km/h
7/14/2020	AWAR KM 27	NA	7/14/2020	AWAR KM 27	NA	NA	NA
7/12/2020	AWAR KM 20	NA	7/12/2020	AWAR KM 20	NA	NA	NA
7/10/2020	Explo	NA	7/10/2020	Explo	NA	NA	NA
7/9/2020	AWAR KM 27	NA	7/9/2020	AWAR KM 27	NA	NA	NA
7/9/2020	AWAR KM 27	NA	7/9/2020	AWAR KM 27	NA	NA	NA
7/9/2020	AWAR KM 25	NA	7/9/2020	AWAR KM 25	NA	NA	NA
7/9/2020	AWAR KM 21	NA	7/9/2020	AWAR KM 21	NA	NA	NA
7/9/2020	AWAR KM 23	NA	7/9/2020	AWAR KM 23	NA	NA	NA
7/9/2020	AWAR KM 25	NA	7/9/2020	AWAR KM 25	NA	NA	NA
7/8/2020	AWAR KM 29	NA	7/8/2020	AWAR KM 29	NA	NA	NA
7/6/2020	AWAR KM Dyno	NA	7/6/2020	AWAR KM Dyno	NA	NA	NA
7/6/2020	AWAR KM 29	NA	7/6/2020	AWAR KM 29	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (15 Minutes)	Disturbance Comments (15 Minutes)	Disturbance (18 Minutes)	Disturbance Comments (18 Minutes)	Disturbance (21 Minutes)	Disturbance Comments (21 Minutes)
7/6/2020	AWAR KM 29	NA	NA	NA	NA	Convoy	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA	Hunter	3 gunshots from the South
7/2/2020	Mine Site	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	Hunter	NA	Hunter	NA
7/5/2020	AWAR KM 16	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	Hunter	Shooting	NA	NA
7/1/2020	Mine Site	Blast	Surface blast	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA	NA	NA	NA
7/4/2020	Site	NA	NA	NA	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA	NA	NA	NA
7/4/2020	AWAR KM 20	NA	NA	NA	NA	ATV	2 ATVs on AWAR
7/4/2020	AWAR KM 16	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 15	NA	NA	NA	NA	NA	NA
7/17/2020	AWAR KM 29	NA	NA	NA	NA	Light Truck	NA
7/15/2020	AWAR KM 11	NA	NA	NA	NA	NA	NA
7/15/2020	Explo	NA	NA	Light Truck	Beacons are on; going more than 15 km/h	NA	NA
7/14/2020	AWAR KM 27	NA	NA	NA	NA	NA	NA
7/12/2020	AWAR KM 20	NA	NA	NA	NA	NA	NA
7/10/2020	Explo	NA	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 27	NA	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 27	NA	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 25	NA	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 21	NA	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 25	NA	NA	NA	NA	NA	NA
7/8/2020	AWAR KM 29	NA	NA	NA	NA	NA	NA
7/6/2020	AWAR KM Dyno	NA	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 29	NA	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (24 Minutes)	Disturbance Comments (24 Minutes)	Disturbance (27 Minutes)	Disturbance Comments (27 Minutes)	Disturbance (30 Minutes)
7/6/2020	AWAR KM 29	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA	NA
7/2/2020	Mine Site	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 16	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA	NA
7/1/2020	Mine Site	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 27	NA	NA	NA	NA	NA
7/4/2020	Mine Site	NA	NA	NA	NA	NA
7/4/2020	Site	NA	NA	NA	NA	NA
7/4/2020	AWAR KM 12	NA	NA	NA	NA	NA
7/4/2020	AWAR KM 20	NA	NA	NA	NA	ATV
7/4/2020	AWAR KM 16	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 15	NA	NA	NA	NA	NA
7/17/2020	AWAR KM 29	Light Truck	NA	NA	NA	NA
7/15/2020	AWAR KM 11	NA	NA	NA	NA	NA
7/15/2020	Explo	Light Truck	NA	NA	NA	NA
7/14/2020	AWAR KM 27	NA	NA	NA	NA	NA
7/12/2020	AWAR KM 20	NA	NA	NA	NA	NA
7/10/2020	Explo	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 27	NA	NA	NA	NA	Convoy
7/9/2020	AWAR KM 27	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 25	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 21	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 23	NA	NA	NA	NA	NA
7/9/2020	AWAR KM 25	NA	NA	NA	NA	NA
7/8/2020	AWAR KM 29	ATV	NA	NA	NA	NA
7/6/2020	AWAR KM Dyno	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 29	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance Comments (30 Minutes)
7/6/2020	AWAR KM 29	NA
7/5/2020	AWAR KM 27	NA
7/2/2020	Mine Site	NA
7/5/2020	AWAR KM 27	NA
7/5/2020	AWAR KM 24	NA
7/5/2020	AWAR KM 24	NA
7/5/2020	AWAR KM 27	NA
7/5/2020	AWAR KM 16	NA
7/5/2020	AWAR KM 23	NA
7/5/2020	AWAR KM 23	NA
7/5/2020	AWAR KM 27	NA
7/1/2020	Mine Site	NA
7/5/2020	AWAR KM 27	NA
7/4/2020	Mine Site	NA
7/4/2020	Site	NA
7/4/2020	AWAR KM 12	NA
7/4/2020	AWAR KM 20	2 ATVs on AWAR
7/4/2020	AWAR KM 16	NA
7/5/2020	AWAR KM 15	NA
7/5/2020	AWAR KM 15	NA
7/17/2020	AWAR KM 29	NA
7/15/2020	AWAR KM 11	NA
7/15/2020	Explo	NA
7/14/2020	AWAR KM 27	NA
7/12/2020	AWAR KM 20	NA
7/10/2020	Explo	NA
7/9/2020	AWAR KM 27	4 buses, 2 flatbeds and hinos
7/9/2020	AWAR KM 27	NA
7/9/2020	AWAR KM 25	NA
7/9/2020	AWAR KM 21	NA
7/9/2020	AWAR KM 23	NA
7/9/2020	AWAR KM 25	NA
7/8/2020	AWAR KM 29	NA
7/6/2020	AWAR KM Dyno	NA
7/6/2020	AWAR KM 29	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	UTM Easting	UTM Northing	Distance from Caribou to Observer Location (m)	Distance from Caribou to Infrastructure (m)	Bearing to Group (°)	Group East or West	Group Crossed Road	Group Size	Temperature (°C)
7/6/2020	AWAR KM 29	541510	6987399	NA	NA	45	East	No	>1,000	16
7/6/2020	AWAR KM 23	543606	6983974	NA	NA	10	East	No	>1,000	14
7/6/2020	AWAR KM 26	542291	6984827	NA	NA	290	West	No	1	13
7/5/2020	AWAR KM 23	543774	6983481	NA	NA	60	East	No	>1,000	18
7/5/2020	AWAR KM 15	547921	6977400	NA	NA	180	West	No	50-100	14
7/5/2020	AWAR KM 24	543721	6983660	NA	NA	180	East	No	12	13
7/5/2020	AWAR KM 16	547873	6977710	NA	NA	270	West	No	50-100	19
7/5/2020	AWAR KM 24	542934	6984431	NA	NA	120	West	No	20	12
6/25/2021	Mine Site	539148	6990423	600	600	270	East	No	250	3
6/27/2021	AWAR KM 16	547416	6978330	261	261	90	West	No	8	9
6/27/2021	Mine Site	539021	6990208	2,100	1,500	360	East	No	1	11
6/28/2021	Explo	542045	6989158	2,200	2,200	45	East	No	117	12
6/28/2021	AWAR KM 22	544145	6982624	225	5	320	East	Yes	3	12
6/28/2021	AWAR KM 24	543519	6984046	1,030	1,030	40	East	No	3	12
6/28/2021	Explo	542045	6989158	2,200	2,200	40	East	No	150	11
6/29/2021	AWAR KM 30, Explo	541267	6988440	1,900	1,000	180	West	Yes	5,000	19
6/29/2021	TIRI1, AWAR KM 28	539672	6988266	2,000	0	130	West	Yes	5,000	18
6/29/2021	Explo	542033	6989156	300	200	350	East	No	1	15
6/29/2021	AWAR KM 30, Explo	541267	6988440	463	0	180	East	Yes	5,000	19
6/29/2021	AWAR KM 28, TIRI1	539672	6988266	430	430	190	West	No	5,000	19
6/29/2021	AWAR KM 28	540326	6988058	1,000	500	180	East	Yes	500	19
6/30/2021	Explo Road	541794	6988900	460	460	330	East	No	5	12
6/30/2021	Mine Site	539232	6989153	730	500	220	West	No	28	13
6/30/2021	AWAR KM 27	540865	6985852	708	330	160	West	No	2,000	10
6/30/2021	Explo Road	540825	6988994	246	30	120	East	Yes	17	14
6/30/2021	AWAR KM 26	543091	6984413	670	670	224	West	No	2,000	10
6/30/2021	AWAR KM 26	542685	6984470	380	270	257	West	No	200	12
7/1/2021	AWAR KM 24	542809	6984429	202	0	300	East/West	Yes	500	17
7/1/2021	AWAR KM 23	543339	6984198	500	70	170	West	Yes	60	11
7/1/2021	AWAR KM 24	542210	6984922	350	0	310	East/West	Yes	275	18
7/1/2021	AWAR KM 23	540714	6985954	840	840	235	West	No	83	11
7/1/2021	AWAR KM 23	543339	6984198	234	150	85	East	No	2	11
7/1/2021	AWAR KM 24	542210	6984922	350	0	310	East/West	Yes	275	18
7/2/2021	AWAR KM 20	545579	6980741	213	175	320	West	No	107	13
7/2/2021	AWAR KM 13	547885	6976672	300	250	40	East	No	5	14
7/2/2021	AWAR KM 19	546154	6980043	1,000	364	180	East	No	50	9
7/2/2021	AWAR KM 17	546294	6979469	800	800	175	West	No	2,000	17

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Wind Speed (km/h)	Wind Direction (°)	Road Height (cm)	Road Width (cm)	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)
7/6/2020	AWAR KM 29	12	180	100	200	5	24	0	0	0	0
7/6/2020	AWAR KM 23	14	180	100	100	12	43	0	2	0	0
7/6/2020	AWAR KM 26	9	180	100	100	0	0	0	1	0	0
7/5/2020	AWAR KM 23	13	200	2	3	13	7	1	2	0	0
7/5/2020	AWAR KM 15	14	180	150	200	13	0	0	4	1	0
7/5/2020	AWAR KM 24	16	200	100	100	2	4	0	6	0	0
7/5/2020	AWAR KM 16	4	180	200	150	17	0	2	7	0	0
7/5/2020	AWAR KM 24	11	180	200	100	0	0	2	2	0	0
6/25/2021	Mine Site	18	0	NA	NA	19	6	0	0	0	0
6/27/2021	AWAR KM 16	12	140	150	200	0	7	0	0	0	0
6/27/2021	Mine Site	9	90	NA	NA	0	0	0	0	1	0
6/28/2021	Explo	4	320	NA	NA	14	11	0	0	0	0
6/28/2021	AWAR KM 22	4	320	100	200	1	0	0	0	2	0
6/28/2021	AWAR KM 24	5	320	100	200	0	0	0	3	0	0
6/28/2021	Explo	6	320	NA	NA	7	18	0	0	0	0
6/29/2021	AWAR KM 30, Explo	9	320	100	150	19	0	10	0	1	0
6/29/2021	TIRI1, AWAR KM 28	6	320	100	150	11	0	0	10	2	2
6/29/2021	Explo	7	320	NA	NA	0	1	0	0	0	0
6/29/2021	AWAR KM 30, Explo	9	320	100	150	20	0	0	9	1	0
6/29/2021	AWAR KM 28, TIRI1	1	320	NA	NA	16	4	0	5	0	0
6/29/2021	AWAR KM 28	9	320	100	150	4	4	0	20	2	0
6/30/2021	Explo Road	19	220	100	100	0	7	0	0	0	0
6/30/2021	Mine Site	14	220	NA	NA	5	23	0	0	0	0
6/30/2021	AWAR KM 27	28	220	100	100	14	3	0	2	0	1
6/30/2021	Explo Road	6	220	100	100	2	0	0	1	0	1
6/30/2021	AWAR KM 26	25	140	100	100	7	1	0	10	0	2
6/30/2021	AWAR KM 26	21	140	100	100	12	0	0	2	0	1
7/1/2021	AWAR KM 24	5	180	100	100	16	3	0	0	0	3
7/1/2021	AWAR KM 23	19	180	100	100	9	0	0	9	0	5
7/1/2021	AWAR KM 24	4	180	100	100	12	2	0	1	2	4
7/1/2021	AWAR KM 23	9	180	100	100	12	0	0	5	3	0
7/1/2021	AWAR KM 23	19	180	100	100	2	0	0	0	0	0
7/1/2021	AWAR KM 24	4	180	100	100	11	3	0	6	0	1
7/2/2021	AWAR KM 20	10	320	100	100	22	0	0	4	0	0
7/2/2021	AWAR KM 13	5	320	100	100	4	0	0	0	1	0
7/2/2021	AWAR KM 19	14	320	NA	NA	21	3	0	3	2	1
7/2/2021	AWAR KM 17	17	320	100	100	4	0	1	25	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)	Comments (3 Minutes)
7/6/2020	AWAR KM 29	NA	9	28	2	0	0	0	NA
7/6/2020	AWAR KM 23	NA	9	38	0	3	0	0	NA
7/6/2020	AWAR KM 26	NA	0	0	0	0	0	0	Out of sight
7/5/2020	AWAR KM 23	1 nursing	18	4	1	0	0	0	NA
7/5/2020	AWAR KM 15	NA	11	0	0	2	2	0	NA
7/5/2020	AWAR KM 24	NA	5	5	0	0	0	0	NA
7/5/2020	AWAR KM 16	NA	21	0	0	2	0	0	Some drifted away
7/5/2020	AWAR KM 24	NA	3	0	0	2	0	0	Walking out of sight
6/25/2021	Mine Site	NA	19	6	0	0	0	0	NA
6/27/2021	AWAR KM 16	NA	0	0	0	0	7	0	Pickup truck driving by and caribou still lying down
6/27/2021	Mine Site	NA	1	0	0	0	0	0	NA
6/28/2021	Explo	NA	8	16	0	1	0	0	NA
6/28/2021	AWAR KM 22	NA	1	0	0	1	1	0	NA
6/28/2021	AWAR KM 24	NA	0	0	0	3	0	0	NA
6/28/2021	Explo	NA	10	15	0	0	0	0	NA
6/29/2021	AWAR KM 30, Explo	NA	0	0	0	0	0	30	ATV
6/29/2021	TIRI1, AWAR KM 28	NA	15	0	0	9	0	1	NA
6/29/2021	Explo	NA	0	0	0	0	1	0	NA
6/29/2021	AWAR KM 30, Explo	NA	20	0	0	10	1	0	Crossing over the road into view from the East
6/29/2021	AWAR KM 28, TIRI1	NA	15	3	0	7	0	0	NA
6/29/2021	AWAR KM 28	NA	1	4	0	21	4	0	Convoy slowly approaching
6/30/2021	Explo Road	NA	0	7	0	0	0	0	NA
6/30/2021	Mine Site	NA	5	23	0	0	0	0	NA
6/30/2021	AWAR KM 27	NA	13	1	0	0	1	0	NA
6/30/2021	Explo Road	NA	2	0	0	1	1	0	NA
6/30/2021	AWAR KM 26	NA	12	5	0	3	0	0	NA
6/30/2021	AWAR KM 26	NA	13	0	0	1	2	0	NA
7/1/2021	AWAR KM 24	NA	13	2	0	4	0	1	NA
7/1/2021	AWAR KM 23	NA	7	0	0	1	2	10	Crossing the road
7/1/2021	AWAR KM 24	On the road	0	0	0	0	2	18	Group running for entire 3 minute interval; truck proceeding slowly
7/1/2021	AWAR KM 23	NA	14	0	0	3	3	0	NA
7/1/2021	AWAR KM 23	NA	0	1	0	0	1	0	NA
7/1/2021	AWAR KM 24	Group on the road	10	1	1	8	0	0	NA
7/2/2021	AWAR KM 20	NA	16	0	0	6	3	0	NA
7/2/2021	AWAR KM 13	NA	3	0	0	1	1	0	NA
7/2/2021	AWAR KM 19	NA	27	1	0	2	1	0	NA
7/2/2021	AWAR KM 17	NA	3	0	0	25	4	0	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Comments (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)
7/6/2020	AWAR KM 29	8	27	1	1	0	0	NA	6	30	0	0
7/6/2020	AWAR KM 23	12	36	0	3	0	1	NA	12	39	0	3
7/6/2020	AWAR KM 26	0	0	0	0	0	0	Out of sight	0	0	0	0
7/5/2020	AWAR KM 23	16	5	0	2	0	0	NA	10	6	2	4
7/5/2020	AWAR KM 15	0	0	0	0	5	13	NA	0	0	0	18
7/5/2020	AWAR KM 24	2	2	0	6	0	0	NA	2	5	1	3
7/5/2020	AWAR KM 16	18	0	0	3	0	0	NA	12	0	0	7
7/5/2020	AWAR KM 24	4	0	0	3	0	0	NA	2	0	3	4
6/25/2021	Mine Site	20	0	2	3	0	0	NA	18	5	1	1
6/27/2021	AWAR KM 16	0	7	0	0	0	0	NA	0	7	0	0
6/27/2021	Mine Site	1	0	0	0	0	0	NA	0	0	0	1
6/28/2021	Explo	12	13	0	0	0	0	NA	11	9	0	4
6/28/2021	AWAR KM 22	0	0	0	1	2	0	NA	0	0	0	1
6/28/2021	AWAR KM 24	3	0	0	0	0	0	NA	1	0	0	1
6/28/2021	Explo	8	17	0	0	0	0	NA	9	11	0	5
6/29/2021	AWAR KM 30, Explo	5	0	0	15	0	10	Majority of group out of sight	11	0	0	15
6/29/2021	TIRI1, AWAR KM 28	15	0	0	7	2	1	NA	20	0	0	5
6/29/2021	Explo	0	1	0	0	0	0	NA	0	1	0	0
6/29/2021	AWAR KM 30, Explo	23	0	0	4	0	3	Crossing over the road into view from the East	19	0	0	7
6/29/2021	AWAR KM 28, TIRI1	20	2	0	3	0	0	NA	16	4	0	4
6/29/2021	AWAR KM 28	4	6	0	12	2	6	Crossing the road	3	0	0	20
6/30/2021	Explo Road	0	7	0	0	0	0	NA	0	7	0	0
6/30/2021	Mine Site	6	18	0	0	0	0	NA	4	23	0	1
6/30/2021	AWAR KM 27	16	4	0	0	0	0	NA	16	3	0	1
6/30/2021	Explo Road	6	0	0	2	1	0	NA	10	0	0	0
6/30/2021	AWAR KM 26	15	3	0	2	0	0	NA	15	1	0	2
6/30/2021	AWAR KM 26	6	0	0	7	2	2	NA	12	0	0	2
7/1/2021	AWAR KM 24	17	3	0	1	0	0	NA	16	2	0	1
7/1/2021	AWAR KM 23	1	0	0	9	2	8	Crossing/Travelling on the road	1	0	0	3
7/1/2021	AWAR KM 24	1	0	0	0	5	14	NA	0	0	0	0
7/1/2021	AWAR KM 23	17	1	1	1	1	0	Group merged into larger group of ~300	18	0	0	1
7/1/2021	AWAR KM 23	2	0	0	0	0	0	NA	0	0	0	0
7/1/2021	AWAR KM 24	11	1	0	4	0	4	NA	13	3	1	2
7/2/2021	AWAR KM 20	16	0	0	17	0	1	NA	18	0	2	18
7/2/2021	AWAR KM 13	4	0	0	0	1	0	NA	0	0	0	2
7/2/2021	AWAR KM 19	26	1	0	2	0	1	NA	18	1	0	2
7/2/2021	AWAR KM 17	0	1	0	1	5	25	1 caribou shot down; possibly 1 wounded	20	0	0	12

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (9 Minutes)	Trotting (9 Minutes)	Comments (9 Minutes)	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)
7/6/2020	AWAR KM 29	0	0	NA	8	24	0	0	0	0
7/6/2020	AWAR KM 23	0	0	NA	0	0	0	0	0	0
7/6/2020	AWAR KM 26	0	0	Out of sight	0	0	0	0	0	0
7/5/2020	AWAR KM 23	1	0	NA	10	5	4	4	0	0
7/5/2020	AWAR KM 15	0	0	Walking out of sight away from the road	0	0	0	0	0	0
7/5/2020	AWAR KM 24	0	0	Some merged with larger group	2	4	1	4	1	0
7/5/2020	AWAR KM 16	0	0	On the road	18	0	0	3	0	0
7/5/2020	AWAR KM 24	0	0	Walking out of sight	1	0	0	8	0	0
6/25/2021	Mine Site	0	0	NA	16	7	1	1	0	0
6/27/2021	AWAR KM 16	0	0	NA	0	0	0	0	7	0
6/27/2021	Mine Site	0	0	Walking out of sight	0	0	0	1	0	0
6/28/2021	Explo	0	0	NA	9	14	0	2	0	0
6/28/2021	AWAR KM 22	2	0	Crossing the road	2	0	0	0	1	0
6/28/2021	AWAR KM 24	0	1	NA	0	0	0	1	1	1
6/28/2021	Explo	0	0	NA	6	19	0	0	0	0
6/29/2021	AWAR KM 30, Explo	0	4	Surveying segment further away	10	0	0	20	0	0
6/29/2021	TIRI1, AWAR KM 28	0	0	NA	10	0	0	10	0	5
6/29/2021	Explo	0	0	NA	0	1	0	0	0	0
6/29/2021	AWAR KM 30, Explo	0	4	Crossing over the road into view from the East	19	0	0	9	1	1
6/29/2021	AWAR KM 28, TIRI1	1	0	NA	13	5	1	5	1	0
6/29/2021	AWAR KM 28	3	4	Crossing the road	0	0	0	26	4	0
6/30/2021	Explo Road	0	0	NA	0	7	0	0	0	0
6/30/2021	Mine Site	0	0	NA	3	20	0	3	0	0
6/30/2021	AWAR KM 27	0	0	NA	13	1	0	2	2	2
6/30/2021	Explo Road	0	0	NA	8	0	0	0	2	0
6/30/2021	AWAR KM 26	1	1	NA	4	3	0	7	3	2
6/30/2021	AWAR KM 26	0	0	NA	8	0	0	1	1	0
7/1/2021	AWAR KM 24	1	0	NA	8	1	0	8	3	0
7/1/2021	AWAR KM 23	2	9	NA	8	0	0	6	0	7
7/1/2021	AWAR KM 24	0	20	NA	1	0	0	4	0	15
7/1/2021	AWAR KM 23	1	0	NA	17	2	0	1	0	0
7/1/2021	AWAR KM 23	0	2	NA	1	1	0	0	0	0
7/1/2021	AWAR KM 24	1	0	NA	10	2	2	6	1	0
7/2/2021	AWAR KM 20	2	0	NA	25	0	1	16	1	2
7/2/2021	AWAR KM 13	0	3	NA	0	0	0	1	0	4
7/2/2021	AWAR KM 19	1	0	NA	25	1	0	4	0	0
7/2/2021	AWAR KM 17	5	0	NA	26	1	0	0	3	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)	Trotting (15 Minutes)
7/6/2020	AWAR KM 29	NA	0	0	0	0	0	0
7/6/2020	AWAR KM 23	NA	12	39	0	2	0	0
7/6/2020	AWAR KM 26	Out of sight	2	0	0	0	0	0
7/5/2020	AWAR KM 23	1 nursing	0	0	3	20	0	0
7/5/2020	AWAR KM 15	All out of sight	2	0	0	0	1	0
7/5/2020	AWAR KM 24	NA	3	8	0	0	1	0
7/5/2020	AWAR KM 16	NA	14	0	0	2	0	0
7/5/2020	AWAR KM 24	On ridge	1	0	0	7	0	0
6/25/2021	Mine Site	NA	16	7	1	1	0	0
6/27/2021	AWAR KM 16	5 stood up; all alert	0	7	0	0	0	0
6/27/2021	Mine Site	Walking out of sight	0	0	0	0	0	0
6/28/2021	Explo	NA	8	16	0	1	0	0
6/28/2021	AWAR KM 22	Crossing the road; shaking their heads from insects	3	0	0	0	0	0
6/28/2021	AWAR KM 24	NA	0	0	0	1	2	0
6/28/2021	Explo	NA	12	13	0	0	0	0
6/29/2021	AWAR KM 30, Explo	NA	15	0	0	10	0	5
6/29/2021	TIRI1, AWAR KM 28	NA	15	0	0	8	1	1
6/29/2021	Explo	NA	0	1	0	0	0	0
6/29/2021	AWAR KM 30, Explo	Stopping to look around on the road	17	0	0	3	0	0
6/29/2021	AWAR KM 28, TIRI1	NA	16	7	1	1	0	0
6/29/2021	AWAR KM 28	Crossing the road	4	3	0	30	0	0
6/30/2021	Explo Road	NA	1	6	0	0	0	0
6/30/2021	Mine Site	NA	6	8	0	8	2	0
6/30/2021	AWAR KM 27	NA	4	0	0	0	6	10
6/30/2021	Explo Road	NA	12	0	0	0	1	0
6/30/2021	AWAR KM 26	NA	16	0	0	2	1	1
6/30/2021	AWAR KM 26	NA	8	0	0	1	2	0
7/1/2021	AWAR KM 24	NA	11	3	2	2	0	2
7/1/2021	AWAR KM 23	NA	2	0	0	10	0	3
7/1/2021	AWAR KM 24	NA	0	0	0	10	0	10
7/1/2021	AWAR KM 23	NA	18	1	0	0	1	0
7/1/2021	AWAR KM 23	NA	1	1	0	0	0	0
7/1/2021	AWAR KM 24	NA	14	3	1	1	1	0
7/2/2021	AWAR KM 20	NA	14	0	0	22	3	0
7/2/2021	AWAR KM 13	NA	1	0	0	2	0	2
7/2/2021	AWAR KM 19	NA	20	2	0	4	0	1
7/2/2021	AWAR KM 17	3 caribou watching hunter	26	0	0	0	2	2

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Comments (18 Minutes)
7/6/2020	AWAR KM 29	NA	4	24	0	0	0	0	NA
7/6/2020	AWAR KM 23	NA	18	28	0	1	0	0	NA
7/6/2020	AWAR KM 26	Found caribou with a new partner	0	0	0	1	0	1	NA
7/5/2020	AWAR KM 23	NA	0	0	0	23	0	0	Group blended in with the rest of the herd
7/5/2020	AWAR KM 15	Out of sight	1	0	0	1	1	0	NA
7/5/2020	AWAR KM 24	NA	4	5	0	1	0	0	Hard to see calves
7/5/2020	AWAR KM 16	1 crossed the road	15	0	0	4	1	0	NA
7/5/2020	AWAR KM 24	NA	4	0	0	2	0	0	In and out of sight on ridge
6/25/2021	Mine Site	NA	15	8	0	2	0	0	NA
6/27/2021	AWAR KM 16	NA	0	1	0	0	6	0	NA
6/27/2021	Mine Site	Out of sight	0	0	0	0	0	0	Out of sight
6/28/2021	Explo	NA	7	18	0	0	0	0	NA
6/28/2021	AWAR KM 22	NA	0	0	0	0	0	3	NA
6/28/2021	AWAR KM 24	NA	0	0	0	0	0	3	NA
6/28/2021	Explo	NA	10	15	0	0	0	0	NA
6/29/2021	AWAR KM 30, Explo	NA	15	0	0	13	1	0	NA
6/29/2021	TIRI1, AWAR KM 28	Small group running	1	0	0	20	0	5	On the move
6/29/2021	Explo	NA	0	1	0	0	0	0	NA
6/29/2021	AWAR KM 30, Explo	NA	20	0	0	8	2	1	NA
6/29/2021	AWAR KM 28, TIRI1	NA	19	6	0	0	0	0	NA
6/29/2021	AWAR KM 28	NA	10	0	0	20	2	0	HTO truck visible -> not moving
6/30/2021	Explo Road	NA	0	7	0	0	0	0	NA
6/30/2021	Mine Site	NA	10	13	1	3	0	0	NA
6/30/2021	AWAR KM 27	NA	0	0	0	0	0	0	Survey interrupted by conversation with local on ATV
6/30/2021	Explo Road	NA	10	0	0	0	1	0	NA
6/30/2021	AWAR KM 26	NA	15	3	0	2	0	2	NA
6/30/2021	AWAR KM 26	Main group out of sight	3	0	0	1	1	0	NA
7/1/2021	AWAR KM 24	NA	14	1	1	3	1	0	NA
7/1/2021	AWAR KM 23	NA	7	0	0	6	2	2	Still walking on the road
7/1/2021	AWAR KM 24	NA	1	0	0	15	0	6	NA
7/1/2021	AWAR KM 23	NA	19	1	0	4	1	0	NA
7/1/2021	AWAR KM 23	NA	0	2	0	0	0	0	NA
7/1/2021	AWAR KM 24	NA	14	3	2	1	0	0	NA
7/2/2021	AWAR KM 20	NA	5	0	0	31	0	0	NA
7/2/2021	AWAR KM 13	NA	0	0	0	0	0	5	Running out of sight
7/2/2021	AWAR KM 19	NA	23	3	0	4	0	0	NA
7/2/2021	AWAR KM 17	NA	27	1	1	0	0	1	1 panicked caribou running around hunter

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)	Alert (21 Minutes)	Trotting (21 Minutes)	Comments (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)
7/6/2020	AWAR KM 29	2	19	0	6	0	0	NA	2	19
7/6/2020	AWAR KM 23	19	18	0	0	0	0	Many have moved out of sight	14	19
7/6/2020	AWAR KM 26	0	0	0	2	0	0	NA	0	0
7/5/2020	AWAR KM 23	0	0	0	23	0	0	NA	0	0
7/5/2020	AWAR KM 15	2	0	0	0	1	0	NA	2	0
7/5/2020	AWAR KM 24	3	7	0	2	0	0	NA	2	8
7/5/2020	AWAR KM 16	14	0	0	5	0	0	NA	14	0
7/5/2020	AWAR KM 24	1	0	0	4	1	0	NA	3	0
6/25/2021	Mine Site	15	8	0	1	1	0	NA	15	7
6/27/2021	AWAR KM 16	0	7	0	0	0	0	NA	0	7
6/27/2021	Mine Site	0	0	0	0	0	0	Out of sight	0	0
6/28/2021	Explo	7	18	0	0	0	0	NA	2	23
6/28/2021	AWAR KM 22	1	0	0	0	2	0	NA	0	0
6/28/2021	AWAR KM 24	0	0	0	0	0	3	NA	0	0
6/28/2021	Explo	7	18	0	0	0	0	NA	9	15
6/29/2021	AWAR KM 30, Explo	0	0	0	0	0	0	Out of sight	0	0
6/29/2021	TIRI1, AWAR KM 28	11	0	0	9	0	5	NA	10	0
6/29/2021	Explo	1	0	0	0	0	0	NA	0	1
6/29/2021	AWAR KM 30, Explo	25	0	0	3	2	0	NA	24	0
6/29/2021	AWAR KM 28, TIRI1	14	6	1	2	1	0	NA	15	8
6/29/2021	AWAR KM 28	6	0	0	20	4	0	NA	0	0
6/30/2021	Explo Road	0	7	0	0	0	0	NA	0	7
6/30/2021	Mine Site	7	16	0	0	1	0	NA	6	21
6/30/2021	AWAR KM 27	0	0	0	0	0	0	Survey interrupted by conversation with local on ATV	0	0
6/30/2021	Explo Road	8	0	0	0	3	0	NA	10	0
6/30/2021	AWAR KM 26	16	5	0	1	1	0	NA	17	2
6/30/2021	AWAR KM 26	16	0	0	10	4	0	NA	14	0
7/1/2021	AWAR KM 24	15	2	0	2	0	1	NA	15	2
7/1/2021	AWAR KM 23	6	0	0	12	2	0	NA	6	0
7/1/2021	AWAR KM 24	1	0	0	8	1	4	Group going out of sight; appear to be relocating following disturbance	0	0
7/1/2021	AWAR KM 23	11	0	2	6	1	2	NA	17	1
7/1/2021	AWAR KM 23	0	2	0	0	0	0	NA	0	2
7/1/2021	AWAR KM 24	12	8	0	0	3	0	NA	12	6
7/2/2021	AWAR KM 20	8	0	1	5	2	10	Convoy approaching	13	0
7/2/2021	AWAR KM 13	0	0	0	0	0	0	Out of sight	0	0
7/2/2021	AWAR KM 19	15	2	0	7	0	0	NA	23	2
7/2/2021	AWAR KM 17	27	1	0	1	0	1	1 panicked caribou running around hunter	30	2

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Comments (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)	Walking (27 Minutes)
7/6/2020	AWAR KM 29	0	7	0	0	NA	10	14	0	2
7/6/2020	AWAR KM 23	0	2	0	0	NA	13	27	0	0
7/6/2020	AWAR KM 26	0	1	0	0	Partner is now out of sight	0	0	0	0
7/5/2020	AWAR KM 23	0	23	0	0	NA	0	0	0	0
7/5/2020	AWAR KM 15	0	1	2	0	NA	0	0	0	0
7/5/2020	AWAR KM 24	0	0	0	0	NA	2	8	0	0
7/5/2020	AWAR KM 16	0	4	1	0	NA	10	0	1	0
7/5/2020	AWAR KM 24	0	21	2	0	Some appeared on ridge	2	0	0	1
6/25/2021	Mine Site	0	3	0	0	NA	13	11	0	1
6/27/2021	AWAR KM 16	0	0	0	0	NA	0	7	0	0
6/27/2021	Mine Site	0	0	0	0	Out of sight	0	0	0	0
6/28/2021	Explo	0	0	0	0	NA	3	22	0	0
6/28/2021	AWAR KM 22	0	0	0	3	NA	0	0	0	0
6/28/2021	AWAR KM 24	0	3	0	0	NA	0	0	0	0
6/28/2021	Explo	0	0	1	0	NA	9	13	0	2
6/29/2021	AWAR KM 30, Explo	0	0	0	0	Out of sight	0	0	0	0
6/29/2021	TIRI1, AWAR KM 28	0	3	1	10	NA	12	0	0	13
6/29/2021	Explo	0	0	0	0	NA	0	1	0	0
6/29/2021	AWAR KM 30, Explo	0	5	1	0	NA	25	3	0	4
6/29/2021	AWAR KM 28, TIRI1	0	3	0	0	NA	16	6	0	2
6/29/2021	AWAR KM 28	0	26	4	0	NA	0	0	0	26
6/30/2021	Explo Road	0	0	0	0	NA	3	2	2	0
6/30/2021	Mine Site	0	0	0	0	NA	8	21	0	0
6/30/2021	AWAR KM 27	0	20	0	0	NA	0	0	0	20
6/30/2021	Explo Road	0	1	0	0	NA	10	0	0	0
6/30/2021	AWAR KM 26	0	2	0	0	NA	15	3	0	3
6/30/2021	AWAR KM 26	0	0	1	2	1 nursing	4	0	0	15
7/1/2021	AWAR KM 24	0	1	2	0	NA	16	4	1	3
7/1/2021	AWAR KM 23	0	13	0	3	Most have crossed road West to East	10	0	0	7
7/1/2021	AWAR KM 24	0	5	0	15	NA	1	0	0	5
7/1/2021	AWAR KM 23	0	2	0	0	NA	19	2	0	0
7/1/2021	AWAR KM 23	0	0	0	0	NA	0	2	0	0
7/1/2021	AWAR KM 24	1	2	0	0	NA	12	8	0	1
7/2/2021	AWAR KM 20	0	16	4	8	NA	5	0	0	35
7/2/2021	AWAR KM 13	0	0	0	0	Out of sight	0	0	0	0
7/2/2021	AWAR KM 19	0	5	0	0	NA	25	3	0	2
7/2/2021	AWAR KM 17	0	0	0	1	1 panicked caribou running around hunter	30	0	1	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (27 Minutes)	Trotting (27 Minutes)	Comments (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
7/6/2020	AWAR KM 29	0	0	NA	1	8	0	12	0	0
7/6/2020	AWAR KM 23	0	0	NA	20	21	0	4	0	0
7/6/2020	AWAR KM 26	0	1	NA	0	0	0	1	0	0
7/5/2020	AWAR KM 23	0	0	50% walking and 50% eating	20	0	0	3	0	0
7/5/2020	AWAR KM 15	3	4	NA	2	0	0	0	0	0
7/5/2020	AWAR KM 24	0	0	NA	1	7	1	0	0	0
7/5/2020	AWAR KM 16	0	0	NA	7	0	0	6	1	3
7/5/2020	AWAR KM 24	0	0	Out of sight	0	0	0	12	0	0
6/25/2021	Mine Site	0	0	NA	18	5	0	2	0	0
6/27/2021	AWAR KM 16	0	0	NA	0	0	0	0	7	0
6/27/2021	Mine Site	0	0	Out of sight	0	0	0	0	0	0
6/28/2021	Explo	0	0	NA	4	21	0	0	0	0
6/28/2021	AWAR KM 22	0	3	NA	0	0	0	0	0	3
6/28/2021	AWAR KM 24	0	0	Out of sight	0	0	0	0	0	0
6/28/2021	Explo	1	0	NA	7	17	0	1	0	0
6/29/2021	AWAR KM 30, Explo	0	0	Out of sight	0	0	0	0	0	0
6/29/2021	TIRI1, AWAR KM 28	0	0	NA	12	0	0	12	0	2
6/29/2021	Explo	0	0	NA	0	1	0	0	0	0
6/29/2021	AWAR KM 30, Explo	1	0	NA	28	3	0	3	0	0
6/29/2021	AWAR KM 28, TIRI1	1	0	1 nursing	15	6	0	2	0	1
6/29/2021	AWAR KM 28	4	0	Caribou going along the road	10	0	0	20	0	0
6/30/2021	Explo Road	0	0	NA	3	3	1	0	0	0
6/30/2021	Mine Site	0	0	NA	5	20	0	1	1	0
6/30/2021	AWAR KM 27	0	0	NA	5	0	0	15	0	0
6/30/2021	Explo Road	1	0	NA	10	0	0	0	1	0
6/30/2021	AWAR KM 26	0	0	NA	14	2	0	3	0	1
6/30/2021	AWAR KM 26	2	1	NA	3	0	0	0	0	0
7/1/2021	AWAR KM 24	0	0	NA	15	3	0	0	3	0
7/1/2021	AWAR KM 23	2	1	NA	12	0	0	8	0	0
7/1/2021	AWAR KM 24	0	15	NA	0	0	0	15	0	5
7/1/2021	AWAR KM 23	0	0	NA	16	2	1	0	1	0
7/1/2021	AWAR KM 23	0	0	NA	0	2	0	0	0	0
7/1/2021	AWAR KM 24	0	0	NA	10	9	0	1	1	0
7/2/2021	AWAR KM 20	0	6	NA	4	0	0	29	2	4
7/2/2021	AWAR KM 13	0	0	Out of sight	0	0	0	0	0	0
7/2/2021	AWAR KM 19	0	0	NA	20	5	0	8	0	0
7/2/2021	AWAR KM 17	0	0	NA	27	2	0	0	1	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (30 Minutes)	Disturbance (0 Minutes)	Disturbance Comments (0 Minutes)
7/6/2020	AWAR KM 29	NA	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA
7/6/2020	AWAR KM 26	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA
7/5/2020	AWAR KM 15	NA	ATV	ATVs pulled up and stopped 200 m from the road
7/5/2020	AWAR KM 24	NA	NA	NA
7/5/2020	AWAR KM 16	Walked away from the road	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA
6/25/2021	Mine Site	NA	NA	NA
6/27/2021	AWAR KM 16	NA	NA	NA
6/27/2021	Mine Site	NA	Hyster	Noise from mine site
6/28/2021	Explo	NA	NA	NA
6/28/2021	AWAR KM 22	Ran out of sight	NA	NA
6/28/2021	AWAR KM 24	Out of sight	NA	NA
6/28/2021	Explo	NA	NA	NA
6/29/2021	AWAR KM 30, Explo	Out of sight	NA	NA
6/29/2021	TIRI1, AWAR KM 28	NA	NA	NA
6/29/2021	Explo	NA	NA	NA
6/29/2021	AWAR KM 30, Explo	NA	NA	NA
6/29/2021	AWAR KM 28, TIRI1	NA	NA	NA
6/29/2021	AWAR KM 28	NA	NA	NA
6/30/2021	Explo Road	1 nursing	NA	NA
6/30/2021	Mine Site	NA	NA	NA
6/30/2021	AWAR KM 27	NA	NA	NA
6/30/2021	Explo Road	NA	NA	NA
6/30/2021	AWAR KM 26	NA	NA	NA
6/30/2021	AWAR KM 26	NA	NA	NA
7/1/2021	AWAR KM 24	NA	NA	NA
7/1/2021	AWAR KM 23	NA	NA	NA
7/1/2021	AWAR KM 24	NA	Light Truck	Proceeding slowly on the road at 5 km/hr
7/1/2021	AWAR KM 23	NA	NA	NA
7/1/2021	AWAR KM 23	NA	NA	NA
7/1/2021	AWAR KM 24	Group still on the road	NA	NA
7/2/2021	AWAR KM 20	NA	NA	NA
7/2/2021	AWAR KM 13	Out of sight	NA	NA
7/2/2021	AWAR KM 19	NA	NA	NA
7/2/2021	AWAR KM 17	NA	ATV	Slowly approaching herd off the road

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (3 Minutes)	Disturbance Comments (3 Minutes)	Disturbance (6 Minutes)	Disturbance Comments (6 Minutes)
7/6/2020	AWAR KM 29	NA	NA	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA	NA
7/6/2020	AWAR KM 26	ATV	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA	NA
7/5/2020	AWAR KM 15	NA	NA	ATV	ATVs resumed running
7/5/2020	AWAR KM 24	NA	NA	NA	NA
7/5/2020	AWAR KM 16	NA	NA	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA	NA
6/25/2021	Mine Site	NA	NA	NA	NA
6/27/2021	AWAR KM 16	Light truck	two	NA	NA
6/27/2021	Mine Site	Hyster	Noise from mine site	Hyster	Noise from mine site
6/28/2021	Explo	NA	NA	NA	NA
6/28/2021	AWAR KM 22	NA	NA	Arctic Fox	Arctic fox interacting with caribou
6/28/2021	AWAR KM 24	NA	NA	NA	NA
6/28/2021	Explo	NA	NA	NA	NA
6/29/2021	AWAR KM 30, Explo	ATV	Blasted through caribou herd; caribou scattered everywhere	NA	NA
6/29/2021	TIRI1, AWAR KM 28	NA	NA	NA	NA
6/29/2021	Explo	Light Truck	My vehicle -> turning off engine caught her attention	NA	NA
6/29/2021	AWAR KM 30, Explo	NA	NA	NA	NA
6/29/2021	AWAR KM 28, TIRI1	NA	NA	NA	NA
6/29/2021	AWAR KM 28	NA	NA	NA	NA
6/30/2021	Explo Road	NA	NA	NA	NA
6/30/2021	Mine Site	NA	NA	NA	NA
6/30/2021	AWAR KM 27	NA	NA	NA	NA
6/30/2021	Explo Road	NA	NA	NA	NA
6/30/2021	AWAR KM 26	NA	NA	NA	NA
6/30/2021	AWAR KM 26	NA	NA	NA	NA
7/1/2021	AWAR KM 24	NA	NA	NA	NA
7/1/2021	AWAR KM 23	NA	NA	NA	NA
7/1/2021	AWAR KM 24	Light Truck	Proceeding slowly on the road at 5 km/hr	Light Truck	At 8 min; proceeding slowly on the road at 5 km/hr
7/1/2021	AWAR KM 23	NA	NA	NA	NA
7/1/2021	AWAR KM 23	NA	NA	Light truck	NA
7/1/2021	AWAR KM 24	NA	NA	NA	NA
7/2/2021	AWAR KM 20	NA	NA	NA	NA
7/2/2021	AWAR KM 13	NA	NA	NA	NA
7/2/2021	AWAR KM 19	NA	NA	NA	NA
7/2/2021	AWAR KM 17	NA	NA	Hunter	3 gunshots; 1 caribou killed

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (9 Minutes)	Date	Survey Location	Disturbance Comments (9 Minutes)	Disturbance (12 Minutes)	Disturbance Comments (12 Minutes)
7/6/2020	AWAR KM 29	NA	7/6/2020	AWAR KM 29	NA	NA	NA
7/6/2020	AWAR KM 23	NA	7/6/2020	AWAR KM 23	NA	NA	NA
7/6/2020	AWAR KM 26	NA	7/6/2020	AWAR KM 26	NA	NA	NA
7/5/2020	AWAR KM 23	ATV	7/5/2020	AWAR KM 23	NA	NA	NA
7/5/2020	AWAR KM 15	NA	7/5/2020	AWAR KM 15	NA	NA	NA
7/5/2020	AWAR KM 24	NA	7/5/2020	AWAR KM 24	NA	NA	NA
7/5/2020	AWAR KM 16	NA	7/5/2020	AWAR KM 16	NA	NA	NA
7/5/2020	AWAR KM 24	NA	7/5/2020	AWAR KM 24	NA	NA	NA
6/25/2021	Mine Site	NA	6/25/2021	Mine Site	NA	NA	NA
6/27/2021	AWAR KM 16	NA	6/27/2021	AWAR KM 16	NA	ATV	3
6/27/2021	Mine Site	Hyster	6/27/2021	Mine Site	Noise from mine site	NA	NA
6/28/2021	Explo	NA	6/28/2021	Explo	NA	NA	NA
6/28/2021	AWAR KM 22	NA	6/28/2021	AWAR KM 22	NA	NA	NA
6/28/2021	AWAR KM 24	NA	6/28/2021	AWAR KM 24	NA	NA	NA
6/28/2021	Explo	NA	6/28/2021	Explo	NA	NA	NA
6/29/2021	AWAR KM 30, Explo	NA	6/29/2021	AWAR KM 30, Explo	NA	NA	NA
6/29/2021	TIRI1, AWAR KM 28	NA	6/29/2021	TIRI1, AWAR KM 28	NA	NA	NA
6/29/2021	Explo	NA	6/29/2021	Explo	NA	NA	NA
6/29/2021	AWAR KM 30, Explo	NA	6/29/2021	AWAR KM 30, Explo	NA	NA	NA
6/29/2021	AWAR KM 28, TIRI1	Light Truck	6/29/2021	AWAR KM 28, TIRI1	Sean's truck leaving survey site; 11 min	NA	NA
6/29/2021	AWAR KM 28	Light Truck	6/29/2021	AWAR KM 28	HTO advance truck ahead of convoy	NA	NA
6/30/2021	Explo Road	NA	6/30/2021	Explo Road	NA	NA	NA
6/30/2021	Mine Site	NA	6/30/2021	Mine Site	NA	NA	NA
6/30/2021	AWAR KM 27	NA	6/30/2021	AWAR KM 27	NA	NA	NA
6/30/2021	Explo Road	NA	6/30/2021	Explo Road	NA	NA	NA
6/30/2021	AWAR KM 26	ATV	6/30/2021	AWAR KM 26	NA	NA	NA
6/30/2021	AWAR KM 26	NA	6/30/2021	AWAR KM 26	NA	NA	NA
7/1/2021	AWAR KM 24	NA	7/1/2021	AWAR KM 24	NA	NA	NA
7/1/2021	AWAR KM 23	NA	7/1/2021	AWAR KM 23	NA	NA	NA
7/1/2021	AWAR KM 24	NA	7/1/2021	AWAR KM 24	NA	NA	NA
7/1/2021	AWAR KM 23	NA	7/1/2021	AWAR KM 23	NA	NA	NA
7/1/2021	AWAR KM 23	NA	7/1/2021	AWAR KM 23	NA	NA	NA
7/1/2021	AWAR KM 24	NA	7/1/2021	AWAR KM 24	NA	NA	NA
7/2/2021	AWAR KM 20	NA	7/2/2021	AWAR KM 20	NA	NA	NA
7/2/2021	AWAR KM 13	NA	7/2/2021	AWAR KM 13	NA	NA	NA
7/2/2021	AWAR KM 19	NA	7/2/2021	AWAR KM 19	NA	NA	NA
7/2/2021	AWAR KM 17	NA	7/2/2021	AWAR KM 17	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (15 Minutes)	Disturbance Comments (15 Minutes)	Disturbance (18 Minutes)	Disturbance Comments (18 Minutes)	Disturbance (21 Minutes)	Disturbance Comments (21 Minutes)
7/6/2020	AWAR KM 29	NA	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 26	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 15	ATV	Southbound ATV	NA	NA	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 16	NA	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 24	NA	NA	NA	NA	NA	NA
6/25/2021	Mine Site	NA	NA	NA	NA	NA	NA
6/27/2021	AWAR KM 16	ATV	2; far away	ATV	1	NA	NA
6/27/2021	Mine Site	NA	NA	NA	NA	NA	NA
6/28/2021	Explo	NA	NA	NA	NA	NA	NA
6/28/2021	AWAR KM 22	NA	NA	NA	NA	NA	NA
6/28/2021	AWAR KM 24	Convoy	4 buses, 2 pickups, 4 hinos	NA	NA	NA	NA
6/28/2021	Explo	NA	NA	NA	NA	NA	NA
6/29/2021	AWAR KM 30, Explo	NA	NA	NA	NA	NA	NA
6/29/2021	TIRI1, AWAR KM 28	NA	NA	NA	NA	NA	NA
6/29/2021	Explo	NA	NA	NA	NA	NA	NA
6/29/2021	AWAR KM 30, Explo	NA	NA	NA	NA	NA	NA
6/29/2021	AWAR KM 28, TIRI1	NA	NA	NA	NA	NA	NA
6/29/2021	AWAR KM 28	NA	NA	NA	NA	NA	NA
6/30/2021	Explo Road	NA	NA	NA	NA	NA	NA
6/30/2021	Mine Site	NA	NA	NA	NA	NA	NA
6/30/2021	AWAR KM 27	ATV	NA	NA	NA	NA	NA
6/30/2021	Explo Road	NA	NA	NA	NA	NA	NA
6/30/2021	AWAR KM 26	NA	NA	NA	NA	NA	NA
6/30/2021	AWAR KM 26	NA	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 24	NA	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 23	NA	NA	NA	NA	Light Truck	NA
7/1/2021	AWAR KM 24	NA	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 24	NA	NA	NA	NA	NA	NA
7/2/2021	AWAR KM 20	NA	NA	NA	NA	Convoy	Approaching slowly; 3 light trucks, 7 buses, 2 hinos, 2 tractor trailers
7/2/2021	AWAR KM 13	NA	NA	NA	NA	NA	NA
7/2/2021	AWAR KM 19	NA	NA	NA	NA	NA	NA
7/2/2021	AWAR KM 17	NA	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (24 Minutes)	Disturbance Comments (24 Minutes)	Disturbance (27 Minutes)	Disturbance Comments (27 Minutes)	Disturbance (30 Minutes)
7/6/2020	AWAR KM 29	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 23	NA	NA	NA	NA	NA
7/6/2020	AWAR KM 26	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 23	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 15	NA	NA	Hunter	NA	Hunter
7/5/2020	AWAR KM 24	NA	NA	NA	NA	NA
7/5/2020	AWAR KM 16	Light Truck	NA	NA	NA	Light Truck
7/5/2020	AWAR KM 24	Light Truck	NA	NA	NA	NA
6/25/2021	Mine Site	NA	NA	NA	NA	NA
6/27/2021	AWAR KM 16	NA	NA	ATV and Light Truck	At 29 min	NA
6/27/2021	Mine Site	NA	NA	NA	NA	NA
6/28/2021	Explo	NA	NA	NA	NA	NA
6/28/2021	AWAR KM 22	ATV	NA	NA	NA	NA
6/28/2021	AWAR KM 24	NA	NA	NA	NA	NA
6/28/2021	Explo	NA	NA	NA	NA	NA
6/29/2021	AWAR KM 30, Explo	NA	NA	NA	NA	NA
6/29/2021	TIRI1, AWAR KM 28	NA	NA	NA	NA	NA
6/29/2021	Explo	NA	NA	NA	NA	NA
6/29/2021	AWAR KM 30, Explo	NA	NA	NA	NA	NA
6/29/2021	AWAR KM 28, TIRI1	NA	NA	NA	NA	NA
6/29/2021	AWAR KM 28	NA	NA	NA	NA	NA
6/30/2021	Explo Road	NA	NA	Sewage Truck	NA	NA
6/30/2021	Mine Site	NA	NA	NA	NA	NA
6/30/2021	AWAR KM 27	NA	NA	NA	NA	NA
6/30/2021	Explo Road	NA	NA	NA	NA	NA
6/30/2021	AWAR KM 26	NA	NA	NA	NA	NA
6/30/2021	AWAR KM 26	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 24	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 23	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 24	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 23	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 23	NA	NA	NA	NA	NA
7/1/2021	AWAR KM 24	NA	NA	NA	NA	NA
7/2/2021	AWAR KM 20	NA	NA	NA	NA	NA
7/2/2021	AWAR KM 13	NA	NA	NA	NA	NA
7/2/2021	AWAR KM 19	NA	NA	NA	NA	NA
7/2/2021	AWAR KM 17	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance Comments (30 Minutes)
7/6/2020	AWAR KM 29	NA
7/6/2020	AWAR KM 23	NA
7/6/2020	AWAR KM 26	NA
7/5/2020	AWAR KM 23	NA
7/5/2020	AWAR KM 15	Hunters
7/5/2020	AWAR KM 24	NA
7/5/2020	AWAR KM 16	ATV drove by but pickup still stopped
7/5/2020	AWAR KM 24	NA
6/25/2021	Mine Site	NA
6/27/2021	AWAR KM 16	NA
6/27/2021	Mine Site	NA
6/28/2021	Explo	NA
6/28/2021	AWAR KM 22	NA
6/28/2021	AWAR KM 24	NA
6/28/2021	Explo	NA
6/29/2021	AWAR KM 30, Explo	NA
6/29/2021	TIRI1, AWAR KM 28	NA
6/29/2021	Explo	NA
6/29/2021	AWAR KM 30, Explo	NA
6/29/2021	AWAR KM 28, TIRI1	NA
6/29/2021	AWAR KM 28	NA
6/30/2021	Explo Road	NA
6/30/2021	Mine Site	NA
6/30/2021	AWAR KM 27	NA
6/30/2021	Explo Road	NA
6/30/2021	AWAR KM 26	NA
6/30/2021	AWAR KM 26	NA
7/1/2021	AWAR KM 24	NA
7/1/2021	AWAR KM 23	NA
7/1/2021	AWAR KM 24	NA
7/1/2021	AWAR KM 23	NA
7/1/2021	AWAR KM 23	NA
7/1/2021	AWAR KM 24	NA
7/2/2021	AWAR KM 20	NA
7/2/2021	AWAR KM 13	NA
7/2/2021	AWAR KM 19	NA
7/2/2021	AWAR KM 17	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	UTM Easting	UTM Northing	Distance from Caribou to Observer Location (m)	Distance from Caribou to Infrastructure (m)	Bearing to Group (°)	Group East or West	Group Crossed Road	Group Size	Temperature (°C)
7/2/2021	AWAR KM 17	546294	6979469	375	375	214	West	No	2,000	17
7/2/2021	AWAR KM 17	546294	6979469	800	800	214	West	No	2,000	17
7/3/2021	AWAR KM 23	543893	6983091	2,400	2,000	53	East	No	400	11
7/3/2021	AWAR KM 20	545579	6980741	254	254	140	East	No	1	6
7/3/2021	AWAR KM 11	546955	6973703	271	220	270	West	No	1	6
7/3/2021	AWAR KM 23	543708	6983688	2,600	2,600	70	East	No	18	9
7/3/2021	AWAR KM 24	543623	6983946	1,600	1,450	15	East	No	400	12
7/4/2021	AWAR KM 27	541658	6985365	790	25	309	East	No	2	16
7/7/2021	AWAR KM 20	546131	6980415	850	850	87	East	No	20	15
7/8/2021	AWAR KM 25	543663	6983817	818	818	113	East	No	3	15
7/9/2021	AWAR KM 28	541195	6986436	25	0	10	West	Yes	3	15
7/9/2021	AWAR KM 20	546141	6980387	515	515	80	East	No	2	17
7/10/2021	Explo Road / WRSF3	540836	6988950	400	100	60	East	No	70	17
7/10/2021	Explo Road / WRSF4	540836	6988950	600	0	70	East	Yes	70	17
7/10/2021	AWAR KM 16	547845	6977612	1,500	1,300	270	West	No	4	19
7/12/2021	AWAR KM 24	543086	6984415	200	150	115	East	No	1	12
7/12/2021	AWAR KM 28	541492	6987160	450	90	185	East	No	275	15

