

Appendix 55

Marine mammal and seabirds observer (MMSO)



NUQSANA GOLDER
ENGINEERING AND ENVIRONMENTAL INC.

REPORT

Marine Mammal and Seabird Observer (MMSO) Report 2018 Shipping Season

Amaruq - Whale Tail, Baker Lake, Nunavut

Submitted to:

Agnico Eagle Mines Limited

Submitted by:

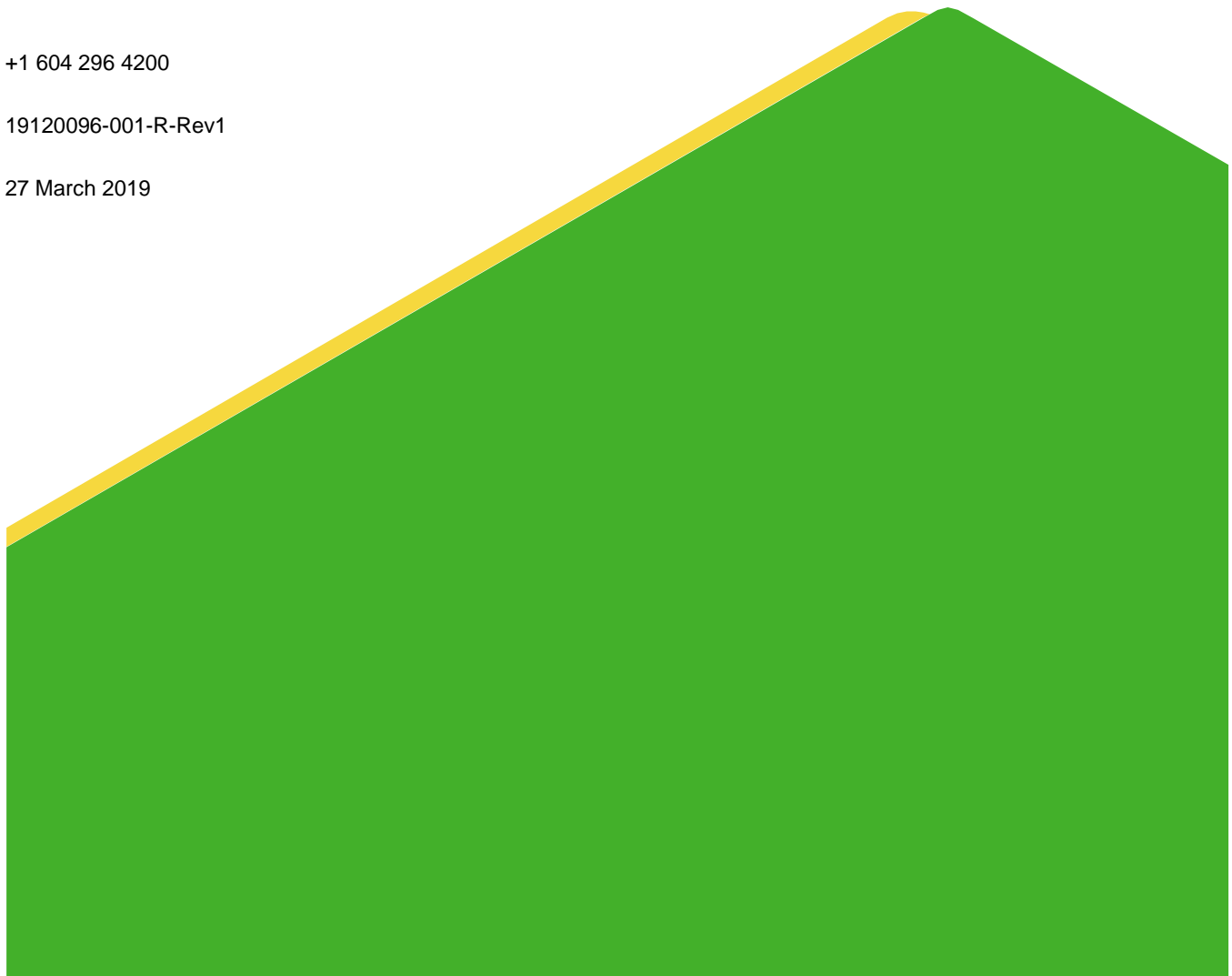
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Distribution List

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Executive Summary

Agnico Eagle Mines Limited (Agnico Eagle) – Meadowbank Division operates the Meadowbank Mine and Amaruq - Whale Tail Pit (the Project). A total of approximately 60,000 tonnes of dry cargo and 66.8 million litres of diesel fuel are required annually for the operations of the Project. To meet these needs, a total of three to eight vessels annually deliver dry goods, and two to three tankers annually deliver diesel fuel for the Project. Shipping is to be carried out during the open water season (typically from July to late October) and follow recommended shipping routes that are presently in use for the annual sea lift to Chesterfield Inlet, Baker Lake and other communities. The shipping route extends through Hudson Strait and across Hudson Bay to Chesterfield Inlet and the Hamlet of Baker Lake (Figure 1).

The Mine's Shipping Management Plan (SMP) outlines a Marine Mammal and Seabird Observer (MMSO) program that is to be implemented by Project shipping contractors. The purpose of the MMSO program is to mitigate interactions between marine mammals and seabirds and Project vessels and to collect information on marine wildlife presence along the shipping route.

This report presents a summary of the MMSO data collected by Transport Desgagnés and by local community members onboard Transport Desgagnés vessels during the 2018 MMSO program to provide information to support Agnico Eagle's 2018 annual report to the Nunavut Impact Review Board (NIRB). It is assumed that the 2018 MMSO programs were conducted in accordance with the methods outlined in the SMP (Agnico Eagle 2018).

Environmental conditions were recorded for weather, visibility, sea state, glare and ice conditions and were variable throughout the 2018 MMSO program. In general, weather was predominantly < 50% cloud cover with no fog, rain, or snow, with an average visibility of 26 km, sea states of 4 (1.2 to 2.4 m waves, moderate waves, some spray), and no glare (rated as 0 = none).

Marine mammal observations were completed between 22 July to 21 September 2018. Dedicated marine mammal observer effort recorded on the MMSO datasheets included 29 hours and approximately 1,155 km. No marine mammal sightings or marine mammal-vessel interactions (e.g., strikes) were recorded in 2018.

Seabird monitoring was conducted for 26 days between 30 June and 23 October 2018. A total of 738 individual seabirds were observed during seabird survey. A total of 15 identified and 4 unidentified seabird species were recorded. Dedicated seabird monitoring effort recorded on the MMSO datasheets was approximately 1,834 km over 102.5 hours during moving platform surveys. Thick-billed murre's were the most abundant seabird observed. Two ivory gulls listed as Endangered on Schedule 1 of the *Species at Risk Act* (SARA; Government of Canada 2019), were observed. No interactions between vessels and seabirds were recorded during the MMSO program in or 2018.

Study Limitations

Nuqsana Golder Engineering and Environmental Consulting Inc. (Nuqsana Golder) has prepared this Marine Mammal and Seabird Observer (MMSO) Report for the 2018 Shipping Season for Agnico Eagle Mines Limited (Agnico Eagle), Meadowbank Division in Baker Lake, Nunavut.

This report was prepared, based on information obtained from Transport Desgagnés and local community members through Agnico Eagle. In preparing the report, Nuqsana Golder has relied in good faith on 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 in this report have been prepared for the specific application to this Project and have been developed in a manner consistent with the 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.

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Table A-1: Seabird Sightings and Environmental Variables Recorded during 2018 MMSO Program

Table A-2: Marine Mammal Sightings and Environmental Variables Recorded during 2018 MMSO Program

Table A-3: Incidental Wildlife Sightings Recorded during 2018 MMSO Program

APPENDIX B: MMSO datasheets for the 2018 MMSO program

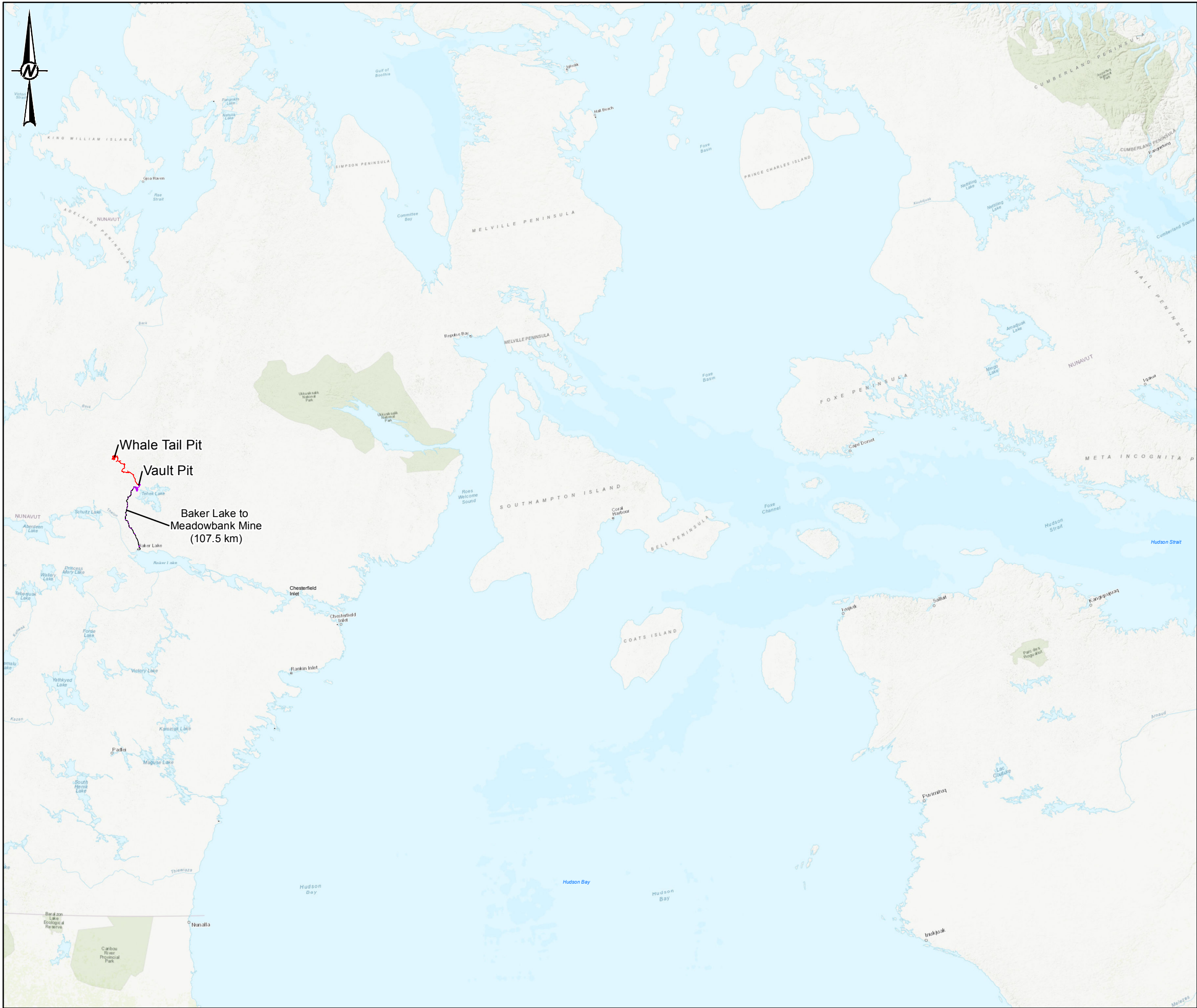
1.0 INTRODUCTION

Agnico Eagle Mines Limited (Agnico Eagle) – Meadowbank Division operates the Meadowbank Mine and Amaruq-Whale Tail Pit (the Project). A total of approximately 60,000 tonnes of dry cargo and 66.8 million litres of diesel fuel are required annually for the operations of the Project (Figure 1). To meet these needs, a total of three to eight vessels annually deliver dry goods, and two to three tankers annually deliver diesel fuel for the Project. Shipping is to be carried out during the open water season (typically from July to late October) and follow recommended shipping routes that are presently in use for the annual sea lift to Chesterfield Inlet, Baker Lake and other communities. The shipping route extends through Hudson Strait and across Hudson Bay to Chesterfield Inlet and the Hamlet of Baker Lake Figure 2.

The Mine's Shipping Management Plan (SMP) outlines a Marine Mammal and Seabird Observer (MMSO) program that is to be implemented by Project shipping contractors. The purpose of the MMSO program is to mitigate interactions between marine mammals and seabirds and Project vessels and to collect information on marine wildlife presence along the shipping route.

This report presents a summary of the MMSO data collected by Transport Desgagnés and by local community members onboard Transport Desgagnés vessels during the 2018 MMSO program to provide information to support Agnico Eagle's 2018 annual report to the Nunavut Impact Review Board (NIRB). It is assumed that the 2018 MMSO programs were conducted in accordance with the methods outlined in the SMP (Agnico Eagle 2018).

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LEGEND

- COMMUNITY
- ALL WEATHER ROAD
- WHOLE TAIL PIT
- MEADOWBANK OPERATION AND INFRASTRUCTURE
- WATERBODY


KEY MAP

REFERENCE(S)

- HAUL ROAD OBTAINED FROM AGNICO EAGLE MINES LIMITED.
- TOPOGRAPHIC MAP © ESRI AND ITS LICENSORS. USED UNDER LICENSE, ALL RIGHTS RESERVED.
- INSET MAP DATA OBTAINED FROM ESRI.

COORDINATE SYSTEM: CANADA LAMBERT CONFORMAL CONIC

CLIENT

 **AGNICO EAGLE MINES LIMITED**

PROJECT

AMARUQ – WHALE TAIL NUNAVUT

TITLE

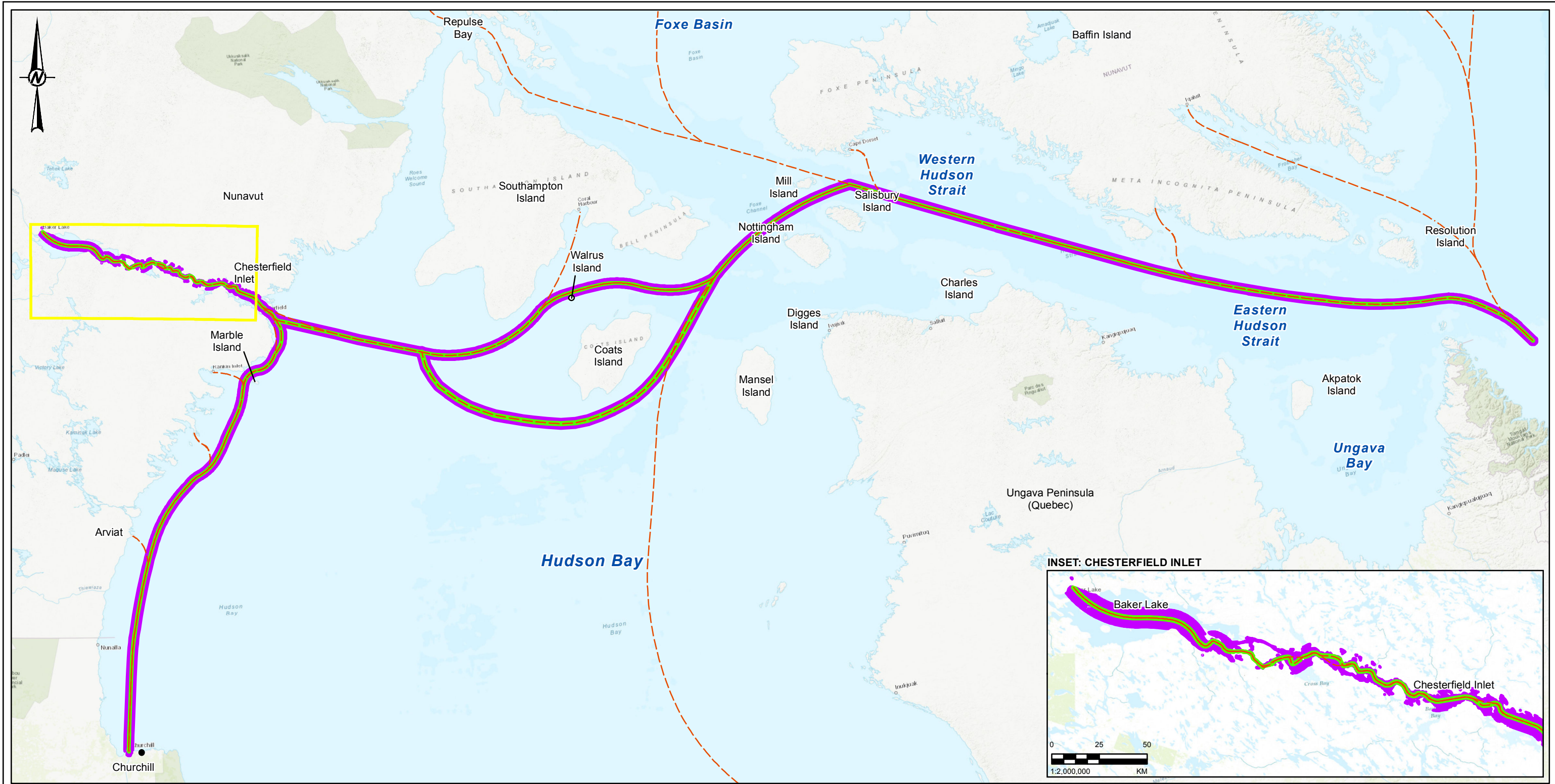
PROJECT LOCATION

| | | |
|------------|------------|------------|
| CONSULTANT | YYYY-MM-DD | 2019-03-26 |
| | DESIGNED | JR |
| | PREPARED | CDB |
| | REVIEWED | KZ |
| | APPROVED | IJ |

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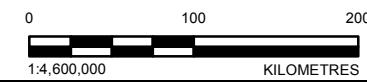


- LEGEND**
- SHIPPING ROUTE (APPROXIMATE)
 - LOCAL STUDY AREA (LSA)
 - REGIONAL STUDY AREA (RSA)
 - WATERBODY

- NOTES**
1. SPECIES LOCATIONS ARE ANNOTATED WITH THE SURVEY COUNT.
- REFERENCES**
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COORDINATE SYSTEM: NORTH AMERICA LAMBERT CONFORMAL CONIC

CLIENT
AGNICO EAGLE MINES LIMITED

CONSULTANT



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| YYYY-MM-DD | 2019-03-26 |
| DESIGNED | DC |
| PREPARED | CC/CDB |
| REVIEWED | KZ |
| APPROVED | IJ |

PROJECT
AMARUQ – WHALE TAIL NUNAVUT

TITLE
MARINE LOCAL STUDY AREA (LSA) AND REGIONAL STUDY AREA (RSA) FOR THE AMARUQ - WHALE TAIL PROJECT

| | | | |
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| PROJECT NO. | CONTROL | REV. | FIGURE |
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B 28mm

2.0 METHODS

Nuqsana Golder has assumed that the 2018 MMSO programs were conducted by Transport Desgagnés and local community members in accordance with the methods outlined in the SMP (Agnico Eagle 2018). MMSO data is summarized in Table A-1 presented in Appendix A and datasheets used by Transport Desgagnés and local community members and provided by Agnico Eagle are provided in Appendix B.

