Appendix 30

Meadowbank and Whale Tail 2025 Marine Mammal and Seabird Report

PREPARED FOR

AGNICO EAGLE

Meadowbank Complex and Meliadine Mine

Marine Mammal and Seabird Annual Report, 2025

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Meadowbank Complex and Meliadine Mine

Marine Mammal and Seabird Annual Report, 2025

March 2026

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ACRONYMS AND ABBREVIATIONS

ΔAIC	difference (delta) in Akaike's Information Criterion (AIC)
%	percent
Agnico Eagle	Agnico Eagle Mines Limited
AIC	Akaike's Information Criterion
AIS	Automatic Identification System
CI	Confidence Interval
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
COVID-19	coronavirus disease 2019
ECSAS	Eastern Canada Seabirds at Sea
ERM	ERM Consultants Canada Ltd.
GIS	geographic information system
GPS	Global Positioning System
Groupe Desgagnés	Groupe Desgagnés, Inc.
km	kilometre
km^2	square kilometre
m	metre
MMMMP	Marine Mammal Management and Monitoring Plan
MMSO	Marine Mammal and Seabird Observer
NA	not applicable
NIRB	Nunavut Impact Review Board
PC	Project Certificate
SE	standard error
SMP	Shipping Management Plan
SOP	standard operating procedure
Woodward	Woodward Group of Companies

EXECUTIVE SUMMARY

Agnico Eagle Mines Limited (Agnico Eagle) operates two mines in eastern Nunavut: the Meadowbank Complex (comprised of the Meadowbank Mine and Whale Tail Mine), approximately 85 kilometres (km) north of the hamlet of Baker Lake, and the Meliadine Mine, approximately 25 km north of Rankin Inlet. Agnico Eagle supplies these mines through annual sealifts during the ice-free conditions via shipping. The shipping company Groupe Desgagnés, Inc. (Groupe Desgagnés) supplies dry cargo, and the Woodward Group of Companies (Woodward) supplies fuel.

Agnico Eagle holds three Project Certificates (PCs) from the Nunavut Impact Review Board (NIRB) for Meadowbank Complex (Nos. 004 and 008) and Meliadine Mine (No. 006). These PCs include conditions related to the protection of marine mammals and seabirds, including the requirement to avoid sensitive breeding and habitat areas for marine mammals and seabirds, and conduct a Marine Mammal and Seabird Observer (MMSO) program (see Table 1 for Compliance to Project Conditions).

The objective of the Marine Mammal and Seabird Annual Report, 2025, is to provide a summary of the MMSO data collected by Groupe Desgagnés, Woodward, and local marine wildlife monitors during the 2025 MMSO program. MMSO program results from the previous years for Meliadine Mine (2017 to 2024) and Meadowbank Complex (2018 to 2024) are provided in the report to allow for a comparison between years.

Similar to previous years, vessel crew were provided training materials prior to the shipping season. These training materials were developed to improve the MMSO data collection. Compared to pre-2020 levels, vessel participation in MMSO surveys has increased. In 2025, 24 vessels serviced the mines between June and November: 9 for Meadowbank and 7 for Meliadine, while 8 serviced both. Datasheets were obtained from 21 of the 24 trips in 2025, providing a similar amount of data compared to previous years.

Adherence to Mitigation Measures—Setbacks from Sensitive Habitats

In compliance with Term and Condition 39 of Whale Tail Mine Certificate No. 008, vessels must follow a setback distance of 500 metres (m) from colonies and aggregations of seabirds and marine mammals while transiting through the Hudson Strait, Hudson Bay, and Chesterfield Inlet. In addition, vessels must follow a setback distance of 2 km from Marble Island, as per Meliadine's Shipping Management Plan (SMP; Agnico Eagle 2025b).

Vessel tracks from 2025 were plotted on a map relative to identified sensitive areas for wildlife. Where detailed data were available, vessels were shown to avoid these areas where safe to do so. Groupe Desgagnés and/or Woodward vessel tracks crossed through the 2 km setback polygon at Marble Island on three occasions. Agnico Eagle continues to train vessel captains regularly and remind them of the importance of maintaining sensitive habitat buffers prior to shipping season.

TABLE 1 PROJECT CERTIFICATES, CONDITIONS, COMPLIANCE, AND DOCUMENT SECTION

PC and Condition	Compliance Status and Description	Section in MMSO Report
Meadowbank PC 004, Condition 36 Cumberland shall ensure the placement of local area marine mammal monitors onboard all vessels transporting fuel or materials for the Project through Chesterfield Inlet.	**In Compliance** • Local area marine mammal monitors conducted surveys aboard vessels transiting between Chesterfield Inlet and Baker Lake between 2008 and 2019 and between 2022 to 2025. • During 2020 and 2021, due to the COVID-19 pandemic, local monitors could not board vessels, and vessel crew conducted the monitoring.	1.6 Overview 3.4 Results
Meadowbank PC 004, Condition 41 Subject to vessel and human safety considerations, Cumberland shall require shippers carrying cargo to the Project through Chesterfield Inlet to follow the following mitigation procedures in the event that marine mammals are in the vicinity of the shipping activities: a. Wildlife will be given right of way; b. Ships will maintain a straight course, constant speed, and will avoid erratic behaviour; and c. When marine mammals appear to be trapped or disturbed by vessel movements, the vessel will stop until the mammals have moved away from the area.	**In Compliance** • In 2020, Agnico Eagle updated the maps and training materials outlining setbacks and mitigation measures to apply when marine mammals and seabirds are in the vicinity of shipping activities. These training materials were provided to Groupe Desgagnés and Woodward for distribution to all captains and bridge crew of vessels supplying Agnico Eagle's Nunavut mines from 2020 through 2025. • Where sufficient data are available, vessel tracks show vessels avoiding sensitive areas for marine wildlife.	1.3 Training 1.4 Mitigation 3.1 Results
Whale Tail PC 008, Condition 38 The Proponent shall ensure that marine shipping activities avoid sensitive wildlife habitat and species along the shipping route and use a routing south of Coats Island as the primary shipping route, subject to vessel and human safety considerations.	**In Compliance** • In 2025, Agnico Eagle continued to emphasize the importance of routing south of Coats Island. However, due to safety concerns associated with inclement weather south of Coats Island, travel north of Coats Island was required on six occasions.	3.1 Results