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Wind Speed (km/h)	Wind Direction (°)	Road Height (cm)	Road Width (cm)	Feeding (0 Minutes)	Laying (0 Minutes)	Standing (0 Minutes)	Walking (0 Minutes)	Alert (0 Minutes)	Trotting (0 Minutes)
7/2/2021	AWAR KM 17	17	320	100	100	12	1	2	15	0	0
7/2/2021	AWAR KM 17	17	320	NA	NA	5	0	5	5	15	0
7/3/2021	AWAR KM 23	4	20	NA	NA	7	0	0	13	0	0
7/3/2021	AWAR KM 20	10	0	NA	NA	1	0	0	0	0	0
7/3/2021	AWAR KM 11	4	0	NA	NA	0	0	0	1	0	0
7/3/2021	AWAR KM 23	9	0	NA	NA	9	2	0	3	0	0
7/3/2021	AWAR KM 24	7	320	NA	NA	12	0	0	6	0	2
7/4/2021	AWAR KM 27	6	180	NA	NA	0	0	0	0	0	2
7/7/2021	AWAR KM 20	21	300	NA	NA	2	18	0	0	0	0
7/8/2021	AWAR KM 25	2	0	NA	NA	0	0	0	0	0	3
7/9/2021	AWAR KM 28	2	0	NA	NA	0	0	0	0	0	3
7/9/2021	AWAR KM 20	25	250	NA	NA	2	0	0	0	0	0
7/10/2021	Explo Road / WRSF3	3	130	NA	NA	30	0	0	0	0	0
7/10/2021	Explo Road / WRSF4	3	130	NA	NA	0	0	0	30	0	0
7/10/2021	AWAR KM 16	16	180	NA	NA	0	4	0	0	0	0
7/12/2021	AWAR KM 24	60	45	NA	NA	0	0	0	1	0	0
7/12/2021	AWAR KM 28	65	0	NA	NA	5	7	0	15	3	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (0 Minutes)	Feeding (3 Minutes)	Laying (3 Minutes)	Standing (3 Minutes)	Walking (3 Minutes)	Alert (3 Minutes)	Trotting (3 Minutes)	Comments (3 Minutes)
7/2/2021	AWAR KM 17	Group in lowland area below the road	25	1	2	3	0	0	NA
7/2/2021	AWAR KM 17	NA	5	0	0	5	10	15	NA
7/3/2021	AWAR KM 23	NA	14	0	0	4	0	2	NA
7/3/2021	AWAR KM 20	NA	1	0	0	0	0	0	NA
7/3/2021	AWAR KM 11	1 additional caribou observed to the East; not behaviourally linked	0	1	0	0	0	0	Additional caribou behind the survey crossed the road towards this caribou
7/3/2021	AWAR KM 23	NA	12	0	0	1	1	0	NA
7/3/2021	AWAR KM 24	Hunters on the hill overlooking	12	0	0	2	0	4	NA
7/4/2021	AWAR KM 27	NA	0	0	0	0	0	2	NA
7/7/2021	AWAR KM 20	NA	1	18	0	0	0	0	1 out of sight
7/8/2021	AWAR KM 25	NA	1	0	0	0	0	2	Moving East; away from the road
7/9/2021	AWAR KM 28	Crossing AWAR West to East	0	0	0	0	0	3	Running South
7/9/2021	AWAR KM 20	NA	2	0	0	0	0	0	NA
7/10/2021	Explo Road / WRSF3	Group is East of Explo camp and waterline	30	0	0	0	0	0	NA
7/10/2021	Explo Road / WRSF4	NA	15	0	0	15	0	0	Looking for a way across the waterline
7/10/2021	AWAR KM 16	Looks like there are maybe 1-2 more males, but they are behind the hill	0	4	0	0	0	0	NA
7/12/2021	AWAR KM 24	Headed North/North-East away from the road	1	0	0	0	0	0	NA
7/12/2021	AWAR KM 28	Two hunters watching the herd	15	5	0	10	0	0	Moving West slowly towards the road

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (6 Minutes)	Laying (6 Minutes)	Standing (6 Minutes)	Walking (6 Minutes)	Alert (6 Minutes)	Trotting (6 Minutes)	Comments (6 Minutes)	Feeding (9 Minutes)	Laying (9 Minutes)	Standing (9 Minutes)	Walking (9 Minutes)
7/2/2021	AWAR KM 17	19	3	0	8	0	0	NA	23	4	1	3
7/2/2021	AWAR KM 17	0	0	0	0	0	30	NA	0	0	0	0
7/3/2021	AWAR KM 23	14	0	0	6	0	0	NA	10	0	0	6
7/3/2021	AWAR KM 20	0	0	0	1	0	0	NA	0	0	0	0
7/3/2021	AWAR KM 11	1	0	0	0	0	0	NA	1	0	0	0
7/3/2021	AWAR KM 23	8	0	0	4	0	0	3 out of sight	10	1	0	0
7/3/2021	AWAR KM 24	16	0	0	4	0	0	NA	4	0	0	6
7/4/2021	AWAR KM 27	0	0	0	0	0	2	NA	0	0	0	0
7/7/2021	AWAR KM 20	3	17	0	0	0	0	NA	3	17	0	0
7/8/2021	AWAR KM 25	0	0	2	0	0	0	>1 km away	0	0	1	0
7/9/2021	AWAR KM 28	3	0	0	0	0	0	NA	0	0	0	0
7/9/2021	AWAR KM 20	2	0	0	0	0	0	NA	1	0	0	1
7/10/2021	Explo Road / WRSF3	25	0	0	5	0	0	NA	5	0	0	20
7/10/2021	Explo Road / WRSF4	15	0	0	15	0	0	NA	0	0	0	30
7/10/2021	AWAR KM 16	0	4	0	0	0	0	NA	0	3	1	0
7/12/2021	AWAR KM 24	0	0	0	0	0	1	NA	1	0	0	0
7/12/2021	AWAR KM 28	15	5	0	10	0	0	Moving East away from the road	22	3	0	5

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (9 Minutes)	Trotting (9 Minutes)	Comments (9 Minutes)	Feeding (12 Minutes)	Laying (12 Minutes)	Standing (12 Minutes)	Walking (12 Minutes)	Alert (12 Minutes)	Trotting (12 Minutes)
7/2/2021	AWAR KM 17	0	0	NA	16	13	0	0	5	0
7/2/2021	AWAR KM 17	0	30	NA	0	0	0	0	0	30
7/3/2021	AWAR KM 23	0	4	NA	12	1	0	6	0	1
7/3/2021	AWAR KM 20	1	0	NA	0	0	0	0	0	1
7/3/2021	AWAR KM 11	0	0	NA	1	0	0	0	0	0
7/3/2021	AWAR KM 23	0	0	NA	9	1	0	1	1	0
7/3/2021	AWAR KM 24	2	10	NA	5	0	0	10	2	3
7/4/2021	AWAR KM 27	0	2	NA	0	0	0	0	1	1
7/7/2021	AWAR KM 20	0	0	NA	4	8	0	4	3	0
7/8/2021	AWAR KM 25	0	0	Out of sight	0	0	0	0	0	0
7/9/2021	AWAR KM 28	0	3	Running South out of sight	0	0	0	0	0	0
7/9/2021	AWAR KM 20	0	0	Walking South slowly	2	0	0	0	0	0
7/10/2021	Explo Road / WRSF3	5	0	NA	0	0	0	30	0	0
7/10/2021	Explo Road / WRSF4	0	0	NA	0	0	0	25	0	5
7/10/2021	AWAR KM 16	0	0	NA	0	2	2	0	0	0
7/12/2021	AWAR KM 24	0	0	NA	0	0	0	1	0	0
7/12/2021	AWAR KM 28	0	0	NA	20	10	0	0	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (12 Minutes)	Feeding (15 Minutes)	Laying (15 Minutes)	Standing (15 Minutes)	Walking (15 Minutes)	Alert (15 Minutes)	Trotting (15 Minutes)
7/2/2021	AWAR KM 17	NA	18	12	1	1	0	0
7/2/2021	AWAR KM 17	NA	0	0	0	0	0	30
7/3/2021	AWAR KM 23	NA	15	1	0	4	0	0
7/3/2021	AWAR KM 20	NA	0	0	0	0	1	0
7/3/2021	AWAR KM 11	NA	1	0	0	0	0	0
7/3/2021	AWAR KM 23	NA	14	1	0	1	0	0
7/3/2021	AWAR KM 24	NA	0	0	0	9	5	6
7/4/2021	AWAR KM 27	NA	0	0	0	0	0	2
7/7/2021	AWAR KM 20	NA	11	10	0	2	0	0
7/8/2021	AWAR KM 25	Out of sight	0	0	0	0	0	0
7/9/2021	AWAR KM 28	Out of sight	0	0	0	0	0	0
7/9/2021	AWAR KM 20	NA	0	0	0	2	0	0
7/10/2021	Explo Road / WRSF3	NA	1	0	0	29	0	0
7/10/2021	Explo Road / WRSF4	NA	16	0	0	10	4	0
7/10/2021	AWAR KM 16	NA	0	4	0	0	0	0
7/12/2021	AWAR KM 24	Headed East; away from the road	1	0	0	0	0	0
7/12/2021	AWAR KM 28	NA	15	13	0	2	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (15 Minutes)	Feeding (18 Minutes)	Laying (18 Minutes)	Standing (18 Minutes)	Walking (18 Minutes)	Alert (18 Minutes)	Trotting (18 Minutes)	Comments (18 Minutes)
7/2/2021	AWAR KM 17	NA	13	8	3	10	3	0	NA
7/2/2021	AWAR KM 17	NA	5	0	0	0	2	23	NA
7/3/2021	AWAR KM 23	NA	18	2	0	0	0	0	NA
7/3/2021	AWAR KM 20	NA	0	0	0	1	0	0	NA
7/3/2021	AWAR KM 11	NA	1	0	0	0	0	0	NA
7/3/2021	AWAR KM 23	NA	13	0	0	1	0	1	NA
7/3/2021	AWAR KM 24	NA	0	0	0	0	10	10	Shots fired? Some of the group looking back
7/4/2021	AWAR KM 27	NA	0	0	0	0	0	2	Running out of sight
7/7/2021	AWAR KM 20	NA	0	6	0	3	4	0	Moving South / South-West; can't see all of them
7/8/2021	AWAR KM 25	Out of sight	0	0	0	0	0	0	Out of sight
7/9/2021	AWAR KM 28	Out of sight	0	0	0	0	0	0	Out of sight
7/9/2021	AWAR KM 20	Walked South-East	2	0	0	0	0	0	NA
7/10/2021	Explo Road / WRSF3	Circling around water pipeline area	27	0	0	3	0	0	NA
7/10/2021	Explo Road / WRSF4	Circling around water pipeline area	0	0	0	30	0	0	Group crossed the waterline at South ramp at 17 min
7/10/2021	AWAR KM 16	NA	0	4	0	0	0	0	NA
7/12/2021	AWAR KM 24	NA	0	0	0	1	0	0	NA
7/12/2021	AWAR KM 28	NA	10	20	0	0	0	0	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Feeding (21 Minutes)	Laying (21 Minutes)	Standing (21 Minutes)	Walking (21 Minutes)	Alert (21 Minutes)	Trotting (21 Minutes)	Comments (21 Minutes)	Feeding (24 Minutes)	Laying (24 Minutes)
7/2/2021	AWAR KM 17	14	10	2	4	0	0	NA	10	18
7/2/2021	AWAR KM 17	0	0	0	4	0	26	NA	3	0
7/3/2021	AWAR KM 23	15	0	0	5	0	0	NA	17	2
7/3/2021	AWAR KM 20	1	0	0	0	0	0	NA	0	0
7/3/2021	AWAR KM 11	1	0	0	0	0	0	NA	0	0
7/3/2021	AWAR KM 23	11	0	0	2	0	0	NA	11	1
7/3/2021	AWAR KM 24	4	0	0	10	0	6	NA	4	0
7/4/2021	AWAR KM 27	0	0	0	0	0	0	Out of sight	0	0
7/7/2021	AWAR KM 20	5	0	0	5	1	0	NA	0	0
7/8/2021	AWAR KM 25	0	0	0	0	0	0	Out of sight	0	0
7/9/2021	AWAR KM 28	0	0	0	0	0	0	Out of sight	0	0
7/9/2021	AWAR KM 20	0	0	0	0	0	0	Out of sight	0	0
7/10/2021	Explo Road / WRSF3	15	0	0	15	0	0	NA	9	0
7/10/2021	Explo Road / WRSF4	0	0	0	0	0	30	Group ran as soon as across the waterline	2	0
7/10/2021	AWAR KM 16	0	4	0	0	0	0	NA	0	4
7/12/2021	AWAR KM 24	1	0	0	0	0	0	Stopped ~1 km East of the road	1	0
7/12/2021	AWAR KM 28	7	23	0	0	0	0	NA	5	24

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Standing (24 Minutes)	Walking (24 Minutes)	Alert (24 Minutes)	Trotting (24 Minutes)	Comments (24 Minutes)	Feeding (27 Minutes)	Laying (27 Minutes)	Standing (27 Minutes)	Walking (27 Minutes)
7/2/2021	AWAR KM 17	0	0	2	0	NA	10	20	0	0
7/2/2021	AWAR KM 17	0	12	0	15	NA	6	0	0	11
7/3/2021	AWAR KM 23	0	1	0	0	NA	16	1	0	3
7/3/2021	AWAR KM 20	0	0	0	1	Running out of sight	0	0	0	0
7/3/2021	AWAR KM 11	0	0	1	0	NA	1	0	0	0
7/3/2021	AWAR KM 23	0	1	0	0	NA	12	1	0	4
7/3/2021	AWAR KM 24	0	8	0	8	NA	6	0	0	10
7/4/2021	AWAR KM 27	0	0	0	0	Out of sight	0	0	0	0
7/7/2021	AWAR KM 20	0	15	0	1	2 males with antlers; at least 5 calves	0	0	0	7
7/8/2021	AWAR KM 25	0	0	0	0	Out of sight	0	0	0	0
7/9/2021	AWAR KM 28	0	0	0	0	Out of sight	0	0	0	0
7/9/2021	AWAR KM 20	0	0	0	0	Out of sight	0	0	0	0
7/10/2021	Explo Road / WRSF3	0	20	1	0	NA	30	0	0	0
7/10/2021	Explo Road / WRSF4	0	0	0	0	2 did not make it across ramp; still near Explo camp; all others are out of sight	2	0	0	0
7/10/2021	AWAR KM 16	0	0	0	0	NA	0	4	0	0
7/12/2021	AWAR KM 24	0	0	0	0	NA	1	0	0	0
7/12/2021	AWAR KM 28	0	0	1	0	Not sure why some are alert now	3	27	0	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Alert (27 Minutes)	Trotting (27 Minutes)	Comments (27 Minutes)	Feeding (30 Minutes)	Laying (30 Minutes)	Standing (30 Minutes)	Walking (30 Minutes)	Alert (30 Minutes)	Trotting (30 Minutes)
7/2/2021	AWAR KM 17	0	1	NA	6	23	0	1	0	0
7/2/2021	AWAR KM 17	0	14	NA	10	0	0	12	1	7
7/3/2021	AWAR KM 23	0	0	NA	17	2	0	1	0	0
7/3/2021	AWAR KM 20	1	0	NA	0	0	0	0	0	0
7/3/2021	AWAR KM 11	0	0	NA	1	0	0	0	0	0
7/3/2021	AWAR KM 23	0	1	NA	14	0	0	3	0	0
7/3/2021	AWAR KM 24	0	4	NA	10	0	0	4	2	4
7/4/2021	AWAR KM 27	0	0	Out of sight	0	0	0	0	0	0
7/7/2021	AWAR KM 20	0	0	Rest are out of sight	0	0	0	2	0	0
7/8/2021	AWAR KM 25	0	0	Out of sight	0	0	0	0	0	0
7/9/2021	AWAR KM 28	0	0	Out of sight	0	0	0	0	0	0
7/9/2021	AWAR KM 20	0	0	Out of sight	0	0	0	0	0	0
7/10/2021	Explo Road / WRSF3	0	0	NA	0	0	0	10	0	20
7/10/2021	Explo Road / WRSF4	0	0	2 left behind	2	0	0	0	0	0
7/10/2021	AWAR KM 16	0	0	NA	0	4	0	0	0	0
7/12/2021	AWAR KM 24	0	0	NA	0	0	0	1	0	0
7/12/2021	AWAR KM 28	0	0	NA	0	15	0	0	15	0

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Comments (30 Minutes)	Disturbance (0 Minutes)	Disturbance Comments (0 Minutes)
7/2/2021	AWAR KM 17	NA	Light Truck	Our truck; upwind
7/2/2021	AWAR KM 17	NA	Convoy	Approaching at 5 km/h
7/3/2021	AWAR KM 23	NA	NA	NA
7/3/2021	AWAR KM 20	Out of sight	NA	NA
7/3/2021	AWAR KM 11	NA	NA	NA
7/3/2021	AWAR KM 23	NA	NA	NA
7/3/2021	AWAR KM 24	NA	NA	NA
7/4/2021	AWAR KM 27	Out of sight	Light Truck	Surveyor truck approaching
7/7/2021	AWAR KM 20	Out of sight	NA	NA
7/8/2021	AWAR KM 25	Out of sight	NA	NA
7/9/2021	AWAR KM 28	Out of sight	Light Truck	Survey vehicle approaching; group was already running when spotted
7/9/2021	AWAR KM 20	Out of sight	NA	NA
7/10/2021	Explo Road / WRSF3	NA	NA	NA
7/10/2021	Explo Road / WRSF4	NA	NA	NA
7/10/2021	AWAR KM 16	NA	NA	NA
7/12/2021	AWAR KM 24	NA	NA	NA
7/12/2021	AWAR KM 28	Hop ~150 m away; walking around to pick up plastic and alerted the herd; group trotted away after this	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (3 Minutes)	Disturbance Comments (3 Minutes)	Disturbance (6 Minutes)	Disturbance Comments (6 Minutes)
7/2/2021	AWAR KM 17	NA	NA	NA	NA
7/2/2021	AWAR KM 17	convoy	3 pickups, 7 buses, 2 hinos, 2 tractor trailors	Convoy	Passing slowly
7/3/2021	AWAR KM 23	NA	NA	NA	NA
7/3/2021	AWAR KM 20	NA	NA	NA	NA
7/3/2021	AWAR KM 11	NA	NA	NA	NA
7/3/2021	AWAR KM 23	NA	NA	NA	NA
7/3/2021	AWAR KM 24	ATV	2 side by sides; stopped at KM 24	ATV	3 approaching herd
7/4/2021	AWAR KM 27	NA	NA	NA	NA
7/7/2021	AWAR KM 20	NA	NA	NA	NA
7/8/2021	AWAR KM 25	NA	NA	NA	NA
7/9/2021	AWAR KM 28	NA	NA	NA	NA
7/9/2021	AWAR KM 20	NA	NA	NA	NA
7/10/2021	Explo Road / WRSF3	NA	NA	NA	NA
7/10/2021	Explo Road / WRSF4	NA	NA	NA	NA
7/10/2021	AWAR KM 16	NA	NA	NA	NA
7/12/2021	AWAR KM 24	NA	NA	NA	NA
7/12/2021	AWAR KM 28	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (9 Minutes)	Date	Survey Location	Disturbance Comments (9 Minutes)	Disturbance (12 Minutes)	Disturbance Comments (12 Minutes)
7/2/2021	AWAR KM 17	NA	7/2/2021	AWAR KM 17	NA	ATV	2; stopping by the herd
7/2/2021	AWAR KM 17	NA	7/2/2021	AWAR KM 17	NA	ATV	2
7/3/2021	AWAR KM 23	NA	7/3/2021	AWAR KM 23	NA	ATV	Approaching slowly
7/3/2021	AWAR KM 20	NA	7/3/2021	AWAR KM 20	NA	NA	NA
7/3/2021	AWAR KM 11	NA	7/3/2021	AWAR KM 11	NA	NA	NA
7/3/2021	AWAR KM 23	NA	7/3/2021	AWAR KM 23	NA	NA	NA
7/3/2021	AWAR KM 24	ATV	7/3/2021	AWAR KM 24	2 side by sides moving again	NA	NA
7/4/2021	AWAR KM 27	NA	7/4/2021	AWAR KM 27	NA	NA	NA
7/7/2021	AWAR KM 20	NA	7/7/2021	AWAR KM 20	NA	ATV	2 passed by on the road about 30 sec apart
7/8/2021	AWAR KM 25	NA	7/8/2021	AWAR KM 25	NA	NA	NA
7/9/2021	AWAR KM 28	NA	7/9/2021	AWAR KM 28	NA	NA	NA
7/9/2021	AWAR KM 20	NA	7/9/2021	AWAR KM 20	NA	NA	NA
7/10/2021	Explo Road / WRSF3	Light Truck	7/10/2021	Explo Road / WRSF3	Truck on Explo road at 7 min; whole group started running	NA	NA
7/10/2021	Explo Road / WRSF4	NA	7/10/2021	Explo Road / WRSF4	NA	NA	NA
7/10/2021	AWAR KM 16	NA	7/10/2021	AWAR KM 16	NA	NA	NA
7/12/2021	AWAR KM 24	NA	7/12/2021	AWAR KM 24	NA	NA	NA
7/12/2021	AWAR KM 28	NA	7/12/2021	AWAR KM 28	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (15 Minutes)	Disturbance Comments (15 Minutes)	Disturbance (18 Minutes)	Disturbance Comments (18 Minutes)	Disturbance (21 Minutes)	Disturbance Comments (21 Minutes)
7/2/2021	AWAR KM 17	NA	NA	ATV	2; leaving downwind from the herd	NA	NA
7/2/2021	AWAR KM 17	NA	NA	Hunter	Shots fired	NA	NA
7/3/2021	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/3/2021	AWAR KM 20	Light Truck	Surveyor truck approaching caribou	NA	NA	NA	NA
7/3/2021	AWAR KM 11	NA	NA	NA	NA	NA	NA
7/3/2021	AWAR KM 23	NA	NA	NA	NA	NA	NA
7/3/2021	AWAR KM 24	Hunter	Approaching herd; shots fired	NA	NA	NA	NA
7/4/2021	AWAR KM 27	NA	NA	NA	NA	NA	NA
7/7/2021	AWAR KM 20	NA	NA	NA	NA	NA	NA
7/8/2021	AWAR KM 25	NA	NA	NA	NA	NA	NA
7/9/2021	AWAR KM 28	NA	NA	NA	NA	NA	NA
7/9/2021	AWAR KM 20	NA	NA	NA	NA	NA	NA
7/10/2021	Explo Road / WRSF3	NA	NA	NA	NA	NA	NA
7/10/2021	Explo Road / WRSF4	NA	NA	NA	NA	NA	NA
7/10/2021	AWAR KM 16	NA	NA	NA	NA	NA	NA
7/12/2021	AWAR KM 24	NA	NA	NA	NA	NA	NA
7/12/2021	AWAR KM 28	NA	NA	NA	NA	NA	NA

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance (24 Minutes)	Disturbance Comments (24 Minutes)	Disturbance (27 Minutes)	Disturbance Comments (27 Minutes)	Disturbance (30 Minutes)
7/2/2021	AWAR KM 17	Hunter	Gunshot at 25 min and 26 min; downwind from caribou so they barely reacted	NA	NA	NA
7/2/2021	AWAR KM 17	NA	NA	NA	NA	NA
7/3/2021	AWAR KM 23	NA	NA	NA	NA	NA
7/3/2021	AWAR KM 20	NA	NA	NA	NA	NA
7/3/2021	AWAR KM 11	NA	NA	NA	NA	NA
7/3/2021	AWAR KM 23	NA	NA	NA	NA	ATV
7/3/2021	AWAR KM 24	NA	NA	NA	NA	NA
7/4/2021	AWAR KM 27	NA	NA	NA	NA	NA
7/7/2021	AWAR KM 20	NA	NA	NA	NA	NA
7/8/2021	AWAR KM 25	NA	NA	NA	NA	NA
7/9/2021	AWAR KM 28	NA	NA	NA	NA	NA
7/9/2021	AWAR KM 20	NA	NA	NA	NA	NA
7/10/2021	Explo Road / WRSF3	NA	NA	Light Truck	Second truck on Explo road at 25 min	NA
7/10/2021	Explo Road / WRSF4	NA	NA	NA	NA	NA
7/10/2021	AWAR KM 16	NA	NA	NA	NA	NA
7/12/2021	AWAR KM 24	NA	NA	NA	NA	NA
7/12/2021	AWAR KM 28	NA	NA	NA	NA	Human

APPENDIX B: DATA FROM CARIBOU BEHAVIOUR SURVEYS

Date	Survey Location	Disturbance Comments (30 Minutes)
7/2/2021	AWAR KM 17	NA
7/2/2021	AWAR KM 17	NA
7/3/2021	AWAR KM 23	NA
7/3/2021	AWAR KM 20	NA
7/3/2021	AWAR KM 11	NA
7/3/2021	AWAR KM 23	Driving
7/3/2021	AWAR KM 24	NA
7/4/2021	AWAR KM 27	NA
7/7/2021	AWAR KM 20	NA
7/8/2021	AWAR KM 25	NA
7/9/2021	AWAR KM 28	NA
7/9/2021	AWAR KM 20	NA
7/10/2021	Explo Road / WRSF3	NA
7/10/2021	Explo Road / WRSF4	NA
7/10/2021	AWAR KM 16	NA
7/12/2021	AWAR KM 24	NA
7/12/2021	AWAR KM 28	Hop got out of truck to pick up plastic on the side of the road; caribou moved away and shortly after ran towards Explo camp

APPENDIX C PROPORTION OF ALERT AND RUNNING CARIBOU IN EACH SURVEY, 2020 TO 2024

FIGURE C-1 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY – 2020

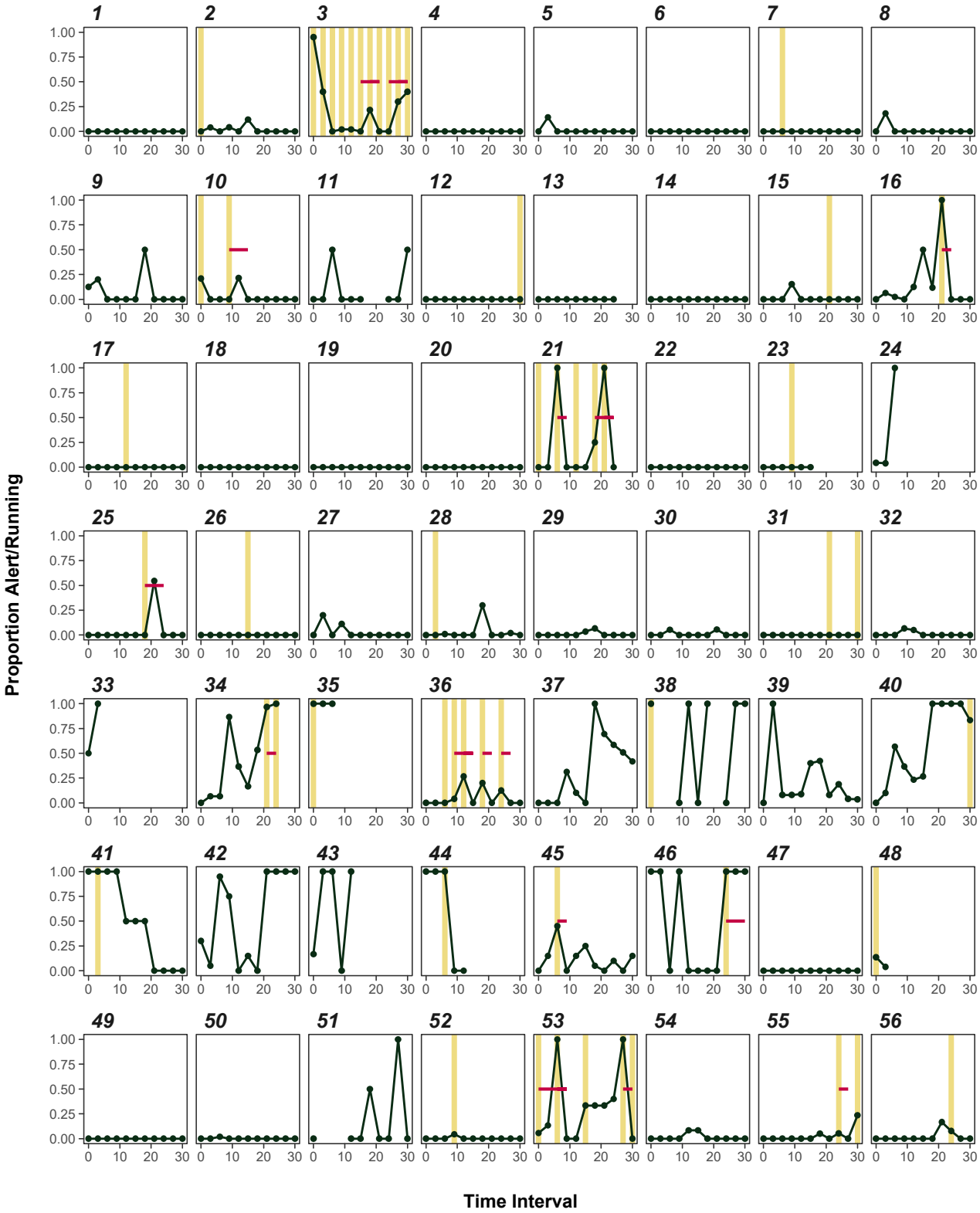


FIGURE C-2 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY – 2021

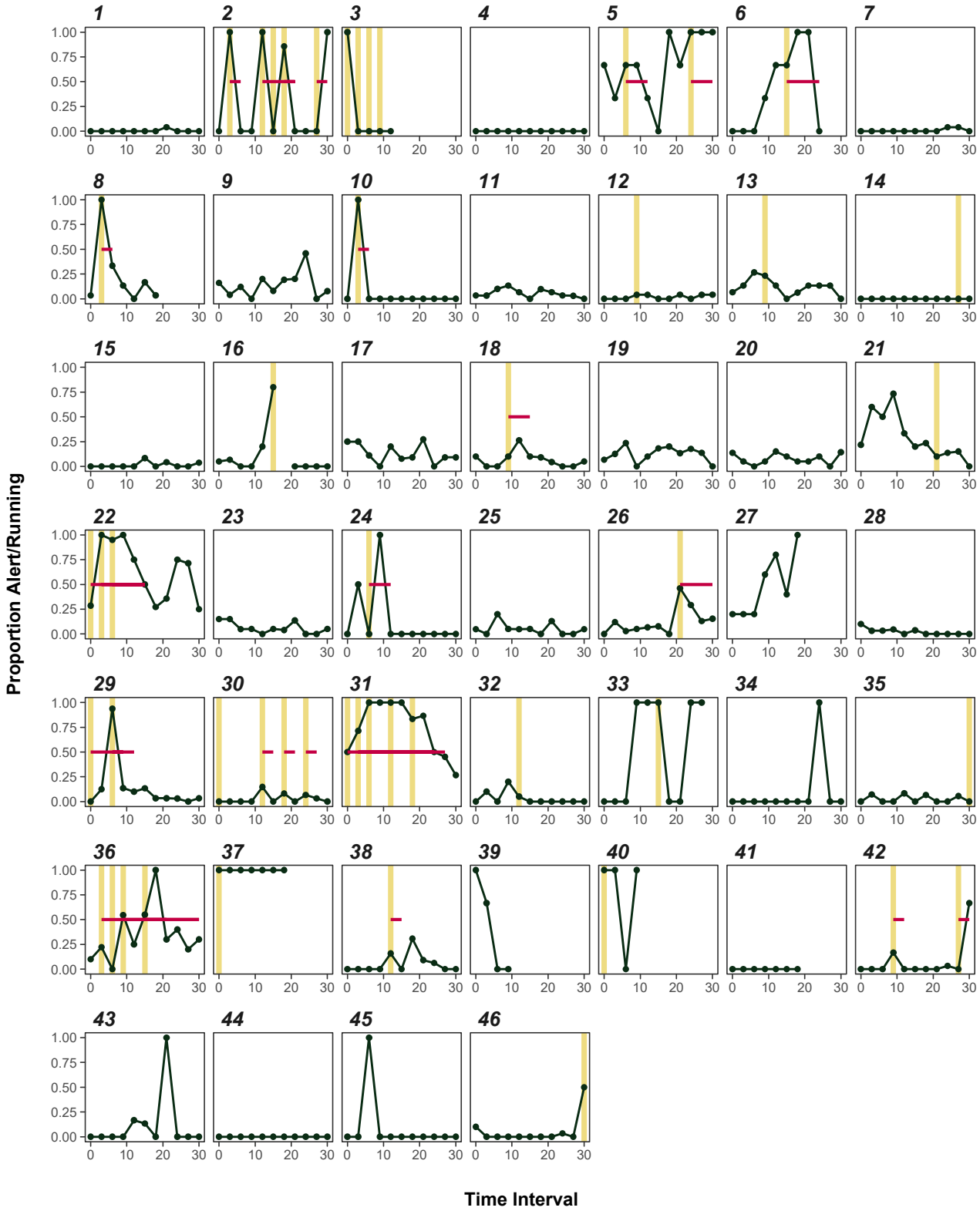


FIGURE C-3 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY – 2022

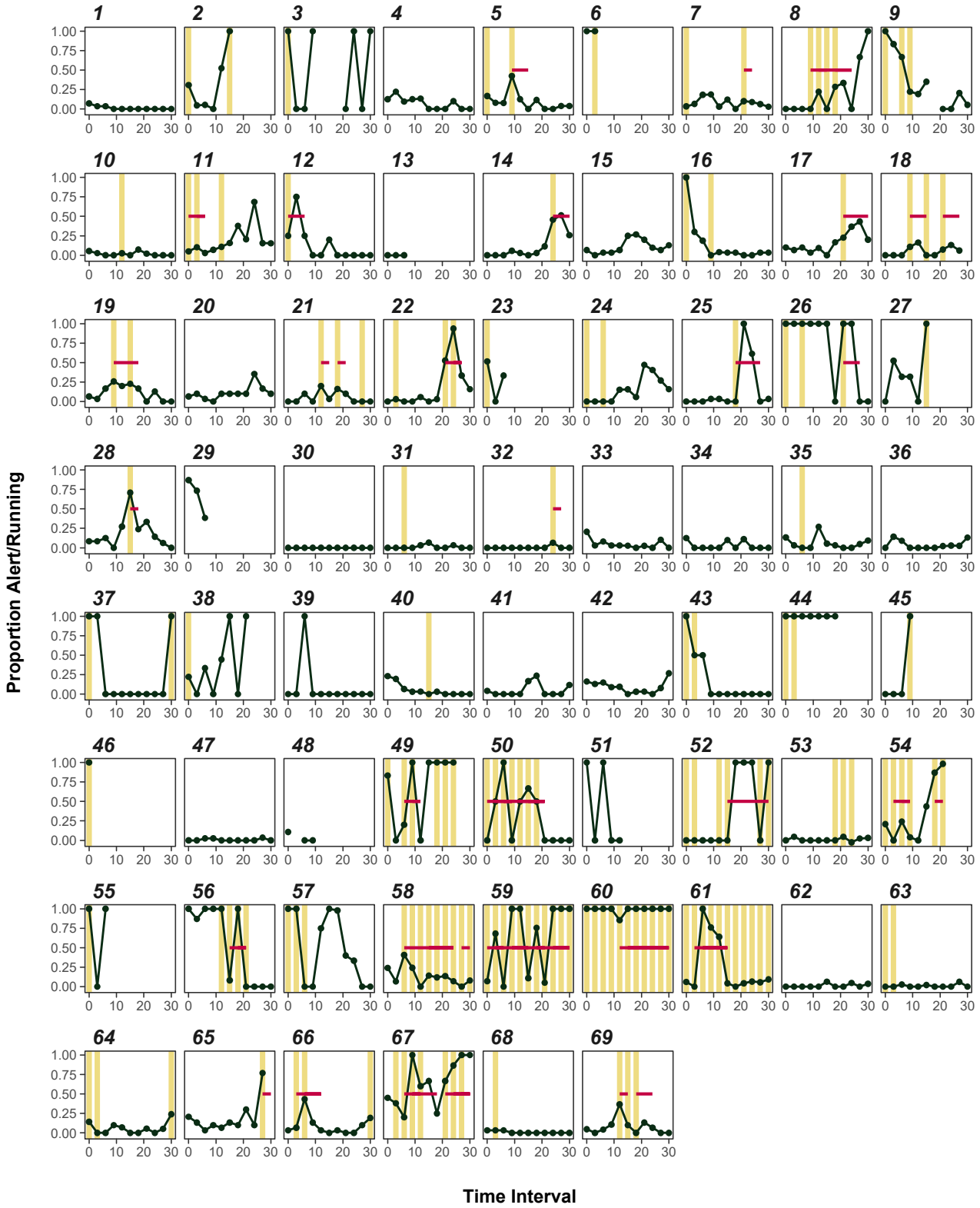


FIGURE C-4 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY – 2023

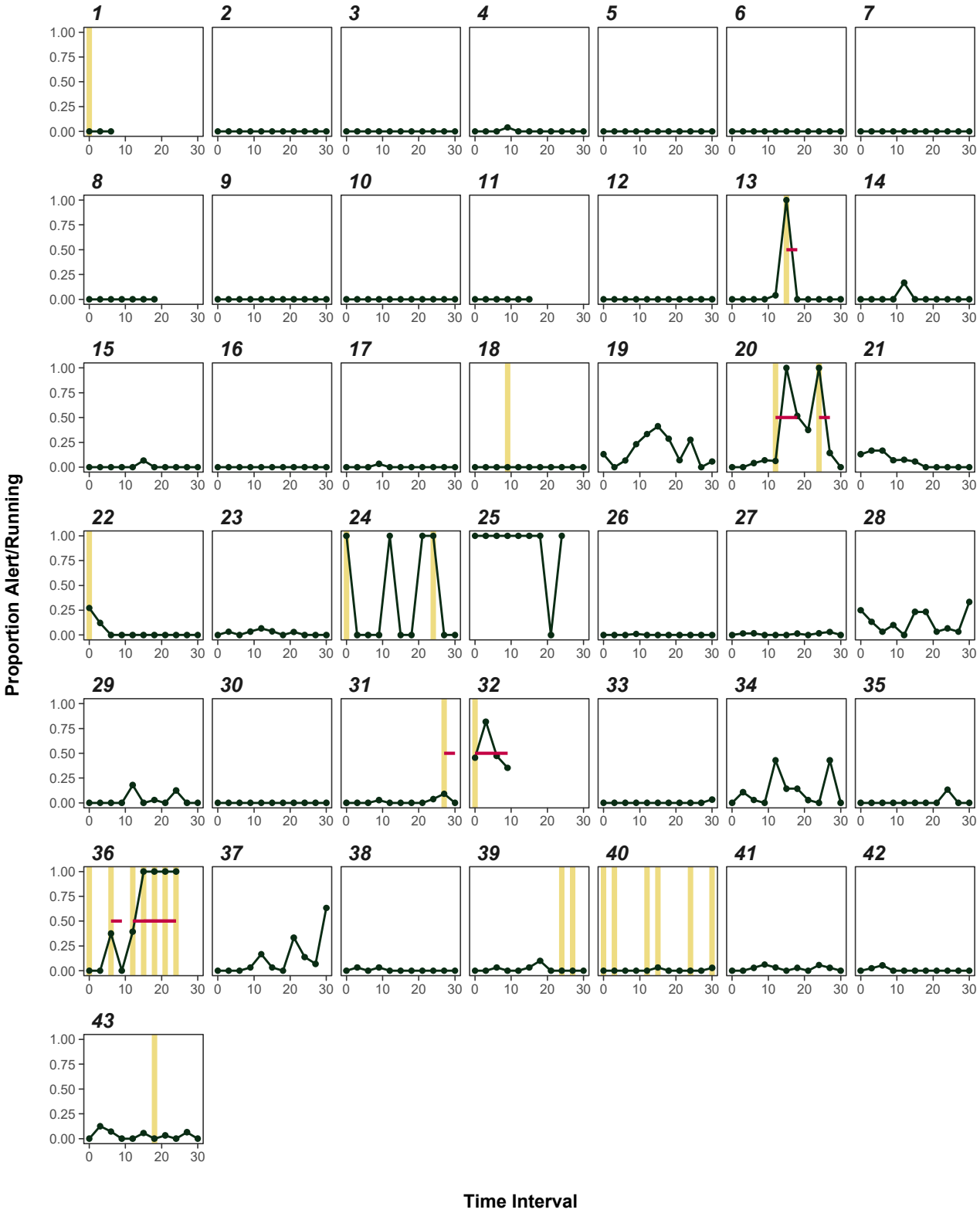
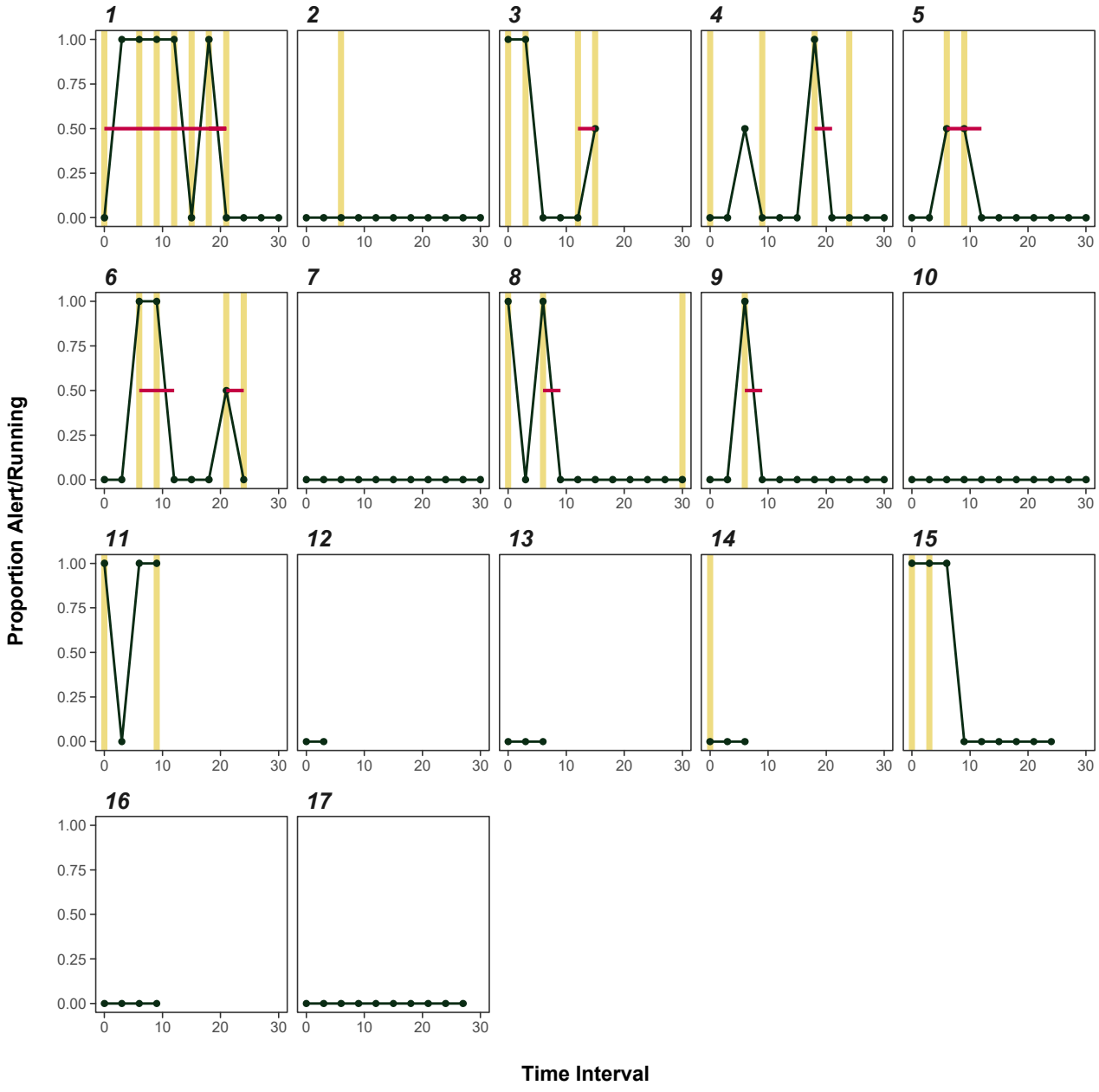


FIGURE C-5 PROPORTION OF RESPONSE BEHAVIOUR DURING EACH SURVEY – 2024





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APPENDIX H

Meliadine Project Caribou Trail Camera Study, 2025

ERM

PREPARED FOR

AGNICO EAGLE

Agnico Eagle Mines Limited

Meliadine Mine

Caribou Trail Camera Program Compilation Report, 2020 to 2025

DATE
March 2026

REFERENCE
0777443-03



SIGNATURE PAGE

Meliadine Mine

Caribou Trail Camera Program Compilation Report, 2020 to 2025

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ACRONYMS AND ABBREVIATIONS

Agnico Eagle	Agnico Eagle Mines Limited
AI	artificial intelligence
ATV	all-terrain vehicle
AWAR	Meliadine Mine All-Weather Access Road
BQCMB	Beverly Qamanirjuaq Caribou Management Board
cm	centimetre
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
Discovery Road	Discovery Access Road
ERM	ERM Consultants Canada Ltd.
GLMs	generalized linear models
GN	Government of Nunavut
GPS	Global Positioning System
IOL	Inuit-owned Land
IQ	Inuit Qaujimajatuqangit (Inuit Traditional Knowledge)
KivIA	Kivalliq Inuit Association
km	kilometre
KM	kilometre marker
m	metre
NIRB	Nunavut Impact Review Board
TAG	Terrestrial Advisory Group
TEMMP	Terrestrial Environment Management and Monitoring Plan
the Mine	the Meliadine Mine
T&C	Term and Condition

EXECUTIVE SUMMARY

The Meliadine Mine (the Mine) is operated by Agnico Eagle Mines Limited (Agnico Eagle) and is on Inuit-owned Land (IOL), approximately 25 kilometres (km) north of Rankin Inlet, Nunavut. Since 2019, caribou from the Qamanirjuaq herd have passed within 15 km of the Mine, particularly during the months of June and July; this includes caribou crossing the Meliadine Mine All-Weather Access Road (AWAR). In compliance with the Nunavut Impact Review Board's (NIRB's) Project Certificate No. 006 and associated amendments, Agnico Eagle has conducted a camera monitoring program since 2020 to examine caribou interactions with Mine infrastructure and the AWAR during their annual migration. The purpose of the camera program is to assess whether caribou distribution and movement near the Mine and AWAR are affected by infrastructure and whether there is disturbance by vehicles.

The initial camera program 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; Inuit Traditional Knowledge) where caribou more frequently crossed the road. From 2023 to 2025, after a request from the Kivalliq Inuit Association (KivIA) some cameras were moved from the AWAR to the Mine site and additional cameras were placed along the future Discovery Access Road (Discovery Road) and in the Discovery area to the south end of Meliadine Lake.

The program provides insights into caribou occurrence near the Mine site and AWAR with large numbers of caribou recorded by cameras between 2020 and 2023. In 2024 and 2025, a notable shift in caribou distribution to the south and west of the Mine reduced the number of observations at the Mine for these years. Key findings from 2020 to present indicate that the camera installations successfully recorded caribou consistently across various locations, including the AWAR, the Mine area, and along the proposed Discovery Road throughout the course of the program.

Key outcomes from the 2020–2025 analysis include the following:

1. **Camera Effort—**38 cameras were installed in early June and retrieved at the end of July 2025, which is similar to previous years. In 2020–2023, cameras were predominantly installed along the AWAR, but the cameras were shifted to a relatively even distribution between the AWAR, Mine site, and Discovery Road from 2023 to 2025 based on input from the Terrestrial Advisory Group (TAG).
2. **Caribou Habitat Use—**Between 2020 and 2023, caribou passed by the Mine and crossed the AWAR during the post-calving season from west to east; they typically crossed the AWAR again in late summer going east to west. The years 2024 and 2025 saw a change in movement patterns for the Qamanirjuaq herd, with the herd stopping south of the Mine. However, caribou continued to inhabit the Meliadine area (encompassing the Mine and the surrounding area).
3. **Road Crossing and Group Size—**Observations pooled across the six years reveal caribou in a variety of group sizes crossing the AWAR from one to two caribou to thousands of animals, indicating a lack of avoidance behaviour by both small and large caribou groups.

4. **Road Construction and Crossing—**Data from 2020 to 2025 indicated that road height and roadside slope at each camera location was not related to the number of caribou, 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.
5. **Crossing Hotspots—**In 2020, when cameras were first deployed, locations were chosen from land user and IQ information of common movement paths and crossing locations for caribou, i.e., crossing hotspots. Camera results from 2020 to 2025 supported the use of these crossing hotspots by caribou. An analysis comparing hotspots identified by IQ to crossing locations from cameras and Global Positioning System (GPS) collar data strongly supported consistency in identified crossing locations on the AWAR.
6. **Vehicle Traffic Analysis—**Data from 2020 to 2023 were used to explore whether, and how much, caribou hesitate to cross the AWAR after a vehicle has passed. Median time lag from a vehicle passing to a caribou crossing when the AWAR was open was 1.7 hours. This indicates that road closures of relatively short periods will allow caribou to cross the road—i.e., caribou do not delay crossing by many hours after seeing a vehicle. These results are likely overestimates of true crossing times, since 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. The detection of only one group of caribou in 2025 prevented a reanalysis of these data. Vehicle data from 2020 to 2025 was summarized to test differences in traffic volume when the AWAR is open or closed (due to implementation of caribou mitigations). Results showed an approximately 85 percent (%) decrease in light and heavy vehicle traffic during AWAR closure, with the remaining vehicles representing either authorized convoys, caribou survey vehicles, or emergency medical transports.
7. **Caribou Occurrence in the Mine Site and Discovery Areas—**The program found that caribou were present in both the Discovery and Mine areas, with a detection rate of 0.70 caribou per 100 camera days at the proposed Discovery Road in 2025, a decrease from 2023 and 2024. This rate decrease was compared with 2023 and 2024 data, reflecting the different caribou migratory pattern observed in 2025.