2.1 Observations

MMSO datasheets were reviewed and entered in to an electronic spreadsheet, which was subsequently queried for observation data. MMSO datasheets are provided in Appendix B. GPS coordinates recorded for survey transects were used to display corresponding seabird observations on Figure 3.

2.2 Temporal and Spatial Observation Effort

Temporal (hours) and spatial (km) marine mammal observation effort was defined as the effort dedicated to marine mammal observations as recorded on the MMSO datasheets (Appendix B). Marine mammal spatial effort was calculated as linear kilometres using GPS coordinates recorded at the start and end of each observation. Start and end times recorded on the MMSO datasheets were used to determine temporal effort (i.e., time spent completing marine mammal observations).

According to seabird protocols (Agnico Eagle 2018), surveys from moving and stationary platforms are completed in 5-minute intervals. The number of hours and kilometres dedicated to seabird observations were used as indices of temporal and spatial effort, respectively, for seabird observation. Spatial effort was calculated as linear kilometres using GPS coordinates recorded at the start and end of each 5-minute interval. Start and end times recorded on the MMSO datasheets (Appendix B) were used to determine temporal effort (i.e., time spent completing seabird surveys).

2.3 Environmental Variables

The environmental variables of ice cover (percent), wind speed and direction, sea state (Beaufort scale), weather (e.g., precipitation and cloud conditions), visibility, sun glare and sightability (combination of weather, glare, and sea state) were recorded on the MMSO datasheets (Appendix B) and were summarized as a percentages of observation effort.

3.0 RESULTS

3.1 Marine Mammals

This section summarizes the environmental conditions, observer effort, and marine mammal observations recorded by Transport Desgagnés during the 2018 MMSO program.

3.1.1 Marine Mammal Observations

Dedicated marine mammal observations were conducted from the Acadia Desgagnés and incidental observations from the Dara Desgagnés. Marine mammal observations were completed between 22 July to 21 September 2018. No marine mammal sightings or marine mammal-vessel interactions (e.g., strikes) were recorded in 2018. Data sheets for marine mammal monitoring are provided in Appendix B.

3.1.2 Survey Effort

Dedicated marine mammal observer effort included 29 hours and 1,155.7 km in 2018 onboard the Acadia Desgagnés. An additional 153 hours of incidental marine mammal observations were collected onboard the Dara Desgagnés (see Table A-3, Appendix A). Spatial effort could not be calculated for the incidental effort because start and end coordinates were not recorded.

3.2 Seabirds

This section summarizes the environmental conditions, observer effort, and seabird observations recorded by Transport Desgagnés and local community members during the 2018 MMSO program. Data sheets for seabird monitoring are provided in Appendix B.

3.2.1 Seabird Observations

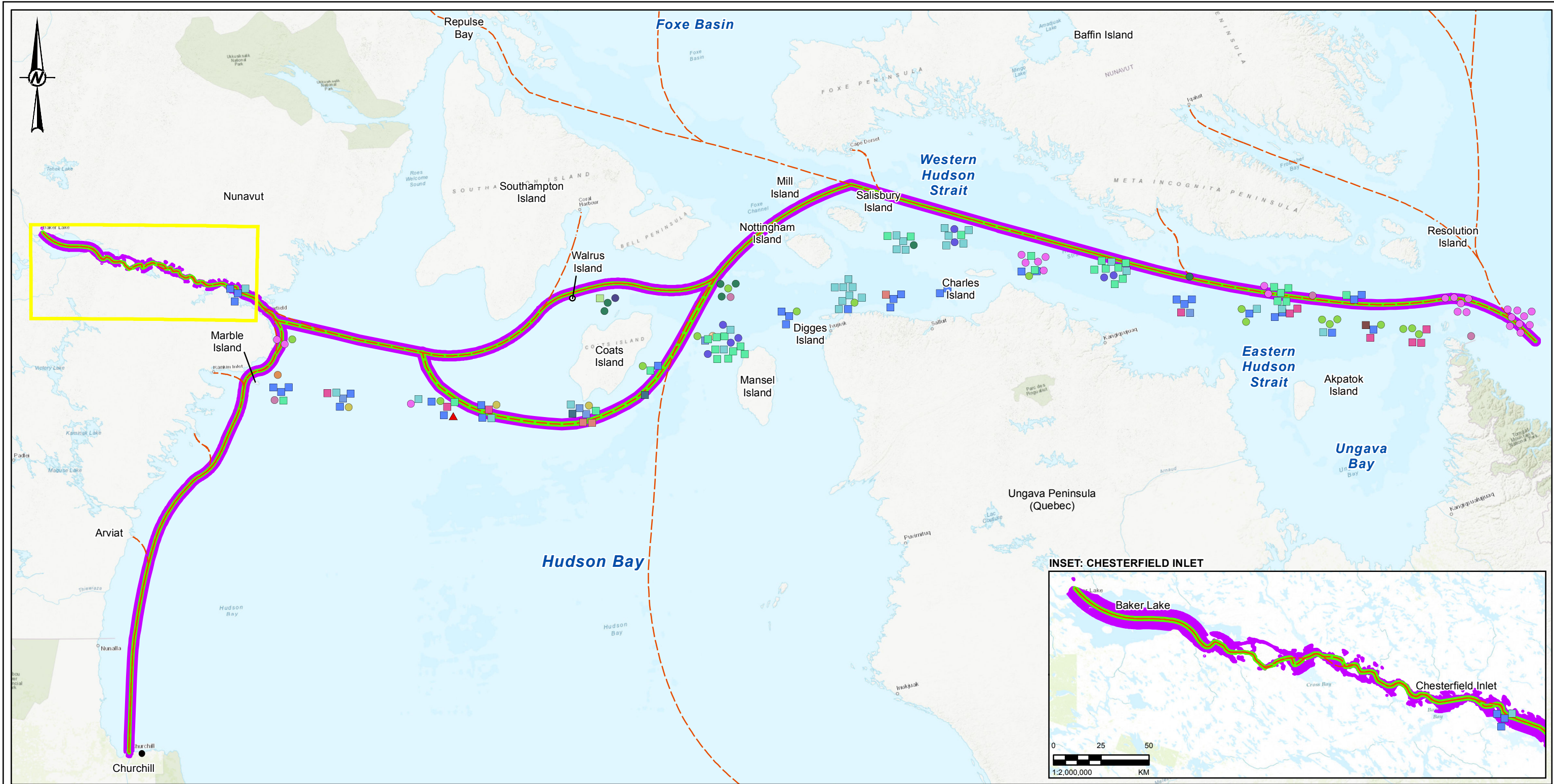
Dedicated seabird observations were conducted from the Acadia Desgagnés and Nordika Desgagnés, and incidental observations from the Dara Desgagnés. Dedicated seabird surveys were completed daily on 26 days: 30 June, 17 to 18 July, 22 July to 27 July, 1 to 4 August, 11 to 21 September, 20 and 23 October 2018.


A total of 738 individuals comprised of 15 identified species and 4 unidentified species of seabirds were recorded during dedicated seabird monitoring (Table 1). The most common species identified during the surveys in 2018 were thick-billed murre (*Uria lomvia*), black guillemot (*Cepphus grylle*), glaucous gull (*Larus hyperboreus*), iceland gull (*Larus glaucoides*) and dovekie (*Alle alle*). Two ivory gulls (*Pagophila eburnea*), listed as Endangered on Schedule 1 of the Species at Risk Act (SARA) (Government of Canada 2019), were observed during the surveys in 2018. Seabirds were recorded throughout the shipping route with no apparent areas of concentration (Figure 3). No seabird interactions (e.g., strikes) with vessels were recorded in 2018.

Table 1: Seabirds Observed During Surveys in 2018

| Common Name | Scientific Name | Number observed |
|--------------------------------|----------------------------------|-----------------|
| Black guillemot | <i>Cepphus grylle</i> | 137 |
| Common eider | <i>Somateria mollissima</i> | 4 |
| Common loon | <i>Gavia immer</i> | 1 |
| Dovekie | <i>Alle</i> | 76 |
| Glaucous gull | <i>Larus hyperboreus</i> | 91 |
| Harlequin duck | <i>Histrionicus histrionicus</i> | 10 |
| Iceland gull | <i>Larus glaucoides</i> | 78 |
| Ivory gull | <i>Pagophila eburnea</i> | 2 |
| Long-tailed duck | <i>Clangula hyemalis</i> | 3 |
| Long-tailed jaeger | <i>Stercorarius longicaudus</i> | 1 |
| Northern fulmar | <i>Fulmarus glacialis</i> | 43 |
| Pomarine jaeger | <i>Stercorarius pomarinus</i> | 1 |
| Sabine's gull | <i>Xema sabini</i> | 3 |
| Thick-billed murre | <i>Uria lomvia</i> | 141 |
| Wilson's storm-petrel | <i>Oceanites oceanicus</i> | 23 |
| Unidentified duck species | n/a | 27 |
| Unidentified gull species | n/a | 34 |
| Unidentified sandpiper species | n/a | 6 |
| Unidentified bird species | n/a | 57 |
| Total | n/a | 738 |

Notes: n/a – not applicable



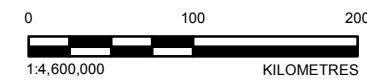
| LEGEND | | | | | |
|---|-----------------|---|-----------------------|---|------------------------------|
| SPECIES | | | | | |
|  | BLACK GUILLEMOT |  | IVORY GULL |  | SHIPPING ROUTE (APPROXIMATE) |
|  | COMMON EIDER |  | LONG-TAILED DUCK |  | LOCAL STUDY AREA (LSA) |
|  | COMMON LOON |  | LONG-TAILED JAEGER |  | REGIONAL STUDY AREA (RSA) |
|  | DOVEKIE |  | NORTHERN FULMAR |  | WATERBODY |
|  | DUCK SP. |  | POMARINE JAEGER | | |
|  | GLAUCOUS GULL |  | SABINE'S GULL | | |
|  | GULL SP. |  | SANDPIPER SP. | | |
|  | HARLEQUIN DUCK |  | THICK-BILLED MURRE | | |
|  | ICELAND GULL |  | WILSON'S STORM-PETREL | | |
| | |  | UNIDENTIFIED SEABIRD | | |

NOTES
1. SPECIES LOCATIONS ARE ANNOTATED WITH THE SURVEY COUNT.

REFERENCES
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CONSULTANT



AGNICO EAGLE

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| DESIGNED | DC |
| PREPARED | CC/CDB |
| REVIEWED | KZ |
| APPROVED | IJ |

PROJECT
AMARUQ – WHALE TAIL NUNAVUT

TITLE
SEABIRDS SIGHTINGS OBSERVED DURING THE 2018 MMSO PROGRAM

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3.2.2 Survey Effort

Dedicated seabird monitoring effort resulted in 1,833.6 km surveyed over 102.5 hours using moving platform surveys. Several moving platform survey datasheets lacked GPS coordinates, therefore spatial effort may be greater than presented in this report. No stationary platform surveys were recorded in 2018. An additional 153 hours of incidental seabird observations were collected onboard the *Dara Desgagnés*, however no seabirds were observed during this time. Spatial effort could not be calculated for the incidental effort because start and end coordinates were not recorded.

3.3 Environmental Variables and Sighting Conditions

A summary of the environmental variables during the 2018 MMSO program is discussed below and is provided in Table A-1 and A-2 in Appendix A.

Weather

Weather conditions during the 2018 MMSO program ranged from 0 (< 50% cloud cover [with no fog, rain, or snow]) to 2 (patchy fog), > 50% cloud cover with no fog, rain, or snow were recorded most frequently (41% of survey effort) closely followed by < 50% cloud cover with no fog, rain, or snow (40% of survey effort) and then patchy fog (19%; Figure 4).

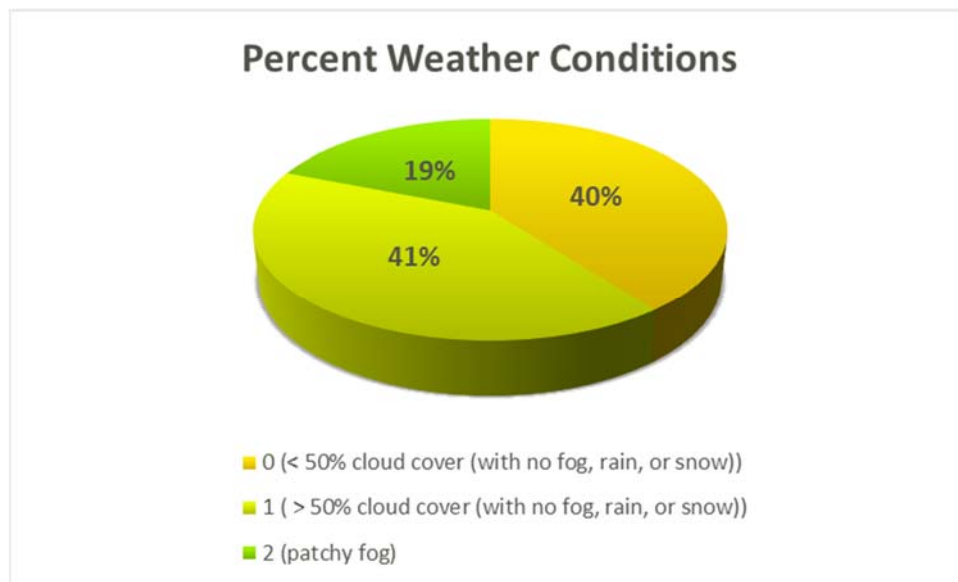


Figure 4: Percent Weather Conditions during the 2018 MMSO Program

Visibility

Visibility during the 2018 MMSO program ranged from 10 to 75 km with an average of 26 km.

Sea State

Sea state during the 2018 MMSO program ranged from 0 (no waves, glassy) to 4 (1.2 to 2.4 m waves, moderate waves, some spray). Sea state conditions were recorded most frequently as 4 (1.2 to 2.4 m waves, moderate waves, some spray; 29% of survey effort), followed by 3 (0.5 to 1.2 m waves, slight; small white caps; 24% of survey effort), 0 (no waves, glassy; 21% of survey effort), 2 (0.1 to 0.5 m waves, smooth wavelets; 19% of survey effort), and 1 (0 to 0.1 m waves, small wavelets; 7% of survey effort; Figure 5).