The data summarized here may be integrated with other research such as collar analysis and behaviour monitoring to inform potential cumulative effects of the Meliadine Mine (ERM 2023, 2025a).

1. PROJECT OVERVIEW

The Meliadine Mine (the Mine) is operated by Agnico Eagle Mines Limited (Agnico Eagle) and is on Inuit-owned Land (IOL), approximately 25 kilometres (km) north of Rankin Inlet, Nunavut. A 30 km All-Weather Access Road (AWAR) connects the Mine to Rankin Inlet. The Rankin Inlet Bypass Road was constructed around the hamlet to the west and south of Rankin Inlet to allow Mine traffic to circumvent Rankin Inlet when traveling from the AWAR to Itivia Harbour (i.e., Melvin Bay), southwest of Rankin Inlet (Figure 1-1).

The Mine was approved by Nunavut Impact Review Board (NIRB) in 2015 (Project Certificate No. 006) with a 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 the second quarter (Q2) of 2019. In 2019, the NIRB Project Certificate No. 006 was amended (Amendment 001) to include transport of treated saline effluent from the Mine to Itivia Harbour and discharge to the marine environment via diffuser. In 2022, the Project Certificate No. 006 was further amended (Amendment 002) to allow for the construction of a 34 km waterline, which consists of two 16-inch diameter waterlines needed to convey the treated saline effluent from the Mine to Itivia Harbour.

A camera program was conducted annually in June and July from 2020 to 2025 at the Mine site and along the AWAR to monitor caribou in support of existing NIRB monitoring conditions as outlined in Project Certificate No. 006 and the associated amendments.

1.1 REGULATORY REQUIREMENTS

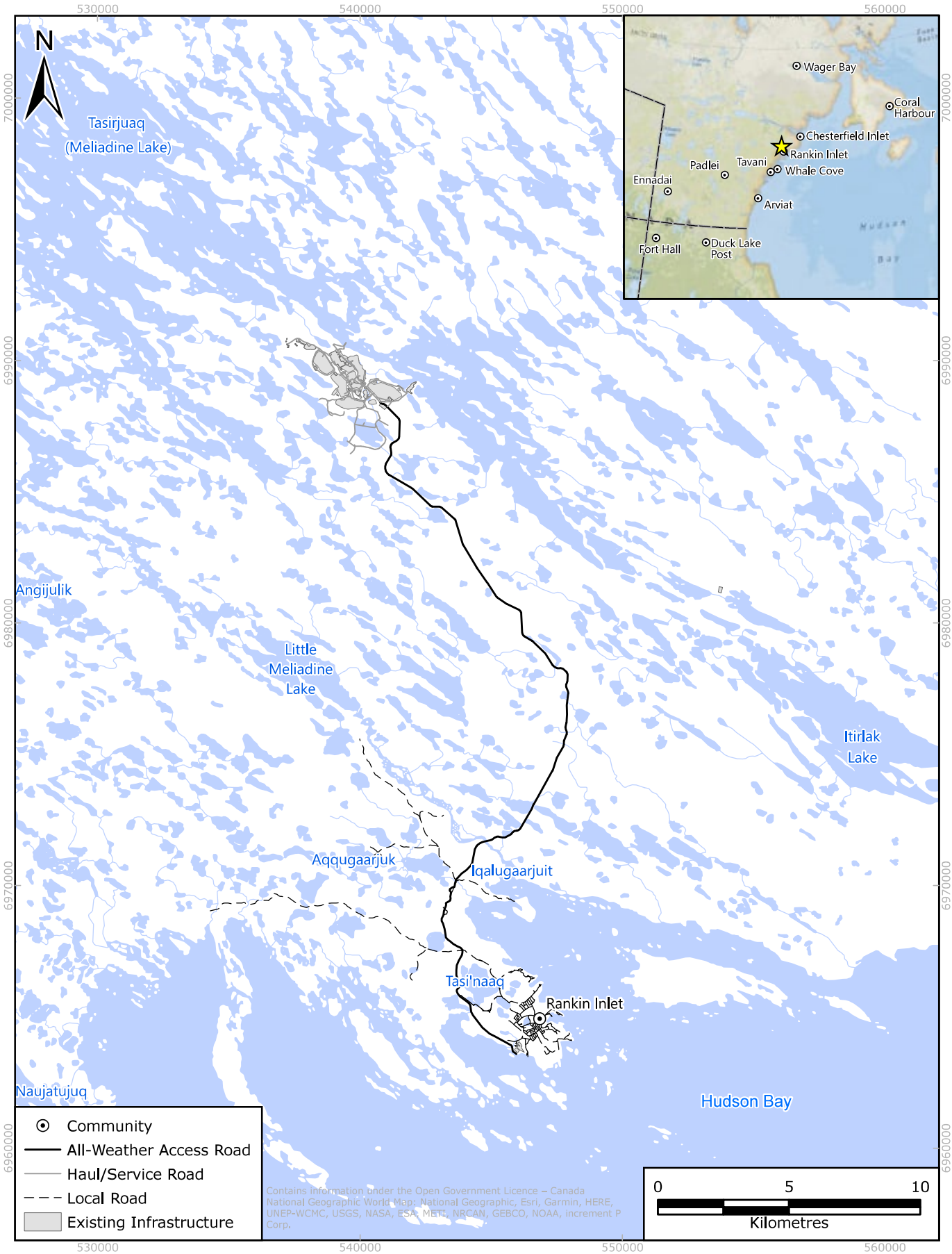
Per the 2015 NIRB Project Certificate No. 006, and the 2019 and 2022 Amendments, Term and Condition (T&C) 57 requires the Mine to report in its annual NIRB report the following:

> (T&C 57, b.) A detailed analysis of wildlife responses to operations with emphasis on wildlife behaviour, mortalities and displacements (if any), responses to operations of the all-weather access road and associated access roads/trails, and the waterlines; and
>
> (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 2025) includes components designed to meet these conditions, with a camera monitoring program (Section 4.2.3) that has the following objectives:

- Document and assess whether caribou movement near the Mine is affected by infrastructure, including the AWAR.
- Measure the effectiveness of mitigation using the cameras to record the frequency and type of traffic and the relationship between vehicles recorded on the road and at the Mine site, and caribou crossing behaviour at the road or when crossing the road during the different mitigation levels.

FIGURE 1-1 MELIADINE MINE LOCATION



ERM

CLIENT: AGNICO EAGLE MINES LIMITED
GIS NUMBER: MEL-23-047-01

DATE: 01/13/2026

PROJECTION: NAD 1983 UTM Zone 15N
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 behaviour monitoring program and Global Positioning System (GPS) collaring program (TEMMP Sections 4.5 and 4.7), which are to:

- Assess if caribou activity budgets change with distance from the Mine, and to document caribou response to stressors;
- Assess if caribou distribution changes with proximity to the Mine (i.e., do caribou avoid the Mine);
- Contribute to the scientific knowledge of caribou activity near mining operations and caribou population dynamics in Nunavut; and
- Assess whether caribou movement near the Mine area (the Mine, AWAR, and Discovery) is hindered by Mine infrastructure (i.e., Mine site infrastructure and the AWAR).

The behaviour monitoring program (ERM 2025) is designed to address the first of these objectives, while the remaining objectives are met via consideration of the results of all three monitoring programs in conjunction.

2. PROGRAM 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 assess 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 2025 program were to:

- Conduct a program using motion-trigger cameras at the Mine to estimate how the Mine infrastructure including the AWAR may affect caribou movement during seasonal migration.
- Evaluate whether there were specific locations with high numbers of caribou observations along the AWAR in 2025, and compare these locations with camera data from the period 2020–2024 and with data identified by Inuit Qaujimajatuqangit (IQ; Inuit Traditional Knowledge) and GPS collar data.
- Test if areas with certain road characteristics might be used preferentially by caribou crossing the AWAR, specifically:
  - Material of road construction (esker versus quarry);
  - Side slope;
  - Road height; and
  - Surrounding vegetation type.
- Evaluate what relationship (if any) there is between vehicles recorded on the road and location/timing of caribou observations, including quantifying traffic levels during the application of mitigation measures.
- 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 252,892 animals in 2022 (Campbell et al. 2024). This estimate is lower than the reported number of over 348,000 animals in 2008, but stable when compared with the 2017 estimate of approximately 288,000 (Boulanger et al. 2018; COSEWIC 2016). This number is also consistent with the population size reported 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 2023) and upgraded this rating to "Medium-High" in 2016, a status that remains unchanged (BQCMB 2025).

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 centred on Qamanirjuaq Lake (BQCMB 2025).

After calving, the caribou form large groups of hundreds to thousands and radiate out from the calving grounds, including going east toward the coast. During June and July, groups of animals from this herd migrate in proximity to the hamlet of Rankin Inlet, the Mine, and the AWAR, connecting them.

During summer and fall, the caribou generally move south and inland, gradually returning south to their wintering areas by early December. Maps of the caribou range and movement are available on the BQCMB website (BQCMB 2026).

3.2 TERRESTRIAL ADVISORY GROUP

A Terrestrial Advisory Group (TAG) was formed in 2022 and formalized via the creation of the Terms of Reference in 2023 as a collaborative forum to discuss the application of IQ, Traditional Knowledge, 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 program results in 2022, 2023, 2024, and 2025 with the TAG, several modifications to the program 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 investigations of relationships between vehicles on the AWAR and caribou. Several suggestions made by the TAG have been added into the 2025 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 (Agnico Eagle 2014).

The study area for the camera program included the length of the AWAR from kilometre marker (KM) 7 to KM 30, the Mine site, and the Discovery area; see Figure 1-1). During 2020, cameras were installed along the AWAR and around the Mine site. In 2021, the program 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. From 2023 to 2025, 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

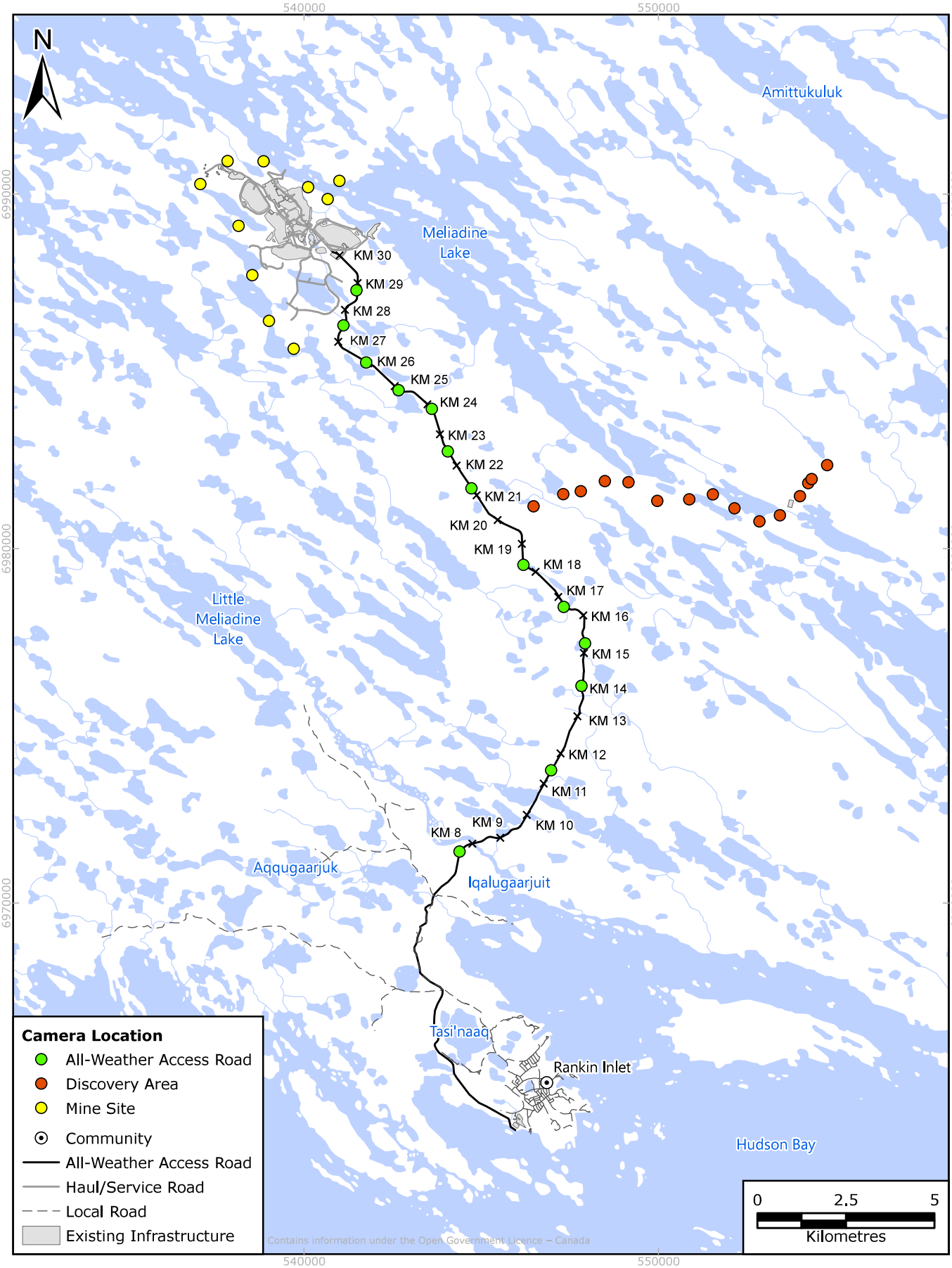
5.1 CAMERA FIELD PROGRAM

The cameras were both programmed and installed in either late May or early June by a biologist from ERM Consultants Canada Ltd. (ERM) and/or a Meliadine Environment technician. Over the span of the study, this deployment timing has provided multiple weeks of advance recording prior to caribou arrival. Cameras were deployed as soon as possible once caribou were no longer in the immediate area to prevent any disturbance during the deployment process. An ERM wildlife biologist maintained the cameras for the duration of the program and Meliadine Environment technicians removed the cameras when caribou were no longer in the area in substantial numbers (beginning in early July). Of the 38 cameras deployed in 2025, six cameras were removed by other people (presumed stolen) prior to final data collection, and four cameras experienced intermittent hardware issues, reducing the sampling period at some locations in 2025.

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 2020–2022 with five additional locations added in 2022 to extend camera coverage south along the AWAR (Table 5.1-1). Cameras were added in the Discovery Road area and Mine site areas from 2023 onward, at the request of the TAG. In 2025, fewer cameras were deployed along the AWAR (13), with cameras distributed instead around the Mine site (10), and along the proposed Discovery Road (15). Camera deployment details are as follows:

- Thirteen cameras were installed at a spacing of approximately 1,500 m along the AWAR, starting from KM 8 and ending at the mine site at KM 29.
- 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, 17 March 2020). Cameras were placed at or near these locations, or in other areas of predicted high use by caribou.
- The camera locations were stratified by road structure, with approximately half of the 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 with roughly half in each stratum.
- 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 from 2021 to 2025 AWAR, cameras were placed no more than 5 m from the side of the road to better capture vehicle traffic.
- Ten cameras were roughly equally spaced around the perimeter of the Mine site.
- Fifteen cameras were deployed along the proposed Discovery Road with roughly equal spacing between locations.
- Camera malfunctions and theft reduced the available data in 2025; however, analyses were still possible because data are pooled across years.

FIGURE 5.1-1 LOCATIONS OF MOTION-TRIGGER CAMERAS AT THE MELIADINE MINE, MAY TO AUGUST 2025



ERM

CLIENT: AGNICO EAGLE MINES LIMITED
GIS NUMBER: MEL-23-047-02

DATE: 01/13/2026

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 2025

Year	Number of AWAR Cameras	Number of Discovery Cameras	Number of Mine Site Cameras	Deployment Dates
2020	30	-	7	22 June–11 July
2021	27	-	-	23 June–13 July
2022	32[1]	-	-	22 June–22 July
2023	16[2]	15	10	4 June–14 August
2024	16	15	13	28 May–31 July
2025[3]	13	15	10	7 June–20 August

Notes:
Dashes (-) indicate years where cameras were not deployed in these areas.
[1] Thirty-four cameras were deployed in 2022, but two did not collect data due to malfunction.
[2] Three camera locations had 2 cameras of different models deployed for comparison of detectability, for a total of 19 cameras at 16 locations.
[3] Six cameras were removed by other people (presumed stolen) and four experienced intermittent malfunctions in 2025.

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.

Cameras were installed at a height of approximately 50 centimetres (cm), 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 from 2021 to 2025, 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-inch by 4-inch 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 program, all setup materials were returned to the Mine site.

Two models of cameras were deployed concurrently during the study, Bushnell Core DS No Glow, and Willd Game Innovations Switch. All Bushnell cameras (25 of the 38 [this feature is not available on the Wild Game Innovations 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:

- Help capture activity happening beyond the range of the motion detector; and
- Provide assurance that the cameras were operational during the entire duration of the program (measure effort).



Photo 5.1-1 Typical camera setup from the Meliadine 2025 Camera Program.

The cameras were checked after one week to check battery life and memory card space, and that positioning was still adequate. Throughout the duration of the program, field technicians and the ERM field biologist regularly checked the cameras to confirm they were still in place and functioning properly. Despite these efforts, six cameras were removed by other people (presumed stolen) prior to the end of the program, and four cameras experienced intermittent hardware errors resulting in a reduced dataset.

5.2 ROAD STRUCTURE FIELD PROGRAM

In 2020, additional road structure surveys were completed on the as-built AWAR to help address the objective of determining whether there are road characteristics that caribou prefer to cross on. In 2024 and 2025, the construction of a waterline parallel to the AWAR occurred, but as construction is still in progress, the same road structure data were used in the 2025 analyses as previous years. Completion and further construction of the waterlines parallel to the AWAR may affect future analyses using these data, and as such, they may be revised in future years.

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);
- Roadside slope angle—measured with an inclinometer (east and west side);
- Roadside material (esker or quarry stone);
- Substrate grain size, i.e., the area of the roadside shoulder covered by less than [<] 0.75 inch, 0.75 to 6-inches, 6 to 12 inches, and greater than [>] 12 inches stones (measurement standards used by road engineers); and
- Surrounding habitat features.

5.3 PHOTO PROCESSING

All photos from 2022 to 2025 were preprocessed 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. For consistency purposes, 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
- The duration of the motion-trigger event for events where multiple photos were captured.

In 2025, three cameras spaced along the AWAR at KM 15, 18, and 23 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.

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 in this report was collected by the Government of Nunavut (GN; collected 2013–2025) and previously made public via a data-sharing agreement. GPS location data from all Qamanirjuaq herd individuals was processed from 2013 to 2025, and the location of any AWAR crossings was recorded. Due to the temporal resolution of collar data (four-hour location fixes) the AWAR crossing points may not be exact but, instead, provide an approximation of the most likely crossing area based on the data available. These crossing locations are cross-referenced with the camera data to provide additional insight on relative proportions of caribou use in different areas of the AWAR, but are not analyzed further given the scope of the camera monitoring program.

Maps of collar data are also shared by the GN with Agnico Eagle multiple times per week and are used to estimate when caribou will arrive in the Mine area (to plan when cameras will be deployed and to implement early mitigation preparations), 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 program data both among and within years, and to assess whether factors such as road structure, vehicle traffic on the AWAR, 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 Mine area during the program period.

An initial exploratory analysis was conducted to visualize the data and assess 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 4.4.2 (R Development Core Team 2024).

6. RESULTS AND DISCUSSION

6.1 FIELDWORK

In total, 38 cameras were deployed beginning 7 June 2025, and were removed by 20 August 2025. The monitoring program concluded on 31 July 2025, when caribou had not been observed for several weeks at or near the Mine site and when collar maps indicated that they were not expected to return. On program completion, 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, though very few caribou travelled through the Mine area; instead, they generally stayed to the west of Meliadine Lake and travelled south post-calving. Camera survey efforts amounted to 1,225 trap-nights and over 100,000 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 38 cameras deployed, most remained in operation for the entire deployed period with regular checks to service batteries and memory cards.

6.2 CARIBOU DISTRIBUTION RELATIVE TO THE MINE

Of the 520 independent wildlife detection events from the cameras in 2025, 7 were of caribou. Table 6.2-1 summarizes the relative detection rates of all species detected from 2020 to 2025.

The first caribou recorded on cameras occurred on 24 June 2025, which was similar to previous survey years. While caribou have historically (from 2020 to 2023) travelled through the Mine area post-calving, in 2024 and 2025 most caribou stayed west of Meliadine Lake post-calving, then returned directly south based on GPS collar data and reports from community members on the land. As such, far fewer caribou were recorded on cameras in 2024 and 2025 as compared to previous years of the program.

6.2.1 ALL-WEATHER ACCESS ROAD CAMERAS

Only one group of caribou were recorded on the AWAR cameras in 2025 (near AWAR KM 8), preventing any new insights as to high-use crossing locations. This finding aligned with community and Mine staff observations, where very few collared caribou were observed in proximity to the AWAR in 2025.

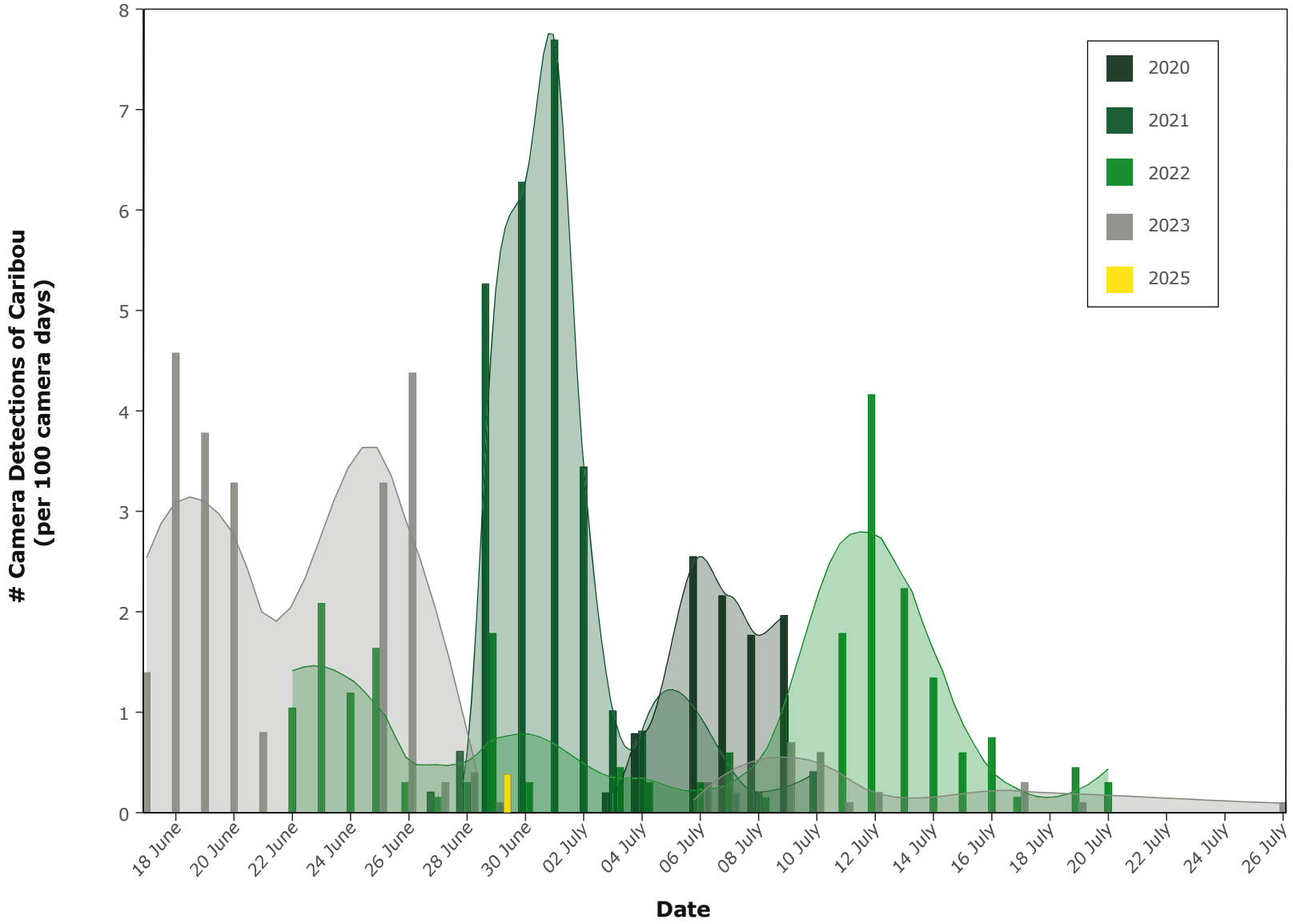
For reference, standardized for sampling effort each year, the number of caribou detections per 100 camera days on the AWAR cameras was 10.76, 25.91, 16.43, 24.85, and 0.38 in 2020, 2021, 2022, 2023, and 2025, respectively (no caribou were detected on AWAR cameras in 2024). Figure 6.2-1 shows the number of independent caribou detections per 100 active camera days in each year that detections were available (2020 to 2025, with no detections in 2024) 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.

TABLE 6.2-1 WILDLIFE DETECTIONS (DETECTIONS PER 100 CAMERA DAYS) AT THE MELIADINE MINE FROM 2020 TO 2025

Species	2020	2021	2022	2023			2024			2025		
	AWAR	AWAR	AWAR	AWAR	Discovery	Mine Site	AWAR	Discovery	Mine Site	AWAR	Discovery	Mine Site
Arctic Fox	1.54	2.83	8.43	6.16	5.13	6.55	1.32	0.07	3.78	2.65	0.28	2.72
Arctic Ground Squirrel	0.35	1.62	1.42	0.60	0.42	-	0.26	-	0.76	0.76	-	0.45
Arctic Hare	0.47	0.81	3.61	4.37	-	3.79	1.46	-	2.08	0.38	-	-
Caribou	10.76	25.91	16.43	24.85	42.58	10.34	-	1.32	0.95	0.38	0.70	0.45
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	4.37	9.13	40.08	2.27	35.01	96.36
Unknown	0.12	-	-	-	-	-	-	0.07	1.89	-	1.53	0.45
Waterfowl	6.02	6.07	-	-	-	-	-	-	-	-	-	-
Uncategorized Mammal	-	1.21	-	-	-	-	-	-	-	-	-	-
Total	**28.37**	**72.47**	**33.41**	**40.85**	**57.42**	**56.20**	**7.42**	**10.59**	**49.53**	**6.44**	**37.52**	**100.45**

Notes:
AWAR = All-Weather Access Road; Discovery = Discovery Access Road and Discovery area; Mine = Meliadine Mine
Dashes (-) indicate species that were not detected or classified in a given year and area.
Detections may be from motion-triggered photos or from timed photos. Results from 2023 to 2025 include cameras along the AWAR, along the proposed Discovery Access Road, and around the Mine site. Results from 2020 to 2022 include only the AWAR. Birds from 2022 to 2025 were not classified to species.

FIGURE 6.2-1 DATES OF CARIBOU DETECTIONS AT MELIADINE MINE ALL-WEATHER ACCESS ROAD CAMERAS, 2020–2025



Note: No caribou were recorded on AWAR cameras in 2024

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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, and a singular observation in 2025 (Figure 6.2-2). Road crossing was further analyzed in 2023 using satellite collar data, as summarized in the reports by WSP Canada Inc. (WSP 2023a, 2023b).

Time of day was not related to the number of caribou detections when visualized across all camera locations, although there was some evidence that caribou were consistently detected earlier in the day (03:00 to 12:00) than at night from 2021 to 2024 (Figure 6.2-3). The same trend was not noted in 2020 and 2025, where caribou were more frequently observed in the evening (15:00 to 21:00).

Overall, the results pooled across all years of sampling suggest that the span from KM 21 to KM 25 and KM 10 to KM 12 are major crossing areas (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 distribution of caribou crossings recorded in the camera data from 2020 to 2025, and collar data from previous years (2013 to 2024) 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.

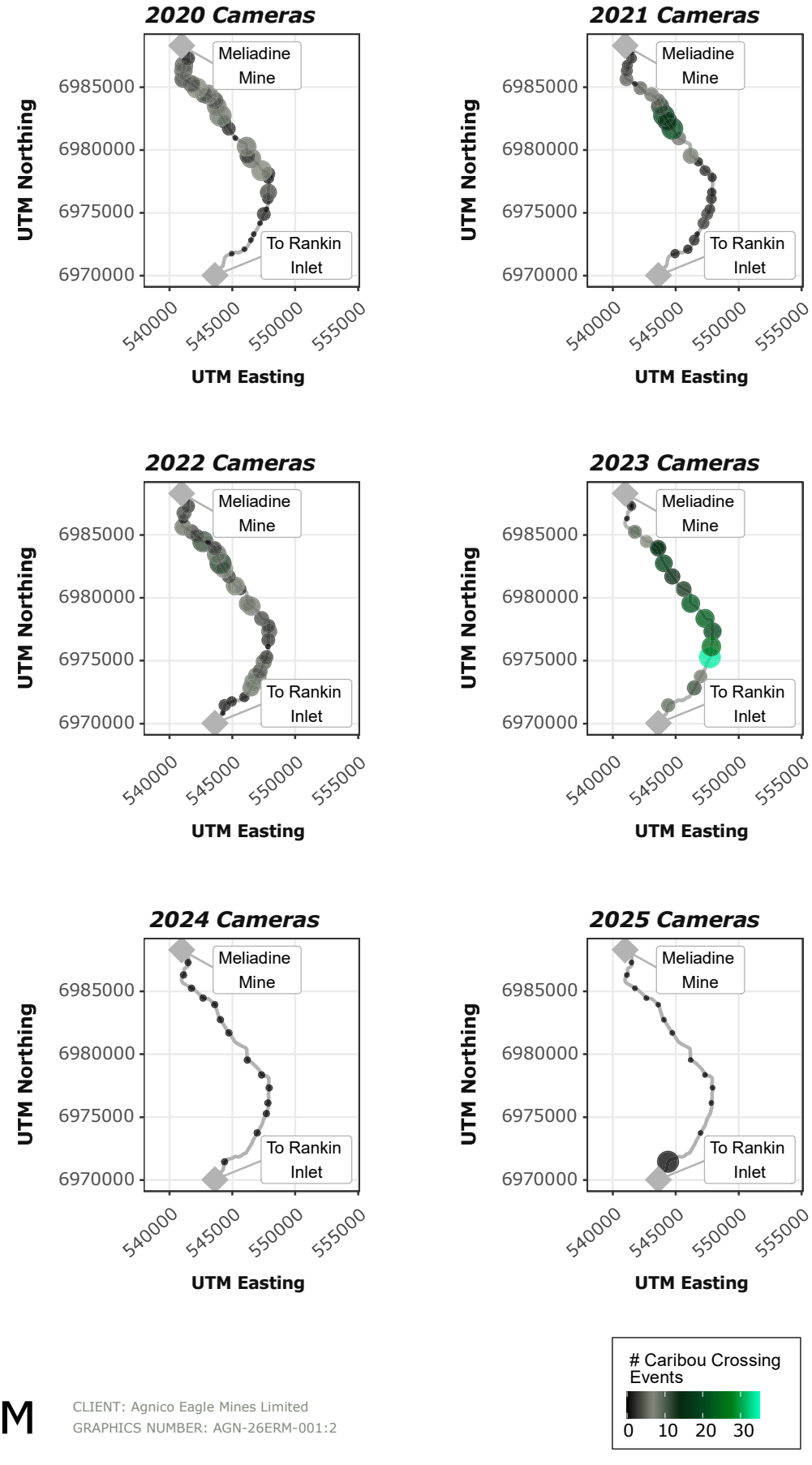
6.2.2 MINE SITE CAMERAS

In 2025, the number of caribou detections per 100 camera days on the Mine site cameras was 0.45, while in 2024 this value was 0.95, and 10.34 in 2023. The spatial location of detections around the Mine site are presented on Figure 6.2-4, and the timing of the detections in 2023 through 2025 are presented on Figure 6.2-5. In 2025, the singular caribou detection around the Mine site occurred to the southwest, while in 2024, caribou were predominantly detected northwest of the Mine site closer to the west arm of Meliadine Lake. Caribou detections recorded on camera around the Mine site occurred on 25 June in 2025, and from 4 June to 7 July in 2024, while detections in 2023 occurred from 11 June to 27 July.

6.2.3 DISCOVERY AREA CAMERAS

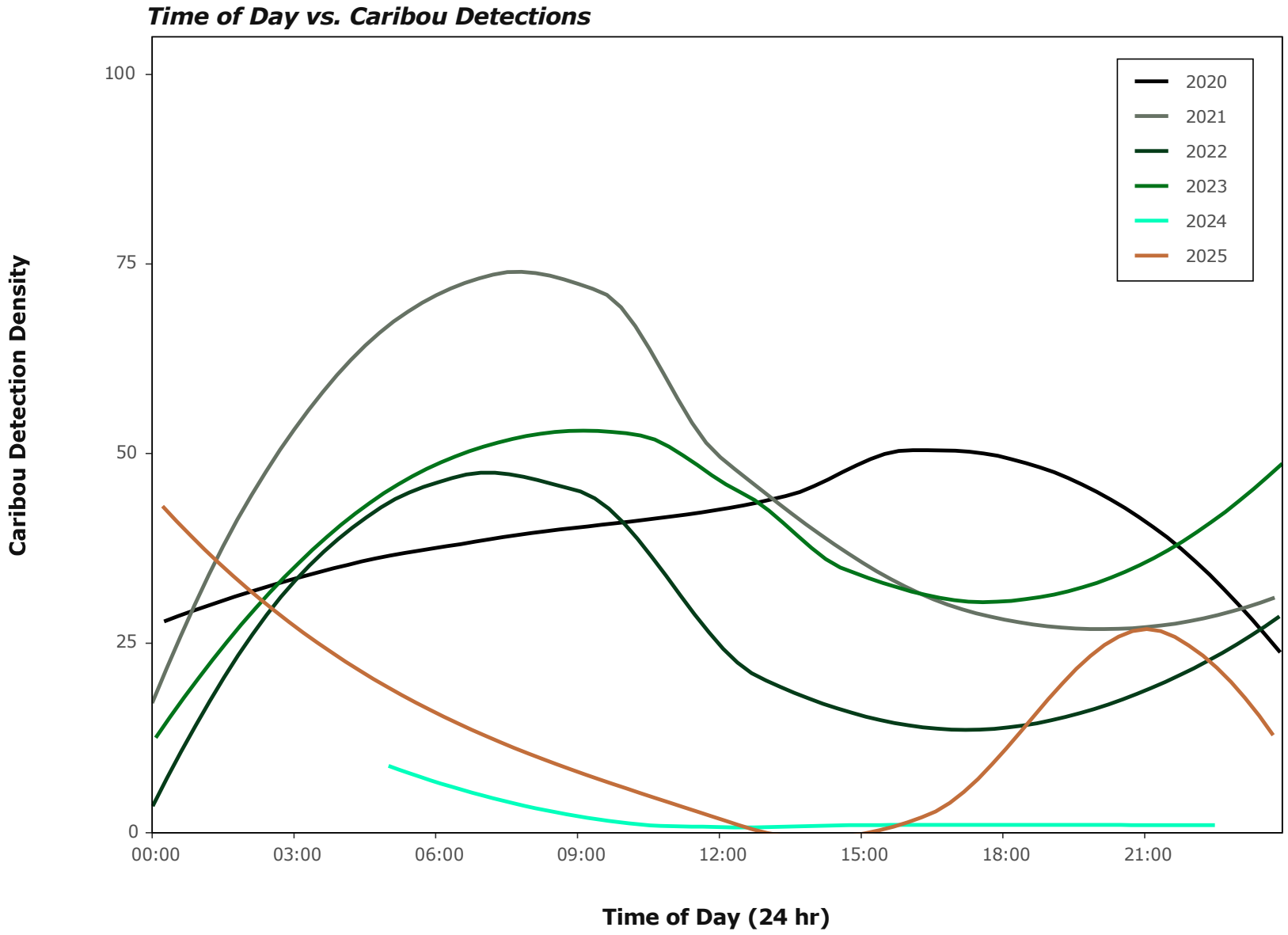
In 2025, the number of caribou detections per 100 camera days on the Discovery cameras was 0.70, while this value was 1.32 in 2024, and 42.58 in 2023. The location of detections around the Discovery area are presented on Figure 6.2-4, and the timing of detections in 2023 through 2025 are presented on Figure 6.2-6. In 2025, caribou detection density was concentrated approximately halfway along the proposed Discovery Road. There was no clear spatial pattern in detections in either 2023 or 2024. Most detections of caribou at the Discovery area occurred in late June and early July in 2024 and 2025, and the peak of detections in 2023 occurred in late June (17 June to 28 June), with a second peak in detections around 9 July.

FIGURE 6.2-2 DISTRIBUTION OF CARIBOU DETECTIONS ON ALL-WEATHER ACCESS ROAD CAMERAS, 2020–2025



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FIGURE 6.2-3 TIME OF DAY OF CARIBOU DETECTIONS ON ALL MELIADINE MINE CAMERAS, 2020–2025



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GRAPHICS NUMBER: AGN-26ERM-001:3

TABLE 6.2-2 DISTRIBUTION OF MELIADINE MINE ALL-WEATHER ACCESS ROAD CARIBOU CROSSING LOCATIONS FROM CAMERAS (2020–2025) AND FROM COLLAR DATA (2013–2025)

AWAR KM	Proportion of Camera Observations (%)						Proportion of Collar Observations (%)
	2020	2021	2022	2023	2024	2025	2013–2025
7	-	-	0	0	-	0	2
8	-	-	1	4	-	100	3
9	0	1	1	0	-	0	3
10	0	1	1	0	-	0	6
11	0	2	9	4	-	0	6
12	0	2	8	3	-	0	7
13	2	2	3	0	-	0	6
14	0	1	2	14	-	0	6
15	5	2	2	10	-	0	4
16	1	1	5	8	-	0	5
17	10	2	3	9	-	0	3
18	0	1	0	0	-	0	3
19	10	6	9	9	-	0	6
20	7	0	1	5	-	0	2
21	0	5	10	0	-	0	3
22	4	27	7	6	-	0	2
23	9	15	8	8	-	0	8
24	11	13	8	10	-	0	3
25	11	5	7	3	-	0	3
26	8	4	2	0	-	0	4
27	9	4	7	6	-	0	3
28	5	2	1	0	-	0	4
29	8	3	5	1	-	0	4
30	0	1	0	0	-	0	4

Notes:
% = percent; AWAR = All-Weather Access Road; KM = kilometre marker
Dashes (-) indicate locations where cameras were not deployed (2020 and 2021) or where no caribou were detected in a given year (2024).

FIGURE 6.2-4 CARIBOU DETECTIONS AT ALL MELIADINE MINE CAMERAS, 2023–2025

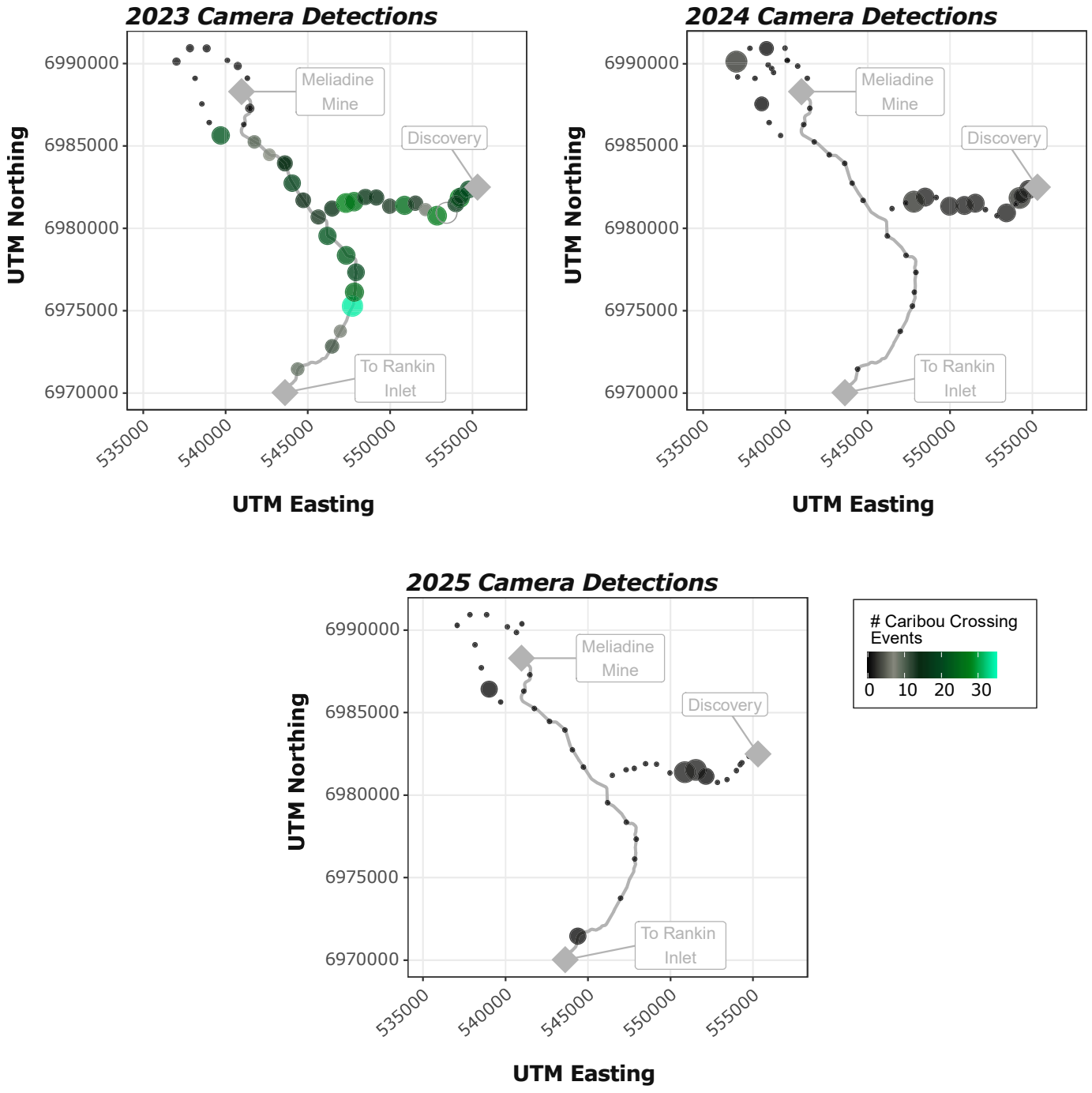
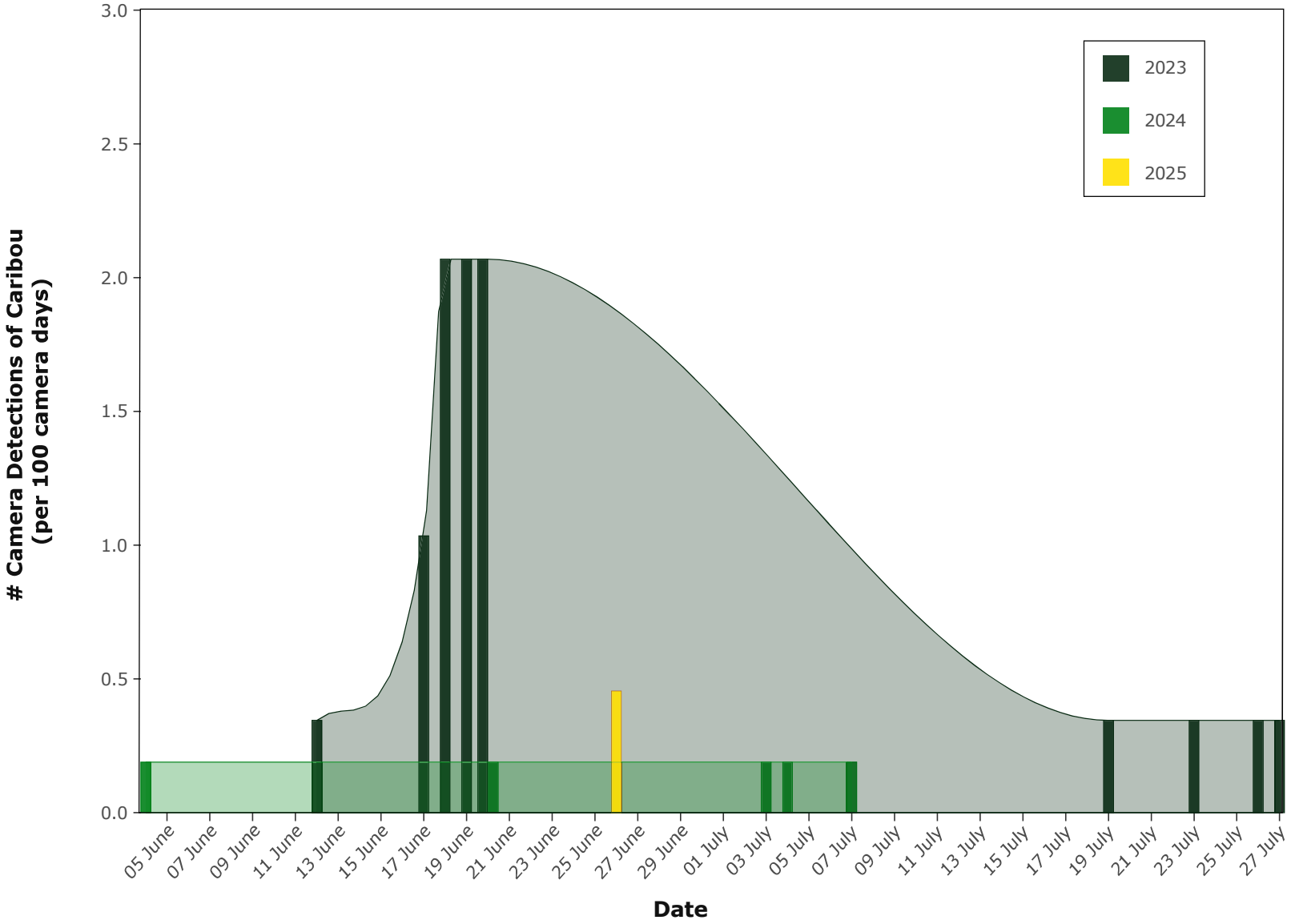


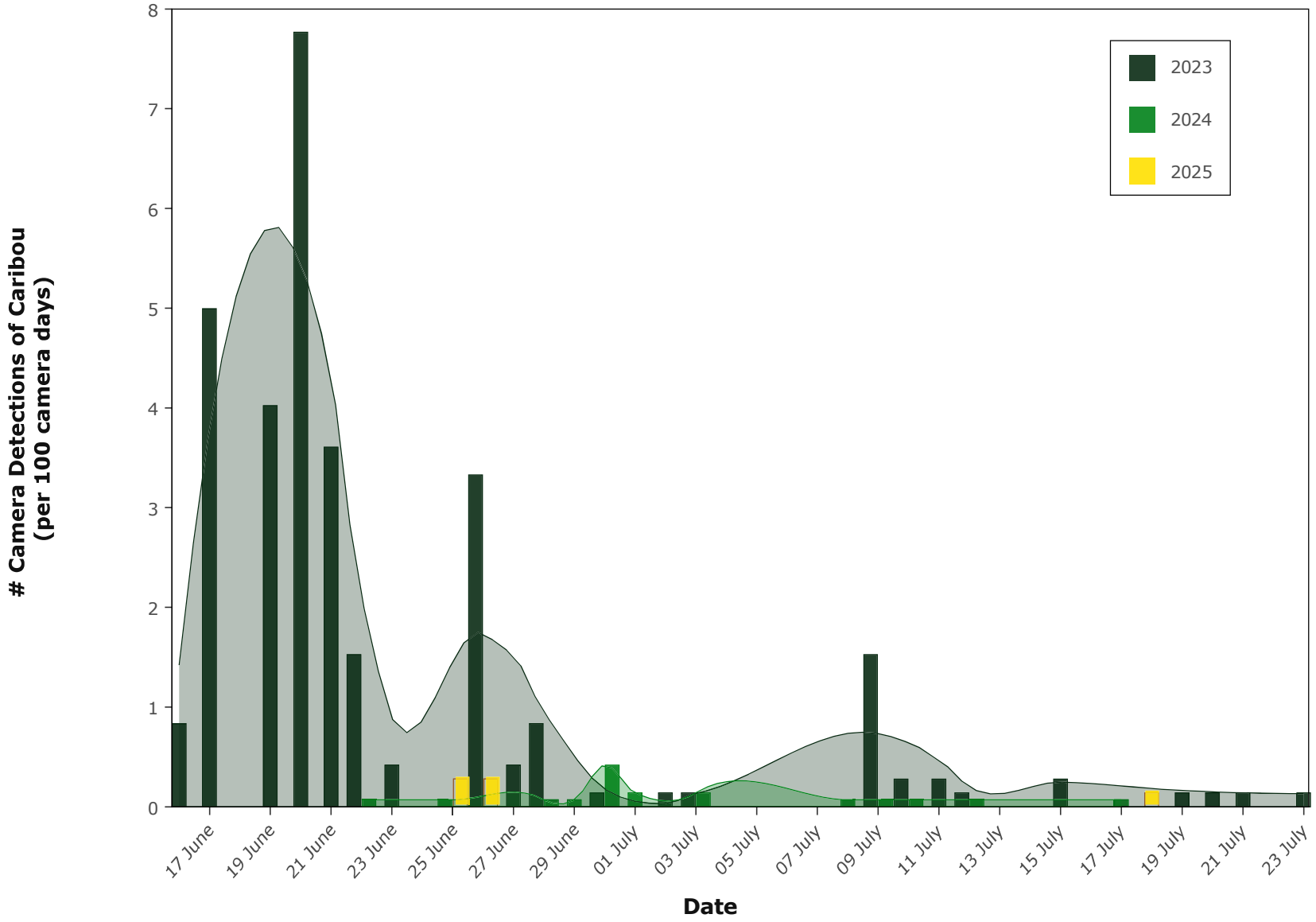
FIGURE 6.2-5 DATES OF CARIBOU DETECTIONS AT MELIADINE MINE SITE CAMERAS, 2023–2025



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GRAPHICS NUMBER: AGN-26ERM-001:5

FIGURE 6.2-6 DATES OF CARIBOU DETECTIONS AT MELIADINE MINE DISCOVERY AREA CAMERAS, 2023–2025



ERM

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GRAPHICS NUMBER: AGN-26ERM-001:6

6.3 ROAD STRUCTURE SURVEY RESULTS AND CARIBOU

An objective for this program was to use the information on the number of road crossings at each camera to assess whether caribou tend to use certain road conditions for crossing, specifically material of road construction (esker versus 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, totalling 210 surveys. The results of these surveys are presented on 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 percent (%) 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 to 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 that 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 years where they were recorded (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 from 2020 to 2025 (with no detections recorded in 2024) caribou did appear to cross the road more readily where esker material was the substrate versus 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 caribou migrations of 2023, 2024, and 2025, preparatory work and construction 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, and installation and burial of the lines themselves in 2024 and 2025 for a portion of the AWAR. While this change does not largely affect 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

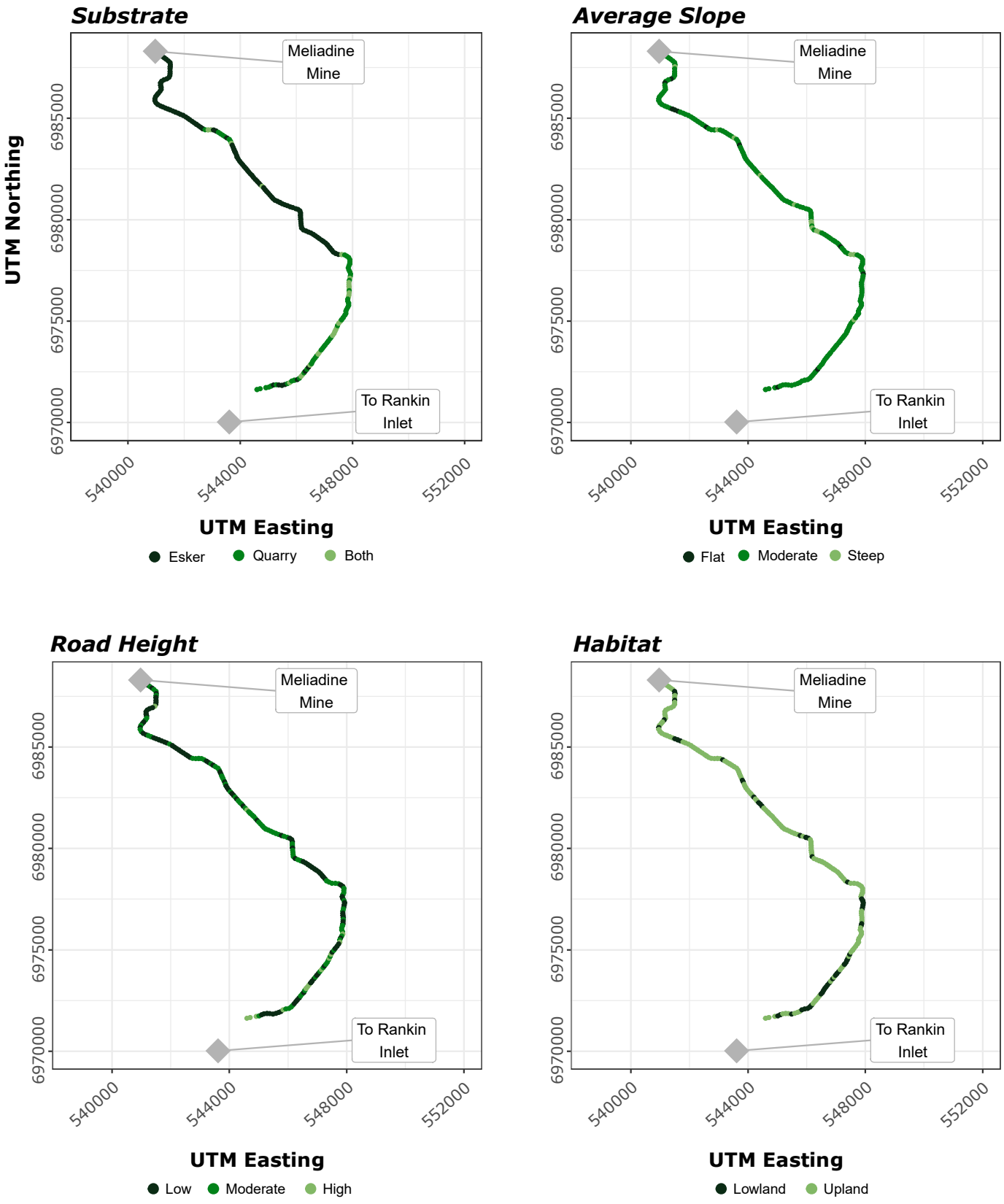
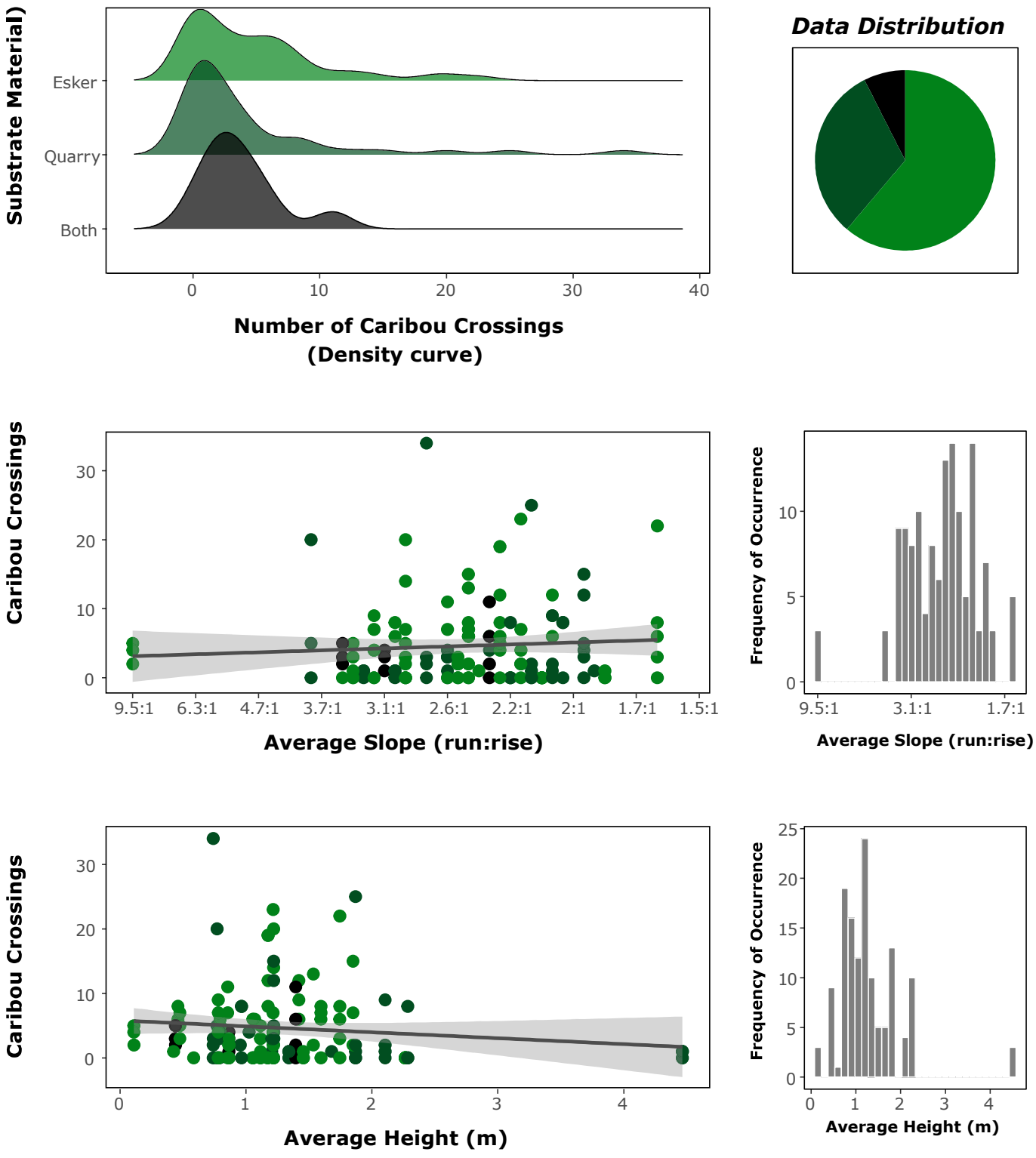


FIGURE 6.3-2 COMPARISONS OF ROAD STRUCTURE AND CARIBOU DETECTIONS, 2020–2025



CLIENT: Agnico Eagle Mines Limited
GRAPHICS NUMBER: AGN-26ERM-001:8

6.4 VEHICLE DETECTIONS ON THE ALL-WEATHER ACCESS ROAD

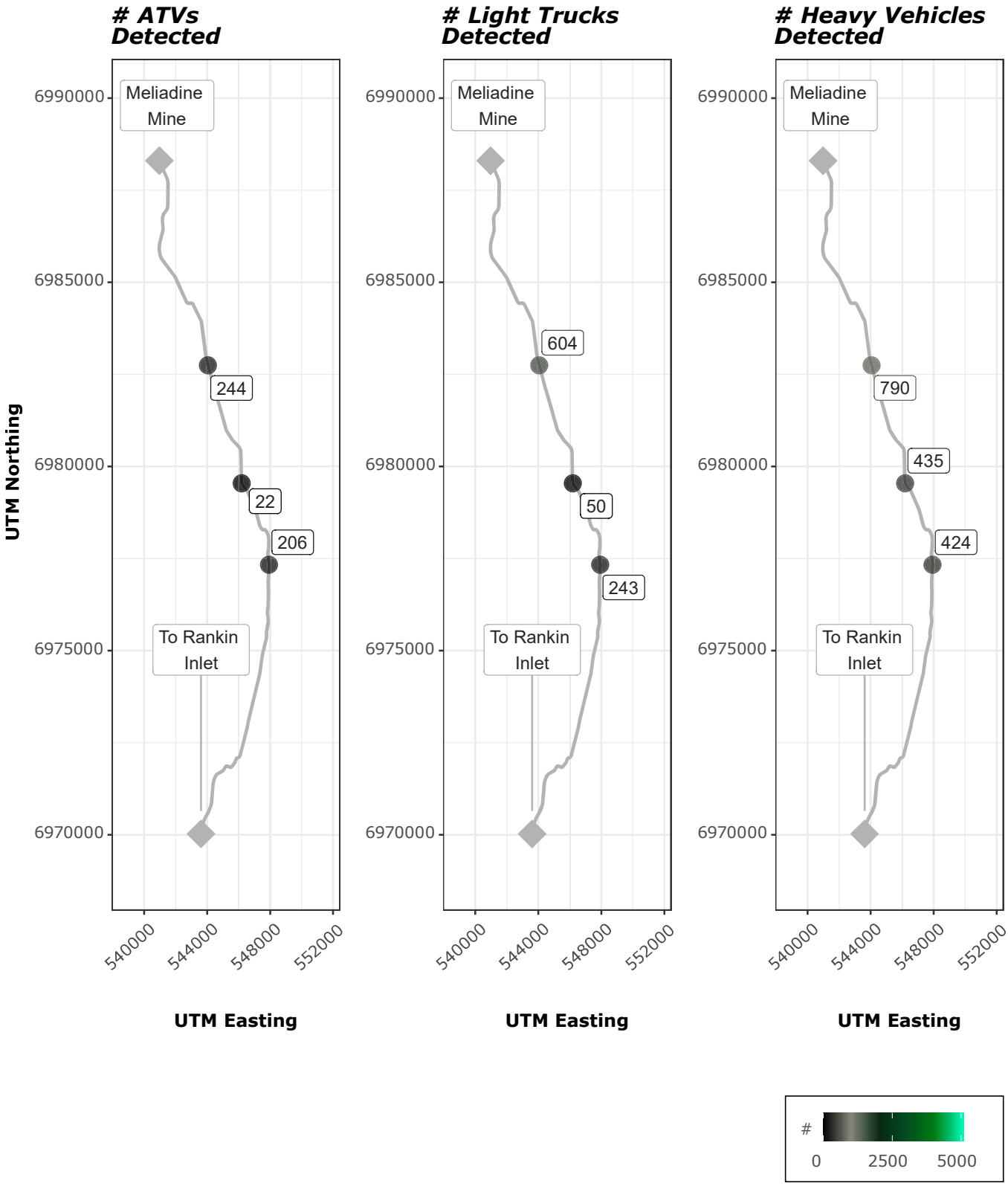
From 2021 to 2025, the cameras were angled to better capture vehicle traffic on the road based on lessons learned in 2020 when vehicle traffic was only captured incidentally. Because each camera had hundreds of vehicle triggers, it was decided that only three cameras (KM 18, 15, and 23) would be fully processed for detailed vehicle information, while all other cameras were set to record only the presence of an unclassified vehicle type. A summary of vehicles detected on those three cameras is presented in Table 6.4-1 and Figure 6.4-1. It should be noted that all cameras that accurately recorded vehicle traffic were placed north of the gatehouse in 2025, limiting local vehicle traffic to ATVs only (as other local vehicles are stopped at the gatehouse).

TABLE 6.4-1 VEHICLE DETECTIONS ACROSS THE THREE ALL-WEATHER ACCESS ROAD CAMERAS PROCESSED, 12 JUNE TO 5 JULY 2025

Vehicle Type	Vehicle	AWAR Open		
		Average Number of Detections Across Cameras	Proportion of Total Detections (%)	Average Number of Detections Per Camera Day
Heavy Vehicle	Ambulance	2	0.15	0.02
	Box truck	37	3.63	0.53
	Forklift	3	0.30	0.04
	Tanker	18	1.78	0.26
	Grader	7	0.69	0.10
	Haul truck	165	16.38	2.39
	Bus	95	9.45	1.38
	Tractor trailer	189	18.70	2.72
	Water truck	23	2.31	0.34
Light Truck	Pickup truck	289	28.67	4.18
	Service truck	10	0.96	0.14
ATV	Side-by-side and quad	157	15.56	2.27
	Motorcycle	1	0.10	0.01
Other	Miscellaneous equipment	13	1.32	0.19
Total		**1,009**		

Notes:
% = percent; ATV = all-terrain vehicle; AWAR = All-Weather Access Road

FIGURE 6.4-1 NUMBER OF VEHICLE DETECTIONS ON THE MELIADINE MINE ALL-WEATHER ACCESS ROAD, 12 JUNE TO 5 JULY 2025



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

- More light trucks and heavy vehicles were recorded in the northern section of the AWAR compared to the southern section. This is consistent with ongoing waterline construction activities, including hauling of quarry materials for waterline cover. Note that waterline construction was suspended during Level 3 Caribou Work Suspension Protocol at the Mine, as per the TEMMP (Agnico Eagle 2025).
- ATVs are relatively consistent between the southmost and northmost cameras, reflecting community travel along the length of the AWAR.
- The middle camera at AWAR KM 18 recorded low numbers of both ATVs and light vehicles, suggesting poor detectability as compared to the other camera locations as a result of reduced trigger sensitivity with this camera.

6.5 VEHICLE DETECTIONS AND CARIBOU

Using pooled vehicle data recorded on AWAR cameras from 2020 to 2025, the relative traffic levels for ATVs, light vehicles, and heavy vehicles were summarized at different levels of mitigation (a proxy for caribou presence in the area of the AWAR). As outlined in the TEMMP (Agnico Eagle 2025), the AWAR is closed to nonessential Mine traffic when 50 or more caribou are within 300 m of the AWAR (this threshold was 100 m prior to 2025). Figure 6.5-1 shows that both heavy and light vehicle traffic are highly reduced when the AWAR is closed, with the few vehicles detected during closures representing either essential crew change convoys, monitoring vehicles, or emergency medical transports. ATV traffic primarily represents local community use, as ATVs are not commonly used for Mine transport along the AWAR. Due to a lack of detections of caribou on the AWAR cameras in 2024 and 2025, no additional metrics could be calculated for direct relationships between caribou and vehicles beyond those presented in the 2023 Meliadine Camera Report (ERM 2024).

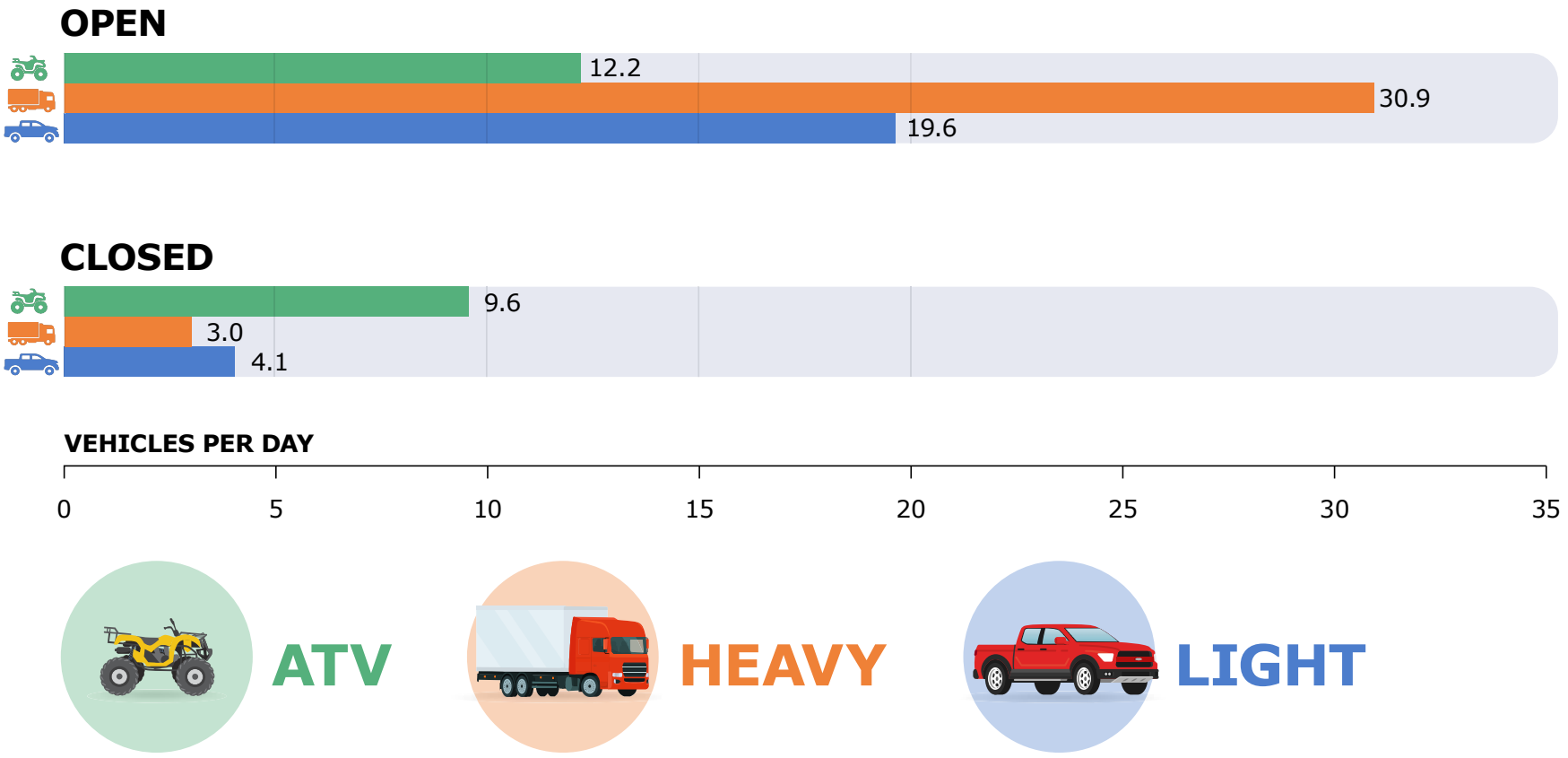
FIGURE 6.5-1 NUMBER OF VEHICLE DETECTIONS WHEN THE ALL-WEATHER ACCESS ROAD IS OPEN OR CLOSED, 2020–2025

Road Closure and Vehicles

Data is averaged across five years of operation 2020-2025 using trail cameras pointed at the road.
Traffic falls by ~40% when road is Restricted and by ~85% when Closed.

OPEN: No restrictions on the road. Traffic must obey the speed limit (50 km/hr) and must stop if they see wildlife on the road.

CLOSED: AWAR is closed to non-essential vehicles. Essential vehicles are permitted including: wildlife monitors, HTO monitors, ambulance, and convoys.



Note: Number of Vehicle Detections when the All-Weather Access Road is Open or Closed, 2020–2025

7. SUMMARY

The results of this combined six-year program continue to support the utility for cameras as an effective monitoring method. Despite a shift in expected seasonal patterns in caribou occurrence near the Mine, the camera program provides useful information to inform mitigation and future monitoring at the Mine. Overall, this camera program was successful at recording caribou in numerous locations, including crossing the AWAR in proximity to the Mine site and along the proposed Discovery Road during the six years of the program.

The **first objective** of this program was to evaluate how the AWAR and Mine site may affect caribou movement during migration. While caribou were recorded in limited numbers in 2025, limiting the ability to provide new insights, caribou do continue to be recorded in the Mine and AWAR areas. Across the six program years, caribou were observed crossing the AWAR in different group sizes, ranging from single individuals to groups of thousands, suggesting no strong avoidance by small or large caribou groups.

The **second and third objectives** of this program were to evaluate whether there were specific locations with high numbers of caribou observations along the AWAR in 2025 and compare these locations with those identified from 2020 to 2024, and by collar data and IQ. Only a single caribou group was recorded along the AWAR in 2025, occurring at the southern end of the AWAR (KM 8).

The **fourth objective** of the program was to evaluate what relationship (if any) there is between vehicles recorded on the road and location/timing of caribou observations. Due to limited caribou detections on the AWAR in 2024 and 2025, further direct analysis related to this objective was not feasible. Summary analysis of volumes of vehicle traffic during periods of AWAR closure (due to the presence of 50 or more caribou within 300 m of the AWAR [100 m prior to 2025]) shows a large decrease in both heavy and light vehicles, representing effective application of mitigations outlined in the TEMMP (Agnico Eagle 2025).

The **final objective** of the 2025 program 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 the following:

- Caribou were observed in both the Discovery and Mine areas, with the highest rate of detection on the Discovery cameras (0.70 caribou per 100 camera days). The detection rate of caribou in both areas had decreased from rates noted in 2023 and 2024, corresponding to the change in annual caribou movement patterns observed in 2025.
- Detections of caribou from these areas in 2025 contribute to the overall understanding of caribou use of the Meliadine area during important parts of their life cycle. These data may provide a comparison against data collected in the future to assist in understanding caribou response to the Mine and other factors, in addition to annual cycles in habitat use.

Data discussed in this program provide multiple insights into caribou occurrence and movement in the Meliadine area, including differences across six years of available data. The findings from this program may be incorporated with other data sources, including concurrent behaviour surveys and collar data to inform potential cumulative effects on caribou from the Mine and associated infrastructure or development. This program 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.

8. REFERENCES

Agnico Eagle (Agnico Eagle Mines Limited). 2014. *Meliadine Mine Final Environmental Impact Statement*, Volume 2. Toronto, ON.

Agnico Eagle. 2025. *Agnico Eagle Meliadine Division Terrestrial Environment Management and Monitoring Plan (TEMMP),* Version 5. Toronto, ON.

Beery, S., D. Morris, and S. Yang. 2019. *Efficient Pipeline for Camera Trap Image Review*. Accessed December 2025. Retrieved from: https://arxiv.org/abs/1907.06772.

Boulanger, J., M. Campbell, and D.S. Lee. 2018. *Estimating Abundance and Trend of the Qamanirjuaq Mainland Migratory Barren-Ground Caribou Subpopulation—June 2017.* Technical Report Series: 01-2018. Government of Nunavut.

BQCMB (Beverly and Qamanirjuaq Caribou Management Board). 2023. *The Beverly and Qamanirjuaq Caribou Management Plan 2023–2032.* Winnipeg, MB.

BQCMB. 2025. *Homepage: Beverly and Qamanirjuaq Caribou Management Board*. Accessed December 2025. Retrieved from: https://arctic-caribou.com/.

BQCMB. 2026. *Caribou Resources.* Accessed January 2026. Retrieved from: https://arctic-caribou.com/resources/.

Campbell, M., J. Boulanger, and D.S. Lee. 2024. *Estimating Abundance of the Qamanirjuaq Mainland Migratory Barren-Ground Caribou Subpopulation—June 2022*. NWMB Final Report 0000000020. Government of Nunavut Department of Environment.

COSEWIC (Committee on the Status of Endangered Wildlife in Canada). 2016. *COSEWIC Assessment and Status Report on the Caribou Rangifer Tarandus, Barren-Ground Population, in Canada.* Ottawa, ON. Accessed December 2025. Retrieved from: http://www.registrelep-sararegistry.gc.ca/default.asp?lang=en&n=24F7211B-1.

ERM (ERM Consultants Canada Ltd.). 2023. *Meliadine Mine Caribou Movement Mapping—Brownian Bridge Movement Models.* Prepared for Agnico Eagle Mines Limited. Vancouver, BC.

ERM. 2024. *Caribou Trail Camera Study Compilation Report, 2020 to 2023.* Prepared for Agnico Eagle Mines Limited. Toronto, ON.

ERM. 2025. *Meliadine Project Caribou Behaviour Study, 2024.* Prepared for Agnico Eagle Mines Limited. Toronto, ON.

Fennell, M., C. Beirne, and A.C. Burton. 2022. "Use of Object Detection in Camera Trap Image Identification: Assessing a Method to Rapidly and Accurately Classify Human and Animal Detections for Research and Application in Recreation Ecology." *Global Ecology and Conservation*, 35: e02104.

R Development Core Team. 2024. *R: A Language and Environment for Statistical Computing*. Version 4.4.2. R Foundation for Statistical Computing. Vienna.

WSP Canada Inc. (WSP). 2023a. *Commitment 38 Analyses: Caribou Movements Relative to Meliadine Mine and Other Factors.* Prepared for Agnico Eagle Mines Limited.

WSP. 2023b. *Commitment 38 Analyses: Addendum*. Prepared for Agnico Eagle Mines Limited.

APPENDIX A DATA FROM WILDLIFE CAMERAS

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM21	AWAR	2025-06-14 01:39:51	Arctic fox	1	0	Running		
A7	AWAR	2025-06-16 22:26:38	Arctic fox	1	0	Running		
CAM21	AWAR	2025-06-19 06:53:26	Arctic fox	1	0	Walking		
CAM34	Mine Site	2025-06-20 05:31:37	Arctic fox	1	0	Running		
A6	AWAR	2025-06-20 23:34:16	Arctic fox	1	0	Walking		
A7	AWAR	2025-06-21 01:29:18	Arctic fox	1	0	Running		
A6	AWAR	2025-06-21 23:31:27	Arctic fox	1	0	Walking		
A3	AWAR	2025-06-22 20:57:23	Arctic fox	1	0	Running		
CAM38	Mine Site	2025-06-28 03:10:38	Arctic fox	1	0	Walking		
CAM39	Mine Site	2025-06-28 09:07:02	Arctic fox	1	0	Feeding	Drinking	
CAM34	Mine Site	2025-07-02 21:28:44	Arctic fox	1	0	Walking		
CAM34	Mine Site	2025-07-03 15:22:16	Arctic fox	1	0	Running		
CAM38	Mine Site	2025-07-04 06:29:59	Arctic fox	1	0	Walking		
CAM12	Discovery	2025-07-09 01:38:14	Arctic fox	1	0	Running		
CAM04	Discovery	2025-07-16 09:00:00	Arctic fox	1	0	Walking	In distance	
A6	AWAR	2025-06-27 06:48:55	Arctic hare	2	0	Running		
CAM14	Discovery	2025-06-08 16:04:07	Bird (comment)	2	0	Flying	Sandhill Crane	
CAM12	Discovery	2025-06-08 19:29:59	Bird (comment)	3	0	Walking	Sandhill crane	
CAM14	Discovery	2025-06-09 04:35:30	Bird (comment)	1	0	Flying	Feathers	
CAM05	Discovery	2025-06-09 08:29:59	Bird (comment)	4	0	Walking	Sandhill crane	
CAM12	Discovery	2025-06-09 08:59:59	Bird (comment)	1	0	Feeding	Canada Goose	
CAM14	Discovery	2025-06-09 10:08:40	Bird (comment)	1	0	Flying	Feather	
CAM07	Discovery	2025-06-09 14:59:59	Bird (comment)	2	0	Standing	Sandhill crane	
CAM12	Discovery	2025-06-10 12:30:00	Bird (comment)	1	0	Walking	Sandhill crane	
CAM14	Discovery	2025-06-10 13:29:59	Bird (comment)	1	0	Walking	Gull	
CAM12	Discovery	2025-06-11 01:59:59	Bird (comment)	1	0	Walking	Songbird	
CAM39	Mine Site	2025-06-11 13:20:23	Bird (comment)	2	0	Flying	Songbird	
CAM14	Discovery	2025-06-11 13:29:59	Bird (comment)	1	0	Walking	Gull	
CAM07	Discovery	2025-06-11 16:59:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM07	Discovery	2025-06-11 20:29:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM39	Mine Site	2025-06-11 20:35:27	Bird (comment)	1	0	Flying	Bird feet	
CAM04	Discovery	2025-06-11 20:59:59	Bird (comment)	1	0	Feeding	Sandhill crane	
CAM14	Discovery	2025-06-12 03:59:59	Bird (comment)	1	0	Flying	Gull	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM14	Discovery	2025-06-12 05:00:00	Bird (comment)	1	0	Walking	Gull	
CAM31	Mine Site	2025-06-12 05:29:59	Bird (comment)	1	0	Standing	Gull	
CAM39	Mine Site	2025-06-12 07:29:59	Bird (comment)	1	0	Standing	Tundra swan	
CAM39	Mine Site	2025-06-12 07:37:19	Bird (comment)	1	0	Standing	Canada goose	
CAM31	Mine Site	2025-06-12 10:29:59	Bird (comment)	2	0	Feeding	Canada Goose	
CAM29	Mine Site	2025-06-12 11:59:59	Bird (comment)	2	0	Feeding	Canada Goose	
CAM08	Discovery	2025-06-12 16:00:00	Bird (comment)	1	0	Feeding	Tundra swan	
CAM03	Discovery	2025-06-13 07:42:01	Bird (comment)	1	0	Flying	Tail feathers	
CAM34	Mine Site	2025-06-13 14:59:59	Bird (comment)	1	0	Walking	Songbird	
CAM30	Mine Site	2025-06-13 16:00:00	Bird (comment)	2	0	Walking	Canada goose	
CAM31	Mine Site	2025-06-13 16:29:59	Bird (comment)	1	0	Standing	Canada Goose	
CAM07	Discovery	2025-06-13 20:59:59	Bird (comment)	2	0	Standing	Sandhill crane	
CAM31	Mine Site	2025-06-14 05:59:59	Bird (comment)	2	0	Feeding	Canada Goose	
CAM07	Discovery	2025-06-14 06:59:59	Bird (comment)	4	0	Flying	Sandhill crane	
CAM12	Discovery	2025-06-14 07:59:59	Bird (comment)	2	0	Feeding	Canada goose	
A7	AWAR	2025-06-14 08:15:59	Bird (comment)	3	0	Walking	Canada Goose	
CAM12	Discovery	2025-06-14 08:29:59	Bird (comment)	1	0	Feeding	Canada goose	
CAM39	Mine Site	2025-06-14 14:40:58	Bird (comment)	5	0	Flying	Canada Goose	
CAM31	Mine Site	2025-06-14 15:43:25	Bird (comment)	1	0	Flying	Tail feathers	
A4	AWAR	2025-06-14 17:12:56	Bird (comment)	2	0	Walking	Canada Goose	
CAM39	Mine Site	2025-06-15 10:59:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM39	Mine Site	2025-06-15 11:29:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM34	Mine Site	2025-06-15 11:30:00	Bird (comment)	1	0	Flying	Canada goose	
CAM39	Mine Site	2025-06-15 11:59:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM31	Mine Site	2025-06-15 12:30:00	Bird (comment)	1	0	Resting	Gull	
CAM39	Mine Site	2025-06-15 14:29:59	Bird (comment)	1	0	Standing	Gull	
CAM39	Mine Site	2025-06-15 14:59:59	Bird (comment)	1	0	Flying	Gull	
CAM03	Discovery	2025-06-15 17:39:33	Bird (comment)	2	0	Flying	Tundra Swan	
CAM17	Mine Site	2025-06-15 20:59:59	Bird (comment)	18	0	Flying	Birds flying far in the distance	
CAM39	Mine Site	2025-06-15 23:29:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM34	Mine Site	2025-06-16 05:59:59	Bird (comment)	1	0	Walking	Songbird	
CAM39	Mine Site	2025-06-16 06:29:59	Bird (comment)	2	0	Walking	Canada goose	
CAM31	Mine Site	2025-06-16 10:00:00	Bird (comment)	2	0	Feeding	Canada Goose	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM12	Discovery	2025-06-16 11:59:59	Bird (comment)	3	0	Feeding	Sandhill Crane	
CAM39	Mine Site	2025-06-16 13:29:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM10	Discovery	2025-06-16 14:59:59	Bird (comment)	1	0	Feeding	Sandhill Crane	
CAM10	Discovery	2025-06-16 16:59:59	Bird (comment)	6	0	Flying	Canada Goose	
CAM38	Mine Site	2025-06-17 04:59:59	Bird (comment)	1	0	Walking	Tundra swan	
CAM38	Mine Site	2025-06-17 16:00:00	Bird (comment)	1	0	Standing	Tundra swan	
CAM10	Discovery	2025-06-17 16:59:59	Bird (comment)	2	0	Feeding	Sandhill crane	
CAM10	Discovery	2025-06-17 17:59:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM39	Mine Site	2025-06-18 02:59:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM39	Mine Site	2025-06-18 03:59:59	Bird (comment)	2	0	Resting	Canada goose, swimming	
CAM39	Mine Site	2025-06-18 05:29:59	Bird (comment)	1	0	Standing	Canada goose	
CAM39	Mine Site	2025-06-18 05:59:59	Bird (comment)	1	0	Standing	Canada Goose	
CAM39	Mine Site	2025-06-18 06:59:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM39	Mine Site	2025-06-18 07:29:59	Bird (comment)	2	0	Resting	Duck sp.	
CAM39	Mine Site	2025-06-18 07:59:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM39	Mine Site	2025-06-18 08:29:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM39	Mine Site	2025-06-18 08:59:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM39	Mine Site	2025-06-18 09:59:59	Bird (comment)	1	0	Feeding	Canada goose	
CAM08	Discovery	2025-06-18 15:59:59	Bird (comment)	3	0	Resting	Canada goose	
CAM39	Mine Site	2025-06-18 15:59:59	Bird (comment)	1	0	Standing	Tundra swan	
CAM31	Mine Site	2025-06-18 18:59:59	Bird (comment)	1	0	Feeding	Sandhill crane	
CAM12	Discovery	2025-06-18 22:59:59	Bird (comment)	1	0	Feeding	Canada goose	
CAM39	Mine Site	2025-06-19 00:00:01	Bird (comment)	2	0	Resting	Canada goose	
CAM17	Mine Site	2025-06-19 01:30:00	Bird (comment)	1	0	Walking	Sandhill crane	
CAM31	Mine Site	2025-06-19 03:29:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM14	Discovery	2025-06-19 12:30:00	Bird (comment)	1	0	Walking	Sandhill crane	
CAM14	Discovery	2025-06-20 04:29:59	Bird (comment)	1	0	Walking	Gull	
CAM31	Mine Site	2025-06-20 04:29:59	Bird (comment)	1	0	Walking	Canada Goose	
CAM39	Mine Site	2025-06-20 06:59:59	Bird (comment)	1	0	Standing	Canada goose	
CAM30	Mine Site	2025-06-20 09:29:59	Bird (comment)	1	0	Standing	Canada goose	
CAM31	Mine Site	2025-06-20 09:59:59	Bird (comment)	1	0	Walking	Canada Goose	
CAM39	Mine Site	2025-06-20 12:59:59	Bird (comment)	2	0	Standing	Canada goose	
CAM14	Discovery	2025-06-20 14:29:59	Bird (comment)	1	0	Walking	Gull	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM39	Mine Site	2025-06-20 17:29:59	Bird (comment)	1	0	Standing	Sandhill Crane	
CAM17	Mine Site	2025-06-20 18:14:11	Bird (comment)	5	0	Flying	Canada Goose	
CAM29	Mine Site	2025-06-20 20:59:59	Bird (comment)	1	0	Standing	Canada Goose	
CAM39	Mine Site	2025-06-21 00:59:59	Bird (comment)	1	0	Resting	Duck sp.	
CAM38	Mine Site	2025-06-21 01:59:59	Bird (comment)	2	0	Standing	Tundra swan	
CAM38	Mine Site	2025-06-21 02:00:02	Bird (comment)	2	0	Standing	Tundra swan	
CAM30	Mine Site	2025-06-21 08:00:00	Bird (comment)	1	0	Standing	Canada goose	
CAM30	Mine Site	2025-06-21 08:30:00	Bird (comment)	0	0	Standing	Canada goose	
CAM30	Mine Site	2025-06-21 08:59:59	Bird (comment)	0	0	Standing	Canada goose	
CAM34	Mine Site	2025-06-21 08:59:59	Bird (comment)	3	0	Walking	Canada goose	
CAM39	Mine Site	2025-06-21 09:29:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM30	Mine Site	2025-06-21 09:30:00	Bird (comment)	0	0	Standing	Canada goose	
CAM20	Mine Site	2025-06-21 09:59:59	Bird (comment)	1	0	Standing	Canada goose	
CAM30	Mine Site	2025-06-21 10:00:00	Bird (comment)	0	0	Standing	Canada goose	
CAM30	Mine Site	2025-06-21 10:30:00	Bird (comment)	0	0	Standing	Canada goose	
CAM30	Mine Site	2025-06-21 10:59:59	Bird (comment)	0	0	Standing	Canada goose	
CAM38	Mine Site	2025-06-21 10:59:59	Bird (comment)	2	0	Walking	Tundra swan	
CAM34	Mine Site	2025-06-21 11:00:00	Bird (comment)	1	0	Walking	Songbird	
CAM38	Mine Site	2025-06-21 11:29:59	Bird (comment)	2	0	Standing	Tundra swan	
CAM30	Mine Site	2025-06-21 11:30:00	Bird (comment)	0	0	Standing	Canada goose	
CAM38	Mine Site	2025-06-21 11:59:59	Bird (comment)	2	0	Standing	Tundra swan	
CAM30	Mine Site	2025-06-21 12:00:00	Bird (comment)	0	0	Standing	Canada goose	
CAM30	Mine Site	2025-06-21 12:29:59	Bird (comment)	0	0	Standing	Canada goose	
CAM38	Mine Site	2025-06-21 12:29:59	Bird (comment)	2	0	Standing	Tundra swan	
CAM38	Mine Site	2025-06-21 12:59:59	Bird (comment)	2	0	Standing	Tundra swan	
CAM30	Mine Site	2025-06-21 13:00:00	Bird (comment)	0	0	Standing	Canada goose	
CAM38	Mine Site	2025-06-21 13:29:59	Bird (comment)	1	0	Standing	Tundra swan	
CAM30	Mine Site	2025-06-21 13:30:00	Bird (comment)	1	0	Standing	Canada goose	
CAM30	Mine Site	2025-06-21 13:59:59	Bird (comment)	0	0			
CAM38	Mine Site	2025-06-21 13:59:59	Bird (comment)	1	0	Standing	Tundra swan	
CAM30	Mine Site	2025-06-21 14:29:59	Bird (comment)	0	0			
CAM38	Mine Site	2025-06-21 14:29:59	Bird (comment)	1	0	Standing	Tundra swan	
CAM30	Mine Site	2025-06-21 15:00:00	Bird (comment)	0	0			

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM29	Mine Site	2025-06-21 15:29:59	Bird (comment)	1	0	Feeding	Canada goose	
CAM30	Mine Site	2025-06-21 15:29:59	Bird (comment)	0	0			
CAM31	Mine Site	2025-06-21 15:29:59	Bird (comment)	1	0	Standing	Canada goose	
CAM20	Mine Site	2025-06-21 16:00:00	Bird (comment)	1	0	Feeding	Canada goose	
CAM30	Mine Site	2025-06-21 16:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 16:29:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 16:59:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 17:29:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 18:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 18:30:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 19:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 19:29:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 19:59:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 20:29:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 21:00:00	Bird (comment)	0	0			
CAM07	Discovery	2025-06-21 21:29:59	Bird (comment)	1	0	Standing	Songbird	
CAM30	Mine Site	2025-06-21 21:29:59	Bird (comment)	0	0			
CAM39	Mine Site	2025-06-21 21:29:59	Bird (comment)	1	0	Flying	Tundra swan	
CAM30	Mine Site	2025-06-21 22:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 22:30:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-21 23:00:00	Bird (comment)	0	0			
CAM03	Discovery	2025-06-21 23:29:59	Bird (comment)	4	0	Walking	Sandhill crane	
CAM30	Mine Site	2025-06-21 23:29:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 00:00:02	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 00:29:59	Bird (comment)	0	0			
CAM17	Mine Site	2025-06-22 00:52:37	Bird (comment)	1	0	Flying	Sandhill crane	
CAM30	Mine Site	2025-06-22 01:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 01:30:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 02:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 02:30:00	Bird (comment)	0	0			
CAM34	Mine Site	2025-06-22 02:59:59	Bird (comment)	1	0	Standing	Sandhill crane	
CAM30	Mine Site	2025-06-22 03:00:00	Bird (comment)	0	0			
CAM38	Mine Site	2025-06-22 03:29:59	Bird (comment)	1	0	Walking	Tundra swan	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM30	Mine Site	2025-06-22 03:30:00	Bird (comment)	0	0			
CAM38	Mine Site	2025-06-22 03:59:59	Bird (comment)	2	0	Walking	Tundra swan	
CAM30	Mine Site	2025-06-22 04:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 04:29:59	Bird (comment)	0	0			
CAM38	Mine Site	2025-06-22 04:29:59	Bird (comment)	2	0	Walking	Tundra swan	
CAM30	Mine Site	2025-06-22 05:00:00	Bird (comment)	0	0			
CAM38	Mine Site	2025-06-22 05:00:00	Bird (comment)	1	0	Walking	Tundra swan	
CAM30	Mine Site	2025-06-22 05:29:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 05:59:59	Bird (comment)	0	0			
CAM38	Mine Site	2025-06-22 05:59:59	Bird (comment)	2	0	Walking	Tundra swan, swimming	
CAM30	Mine Site	2025-06-22 06:29:59	Bird (comment)	0	0			
CAM38	Mine Site	2025-06-22 06:29:59	Bird (comment)	1	0	Walking	Tundra swan	
CAM30	Mine Site	2025-06-22 06:59:59	Bird (comment)	0	0			
CAM38	Mine Site	2025-06-22 06:59:59	Bird (comment)	2	0	Walking	Tundra swan	
CAM38	Mine Site	2025-06-22 07:29:59	Bird (comment)	2	0	Walking	Tundra swan	
CAM30	Mine Site	2025-06-22 07:30:00	Bird (comment)	0	0			
CAM38	Mine Site	2025-06-22 07:59:59	Bird (comment)	1	0	Walking	Tundra swan	
CAM30	Mine Site	2025-06-22 08:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 08:29:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 08:59:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 09:30:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 10:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 10:30:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 10:59:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 11:30:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 12:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 12:29:59	Bird (comment)	0	0			
CAM04	Discovery	2025-06-22 12:59:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM30	Mine Site	2025-06-22 13:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 13:30:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 14:00:00	Bird (comment)	0	0			
CAM39	Mine Site	2025-06-22 14:00:00	Bird (comment)	1	0	Resting	Loon, swimming	
CAM30	Mine Site	2025-06-22 14:29:59	Bird (comment)	0	0			