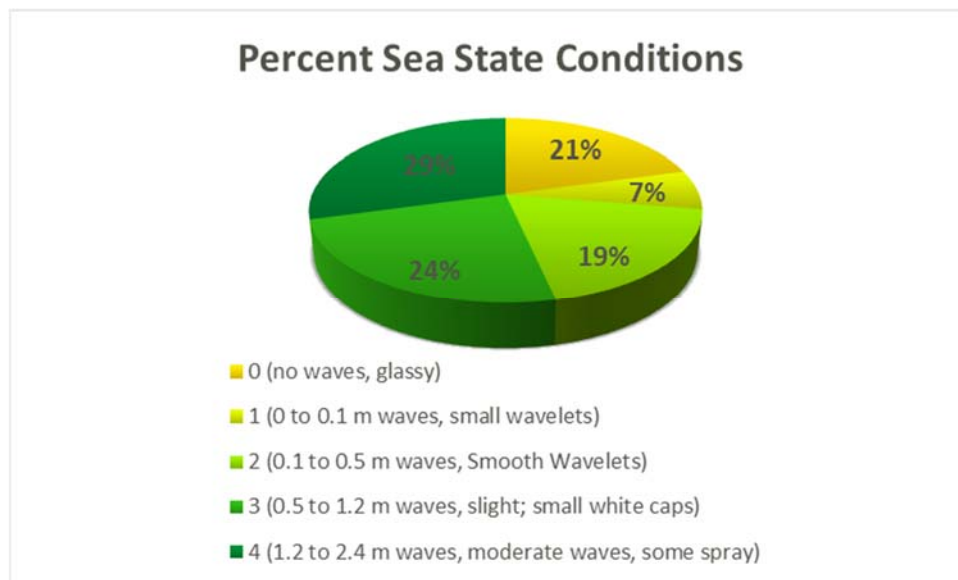


Figure 5: Percent Sea State Conditions during the 2018 MMSO Program

Glare Conditions

Glare conditions during the 2018 MMSO program ranged from 0 (none) to 3 (bright and forward of vessel). Glare conditions were recorded most frequently as 0 (none; 54% of survey effort), followed by 1 (slight/grey; 41% of survey effort), 2 (bright on the observer's side of the vessel; 3% of survey effort), and 3 (bright and forward of vessel; 2% of survey effort; Figure 6).



Figure 6: Glare Conditions during the 2018 MMSO Program

4.0 SUMMARY

Dedicated marine mammal observer effort included 29 hours and 1,155.7 km. No marine mammal sightings were recorded in 2018. An additional 153 hours of incidental marine mammal and seabird observations were collected onboard the *Dara Desgagnés*.

Seabird surveys were conducted over 26 days between 30 June and 23 October 2018. A total of 738 individuals comprised of 15 identified and 4 unidentified seabird species were recorded. Dedicated seabird survey effort resulted in 1,833.6 km of moving surveys over 102.5 hours. Thick-billed murre's were the most abundant seabird observed. Two ivory gulls, which are listed as Endangered on Schedule 1 of the SARA were also observed (Government of Canada 2019).

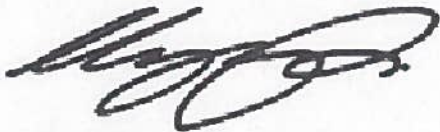
Environmental variables of weather conditions, visibility, sea state, glare and ice conditions were recorded during the 2018 MMSO program. Environmental conditions were variable as might be expected considering the seasonality of the surveys. Predominant conditions were recorded as < 50% cloud cover with no fog, rain, or snow, sea states of 1.2 to 2.4 m waves, moderate waves, some spray, and no glare with average visibility of 26 km.

No marine mammal-vessel or seabird-vessel interactions (e.g., strikes) were recorded during the 2018 MMSO program.

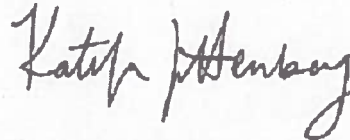
5.0 CLOSURE

We trust this information is sufficient for your needs at this time. Should you have any questions or concerns, please do not hesitate to contact the undersigned at 604-296-4200.

Golder Associates Ltd.

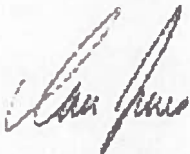


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Associate, Senior Wildlife Ecologist

IP/KZ/IJ/cmc

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[https://golderassociates.sharepoint.com/sites/106473/project files/6 deliverables/issued to client_for wp/19120096-001-r-rev1/19120096-001-r-rev1-mmso report 27mar_19.docx](https://golderassociates.sharepoint.com/sites/106473/project%20files/6%20deliverables/issued%20to%20client_for%20wp/19120096-001-r-rev1/19120096-001-r-rev1-mmso%20report%2027mar_19.docx)

6.0 REFERENCES

Agnico Eagle (Agnico Eagle Mines Limited). 2018. Meadowbank Division – Whale Tail Pit Shipping Management Plan. Version 2, April 2018.

Government of Canada. 2019. Species at Risk Public Registry. Available at:
<https://www.canada.ca/en/environment-climate-change/services/species-risk-public-registry.html#summary-details0>.

APPENDIX A

Summary of Seabirds, Marine
Mammals and Environmental
Variables Recorded during the
2018 MMSO Program

| Company Agency | Platform Name | Observers | Date | Survey Type | Time at Start | Time at End | Effort (hrs) | Zone | UTM Starting | | UTM Ending | | Platform Activity | Visibility (km) | Weather | Weather Code | Glare Conditions | Glare Code | Sea State Code | Wave Height (m) | True wind speed knots | True Wind Direction | Ice Type | Ice Type Code | Ice Concentration | Ice Concentration Code | True Platform Speed Knots | True Platform Direction deg | Observation Side | Height of Eye (m) | Outdoors or Indoors | Species | Count | Fly or Water | In Transect | Distance | Distance Code | Association | Association Code | Behaviour | Behaviour Code | Flight Direction | Age | Plumage | Sex |
|----------------|------------------|-----------------|------------|-------------|---------------|-------------|--------------|------|--------------|----------|------------|----------|-------------------|-----------------|--|--------------|------------------------------|------------|----------------|-----------------|-----------------------|---------------------|----------|---------------|-------------------|------------------------|---------------------------|-----------------------------|------------------|-------------------|---------------------|-----------------------|-------|--------------|-------------|----------|---------------|----------------------------------|------------------|---------------------|----------------|------------------|----------|--------------|------|
| | | | | | | | | | Easting | Northing | Easting | Northing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/13 | Transect | 22:00 | 22:30 | 0.5 | 16 | 564059 | 6893913 | 552923 | 6895391 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 2 | 2 | 13 | south | n/a | n/a | one tenth | 0 | 12.8 | 279 | Starboard | 22 | Indoors | glaucous gull | 1 | fly | Yes | 0-50 | A | n/a | n/a | Pattering | 39 | east | Immature | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/13 | Transect | 17:00 | 17:30 | 0.5 | 17 | 363459 | 6875995 | 353321 | 6878091 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | slight/grey | 1 | 3 | 2 | 17 | southwest | n/a | n/a | one tenth | 0 | 11.3 | 278 | Starboard | 22 | Indoors | Wilson's storm-petrel | 2 | fly | Yes | 51-100 | B | n/a | n/a | Aerial | 36 | north | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/13 | Transect | 17:00 | 17:30 | 0.5 | 17 | 363459 | 6875995 | 353321 | 6878091 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | slight/grey | 1 | 3 | 2 | 17 | southwest | n/a | n/a | one tenth | 0 | 11.3 | 278 | Starboard | 22 | Indoors | Sabine's gull | 1 | fly | Yes | 0-50 | A | Approaching observation platform | 20 | Aerial | 36 | south | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/13 | Transect | 12:00 | 12:30 | 0.5 | 17 | 445535 | 6917885 | 438674 | 6910390 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 4 | 2 | 20 | southwest | n/a | n/a | one tenth | 0 | 11.5 | 223 | Starboard | 22 | Indoors | glaucous gull | 1 | fly | Yes | 0-50 | A | n/a | n/a | Actively searching | 49 | west | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/13 | Transect | 12:00 | 12:30 | 0.5 | 17 | 445535 | 6917885 | 438674 | 6910390 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 4 | 2 | 20 | southwest | n/a | n/a | one tenth | 0 | 11.5 | 223 | Starboard | 22 | Indoors | gull sp. | 1 | fly | Yes | 51-100 | B | n/a | n/a | Aerial | 36 | north | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/13 | Transect | 12:00 | 12:30 | 0.5 | 17 | 445535 | 6917885 | 438674 | 6910390 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 4 | 2 | 20 | southwest | n/a | n/a | one tenth | 0 | 11.5 | 223 | Starboard | 22 | Indoors | dovekie | 12 | fly | Yes | 0-50 | A | n/a | n/a | Aerial | 36 | west | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/12 | Transect | 12:30 | 13:00 | 0.5 | 18 | 596660 | 6928686 | 587694 | 6932896 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 4 | 2 | 22 | southeast | n/a | n/a | one tenth | 0 | 11.1 | 297 | Starboard | 22 | Indoors | glaucous gull | 2 | fly | Yes | 0-50 | A | n/a | n/a | Aerial | 36 | north | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/12 | Transect | 12:30 | 13:00 | 0.5 | 18 | 596660 | 6928686 | 587694 | 6932896 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 4 | 2 | 22 | southeast | n/a | n/a | one tenth | 0 | 11.1 | 297 | Starboard | 22 | Indoors | glaucous gull | 1 | fly | Yes | 0-50 | A | n/a | n/a | Aerial | 36 | north | Immature | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/12 | Transect | 12:30 | 13:00 | 0.5 | 18 | 596660 | 6928686 | 587694 | 6932896 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 4 | 2 | 22 | southeast | n/a | n/a | one tenth | 0 | 11.1 | 297 | Starboard | 22 | Indoors | gull sp. | 1 | fly | Yes | 0-50 | A | n/a | n/a | Aerial | 36 | east | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 22:00 | 22:30 | 0.5 | 19 | 521698 | 6810566 | 511988 | 6815532 | Travelling | 16 | < 50% cloud cover (with no fog, rain, or snow) | 0 | bright and forward of vessel | 3 | 2 | 1 | 10 | northwest | n/a | n/a | one tenth | 0 | 12.5 | 298 | Starboard | 22 | Indoors | thick-billed murre | 1 | water | Yes | 51-100 | B | n/a | n/a | Resting or sleeping | 60 | n/a | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 22:00 | 22:30 | 0.5 | 19 | 521698 | 6810566 | 511988 | 6815532 | Travelling | 16 | < 50% cloud cover (with no fog, rain, or snow) | 0 | bright and forward of vessel | 3 | 2 | 1 | 10 | northwest | n/a | n/a | one tenth | 0 | 12.5 | 298 | Starboard | 22 | Indoors | gull sp. | 6 | water | Yes | 0-50 | A | n/a | n/a | Resting or sleeping | 60 | n/a | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 22:00 | 22:30 | 0.5 | 19 | 521698 | 6810566 | 511988 | 6815532 | Travelling | 16 | < 50% cloud cover (with no fog, rain, or snow) | 0 | bright and forward of vessel | 3 | 2 | 1 | 10 | northwest | n/a | n/a | one tenth | 0 | 12.5 | 298 | Starboard | 22 | Indoors | glaucous gull | 1 | fly | Yes | 0-50 | A | n/a | n/a | Pattering | 39 | north | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 22:00 | 22:30 | 0.5 | 19 | 521698 | 6810566 | 511988 | 6815532 | Travelling | 16 | < 50% cloud cover (with no fog, rain, or snow) | 0 | bright and forward of vessel | 3 | 2 | 1 | 10 | northwest | n/a | n/a | one tenth | 0 | 12.5 | 298 | Starboard | 22 | Indoors | gull sp. | 1 | fly | Yes | 51-100 | B | n/a | n/a | Actively searching | 49 | south | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 12:30 | 13:00 | 0.5 | 20 | 379189 | 6723606 | 370046 | 6728197 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 2 | 2 | 6 | 235 | n/a | n/a | one tenth | 0 | 12.6 | 297 | Starboard | 22 | Indoors | northern fulmar | 6 | fly | Yes | 0-50 | A | n/a | n/a | Pattering | 39 | west | Juvenile | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 12:30 | 13:00 | 0.5 | 20 | 379189 | 6723606 | 370046 | 6728197 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 2 | 2 | 6 | 235 | n/a | n/a | one tenth | 0 | 12.6 | 297 | Starboard | 22 | Indoors | northern fulmar | 1 | fly | Yes | 0-50 | A | n/a | n/a | Pattering | 39 | west | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 12:30 | 13:00 | 0.5 | 20 | 379189 | 6723606 | 370046 | 6728197 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 2 | 2 | 6 | 235 | n/a | n/a | one tenth | 0 | 12.6 | 297 | Starboard | 22 | Indoors | gull sp. | 2 | fly | Yes | 0-50 | A | n/a | n/a | Pattering | 39 | south | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 12:30 | 13:00 | 0.5 | 20 | 379189 | 6723606 | 370046 | 6728197 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 2 | 2 | 6 | 235 | n/a | n/a | one tenth | 0 | 12.6 | 297 | Starboard | 22 | Indoors | gull sp. | 1 | fly | Yes | 0-50 | A | n/a | n/a | Aerial | 36 | north | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 12:30 | 13:00 | 0.5 | 20 | 379189 | 6723606 | 370046 | 6728197 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 2 | 2 | 6 | 235 | n/a | n/a | one tenth | 0 | 12.6 | 297 | Starboard | 22 | Indoors | northern fulmar | 15 | fly | Yes | 0-50 | A | n/a | n/a | Pattering | 39 | west | Adult | Non-breeding | Male |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 12:30 | 13:00 | 0.5 | 20 | 379189 | 6723606 | 370046 | 6728197 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 2 | 2 | 6 | 235 | n/a | | | | | | | | | | | | | | | | | | | | | | |