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM30	Mine Site	2025-06-22 15:00:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 15:30:00	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 15:59:59	Bird (comment)	0	0			
CAM30	Mine Site	2025-06-22 16:29:59	Bird (comment)	1	0	Flying	Gull	
CAM31	Mine Site	2025-06-22 16:59:59	Bird (comment)	1	0	Standing	Gull	
CAM31	Mine Site	2025-06-22 21:29:59	Bird (comment)	2	0	Flying	Gull	
CAM14	Discovery	2025-06-22 21:43:00	Bird (comment)	1	0	Flying	Feathers	
CAM39	Mine Site	2025-06-23 03:59:59	Bird (comment)	4	0	Feeding	Unknown goose	
CAM39	Mine Site	2025-06-23 04:29:59	Bird (comment)	1	0	Feeding	Unknown goose	
CAM39	Mine Site	2025-06-23 04:59:59	Bird (comment)	1	0	Feeding	Unknown goose	
CAM39	Mine Site	2025-06-23 05:29:59	Bird (comment)	6	0	Feeding	Unknown goose	
CAM30	Mine Site	2025-06-23 05:36:39	Bird (comment)	1	0	Walking	Sandhill crane	
CAM39	Mine Site	2025-06-23 05:59:59	Bird (comment)	7	0	Feeding	Unknown goose	
CAM12	Discovery	2025-06-23 06:59:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM30	Mine Site	2025-06-23 12:30:00	Bird (comment)	2	0	Standing	Canada goose	
CAM39	Mine Site	2025-06-23 13:29:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM08	Discovery	2025-06-23 13:30:00	Bird (comment)	1	0		Canada goose	
CAM08	Discovery	2025-06-23 13:59:59	Bird (comment)	1	0	Walking	Sandhill Crane	
CAM31	Mine Site	2025-06-23 15:30:00	Bird (comment)	1	0	Standing	Gull	
CAM31	Mine Site	2025-06-23 18:30:00	Bird (comment)	1	0	Feeding	Sandhill crane	
CAM12	Discovery	2025-06-23 19:30:00	Bird (comment)	15	0	Flying	Canada goose	
CAM07	Discovery	2025-06-24 06:29:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM07	Discovery	2025-06-24 08:29:59	Bird (comment)	2	0	Walking	Sandhill crane	
CAM31	Mine Site	2025-06-24 09:00:00	Bird (comment)	1	0	Standing	Canada Goose	
CAM34	Mine Site	2025-06-24 10:00:00	Bird (comment)	1	0	Standing	Canada goose	
CAM20	Mine Site	2025-06-24 11:37:55	Bird (comment)	1	0	Walking	Sandhill crane	
CAM31	Mine Site	2025-06-24 13:29:59	Bird (comment)	2	0	Standing	Canada goose	
CAM31	Mine Site	2025-06-24 13:59:59	Bird (comment)	4	0	Resting	Canada goose	
CAM31	Mine Site	2025-06-24 14:30:00	Bird (comment)	1	0	Standing	Canada Goose	
CAM31	Mine Site	2025-06-24 15:00:00	Bird (comment)	3	0	Walking	Canada Goose	
CAM20	Mine Site	2025-06-24 17:00:00	Bird (comment)	2	0	Walking	Canada goose	
CAM34	Mine Site	2025-06-24 17:29:59	Bird (comment)	19	0	Standing	Canada goose	
CAM20	Mine Site	2025-06-24 18:00:00	Bird (comment)	2	0	Walking	Canada goose	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM20	Mine Site	2025-06-24 18:29:59	Bird (comment)	3	0	Walking	Canada goose	
CAM39	Mine Site	2025-06-24 20:30:00	Bird (comment)	1	0	Standing	Unknown goose	
CAM17	Mine Site	2025-06-24 21:59:59	Bird (comment)	2	0	Standing	Canada Goose	
CAM39	Mine Site	2025-06-25 00:00:02	Bird (comment)	2	0	Feeding	Canada goose	
CAM09	Discovery	2025-06-25 03:59:59	Bird (comment)	2	0	Feeding	Sandhill crane	
CAM03	Discovery	2025-06-25 04:29:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM39	Mine Site	2025-06-25 06:29:59	Bird (comment)	1	0	Resting	Tundra swan	
CAM39	Mine Site	2025-06-25 06:59:59	Bird (comment)	5	0	Resting	Duck sp.	
CAM39	Mine Site	2025-06-25 07:29:59	Bird (comment)	2	0		Loon, swimming	
CAM39	Mine Site	2025-06-25 07:59:59	Bird (comment)	9	0	Resting	Canada goose	
CAM39	Mine Site	2025-06-25 08:29:59	Bird (comment)	5	0	Feeding	Canada goose	
CAM30	Mine Site	2025-06-25 08:59:59	Bird (comment)	1	0	Standing	Canada Goose	
CAM30	Mine Site	2025-06-25 09:30:00	Bird (comment)	1	0	Standing	Canada Goose	
CAM39	Mine Site	2025-06-25 10:29:59	Bird (comment)	5	0	Resting	Duck sp.	
CAM12	Discovery	2025-06-25 14:29:59	Bird (comment)	1	0	Walking	Sandhill Crane	
CAM34	Mine Site	2025-06-26 02:09:14	Bird (comment)	1	0	Standing	Gull	
CAM03	Discovery	2025-06-26 04:10:59	Bird (comment)	1	0	Flying	Feathers	
CAM20	Mine Site	2025-06-26 04:29:59	Bird (comment)	1	0	Feeding	Canada goose	
CAM03	Discovery	2025-06-26 05:45:55	Bird (comment)	1	0	Flying	Songbird	
CAM31	Mine Site	2025-06-26 08:01:55	Bird (comment)	1	0	Flying	Wing feathers	
CAM39	Mine Site	2025-06-26 09:30:00	Bird (comment)	1	0	Resting	Tundra swan, swimming	
CAM20	Mine Site	2025-06-26 13:00:00	Bird (comment)	3	0	Feeding	Canada goose	
CAM20	Mine Site	2025-06-26 14:59:59	Bird (comment)	7	0	Walking	Canada Goose	
CAM17	Mine Site	2025-06-26 17:53:45	Bird (comment)	1	0	Flying	Songbird	
CAM12	Discovery	2025-06-26 18:14:09	Bird (comment)	1	0	Flying	Gull	
CAM03	Discovery	2025-06-26 19:00:00	Bird (comment)	1	0	Standing	Sandhill crane	
CAM17	Mine Site	2025-06-26 19:29:14	Bird (comment)	1	0	Flying	Feathers	
CAM34	Mine Site	2025-06-26 20:30:00	Bird (comment)	4	0	Feeding	Canada goose	
CAM17	Mine Site	2025-06-26 21:29:59	Bird (comment)	1	0	Walking	Sandhill Crane	
CAM20	Mine Site	2025-06-27 02:30:00	Bird (comment)	1	0	Walking	Tundra swan	
CAM20	Mine Site	2025-06-27 03:00:00	Bird (comment)	1	0	Walking	Tundra swan	
CAM03	Discovery	2025-06-27 13:29:59	Bird (comment)	1	0	Standing	Unknown bird in the distance	
CAM12	Discovery	2025-06-27 16:29:59	Bird (comment)	1	0	Standing	Tundra Swan	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM34	Mine Site	2025-06-27 17:00:00	Bird (comment)	1	0	Standing	Canada goose	
CAM03	Discovery	2025-06-27 17:29:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM34	Mine Site	2025-06-27 17:30:00	Bird (comment)	4	0	Resting	Canada goose	
CAM34	Mine Site	2025-06-27 22:00:00	Bird (comment)	2	0	Resting	Canada goose	
CAM30	Mine Site	2025-06-28 06:29:59	Bird (comment)	1	0	Feeding	Tundra swan	
CAM39	Mine Site	2025-06-28 10:40:55	Bird (comment)	6	0	Walking	Canada goose, swimming	
CAM03	Discovery	2025-06-28 10:55:41	Bird (comment)	1	0	Walking	Sandhill crane	
CAM39	Mine Site	2025-06-28 14:00:42	Bird (comment)	1	0	Flying	Songbird	
CAM39	Mine Site	2025-06-28 16:54:27	Bird (comment)	1	0	Walking	Sandhill Crane	
CAM10	Discovery	2025-06-28 16:56:33	Bird (comment)	1	0	Flying	Feathers	
CAM14	Discovery	2025-06-28 18:30:00	Bird (comment)	1	0	Feeding	Tundra swan	
CAM05	Discovery	2025-06-28 21:47:16	Bird (comment)	1	0	Feeding	Sandhill Crane	
CAM09	Discovery	2025-06-28 22:02:50	Bird (comment)	1	0	Flying	Tundra swan	
CAM20	Mine Site	2025-06-29 00:21:54	Bird (comment)	1	0	Flying	Unknown goose	
CAM03	Discovery	2025-06-29 04:33:19	Bird (comment)	1	0	Inspecting camera	Feathers	
CAM30	Mine Site	2025-06-29 06:29:59	Bird (comment)	1	4	Resting	Canada goose	
CAM31	Mine Site	2025-06-29 09:59:59	Bird (comment)	1	0	Standing	Gull	
CAM10	Discovery	2025-06-29 12:07:17	Bird (comment)	1	0	Inspecting camera	Feathers	
CAM39	Mine Site	2025-06-29 12:30:00	Bird (comment)	2	0	Resting	Duck sp.	
CAM39	Mine Site	2025-06-29 14:29:59	Bird (comment)	2	0	Resting	Loon, swimming	
CAM08	Discovery	2025-06-29 15:29:59	Bird (comment)	4	0	Feeding	Canada Goose	
CAM05	Discovery	2025-06-29 23:11:54	Bird (comment)	1	0	Walking	Sandhill Crane	
CAM20	Mine Site	2025-06-30 07:29:59	Bird (comment)	2	0	Walking	Sandhill crane	
CAM20	Mine Site	2025-06-30 19:00:00	Bird (comment)	2	0	Standing	Sandhill crane	
CAM21	AWAR	2025-06-30 22:00:00	Bird (comment)	2	0	Walking	Sandhill crane	
CAM08	Discovery	2025-07-01 04:24:12	Bird (comment)	1	0	Flying	tail feathers	
CAM34	Mine Site	2025-07-01 05:56:39	Bird (comment)	2	0	Feeding	Canada Goose	
CAM10	Discovery	2025-07-01 10:29:59	Bird (comment)	1	0	Walking	Sandhill crane	
CAM03	Discovery	2025-07-01 14:59:59	Bird (comment)	2	0	Walking	Sandhill crane	
CAM20	Mine Site	2025-07-01 15:29:59	Bird (comment)	2	0	Standing	Sandhill crane	
CAM03	Discovery	2025-07-01 18:36:07	Bird (comment)	1	0	Flying	Tail feathers	
CAM14	Discovery	2025-07-02 08:00:00	Bird (comment)	2	0	Walking	Tundra swan	
CAM34	Mine Site	2025-07-02 08:30:00	Bird (comment)	1	0	Feeding	Canada goose	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM31	Mine Site	2025-07-02 15:59:49	Bird (comment)	3	0	Flying	Canada Goose	
CAM10	Discovery	2025-07-02 18:00:00	Bird (comment)	1	0	Walking	Sandhill crane	
CAM34	Mine Site	2025-07-03 06:30:00	Bird (comment)	1	3	Walking	Tundra swan	Female
CAM08	Discovery	2025-07-03 10:30:00	Bird (comment)	2	0	Walking	Sandhill crane	
CAM31	Mine Site	2025-07-03 10:30:00	Bird (comment)	2	0	Walking	Canada Goose	
CAM20	Mine Site	2025-07-03 14:00:00	Bird (comment)	1	0	Walking	Canada goose	
CAM39	Mine Site	2025-07-03 14:29:59	Bird (comment)	1	0	Standing	Tundra swan	
CAM21	AWAR	2025-07-03 19:00:00	Bird (comment)	1	0	Feeding	Sandhill Crane	
CAM34	Mine Site	2025-07-04 11:00:00	Bird (comment)	1	0	Feeding	Sandhill crane	
CAM17	Mine Site	2025-07-04 18:29:59	Bird (comment)	1	0	Walking	Tundra swan	
CAM21	AWAR	2025-07-04 22:59:59	Bird (comment)	2	0	Walking	Sandhill crane	
CAM17	Mine Site	2025-07-05 05:29:59	Bird (comment)	1	0	Standing	Sandhill crane	
CAM03	Discovery	2025-07-05 06:29:13	Bird (comment)	1	0	Flying	Songbird	
CAM17	Mine Site	2025-07-05 06:29:59	Bird (comment)	3	0	Walking	Canada Goose	
CAM38	Mine Site	2025-07-05 09:59:59	Bird (comment)	2	0	Resting	Tundra swan, swimming	
CAM13	Discovery	2025-07-05 10:30:00	Bird (comment)	1	0	Resting	Tundra swan, swimming	
CAM28	AWAR	2025-07-05 12:00:00	Bird (comment)	1	0	Flying	Gull	
CAM09	Discovery	2025-07-05 17:29:59	Bird (comment)	1	0	Feeding	Sandhill crane	
CAM20	Mine Site	2025-07-05 18:30:00	Bird (comment)	2	0	Standing	Unknown bird	
CAM39	Mine Site	2025-07-06 06:59:59	Bird (comment)	1	0	Standing	Tundra swan	
CAM14	Discovery	2025-07-07 04:30:00	Bird (comment)	2	0	Walking	Tundra swan	
CAM03	Discovery	2025-07-07 08:09:09	Bird (comment)	1	0	Flying	Tail feathers	
CAM03	Discovery	2025-07-07 16:59:59	Bird (comment)	2	0	Walking	Sandhill crane	
CAM13	Discovery	2025-07-08 06:17:56	Bird (comment)	1	0	Flying	Feathers	
CAM03	Discovery	2025-07-08 06:33:59	Bird (comment)	1	0	Flying	Feathers	
CAM07	Discovery	2025-07-08 15:30:00	Bird (comment)	2	0	Flying	Sandhill crane	
CAM14	Discovery	2025-07-08 16:30:00	Bird (comment)	2	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-08 17:00:00	Bird (comment)	2	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-08 17:30:00	Bird (comment)	2	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-09 20:29:59	Bird (comment)	2	0	Walking	Sandhill crane	
CAM14	Discovery	2025-07-10 09:59:59	Bird (comment)	1	0	Walking	Gull	
CAM05	Discovery	2025-07-10 12:00:00	Bird (comment)	3	0	Walking	Sandhill crane	
CAM03	Discovery	2025-07-11 08:30:00	Bird (comment)	2	0	Feeding	Sandhill crane	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM07	Discovery	2025-07-11 20:29:59	Bird (comment)	2	0	Resting	Tundra swan	
CAM08	Discovery	2025-07-12 09:59:59	Bird (comment)	1	1	Walking	Sandhill crane	
CAM04	Discovery	2025-07-12 19:50:54	Bird (comment)	1	0	Flying	Sandhill crane	
CAM14	Discovery	2025-07-12 20:30:00	Bird (comment)	2	0	Walking	Sandhill crane	
CAM04	Discovery	2025-07-12 21:30:00	Bird (comment)	6	0	Walking	Sandhill crane	
CAM04	Discovery	2025-07-12 22:35:03	Bird (comment)	1	0	Flying	Duck sp.	
CAM04	Discovery	2025-07-13 11:00:00	Bird (comment)	3	0	Walking	Sandhill Crane	
CAM04	Discovery	2025-07-13 11:29:59	Bird (comment)	2	0	Feeding	Sandhill crane	
CAM03	Discovery	2025-07-13 13:30:00	Bird (comment)	2	0	Walking	Sandhill Crane	
CAM03	Discovery	2025-07-13 14:29:59	Bird (comment)	1	0	Standing	Sandhill crane	
CAM14	Discovery	2025-07-13 15:30:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-13 16:00:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-13 16:30:00	Bird (comment)	4	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-13 17:00:00	Bird (comment)	5	0	Walking	Tundra swan	
CAM03	Discovery	2025-07-14 08:30:00	Bird (comment)	2	0	Feeding	Sandhill crane	
CAM14	Discovery	2025-07-14 08:30:00	Bird (comment)	2	0	Walking	Tundra swan	
CAM03	Discovery	2025-07-14 09:00:00	Bird (comment)	2	0	Feeding	Sandhill crane	
CAM05	Discovery	2025-07-14 09:30:00	Bird (comment)	6	0	Walking	Sandhill crane	
CAM03	Discovery	2025-07-14 10:00:00	Bird (comment)	1	0	Standing	Sandhill crane	
CAM07	Discovery	2025-07-14 17:29:59	Bird (comment)	2	0	Feeding	Sandhill crane	
CAM12	Discovery	2025-07-14 18:00:00	Bird (comment)	1	1	Feeding	Sandhill crane	
CAM08	Discovery	2025-07-14 18:29:59	Bird (comment)	3	0	Walking	Sandhill crane	
CAM14	Discovery	2025-07-15 09:30:00	Bird (comment)	1	0	Flying	White bird	
CAM12	Discovery	2025-07-15 13:30:00	Bird (comment)	1	0	Resting	Tundra swan	
CAM03	Discovery	2025-07-15 14:30:00	Bird (comment)	1	0	Walking	Sandhill crane	
CAM03	Discovery	2025-07-15 15:00:00	Bird (comment)	1	0	Walking	Sandhill Crane	
CAM04	Discovery	2025-07-16 06:29:59	Bird (comment)	6	0	Feeding	Sandhill crane	
CAM07	Discovery	2025-07-16 09:29:59	Bird (comment)	1	0	Feeding	Sandhill crane	
CAM08	Discovery	2025-07-16 20:52:48	Bird (comment)	1	1	Walking	Sandhill crane	
CAM14	Discovery	2025-07-17 22:30:00	Bird (comment)	5	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-17 23:00:00	Bird (comment)	5	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-17 23:29:59	Bird (comment)	4	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-18 04:00:00	Bird (comment)	1	0	Resting	Tundra swan	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM14	Discovery	2025-07-18 04:30:00	Bird (comment)	4	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-18 05:00:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-18 05:30:00	Bird (comment)	7	0	Walking	Tundra swan	
CAM04	Discovery	2025-07-18 06:00:00	Bird (comment)	1	0	Feeding	Sandhill Crane	
CAM14	Discovery	2025-07-18 06:00:00	Bird (comment)	5	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-18 06:30:00	Bird (comment)	8	0	Resting	Tundra swan, swimming	
CAM14	Discovery	2025-07-18 06:30:00	Bird (comment)	1	0	Walking	Sandhill crane	
CAM14	Discovery	2025-07-18 07:00:00	Bird (comment)	7	0	Walking	Tundra swan	
CAM03	Discovery	2025-07-18 07:30:00	Bird (comment)	2	0	Walking	Sandhill crane	
CAM14	Discovery	2025-07-18 07:30:00	Bird (comment)	6	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-18 08:00:00	Bird (comment)	7	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-18 08:30:00	Bird (comment)	6	0	Walking	Tundra swan, swimming	
CAM14	Discovery	2025-07-18 11:30:00	Bird (comment)	3	0	Feeding	Tundra swan	
CAM14	Discovery	2025-07-18 12:00:00	Bird (comment)	3	0	Feeding	Tundra swan	
CAM05	Discovery	2025-07-18 12:30:00	Bird (comment)	5	0	Walking	Sandhill crane	
CAM13	Discovery	2025-07-18 12:30:00	Bird (comment)	5	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-18 12:30:00	Bird (comment)	3	0	Feeding	Tundra swan	
CAM13	Discovery	2025-07-18 13:00:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-18 13:00:00	Bird (comment)	3	0	Feeding	Tundra swan	
CAM13	Discovery	2025-07-18 13:30:00	Bird (comment)	2	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-18 13:30:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-18 14:00:00	Bird (comment)	4	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-18 14:00:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-18 14:30:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-18 14:30:00	Bird (comment)	4	0	Walking	Tundra swan, swimming	
CAM13	Discovery	2025-07-18 15:00:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-18 15:00:00	Bird (comment)	3	0	Feeding	Tundra swan, swimming	
CAM14	Discovery	2025-07-18 15:30:00	Bird (comment)	6	0	Feeding	Tundra swan, swimming	
CAM14	Discovery	2025-07-18 16:00:00	Bird (comment)	10	0	Resting	Tundra swan, swimming	
CAM14	Discovery	2025-07-18 16:30:00	Bird (comment)	6	0	Resting	Tundra swan, swimming	
CAM14	Discovery	2025-07-18 18:00:00	Bird (comment)	3	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-18 19:30:00	Bird (comment)	2	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-19 05:30:00	Bird (comment)	3	0	Resting	Tundra swan	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM14	Discovery	2025-07-19 06:00:00	Bird (comment)	4	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-19 06:30:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-19 07:00:00	Bird (comment)	11	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-19 07:30:00	Bird (comment)	6	0	Resting	Tundra swan	
CAM12	Discovery	2025-07-19 11:19:11	Bird (comment)	1	0	Walking	Tundra Swan	
CAM13	Discovery	2025-07-19 11:30:00	Bird (comment)	4	0	Walking	Tundra swan, swimming	
CAM13	Discovery	2025-07-19 12:00:00	Bird (comment)	4	0	Walking	Tundra swan, swimming	
CAM07	Discovery	2025-07-19 12:06:20	Bird (comment)	1	0	Flying	tail feathers	
CAM13	Discovery	2025-07-19 12:30:00	Bird (comment)	10	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-19 13:00:00	Bird (comment)	5	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-19 13:30:00	Bird (comment)	5	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-19 14:30:00	Bird (comment)	1	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-19 15:30:00	Bird (comment)	5	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-19 16:00:00	Bird (comment)	4	0	Feeding	Tundra Swan	
CAM14	Discovery	2025-07-19 21:30:00	Bird (comment)	5	0	Feeding	Tundra Swan	
CAM14	Discovery	2025-07-19 22:00:00	Bird (comment)	9	0	Feeding	Tundra Swan	
CAM14	Discovery	2025-07-19 22:30:00	Bird (comment)	7	0	Feeding	Tundra Swan	
CAM14	Discovery	2025-07-19 22:59:59	Bird (comment)	2	0	Feeding	Tundra Swan	
CAM10	Discovery	2025-07-20 06:30:00	Bird (comment)	1	0	Feeding	Sandhill crane	
CAM13	Discovery	2025-07-20 07:30:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-20 08:00:00	Bird (comment)	1	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-20 08:00:00	Bird (comment)	8	0	Feeding	Tundra Swan	
CAM14	Discovery	2025-07-20 08:30:00	Bird (comment)	2	0	Feeding	Tundra Swan	
CAM14	Discovery	2025-07-20 09:00:00	Bird (comment)	7	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-20 09:30:00	Bird (comment)	6	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-20 10:00:00	Bird (comment)	2	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-20 12:00:00	Bird (comment)	2	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-20 13:00:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-20 13:30:00	Bird (comment)	5	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-20 14:00:00	Bird (comment)	5	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-20 14:30:00	Bird (comment)	1	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-20 15:30:00	Bird (comment)	4	0	Walking	Tundra swan	
CAM10	Discovery	2025-07-20 17:00:00	Bird (comment)	1	0	Walking	Sandhill Crane	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM13	Discovery	2025-07-20 17:00:00	Bird (comment)	3	0	Walking	Tundra swan, swimming	
CAM14	Discovery	2025-07-20 19:00:00	Bird (comment)	7	2	Resting	Tundra swan	
CAM13	Discovery	2025-07-21 08:00:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-21 08:30:00	Bird (comment)	6	0	Walking	Canada goose	
CAM14	Discovery	2025-07-21 09:30:00	Bird (comment)	6	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-21 10:00:00	Bird (comment)	3	0	Resting	Tundra swan	
CAM13	Discovery	2025-07-21 10:30:00	Bird (comment)	3	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-21 11:30:00	Bird (comment)	8	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-21 12:00:01	Bird (comment)	1	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-21 12:30:00	Bird (comment)	1	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-21 14:00:00	Bird (comment)	4	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-21 15:00:00	Bird (comment)	6	0	Resting	Duck sp.	
CAM13	Discovery	2025-07-21 15:30:00	Bird (comment)	6	0	Resting	Duck sp.	
CAM14	Discovery	2025-07-21 15:30:00	Bird (comment)	4	0	Resting	Tundra swan	
CAM13	Discovery	2025-07-21 16:00:00	Bird (comment)	6	0	Resting	Duck sp.	
CAM14	Discovery	2025-07-21 16:00:00	Bird (comment)	11	0	Resting	Tundra swan	
CAM13	Discovery	2025-07-21 16:30:00	Bird (comment)	1	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-21 16:30:00	Bird (comment)	10	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-21 17:00:00	Bird (comment)	6	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-21 17:30:00	Bird (comment)	6	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-21 18:00:00	Bird (comment)	7	0	Resting	Tundra swan	
CAM14	Discovery	2025-07-22 06:00:00	Bird (comment)	6	0	Resting	Tundra swan	
CAM13	Discovery	2025-07-22 09:00:00	Bird (comment)	5	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-22 09:30:00	Bird (comment)	14	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-22 10:00:00	Bird (comment)	14	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-22 10:00:00	Bird (comment)	4	0	Resting	Tundra swan	
CAM13	Discovery	2025-07-22 10:30:00	Bird (comment)	6	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-22 11:00:00	Bird (comment)	4	0	Walking	Tundra swan	
CAM13	Discovery	2025-07-22 11:30:00	Bird (comment)	8	0	Walking	Tundra swan	
CAM12	Discovery	2025-07-23 06:00:00	Bird (comment)	5	0	Feeding	Tundra swan	
CAM12	Discovery	2025-07-23 06:44:05	Bird (comment)	2	0	Standing	Tundra swan	
CAM12	Discovery	2025-07-23 06:44:25	Bird (comment)	2	0	Walking	Tundra Swan	
CAM08	Discovery	2025-07-23 07:54:11	Bird (comment)	1	0	Walking	Sandhill crane	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM10	Discovery	2025-07-24 11:00:00	Bird (comment)	3	0	Walking	Sandhill crane	
CAM09	Discovery	2025-07-24 12:30:00	Bird (comment)	2	0	Resting	Canada goose	
CAM03	Discovery	2025-07-24 15:00:00	Bird (comment)	2	0	Walking	Sandhill crane	
CAM03	Discovery	2025-07-24 17:00:00	Bird (comment)	2	0	Walking	Sandhill crane	
CAM07	Discovery	2025-07-24 21:00:00	Bird (comment)	2	0	Walking	Sandhill crane	
CAM07	Discovery	2025-07-25 05:29:59	Bird (comment)	2	0	Walking	Sandhill crane	
CAM14	Discovery	2025-07-26 07:30:00	Bird (comment)	1	0	Standing	Gull	
CAM14	Discovery	2025-07-26 16:00:00	Bird (comment)	9	0	Resting	Canada goose	
CAM14	Discovery	2025-07-26 16:30:00	Bird (comment)	9	0	Resting	Canada goose	
CAM14	Discovery	2025-07-26 17:00:00	Bird (comment)	9	0	Resting	Canada goose	
CAM14	Discovery	2025-07-26 17:30:00	Bird (comment)	9	0	Resting	Canada goose	
CAM14	Discovery	2025-07-26 18:00:00	Bird (comment)	9	0	Resting	Waterbirds	
CAM14	Discovery	2025-07-26 18:30:00	Bird (comment)	9	0	Resting	Waterbirds	
CAM14	Discovery	2025-07-26 19:00:00	Bird (comment)	9	0	Resting	Waterbirds	
CAM14	Discovery	2025-07-26 19:30:00	Bird (comment)	9	0	Resting	Waterbirds	
CAM14	Discovery	2025-07-26 20:00:00	Bird (comment)	9	0	Resting	Waterbirds	
CAM12	Discovery	2025-07-27 05:00:00	Bird (comment)	1	0	Walking	Tundra swan	
CAM12	Discovery	2025-07-27 06:00:00	Bird (comment)	2	0	Walking	Tundra swan	
CAM14	Discovery	2025-07-27 08:30:00	Bird (comment)	2	0	Walking	Canada goose	
CAM14	Discovery	2025-07-27 09:00:00	Bird (comment)	4	4	Walking	Waterbirds	
CAM13	Discovery	2025-07-27 09:30:00	Bird (comment)	2	0	Walking	Tundra swan	
CAM12	Discovery	2025-07-27 13:30:00	Bird (comment)	1	0	Walking	Sandhill Crane	
CAM03	Discovery	2025-07-27 18:30:00	Bird (comment)	1	0	Walking	Sandhill crane	
CAM14	Discovery	2025-07-28 09:30:00	Bird (comment)	1	0	Standing	Gull	
CAM05	Discovery	2025-07-28 12:30:00	Bird (comment)	1	0	Walking	Sandhill Crane	
CAM07	Discovery	2025-07-28 17:30:00	Bird (comment)	2	0	Walking	Sandhill Crane	
CAM03	Discovery	2025-07-29 07:00:00	Bird (comment)	1	0	Walking	Sandhill crane	
CAM05	Discovery	2025-07-29 17:30:00	Bird (comment)	1	0	Walking	Sandhill Crane	
CAM08	Discovery	2025-07-29 18:17:27	Bird (comment)	1	1	Walking	Sandhill crane	
CAM10	Discovery	2025-07-30 08:00:00	Bird (comment)	2	0	Walking	Sandhill crane	
CAM03	Discovery	2025-07-30 10:30:00	Bird (comment)	2	0	Walking	Sandhill crane	
CAM03	Discovery	2025-07-30 12:00:00	Bird (comment)	2	0	Walking	Sandhill crane	
CAM03	Discovery	2025-07-30 17:00:00	Bird (comment)	1	0	Walking	Sandhill crane	

APPENDIX A: DATA FROM WILDLIFE CAMERAS

Camera ID	Camera Location	Date and Time	Species	Number of Adults	Number of Juveniles	Behaviour	Comments	Sex
CAM03	Discovery	2025-07-30 17:30:00	Bird (comment)	1	0	Walking	Sandhill crane	
CAM10	Discovery	2025-06-24 23:30:01	Caribou	6	1	Feeding		Female
CAM09	Discovery	2025-06-24 23:43:04	Caribou	26	8	Running		Female
CAM09	Discovery	2025-06-25 21:30:00	Caribou	45	17	Walking		Female
CAM39	Mine Site	2025-06-25 22:11:24	Caribou	1	0	Walking	Unknown sex, only rump	
CAM10	Discovery	2025-06-26 12:29:59	Caribou	1	0	Walking		Male
CAM28	AWAR	2025-06-29 00:13:07	Caribou	43	12	Running		Female
CAM12	Discovery	2025-07-18 16:26:28	Caribou	1	1	Feeding	Cow and calf	Female
CAM17		2025-06-14 17:29:59	Small mammal	1	0	Standing	Arctic ground squirrel	
CAM29	Mine Site	2025-06-21 13:59:59	Small mammal	1	0	Feeding	Arctic ground squirrel	
CAM28	AWAR	2025-06-27 18:30:00	Small mammal	1	0	Resting	Arctic ground squirrel	
CAM28	AWAR	2025-06-27 19:00:00	Small mammal	1	0	Resting	Arctic ground squirrel	
CAM05	Discovery	2025-06-09 02:19:05	Unknown	1	0		Blurry	
CAM03	Discovery	2025-06-10 20:28:57	Unknown	1	0		Blurry brown in corner	
CAM39	Mine Site	2025-06-12 06:19:57	Unknown	1	0		Blurry	
CAM17	Mine Site	2025-06-17 01:59:59	Unknown	1	0	Walking	Bigger species on water, too far away to see what it is	
CAM10	Discovery	2025-06-17 10:29:59	Unknown	1	0	Walking	Blurry brown	
CAM09	Discovery	2025-06-20 07:36:49	Unknown	1	0		Blurry brown in corner	
CAM14	Discovery	2025-06-23 05:51:46	Unknown	1	0		Blurry	
CAM14	Discovery	2025-06-25 16:35:22	Unknown	1	0		Blurry	
CAM03	Discovery	2025-06-26 04:16:41	Unknown	1	0		Blurry	
CAM03	Discovery	2025-06-29 05:59:59	Unknown	1	0		Blurry brown over half camera	
CAM10	Discovery	2025-06-29 10:43:13	Unknown	1	0	Inspecting camera	Blurry	
CAM10	Discovery	2025-06-29 10:43:30	Unknown	1	0	Inspecting camera	Blurry	
CAM10	Discovery	2025-06-29 14:19:20	Unknown	1	0		Blurry	

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APPENDIX I

Caribou Observations and Advisory, 2025

Caribou Observations and Advisory, 2025

Date	Time of Survey	Road Closure in Effect (Y/N)	Estimated Number of Caribou per Herd	Alert Level	Closest Estimated Distance from Site/AWAR (m)	Location
13-Jun-25	6:00	No	-	Level 1	-	TSF
13-Jun-25	6:00	No	-	Level 1	-	WRSF1
13-Jun-25	6:00	No	-	Level 1	-	EXPLO
15-Jun-25	12:00	No	1,000	Level 1	10,000	TSF
15-Jun-25	12:00	No	-	Level 1	-	AWAR KM19
15-Jun-25	14:00	No	1,000	Level 1	9,500	TSF
15-Jun-25	18:00	No	-	Level 1	-	TSF
15-Jun-25	18:00	No	-	Level 1	-	AWAR KM10
16-Jun-25	6:00	No	-	Level 1	-	WRSF1
16-Jun-25	6:00	No	-	Level 1	-	TSF
16-Jun-25	6:00	No	-	Level 1	-	TSF
16-Jun-25	6:00	No	-	Level 1	-	AWAR KM10
16-Jun-25	12:00	No	-	Level 1	-	TSF
16-Jun-25	12:00	No	-	Level 1	-	TSF
16-Jun-25	12:00	No	-	Level 1	-	TSF
16-Jun-25	12:00	No	-	Level 1	-	TSF
16-Jun-25	12:00	No	-	Level 1	-	AWAR KM10
16-Jun-25	18:00	No	-	Level 1	-	AWAR KM10
17-Jun-25	6:00	No	-	Level 1	-	AWAR KM10
17-Jun-25	12:00	No	-	Level 1	-	AWAR KM4
17-Jun-25	18:00	No	-	Level 1	-	AWAR KM10
17-Jun-25	18:00	No	-	Level 1	-	TSF
18-Jun-25	12:00	No	80	Level 1	10,000	TSF
18-Jun-25	12:00	No	800	Level 1	8,000	TSF
18-Jun-25	12:00	No	8,000	Level 1	6,000	TSF
18-Jun-25	12:00	No	-	Level 1	-	AWAR KM13
18-Jun-25	18:00	No	2,000	Level 1	10,000	TSF
18-Jun-25	18:00	No	1,000	Level 1	10,000	TSF
19-Jun-25	6:00	No	1,000	Level 1	6,000	AWAR KM27
19-Jun-25	6:00	No	10,000	Level 1	2,000	TSF
19-Jun-25	6:00	No	5,000	Level 1	7,000	TSF
19-Jun-25	6:00	No	100	Level 1	7,000	TSF
19-Jun-25	6:00	No	100	Level 1	7,000	TSF
19-Jun-25	12:00	No	1,500	Level 3	5,000	TSF
19-Jun-25	12:00	No	1,000	Level 3	4,500	TSF
19-Jun-25	12:00	No	200	Level 3	5,000	TSF
19-Jun-25	12:00	No	500	Level 3	5,000	TSF
19-Jun-25	12:00	No	10,000	Level 3	8,000	TSF
19-Jun-25	18:00	Yes	2,000	Level 3	7,000	TSF
19-Jun-25	18:00	Yes	500	Level 3	9,000	TSF
19-Jun-25	18:00	Yes	500	Level 3	10,000	TSF
20-Jun-25	6:00	Yes	500	Level 3	4,800	WRSF3
20-Jun-25	12:00	Yes	50	Level 3	7,000	AWAR KM29
20-Jun-25	12:00	Yes	1,000	Level 3	3,000	AWAR KM29
20-Jun-25	12:00	No	500	Level 3	4,000	TSF
20-Jun-25	12:00	No	1,000	Level 3	5,000	TSF

Caribou Observations and Advisory, 2025

Date	Time of Survey	Road Closure in Effect (Y/N)	Estimated Number of Caribou per Herd	Alert Level	Closest Estimated Distance from Site/AWAR (m)	Location
20-Jun-25	12:00	No	10,000	Level 3	10,000	TSF
20-Jun-25	12:00	No	3,500	Level 3	4,000	WRSF3
20-Jun-25	18:00	Yes	10,000	Level 3	5,000	WRSF3
20-Jun-25	18:00	Yes	300	Level 3	7,000	AWAR KM28
20-Jun-25	18:00	Yes	1,000	Level 3	6,000	AWAR KM28
20-Jun-25	18:00	No	200	Level 3	4,000	TSF
20-Jun-25	18:00	No	500	Level 3	4,000	TSF
20-Jun-25	18:00	Yes	500	Level 3	10,000	TSF
21-Jun-25	6:00	Yes	2,500	Level 3	4,800	WRSF3
21-Jun-25	6:00	Yes	1,000	Level 3	6,000	WRSF3
21-Jun-25	6:00	No	10,000	Level 3	5,000	TSF
21-Jun-25	6:00	No	500	Level 3	5,000	TSF
21-Jun-25	12:00	Yes	10,000	Level 3	5,000	WRSF3
21-Jun-25	12:00	Yes	500	Level 3	4,000	TSF
21-Jun-25	12:00	No	10,000	Level 3	4,000	TSF
21-Jun-25	12:00	Yes	1,000	Level 3	2,000	AWAR KM29
21-Jun-25	18:00	No	6,000	Level 3	4,000	WRSF3
21-Jun-25	18:00	No	300	Level 3	4,000	TSF
21-Jun-25	18:00	Yes	200	Level 3	1,500	TSF
21-Jun-25	18:00	No	1,500	Level 3	2,000	AWAR KM29
22-Jun-25	6:00	Yes	75	Level 3	4,500	WRSF3
22-Jun-25	6:00	Yes	2,000	Level 3	7,500	AWAR KM27
22-Jun-25	6:00	Yes	1,000	Level 3	7,000	AWAR KM27
22-Jun-25	6:00	Yes	400	Level 3	7,500	AWAR KM25
22-Jun-25	6:00	No	200	Level 3	5,000	TSF
22-Jun-25	6:00	No	300	Level 3	4,000	TSF
22-Jun-25	6:00	Yes	6,000	Level 3	9,000	AWAR KM19
22-Jun-25	6:00	No	1,000	Level 3	7,000	WRSF3
22-Jun-25	12:00	Yes	100	Level 3	3,000	AWAR KM30
22-Jun-25	12:00	Yes	100	Level 3	7,000	AWAR KM24
22-Jun-25	12:00	No	5,000	Level 3	9,000	AWAR KM20
22-Jun-25	12:00	Yes	400	Level 3	5,000	WRSF3
22-Jun-25	12:00	No	600	Level 3	4,000	WRSF3
22-Jun-25	12:00	Yes	1,000	Level 3	9,000	WRSF3
22-Jun-25	12:00	Yes	1,200	Level 3	9,000	TSF
22-Jun-25	12:00	Yes	300	Level 3	10,000	TSF
22-Jun-25	12:00	Yes	400	Level 3	4,500	TSF
22-Jun-25	12:00	No	200	Level 3	4,000	TSF
22-Jun-25	12:00	No	200	Level 3	5,000	TSF
22-Jun-25	18:00	No	200	Level 3	7,000	AWAR KM20
22-Jun-25	18:00	No	400	Level 3	4,000	WRSF3
22-Jun-25	18:00	Yes	50	Level 3	7,000	AWAR KM20
22-Jun-25	18:00	No	1,500	Level 3	10,000	AWAR KM20
22-Jun-25	18:00	No	200	Level 3	3,500	WEATHER STATION
22-Jun-25	18:00	No	200	Level 3	6,000	TSF
23-Jun-25	6:00	Yes	100	Level 3	5,500	WRSF3

Caribou Observations and Advisory, 2025

Date	Time of Survey	Road Closure in Effect (Y/N)	Estimated Number of Caribou per Herd	Alert Level	Closest Estimated Distance from Site/AWAR (m)	Location
23-Jun-25	6:00	Yes	1,000	Level 3	8,000	AWAR KM27
23-Jun-25	6:00	Yes	2,500	Level 3	8,000	AWAR KM20
23-Jun-25	6:00	No	200	Level 3	8,000	TSF
23-Jun-25	6:00	Yes	100	Level 3	5,000	TSF
23-Jun-25	12:00	No	50	Level 3	4,000	AWAR KM29
23-Jun-25	12:00	No	350	Level 3	9,000	AWAR KM20
23-Jun-25	12:00	Yes	100	Level 3	6,000	WRSF3
23-Jun-25	12:00	Yes	120	Level 3	5,000	WRSF3
23-Jun-25	12:00	Yes	200	Level 3	6,500	WRSF3
23-Jun-25	12:00	No	200	Level 3	5,000	WEATHER STATION
23-Jun-25	12:00	Yes	800	Level 3	7,500	TSF
23-Jun-25	12:00	No	50	Level 3	6,000	TSF
23-Jun-25	18:00	No	400	Level 3	5,000	WRSF3
23-Jun-25	18:00	No	200	Level 3	7,000	WRSF3
23-Jun-25	18:00	No	100	Level 3	2,000	AWAR KM29
23-Jun-25	18:00	No	50	Level 3	3,000	AWAR KM29
24-Jun-25	6:00	Yes	500	Level 3	10,000	AWAR KM27
24-Jun-25	6:00	Yes	150	Level 3	10,000	AWAR KM20
24-Jun-25	6:00	Yes	50	Level 3	11,000	AWAR KM12
24-Jun-25	6:00	No	100	Level 3	7,000	TSF
24-Jun-25	6:00	No	50	Level 3	7,000	TSF
24-Jun-25	6:00	No	1,000	Level 3	8,000	TSF
24-Jun-25	6:00	No	50	Level 3	6,000	TSF
24-Jun-25	6:00	No	100	Level 3	5,000	TSF
24-Jun-25	6:00	No	100	Level 3	8,000	WRSF3
24-Jun-25	12:00	No	100	Level 3	3,000	AWAR KM29
24-Jun-25	12:00	No	150	Level 3	4,000	AWAR KM29
24-Jun-25	12:00	No	250	Level 3	6,000	AWAR KM25
24-Jun-25	12:00	No	200	Level 3	4,000	TSF
24-Jun-25	12:00	No	1,000	Level 3	4,000	TSF
24-Jun-25	12:00	No	100	Level 3	3,000	TSF
24-Jun-25	12:00	No	3,000	Level 3	8,000	TSF
24-Jun-25	12:00	No	50	Level 3	7,000	AWAR KM20
24-Jun-25	12:00	No	50	Level 3	6,000	TSF
24-Jun-25	18:00	No	1,000	Level 3	6,000	AWAR KM29
24-Jun-25	18:00	No	40	Level 3	7,000	WRSF1
24-Jun-25	18:00	No	3,000	Level 3	8,000	WRSF1
24-Jun-25	18:00	No	500	Level 3	5,000	WRSF1
24-Jun-25	18:00	No	200	Level 3	4,500	WRSF1
24-Jun-25	18:00	No	500	Level 3	7,000	WRSF1
24-Jun-25	18:00	No	200	Level 3	5,000	WRSF1
25-Jun-25	6:00	Yes	1,000	Level 3	4,000	WRSF3
25-Jun-25	6:00	Yes	50	Level 3	5,500	AWAR KM24
25-Jun-25	6:00	No	100	Level 3	6,000	WRSF3
25-Jun-25	6:00	No	300	Level 3	5,000	TSF
25-Jun-25	6:00	No	300	Level 3	7,000	TSF

Date	Time of Survey	Road Closure in Effect (Y/N)	Estimated Number of Caribou per Herd	Alert Level	Closest Estimated Distance from Site/AWAR (m)	Location
25-Jun-25	6:00	No	700	Level 3	7,000	TSF
25-Jun-25	12:00	No	300	Level 3	3,000	AWAR KM20
25-Jun-25	12:00	No	500	Level 3	7,000	AWAR KM25
25-Jun-25	12:00	No	100	Level 3	2,000	AWAR KM11
25-Jun-25	12:00	Yes	350	Level 3	3,000	WRSF3
25-Jun-25	12:00	No	250	Level 3	3,000	TSF
25-Jun-25	12:00	No	100	Level 3	3,000	TSF
25-Jun-25	18:00	No	100	Level 3	6,000	AWAR KM25
25-Jun-25	18:00	No	20	Level 3	5,000	AWAR KM25
25-Jun-25	18:00	No	300	Level 3	3,000	AWAR KM20
25-Jun-25	18:00	No	200	Level 3	5,000	CAMP
25-Jun-25	18:00	No	300	Level 3	4,000	CAMP
26-Jun-25	6:00	Yes	25	Level 3	1,500	AWAR KM14
26-Jun-25	6:00	No	500	Level 3	9,000	TSF
26-Jun-25	12:00	Yes	200	Level 3	5,417	AWAR KM25
26-Jun-25	12:00	No	100	Level 3	4,000	WRSF1
26-Jun-25	18:00	No	300	Level 3	4,800	AWAR KM30
26-Jun-25	18:00	Yes	150	Level 3	3,500	AWAR KM29
26-Jun-25	18:00	No	100	Level 3	4,000	WRSF1
26-Jun-25	18:00	No	300	Level 3	7,000	WRSF3
27-Jun-25	6:00	Yes	7	Level 3	2,000	AWAR KM7
27-Jun-25	12:00	Yes	500	Level 3	5,000	AWAR KM12
27-Jun-25	18:00	No	-	Level 3	-	WRSF3
27-Jun-25	18:00	Yes	250	Level 3	5,000	AWAR KM12
27-Jun-25	18:00	No	-	Level 3	-	WRSF1
28-Jun-25	6:00	Yes	150	Level 3	4,500	AWAR KM24
28-Jun-25	12:00	Yes	100	Level 3	5,150	AWAR KM21
28-Jun-25	12:00	Yes	50	Level 3	3,962	AWAR KM20
28-Jun-25	12:00	No	-	Level 3	-	TSF
28-Jun-25	18:00	Yes	50	Level 3	2,198	AWAR KM4
28-Jun-25	18:00	No	-	Level 3	-	TSF
28-Jun-25	18:00	Yes	30	Level 3	1,612	AWAR KM10
28-Jun-25	18:00	No	300	Level 3	8,000	WRSF3
29-Jun-25	6:00	Yes	1	Level 3	800	AWAR KM8
29-Jun-25	12:00	No	-	Level 2	-	RIBR KM5
29-Jun-25	12:00	No	-	Level 2	-	TSF
29-Jun-25	18:00	No	-	Level 2	-	AWAR KM7
29-Jun-25	18:00	No	-	Level 2	-	WRSF1
30-Jun-25	6:00	No	-	Level 2	-	TSF
30-Jun-25	12:00	No	-	Level 2	-	RIBR KM5
30-Jun-25	12:00	No	-	Level 2	-	TSF
30-Jun-25	18:00	No	-	Level 2	-	RIBR KM5
30-Jun-25	18:00	No	-	Level 2	-	WRSF1
1-Jul-25	6:00	No	-	Level 2	-	TSF
1-Jul-25	12:00	No	-	Level 2	-	RIBR KM5
1-Jul-25	12:00	No	-	Level 2	-	TSF

Date	Time of Survey	Road Closure in Effect (Y/N)	Estimated Number of Caribou per Herd	Alert Level	Closest Estimated Distance from Site/AWAR (m)	Location
1-Jul-25	18:00	No	-	Level 2	-	RIBR KM5
1-Jul-25	18:00	No	-	Level 2	-	TSF
2-Jul-25	6:00	No	-	Level 2	-	TSF
2-Jul-25	12:00	No	-	Level 2	-	RIBR KM3
2-Jul-25	12:00	No	-	Level 2	-	TSF
2-Jul-25	18:00	No	-	Level 2	-	RIBR KM5
2-Jul-25	18:00	No	-	Level 2	-	TSF
2-Jul-25	18:00	No	-	Level 2	-	WRSF1
3-Jul-25	6:00	No	-	Level 2	-	WRSF1
3-Jul-25	12:00	No	-	Level 2	-	RIBR KM5
3-Jul-25	18:00	No	-	Level 2	-	TSF
3-Jul-25	18:00	No	-	Level 2	-	RIBR KM5
3-Jul-25	18:00	No	-	Level 2	-	WRSF1
4-Jul-25	6:00	No	-	Level 2	-	TSF
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM30
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM29
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM26
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM22
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM24
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM20
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM19
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM16
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM17
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM13
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM14
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM11
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM27
4-Jul-25	12:00	No	-	Level 2	-	AWAR KM5
4-Jul-25	18:00	No	-	Level 2	-	RIBR KM5
4-Jul-25	18:00	No	-	Level 2	-	TSF
5-Jul-25	6:00	No	-	Level 2	-	TSF
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM30
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM27
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM26
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM25
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM20
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM23
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM19
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM16
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM13
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5-Jul-25	12:00	No	-	Level 2	-	AWAR KM12
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM7
5-Jul-25	12:00	No	-	Level 2	-	AWAR KM8
5-Jul-25	12:00	No	-	Level 2	-	TSF
5-Jul-25	18:00	No	-	Level 2	-	AWAR KM16

Date	Time of Survey	Road Closure in Effect (Y/N)	Estimated Number of Caribou per Herd	Alert Level	Closest Estimated Distance from Site/AWAR (m)	Location
6-Jul-25	6:00	No	-	Level 2	-	TSF
6-Jul-25	12:00	No	-	Level 2	-	RIBR KM5
6-Jul-25	12:00	No	-	Level 2	-	TSF
6-Jul-25	18:00	No	-	Level 2	-	RIBR KM5
6-Jul-25	18:00	No	-	Level 2	-	TSF
7-Jul-25	6:00	No	-	Level 2	-	TSF
7-Jul-25	12:00	No	-	Level 2	-	RIBR KM5
7-Jul-25	12:00	No	-	Level 2	-	TSF
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM30
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM29
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM28
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM27
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM26
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM25
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM24
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM23
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM22
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM21
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM20
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM18
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM17
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM15
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM14
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM13
7-Jul-25	18:00	No	-	Level 2	-	AWAR KM12
7-Jul-25	18:00	No	-	Level 2	-	Itivia
7-Jul-25	18:00	No	-	Level 2	-	TSF
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM30
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM30
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM28
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM27
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM25
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM24
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM22
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM20
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM18
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM16
8-Jul-25	12:00	No	-	Level 1	-	AWAR KM12
8-Jul-25	12:00	No	-	Level 1	-	Itivia
8-Jul-25	12:00	No	-	Level 1	-	TSF
8-Jul-25	18:00	No	-	Level 1	-	RIBR KM4
8-Jul-25	18:00	No	-	Level 1	-	AWAR KM6
8-Jul-25	18:00	No	-	Level 1	-	AWAR KM13
8-Jul-25	18:00	No	-	Level 1	-	AWAR KM19
8-Jul-25	18:00	No	-	Level 1	-	AWAR KM22
8-Jul-25	18:00	No	-	Level 1	-	AWAR KM25

Caribou Observations and Advisory, 2025

Date	Time of Survey	Road Closure in Effect (Y/N)	Estimated Number of Caribou per Herd	Alert Level	Closest Estimated Distance from Site/AWAR (m)	Location
8-Jul-25	18:00	No	-	Level 1	-	EXPLO
9-Jul-25	6:00	No	-	Level 1	-	WRSF1
9-Jul-25	6:00	No	-	Level 1	-	TSF
9-Jul-25	18:00	No	-	Level 1	-	AWAR KM14
9-Jul-25	18:00	No	-	Level 1	-	AWAR KM16
9-Jul-25	18:00	No	-	Level 1	-	AWAR KM21
9-Jul-25	18:00	No	-	Level 1	-	WRSF1
9-Jul-25	18:00	No	-	Level 1	-	WEATHER STATION
9-Jul-25	18:00	No	-	Level 1	-	TSF
10-Jul-25	6:00	No	-	Level 1	-	TSF
10-Jul-25	6:00	No	-	Level 1	-	WRSF1
10-Jul-25	6:00	No	-	Level 1	-	AWAR KM27
10-Jul-25	6:00	No	-	Level 1	-	AWAR KM21
10-Jul-25	6:00	No	-	Level 1	-	AWAR KM16
10-Jul-25	6:00	No	-	Level 1	-	AWAR KM8
10-Jul-25	18:00	No	2	Level 1	2,000	AWAR KM12
11-Jul-25	9:00	No	-	Level 1	-	TSF
12-Jul-25	9:00	No	-	Level 1	-	TSF

APPENDIX J

2025 Calving Range

TECHNICAL MEMORANDUM

DATE February 19, 2026 **Project No.** CA0060980.7566-TM-Rev0

TO Sara Savoie
Agnico Eagle Mines Limited

FROM Meghan Beale and Dan Coulton **EMAIL meghan.beale@wsp.com**

QAMANIRJUAQ CARIBOU 2025 CALVING RANGES

1 BACKGROUND

In 2024, the Terrestrial Advisory Group (TAG) requested that Agnico Eagle Mines Limited (Agnico Eagle) present Qamanirjuaq (QAM) caribou calving range maps based on caribou telemetry as part of the Terrestrial Environment Management and Monitoring Plan (TEMMP) annual report. Specifically, the Kivalliq Inuit Association (KivIA) requested that 50%, 80%, and 95% kernel density contours of the calving range be mapped. This technical memorandum summarizes the development of these 2025 calving range kernel density maps.

2 METHODS

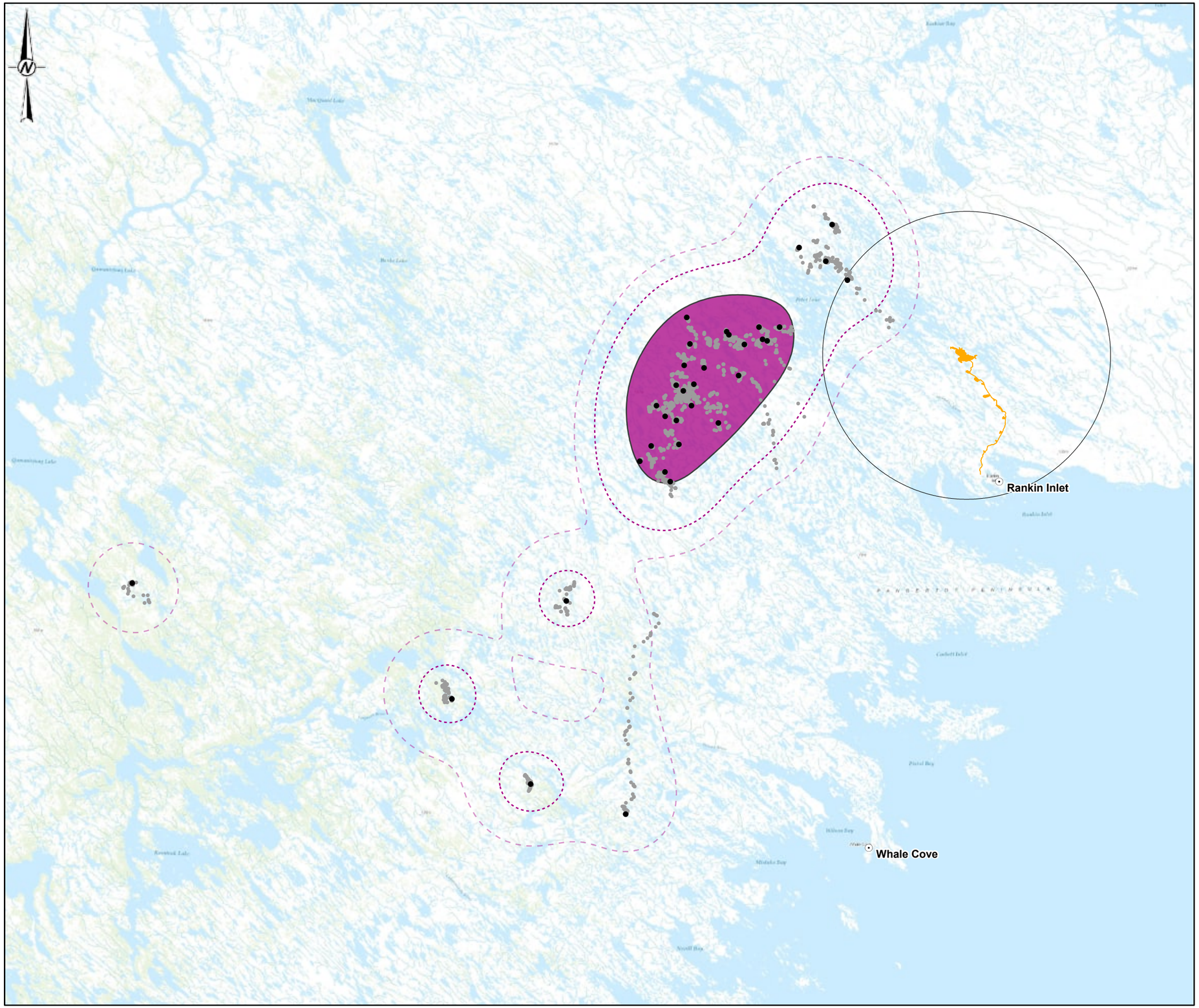
Qamanirjuaq caribou telemetry data were provided by the Government of Nunavut. Telemetry data were first constrained to those collected from the QAM herd in 2025, then resampled with the *amt* package (Signer et al. 2019) in *R* (R Core Team 2023), which cleans the telemetry data such that only one relocation is available per fix interval (i.e., two-hour period) and removes any duplicate locations. Movement trajectories for each QAM caribou were visualized to screen for potential mortality events; no mortality events were identified. The 'Individual-Based Method', or IBM, was applied to predict calving dates for QAM females in 2025 (DeMars et al. 2013; Cameron et al. 2018). Consistent with Cameron et al. (2018), caribou movements from 19 May to 15 July 2025 were used for estimating an IBM model for each caribou. Two sets of model parameter constraints were stipulated when executing the IBM. First, an *int* = 3 days, minimum *kcon* = 5 days, and maximum *kcon* = 21 days were applied. Finally, Akaike's Information Criterion (AIC; Burnham and Anderson 2002) values for each fitted IBM model were used to determine which caribou calved in 2025.

Calving ranges for 2025 were developed using the 'Post-Calving Movement Method', which estimates calving ranges using predicted calving sites and telemetry locations from cows with calf-at-heel for 6.25 days, post-calving (WSP 2024). Using the *adehabitatHR* (Calenge 2006) package in *R* (R Core Team 2023) and a smoothing parameter of 7,043 m, a kernel density estimate (KDE) was developed. The 7,043 m smoothing parameter was selected to align with previous methods (WSP 2024). Three utilization distributions (i.e., 50%, 80%, and 95%, as recommended by the TAG) were calculated and mapped for each KDE.

3 RESULTS

Telemetry data were collected from 37 female caribou between 19 May and 15 July 2025, and an IBM was estimated for each of these 37 caribou. Of the 37 caribou, 35 (95%) had calves, and 2 (5%) did not have calves. All 35 calving events were used to inform the 95%, 80%, and 50% utilization distribution (UD) calving ranges for 2025 (Figure 1).

Most 2025 QAM calving events occurred west of Peter Lake (Figure 1). The 50% UD for the 2025 calving range was further west than the 50% calving ranges from 2023 and 2024, overlapping with the northwestern half of the 2024 range (Figure 2). The 2025 calving range remained south of the calving ranges from 2017 to 2023 (Figure 2). The 50% UD calving range for 2025 did not overlap the Mine Regional Study Area (RSA) and all but one calving event occurred outside the Mine RSA (Figure 1). The one 2025 calving event that occurred in the RSA occurred 23.9 km from the nearest Mine feature.



LEGEND

- 2025 CALVING LOCATION
- 2025 TELEMETRY LOCATIONS FROM COWS WITH CALF-AT-HEEL
- COMMUNITY
- MELIADINE DEVELOPED PROJECT FOOTPRINT
- MELIADINE REGIONAL STUDY AREA
- 2025 CALVING RANGE - POST-CALVING MOVEMENT METHOD - 95%
- 2025 CALVING RANGE - POST-CALVING MOVEMENT METHOD - 80%
- 2025 CALVING RANGE - POST-CALVING MOVEMENT METHOD - 50%



0 15 30

1:750,000 KILOMETRES

REFERENCE(S)

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COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT

AGNICO EAGLE MINES LIMITED

PROJECT

MELIADINE GOLD PROJECT
NUNAVUT

TITLE

QAMANIRJUAQ CARIBOU CALVING RANGES FOR 2025

CONSULTANT

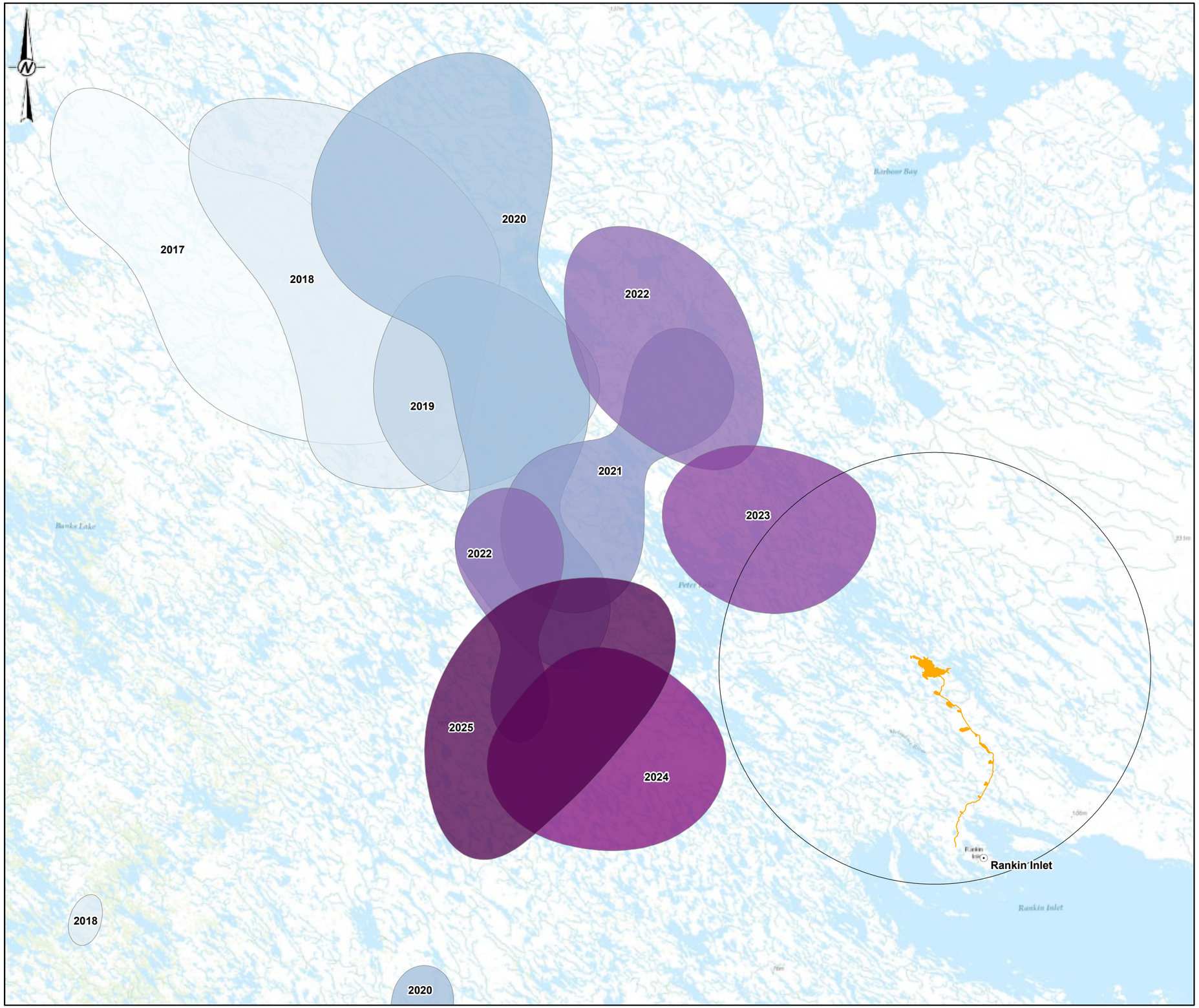
YYYY-MM-DD	2026-02-19
DESIGNED	JVE
PREPARED	CDB
REVIEWED	MB
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
CA0060980.7566	3300	0	1

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

0 25mm

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LEGEND

- COMMUNITY
- MELIADINE DEVELOPED PROJECT FOOTPRINT
- MELIADINE REGIONAL STUDY AREA
- 2025 CALVING RANGE
- 2024 CALVING RANGE
- 2023 CALVING RANGE
- 2022 CALVING RANGE
- 2021 CALVING RANGE
- 2020 CALVING RANGE
- 2019 CALVING RANGE
- 2018 CALVING RANGE
- 2017 CALVING RANGE



0 10 20
1:500,000 KILOMETRES

REFERENCE(S)
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COORDINATE SYSTEM: NAD 1983 UTM ZONE 15N

CLIENT
AGNICO EAGLE MINES LIMITED

PROJECT
MELIADINE GOLD PROJECT
NUNAVUT

TITLE
QAMANIRJUAQ CARIBOU CALVING RANGES 2017 TO 2025 (50% KERNEL DENSITY ESTIMATES)

CONSULTANT

YYYY-MM-DD	2026-02-19
DESIGNED	JVE
PREPARED	CDB
REVIEWED	MB
APPROVED	DC

PROJECT NO.	CONTROL	REV.	FIGURE
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4 CONCLUSIONS

Spatial analysis of telemetry data from 37 female QAM caribou from 2025 suggests a westward movement of the herd's calving range compared to 2023 and 2024 calving ranges. The 50% UD of the QAM herd calving range did not overlap with the Mine RSA and remained west of Peter Lake. An IBM model using the telemetry data predicted a high calving rate (95%) among the individuals studied in 2025 compared to 2024 (86%).

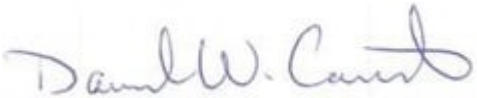
5 CLOSURE

We trust the above meets your present requirements. If you have any questions, please contact the undersigned.

WSP Canada Inc.



Meghan Beale, MSc, RPBio
Lead, Wildlife Ecologist



Dan Coulton, PhD, RPBio
Principal, Wildlife Biologist



Josiah Van Egmond, B.Sc.
Associate Wildlife Biologist

DC/MB/ef

https://wsponlinecan.sharepoint.com/sites/ca-2024ca347566/shared documents/05. technical/09_ 2025 calving range tm/rev0/ca0060980.7566_tm_final_2025_calving_ranges_20260219.docx

6 LITERATURE CITED

Burnham KP, Anderson DR. 2002. Model Selection and Multi-model inference: a Practical information-theoretic approach. Springer-Verlag. New York, NY, USA

Calenge, C. 2006. The package adehabitat for the R software: A tool for the analysis of space and habitat use by animals. Ecological Modelling 97: 516-519

Cameron MD, Joly L, Breed GA, Parrett LS, Kielland K. 2018. Movement-based methods to infer parturition events in migratory ungulates. Canadian Journal of Zoology 96(11):1187-95

DeMars CA, Auger-Méthé M, Schlägel UE, Boutin S. 2013. Inferring parturition and neonate survival from movement patterns of female ungulates: a case study using woodland caribou. Ecology and Evolution 3(12):4149-60

R Core Team. 2023. R: A language and environment for statistical computing. R foundation for Statistical Computing, Vienna, Austria. URL https://www.R-project.org/

Signer J, Fieberg J, Avgar T. 2019. Animal movement tools (amt): R package for managing tracking data and conducting habitat selection analyses. Ecology and Evolution 9:880-890

WSP (WSP Canada Inc.). 2024. 2023 Calving Range Maps. Prepared for Agnico Eagle Mines Limited by WSP Canada Inc. Edmonton, AB

WSP. 2025. 2024 Calving Range. Prepared for Agnico Eagle Mines Limited by WSP Canada Inc. Edmonton, AB

APPENDIX K

Hunter Harvest Study, 2025



MELIADINE MINE

FINAL REPORT

2025 HUNTER HARVEST STUDY AND CREEL SURVEY SUMMARY REPORT

Prepared By: Nunavut Environmental Consulting Ltd.

Prepared For: Agnico Eagle Mines ltd.

12 MARCH 2026

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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

EXECUTIVE SUMMARY

A Rankin Inlet Hunter Harvest Study (HHS) was initiated by Agnico Eagle Mines Ltd. (Agnico Eagle), in conjunction with the Kangiqliniq Hunters and Trappers Organization (KHTO), in 2020 and continued through 2025. The 2025 study included 69 participants, of which 62 reported harvests of wildlife or fish. Of these 62 participants, 49 reported harvesting Caribou (*Rangifer tarandus*). Most guide outfitters operating out of the community of Rankin Inlet continued as participants in 2025 and reported harvest data. The number of participants in 2025 (i.e., 69) was higher than the 61, 56, and 44 participants in 2024, 2023, and 2022, respectively, and the highest in the HHS to date.

Given an estimated 300 to 350 regular active hunters in the community of Rankin Inlet, the 49 hunters reporting Caribou harvest in 2025 represent from 14 to 16% of active hunters in the community. With a total reported Caribou harvest of 622 animals in 2025, the total estimated number of Caribou harvested in 2025 was between 3,888 and 4,443 animals, which is lower than estimates in 2024 (i.e., 5,064 to 5,908 animals) and 2022 (i.e., 5,470 to 6,077 animals), and comparable to estimates in 2023 (i.e., 4,025 to 4,390 animals). These estimates are likely very conservative (i.e., high) since participants are expected to represent a higher proportion of successful hunters in the community; therefore, the actual effects of the Meliadine Mine and All-Weather Access Road (AWAR) may be less than predicted.

The 2025 HHS data indicated that 4.1% of reported Caribou harvest occurred within 5 km of the Meliadine AWAR (6.1% and 5.0% in 2024 and 2025, respectively), and only 7.0% occurred within the Meliadine RSA (25.2% and 26.9% in 2024 and 2023, respectively; Table 5.1). During the NWMB study from 1996 to 2001 (NWMB 2004), 24.8% of reported harvest was within the Meliadine RSA, which is very similar to the reported harvest between 2021 and 2024 but considerably higher than reported harvests in 2025.

As per the Meliadine Terrestrial Environment Management and Monitoring Plan (TEMMP), due to limited baseline data, no official thresholds related to Caribou harvesting in the Mine area have been set to date. However, results described in this report suggest that the presence of the AWAR and the Meliadine Mine has not greatly changed the relative amount of hunting within the RSA (i.e., % of total harvest). Provided the data and collaboration with local harvesters is suitable, Agnico Eagle, in collaboration with the Government of Nunavut, Department of Environment and the Terrestrial Advisory Group (TAG), will review results presented in this report and discuss next steps in establishing a Caribou harvest threshold.

A comprehensive comparison of Caribou harvest in the current study (2021 to 2025) and the NWMB study (1996 to 2001; NWMB 2004) determined that the average number of Caribou harvested per participant was higher within the HHS study area between 2021 and 2025 than between 1996 to 2001 for each month except November. This outcome is not as evident when analysing 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.

Forty-five (45) Muskox (*Ovibos moschatus*), 10 Wolverine (*Gulo gulo*), and 25 Arctic Wolf (*Canis lupus*) were harvested in 2025. Other harvested terrestrial mammal in 2025 included American Marten (*Martes americana*; 1), Arctic Fox (*Vulpes lagopus*; 3), Grizzly Bear (*Ursus arctos*; 3), Polar Bear (*Ursus maritimus*; 2), and Red Fox (*Vulpes vulpes*; 1). In the marine environment, Beluga (*Delphinapterus leucas*; 56 individuals) was the most common species reported as harvested, followed by Ringed Seal (*Pusa hispida*; 29 individuals), Narwhal (*Monodon monoceros*; 3), Bearded Seal (*Erignathus barbatus*; 3), Walrus (*Odobenus rosmarus*; 4), and Harbour Seal (*Phoca vitulina*; 1).

Moderate numbers of bird species were harvested by Rankin Inlet participants in 2025 with Canada Goose (*Branta canadensis*; 212 individuals), Snow Goose (*Anser caerulescens*; 110), and ptarmigan (*Lagopus* sp.; 84) harvested at the highest levels. Herring Gull (*Larus argentatus*; 19), Tundra Swan (*Cygnus columbianus*; 7), and several other bird species were also harvested.

The most common fish species captured, Arctic Char (*Salvelinus alpinus*), represented 80% of the total catch in 2025, compared to 92% in 2024, 93% in 2023, and 77% in 2022. Lake Trout (*Salvelinus namaycush*; 17%) was also captured at reasonably high numbers. The other two species that were the focus of the HHS, Arctic Grayling (*Thymallus arcticus*) and Lake Whitefish (*Coregonus clupeaformis*), were caught at very low numbers (grayling) or not reported as caught (whitefish) in 2025.

SECTION 1 • OVERVIEW

As outlined in the Terrestrial Environment Management and Monitoring Program (TEMMP; Agnico Eagle Mines 2025) and as a requirement of the Nunavut Impact Review Board (NIRB) Project Certificate No. 006 Terms and Conditions 46, 104, and 105, the Rankin Inlet Hunter Harvest Study (HHS) was initiated in 2020 by Agnico Eagle Mines Ltd. (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 to conduct the study and increase hunter participation (i.e., 2021 to 2025). The 2025 HHS, through regular visits, contributed to developing relationships with local harvesters, expanding contacts with outfitting and guiding businesses, and providing valuable harvest information to the KHTO 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 2025) and the Nunavut Wildlife Management Board (NWMB) study (1996 to 2001; NWMB 2004) are included in this report. Analytical confidence in outcomes will increase as the HHS database becomes more robust.

SECTION 2 • OBJECTIVES

The primary objective of the HHS is to monitor potential project-related effects on harvesting of wildlife by residents 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., 1996 to 2001; NWMB 2004).

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;
- continue 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 DoE in management decisions.

SECTION 3 • METHODOLOGY

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 chosen to reflect important harvest species and 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 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 2025 Rankin Inlet calendar). Space is provided for each calendar day where harvest details can be documented.

A map is provided at the end of the 2025 Rankin Inlet HHS calendar that delineates a 5 km^2 UTM grid around the community of 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 (Appendix A).

Participants were interviewed in person by the harvest study coordinator two times in 2025 and once in early 2026 (i.e., June 2025, October/November 2025, and January 2026). During the January 2026 interviews, remaining data from 2025 were collected, a new 2026 HHS calendar was distributed, and prizes were given. 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 occasionally contacted by phone or social media to encourage recording of harvest data.

Features of the 2025 HHS included:

1) adding new participants
2) continuing to include most (i.e., 5) outfitters and guides operating out of the community of Rankin Inlet;
3) building long-term relationships between participants and study facilitators;
4) increasing engagement with participants on social media platforms such as Facebook and Instagram; and
5) increasing incentives for participating in the study (e.g., gas vouchers and prizes).

SECTION 4 • HISTORICAL RESULTS

The number of hunters interviewed in the community of Rankin Inlet during the comprehensive 5-year Nunavut Wildlife Harvest Study (NWMB 2004) was 327, which according to the study represented 97% of all hunters in Rankin Inlet (NWMB 2004). Additionally, anecdotal discussions with HHS participants indicated that a maximum of 270 hunters were regularly active with a higher number only hunting occasionally and opportunistically. For the purposes of this annual report, and in the absence of more concrete estimates of current hunter numbers, the total number of active hunters in Rankin Inlet was estimated to be 300 to 350. Ongoing discussions with HHS participants, KHTO members, and other community groups will focus on obtaining a better estimate of active hunters in the community of Rankin Inlet.

Between 1996 and 2001, 4.5% of reported Caribou harvests were within 5 km of the Meliadine AWAR (prior to construction) and 24.8% of harvests occurred within the RSA (NWMB 2004). 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 2004).

Based on the NWMB (2004) results, the 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 (2004) study is provided in Section 5.1.3 of this report.

SECTION 5 • 2025 HUNTER HARVEST STUDY RESULTS

5.1 BARREN-LAND CARIBOU

5.1.1 Number of Hunters

The HHS included 69 participants by the end of 2025, which was an increase from 61, 56, and 44 participants in the 2024, 2023, and 2022 studies, respectively, and the highest in the HHS to date. Recruitment efforts in the community of Rankin Inlet during community visits and on social media platforms resulted in 14 new participants in 2025; however, several participants active in 2024 did not continue in 2025. Of the 69 participants in 2025, wildlife and fish harvest data were collected from 62 participants. Of these, Caribou harvest data were collected from 49 participants, which was higher than the 41, 37 and 31 participants reporting Caribou harvest in 2024, 2023 and 2022, respectively.

Based on the previous discussion of total numbers of hunters in Rankin Inlet (Section 4 Historical Results), an estimated 300 to 350 active hunters live within the Rankin Inlet community. Discussions with KHTO members and HHS participants suggest that the total number of hunters is higher but that most hunters are opportunistic and should not be considered as active hunters. Based on the estimate of 300 to 350 active hunters, the 49 hunters reporting Caribou harvest in 2025 conservatively represent from 14 to 16% 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 the community of Rankin Inlet, while others are concerned that the demand for sport hunting is at odds with local and subsistence harvesting.

5.1.2 Distribution of Hunting

Figure 5.1 depicts the distribution of 2025 Caribou harvest within the Rankin Inlet HHS study area. Hunting was concentrated near the community of Rankin Inlet, along Chesterfield Inlet, and southwest and northwest of the community of Whale Cove. A small number of harvests were recorded near the communities of Arviat and Chesterfield Inlet. As was the case in 2024, hunting near Rankin Inlet in 2025 was consistently described by participants as very challenging since the Qamanirjuaq herd has not passed close to the community in the last two years. With the very low numbers of animals near Rankin Inlet, many harvesters had to travel great distances north of Chesterfield Inlet and Baker Lake (e.g., Tehek Lake) and beyond. The significant distance required to access winter Caribou, coupled with the ever-increasing gas prices of 2025, has prevented some hunters from harvesting.

Limited hunting occurred within the Meliadine Local Study Area (LSA) (Figure 5.1). 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.

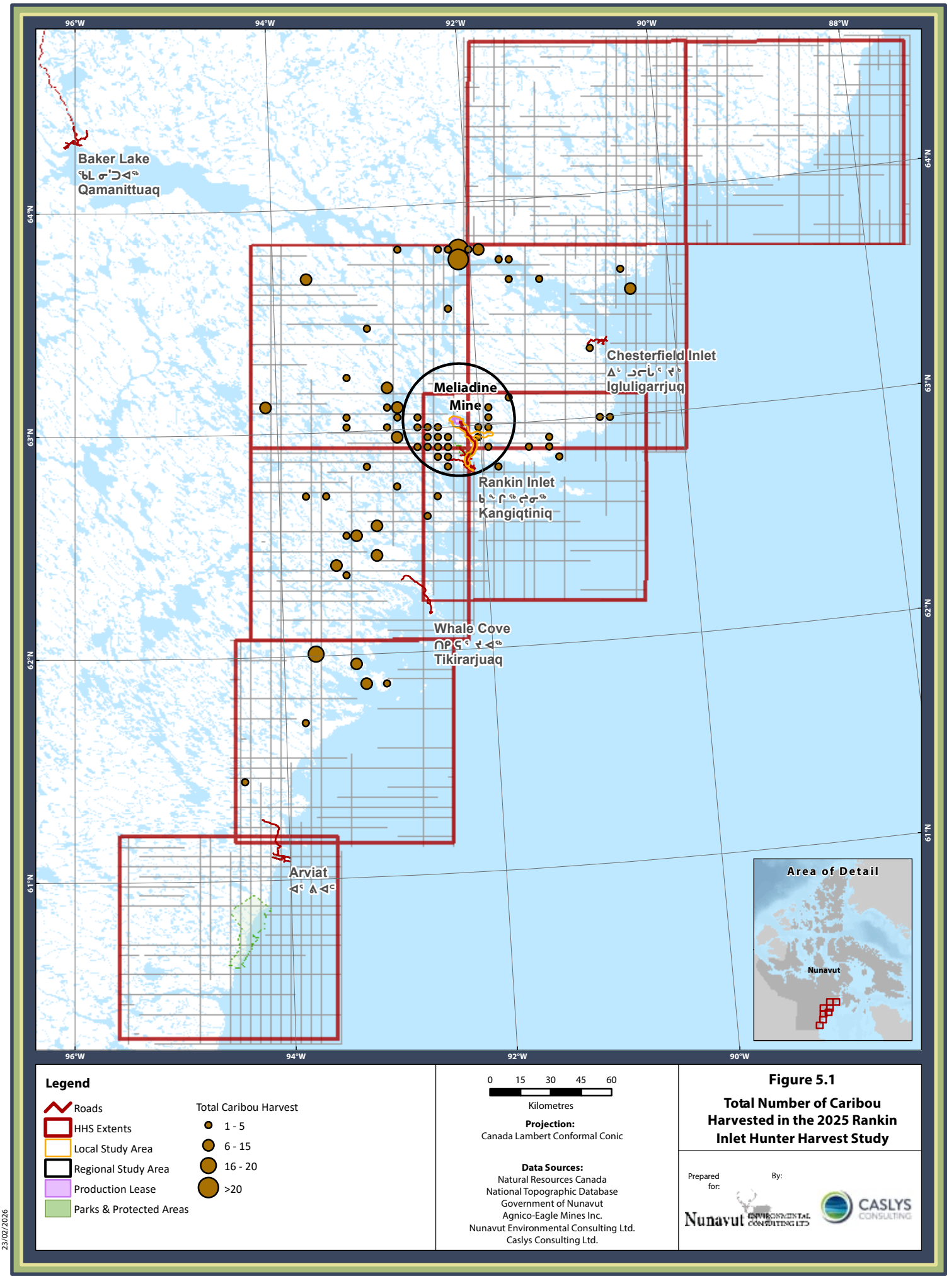
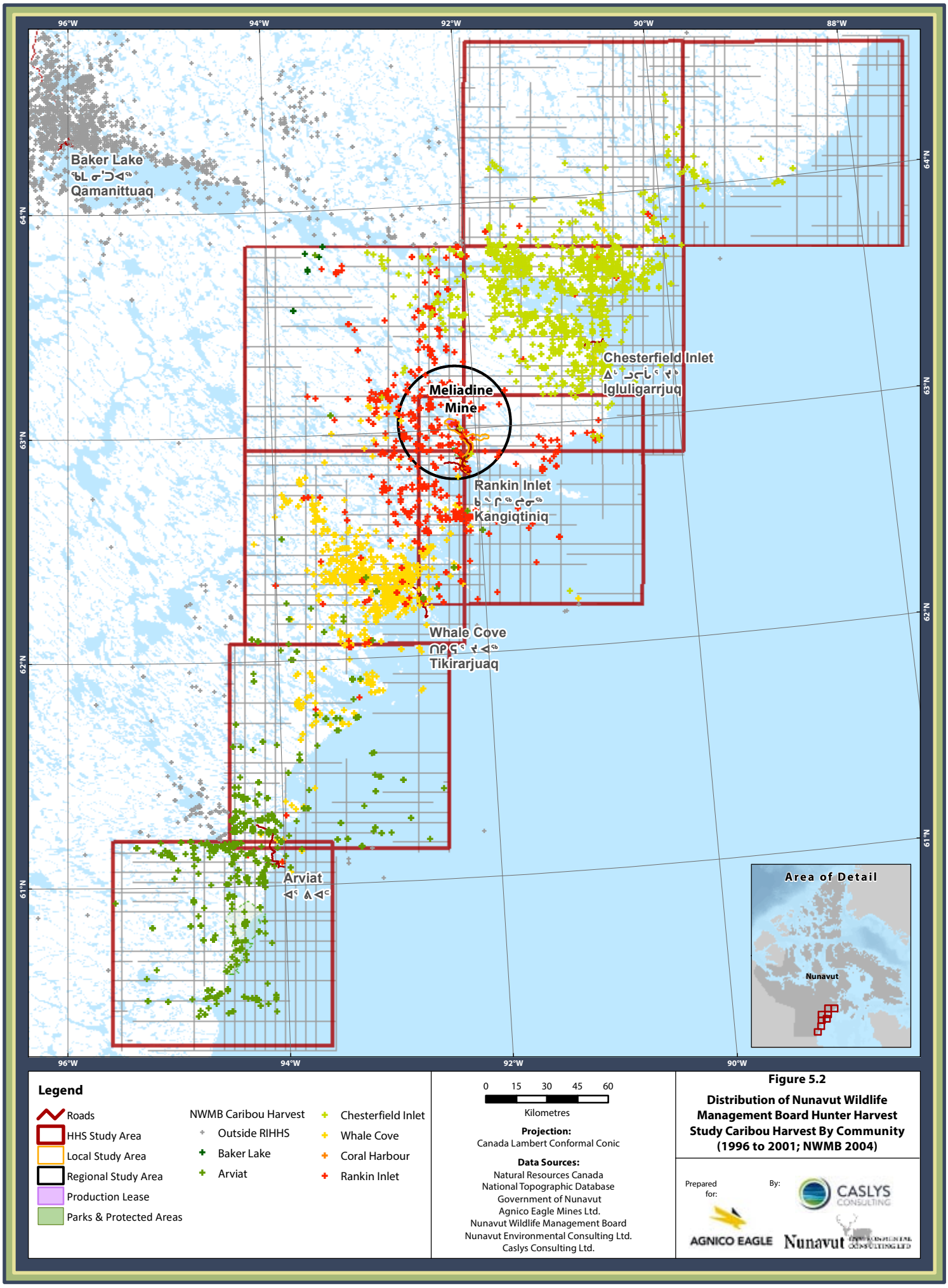

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HHS Extents
Local Study Area
Regional Study Area
Production Lease
Parks & Protected Areas
Total Caribou Harvest
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Data Sources:
Natural Resources Canada
National Topographic Database
Government of Nunavut
Agnico-Eagle Mines Inc.
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.
Figure 5.1
Total Number of Caribou Harvested in the 2025 Rankin Inlet Hunter Harvest Study
Prepared for:
By:
Nunavut Environmental Consulting Ltd.
CASLYS CONSULTING
23/02/2026

Figure 5.2 shows hunting distribution by community from the five-year NWMB study for the Rankin Inlet HHS study area. Most Caribou hunting occurred around the four communities in the study area. Figures 5.3 to 5.5 depict the Caribou harvest distribution (i.e., average number of Caribou per participant) for the Rankin Inlet component of the NWMB (2004) study (1996 to 2001; 6 years), the current study (2021 to 2025; 5 years), and both studies combined, respectively. Distribution of harvest is similar in the two studies.

The 2025 HHS data indicated that 4.1% of reported Caribou harvest occurred within 5 km of the Meliadine AWAR (6.1% and 5.0% in 2024 and 2025, respectively), and only 7.0% occurred within the Meliadine RSA (25.2% and 26.9% in 2024 and 2023, respectively; Table 5.1). During the NWMB study from 1996 to 2001 (NWMB 2004), 24.8% of reported harvest was within the Meliadine RSA, which is very similar to the reported harvest between 2021 and 2024 but considerably higher than reported harvests in 2025. Lower harvests within the AWAR and RSA in 2025 reflect the lower number of Caribou present in 2025. Participants also mentioned that Caribou were increasingly difficult to find close to Rankin Inlet in the last few years.

Table 5.1: Caribou Harvest Distribution along the Meliadine All-Weather Access Road (AWAR) and within the Rankin Inlet Local Study Area (LSA) and Regional Study Area (RSA) from 1996 to 2001 (Nunavut Wildlife Management Board [NWMB] Hunter Harvest Study [HHS] 2004), and 2021 to 2025 (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 HHS 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
Rankin Inlet HHS 2024	29.3	3.6	6.1	2.8	25.2
Rankin Inlet HHS 2025	8.2	1.8	4.1	0.5	7.0
Average (2021 to 2025)	19.2	3.5	4.1%	2.7%	21.6%



Legend

- Roads
- HHS Study Area
- 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 Ltd.
Nunavut Wildlife Management Board
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

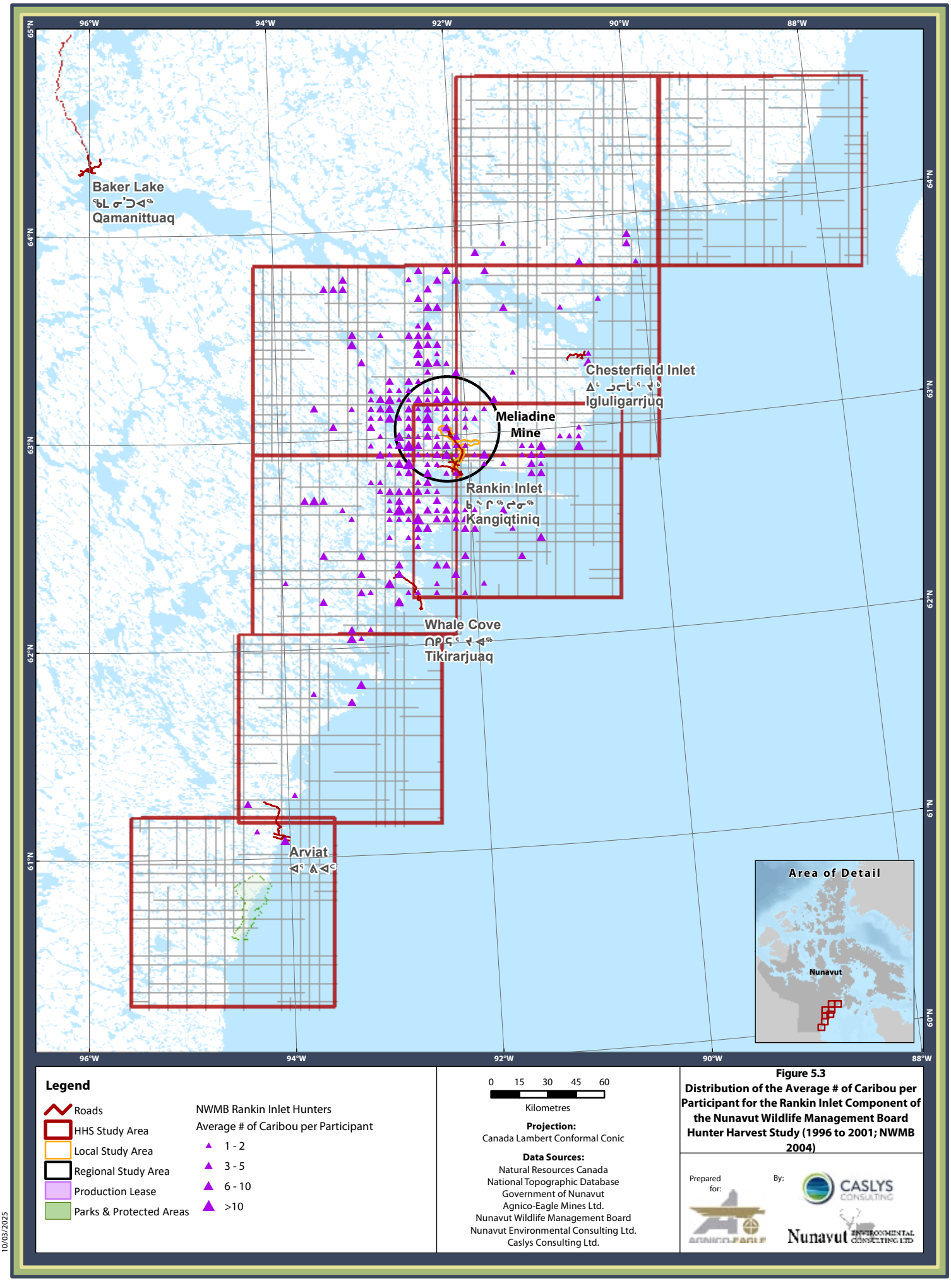
Figure 5.2

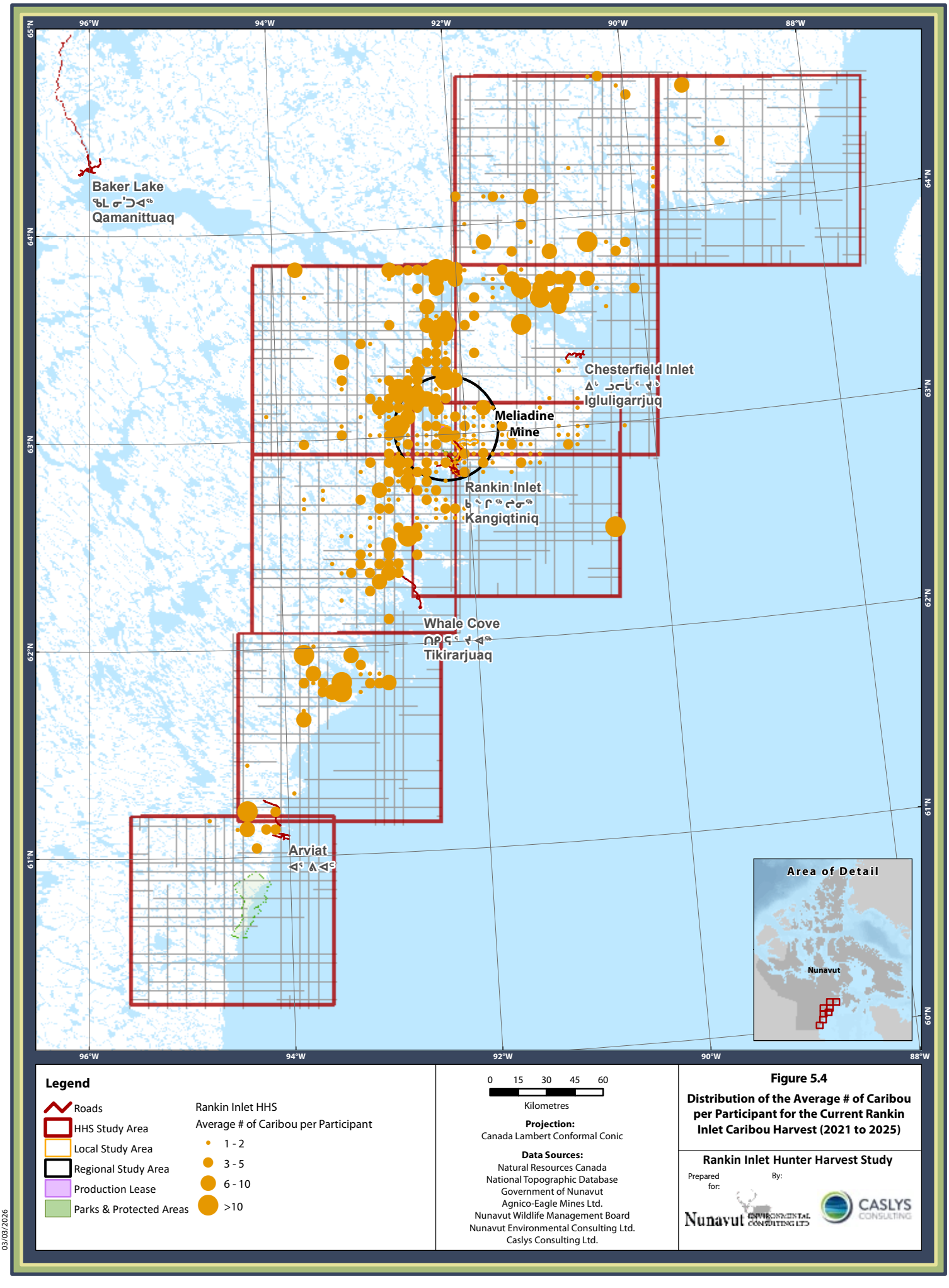
Distribution of Nunavut Wildlife Management Board Hunter Harvest Study Caribou Harvest By Community (1996 to 2001; NWMB 2004)

Prepared for: AGNICO EAGLE

By: CASLYS CONSULTING, Nunavut Environmental Consulting Ltd.

2022-03-09


96°W
94°W
92°W
90°W
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65°N
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Baker Lake
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Meliadine
Mine
Rankin Inlet
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Tikirarjuaq
Arviat
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Area of Detail
Nunavut
Legend
Roads
HHS Study Area
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 Ltd.
Nunavut Wildlife Management Board
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.
Figure 5.3
Distribution of the Average # of Caribou per Participant for the Rankin Inlet Component of the Nunavut Wildlife Management Board Hunter Harvest Study (1996 to 2001; NWMB 2004)
Prepared for:
By:
CASLYS CONSULTING
Nunavut Environmental Consulting Ltd.
10/03/2025



Legend

- Roads
- HHS Study Area
- 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 Ltd.
Nunavut Wildlife Management Board
Nunavut Environmental Consulting Ltd.
Caslys Consulting Ltd.

Figure 5.4

Distribution of the Average # of Caribou per Participant for the Current Rankin Inlet Caribou Harvest (2021 to 2025)

Rankin Inlet Hunter Harvest Study

Prepared for: Nunavut Environmental Consulting Ltd.

By: Caslys Consulting

03/03/2026

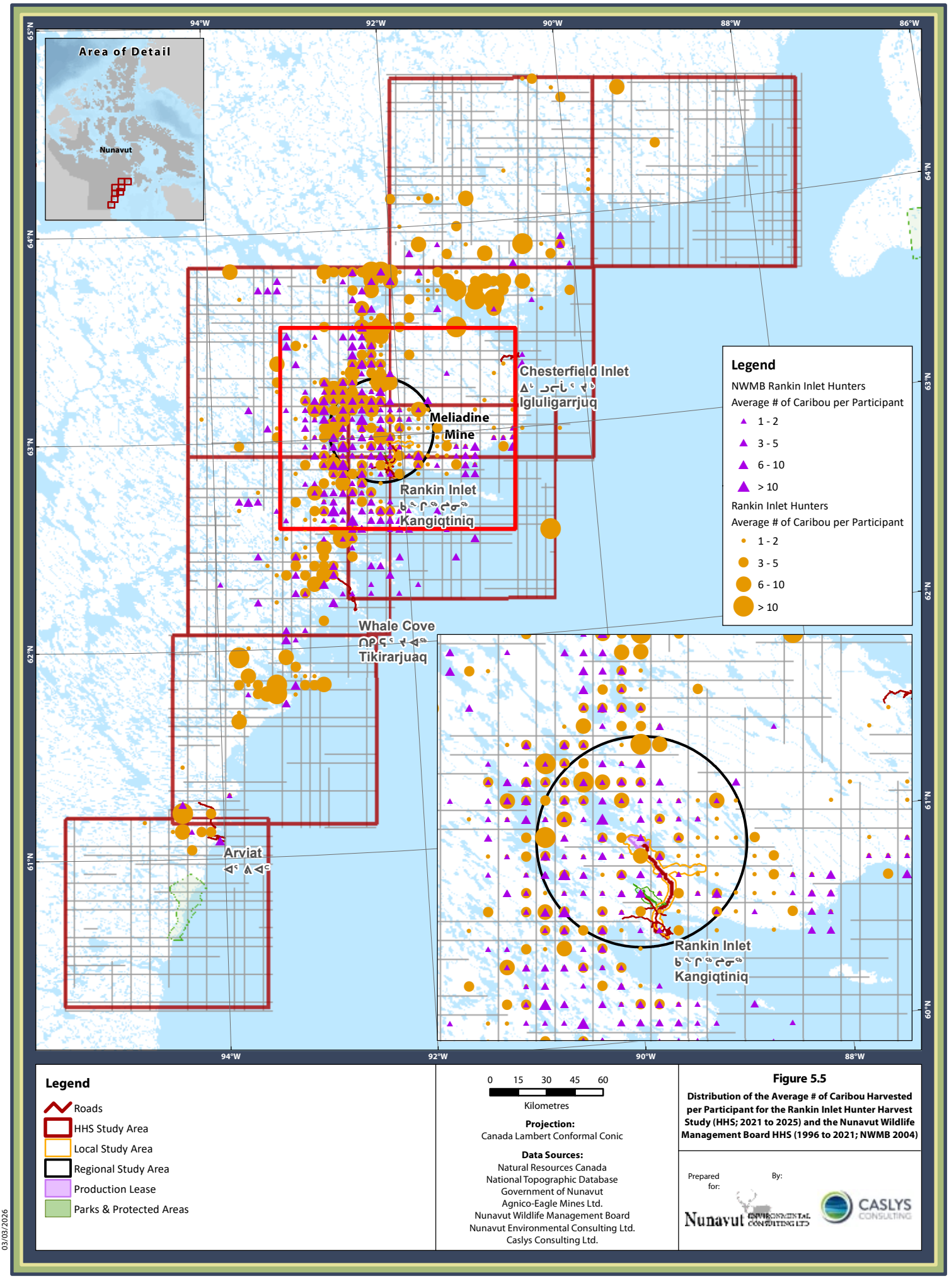


Figure 5.5

Distribution of the Average # of Caribou Harvested per Participant for the Rankin Inlet Hunter Harvest Study (HHS; 2021 to 2025) and the Nunavut Wildlife Management Board HHS (1996 to 2021; NWMB 2004)

03/03/2026

5.1.3 Magnitude of Hunting

In 2025, a total of 622 Caribou were reported as being harvested by 49 participants in the Rankin Inlet HHS (Table 5.2a). Caribou harvest numbers during the five-year NWMB study for the communities of Rankin Inlet, Arviat, Chesterfield Inlet, and Whale Cove are also provided (NWMB 2004) (Tables 5.2b to 5.2e).

Given an estimated 300 to 350 regular active hunters in the community of Rankin Inlet, the 49 hunters reporting Caribou harvest in 2025 represent from 14 to 16% of active hunters in the community. With a total reported Caribou harvest of 622 animals in 2025, the total estimated number of Caribou harvested in 2025 was between 3,888 and 4,443 animals, which is lower than estimates in 2024 (i.e., 5,064 to 5,908 animals) and 2022 (i.e., 5,470 to 6,077 animals), and comparable to estimates in 2023 (i.e., 4,025 to 4,390 animals). This estimate is likely very conservative (i.e., high) since participants are thought to represent 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 (2004) 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 (Table 5.3; Figure 5.6). Within the RSA, the difference in average number of Caribou harvested per participant between the HHS and NWMB studies was not as compelling (Table 5.3; Figure 5.7). The highest months (e.g., 2022) were because one or two hunters 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 5.4); however, the data table does not consider the number of hunters participating in the two studies.

Table 5.2a: Hunter Caribou Harvest Statistics from the Rankin Inlet Hunter Harvest Study (2021 to 2025). Results are only within the Rankin Inlet Hunter Harvest Study Area Boundaries.

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
2024	93	103	45	68	96	22	2	33	151	56	9	31	709
2025	127	57	91	51	107	31	6	18	101	18	3	12	622
Total #	658	330	250	288	403	71	58	146	460	197	43	127	3,031
Average	131.6	66.0	50.0	57.6	80.6	14.2	11.6	29.2	92.0	39.4	8.6	25.4	606.2
% of Total	21.7	10.9	8.2	9.5	13.3	2.3	1.0	4.8	15.2	6.5	1.4	4.2	100.0%

Table 5.2b: Hunter Caribou Harvest Statistics for the Community of Rankin Inlet from the Nunavut Wildlife Management Board Hunter Harvest Study (1996 to 2001; NWMB 2004). Results are only within the Rankin Inlet Hunter Harvest Study Area Boundaries.

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 5.2c: Hunter Caribou Harvest Statistics for the Community of Arviat from the Nunavut Wildlife Management Board Hunter Harvest Study (1996 to 2001; NWMB 2004). Results are only within the Rankin Inlet Hunter Harvest Study Area Boundaries.

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

Table 5.2d: Hunter Caribou Harvest Statistics for the Community of Chesterfield Inlet from the Nunavut Wildlife Management Board Hunter Harvest Study (1996 to 2001; NWMB 2004). Results are only within the Rankin Inlet Hunter Harvest Study Area Boundaries.

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 5.2e: Hunter Caribou Harvest Statistics for the Community of Whale Cove from the Nunavut Wildlife Management Board Hunter Harvest Study (1996 to 2001; NWMB 2004). Results are only within the Rankin Inlet Hunter Harvest Study Area Boundaries.

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 5.3: Difference in the Average Number of Caribou Harvested per Participant in the Rankin Inlet Hunter Harvest Study (HHS; 2021 to 2025) and the Nunavut Wildlife Management Board HHS Study (1996 to 2001; NWMB 2004) 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	HHS > NWMB	1.2	HHS > NWMB
February	5.4	HHS > NWMB	0.6	HHS > NWMB
March	2.3	HHS > NWMB	1.5	HHS > NWMB
April	2.0	HHS > NWMB	-2.0	HHS < NWMB
May	4.2	HHS > NWMB	1.9	HHS > NWMB
June	1.3	HHS > NWMB	1.4	HHS > NWMB
July	0.8	HHS > NWMB	1.3	HHS > NWMB
August	1.1	HHS > NWMB	-0.3	HHS < NWMB
September	1.7	HHS > NWMB	0.1	HHS > NWMB
October	2.0	HHS > NWMB	1.0	HHS > NWMB
November	-0.8	HHS < NWMB	-0.7	HHS < NWMB
December	1.3	HHS > NWMB	-2.2	HHS < NWMB

Table 5.4: Difference in the Average Number of Caribou Harvested per Month over All Years in the Rankin Inlet Hunter Harvest Study (HHS; 2021 to 2025) and the Nunavut Wildlife Management Board HHS (Rankin Inlet only; 1996 to 2001; NWMB 2004) within the HHS Boundaries.

Average # of Caribou Harvested per Month over All Years per Study				
Month	**HHS**	**NWMB**	**+/- Median Change**	**Result**
January	131.6	79.0	52.6	HHS > NWMB
February	66.0	59.8	6.2	HHS > NWMB
March	50.0	87.6	-37.6	HHS < NWMB
April	57.6	70.0	-12.4	HHS < NWMB
May	80.6	32.2	48.4	HHS > NWMB
June	14.2	14.3	-0.1	HHS < NWMB
July	11.6	29.2	-17.6	HHS < NWMB
August	29.2	51.3	-22.1	HHS < NWMB
September	92.0	67.3	24.7	HHS > NWMB
October	39.4	46.7	-7.3	HHS < NWMB
November	8.6	61.5	-52.9	HHS < NWMB
December	25.4	61.7	-36.3	HHS < NWMB

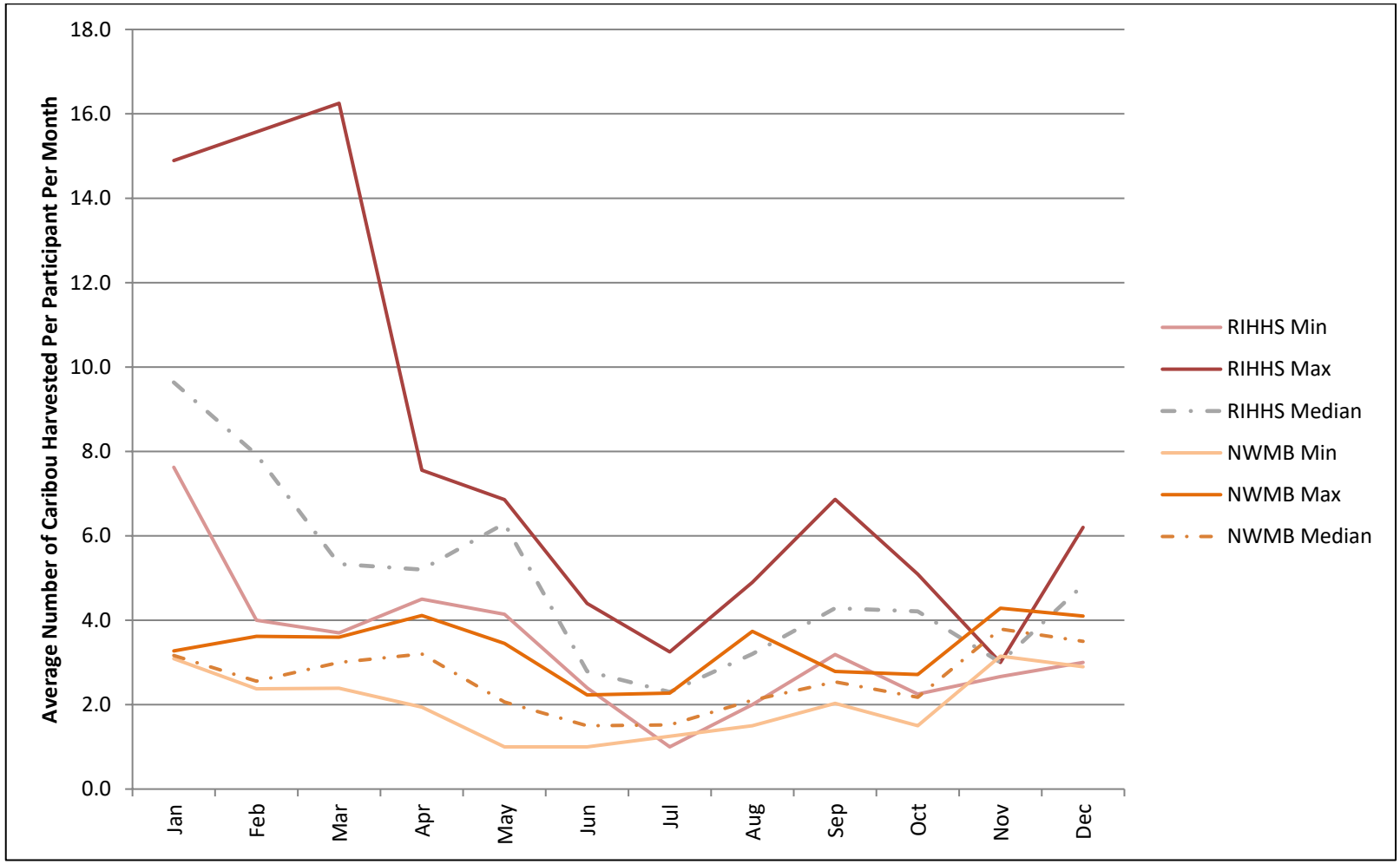


Figure 5.6: Minimum, Maximum, and Median Number of Caribou Harvested per Participant per Month for the Rankin Inlet Hunter Harvest Study (HHS; 2021 to 2025) and the Nunavut Wildlife Management Board HHS (1996 to 2001; NWMB 2004) within the HHS Boundaries.

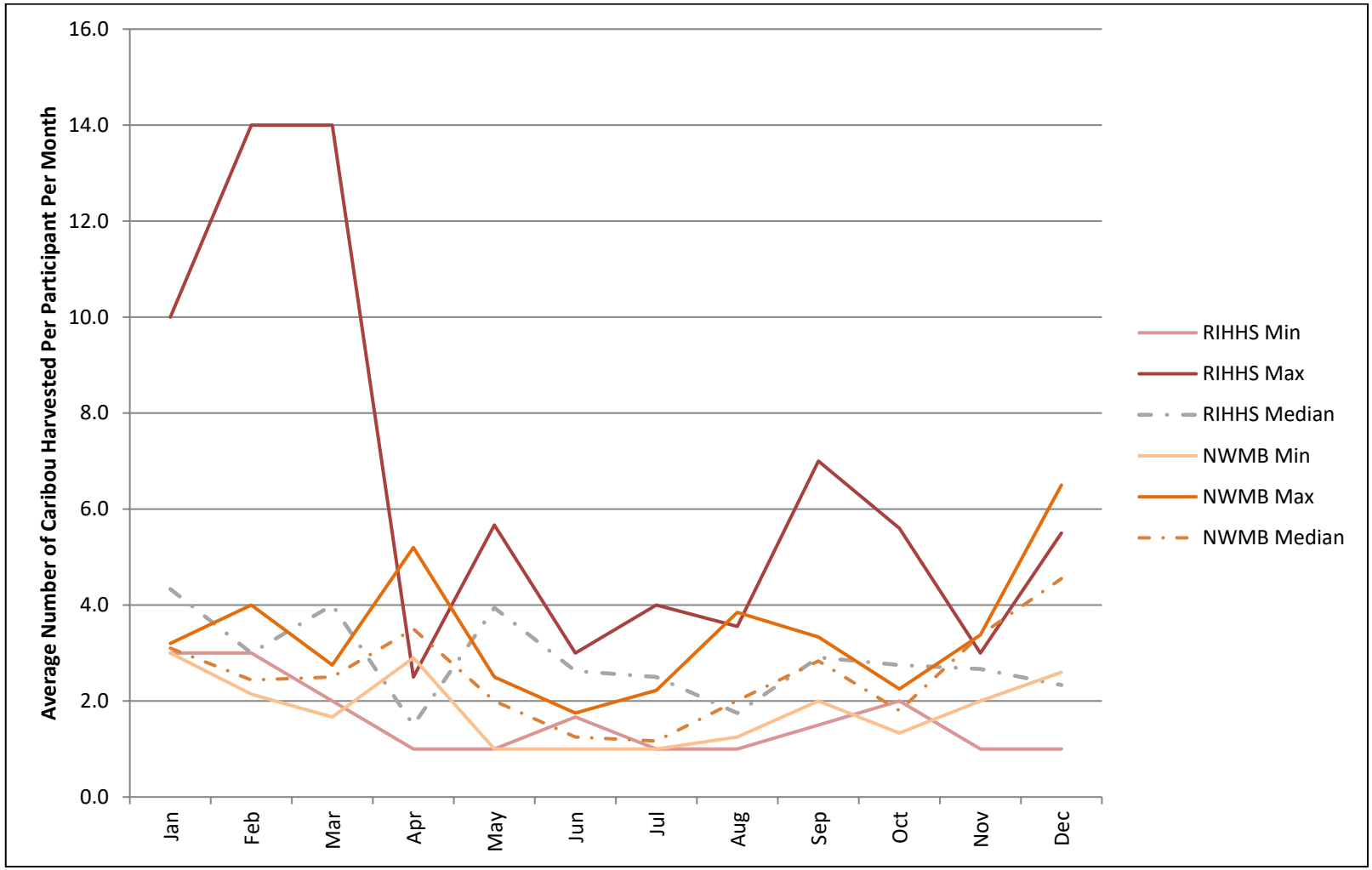


Figure 5.7: Minimum, Maximum, and Median Average Number of Caribou Harvested per Participant per Month for the Rankin Inlet Hunter Harvest Study (HHS; 2021 to 2025) and the Nunavut Wildlife Management Board Study (1996 to 2001; NWMB 2004) within the Regional Study Area.

5.1.4 Seasonal Distribution & Timing of Hunting

The Rankin Inlet HHS results to date indicate that the highest Caribou harvests occurred in winter (January and February), spring (April and May), and fall (September and October; Figure 5.8). Similarly, during the five-year NWMB harvest study (Rankin Inlet), the highest Caribou harvests occurred between February and May, and between September and November. The pattern between the studies indicates that seasonal hunting preferences are similar.

As can be seen from Figure 5.9 (i.e., Caribou harvest numbers by season and proximity to the Meliadine AWAR), 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 5.1, which includes all 2025 results, and Figures 5.10a to 5.10d, representing the spring (April 01 to May 25), summer (May 26 to September 21), fall (September 22 to December 15), and winter (January 01 to March 31, and December 16 to 31) Caribou seasons, as have been defined by the GN DoE.

In spring, Caribou hunting occurred primarily southwest and northwest of the community of Rankin Inlet with no harvests reported within the Meliadine RSA (Figure 5.10a). Very few or no harvests were reported near the communities of Chesterfield Inlet and Arviat (Figure 5.10a).

During the summer, most Caribou were harvested in the vicinity of the community of Rankin Inlet and within the southwestern portion of the Meliadine Mine RSA (Figure 5.10b). A small number of Caribou were reported as being harvested along Chesterfield Inlet, near the community of Chesterfield Inlet, and between the communities of Whale Cove and Arviat (Figure 5.10b).

In the fall, overall hunting was low with successful hunts reported near the community of Rankin Inlet and within the Meliadine Mine RSA (Figure 5.10c). Limited harvesting was reported near the communities of Whale Cove, Chesterfield Inlet and Arviat (Figure 5.10c).

Most reported Caribou harvests in winter were along Chesterfield Inlet (Figure 5.10d). A smaller number of harvests were reported around the communities of Chesterfield Inlet, Rankin Inlet and Whale Cove, while none were reported near Arviat (Figure 5.10d). Successful hunters during winter appeared to be those that travelled further afield by snowmobile.