| Company Agency | Platform Name | Observers | Date | Survey Type | Time at Start | Time at End | Effort (hrs) | Zone | UTM Starting | | UTM Ending | | Platform Activity | Visibility (km) | Weather | Weather Code | Glare Conditions | Glare Code | Sea State Code | Wave Height (m) | True wind speed knots | True Wind Direction | Ice Type | Ice Type Code | Ice Concentration | Ice Concentration Code | True Platform Speed Knots | True Platform Direction deg | Observation Side | Height of Eye (m) | Outdoors or Indoors | Species | Count | Fly or Water | In Transect | Distance | Distance Code | Association | Association Code | Behaviour | Behaviour Code | Flight Direction | Age | Plumage | Sex | | | |
|-------------------------|------------------|-------------------|------------|-------------|---------------|-------------|--------------|------|--------------|----------|------------|----------|-------------------|-----------------|--|--------------|------------------|------------|----------------|-----------------|-----------------------|---------------------|--|---------------|-------------------|------------------------|---------------------------|-----------------------------|------------------|-------------------|---------------------|--------------------|-------|--------------|-------------|----------|---------------|---|------------------|--------------------|----------------|-----------------------|-----|---------|-----|-----|-----|-----|
| | | | | | | | | | Easting | Northing | Easting | Northing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/24 | Transect | 9:15 | 9:45 | 0.5 | 17 | 545959 | 6932187 | 536151 | 6928166 | Travelling | 75 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 0 | 1 | 1 | 210 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 11.1 | 248 | Starboard | 16 | Indoors | dovekie | 3 | water | No | 51-100 | B | With observation platform | 18 | Actively searching | 49 | n/a | n/a | n/a | n/a | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/24 | Transect | 18:00 | 18:30 | 0.5 | 17 | 365792 | 6876868 | 355651 | 6879050 | Travelling | 20 | patchy fog | 2 | slight/grey | 1 | 3 | 1 | 4 | 210 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.9 | 279 | Starboard | 16 | Indoors | dovekie | 4 | water | No | 101-200 | C | With observation platform | 18 | Surface pecking | 44 | n/a | n/a | n/a | n/a | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/24 | Transect | 22:15 | 22:45 | 0.5 | 16 | 585478 | 6891638 | 574298 | 6893026 | Travelling | 0.5 | solid fog | 3 | slight/grey | 1 | 1 | 1 | 3 | 190 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 11.9 | 279 | Starboard | 16 | Indoors | No Observations | 1 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/25 | Transect | 10:30 | 11:00 | 0.5 | 15 | 630787 | 6938309 | 620105 | 6939781 | Travelling | 40 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 2 | 5 | 190 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 11.3 | 280 | Starboard | 16 | Indoors | glaucous gull | 3 | fly | Yes | 101-200 | C | With observation platform | 18 | Actively searching | 49 | n/a | n/a | n/a | n/a | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/25 | Transect | 10:30 | 11:00 | 0.5 | 15 | 630787 | 6938309 | 620105 | 6939781 | Travelling | 40 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 2 | 5 | 190 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 11.3 | 280 | Starboard | 16 | Indoors | glaucous gull | 1 | fly | Yes | 101-200 | C | With observation platform | 18 | Actively searching | 49 | n/a | n/a | n/a | n/a | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/25 | Transect | 10:30 | 11:00 | 0.5 | 15 | 630787 | 6938309 | 620105 | 6939781 | Travelling | 40 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 2 | 5 | 190 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 11.3 | 280 | Starboard | 16 | Indoors | glaucous gull | 2 | fly | Yes | 101-200 | C | With observation platform | 18 | Actively searching | 49 | n/a | n/a | n/a | n/a | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/25 | Transect | 10:30 | 11:00 | 0.5 | 15 | 630787 | 6938309 | 620105 | 6939781 | Travelling | 40 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 2 | 5 | 190 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 11.3 | 280 | Starboard | 16 | Indoors | dovekie | 1 | fly | Yes | 101-200 | C | Approaching observation platform | 20 | Actively searching | 49 | n/a | n/a | n/a | n/a | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/25 | Transect | 10:30 | 11:00 | 0.5 | 15 | 630787 | 6938309 | 620105 | 6939781 | Travelling | 40 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 2 | 5 | 190 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 11.3 | 280 | Starboard | 16 | Indoors | duck sp. | 3 | fly | No | 201-300 | D | n/a | | n/a | n/a | n/a | n/a | n/a | n/a | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/27 | Transect | 11:05 | 11:35 | 0.5 | 15 | 631597 | 6992562 | 630434 | 6997757 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 1 | 1 | 4 | 270 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 5.8 | 349 | Starboard | 16 | Indoors | gull sp. | 1 | fly | Yes | 201-300 | D | Approaching observation platform | 20 | n/a | n/a | north | n/a | n/a | n/a | n/a | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/27 | Transect | 11:05 | 11:35 | 0.5 | 15 | 631597 | 6992562 | 630434 | 6997757 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 1 | 1 | 4 | 270 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 5.8 | 349 | Starboard | 16 | Indoors | Iceland gull | 1 | fly | Yes | 201-300 | D | Approaching observation platform | 20 | n/a | n/a | north | n/a | n/a | n/a | n/a | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/27 | Transect | 11:05 | 11:35 | 0.5 | 15 | 631597 | 6992562 | 630434 | 6997757 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 1 | 1 | 4 | 270 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 5.8 | 349 | Starboard | 16 | Indoors | Iceland gull | 2 | fly | Yes | 101-200 | C | With other vessel (excluding fishing vessel; see code 26) | 21 | n/a | n/a | north | n/a | n/a | n/a | n/a | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/27 | Transect | 18:00 | 18:30 | 0.5 | 15 | 582357 | 7055314 | 573406 | 7056654 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 1 | 1 | 5 | 255 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 9.3 | 288 | Starboard | 16 | Indoors | thick-billed murre | 1 | fly | Yes | 201-300 | D | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/27 | Transect | 18:00 | 18:30 | 0.5 | 15 | 582357 | 7055314 | 573406 | 7056654 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 1 | 1 | 5 | 255 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 9.3 | 288 | Starboard | 16 | Indoors | glaucous gull | 2 | fly | No | 201-300 | D | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/27 | Transect | 18:00 | 18:30 | 0.5 | 15 | 582357 | 7055314 | 573406 | 7056654 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 1 | 1 | 5 | 255 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 9.3 | 288 | Starboard | 16 | Indoors | glaucous gull | 2 | water | No | 201-300 | D | With front | 13 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/07/27 | Transect | 18:00 | 18:30 | 0.5 | 15 | 582357 | 7055314 | 573406 | 7056654 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 1 | 1 | 5 | 255 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 9.3 | 288 | Starboard | 16 | Indoors | glaucous gull | 4 | water | No | 201-300 | D | With front | 13 | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/08/01 | Transect | 19:30 | 20:00 | 0.5 | 15 | 625321 | 6961998 | 618695 | 6956327 | Travelling | 10 | > 50% cloud cover (with no fog, rain, or snow) | 1 | slight/grey | 1 | 4 | 2 | 5 | 230 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 10.9 | 225 | Starboard | 16 | Indoors | long-tailed jaeger | 1 | fly | No | 201-300 | D | n/a | n/a | Feeding | 33 | northeast | n/a | n/a | n/a | n/a | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/08/02 | Transect | 9:50 | 10:20 | 0.5 | 16 | 461850 | 6911848 | 473161 | 6909751 | Travelling | 30 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 1.5 | 5 | 75 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 10.9 | 102 | Starboard | 16 | Indoors | thick-billed murre | 2 | fly | No | 101-200 | C | Approaching observation platform | 20 | Feeding | 33 | no apparent direction | n/a | n/a | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneau | 2018/08/02 | Transect | 9:50 | 10:20 | 0.5 | 16 | 461850 | 6911848 | 473161 | 6909751 | Travelling | 30 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 1.5 | 5 | 75 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 10.9 | 102 | Starboard | 16 | Indoors | Iceland gull | 1 | fly | Yes | 201-300 | D | n/a | n/a | n/a | n/a | unknown | n/a | n/a | n/a | n/a | | |

| Company Agency | Platform Name | Observers | Date | Survey Type | Time at Start | Time at End | Effort (hrs) | Zone | UTM Starting | | UTM Ending | | Platform Activity | Visibility (km) | Weather | Weather Code | Glare Conditions | Glare Code | Sea State Code | Wave Height (m) | True wind speed knots | True Wind Direction | Ice Type | Ice Type Code | Ice Concentration | Ice Concentration Code | True Platform Speed Knots | True Platform Direction deg | Observation Side | Height of Eye (m) | Outdoors or Indoors | Species | Count | Fly or Water | In Transect | Distance | Distance Code | Association | Association Code | Behaviour | Behaviour Code | Flight Direction | Age | Plumage | Sex |
|-------------------------|-------------------|--------------------|------------|-------------|---------------|-------------|--------------|------|--------------|----------|------------|----------|-------------------|-----------------|--|--------------|------------------|------------|----------------|-----------------|-----------------------|---------------------|--|---------------|-------------------|------------------------|---------------------------|-----------------------------|------------------|-------------------|---------------------|--------------|-------|--------------|-------------|----------|---------------|--------------------------------------|------------------|--------------------|----------------|-----------------------|-------|---------|-----|
| | | | | | | | | | Easting | Northing | Easting | Northing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 8:25 | 8:55 | 0.5 | 19 | 553421 | 6827936 | 566404 | 6822460 | Travelling | 30 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 3 | 1 | 20 | 145 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.2 | 122 | Starboard | 16 | Indoors | dovekie | 1 | water | No | 51-100 | B | Associated with observation platform | 18 | Surface pecking | 44 | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 8:25 | 8:55 | 0.5 | 19 | 553421 | 6827936 | 566404 | 6822460 | Travelling | 30 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 3 | 1 | 20 | 145 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.2 | 122 | Starboard | 16 | Indoors | dovekie | 1 | fly | Yes | 101-200 | C | Approaching observation platform | 20 | n/a | n/a | southwest | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 8:25 | 8:55 | 0.5 | 19 | 553421 | 6827936 | 566404 | 6822460 | Travelling | 30 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 3 | 1 | 20 | 145 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.2 | 122 | Starboard | 16 | Indoors | Iceland gull | 1 | fly | Yes | 201-300 | D | Approaching observation platform | 20 | n/a | n/a | north | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 8:25 | 8:55 | 0.5 | 19 | 553421 | 6827936 | 566404 | 6822460 | Travelling | 30 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 3 | 1 | 20 | 145 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.2 | 122 | Starboard | 16 | Indoors | dovekie | 1 | water | No | 101-200 | C | With observation platform | 18 | Surface pecking | 44 | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 8:25 | 8:55 | 0.5 | 19 | 553421 | 6827936 | 566404 | 6822460 | Travelling | 30 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 3 | 1 | 20 | 145 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.2 | 122 | Starboard | 16 | Indoors | Iceland gull | 2 | fly | Yes | 201-300 | D | Approaching observation platform | 20 | n/a | n/a | north | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 8:25 | 8:55 | 0.5 | 19 | 553421 | 6827936 | 566404 | 6822460 | Travelling | 30 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 3 | 1 | 20 | 145 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.2 | 122 | Starboard | 16 | Indoors | dovekie | 5 | fly | Yes | 101-200 | C | Approaching observation platform | 20 | n/a | n/a | southwest | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 8:25 | 8:55 | 0.5 | 19 | 553421 | 6827936 | 566404 | 6822460 | Travelling | 30 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 3 | 1 | 20 | 145 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.2 | 122 | Starboard | 16 | Indoors | dovekie | 1 | fly | Yes | 101-200 | C | Approaching observation platform | 20 | n/a | n/a | north | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 18:10 | 18:40 | 0.5 | 20 | 429295 | 6743030 | 440467 | 6739243 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 1 | 5 | 170 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 13 | 108 | Starboard | 16 | Indoors | Iceland gull | 25 | fly | Yes | 51-100 | B | With observation platform | 18 | Actively searching | 49 | southwest | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 18:10 | 18:40 | 0.5 | 20 | 429295 | 6743030 | 440467 | 6739243 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 1 | 5 | 170 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 13 | 108 | Starboard | 16 | Indoors | Iceland gull | 12 | fly | Yes | 51-100 | B | With observation platform | 18 | Actively searching | 49 | no apparent direction | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 18:10 | 18:40 | 0.5 | 20 | 429295 | 6743030 | 440467 | 6739243 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 1 | 5 | 170 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 13 | 108 | Starboard | 16 | Indoors | Iceland gull | 4 | fly | Yes | 51-100 | B | With observation platform | 18 | Actively searching | 49 | south | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 18:10 | 18:40 | 0.5 | 20 | 429295 | 6743030 | 440467 | 6739243 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 1 | 5 | 170 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 13 | 108 | Starboard | 16 | Indoors | Iceland gull | 3 | fly | Yes | 51-100 | B | With observation platform | 18 | Actively searching | 49 | north | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 18:10 | 18:40 | 0.5 | 20 | 429295 | 6743030 | 440467 | 6739243 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 1 | 5 | 170 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 13 | 108 | Starboard | 16 | Indoors | Iceland gull | 2 | fly | Yes | 51-100 | B | With observation platform | 18 | Actively searching | 49 | north | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 18:10 | 18:40 | 0.5 | 20 | 429295 | 6743030 | 440467 | 6739243 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 1 | 5 | 170 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 13 | 108 | Starboard | 16 | Indoors | Iceland gull | 4 | fly | Yes | 51-100 | B | With observation platform | 18 | Actively searching | 49 | southwest | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 21:45 | 22:15 | 0.5 | 20 | 499121 | 6704814 | 499697 | 6692767 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 4 | 315 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.1 | 176 | Starboard | 16 | Indoors | Iceland gull | 1 | fly | Yes | 51-100 | B | Associated with observation platform | 18 | Feeding | 33 | northwest | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 21:45 | 22:15 | 0.5 | 20 | 499121 | 6704814 | 499697 | 6692767 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 4 | 315 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.1 | 176 | Starboard | 16 | Indoors | Iceland gull | 1 | fly | Yes | 51-100 | B | With observation platform | 18 | Feeding | 33 | northwest | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 21:45 | 22:15 | 0.5 | 20 | 499121 | 6704814 | 499697 | 6692767 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 4 | 315 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.1 | 176 | Starboard | 16 | Indoors | Iceland gull | 1 | fly | Yes | 51-100 | B | With observation platform | 18 | Feeding | 33 | southeast | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 21:45 | 22:15 | 0.5 | 20 | 499121 | 6704814 | 499697 | 6692767 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 4 | 315 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.1 | 176 | Starboard | 16 | Indoors | Iceland gull | 1 | water | No | 51-100 | B | Associated with front | 13 | Feeding | 33 | | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 21:45 | 22:15 | 0.5 | 20 | 499121 | 6704814 | 499697 | 6692767 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 4 | 315 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.1 | 176 | Starboard | 16 | Indoors | Iceland gull | 1 | fly | Yes | 51-100 | B | With observation platform | 18 | Feeding | 33 | northwest | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 21:45 | 22:15 | 0.5 | 20 | 499121 | 6704814 | 499697 | 6692767 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 4 | 315 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.1 | 176 | Starboard | 16 | Indoors | Iceland gull | 2 | fly | Yes | 51-100 | B | With observation platform | 18 | Feeding | 33 | north | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 21:45 | 22:15 | 0.5 | 20 | 499121 | 6704814 | 499697 | 6692767 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 4 | 315 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.1 | 176 | Starboard | 16 | Indoors | Iceland gull | 5 | fly | Yes | 51-100 | B | With observation platform | 18 | Feeding | 33 | northwest | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 21:45 | 22:15 | 0.5 | 20 | 499121 | 6704814 | 499697 | 6692767 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 4 | 315 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.1 | 176 | Starboard | 16 | Indoors | Iceland gull | 2 | fly | Yes | 51-100 | B | With observation platform | 18 | Feeding | 33 | no apparent direction | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 21:45 | 22:15 | 0.5 | 20 | 499121 | 6704814 | 499697 | 6692767 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 4 | 315 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 12.1 | 176 | Starboard | 16 | Indoors | Iceland gull | 2 | fly | Yes | 51-100 | B | With observation platform | 18 | Feeding | 33 | no apparent direction | n/a | n/a | n/a |
| Desgagnes | Nordika Desgagnes | n/a | 2018/10/23 | Transect | 8:30 | n/a | n/a | 20 | 431653 | 6700316 | n/a | n/a | Travelling | 15 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 3 | 2 | 10 | 270 | n/a | n/a | n/a | n/a | 13 | 113 | Starboard | n/a | Outdoors | duck sp. | 10 | fly | No | 101-200 | C | n/a | n/a | n/a | n/a | south | adult | n/a | n/a |
| Desgagnes | Nordika Desgagnes | Nick Brownstein | 2018/10/20 | Transect | 15:00 | 15:30 | 0.5 | 17 | 395365 | 7001393 | 418240 | 7001477 | Travelling | 20 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 13 | 0 | New small, thin, newly formed, dinner plate-sized pieces | 0 | one tenth | 0 | 13 | 90 | Starboard | 30 | Indoors | common loon | 1 | fly | No | 51-100 | B | n/a | n/a | n/a | n/a | south | n/a | n/a | n/a |
| Desgagnes | Nordika Desgagnes | Nick Brownstein | 2018/10/20 | Transect | 15:00 | 15:30 | 0.5 | 17 | 395365 | 7001393 | 41824 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Notes: hrs = hours of effort, UTM = Universal Transverse Mercator, km = kilometres, n/a = data not available