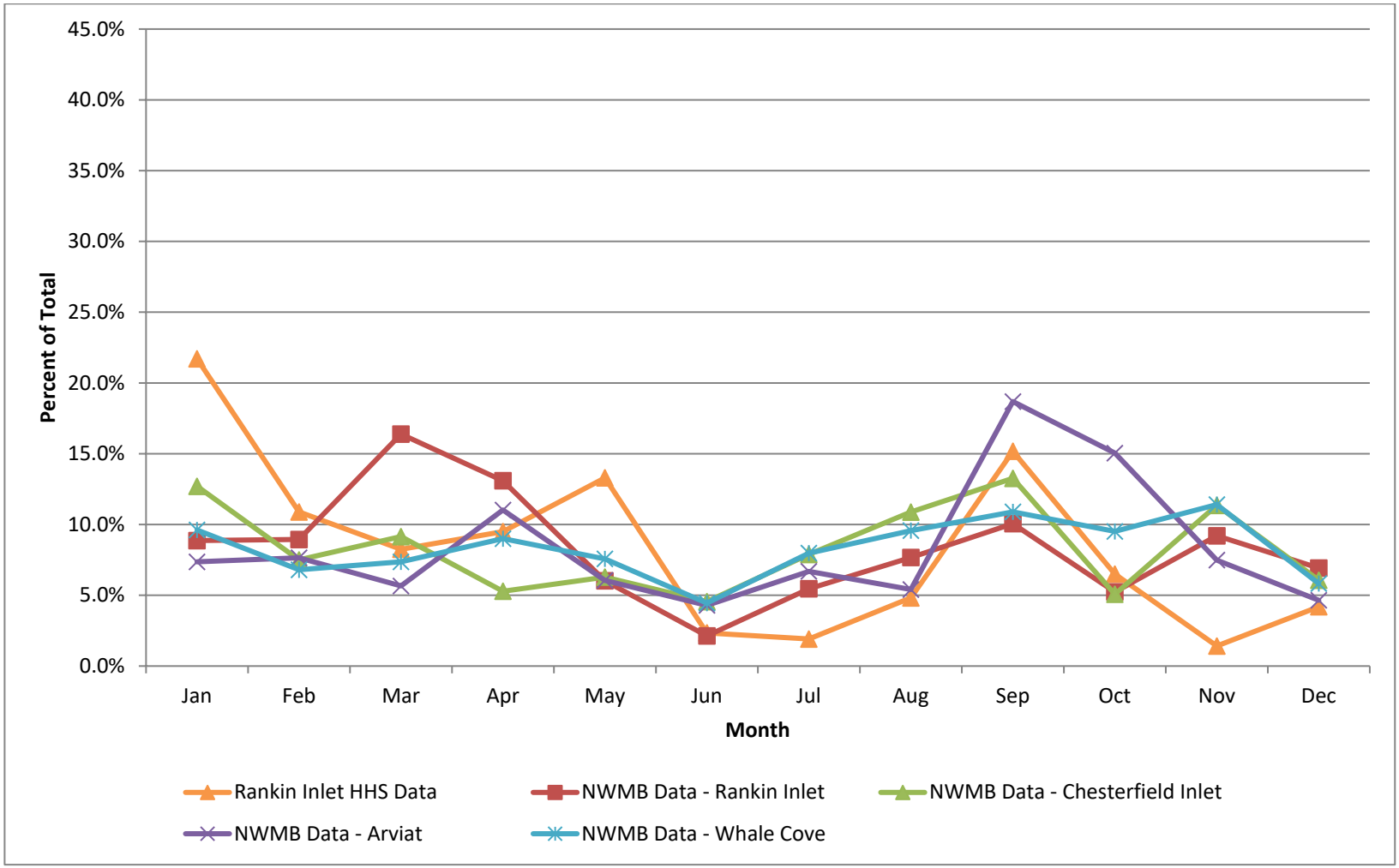


Figure 5.8: Seasonal Trends in Caribou Harvest from the 2025 Rankin Inlet Hunter Harvest Study (HHS) and the Nunavut Wildlife Management Board HHS (1996 to 2001; NWMB 2024)

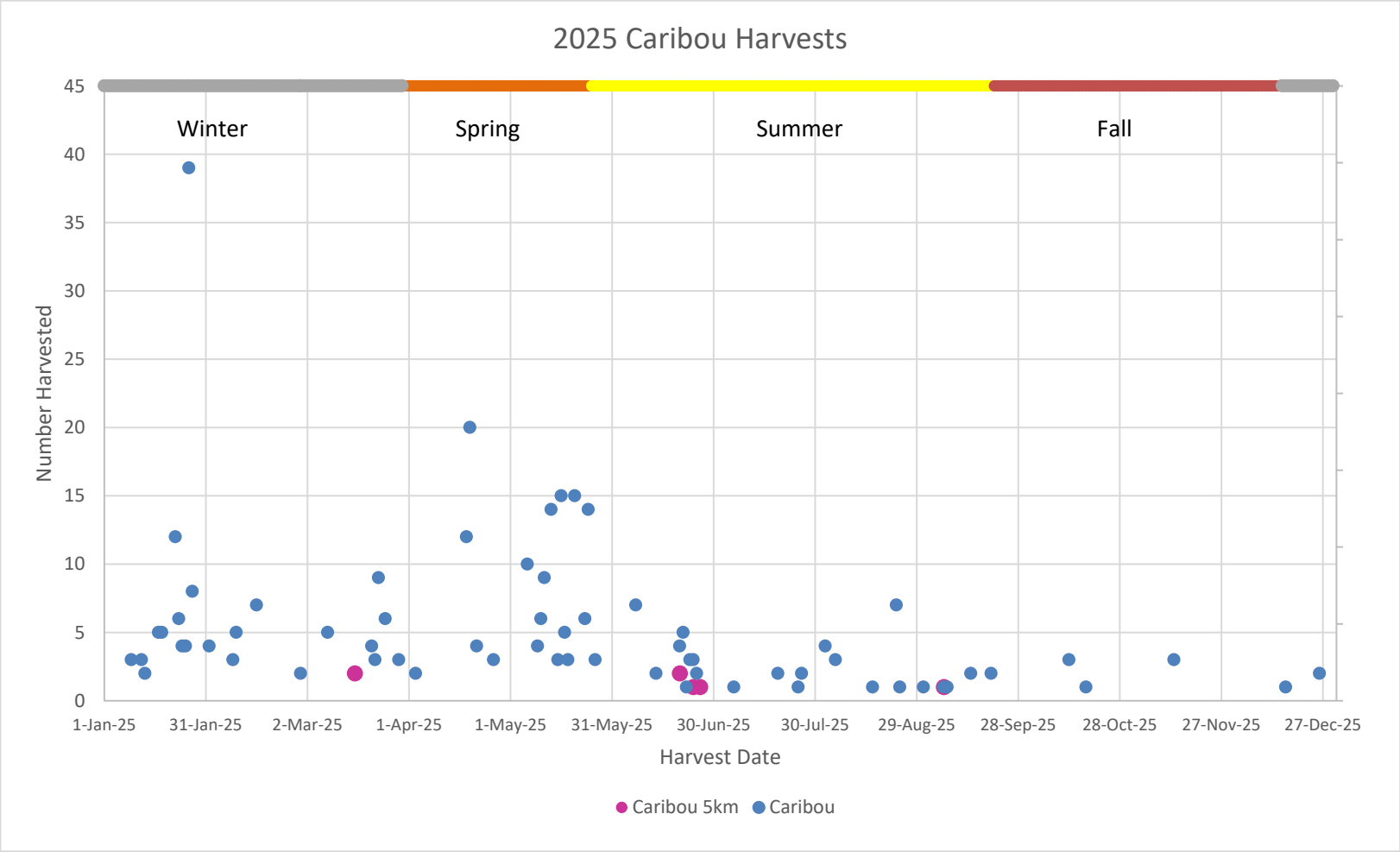
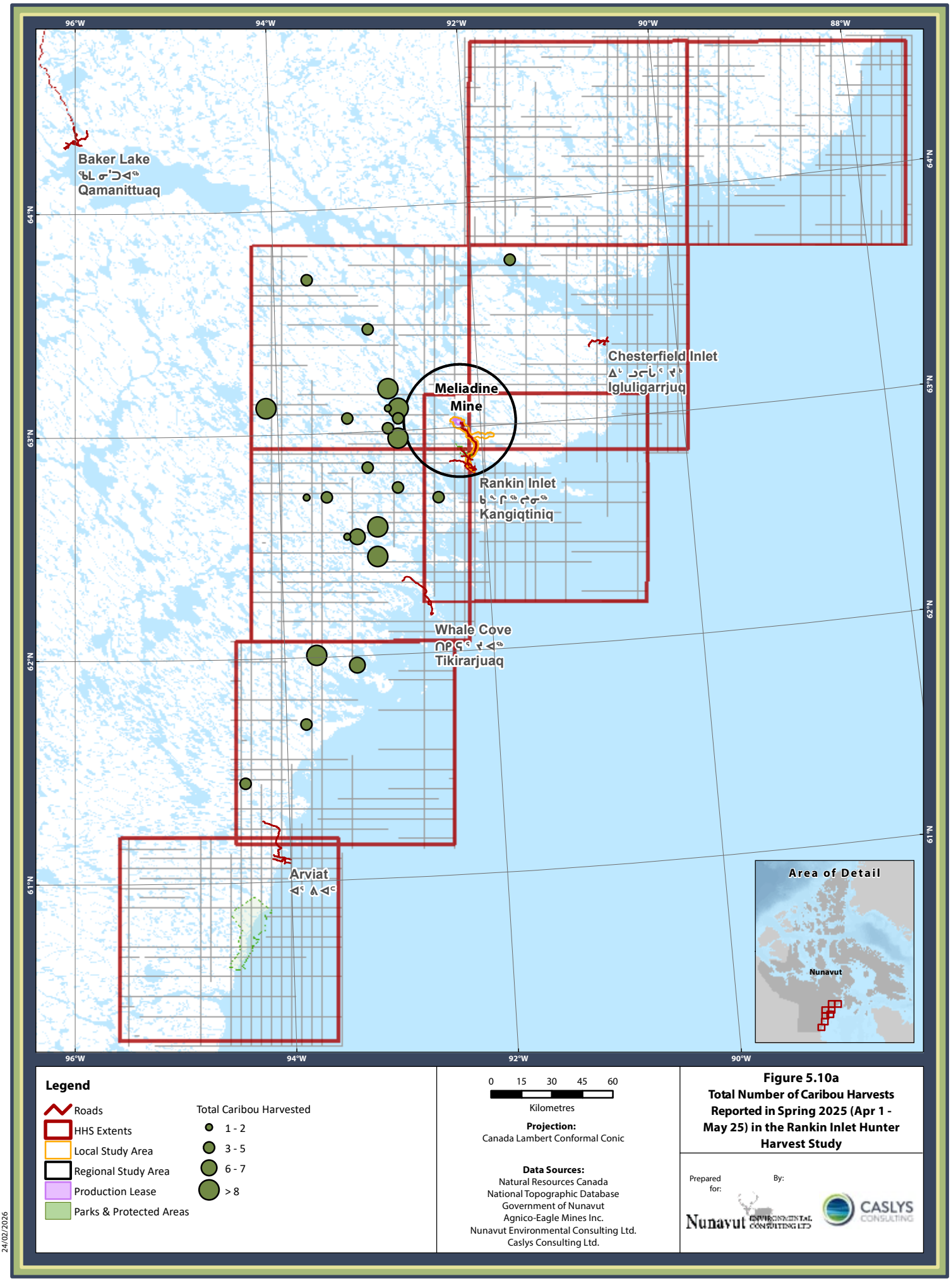
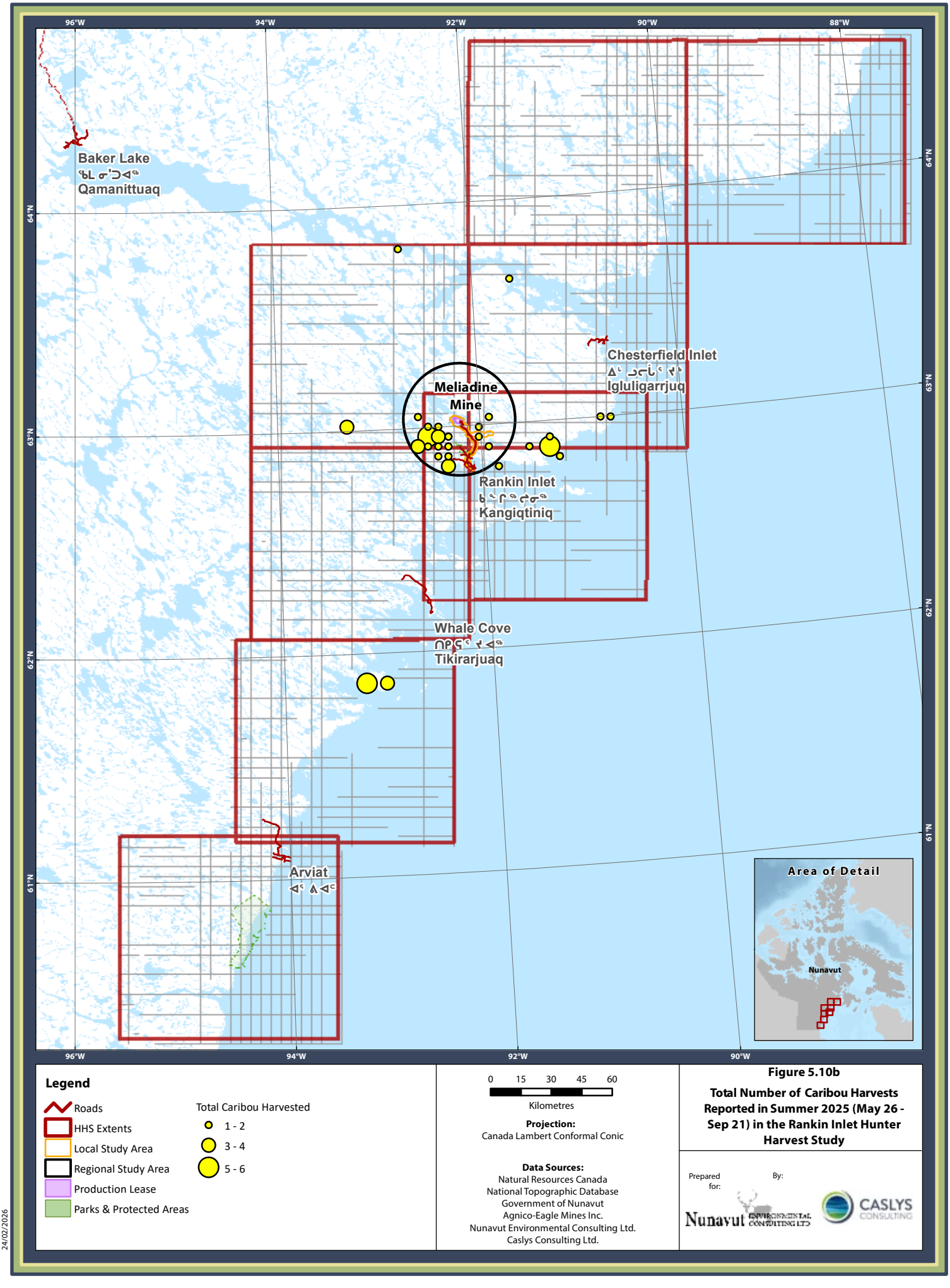
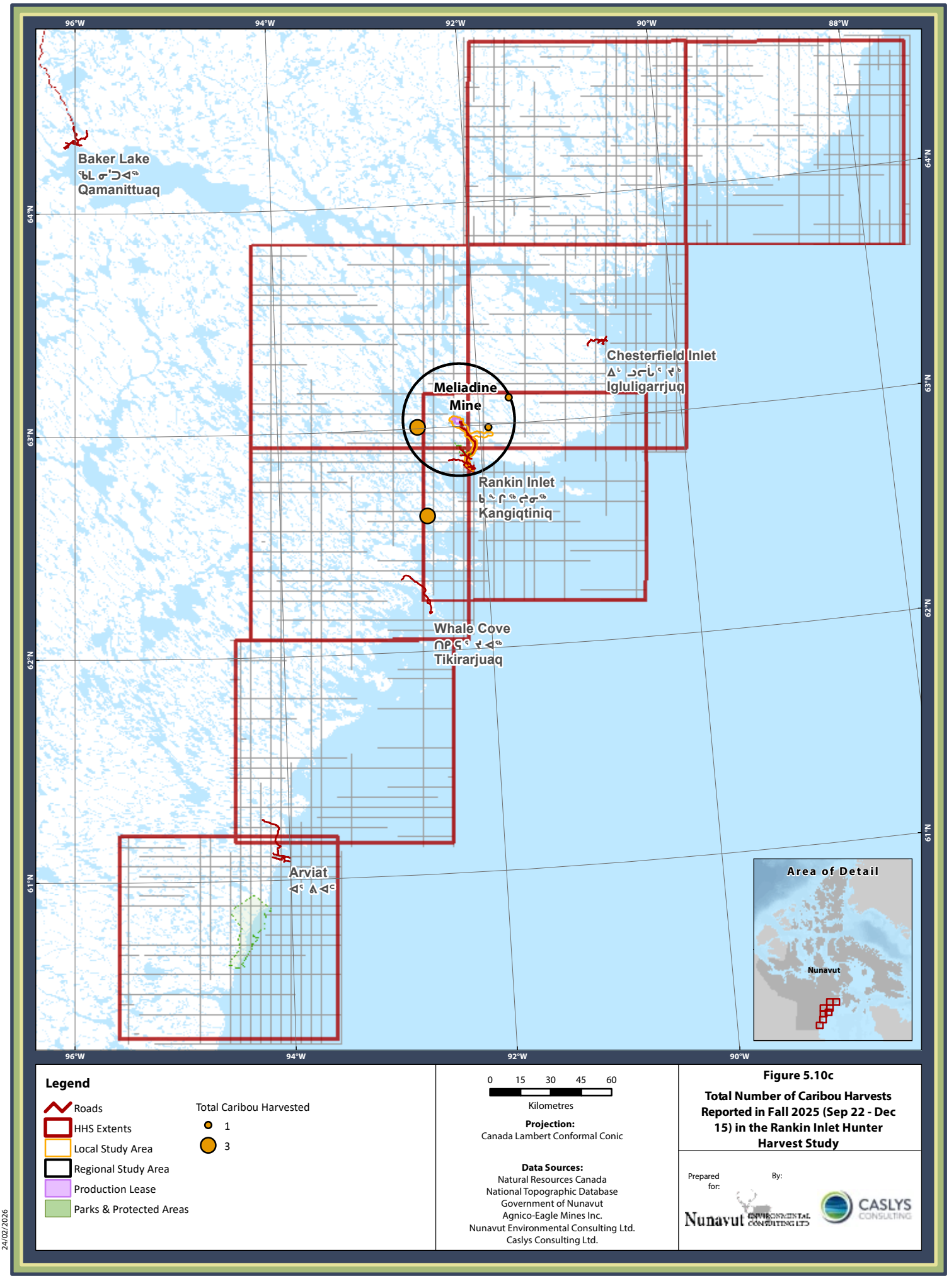


Figure 5.9: Number of Caribou Harvested in each Caribou Season and Proximity to the Meliadine All-Weather Access Road in the 2025 Rankin Inlet Hunter Harvest Study. Seasons are winter (January 01 to March 31, and December 16 to 31), spring (April 01 to May 25), summer (May 26 to September 21), and fall (September 22 to December 15).


96°W
94°W
92°W
90°W
88°W
64°N
63°N
62°N
61°N
Baker Lake
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Qamanittuaq
Chesterfield Inlet
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Igluligarrjuq
Meliadine
Mine
Rankin Inlet
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Kangiqtiniq
Whale Cove
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Tikirarjuaq
Arviat
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Area of Detail
Nunavut
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 5.10a
Total Number of Caribou Harvests Reported in Spring 2025 (Apr 1 - May 25) in the Rankin Inlet Hunter Harvest Study
Prepared for:
By:
Nunavut Environmental Consulting Ltd.
CASLYS CONSULTING
24/02/2026


96°W
94°W
92°W
90°W
88°W
64°N
63°N
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Baker Lake
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Chesterfield Inlet
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Whale Cove
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Tikirarjuaq
Arviat
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Area of Detail
Nunavut
Legend
Roads
HHS Extents
Local Study Area
Regional Study Area
Production Lease
Parks & Protected Areas
Total Caribou Harvested
1 - 2
3 - 4
5 - 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 5.10b
Total Number of Caribou Harvests Reported in Summer 2025 (May 26 - Sep 21) in the Rankin Inlet Hunter Harvest Study
Prepared for:
By:
Nunavut Environmental Consulting Ltd.
CASLYS CONSULTING
24/02/2026



Legend

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

Total Caribou Harvested

- 1
- 3

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 5.10c

Total Number of Caribou Harvests Reported in Fall 2025 (Sep 22 - Dec 15) in the Rankin Inlet Hunter Harvest Study

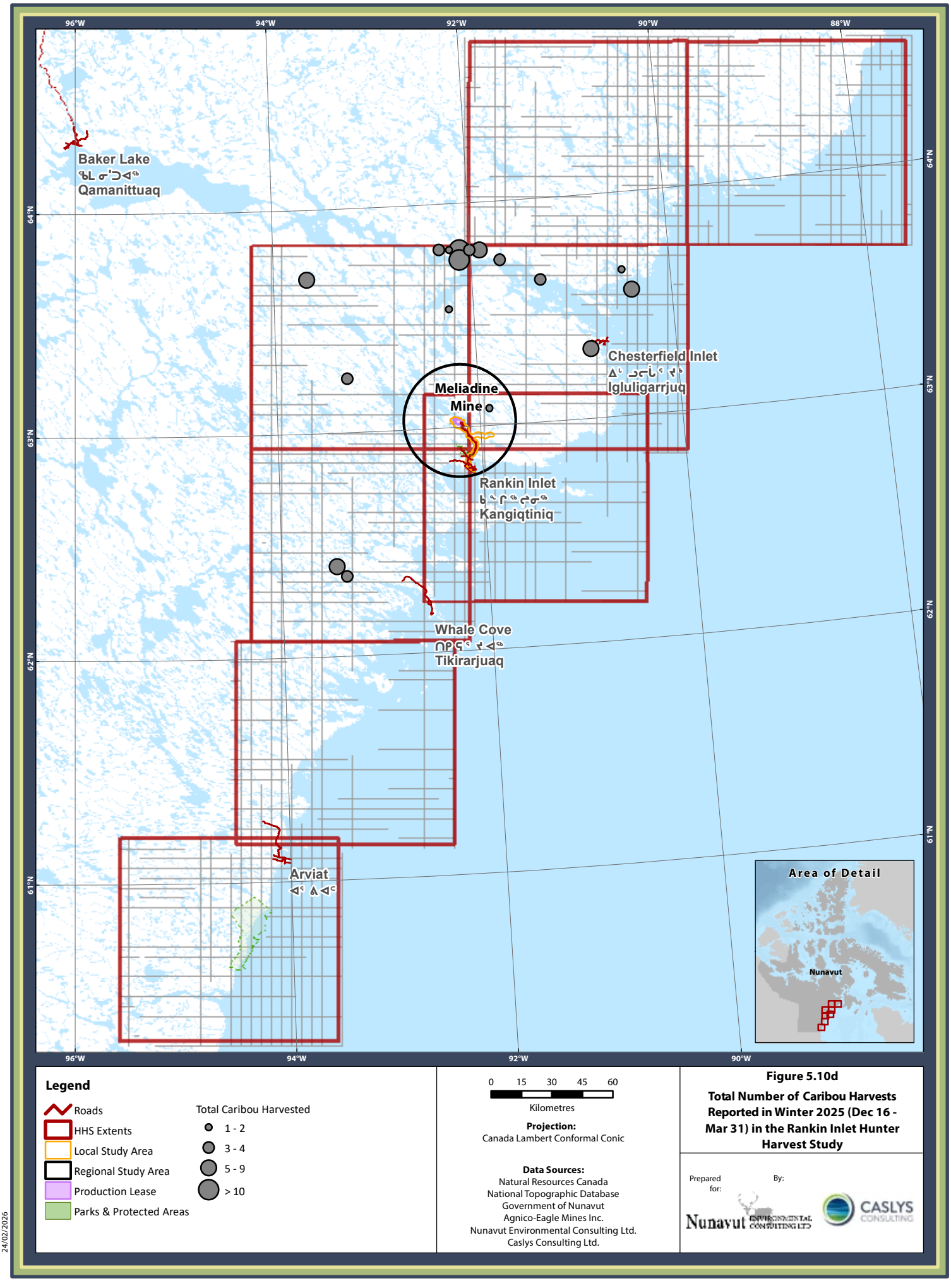
Prepared for:

By:

Nunavut Environmental Consulting Ltd.

CASLYS CONSULTING

24/02/2026


96°W
94°W
92°W
90°W
88°W
64°N
63°N
62°N
61°N
Baker Lake
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Qamanittuaq
Chesterfield Inlet
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Igluligarrjuq
Meliadine
Mine
Rankin Inlet
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Kangiqtiniq
Whale Cove
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Tikirarjuaq
Arviat
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Area of Detail
Nunavut
Legend
Roads
HHS Extents
Local Study Area
Regional Study Area
Production Lease
Parks & Protected Areas
Total Caribou Harvested
1 - 2
3 - 4
5 - 9
> 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 5.10d
Total Number of Caribou Harvests Reported in Winter 2025 (Dec 16 - Mar 31) in the Rankin Inlet Hunter Harvest Study
Prepared for:
By:
Nunavut Environmental Consulting Ltd.
CASLYS CONSULTING
24/02/2026

5.1.5 Caribou Health

Some participants reported sick Caribou in 2025, but this was substantially less than described in 2023. 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. In 2023, 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. In 2025, some participants commented that higher wolf numbers in the Rankin Inlet area were resulting in culling of sick, old, and weakened Caribou.

5.2 OTHER TERRESTRIAL MAMMALS

5.2.1 Muskox

A total of 45 Muskox harvests were reported in 2025, which is the highest harvest reported to date. Twenty-four (24) Muskox harvests were reported in 2024, 14 in 2023 and 10 in 2022 (Table 5.5). With hunting for Caribou in the Rankin Inlet area considered by several participants to be challenging in 2025 due to low numbers near the community, more Rankin Inlet hunters reported a switch over to Muskox hunting to compensate for the limited Caribou numbers. Muskox is often avoided (especially large bulls) because they are considerably more work to process than Caribou, which is the preferred terrestrial protein in the community. Muskox sales to the Kivalliq Fish & Meat Plant may also be driving the increase in Muskox harvest.

Muskox were generally harvested north and north-northwest of the community of Rankin Inlet up to Chesterfield Inlet (see Figure 5.11). All Muskox harvests occurred during the winter where access to remote areas was possible by snowmobile.

5.2.2 Wolverine, Wolf, Grizzly Bear, & Polar Bear

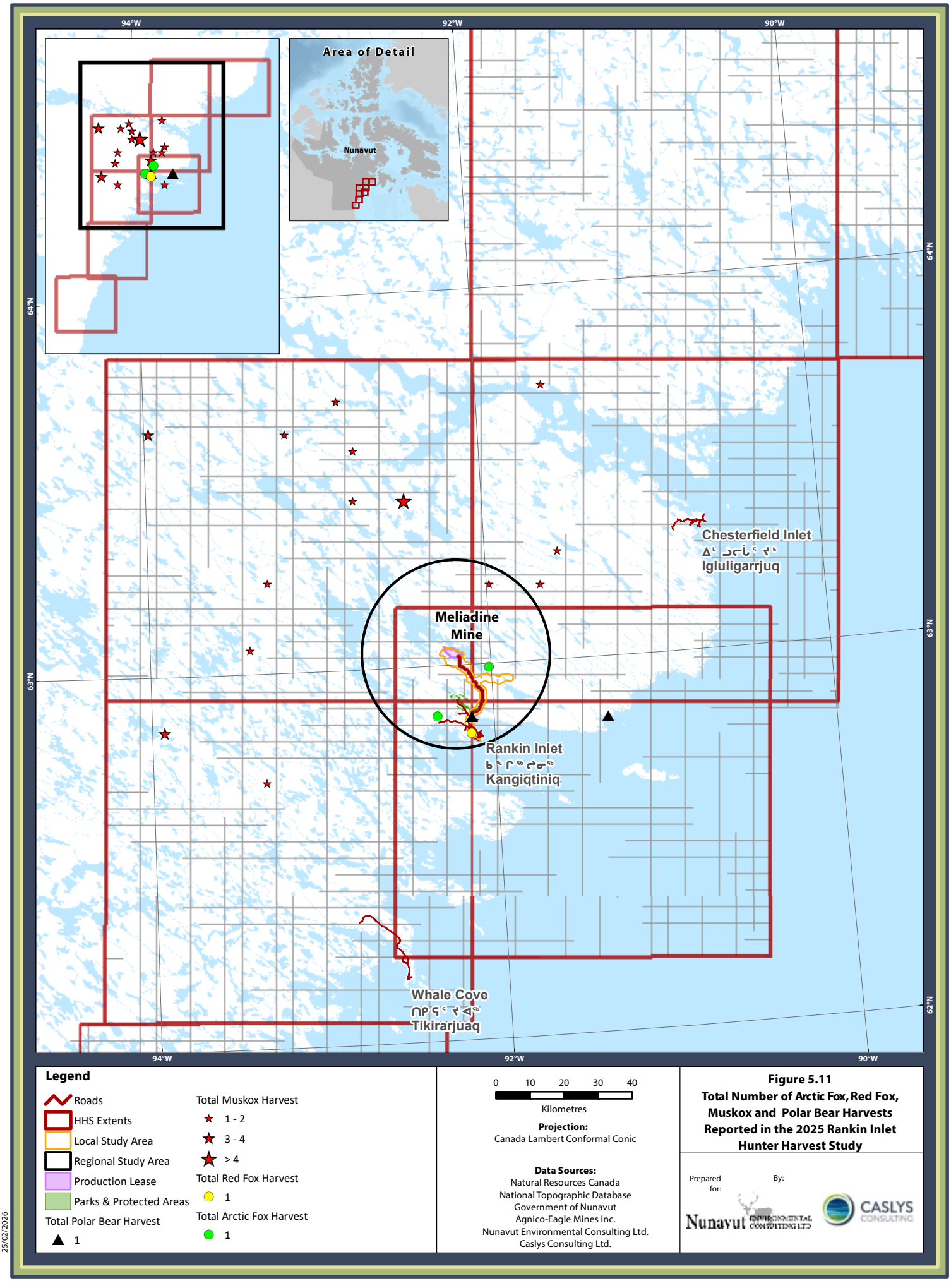
Ten (10) Wolverine were reported as harvested in 2025, which is the highest to date (Table 5.5). Five (5) Wolverine were reported as being harvested in 2024 compared to three (3) in 2023 and eight (8) in 2022 (Table 5.5). Wolverine harvests were a considerable distance from the community of Rankin Inlet, with only a few near the community and/or within the Meliadine RSA (Figure 5.12).

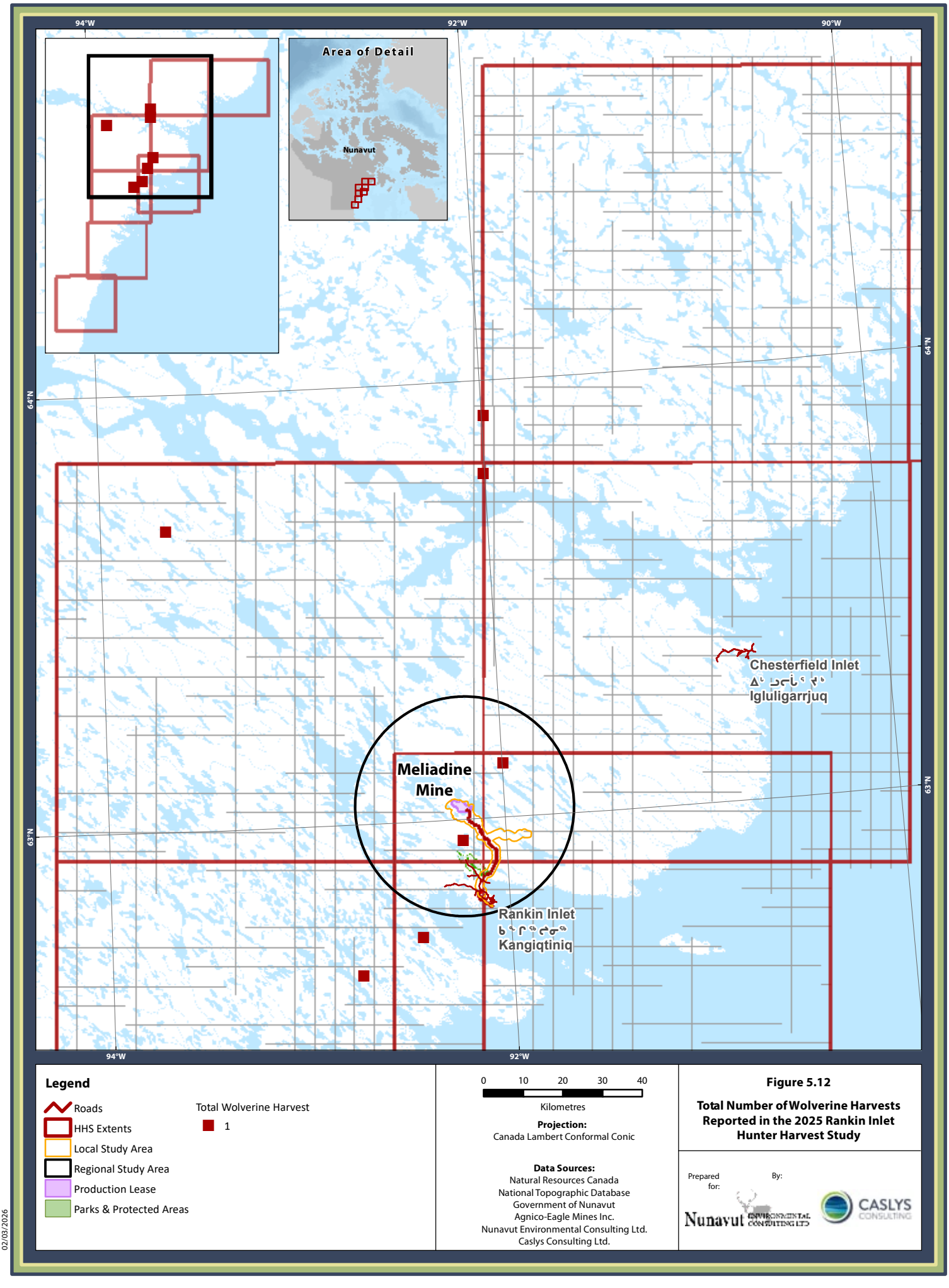
Twenty-five (25) Arctic Wolf were reported as harvested in 2025, which is the highest to date (Table 5.5). Five (5) Arctic Wolf were reported as harvested in 2024 compared to four (4) in 2023 and 14 in 2022 (Table 5.5). In 2025, wolf numbers in the Rankin Inlet area were described as "higher than usual" with wolves entering town on several occasions. In addition, the wildlife office provides $500 per pelt, which is a noteworthy economic incentive for participants to harvest wolves. Despite higher numbers and financial incentives, wolves are typically only caught by harvesters with advances snowmobile equipment and skills and when there is a firm, stable snow and ice cover. All reported wolf harvests in 2025 were outside the HHS study area.

Table 5.5: Total Number of Terrestrial Mammal Harvests Reported from 2021 to 2025 in the Rankin Inlet Hunter Harvest Study.

Species	2021	2022	2023	2024	2025	Total
American Marten (*Martes americana*)					1	
Arctic Fox (*Vulpes lagopus*)	1				3	4
Arctic Hare (*Lepus arcticus)*	7	7	1	5		20
Arctic Wolf (*Canis lupus*)	18	14	4	5	25	66
Barren-ground Caribou (*Rangifer tarandus*)	672	547	483	709	622	3,033
Ermine (*Mustela richardsonii*)				1		1
Grizzly Bear (*Ursus arctos*)					3	3
Lemming sp.	1					1
Moose (*Alces alces*)	1			1		2
Muskox (*Ovibos moschatus*)	14	10	14	24	45	107
Muskrat (*Ondatra zibethicus*)				1		1
Polar Bear (*Ursus maritimus*)			4	3	2	9
Red Fox (*Vulpes vulpes*)				1	1	2
Wolverine (*Gulo gulo*)	2	8	3	5	10	28
Totals	**716**	**586**	**509**	**755**	**709**	**3,277**

For the third year in a row, Polar Bear harvests were reported (i.e., 2 individuals in 2025) (Table 5.5). Individual bears were harvested just north of the community of Rankin Inlet and a considerable distance to the east near Rabbit Island (Figure 5.11). Additionally, the recreational hunt guiding business appears to have expanded in 2025 with the allocation of new Polar Bear tags. Although an increased number of tags is a boon for sport hunting outfitters, the increase is not supported by all community members. In 2025, three (3) Grizzly Bear were reported as being harvested, with none reported in the other four years of the study


94°W
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62°N
Area of Detail
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Chesterfield Inlet
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Igluligarrjuq
Meliadine
Mine
Rankin Inlet
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Kangiqtiniq
Whale Cove
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Tikirarjuaq
Legend
Roads
HHS Extents
Local Study Area
Regional Study Area
Production Lease
Parks & Protected Areas
Total Polar Bear Harvest
1
Total Muskox Harvest
1 - 2
3 - 4
> 4
Total Red Fox Harvest
1
Total Arctic Fox Harvest
1
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 5.11
Total Number of Arctic Fox, Red Fox, Muskox and Polar Bear Harvests Reported in the 2025 Rankin Inlet Hunter Harvest Study
Prepared for:
By:
Nunavut Environmental Consulting Ltd.
CASLYS CONSULTING
25/02/2026


94°W
92°W
90°W
64°N
63°N
Area of Detail
Nunavut
Chesterfield Inlet
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Igluligarrjuq
Meliadine
Mine
Rankin Inlet
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Kangiqtiniq
Legend
Roads
HHS Extents
Local Study Area
Regional Study Area
Production Lease
Parks & Protected Areas
Total Wolverine Harvest
1
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 5.12
Total Number of Wolverine Harvests Reported in the 2025 Rankin Inlet Hunter Harvest Study
Prepared for:
By:
Nunavut Environmental Consulting Ltd.
CASLYS CONSULTING
02/03/2026

5.2.3 Arctic Fox & Arctic Hare

In 2025, three (3) Arctic Fox were reported as being harvested compared to none in 2024, 2023 or 2022. As was the case in 2024, one (1) Red Fox was harvested in 2025 (Table 5.5). No Arctic Hare were reported as being harvested in 2025 compared to five (5) in 2024, one (1) in 2023, and seven (7) in 2021 (Table 5.5). In 2025, Arctic Fox and Red Fox were harvested primarily in the vicinity of the community of Rankin Inlet (Figure 5.11). One participant in 2021 indicated that hare fur was used primarily for women's mittens.

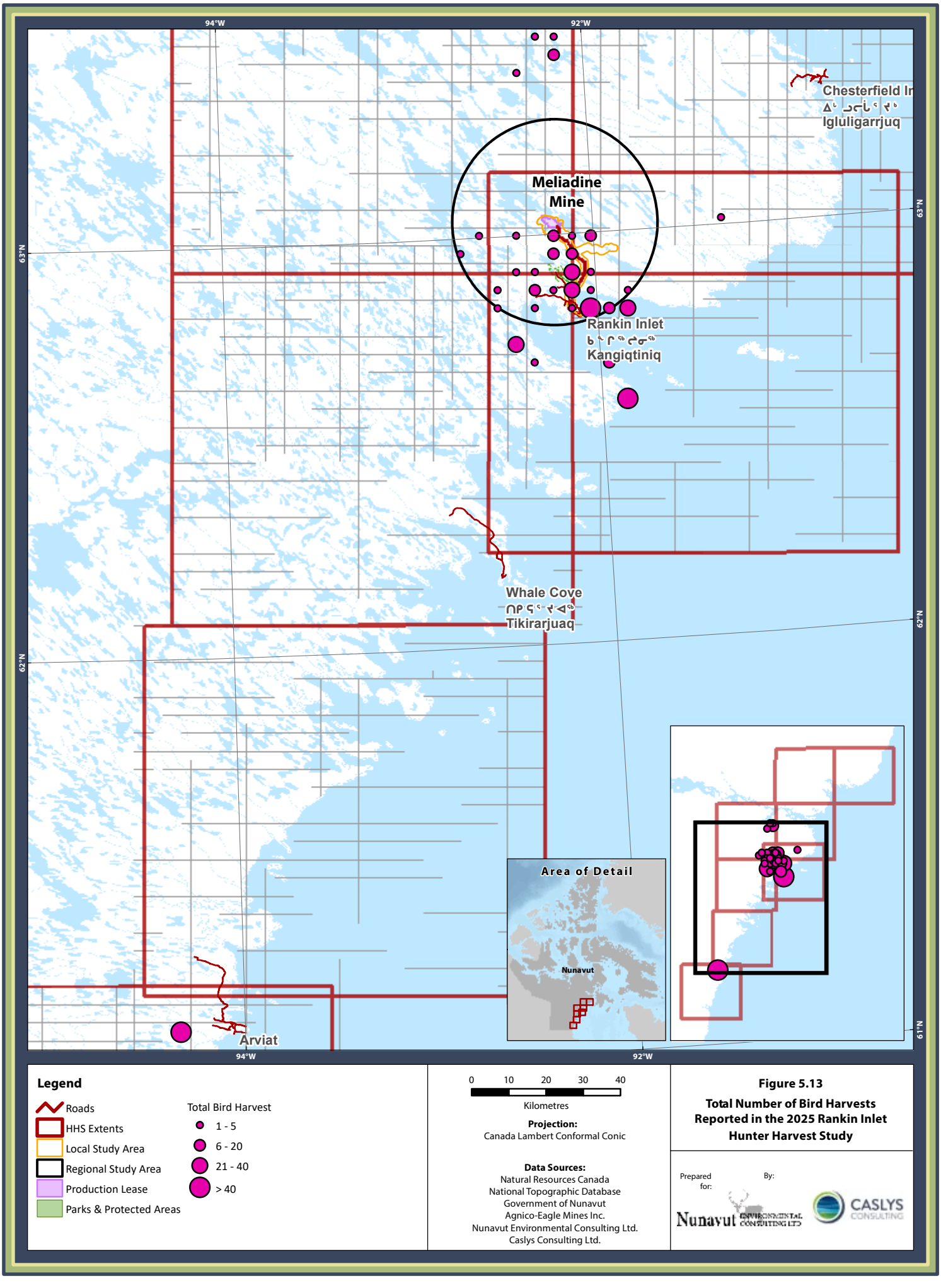
5.3 BIRDS

In 2025, 441 birds were reported as being harvested compared to 441 in 2024, 202 in 2023, and 136 in 2022 (Table 5.6). Canada Goose (*Branta canadensis*) and Snow Goose (*Anser caerulescens*) made up 73% (322 individuals) of birds harvested in 2025 compared to 67% in 2024, 45% in 2023, and 65% in 2022. The three most common bird species reported as being harvested by Rankin Inlet HHS participants in 2025 were Canada Goose (212 individuals), Snow Goose (110), and ptarmigan (*Lagopus* sp.; 84).

Most birds were harvested in marine shoreline areas and lakes around the community of Rankin Inlet, and along the Meliadine AWAR, up to Peter Lake (Figure 5.13), and primarily during the spring (i.e., May and June) migration (Figure 5.14).

Table 5.6: Total Number of Bird Harvests Reported from 2021 to 2025 in the Rankin Inlet Hunter Harvest Study.

Species	2021	2022	2023	2024	2025	Total
Black Guillemot (*Cepphus grylle*)				8		8
Canada Goose (*Branta canadensis*)	134	45	78	222	212	691
Common Eider (*Somateria mollissima*)	3	2	65	13	2	85
Goose sp. (*Anser* sp.)		8			2	10
Greater White-fronted Goose (*Anser albifrons*)	6			14	2	22
Gull sp. (*Larus* sp.)	40		1	13		54
Herring Gull (*Larus argentatus*)					19	19
Loon sp. (*Gavia* sp.)				2	1	3
Northern Pintail (*Anas acuta*)	10	10	6	9	2	37
Owl sp.				8		8
Ptarmigan sp. (*Lagopus* sp.)	58	26	33	70	82	269
Rock Ptarmigan (*Lagopus muta*)				3		3
Sandhill Crane (*Grus canadensis*)	10	1	6	4		21
Snow Goose (*Anser caerulescens*)	126	44	12	72	110	364
Snowy Owl (*Bubo scandiacus*)				1		1
Tundra Swan (*Cygnus columbianus*)	7		1	2	7	17
Willow Ptarmigan (*Lagopus lagopus*)					2	2
Totals	**394**	**136**	**202**	**441**	**441**	**1,614**



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 5.13
Total Number of Bird Harvests Reported in the 2025 Rankin Inlet Hunter Harvest Study

Prepared for:

By:

Nunavut Environmental Consulting Ltd.

CASLYS CONSULTING

23/02/2026

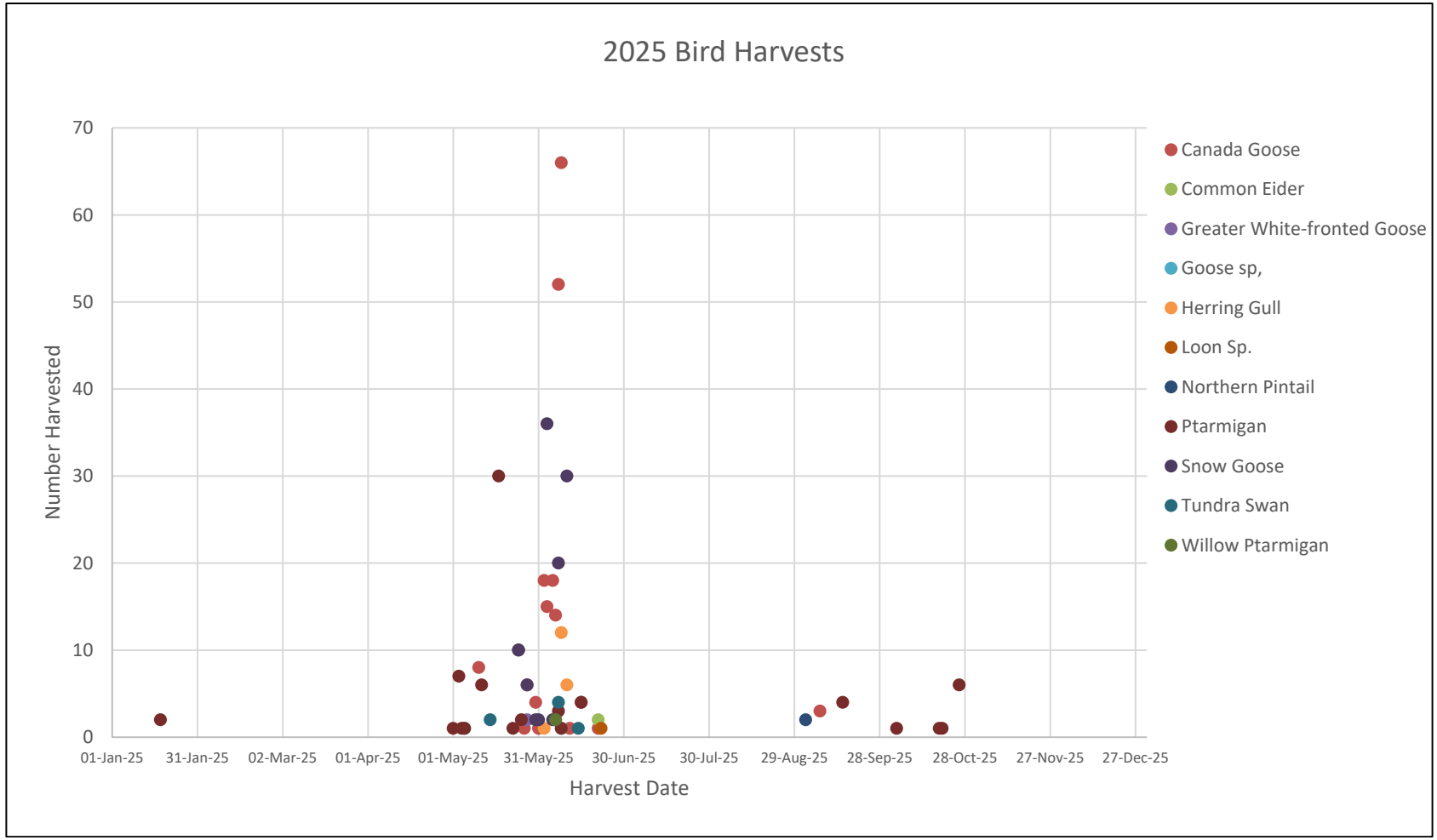


Figure 5.14: Seasonal Distribution and Individual Birds by Species Harvested in the 2025 Rankin Inlet Hunter Harvest Study.

5.4 MARINE MAMMAL

5.4.1 Seals & Walrus

In 2025, three species of seal were reported as being harvested: Bearded Seal (*Erignathus barbatus*), Harbour Seal (*Phoca vitulina*), and Ringed Seal (*Pusa hispida*) (Table 5.7). As was the case in all other years, Ringed Seal was the most harvested seal species in 2025 (i.e., 29 individuals; Table 5.7). Ringed Seal was generally harvested east and southeast of the community of Rankin Inlet, around Marble Island, and offshore between the community of Rankin Inlet and Baker Foreland (Figure 5.15). Other seal species were harvested at lower numbers and scattered throughout a similar area as the Ringed Seal harvests (Figure 5.15).

Two (2) Walrus (*Odobenus rosmarus*) were harvested in 2025 compared to four (4) in 2024 and two (2) in 2023 (Table 5.7). Walrus was harvested south of Marble Island (Figure 5.15).

Table 5.7 Total Number of Marine Mammal Harvests Reported from 2021 to 2025 in the Rankin Inlet Hunter Harvest Study.

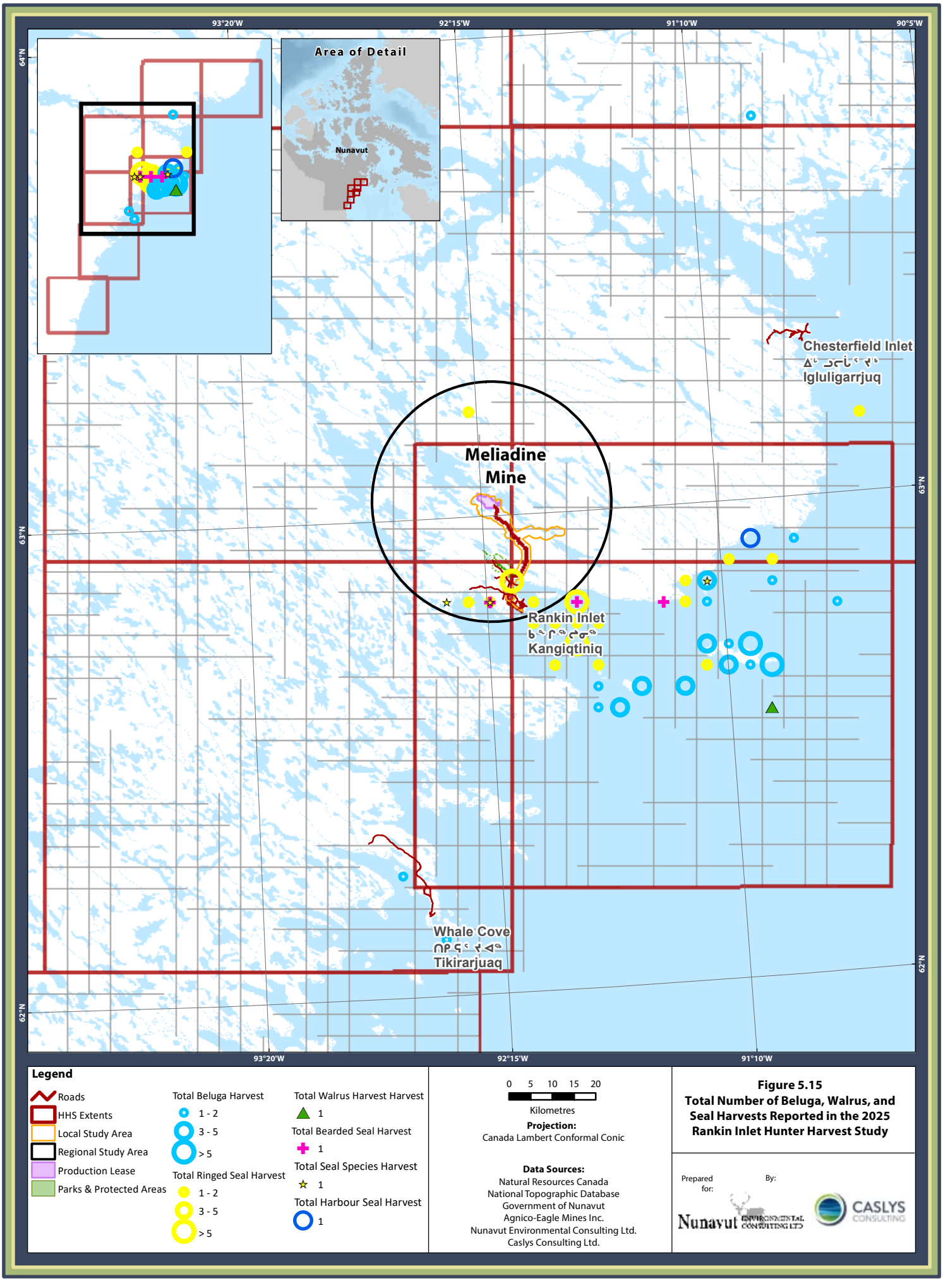
Species	2021	2022	2023	2024	2025	Total
Bearded Seal (*Erignathus barbatus*)	2	1	5	3	3	14
Beluga (*Delphinapterus leucas*)	11	27	45	29	56	168
Harbour Seal (*Phoca vitulina*)				2	1	3
Harp Seal (*Pagophilus groenlandicus*)				5		5
Narwhal (*Monodon monoceros*)		5	2	2	4	13
Ringed Seal (*Pusa hispida*)	25	22	29	47	29	152
Seal sp.				3	3	6
Walrus (*Odobenus rosmarus*)	3		2	4	2	11
Totals	**41**	**55**	**83**	**95**	**98**	**372**

5.4.2 Beluga & Narwhal

Other marine mammal species harvested in 2025 included Beluga (*Delphinapterus leucas*; 56 individuals, compared to 29 in 2024) and Narwhal (*Monodon monoceros*; 4 in 2025, compared to 2 in 2024 and 2023) (Table 5.7). Belugas were primarily harvested in offshore areas around Marble Island and off Baker Foreland (Figure 5.15). Narwhal was not harvested within the HHS boundaries.

5.5 SHELLFISH

One participant reported harvesting 816 mussels in 2022, five participants reported harvesting 51 mussels in 2024, and two participants reported harvesting 440 mussels in 2025.