Table A-2: Marine Mammal Sightings and Environmental Variables Recorded during 2018 MMSO Program

| Company/Agency | Platform Name and Type | Observer(s) | Date | Survey Type | Time at Start | Time at End | Effort (hrs) | Zone | UTM Start | | UTM End | | Platform Activity | Visibility (km) | Weather | Weather Code | Glare Conditions | Glare Code | Sea State Code | Wave Height (m) | True wind speed (knots) | True Wind Direction | Ice Type Code | Ice Concentration Code | True Platform Speed (Knots) | True Platform Direction (deg) | Observation Side | Height of Eye (m) | Outdoors or Indoors | Species |
|-------------------------|------------------------|--------------------|------------|-------------|---------------|-------------|--------------|-------|-----------|----------|---------|----------|-------------------|-----------------|--|--------------|---|------------|----------------|-----------------|-------------------------|---------------------|---------------|------------------------|-----------------------------|-------------------------------|------------------|-------------------|---------------------|-----------------|
| | | | | | | | | | Easting | Northing | Easting | Northing | | | | | | | | | | | | | | | | | | |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michel Galaireau | 2018/07/22 | Transect | 14:40 | 16:10 | 1:30 | 19 | 646356 | 6791329 | 623750 | 6791276 | Traveling | 75 | n/a | 0 | n/a | 0 | 0 | -1 | 3 | 270 | 3 | 2 | 7 | 276 | Starboard | 16 | indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michel Galaireau | 2018/07/23 | Transect | 18:30 | 20:00 | 1:30 | 18 | 530672 | 6995353 | 504175 | 7001803 | Traveling | 70 | n/a | 0 | n/a | 0 | 0 | 2 | 4 | 260 | 0 | 0 | 10.3 | 283 | Starboard | 16 | indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michel Galaireau | 2018/07/24 | Transect | 18:00 | 19:00 | 1:00 | 17/16 | 365792 | 6876868 | 646904 | 6883193 | Traveling | 2-40 | n/a | 2 | n/a | 1 | 3 | -1 | 4 | 210 | 0 | 0 | 12.9 | 279 | Starboard | 16 | indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michel Galaireau | 2018/07/27 | Transect | 18:00 | 19:30 | 1:30 | 15 | 582357 | 7055314 | n/a | n/a | Traveling | 50 | n/a | 0 | n/a | 0 | 1 | -1 | 5 | 255 | 0 | 0 | 9.3 | 288 | Starboard | 16 | indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michel Galaireau | 2018/08/01 | Transect | 18:30 | 20:00 | 1:30 | 15 | 635070 | 6978167 | 618695 | 6956327 | Traveling | 10 | n/a | 1 | n/a | 1 | 4 | 2 | 5 | 55 (west) | 0 | 0 | 10.9 | 225 | Starboard | 16 | indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michel Galaireau | 2018/08/02 | Transect | 18:05 | 19:35 | 1:30 | 16/17 | 655471 | 6882070 | 375325 | 6874981 | Traveling | 20 | n/a | 1 | n/a | 1 | 3 | 1 | 4 | 0 | 0 | 0 | 12.6 | 100 | Starboard | 16 | indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michel Galaireau | 2018/08/03 | Transect | 18:10 | 19:40 | 1:30 | 18 | 591007 | 6922991 | 629228 | 6916770 | Traveling | 20 | n/a | 2 | n/a | 1 | 2 | 1.5 | 4 | 40 | 0 | 0 | 12.5 | 114 | Starboard | 16 | Outdoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michel Galaireau | 2018/08/04 | Transect | 17:10 | 18:40 | 1:30 | 20 | 424527 | 6710915 | 441939 | 6704277 | Traveling | 50 | n/a | 0 | n/a | 0 | 4 | 1 | 5 | 170 | 0 | 0 | 13 | 108 | Starboard | 16 | indoors | No Observations |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/12 | Transect | 12:00 | 12:30 | 0:30 | 18 | 605746 | 6924131 | 597009 | 6928510 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 4 | 2 | 21 | 135 | n/a | n/a | 10.7 | 299 | starboard | 22 | Indoors | No Observations |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 22:30 | 23:00 | 0:30 | 19 | 511543 | 6815902 | 500798 | 6820710 | Travelling | 16 | < 50% cloud cover (with no fog, rain, or snow) | 0 | bright and forward of vessel | 3 | 2 | 1 | 8 | 315 | n/a | n/a | 12.8 | 297 | starboard | 22 | Indoors | No Observations |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 12:00 | 12:30 | 0:30 | 20 | 389696 | 6718067 | 379639 | 6723404 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 2 | 2 | 10 | 235 | n/a | n/a | 12.2 | 297 | starboard | 22 | Indoors | No Observations |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/11 | Transect | 17:00 | 17:30 | 0:30 | 19 | 619554 | 6766291 | 609508 | 6770424 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 1 | 1 | 7 | 0 | n/a | n/a | 11.8 | 295 | starboard | 22 | Outdoors | No Observations |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/12 | Transect | 17:30 | 18:00 | 0:30 | 18 | 479178 | 6936633 | 465314 | 6938420 | Travelling | 16 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 1 | 1 | 8 | 135 | n/a | n/a | 14.7 | 279 | starboard | 22 | Indoors | No Observations |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/12 | Transect | 22:30 | 23:00 | 0:30 | 18 | 372312 | 6949247 | 363534 | 6949969 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 4 | 2 | 27 | 315 | n/a | n/a | 8.8 | 276 | starboard | 22 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Stephen Badcock | 2018/09/21 | Transect | 17:30 | 18:00 | 0:30 | 19 | 549453 | 6797481 | 560343 | 6792453 | Travelling | 16 | < 50% cloud cover (with no fog, rain, or snow) | 0 | bright on the observer's side of vessel | 2 | 2 | 2 | 14 | 315 | n/a | n/a | 12.8 | 116 | starboard | 22 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Stephen Badcock | 2018/09/19 | Transect | 17:30 | 18:00 | 0:30 | 16 | 394524 | 6924495 | 406342 | 6922284 | Travelling | 12 | > 50% cloud cover (with no fog, rain, or snow) | 1 | bright on the observer's side of vessel | 2 | 4 | 1 | 12 | 270 | n/a | n/a | 13.1 | 98 | starboard | 22 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Stephen Badcock | 2018/09/21 | Transect | 22:30 | 23:00 | 0:30 | 19 | 657429 | 6748256 | 344024 | 6742059 | Travelling | 16 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 1 | 1 | 6 | 315 | n/a | n/a | 13.7 | 115 | starboard | 22 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Stephen Badcock | 2018/09/21 | Transect | 12:00 | 12:30 | 0:30 | 19 | 432042 | 6854989 | 441969 | 6849977 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 3 | 1 | 18 | 270 | n/a | n/a | 12.5 | 115 | starboard | 22 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Stephen Badcock | 2018/09/20 | Transect | 22:30 | 23:00 | 0:30 | 18 | 435993 | 6941642 | 448209 | 6940128 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 4 | 2 | 21 | 315 | n/a | n/a | 12.5 | 98 | starboard | 22 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Stephen Badcock | 2018/09/20 | Transect | 17:30 | 18:00 | 0:30 | 17 | 619516 | 6950614 | 631007 | 6951792 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 3 | 2 | 15 | 315 | n/a | n/a | 12.5 | 87 | starboard | 22 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Stephen Badcock | 2018/09/20 | Transect | 12:00 | 12:30 | 0:30 | 17 | 497510 | 6930255 | 505912 | 6936944 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 1 | 1 | 4 | 315 | n/a | n/a | 12.6 | 48 | starboard | 22 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Stephen Badcock | 2018/09/19 | Transect | 22:30 | 23:00 | 0:30 | 16 | 515586 | 6901696 | 527465 | 6899729 | Travelling | 16 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 2 | 1 | 8 | 270 | n/a | n/a | 13.4 | 100 | starboard | 22 | Indoors | No Observations |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/13 | Transect | 22:30 | 23:00 | 0:30 | 16 | 552836 | 6895390 | 593198 | 6898493 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 2 | 2 | 16 | 180 | n/a | n/a | 12.6 | 279 | starboard | 22 | Indoors | No Observations |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/13 | Transect | 17:30 | 18:00 | 0:30 | 17 | 352972 | 6878106 | 655647 | 6880721 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | slight/grey | 1 | 3 | 2 | 16 | 235 | n/a | n/a | 11.8 | 279 | starboard | 22 | Indoors | No Observations |
| Desgagnes | Acadia Desgagnes | Stephen Badcock | 2018/09/13 | Transect | 12:30 | 13:00 | 0:30 | 17 | 438497 | 6910207 | 431609 | 6902912 | Travelling | 16 | > 50% cloud cover (with no fog, rain, or snow) | 1 | none | 0 | 4 | 2 | 25 | 235 | n/a | n/a | 11.2 | 223 | starboard | 22 | Indoors | No Observations |
| Desgagnes | Acadia Desgagnes | Michael Galarneceu | 2018/07/22 | Transect | 14:40 | 16:10 | 1:30 | 19 | 646337 | 6791328 | 623750 | 6791276 | Travelling | 75 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 0 | 1 | 3 | 270 | 3 | 2 | 7 | 276 | starboard | 16 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/07/23 | Transect | 18:30 | 20:00 | 1:30 | 18 | 530672 | 6995353 | 504175 | 7001803 | Travelling | 70 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 0 | 2 | 4 | 260 | 0 | 0 | 10.3 | 283 | starboard | 16 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/07/24 | Transect | 18:00 | 19:30 | 1:30 | 17 | 365792 | 6876868 | 646904 | 6883193 | Travelling | 20 | patchy fog | 2 | slight/grey | 1 | 3 | 1 | 4 | 210 | 0 | 0 | 12.9 | 279 | starboard | 16 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/07/27 | Transect | 18:00 | 19:30 | 1:30 | 15 | 582357 | 7055314 | n/a | n/a | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 1 | 1 | 5 | 255 | 0 | 0 | 9.3 | 288 | starboard | 16 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/01 | Transect | 18:30 | 20:00 | 1:30 | 15 | 635070 | 6978167 | 618695 | 6956327 | Travelling | 10 | > 50% cloud cover (with no fog, rain, or snow) | 1 | slight/grey | 1 | 4 | 2 | 5 | 235 | 0 | 0 | 10.9 | 225 | starboard | 16 | Indoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/02 | Transect | 18:05 | 19:35 | 1:30 | 16 | 655471 | 6882070 | 375325 | 6874981 | Travelling | 10 | > 50% cloud cover (with no fog, rain, or snow) | 1 | slight/grey | 1 | 3 | 1 | 4 | 17 | 0 | 0 | 12.6 | 100 | starboard | 16 | Outdoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/03 | Transect | 18:10 | 19:40 | 1:30 | 18 | 582041 | 6954486 | 610992 | 6942864 | Travelling | 15 | patchy fog | 2 | slight/grey | 1 | 2 | 1.5 | 4 | 40 | 0 | 0 | 12.5 | 114 | starboard | 16 | Outdoors | No Observations |
| Agnico Eagle Meadowbank | Acadia Desgagnes | Michael Galarneceu | 2018/08/04 | Transect | 17:10 | 18:40 | 1:30 | 20 | 411772 | 6750366 | 440467 | 6739243 | Travelling | 50 | < 50% cloud cover (with no fog, rain, or snow) | 0 | none | 0 | 4 | 1 | 5 | 170 | 0 | 0 | 13 | 108 | starboard | 16 | Indoors | No Observations |

Notes: hrs = hours of effort, UTM = Universal Transverse Mercator, km = kilometres, n/a = data not available

Table A-3: Incidental Wildlife Sightings Recorded during 2018 MMSO Program

| Company/Agency | Platform Name and Type | Observer(s) | Date | Survey Type | Time at Start | Time at End | Effort (hrs) | Platform Activity | Weather | Date | Time | Species | Count | UTM Sighting Coordinates | | | Distance to Animal | Behaviour/Travel Direction | Sex | Comments |
|-------------------------|------------------------|--------------|------------|-------------|---------------|-------------|--------------|-------------------|--------------|-----------|-------|-----------------|--------|--------------------------|---------|----------|--------------------|----------------------------|------|---|
| | | | | | | | | | | | | | | Zone | Easting | Northing | | | | |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/21 | Stationary | 8:50 | 11:55 | 3:05 | Anchored | Clear/Cloudy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Reloading Fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/21 | Stationary | 12:45 | 16:50 | 4:05 | Anchored | Clear/Cloudy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Reloading Fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/21 | Stationary | 17:45 | 21:30 | 3:45 | Anchored | Clear/Cloudy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Reloading Fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/22 | Stationary | 12:45 | 16:50 | 4:05 | Anchored | Clear/Cloudy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Reloading Fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/23 | Stationary | 17:45 | 21:30 | 3:45 | Anchored | Clear/Cloudy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Reloading Fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/12 | n/a | 7:45 | 11:11 | 3:26 | n/a | Windy/Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/13 | n/a | 12:30 | 16:45 | 4:15 | n/a | Windy/Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/14 | n/a | 17:40 | 20:35 | 2:55 | n/a | Windy/Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/07 | Transect | 5:00 | 7:00 | 2:00 | Travelling | Calm/Cloudy | 7-Aug-18 | n/a | Muskox | 1 Male | n/a | n/a | n/a | n/a | Eating/Grazing | Male | Southbound to reload Fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/07 | Transect | 7:30 | 11:45 | 4:15 | Travelling | Calm/Cloudy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to reload Fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/07 | Transect | 13:15 | n/a | n/a | Travelling | Calm/Cloudy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to reload Fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/07 | Transect | 13:45 | 16:30 | 2:45 | Travelling | Calm/Cloudy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to reload Fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/07 | Transect | 17:05 | 21:15 | 4:10 | Travelling | Calm/Cloudy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to reload Fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/06 | Transect | 7:40 | 11:30 | 3:50 | Travelling | Fair | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to Mothership to reload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/06 | Transect | 12:30 | 15:15 | 2:45 | Travelling | Fair | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to Mothership to reload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/06 | Transect | 15:30 | 17:15 | 1:45 | Travelling | Fair | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to Mothership to reload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/06 | Transect | 18:00 | 21:30 | 3:30 | Travelling | Fair | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to Mothership to reload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/08 | Transect | 6:30 | 11:30 | 5:00 | Travelling | Cloudy/ fair | 8-Aug-18 | 7:50 | Muskox | 2 | 14 | 626485 | 7209983 | 2.4 | Eating/Grazing | n/a | Back to Baker lake to offload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/08 | Transect | 12:00 | 16:30 | 4:30 | Travelling | Cloudy/ fair | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Back to Baker lake to offload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/08 | Transect | 17:00 | 21:45 | 4:45 | Travelling | Cloudy/ fair | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Back to Baker lake to offload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/10 | Transect | 7:55 | 11:15 | 3:20 | Travelling | Fair | 10-Aug-18 | 8:42 | Muskox | 26 | 15 | 428412 | 6764636 | 3.2 | Eating/Grazing | n/a | Southbound to reload more fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/10 | Transect | 7:55 | 11:15 | 3:20 | Travelling | Fair | 10-Aug-18 | 10:37 | Muskox | 1 | 15 | 429609 | 7110968 | 1.1 | Eating | n/a | Southbound to reload more fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/10 | Transect | 12:10 | 16:00 | 3:50 | Travelling | Fair | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to reload more fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/10 | Transect | 17:00 | 20:30 | 3:30 | Travelling | Fair | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to reload more fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/11 | n/a | 8:00 | 11:45 | 3:45 | Travelling | Foggy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/11 | n/a | 12:25 | 15:45 | 3:20 | Travelling | Foggy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/11 | n/a | 16:40 | 21:35 | 4:55 | Travelling | Foggy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | n/a |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/13 | Transect | 7:55 | 11:15 | 3:20 | Travelling | Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Back to baker lake to unload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/13 | Transect | 12:00 | 16:45 | 4:45 | Travelling | Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Back to baker lake to unload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/13 | Transect | 17:30 | 21:00 | 3:30 | Travelling | Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Back to baker lake to unload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/15 | Transect | 9:30 | 11:33 | 2:03 | Travelling | Fair | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | South to reload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/15 | Transect | 12:45 | 16:50 | 4:05 | Travelling | Fair | 15-Aug-18 | 13:50 | Muskox | 2 | 15 | 435637 | 7100332 | 2.1 | Eating/roaming | | South to reload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/15 | Transect | 17:50 | 21:30 | 3:40 | Travelling | Fair | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | South to reload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/16 | Transect | 8:30 | 11:55 | 3:25 | Travelling | Clear/Windy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Back to baker lake to unload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/16 | Transect | 12:50 | 16:55 | 4:05 | Travelling | Clear/Windy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Back to baker lake to unload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/16 | Transect | 17:50 | 21:20 | 3:30 | Travelling | Clear/Windy | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Back to baker lake to unload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/17 | Transect | 8:30 | 11:45 | 3:15 | Travelling | Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Back to baker lake to unload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/17 | Transect | 12:40 | 16:50 | 4:10 | Travelling | Clear | 17-Aug-18 | 16:18 | Muskox | 2 | 15 | 435486 | 7100135 | 1.5 | resting | | Back to baker lake to unload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/17 | Transect | 17:45 | 21:15 | 3:30 | Travelling | Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Back to baker lake to unload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/19 | Transect | 9:00 | 11:40 | 2:40 | Travelling | Clear | 19-Aug-18 | n/a | Muskox | 16 | 15 | 359730 | 7130141 | 2.4 | Eating | | Southbound to refuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/19 | Transect | 12:35 | 16:55 | 4:20 | Travelling | Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to refuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/19 | Transect | 17:32 | 21:15 | 3:43 | Travelling | Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | Southbound to refuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/20 | Transect | 8:40 | 12:00 | 3:20 | Travelling | Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | South to reload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/20 | Transect | 13:00 | n/a | n/a | Travelling | Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | South to reload fuel |
| Agnico Eagle Meadowbank | Dara Desgagnes | Sandy Aggark | 2018/08/20 | Transect | 17:04 | 17:55 | 0:51 | Travelling | Clear | n/a | n/a | No Observations | n/a | n/a | n/a | n/a | n/a | n/a | n/a | South to reload fuel |

Notes: hrs = hours of effort, UTM = Universal Transverse Mercator, km = kilometres, n/a = data not available

APPENDIX B

MMSO Datasheets for the 2018 MMSO Program

Record sheet for a moving platform survey

Observation Period Information:

Company/agency

Platform name and type

Observer (s)

Date (DD/MMM/YYYY)

Time at start (UTC)

Time at end (UTC)

Latitude at start / end

Longitude at start / end

Platform activity

Visibility (km)

Weather code

Glare conditions code

| | |
|---------------------------|--|
| Desgagnés | |
| Nordika Desgagnés - Cargo | |
| Nick Brownstein | |
| 30/06/2018 | |
| 0000 | |
| 0400 | |
| 63°04,1' N | |
| 08°02,1' W | |
| Traveling | |
| 10 | |
| 0 | |
| 7 | |

Sea state code

Wave height (m)

True wind speed (knots) OR
Beaufort code

True wind direction (deg)

Ice type code

Ice concentration code

True platform speed (knots)

True platform direction (deg)

Observation side

Height of eye (m)

Outdoors or Indoors

Snapshot used?

| | | | |
|-------------|----|------|---------|
| | | | 1 |
| | | | 0.3 |
| | | | 7 knots |
| | | | 255° |
| | | | 4 |
| | | | 1 |
| | | | 4.5 |
| | | | 270 |
| (Starboard) | | | Port |
| | | | 25m |
| Out | or | (In) | |
| Yes | or | (No) | |

Notes:

Bird Information: *this field must be completed for each record

[illegible]

¹ *A* = 0-50m, *B* = 51-100m, *C* = 101-200m, *D* = 201-300m, *E* = > 300m, *3* = within 300m but no distance recorded.

²Indicate flight direction (*N, NE, E, SE, S, SW, W, or NW*); *ND* = no apparent direction

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

Scan Information:

Visibility (km)

| |
|---------------------------|
| |
| |
| Cadet Farid Hardy-M. |
| 18/07/2018 |
| 2130 |
| 61° 25.12' N |
| 067° 13.2' W |
| SEA PASSAGE |
| 180° or other (specify:) |
| |
| |
| ~ 6 |

Outdoors or Indoors

2

1

< 1 ft

3

North

3

1

Out or (In)

Notes:

[illegible]

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

mening

Company/agency

Observer (s)

Date (DD/MMM/YYYY)

Time at start (UTC)

Latitude

Longitude

Platform activity

Scan type

Scan direction

Visibility (km)

Weather code

Glare conditions code

Sea state code

Wave height (m)

True wind speed (knots) OR
Beaufort code

True wind direction (deg)

Ice type code

Ice concentration code

Height of eye (m)

Outdoors or Indoors

1

C

2.

!

1256

5

0

Out or In

Notes:

Bird Information: *this field must be completed for each record

[illegible]

¹ *A* = 0-50m, *B* = 51-100m, *C* = 101-200m, *D* = 201-300m, *E* = > 300m, *3* = within 300m but no distance recorded.

²Indicate flight direction (*N*, *NE*, *E*, *SE*, *S*, *SW*, *W*, or *NW*); *ND* = no apparent direction

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

meaning

Company/agency

Platform name and type

Observer (s)

Date (DD/MMM/YYYY)

Time at start (UTC)

Latitude

Longitude

Platform activity

Scan type

Scan direction

Visibility (km)

NORDIKA DESGAGNES

Cadet Farid Hedy-M.

17/07/2018

2037

63°08.55' N

075° 38,0' W

Sea passage

180° or other (specify:)

8

Weather code

Glare conditions code

Sea state code

Wave height (m)

True wind speed (knots) OR
Beaufort code

True wind direction (deg)

Ice type code

Ice concentration code

Height of eye (m)

Outdoors or Indoors

1

2

3

2.

0800

Out or In

Observation side: starboard

Bird Information: *this field must be completed for each record

[illegible]

¹ A = 0-50m, B = 51-100m, C = 101-200m, D = 201-300m, E = > 300m, 3 = within 300m but no distance recorded.

²Indicate flight direction (*N, NE, E, SE, S, SW, W, or NW*); *ND* = no apparent direction

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

SEABIRD SURVEY PROTOCOL – MOVING VESSEL

➔ Fill out one sheet per 30 min observation period

AGNICO EAGLE

Observation Period Information:

Company/agency
Platform name and type
Observer (s)
Date (DD/MM/YYYY)
Time at start (UTC)
Time at end (UTC)
Latitude at start / end
Longitude at start / end
Platform activity
Visibility (km)
Weather code
Glare conditions code★

| |
|------------|
| Demagias |
| Nordica |
| C/O |
| 22/10/2012 |
| 08:30 |
| 60°26.5'N |
| 064°14.5'W |
| underway |
| 15' |
| cloudy |
| 0 |

Sea state code★
Wave height (m)
True wind speed (knots) OR Beaufort code
True wind direction (deg)
Ice type code★
Ice concentration code
True platform speed (knots)
True platform direction (deg)
Observation side
Height of eye (m)
Outdoors or indoors
Snapshot used?

| |
|----------------|
| 3 |
| 2 ft |
| W 10 kts |
| W |
| — |
| — |
| 13 kts |
| 113 |
| Starboard Port |
| Out or In |
| Yes or No |

Notes:

Bird Information: *this field must be completed for each record

| * Species | * Count | * Fly or Water? | * In transect?★ | * Distance ¹ | Assoc. | Behav. | * Flight Direc. ² ★ | * Age ³ ★ | * Plum. ⁴ ★ | Sex | Comments |
|-----------|---------|-----------------|-----------------|-------------------------|--------|--------|--------------------------------|----------------------|------------------------|-----|----------|
| Duck | 10 | fly | | 200m | | | S | Adlt | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

★Refer to "Codes" datasheets

SEABIRD SURVEY PROTOCOL – MOVING VESSEL

➤ Fill out one sheet per 30 min observation period

AGNICO EAGLE

Observation Period Information:

Company/agency
Platform name and type

Observer (s)

Date (DD/MM/YYYY)

Time at start (UTC)

Time at end (UTC)

Latitude at start / end

Longitude at start / end

Platform activity

Visibility (km)

Weather code

Glare conditions code★

| | |
|-------------------|-----------|
| Designés | |
| Nacelisa Designés | |
| Nick Brownlain | |
| 20/10/2018 | |
| 1500 | |
| 1530 | |
| 63°07.6'N | 63°08.0'N |
| 83°04.5'W | 82°37.3'W |
| Underway | |
| 20 | |
| 0 | |
| 0 | |

Sea state code

Wave height (m)

True wind speed (knots) OR
Beaufort code

True wind direction (deg)

Ice type code

Ice concentration code

True platform speed (knots)

True platform direction (deg)

Observation site

Height of eye (m)

Outdoors or indoors

Snapshot used?

| |
|----------------|
| 2 |
| 1.0 |
| 13 knots |
| (N) 000° |
| 0 |
| 0 |
| 13 31 knots |
| 090° |
| Shoreland Port |
| 30m |
| Out or (In) |
| Yes or (No) |

Notes:

Bird Information: *this field must be completed for each record

| Species | Count | Fly or Water? | In transect? | Distance ¹ | Assoc. | Behav. | Flight Direc. ² | Age ³ | Phum. ⁴ | Sex | Comments |
|---------|-------|---------------|--------------|-----------------------|--------|--------|----------------------------|------------------|--------------------|-----|----------|
| COLO | 1 | FLY | No | 15 | | | S | | | | |
| HARD | 10 | FLY | No | C | | | SW | | | | |
| UNKN | 5 | water | No | A | | 93 | | | | | |
| UNKN | 3 | FLY | Yes | D | | | E | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

★Refer to "Codes" datasheets

MARINE MAMMAL PROGRAM

➤ Fill out one sheet per observation period

| Observation Period Information: | | | | |
|---------------------------------|------------------|-------------|---|---------------------------------|
| Company/agency | DESGAGNES | | Sea state code ★ | 4 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 2 m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 21 kts |
| Date (DD/MMM/YYYY) | 12/09/2018 | | True wind direction | SE |
| Time at start (UTC) | 1200 | | Ice type code ★ | N/A |
| Time at end (UTC) | 1230 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 62° 26.0'N | 62° 28.5'N | True platform speed (knots) | 10.7 kts |
| Longitude at start / end | 072° 57.1'W | 073° 07.1'W | True platform direction | 299° |
| Visibility (km) | 116 km | | Observation side | Starboard Port Middle |
| Weather code ★ | 1 | | Height of eye (m) | 22 m |
| Glare conditions code ★ | 0 | | Outdoors or Indoors | Out or In |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

★ Refer to "Codes" datasheets



MARINE MAMMAL PROGRAM

➤ Fill out one sheet per observation period

| Observation Period Information: | | | | |
|---------------------------------|------------------|--------------|---|---|
| Company/agency | DESGAGNÉS | | Sea state code ★ | 2 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | < 1 m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 8 KTS |
| Date (DD/MMM/YYYY) | 11/09/2018 | | True wind direction | NW |
| Time at start (UTC) | 2230 | | Ice type code ★ | N/A |
| Time at end (UTC) | 2300 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 61° 28.6' N | 61° 31.2' N | True platform speed (knots) | 12.8 KTS |
| Longitude at start / end | 068° 47.0' W | 068° 59.1' W | True platform direction | 297° |
| Visibility (km) | 16 km | | Observation side | Starboard <input checked="" type="checkbox"/> Port <input type="checkbox"/> Middle <input type="checkbox"/> |
| Weather code ★ | 0 | | Height of eye (m) | 22 m |
| Glare conditions code ★ | 3 | | Outdoors or Indoors | Out <input type="checkbox"/> or <input checked="" type="checkbox"/> In |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

★ Refer to "Codes" datasheets

MARINE MAMMAL PROGRAM

AGNICO EAGLE

➤ Fill out one sheet per observation period

| Observation Period Information: | | | | |
|---------------------------------|------------------|------------|---|------------------------------|
| Company/agency | DESGAGNÉS | | Sea state code ★ | 2 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 2 m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 10 Kts |
| Date (DD/MMM/YYYY) | 11/09/2018 | | True wind direction | 235° |
| Time at start (UTC) | 1200 | | Ice type code ★ | NA N/A |
| Time at end (UTC) | 1230 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 60°35.0'N | 60°37.7'N | True platform speed (knots) | 12.2 Kts |
| Longitude at start / end | 065°00.8'W | 065°12.0'W | True platform direction | 297° |
| Visibility (km) | 16 km | | Observation side | <u>Starboard</u> Port Middle |
| Weather code ★ | 1 | | Height of eye (m) | 22 m |
| Glare conditions code ★ | 0 | | Outdoors or Indoors | Out or <u>In</u> |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

★ Refer to "Codes" datasheets



AGNICO EAGLE

MARINE MAMMAL PROGRAM

➔ Fill out one sheet per observation period

| Observation Period Information: | | | | |
|---------------------------------|------------------|-------------|---|-----------------------|
| Company/agency | DESGAGNÉS | | Sea state code ★ | 1 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | < 1 m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 7 Kts |
| Date (DD/MMM/YYYY) | 11/09/2018 | | True wind direction | N |
| Time at start (UTC) | 1700 | | Ice type code ★ | N/A |
| Time at end (UTC) | 1730 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 61° 00.8'N | 61° 03.2'N | True platform speed (knots) | 11.8 Kts |
| Longitude at start / end | 066° 47.3'W | 066° 58.3'W | True platform direction | 295° |
| Visibility (km) | 16 km | | Observation side | Starboard Port Middle |
| Weather code ★ | 1 | | Height of eye (m) | 22 m |
| Glare conditions code ★ | 0 | | Outdoors or Indoors | Out or In |
| Platform Activity | travelling | | Notes | NO OBSERVATIONS |

★ Refer to "Codes" datasheets

MARINE MAMMAL PROGRAM

➔ Fill out one sheet per observation period

| Observation Period Information: | | | | |
|---------------------------------|------------------|--------------|---|---------------------------------|
| Company/agency | DESGAGNÉS | | Sea state code ★ | 1 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 1m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 8 kts |
| Date (DD/MMM/YYYY) | 12/09/2018 | | True wind direction | SE |
| Time at start (UTC) | 1730 | | Ice type code★ | N/A |
| Time at end (UTC) | 1800 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 62° 33.6' N | 62° 34.5' N | True platform speed (knots) | 14.7 kts |
| Longitude at start / end | 075° 24.3' W | 075° 40.5' W | True platform direction | 279° T |
| Visibility (km) | 16 Km | | Observation side | Starboard Port Middle |
| Weather code ★ | 0 | | Height of eye (m) | 22 m |
| Glare conditions code ★ | 0 | | Outdoors or Indoors | Out or In |
| Platform Activity | TRAVELLING | | Notes | No OBSERVATIONS |

★ Refer to "Codes" datasheets



AGNICO EAGLE

MARINE MAMMAL PROGRAM

➤ Fill out one sheet per observation period

| Observation Period Information: | | | | |
|---------------------------------|------------------|--------------|---|-----------------------------|
| Company/agency | DESGAGNÈS | | Sea state code ★ | 4 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 2m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 27 kts |
| Date (DD/MMM/YYYY) | 12/09/2018 | | True wind direction | NW |
| Time at start (UTC) | 2230 | | Ice type code ★ | N/A |
| Time at end (UTC) | 2300 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 62° 39.1' N | 62° 39.3' N | True platform speed (knots) | 8.8 Kts |
| Longitude at start / end | 077° 29.5' W | 077° 39.8' W | True platform direction | 276° T |
| Visibility (km) | 16 km | | Observation side | Starboard Port Middle |
| Weather code ★ | 1 | | Height of eye (m) | 22 m |
| Glare conditions code ★ | 0 | | Outdoors or Indoors | Out or In |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

★ Refer to "Codes" datasheets

Record sheet for a moving platform survey

Observation Period Information:

| | | | |
|--------------------------|-----------------------------|--|---|
| Company/agency | AGNICO EAGLE MELIADINE | Sea state code | 2 |
| Platform name and type | ACADIA DESGAGNES | Wave height (m) | 1m |
| Observer (s) | STEPHEN BADCOCK | True wind speed (knots) OR Beaufort code | 7 KTS |
| Date (DD/MMM/YYYY) | 21/09/2018 | True wind direction (deg) | NW |
| Time at start (UTC) | 2200 | Ice type code | N/A |
| Time at end (UTC) | 2230 | Ice concentration code | 0 |
| Latitude at start / end | 60° 53.0' N / 60° 50.4' N | True platform speed (knots) | 14.2 KTS |
| Longitude at start / end | 066° 17.3' W / 066° 06.3' N | True platform direction (deg) | 115° T |
| Platform activity | TRAVELLING | Observation side | Starboard Port |
| Visibility (km) | 16 km | Height of eye (m) | 22m |
| Weather code | 0 | Outdoors or Indoors | Out or In <input checked="" type="checkbox"/> |
| Glare conditions code | 0 | Snapshot used? | Yes or No <input checked="" type="checkbox"/> |

Notes:

Bird Information: *this field must be completed for each record

| * Species | * Count | * Fly or Water? | * In transect? | * Distance ¹ | Assoc. | Behav. | Flight Direc. ² | Age ³ | Plum. ⁴ | Sex | Comments |
|-----------|---------|-----------------|----------------|-------------------------|--------|--------|----------------------------|------------------|--------------------|-----|----------|
| UNGU | 3 | FLY | Y | A | 18 | 39 | E | I | NB | M | |
| LTDU | 3 | WATER | Y | A | N/A | 60 | ND | A | NB | M | |
| GLGU | 2 | FLY | Y | A | N/A | 39 | N | A | NB | M | |
| NOFU | 4 | FLY | Y | A | N/A | 39 | S | A | NB | M | |
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¹ A = 0-50m, B = 51-100m, C = 101-200m, D = 201-300m, E = > 300m, 3 = within 300m but no distance recorded.

² Indicate flight direction (N, NE, E, SE, S, SW, W, or NW); ND = no apparent direction

³ J(juvenile), I(immature), or A(dult); ⁴ B(reeding), NB(non-breeding), M(oult)

| | | | |
|--------------------------|----------------------------|--|-----------------------|
| Company/agency | AGNICO EAGLE MELIADINE | Sea state code | 2 |
| Platform name and type | ACADIA DESGAGNES | Wave height (m) | 2m |
| Observer (s) | STEPHEN BADCOCK | True wind speed (knots) OR Beaufort code | 14 kts |
| Date (DD/MM/YYYY) | 21/09/2018 | True wind direction | NW |
| Time at start (UTC) | 1730 | Ice type code | N/A |
| Time at end (UTC) | 1800 | Ice concentration code | 0 |
| Latitude at start / end | 61° 18.5 N / 61° 15.7' N | True platform speed (knots) | 12.8 kts |
| Longitude at start / end | 068° 04.6 W / 067° 52.5' W | True platform direction | 116° T |
| Visibility (km) | 16 km | Observation side | Starboard Port Middle |
| Weather code | 0 | Height of eye (m) | 22m |
| Glare conditions code | 2 | Outdoors or Indoors | Out or B |
| Platform Activity | TRAVELLING | Notes | NO OBSERVATION |

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~~_____~~

| Observation Period Information: | | | | |
|---------------------------------|-----------------------|-------------|--|-----------------------|
| Company/agency | AGNICO EAGLE MELIADNE | | Sea state code | 4 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 1m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR Beaufort code | 12 KTS |
| Date (DD/MM/YYYY) | 19/09/2018 | | True wind direction | W |
| Time at start (UTC) | 1730 | | Ice type code | N/A |
| Time at end (UTC) | 1800 | | Ice concentration code | 0 |
| Latitude at start / end | 62° 26.2'N | 62° 25.2'N | True platform speed (knots) | 13.1 KTS |
| Longitude at start / end | 089° 02.6'W | 088° 48.8'W | True platform direction | 098° T |
| Visibility (km) | 12 Km | | Observation side | Starboard Port Middle |
| Weather code | 1 | | Height of eye (m) | 22m |
| Glare conditions code | 2 | | Outdoors or Indoors | Out or In |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

~~no observations~~
~~one short period period~~

| Observation Period Information | | | | |
|--------------------------------|-------------------------|--|--|--|
| Company/agency | AGNICO EAGLE MELIADINE | | Sea state code | 1 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 1m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR Beaufort code | 6 KTS |
| Date (DD/MMM/YYYY) | 21/09/2018 | | True wind direction | NW |
| Time at start (UTC) | 2230 | | Ice type code | N/A |
| Time at end (UTC) | 2300 | | Ice concentration code | 0 |
| Latitude at start / end | 60° 50.3'N 60° 47.0'N | | True platform speed (knots) | 13.7 KTS |
| Longitude at start / end | 066° 06.2'W 065° 51.9'W | | True platform direction | 115° T |
| Visibility (km) | 16 km | | Observation side | <input checked="" type="radio"/> Starboard <input type="radio"/> Port <input type="radio"/> Middle |
| Weather code | 0 | | Height of eye (m) | 22m |
| Glare conditions code | 0 | | Outdoors or Indoors | Out <input type="radio"/> or <input checked="" type="radio"/> In |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

Observation Period Information:

Glare conditions code

Snapshot used?