93°20'W
92°15'W
91°10'W
90°5'W
64°N
63°N
62°N
Area of Detail
Nunavut
Chesterfield Inlet
ᐃᒪᓗᓱᖅᓯᕐᓂᖅ
Igluligarrjuq
Meliadine
Mine
Rankin Inlet
ᑲᙵᖅᑎᖅ
Kangiqtiniq
Whale Cove
ᑎᑭᕋᕐᔪᐊᖅ
Tikirarjuaq
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
1
Total Bearded Seal Harvest
1
Total Seal Species Harvest
1
Total Harbour Seal Harvest
1
0 5 10 15 20
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 5.15
Total Number of Beluga, Walrus, and Seal Harvests Reported in the 2025 Rankin Inlet Hunter Harvest Study
Prepared for:
By:
Nunavut Environmental Consulting Ltd.
CASLYS CONSULTING
02/03/2026

SECTION 6 • CREEL SURVEY RESULTS

6.1 NUMBER OF FISHERMEN

The number of fishermen reporting successful fishing trips in 2025 was 44, which was the same as in 2024 and higher than in 2023 and 2022 (i.e., 33 and 27, respectively) (Table 6.1). As was the case in other years of the study, the highest numbers of fisherman reporting success in 2025 were in the May through August period.

Table 6.1: Number of Fisherman in Rankin Inlet who Recorded Fishing Success by Year (2021 to 2025) and Month in the Rankin Inlet Hunter Harvest Study.

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
2024	1	1	1	4	13	22	12	16	3	4	8	5
2025	2	1	0	3	17	23	13	16	4	3	6	3
Total	**4**	**3**	**2**	**15**	**68**	**80**	**51**	**60**	**19**	**13**	**22**	**12**

6.2 COMPOSITION OF CATCH

The most common fish species captured, Arctic Char, represented 80.2% of the total catch in 2025, compared to 92% in 2024, 93% in 2023, and 77% in 2022 (Table 6.2). Lake Trout (17.1%) 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. Additional species that were not the focus of this HHS but were captured at relatively low numbers included Arctic Cod (*Boreogadus saida*), Burbot (*Lota lota*), and Lumpfish (*Cyclopterus lumpus*) (Table 6.2).

6.3 DISTRIBUTION OF FISHING

Fishing trips, regardless of success rate, generally occurred close to the community of Rankin Inlet, in lakes and rivers west of the community up to Peter Lake, and in coastal areas between Whale Cove and Chesterfield Inlet (Figure 6.1). Fishing by Rankin Inlet participants occurred to a lesser extent in the Whale Cove area (Figure 6.1). A considerable number of study participants reported fish harvests close to the Meliadine Mine AWAR and within the Meliadine RSA (Figure 6.1). Participants reported the char harvest at the Diana River mouth as being high due to new trails, improved roads, and many new cabins, which are increasing the number of fishermen. Some concern has been raised by participants about the sustainability of this harvest, while others welcome the opportunity provide food for their families and connect more people with traditional fishing techniques.

Table 6.2: Total Number of Fish Caught from 2021 to 2025 in the Rankin Inlet Hunter Harvest Study.

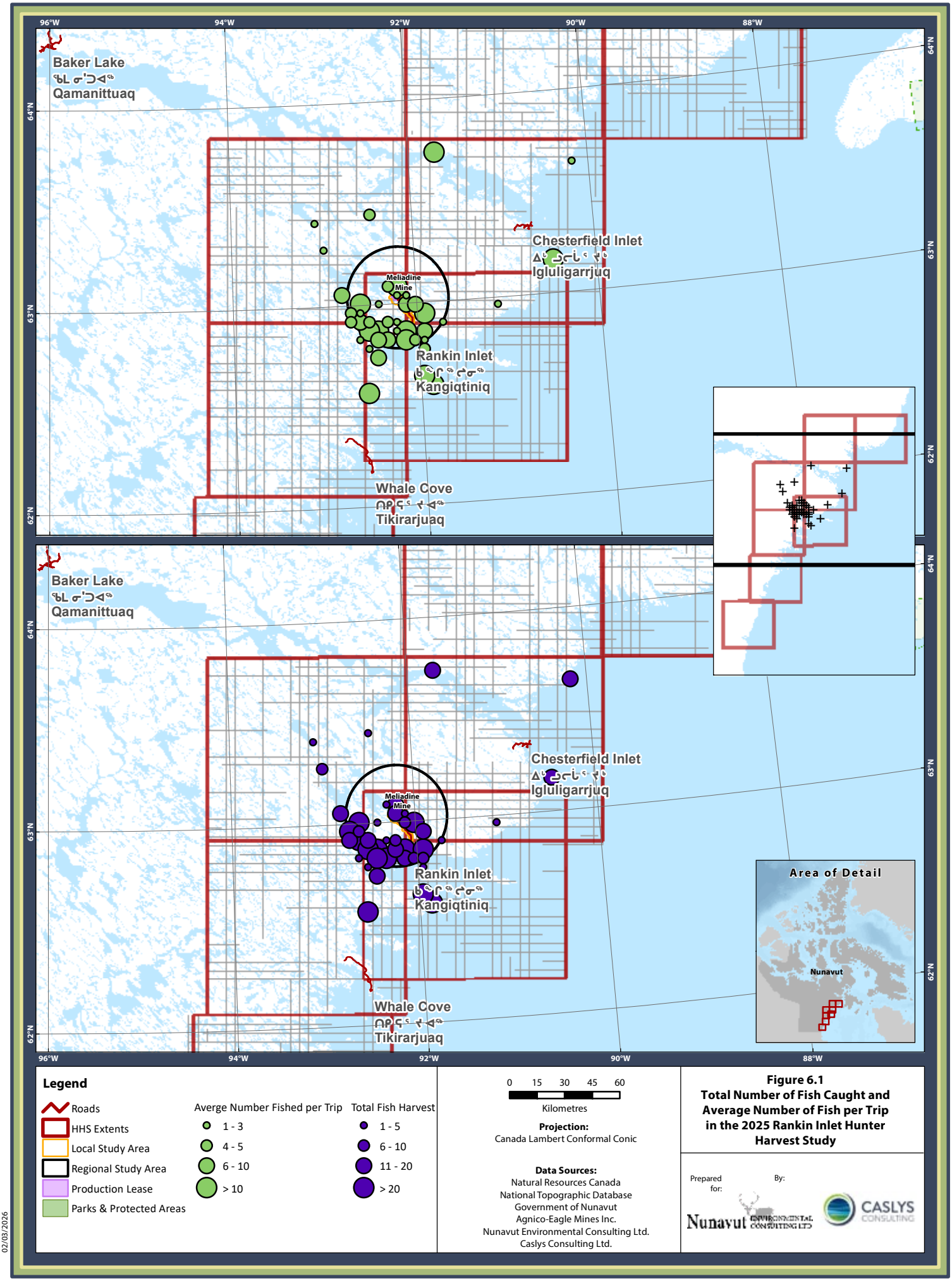
Species	2021	2022	2023	2024	2025	Total
Arctic Char (*Salvelinus alpinus*)	628	878	2,525	2,661	1,931	8,623
Arctic Cod (*Boreogadus saida*)	12	115	54	19	46	246
Arctic Grayling (*Thymallus arcticus*)	7	26	3	6	8	50
Burbot (*Lota lota*)	2		1		2	5
Fish sp.				4		4
Lake Trout (*Salvelinus namaycush*)	216	124	122	193	412	1,067
Lake Whitefish (*Coregonus clupeaformis*)	3	2	6	1		12
Lumpfish (*Cyclopterus lumpus*)					10	10
Totals	**868**	**1,145**	**2,711**	**2,884**	**2,409**	**10,017**

6.4 MAGNITUDE OF FISHING

The total number of fish harvested per fisherman in each month of 2025 was highest in July and August with moderate numbers in May and June (Figure 6.2). The higher numbers in August are similar to August numbers reported in other years of the study (Figure 6.2). In 2025, the most captured fish species, in order of abundance, were Arctic Char, Lake Trout, Lumpfish (*Cyclopterus lumpus*), Arctic Cod (*Boreogadus saida*), Arctic Grayling, and Burbot (*Lota lota*) (Table 6.2).

6.5 SEASONAL TIMING OF FISHING

In 2025, fishing periods with the most active fisherman was from May through August (Table 6.1) while the greatest number of fish caught was in July and August (Figure 6.2).



Legend

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

Averge Number Fished per Trip
- 1 - 3
- 4 - 5
- 6 - 10
- > 10

Total Fish 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 Fish Caught and Average Number of Fish per Trip in the 2025 Rankin Inlet Hunter Harvest Study

Prepared for:
Nunavut Environmental Consulting Ltd.

By:
CASLYS CONSULTING

02/03/2026

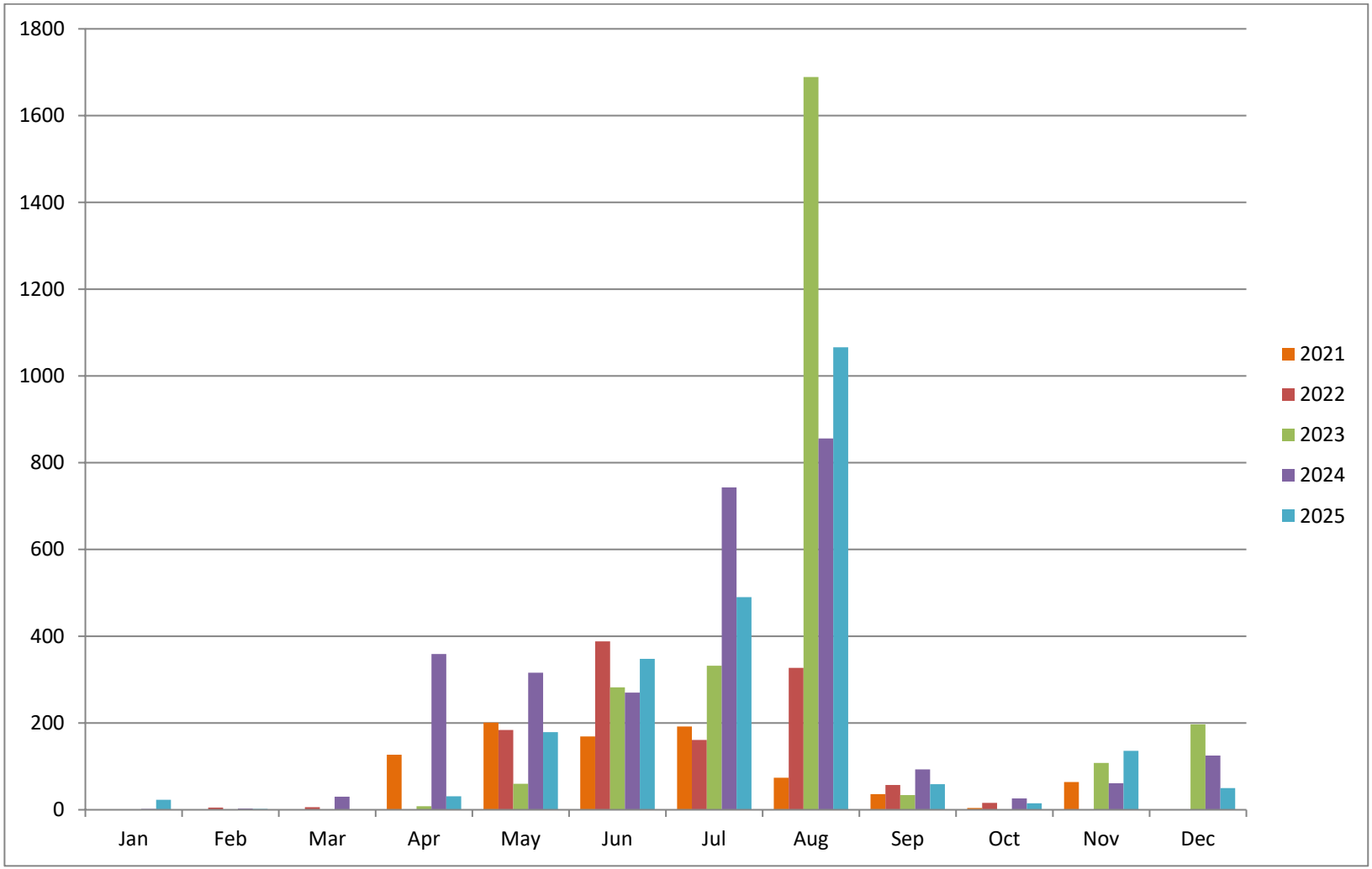


Figure 6.2: Total Number of Fish Caught by Month from 2021 to 2025 in the Rankin Inlet Hunter Harvest Study.

SECTION 7 • 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 general analysis of current and historical data (NWMB 2004) determined that the average number of Caribou harvested per participant has increased within the HHS boundaries, although this result is not as evident within the RSA. The increase in average harvest per participant does not necessarily indicate an increase in overall harvest rates. As a percentage, the total harvest within the RSA has not been more than 3% over baseline levels in any year since the HHS began. 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 Rankin Inlet HHS and NWMB HHS, 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; and
    - Hunting motivations – patterns in hunting for profit or providing for family and community may be different between the two time periods.

SECTION 8 • MANAGEMENT RECOMMENDATIONS

The Rankin Inlet HHS 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 2026 will be particularly important in maintaining contact, building relationships, expanding the study, collecting good harvest data, and determining a more accurate estimate of total active hunters in the community.

Furthermore, ongoing collaboration with the KHTO will ensure that the HHS program runs smoothly, incorporates local IQ and 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 2025, recruitment efforts resulted in new participants joining the study. Recruitment efforts should be ongoing to bring on other participants in 2026.

SECTION 9 • REFERENCES

Agnico Eagle Mines Ltd. 2025. Terrestrial Environment Management and Monitoring Plan. Version 5, 2025.

NWMB, Nunavut Wildlife Management Board. 2004. The Nunavut Wildlife Harvest Study. Prepared by Priest, H., Harvest Study Coordinator, NWMB and Usher, P. J., P.J. Usher Consulting Services.

APPENDIX A

2025 Rankin Inlet Hunter Harvest Study Calendar


2025
Rankin Inlet Harvest Study
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Paul Qablunaaq



Winston Ookowt

January | ᑕᖅᑭᓇᖅᓯᐊᕐᒃᑲ 2025

Rankin Inlet Harvest Study
ᑲᖏᖅᓱᓂᖅᑎᑦ ᒪᖅᐃᑕᐅᔨᓂᓪ ᖃᐅᔨᓴᐃᓂᖅᑲ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᓚᓂᓴᖅ	Tuesday ᑐᖅᓯᐊᖅᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖏᓴᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓇᖅ
December 2024 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	February 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28		**1** **New Year's Day**	**2**	**3**	**4**
5	**6**	**7**	**8**	**9**	**10**	**11**
12	**13**	**14**	**15**	**16**	**17**	**18**
19	**20**	**21**	**22**	**23**	**24**	**25**
26	**27**	**28**	**29**	**30**	**31**	


Daniel Aupilardjuk

February | ᐊᕐᓂᓂᕆᑲᒃ 2025

Rankin Inlet Harvest Study
ᑲᖏᖅᑕᓂᖅᑎᑦ ᓴᖅᐃᑕᐅᔨᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᓴᖅᓴᖅ	Tuesday ᑐᖅᓯᐊᖅᓯᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖏᓴᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓯᖅ
January 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	March 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27 28 29 30 31					1
2 Groundhog Day	3	4	5	6	7	8
9	10	11	12 Valentine's Day	13	14	15
16	17 Family Day	18	19	20	21	22
23	24	25	26	27	28	


Neil Ammaklak

March | ᓇᓯᑎᐊᓯ 2025

Rankin Inlet Harvest Study
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Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᖅ	Tuesday ᑐᒃᓯᐊᖅᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖏᓴᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓇᖅ
February 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	April 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30					1
2	3	4	5 Ash Wednesday	6	7	8
9 Daylight Savings Time Starts	10	11	12	13	14	15
16	17 St. Patrick's Day	18	19	20 First Day of Spring	21	22
23	24	25	26	27	28	29
30	31					



Tommy Makkigak

April | ᑎᓇᓵᐃᐦ 2025

Rankin Inlet Harvest Study
ᑲᖏᖅᓯᓂᖅᑎᑦ ᒪᖅᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᖅ	Tuesday ᑐᖅᓯᐊᖅᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖏᒃᔨᐊᐦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓇᖅ
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18 Good Friday	19
20 Easter Sunday	21 Easter Monday	22 Earth Day	23	24	25	26
27	28	29	30			

March 2025

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

May 2025

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31


Corey Samok

May | ᓄᖅᖃᐃᑦ 2025

Rankin Inlet Harvest Study
ᑲᖏᖅᓯᓂᖅᑎᑦ ᒪᖅᐃᑕᐅᔨᓂᒃ ᖃᐅᔨᓴᓇᐃᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᖅ	Tuesday ᑐᖅᓯᐊᖅᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖏᒻᓴᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓇᖅ
April 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	June 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30			1	2	3
4	5	6	7	8	9	10
11 Mother's Day	12	13	14	15	16	17
18	19 Victoria Day	20	21	22	23	24
25	26	27	28	29	30	31



Dylan White

June | ᒪᐅᓂᑦ 2025

Rankin Inlet Harvest Study
ᑲᖏᕆᓪᓕᒥᒃ ᒪᖁᐃᑕᐅᔪᓂᒃ ᖁᑐᐊᕐᓇᐃᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᕐᖁᖅ	Tuesday ᑐᐳᔪᖁᖏᓇᖅ ᔪᑲᓕᖅ	Wednesday ᐱᖓᓱᐊᑦ	Thursday ᔪᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖏᓇᖅ
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15 Father's Day	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

May 2025

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

July 2025

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		



Dylan White

July | ᐊᖏᑕᑦ 2025

Rankin Inlet Harvest Study
ᑲᖏᕆᒃᑕᓂᖅᑎᑦ ᒪᖅᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

Sunday ᓴᓇᕕᐃᓕ	Monday ᓴᓇᕕᐃᓕᐅᒪᓂᖅᓴᖅ	Tuesday ᑐᑭᓯᐊᖅᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖏᓪᓗᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓇᖅ
		1 Canada Day	2	3	4	5
6	7	8	9 Nunavut Day	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

June 2025

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

August 2025

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



Dylan White

August | ᐊᑯᑦᓪᓗᕈᓘᐃᑲ 2025

Rankin Inlet Harvest Study
ᑲᖏᖅᓯᓂᖅᑎᑦ ᒪᖅᐃᑕᐅᔨᓂᑲ ᖃᐅᔨᓴᐃᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᖅ	Tuesday ᑐᑭᓯᐊᖅᓯᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖏᒃᓴᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓯᖅ
July 2025 S M T W T F S 1 2 3 4 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	September 2025 S M T W T F S 1 2 3 4 5 6 7 8 90 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				**1**	**2**
3	**4** Civic Holiday	**5**	**6**	**7**	**8**	**9**
10	**11**	**12**	**13**	**14**	**15**	**16**
17	**18**	**19**	**20**	**21**	**22**	**23**
24	**25**	**26**	**27**	**28**	**29**	**30**
31						



Dylan White

September | ᐊᒥᖏᐃᔾᖏᓐᓄᑦ 2025

Rankin Inlet Harvest Study
ᑲᖏᕐᓂᔪᓂᖏᑦ ᒪᖏᐃᑕᐅᔨᓂᒃ ᖃᐅᐳᓴᐃᓂᖅᖢᑦ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᖏᓐᓄᑦ	Tuesday ᑐᑭᓯᐊᖏᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖓᓱᐊᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖏᓇᖅ
	1 Labour Day	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22 First Day of Autumn	23	24	25	26	27
28	29	30 Nattional Day for Truth and Reconciliation				

August 2025

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

October 2025

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	


Tommy Makkigak

October | ᐅᑭᐅᓪᓕ 2025

Rankin Inlet Harvest Study
ᑲᖏᖅᓯᓂᖅᑎᑦ ᒪᖅᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᖅ	Tuesday ᑐᒃᓯᐊᖅᓯᖅ ᓯᓚᓕᖅ	Wednesday ᐱᖓᒪᔪᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓯᖅ
September 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	November 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		1	2	3	4
5	6	7	8	9	10	11
12	13 Thanksgiving Day	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31 Halloween	


Alex Pissuk

November | ᑲᑕᑎᓪᓚᕆᐅᒃ 2025

Rankin Inlet Harvest Study
ᑲᖏᖅᓯᓂᖅᑎᑦ ᓴᖅᐃᑕᐅᔪᓂᒃ ᖃᐅᔨᓴᐃᓂᖅᖢᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᓴᐃᖅᖢᖅ	Tuesday ᑐᒃᓯᐊᖅᓇᖅ ᓯᑲᓕᖅ	Wednesday ᐱᖓᓱᐊᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓇᖅ
October 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	December 2025 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1
2 Daylight Savings Time Ends	3	4	5	6	7	8
9	10	11 Remembrance Day	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						



Dylan White

December | ᐊᑲᓯᓪᓚᖅ 2025

Rankin Inlet Harvest Study
ᑲᖏᕐᓂᓂᕆᑦ ᒪᖃᐃᑕᐅᓯᒃ ᖃᐅᔨᓴᐃᓂᖅ

Sunday ᓴᓇᑕᐃᓕ	Monday ᓴᓇᑕᐃᓕᐅᒪᓂᖅ	Tuesday ᑐᑭᓯᐊᖅᓯᖅ ᓯᕗᓕᖅ	Wednesday ᐱᖏᓇᐊᑦ	Thursday ᓯᑕᒪᑦ	Friday ᑕᓕᒪᑦ	Saturday ᓂᖅᐃᑐᖅᓯᖅ
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21 First day of Winter	22	23	24	25 Christmas Day	26 Boxing Day	27
28	29	30	31			

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

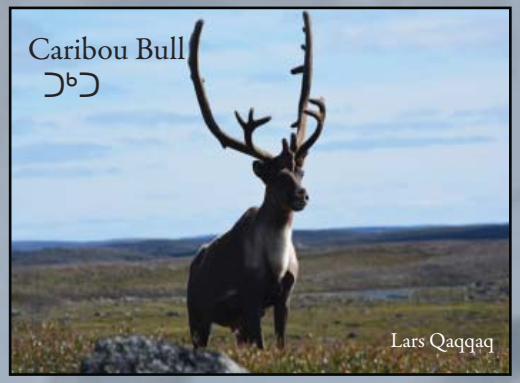
November 2025

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						

January 2026

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

Wildlife and Fish Species of Interest















Martin Gebauer

Wildlife and Fish Species of Interest









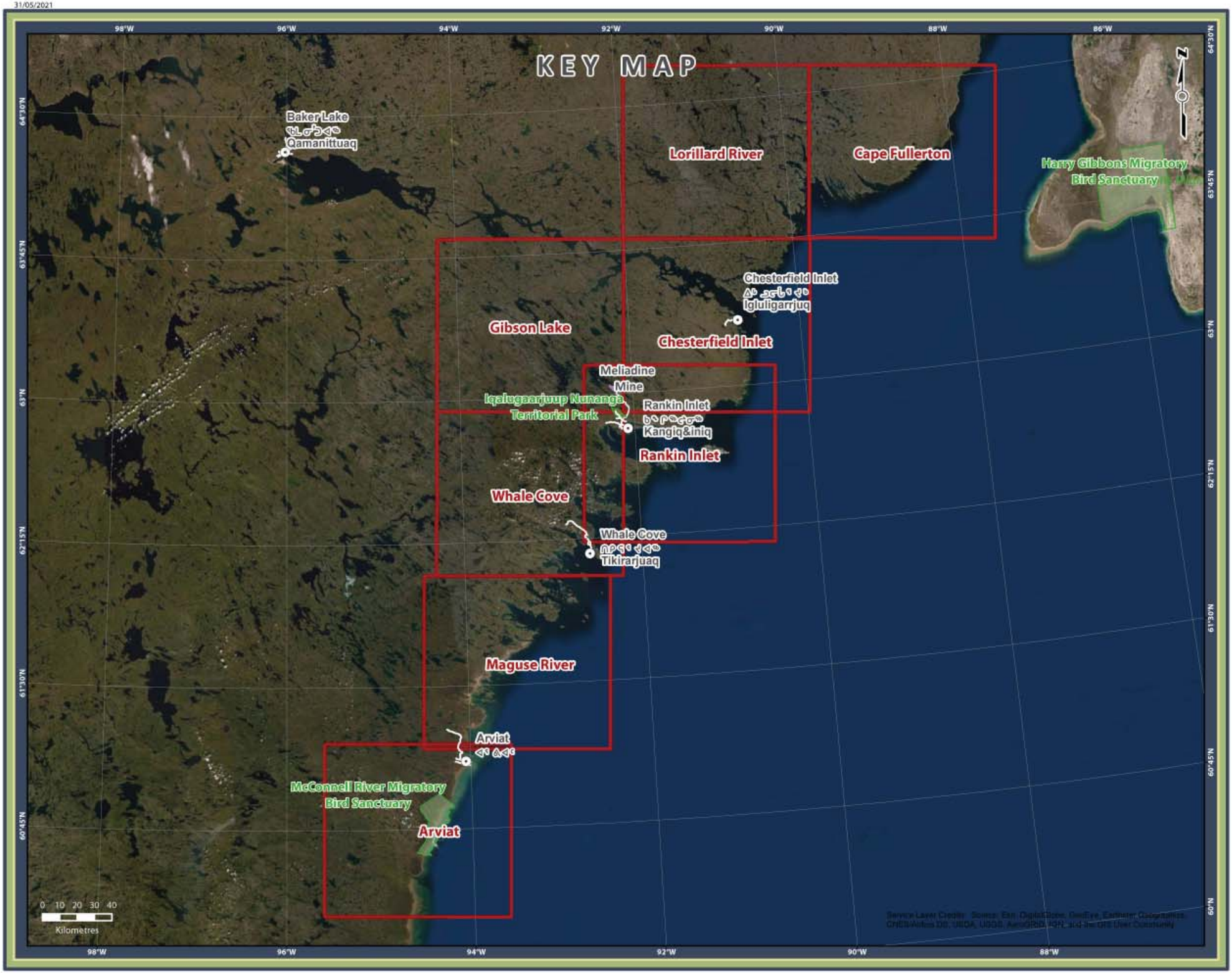




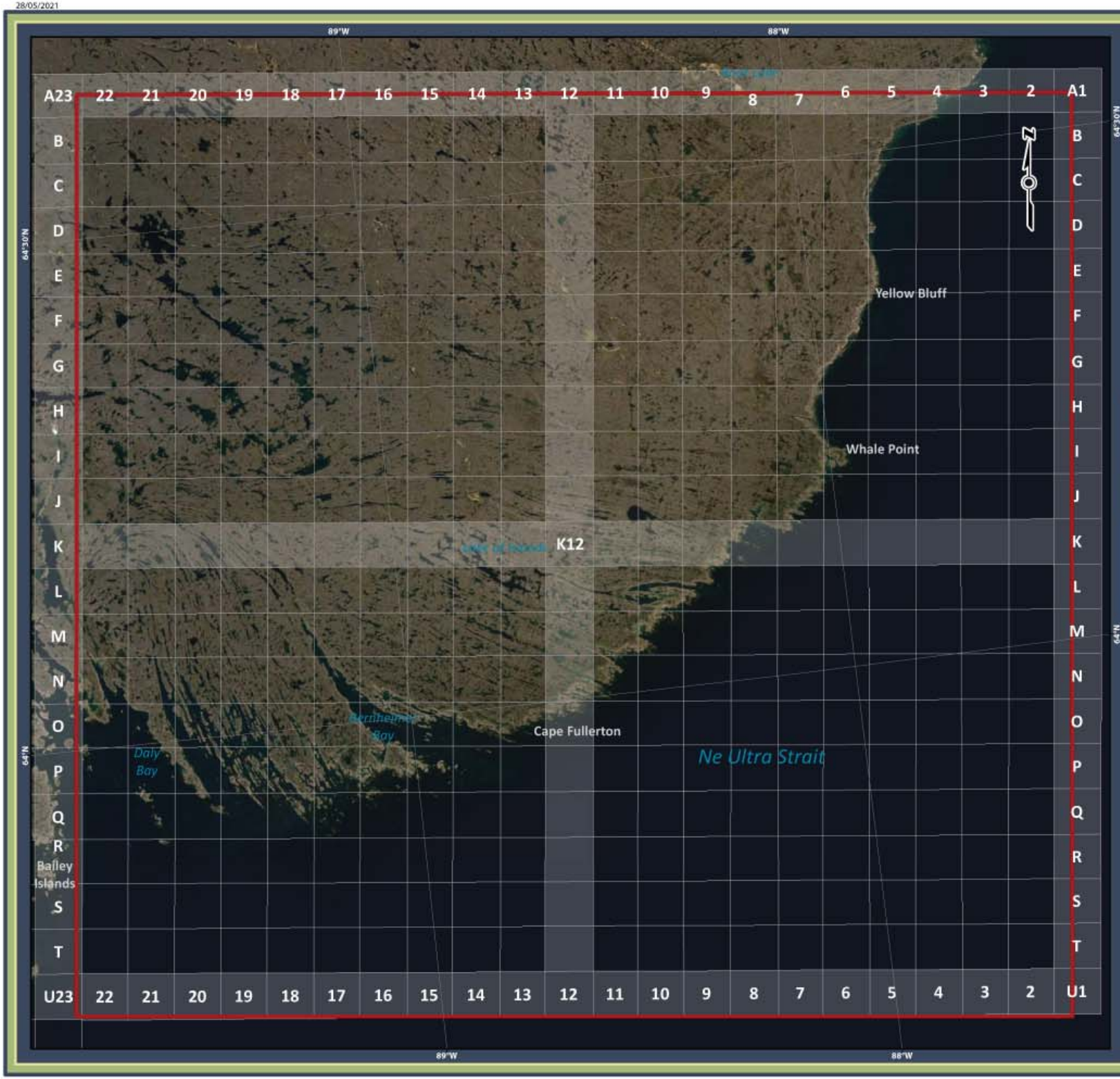


Martin Gebauer

31/05/2021

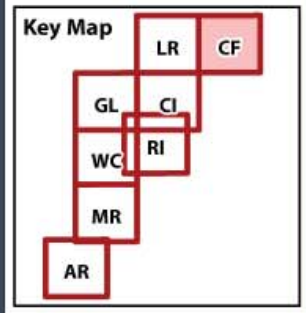

KEY MAP
Baker Lake
ᑲᒪᓂᑐᐊᖅ
Qamanittuaq
Lorillard River
Cape Fullerton
Harry Gibbons Migratory Bird Sanctuary
Chesterfield Inlet
ᐃᒡ ᓯᓚᐃᓪᓗᒃ
Igluligarrjuq
Gibson Lake
Chesterfield Inlet
Meliadine Mine
Iqalugaarjuup Nunanga Territorial Park
Rankin Inlet
ᑲᙵᖅᓯᒪᒃ
Kangiq&iniq
Rankin Inlet
Whale Cove
Whale Cove
ᑎᑭᕐᓯᐊᒃ
Tikirarjuaq
Maguse River
Arviat
ᐊᕐᕕᐊᑦ
McConnell River Migratory Bird Sanctuary
Arviat
0 10 20 30 40
Kilometres
98°W
96°W
94°W
92°W
90°W
88°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





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:

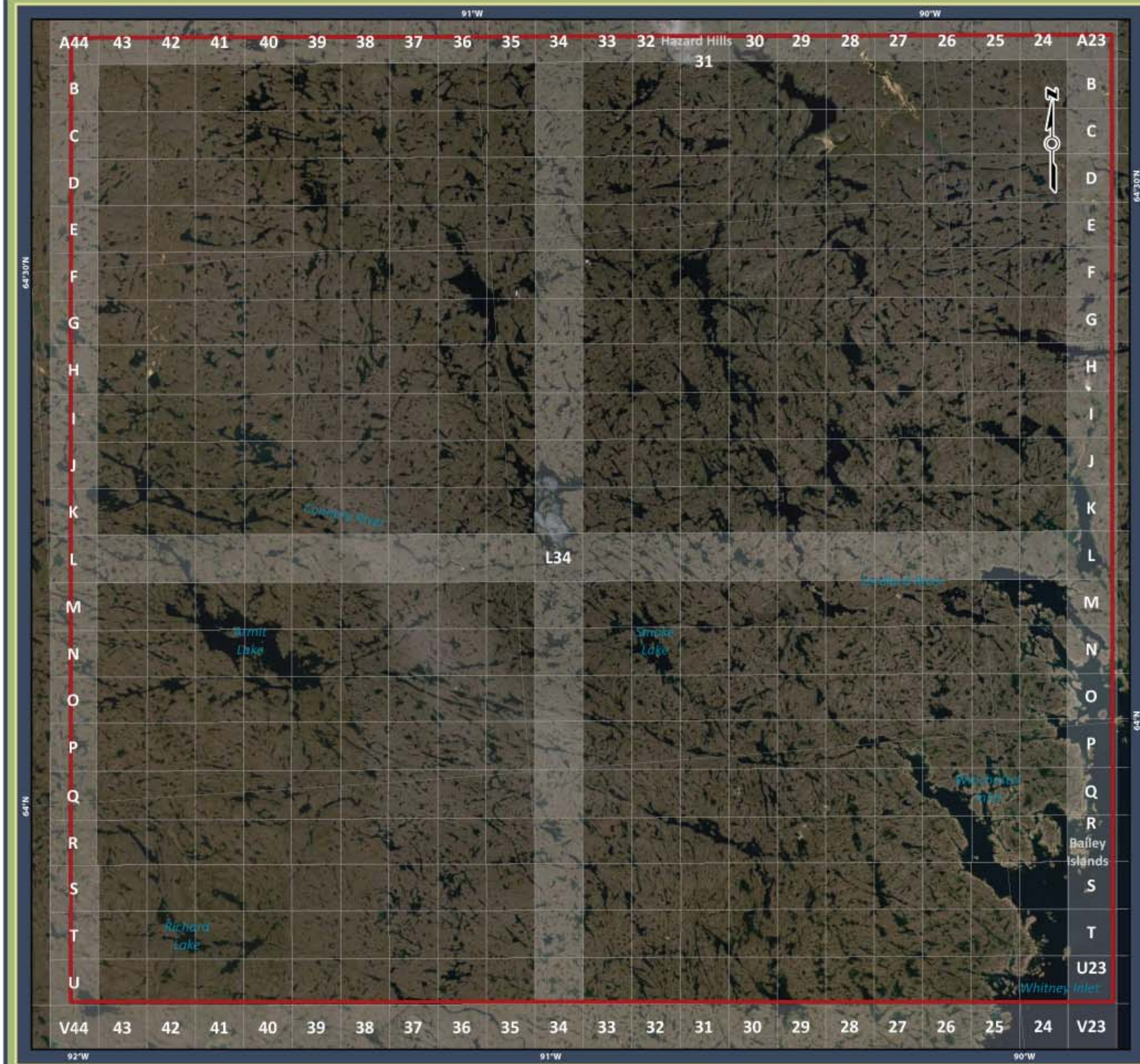
AGNICO-EAGLE

By:

Nunavut Environmental Consulting Ltd

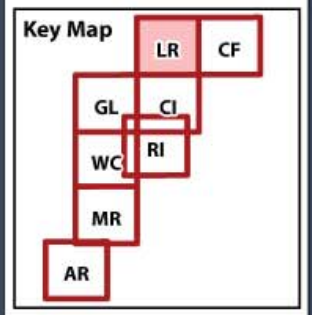
CASLYS CONSULTING

28/05/2021



Rankin Inlet Harvest Study

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:

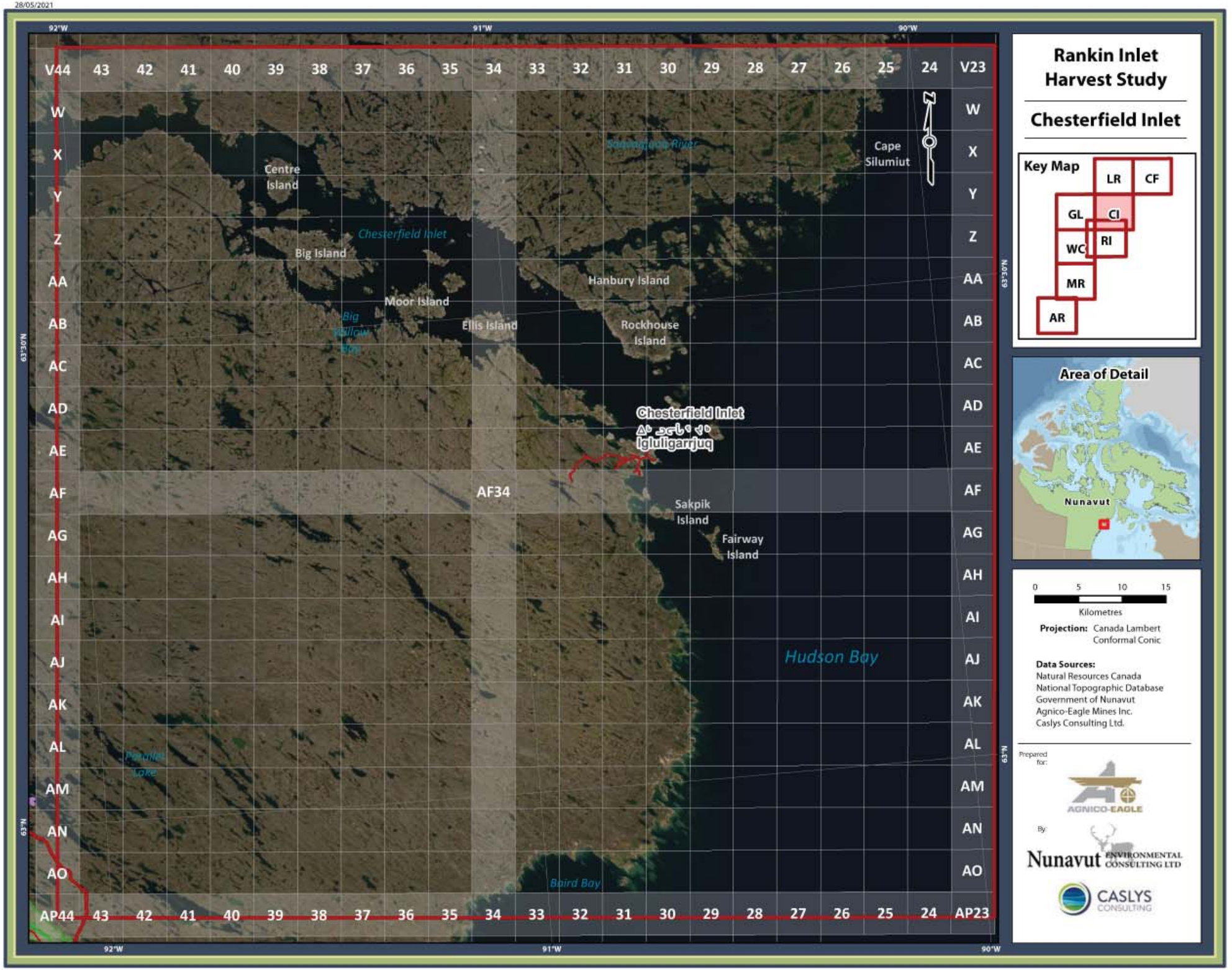
AGNICO-EAGLE

By:

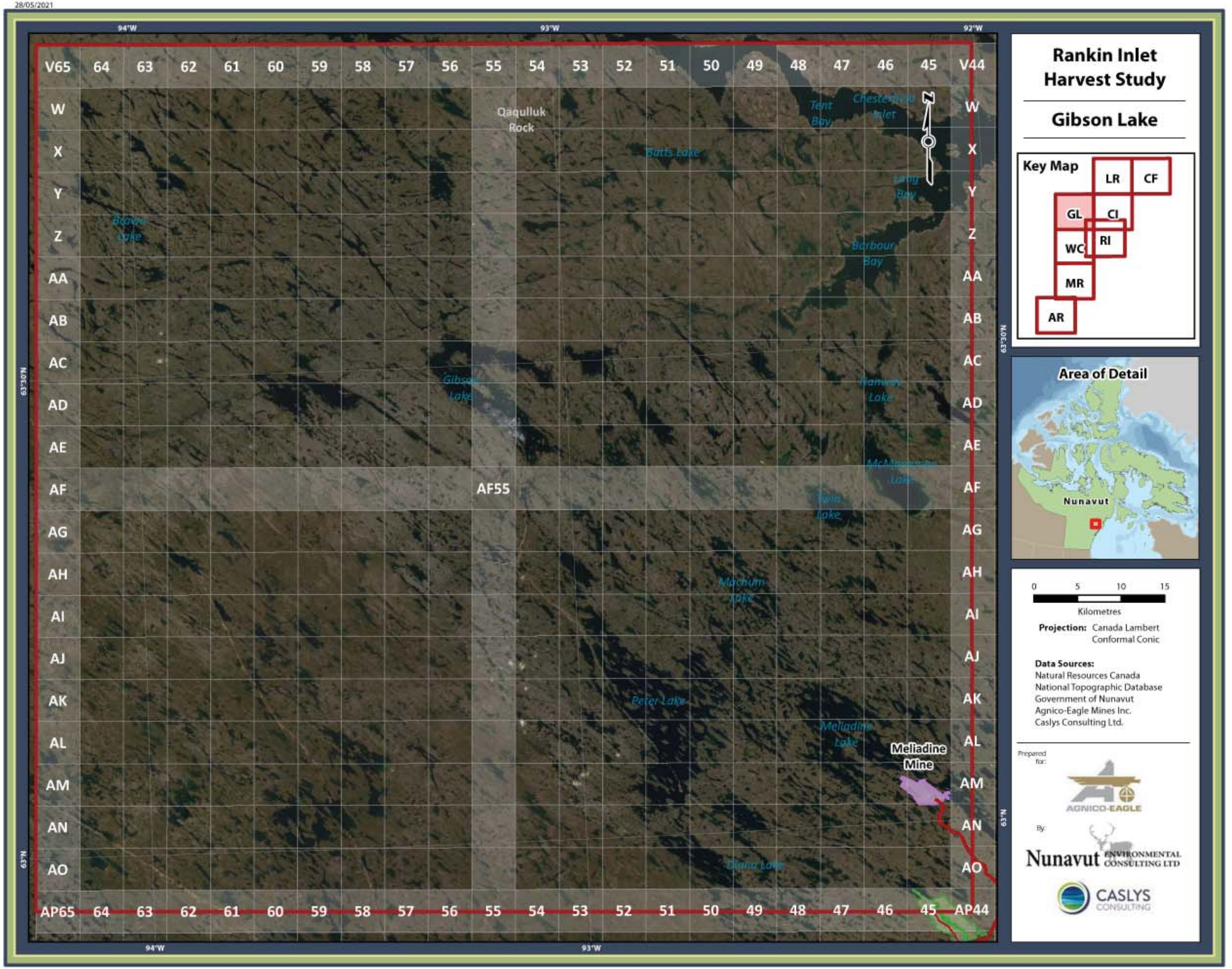
Nunavut Environmental Consulting Ltd

CASLYS CONSULTING

28/05/2021


92°W
91°W
90°W
V44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 V23
W
X
Y
Z
AA
AB
AC
AD
AE
AF
AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 AP23
AF34
63°30'N
63°N
Centre Island
Chesterfield Inlet
Big Island
Cape Silumiut
Hanbury Island
Moor Island
Big Willow Bay
Ellis Island
Rockhouse Island
Chesterfield Inlet
ᐃᓗᓕᒋᐊᕐᒥᐅᖅ
Igluligarrjuq
Sakpik Island
Fairway Island
Hudson Bay
Baird Bay
Rankin Inlet
Harvest Study
Chesterfield Inlet
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

28/05/2021



Rankin Inlet Harvest Study

Gibson Lake

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:

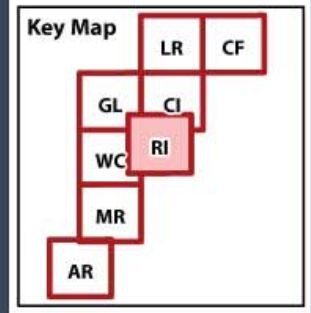
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Rankin Inlet Harvest Study

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:

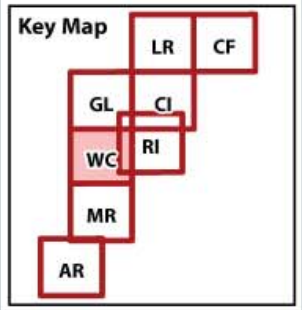
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Rankin Inlet Harvest Study

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

94°W 93°W 62°55'N 62°30'N 62°5'N

AP65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 AP44

AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH

AY55

BI65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 BI44

Diana Lake

Barrier Islands

Derby Lake

Corbett Inlet

Gill Lake

Pork Peninsula

Munro Lake

Helen Lake

Pistol Bay

Lost Lake

Whale Cove
ᐱᑭᒃᓴᐅᒃ
Tikirarjuaq

Mistake Bay

Term Point

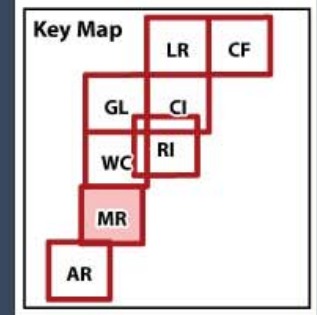
Morso Islands

Hudson Bay

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

94°W 93°W 62°N 61°30'N

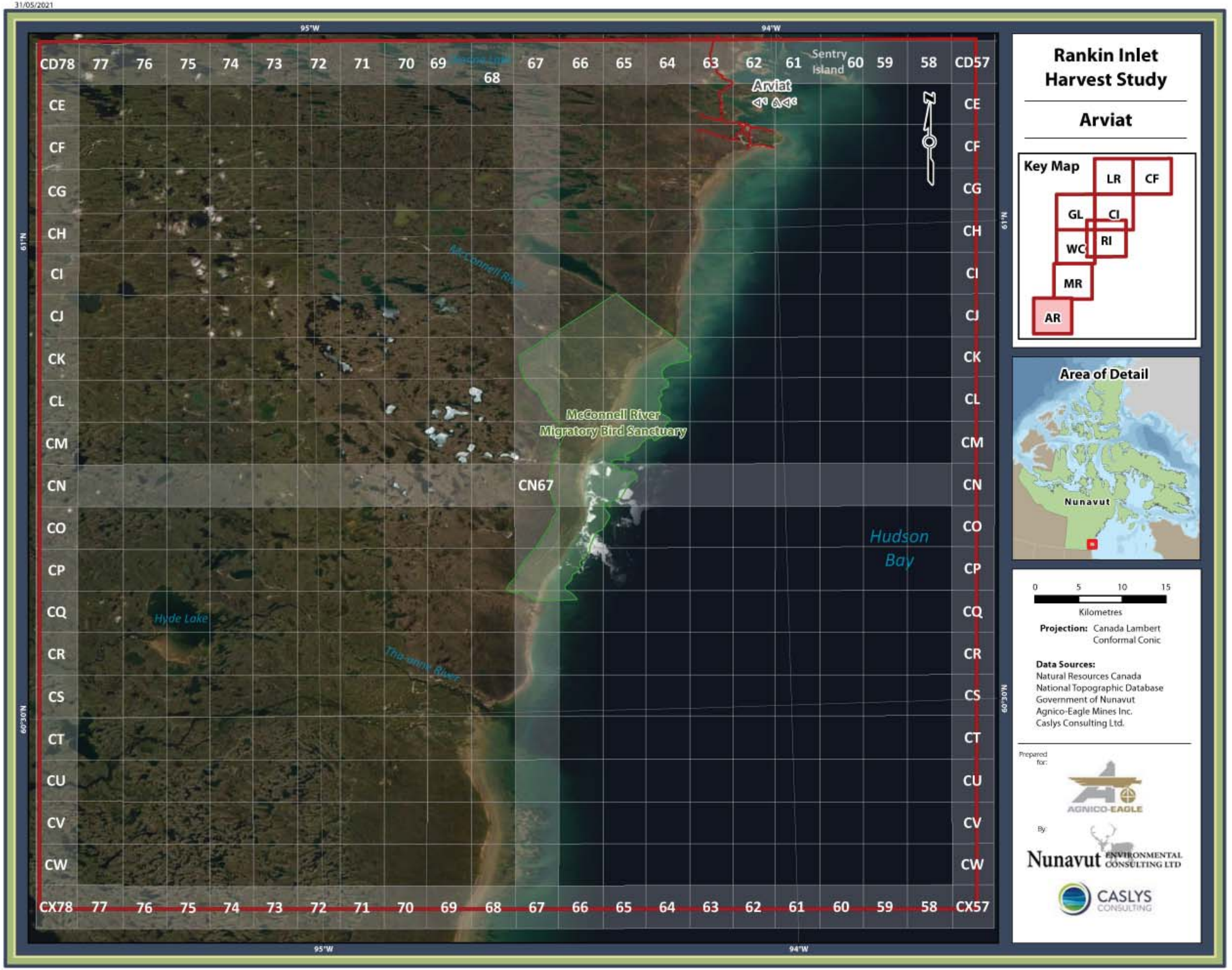
BJ67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 BJ46

BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC

CD67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 CD46

Morso Islands
Flattop Island
Walrus Island
Alder Lake
Nevill Bay
Dawson Inlet
Airartuuq Island
Sandy Point
BS57
Hudson Bay
Maguse River
Austin Island
Maguse Point
Sentry Island

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 2025 visit.

Each participant will receive a gift (e.g., gas voucher) expressing our thanks, and additional prizes will be provided in January 2025 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.

ᖃᓄᖅ ᐊᑐᕆᐊᖃᖅᖁᓂᖅᖃᑦ ᑲᖏᖅᑕᓂᖅᓯᒪᑦ ᓴᖅᑭᖅᓯᓂᖅᑐᑦ ᓯᕗᓪᓕᖅᑎᓪᓗᒍ

ᐊᒡᓗᑯᒃ ᐅᓴᖃᖅᑕᕆᐊᑦ ᓕᒥᑎᑦ (ᐊᒡᓗᑯᒃᑯᑦ), ᐱᓕᕆᖃᕐᑎᑐᓂᑦ ᑲᑭᖅᑕᓂᖅᓯᒪᑦ ᐅᒪᔨᓕᕆᔨᒋᑯᑦ, ᑐᑭᓯᐊᓕᕐᒥᒪᔨᑦ ᑲᑭᖅᑕᓂᖅᓯᒥᐅᑕᓄᑦ ᐊᑐᖅᑕᐅᖃᖅᑕᖅᑐᓂᒃ ᒪᖃᑲᐃᓐᓂᖅᓯᒪᓪᓗᒍ. ᐱᓕᐊᖅᑐᒥᑦ, ᑐᑭᓯᐊᓕᕐᒥᒪᔪᐅᑦ ᑕᓯᔨᐊᒥᑦ ᐱᓕᕆᔨᖅ ᐊᒻᒪᓕᒃ ᐅᑭᐅᓕᒃᑕᑦ ᐊᑦᑯᓂᑎ, ᐅᐊᖏᓐᓇᓂᑦ ᑲᖏᖅᑕᓂᖅᓯᐅᑦ, ᐱᔪᓂᖃᖅᑐᐃᓐᓇᓕᐊᖃᖅᓯᒪᑦ ᐱᖅᑯᓯᒃᑯᑦ ᒪᖃᑲᐃᓐᓂᖅᓯᒪᓪᓗᒍ ᐊᑐᖅᑕᐅᖃᖅᑕᖅᑐᓂᒃ. ᐱᖅᑯᓯᒃᑯᑦ ᒪᖃᑲᐃᓐᓂᖅ ᐊᒻᒪᓕᒃ ᐃᖃᓗᕐᓂᑐᒃᑯᑦ ᐊᐅᖓᑕᑐᒃᑯᑦ, ᐊᖅᑭᒃᑯᓯᓪᓕᐅᕐᓂᖅᑐᑦ ᐅᓪᓗᖅᑭᐅᑦᑐᒃ ᐃᓕᐅᖅᑕᐅᔨᑦ ᑎᑎᕋᕐᑏᓂᕐᒪᑐᒃ ᐃᓕᓴᕐᓂᖅᓯᒪᓪᓗᒍ ᐊᑐᖅᑕᐅᖃᖅᑕᖅᑐᓂᒃ. ᐱᓕᕆᔨᒋᑦ ᐅᓪᓗᖅᑭᐅᑦᑐᒃ ᐊᑐᖅᑕᐅᖃᖅᑕᖅᑐᓂᒃ ᐊᑐᖅᑕᐅᖃᖅᑕᖅᑐᓂᒃ ᐱᓕᕆᔨᒋᑦ ᐅᓪᓗᖅᑭᐅᑦᑐᒃ ᐃᓕᓴᕐᓂᖅᓯᒪᓪᓗᒍ ᐊᑐᖅᑕᐅᖃᖅᑕᖅᑐᓂᒃ ᐊᑐᖅᑕᐅᖃᖅᑕᖅᑐᓂᒃ ᐱᓕᕆᔨᒋᑦ ᐅᓪᓗᖅᑭᐅᑦᑐᒃ ᐃᓕᓴᕐᓂᖅᓯᒪᓪᓗᒍ

Produced By:







and





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