Yes or **No**

Notes:

[illegible]

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

Record sheet for a moving platform survey

Observation Period Information:

| | | | | |
|--------------------------|------------------------|-------------|--|----------------------|
| Company/agency | AGNICO EAGLE MELIADINE | | Sea state code | 2 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 2m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR Beaufort code | 12 KTS |
| Date (DD/MM/YYYY) | 21/09/2018 | | True wind direction (deg) | NW |
| Time at start (UTC) | 1700 | | Ice type code | N/A |
| Time at end (UTC) | 1730 | | Ice concentration code | 0 |
| Latitude at start / end | 61° 21.2' N | 61° 18.5 N | True platform speed (knots) | 12.8 KTS |
| Longitude at start / end | 068° 15.6' W | 068° 04.7 W | True platform direction (deg) | 118 |
| Platform activity | TRAVELLING | | Observation side | Starboard Port |
| Visibility (km) | 16 km | | Height of eye (m) | 22m |
| Weather code | 0 | | Outdoors or Indoors | Out or In |
| Glare conditions code | 2 | | Snapshot used? | Yes or No |

Notes:

Bird Information: *this field must be completed for each record

[illegible]

¹ A = 0-50m, B = 51-100m, C = 101-200m, D = 201-300m, E = > 300m, 3 = within 300m but no distance recorded.

²Indicate flight direction (N, NE, E, SE, S, SW, W, or NW); ND = no apparent direction³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

Record sheet for a moving platform survey

Observation Period Information:

| | | | | |
|--------------------------|------------------------|-------------|--|----------------|
| Company/agency | AGNICO EAGLE MELIADINE | | Sea state code | 3 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 2m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR Beaufort code | 20K+5 |
| Date (DD/MM/YYYY) | 21/09/2018 | | True wind direction (deg) | W |
| Time at start (UTC) | 1230 | | Ice type code | N/A |
| Time at end (UTC) | 1300 | | Ice concentration code | 0 |
| Latitude at start / end | 61° 46.6'N | 61° 44.0'N | True platform speed (knots) | 12.7K+5 |
| Longitude at start / end | 070° 05.8'W | 069° 54.9'W | True platform direction (deg) | 115° T |
| Platform activity | TRAVELLING | | Observation side | Starboard Port |
| Visibility (km) | 16 km | | Height of eye (m) | 22m |
| Weather code | 1 | | Outdoors or indoors | Out or In |
| Glare conditions code | 0 | | Snapshot used? | Yes or No |

Notes:

Bird Information: *this field must be completed for each record

[illegible]

¹ A = 0-50m, B = 51-100m, C = 101-200m, D = 201-300m, E = > 300m, 3 = within 300m but no distance recorded.

²Indicate flight direction (N, NE, E, SE, S, SW, W, or NW); ND = no apparent direction

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

| | | | |
|--------------------------|-------------------------|--|---|
| Company/agency | AGNICO EAGLE- MELIADNE | Sea state code | 3 |
| Platform name and type | ACADIA DESGAGNES | Wave height (m) | 1 m |
| Observer (s) | STEPHEN BADCOCK | True wind speed (knots) OR Beaufort code | 18 KTS |
| Date (DD/MM/YYYY) | 21/09/2018 | True wind direction | W |
| Time at start (UTC) | 1200 | Ice type code | N/A |
| Time at end (UTC) | 1230 | Ice concentration code | 0 |
| Latitude at start / end | 61° 49.3'N 61° 46.7'N | True platform speed (knots) | 12.5 KTS |
| Longitude at start / end | 070° 17.4'W 070° 06.0'W | True platform direction | 115 |
| Visibility (km) | 16 km | Observation side | Standard Port Middle |
| Weather code | 1 | Height of eye (m) | 22 m |
| Glare conditions code | 0 | Outdoors or Indoors | Out or <input checked="" type="radio"/> |
| Platform Activity | TRAVELLING | Notes | NO OBSERVATIONS |

~~_____~~
~~_____~~

| | | | | |
|--------------------------|------------------------|-------------|--|---|
| Company/agency | AGNICO EAGLE MELIADINE | | Sea state code | 4 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 2m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR Beaufort code | 21 KTS |
| Date (DD/MM/YYYY) | 20/09/2018 | | True wind direction | NW |
| Time at start (UTC) | 2230 | | Ice type code | N/A |
| Time at end (UTC) | 2300 | | Ice concentration code | 0 |
| Latitude at start / end | 62° 36.0'N | 62° 35.3'N | True platform speed (knots) | 12.5 KTS |
| Longitude at start / end | 076° 14.8'W | 076° 00.5'W | True platform direction | 098° T |
| Visibility (km) | 16 km | | Observation side | Starboard Port Middle |
| Weather code | 1 | | Height of eye (m) | 22m |
| Glare conditions code | 0 | | Outdoors or indoors | Out or <input checked="" type="radio"/> |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

Record sheet for a moving platform survey

Observation Period Information:

Company/agency

Platform name and type

Observer (s)

Date (DD/MMM/YYYY)

Time at start (UTC)

Time at end (UTC)

Latitude at start / end

Longitude at start / end

Platform activity

Visibility (km)

Weather code

Glare conditions code

| | |
|--------------------------|--------------|
| AGNICO EAGLE - MELIADINE | |
| ACADIA DESGAGNES | |
| STEPHEN BADCOCK | |
| 20/09/2018 | |
| 2200 | |
| 2230 | |
| 62° 36.6' N | 62° 36.0' N |
| 076° 27.0' W | 076° 15.0' W |
| TRAVELLING | |
| 16 km | |
| 1 | |
| 0 | |

Sea state code

Wave height (m)

True wind speed (knots) OR Beaufort code

True wind direction (deg)

Ice type code

Ice concentration code

True platform speed (knots)

True platform direction (deg)

Observation side

Height of eye (m)

Outdoors or Indoors

Snapshot used?

| |
|---------------------|
| 4 |
| 2m |
| 18kts |
| 18kts NW |
| N/A |
| 0 |
| 13.6 kts |
| 095° T |
| Starboard Port |
| 22m |
| Out or In |
| Yes or No |

Notes:

Bird Information: *this field must be completed for each record

[illegible]

¹ A = 0-50m, B = 51-100m, C = 101-200m, D = 201-300m, E = > 300m, J = within 300m but no distance recorded.

²Indicate flight direction (N, NE, E, SE, S, SW, W, or NW); ND = no apparent direction³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

| Observation Period Information: | | | | |
|---------------------------------|------------------------|-------------|--|---|
| Company/agency | AGNICO EAGLE MELIADINE | | Sea state code | 3 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 2m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR Beaufort code | 15 KTS |
| Date (DD/MM/YYYY) | 20/09/2018 | | True wind direction | NW |
| Time at start (UTC) | 1730 | | Ice type code | N/A |
| Time at end (UTC) | 1800 | | Ice concentration code | 0 |
| Latitude at start / end | 62° 40.0'N | 62° 40.4'N | True platform speed (knots) | 12.5 KTS |
| Longitude at start / end | 078° 40.0'W | 078° 26.5'W | True platform direction | 087° T |
| Visibility (km) | 16 km | | Observation side | Starboard Port Middle |
| Weather code | 1 | | Height of eye (m) | 22m |
| Glare conditions code | 0 | | Outdoors or Indoors | Out or <input checked="" type="radio"/> |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

~~When the vessel is in the water, the vessel is in the water.~~
~~One of the periods of the period.~~

| Observation Period Information: | | | | |
|---------------------------------|------------------------|------------|--|--|
| Company/agency | AGNICO EAGLE MELIADINE | | Sea state code | 1 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 1 m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR Beaufort code | 4 KTS |
| Date (DD/MMM/YYYY) | 20/09/2018 | | True wind direction | NW |
| Time at start (UTC) | 1200 | | Ice type code | N/A |
| Time at end (UTC) | 1230 | | Ice concentration code | 0 |
| Latitude at start / end | 62°30.2'N | 62°33.8'N | True platform speed (knots) | 12.6 KTS |
| Longitude at start / end | 081°02.9'W | 080°59.1'W | True platform direction | 048°T |
| Visibility (km) | 16 km | | Observation side | Starboard Port Middle |
| Weather code | 1 | | Height of eye (m) | 22m |
| Glare conditions code | 0 | | Outdoors or Indoors | Out or <input checked="" type="checkbox"/> |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

~~One 1000 ft per 1000 ft~~

Changed course to 078°T during observation

Observation Period Information:

| | | | | |
|--------------------------|------------------------|--------------|--|----------------|
| Company/agency | AGNICO EAGLE MELIADINE | | Sea state code | 1 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 1m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR Beaufort code | 6 kts |
| Date (DD/MMM/YYYY) | 20/09/2018 | | True wind direction (deg) | NW |
| Time at start (UTC) | 1230 | | Ice type code | N/A |
| Time at end (UTC) | 1300 | | Ice concentration code | 0 |
| Latitude at start / end | 62° 33.8' N | 62° 34.6' N | True platform speed (knots) | 12.8 kts |
| Longitude at start / end | 080° 52.7' W | 080° 40.1' W | True platform direction (deg) | 078° T |
| Platform activity | TRAVELLING | | Observation side | Starboard Port |
| Visibility (km) | 16 km | | Height of eye (m) | 22m |
| Weather code | 1 | | Outdoors or Indoors | Out or In |
| Glare conditions code | 0 | | Snapshot used? | Yes or No |

Notes:

[illegible]³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

Observation Period Information:

Glare conditions code

2

Snapshot used?

Yes or ~~No~~

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

| Observation Period Information: | | | | |
|---------------------------------|------------------------|-------------|--|---|
| Company/agency | AGNICO EAGLE MELIADINE | | Sea state code | 2 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 1m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR Beaufort code | W |
| Date (DD/MM/YYYY) | 19/09/2018 | | True wind direction | 8 KTS |
| Time at start (UTC) | 2230 | | Ice type code | N/A |
| Time at end (UTC) | 2300 | | Ice concentration code | 0 |
| Latitude at start / end | 62° 14.8'N | 62° 13.7'N | True platform speed (knots) | 13.4 KTS |
| Longitude at start / end | 086° 42.0'N | 086° 28.3'W | True platform direction | 100° T |
| Visibility (km) | 16 Km | | Observation side | Starboard Port Middle |
| Weather code | 0 | | Height of eye (m) | 22m |
| Glare conditions code | 0 | | Outdoors or Indoors | Out or <input checked="" type="radio"/> |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

~~Information removed~~

~~One of the following was observed~~



AGNICO EAGLE

MARINE MAMMAL PROGRAM

➔ Fill out one sheet per observation period

Observation Period Information:

| | | | | |
|--------------------------|------------------|---------------|---|-----------------------|
| Company/agency | DESGAGNÉS | | Sea state code ★ | 3 |
| Platform name and type | ACADIA DESGAGNÉS | | Wave height (m) | 2m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 15 KTS |
| Date (DD/MM/YYYY) | 14/09/2018 | | True wind direction | N |
| Time at start (UTC) | 1230 | | Ice type code ★ | N/A |
| Time at end (UTC) | 1300 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 62° 41.0' N | 62° 40.103' N | True platform speed (knots) | 12.0 KTS |
| Longitude at start / end | 091° 31.0' W | 091° 44.3' W | True platform direction | 290° T |
| Visibility (km) | 8 km | | Observation side | Starboard Port Middle |
| Weather code ★ | 6 | | Height of eye (m) | 22m |
| Glare conditions code ★ | 1 | | Outdoors or Indoors | Out or In |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

★ Refer to "Codes" datasheets

Observation Period Information:

Glare conditions code

3

Snapshot used?

Yes or ~~No~~

Notes:

[illegible]

¹ A = 0-50m, B = 51-100m, C = 101-200m, D = 201-300m, E = > 300m, 3 = within 300m but no distance recorded.

²Indicate flight direction (N, NE, E, SE, S, SW, W, or NW); ND = no apparent direction

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

MARINE MAMMAL PROGRAM



AGNICO EAGLE

➔ Fill out one sheet per observation period

Observation Period Information:

| | | | | |
|--------------------------|------------------|--------------|---|---|
| Company/agency | DESGAGNÉS | | Sea state code ★ | 2 |
| Platform name and type | ACA01A DESGAGNÉS | | Wave height (m) | 1 m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 13 Kts |
| Date (DD/MM/YYYY) | 19/09/2018 | | True wind direction | W |
| Time at start (UTC) | 1200 | | Ice type code ★ | N/A |
| Time at end (UTC) | 1230 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 62° 40.7' N | 62° 39.7' N | True platform speed (knots) | 13.1 Kts |
| Longitude at start / end | 091° 33.7' W | 091° 22.5' W | True platform direction | 076° T |
| Visibility (km) | 16 km | | Observation side | Starboard Port Middle |
| Weather code ★ | 0 | | Height of eye (m) | 22 m |
| Glare conditions code ★ | 3 | | Outdoors or Indoors | Out or <input checked="" type="radio"/> |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

★ Refer to "Codes" datasheets

Observation Period Information:

Glare conditions code

DES GAGNES
ACADIA DES GAGNES
STEPHEN BADCOCK
14/09/2018
1200
1230
62° 39.3' N | 62° 41.0' N
091° 18.9' W | 091° 31.0' W
TRAVELLING
7 Km
6
1

Snapshot used?

| |
|----------------------|
| 3 |
| 2 m |
| 13 Kts |
| NE |
| N/A |
| 0 |
| 11.8 Kts |
| 290° T |
| Starboard Port |
| 22 m |
| Out or in |
| Yes or No |

Notes:

[illegible]

¹ A = 0-50m, B = 51-100m, C = 101-200m, D = 201-300m, E = > 300m, J = within 300m but no distance recorded.
ND = no apparent direction

²Indicate flight direction (N, NE, E, SE, S, SW, W, or NW); ND = no apparent direction

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

MARINE MAMMAL PROGRAM

➔ Fill out one sheet per observation period

Observation Period Information:

| | | | | |
|--------------------------|------------------|--------------|---|-----------------------|
| Company/agency | DESGAGNÉS | | Sea state code ★ | 2 |
| Platform name and type | ACA01A DESGAGNÉS | | Wave height (m) | 2m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 16 KTS |
| Date (DD/MM/YYYY) | 13/09/2018 | | True wind direction | S |
| Time at start (UTC) | 2230 | | Ice type code ★ | N/A |
| Time at end (UTC) | 2300 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 62° 11.2' N | 62° 12.4' N | True platform speed (knots) | 12.6 kts |
| Longitude at start / end | 085° 59.1' W | 085° 12.5' W | True platform direction | 279° T |
| Visibility (km) | 16 Km | | Observation side | Starboard Port Middle |
| Weather code ★ | 1 | | Height of eye (m) | 22m |
| Glare conditions code ★ | 0 | | Outdoors or Indoors | Out or In |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

★ Refer to "Codes" datasheets

Observation Period Information:

Glare conditions code

C

Snapshot used?

Yes or ~~No~~

Notes:

[illegible]

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

MARINE MAMMAL PROGRAM

➔ Fill out one sheet per observation period

Observation Period Information:

| | | | | |
|--------------------------|------------------|-------------|---|---|
| Company/agency | DESGAGNES | | Sea state code ★ | 3 |
| Platform name and type | ACA01A DESGAGNES | | Wave height (m) | 2m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 16 kts |
| Date (DD/MM/YYYY) | 13/09/2018 | | True wind direction | SW |
| Time at start (UTC) | 1730 | | Ice type code ★ | N/A |
| Time at end (UTC) | 1800 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 62° 00.4'N | 62° 01.6'N | True platform speed (knots) | 11.8 kts |
| Longitude at start / end | 083° 48.5'W | 084° 01.5'W | True platform direction | 279° T |
| Visibility (km) | 16 km | | Observation side | Starboard Port Middle |
| Weather code ★ | 1 | | Height of eye (m) | 22m |
| Glare conditions code ★ | 1 | | Outdoors or Indoors | Out or <input checked="" type="radio"/> |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

★ Refer to "Codes" datasheets



AGNICO EAGLE

MARINE MAMMAL PROGRAM

➔ Fill out one sheet per observation period

| Observation Period Information: | | | | |
|---------------------------------|------------------|--------------|---|-----------------------|
| Company/agency | DESCAGNÉS | | Sea state code ★ | 4 |
| Platform name and type | ACA01A DESCAGNÉS | | Wave height (m) | 2 m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR ★ Beaufort code | 25 KTS |
| Date (DD/MMM/YYYY) | 13/04/2018 | | True wind direction | SW |
| Time at start (UTC) | 1230 | | Ice type code ★ | N/A |
| Time at end (UTC) | 1300 | | Ice concentration code ★ | 0 |
| Latitude at start / end | 62° 19.1' N | 62° 15.1' N | True platform speed (knots) | 11.2 KTS |
| Longitude at start / end | 082° 11.2' W | 082° 19.0' W | True platform direction | 223° T |
| Visibility (km) | 16 km | | Observation side | Starboard Port Middle |
| Weather code ★ | 1 | | Height of eye (m) | 22 m |
| Glare conditions code ★ | 0 | | Outdoors or Indoors | Out or 25 |
| Platform Activity | TRAVELLING | | Notes | NO OBSERVATIONS |

★ Refer to "Codes" datasheets

Observation Period Information:

Glare conditions code

Q

Snapshot used?

Yes or No

Vessel changed course to $270^{\circ}T$ before 1300 UTC

[illegible]

¹ A = 0-50m, B = 51-100m, C = 101-200m, D = 201-300m, E = > 300m, 3 = within 300m but no distance recorded.

²Indicate flight direction (N, NE, E, SE, S, SW, W, or NW); ND = no apparent direction

³J(juvenile), I(immature), or A(dult); ⁴B(reeding), NB(non-breeding), M(molt)

Observation Period Information:

Glare conditions code

3

Snapshot used?

Yes or ~~No~~

~~Not a storage case or bin~~

[illegible]

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

Record sheet for a moving platform survey

Observation Period Information:

| | | | | |
|--------------------------|------------------|-------------|--|--|
| Company/agency | DESGAGNES | | Sea state code | 2 |
| Platform name and type | ACADIA DESGAGNES | | Wave height (m) | 2m |
| Observer (s) | STEPHEN BADCOCK | | True wind speed (knots) OR Beaufort code | 6 kts |
| Date (DD/MM/YYYY) | 11/09/2018 | | True wind direction (deg) | 235° |
| Time at start (UTC) | 1230 | | Ice type code | N/A |
| Time at end (UTC) | 1300 | | Ice concentration code | 0 |
| Latitude at start / end | 60° 37.8'N | 60° 40.1'N | True platform speed (knots) | 12.6 kts |
| Longitude at start / end | 065° 12.5'W | 065° 22.7'W | True platform direction (deg) | 297° |
| Platform activity | TRAVELLING | | Observation side | Starboard Port |
| Visibility (km) | 16 km | | Height of eye (m) | 22 m |
| Weather code | 1 | | Outdoors or Indoors | Out or <input checked="" type="checkbox"/> |
| Glare conditions code | 0 | | Snapshot used? | Yes or <input checked="" type="checkbox"/> |

Notes:

Bird Information: *this field must be completed for each record

[illegible]

¹ *A* = 0-50m, *B* = 51-100m, *C* = 101-200m, *D* = 201-300m, *E* = > 300m, *3* = within 300m but no distance recorded.

²Indicate flight direction (N, NE, E, SE, S, SW, W, or NW); ND = no apparent direction

³ *J* (juvenile), *I* (immature), or *A* (adult); ⁴ *B* (breeding), *NB* (non-breeding), *M* (molt).

Observation Period Information:

Glare conditions code

0

Snapshot used?

Yes or ~~No~~

Bird Information: *this field must be completed for each record

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

Observation Period Information:

Glare conditions code

| | |
|------------------|--------------|
| DES GAGNES | |
| ACADIA DESGAGNES | |
| STEPHEN BADCOCK | |
| 12/09/2018 | |
| 1700 | |
| 1730 | |
| 62° 32.8' N | 62° 33.6' N |
| 075° 10.2' W | 075° 24.2' W |
| TRAVELLING | |
| 16 km | |
| 0 | |
| 0 | |

Snapshot used?

| |
|---------------------------|
| 1 |
| 1 m |
| 7 kts |
| SE |
| N/A |
| 0 |
| 14.3 kts |
| 279° T |
| Starboard Port |
| 22 m |
| Out or off |
| Yes or No |

Notes:

[illegible]

³J(juveniles), I(immature), or A(adult); ⁴B(breeding), NB(non-breeding), M(molt)

Observation Period Information:

Glare conditions code

1

Snapshot used?

Yes or ~~NE~~

Notes: Cleared to 16 Km visibility

³*J*(juvenile), *I*(immature), or *A*(adult); ⁴*B*(breeding), *NB*(non-breeding), *M*(molt)

Agnico-Eagle Mines:
Meadowbank Division Environment Department



AGNICO EAGLE
MEADOWBANK

Daily log sheet for the wildlife monitor when in Baker Lake

Name of the wildlife monitor *Sandy Aggarik*
Date *2018-08-03*

| Task to complete with BL employees | Yes or No | Action to Take | Comments |
|---|------------|--|--|
| Have you get in touch with the spud barge supervisor? | <i>Yes</i> | Time of the meeting: <i>14:47</i> | |
| Have you give the spud barge supervisor a contact number? | <i>No</i> | Contact number: | <i>will remain at office until boarding ship</i> |
| Did you get the information regarding the next departure | <i>Yes</i> | Next departure date and time: <i>when raining stops</i> | |
| Did you advice the guesthouse cook of your schedule | | Name of the guesthouse cook you talk too: | |

| Task to complete with Env. employee | Yes or No | Action to Take | Comments |
|---|---------------------------------|--|-------------------------------------|
| Did you gave the environment department any update: meadowbank.environment@anicoeagle.com or phone call 1-819-759-3555 6747/6744)6759 | | Who did you contact and what time: <i>Janie Kataluk picked up passenger from Calm Air</i> | |
| <i>793-4612</i> Have you send yesterday's daily report | <i>No. arrived in Baker</i> | | <i>arrived on commercial flight</i> |

Signature:

date:

Agnico-Eagle Mines:
Meadowbank Division Environment Department



AGNICO EAGLE

MEADOWBANK

Daily log sheet for the wildlife monitor when in Baker Lake

Name of the wildlife monitor *Sandy Aggeek*

Date *2018-08-05*

| Task to complete with BL employees | Yes or No | Action to Take | Comments |
|---|------------|---|----------|
| Have you get in touch with the spud barge supervisor? | <i>Yes</i> | Time of the meeting: <i>10:30 AM</i> | |
| Have you give the spud barge supervisor a contact number? | <i>NO</i> | Contact number: | |
| Did you get the information regarding the next departure | <i>NO</i> | Next departure date and time: | |
| Did you advice the guesthouse cook of your schedule | <i>Yes</i> | Name of the guesthouse cook you talk too: | |

| Task to complete with Env. employee | Yes or No | Action to Take | Comments |
|---|-----------|------------------------------------|-----------------------------|
| Did you gave the environment department any update: meadowbank.environment@anicoeagle.com or phone call 1-819-759-3555 6747/6744) | <i>NO</i> | Who did you contact and what time: | <i>Just arrived on ship</i> |
| Have you send yesterday's daily report | <i>NO</i> | | <i>first day on ship</i> |

Signature:

date:

Agnico-Eagle Mines:
Meadowbank Division Environment Department



Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggar*
Date: *22/08/2018*
Vessel: *Dava Desgagnés*
Direction: *Baker Lake to unload Fuel*
Weather: *Clear*
Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *8:45 to 11:55*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|---------------|-------------|--|-----------------------|------------------------|------------------------------|--|-------------|
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Signature:

Date:

Agnico-Eagle Mines:
Meadowbank Division Environment Department



AGNICO EAGLE
MEADOWSBANK

Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggar*
Date: *21/08/2018*
Vessel: *Dora DeSgagne*
Direction: *Reloading fuel*
Weather: *Clear/Cloudy*
Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30):

8:50^{Am} to 11:55^{Am} and 12:45 to 4:50 and 5:45 to 9:30

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|---------------|-------------|--|-----------------------|------------------------|------------------------------|--|-------------|
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Signature: *Sandy Aggar*

Date: *21/08/2018*

Agnico-Eagle Mines:
Meadowbank Division Environment Department



Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggarik*

Date: *20/08/2018*

Vessel: *Dava Desgagnés*

Direction: *South to reload fuel*

Weather: *Clear*

Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *8:40^{AM} to 12:00 and 1:00 and 5:04 and 5:55*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|---------------|-------------|--|-----------------------|------------------------|------------------------------|--|-------------|
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Signature: *Sandy Aggarik*

Date: *20/08/2018*

Agnico-Eagle Mines:
Meadowbank Division Environment Department



Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggar*
 Date: *19/08/2018*
 Vessel: *Dura Desgagnés*
 Direction: *South Bound to reload fuel*
 Weather: *clear*
 Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *9:00^{AM} to 11:40 and 12:35 to 4:55 and 5:32 to 9:15*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|-------------------|----------------------------------|--|-----------------------|------------------------|------------------------------|--|-------------|
| <i>19/08/2018</i> | <i>64.26861°N 95.89639°W</i> | <i>Musk Ox</i> | <i>16</i> | <i>2.4M</i> | | <i>Eating</i> | <i>NO</i> |
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Signature: *Sandy Aggar*

Date: *19/08/2018*

Agnico-Eagle Mines:
Meadowbank Division Environment Department



Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: Sandy Aggarck

Date: 17/08/2018

Vessel: Rosa Desgagnés

Direction: Back to Baker Lake to unload fuel

Weather: clear

Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): 8:30^{AM} to 11:45^{AM} and 12:40 to 4:50 and 5:45 to 9:15

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|----------------------------------|--|--|-----------------------|------------------------|------------------------------|--|-------------|
| <u>17/08/2018</u> <u>4:18</u> | <u>64.02201°N</u> <u>94.32009°W</u> | <u>MUSK OX</u> | <u>2</u> | <u>1.5m</u> | | <u>resting</u> | <u>NO</u> |
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Signature: Sandy Aggarck

Date: 17/08/2018

Agnico-Eagle Mines:
Meadowbank Division Environment Department



AGNICO EAGLE
MEADOWBANK

Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggarik*

Date: *16/08/2018*

Vessel: *Qasa Desgagne*

Direction: *Back to Baker Lake to unload fuel*

Weather: *Clear / windy*

Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *8:30^{AM} to 11:55^{PM} and 12:50 to 4:55 and 5:50 to 9:20*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|---------------|-------------|--|-----------------------|------------------------|------------------------------|--|-------------|
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Signature: *Sandy Aggarik*

Date: *16/08/2018*

Agnico-Eagle Mines:
Meadowbank Division Environment Department



Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggarck*

Date: *15/08/2018*

Vessel: *Dara Desgagnés*

Direction: *South to Island Fuel*

Weather: *Fair*

Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *9:30^{am} to 11:55 and 12:45 to 4:50 and 5:50 to 9:30*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|-------------------------------|------------------------------------|--|-----------------------|------------------------|------------------------------|--|-------------|
| <i>15/08/2018 1:50 PM</i> | <i>64°02'38" N 94°31'20" W</i> | <i>MUSK OX</i> | <i>2</i> | <i>2.1 m</i> | | <i>Eating / rousing</i> | <i>NO</i> |
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Signature: *Sandy Aggarck*

Date: *15/08/2018*

Agnico-Eagle Mines:
Meadowbank Division Environment Department



Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Gandy Aggarik*
Date: *13/08/2018*
Vessel: *Dora Desgagnés*
Direction: *Back to Baker Lake to unload fuel*
Weather: *Clear*
Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *7:55^{am} to 11:15^{am} and 12:00 to 4:45 and 5:30 to 9:00*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|---------------|-------------|--|-----------------------|------------------------|------------------------------|--|-------------|
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Signature: *Gandy Aggarik*

Date: *13/08/2018*

Agnico-Eagle Mines:
Meadowbank Division Environment Department



Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggar*

Date: *11/08/2018*

Vessel: *Dora Desgagnés*

Direction:

Weather: *Foggy*

Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *8:00^{Am} to 11:45^{Am} and 12:25 to 3:45 and 4:40 to 9:35*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|---------------|-------------|--|-----------------------|------------------------|------------------------------|--|-------------|
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Signature: *Sandy Aggar*

Date: *11/08/2018*

Agnico-Eagle Mines:
Meadowbank Division Environment Department



Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggarik*

Date: *10/08/2018*

Vessel: *Dora Desgagnés*

Direction: *South Bound to reload more fuel*

Weather: *Fair*

Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *7:55^{PM} to 11:15^{PM} and 12:10^{PM} to 4:00^{PM} and 5:00^{PM} to 8:30^{PM}*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|--------------------------------|----------------------------------|--|-----------------------|------------------------|------------------------------|--|-------------|
| <i>10/08/2018 8:42 AM</i> | <i>61.01010°N 94.32408°W</i> | <i>MUSK OX</i> | <i>26</i> | <i>3.2 M</i> | | <i>Eating/Grazing</i> | <i>NO</i> |
| <i>10/08/2018 10:37 AM</i> | <i>64.11505°N 94.44532°W</i> | <i>MUSK OX</i> | <i>1</i> | <i>1.1 m</i> | | <i>Eating</i> | <i>NO</i> |
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Signature: *Sandy Aggarik*

Date: *10/08/2018*

Agnico-Eagle Mines:
Meadowbank Division Environment Department



Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: Sandy Aggar K

Date: Wed/Aug/08/2018

Vessel: Para Desguines

Direction: Back to Baker lake to offload fuel

Weather: Cloudy / Fair

Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): 6:30^{Am} to 11:30^{Am} and 12:00^{Pm} to 4:30^{Pm} and 5:00^{Pm} to 9:45^{Pm}

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|-----------------------|--------------------------|--|-----------------------|------------------------|------------------------------|--|-------------|
| 08/08/2018 7:50 AM | 64.98964°N 96.31817°W | MUS K OX 2 | 2 | 2.4 m | | Eating / grazing | NO |
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Signature: Sandy Aggar K

Date: Wed/Aug/08/2018

Agnico-Eagle Mines:
Meadowbank Division Environment Department



AGNICO EAGLE
MEADOWBANK

Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggarik*

Date: *Aug 06 / 2018*

Vessel: *Dora Desjardins*

Direction: *South bound to mother ship to reload fuel*

Weather: *Fair*

Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *7:40 AM to 11:30 AM and 12:30 to 3:15 and 3:30 to 5:15 and 6:00 to 9:30*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|---------------|-------------|--|-----------------------|------------------------|------------------------------|--|-------------|
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Signature: *Sandy Aggarik*

Date: *Aug 06 / 2018*

Agnico-Eagle Mines:
Meadowbank Division Environment Department



AGNICO EAGLE
MEADOWBANK

Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggarik*

Date: *Tuesday Aug 107/2018*

Vessel: *Dura Desgagnés*

Direction: *Southbound to reload some fuel*

Weather: *calm / cloudy*

Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *5:00 AM to 7:00 and 7:30 AM to 11:45 AM and 1:15 PM and 1:45 to 4:30 and 5:05 to 9:15*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|-------------------|--------------------|--|-----------------------|------------------------|------------------------------|--|-------------|
| <i>04/08/2018</i> | <i>63°55'30" N</i> | <i>Musk ox</i> | <i>1 male</i> | | | <i>Eating / Grazing</i> | <i>NO</i> |
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Signature: *Sandy Aggarik*

Date: *07/08/2018*

Agnico-Eagle Mines:
Meadowbank Division Environment Department



Daily log sheet for the wildlife monitor when on the boat

Wildlife monitor name: *Sandy Aggarik*

Date: *12/08/2018*

Vessel: *Dora Desgagnés*

Direction:

Weather: *Windy/Clear*

Time on deck (ex. from 8:25 to 11:00 and from 12:15 to 17:30): *7:45^{AM} to 11:11^{AM} and 12:30 to 4:45 and 5:40 to 8:35*

| Date and Time | Coordinates | Animal(s) Observed and certainty of ID | Number of individuals | Distance to animal (m) | Bearing from Bow (clockface) | Comments: animal behaviour or mitigation require | Photo (Y/N) |
|---------------|-------------|--|-----------------------|------------------------|------------------------------|--|-------------|
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Signature: *Sandy Aggarik*

Date: *12/08/2018*



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