PC and Condition	Compliance Status and Description	Section in MMSO Report
Whale Tail PC 008, Condition 39 The Proponent shall ensure that, subject to vessel safety requirements, a setback distance of at least 500 m is maintained from colonies and aggregations of seabirds and marine mammals during Project shipping transiting through Hudson Strait, Hudson Bay, and Chesterfield Inlet.	**In Compliance** • In 2020, Agnico Eagle updated the maps and training materials outlining setbacks and mitigation measures to be applied when marine mammals and seabirds are observed in the Project area along the shipping route. These materials were provided to Groupe Desgagnés and Woodward for distribution to all captains and bridge crew of vessels supplying Agnico Eagle from 2020 through 2025. • Vessel tracks, where sufficient data are available, show vessels avoiding sensitive areas for marine wildlife except on three occasions near Marble Island and one near Coats Island.	1.3 Training 1.4 Mitigation 3.1 Results
Whale Tail PC 008, Condition 40 The Proponent shall develop and implement a ship-based marine mammal monitoring program, as part of a Marine Mammal Management and Monitoring Plan, in consultation with Fisheries and Oceans Canada, communities, and other interested parties. The Proponent shall report any accidental contact by project vessels with marine mammals or seabird colonies to applicable responsible authorities including Fisheries and Oceans Canada and Environment and Climate Change Canada.	**In Compliance** • In 2020, Agnico Eagle updated the training materials for MMSO monitoring. These materials were provided to Groupe Desgagnés and Woodward for distribution to all captains and bridge crew of vessels supplying Agnico Eagle from 2020 through 2025. • Results of MMSO monitoring show compliance with updated training materials. • No vessel strikes with marine mammals or seabirds were reported.	1.3 Training 1.4 Mitigation 3.2 Marine Mammal Results 3.3 Seabird Results Appendices A, B, C (training documents, including mitigation summary and SOPs)
Meliadine PC 006, Condition 82 The Proponent shall require all contracted shipping companies to provide full-time marine wildlife monitoring using trained observers and established data collection and recording protocols. Monitoring plans should include provisions for all *Species At Risk Act* (2002) and for the Committee on the Status of Endangered Wildlife in Canada listed species (birds and mammals).[a]	**In Compliance** • In 2020, Agnico Eagle updated the training materials for MMSO monitoring. These materials were presented to Groupe Desgagnés and Woodward for distribution to all captains and bridge crew of vessels supplying Agnico Eagle from 2020 through 2025. Vessel companies assigned MMSO duties to dedicated crew members. • Results of MMSO monitoring show compliance with updated training materials. • No vessel strikes with marine mammals or marine birds were reported.	1.3 Training 1.4 Mitigation 3.2 Marine Mammal Results 3.3 Seabird Results

PC and Condition	Compliance Status and Description	Section in MMSO Report
Meliadine PC 006, Condition 83 The Proponent shall ensure that, subject to vessel and human safety considerations, all Project shipping adhere to the following mitigation procedures while in the vicinity of marine mammals (including polar bear [*Ursus maritimus*]) and birds: a. Marine mammals will be given right of way; b. Ships will, when possible, maintain a straight course and constant speed, avoiding erratic behaviour; and c. When marine mammals appear to be trapped or disturbed by vessel movements, the vessel will implement appropriate measures to mitigate disturbance, including stoppage of movement until wildlife have moved away from the immediate area.	**In Compliance** • In 2020, Agnico Eagle updated the maps and training materials outlining setbacks and mitigation measures to apply when marine mammals and seabirds are observed. These materials were provided to Groupe Desgagnés and Woodward for distribution to all captains and bridge crew of vessels supplying Agnico Eagle Nunavut mines from 2020 through 2025. • Vessel tracks, where sufficient data are available, show vessels avoiding sensitive areas for marine wildlife except for three occasions near Marble Island and one near Coats Island.	1.3 Training 1.4 Mitigation 3.1 Results

Notes:
Agnico Eagle = Agnico Eagle Mines Limited; COSEWIC = Committee on the Status of Endangered Wildlife in Canada; COVID-19 = coronavirus disease 2019; Groupe Desgagnés = Groupe Desgagnés, Inc.; MMMMP = Marine Mammal Management and Monitoring Plan; MMSO = Marine Mammal and Seabird Observer; m = metre; PC = Project Certificate; SOP = standard operating procedure; Woodward = Woodward Group of Companies
[a] Source: COSEWIC (2024)

Adherence to Mitigation Measures for Vessel Travel Routes

Vessels are required to transit south of Coats Island whenever the weather is safe to do so. The majority (75 percent [%]) of vessels servicing the Meadowbank and Meliadine mines in 2025 travelled south of Coats Island. Vessels travelled north of Coats Island on six occasions, three in July, one in September, and two in October, all due to unfavourable sea conditions along the route and inclement weather.

Marine Mammal Monitoring

In 2025, 97 moving transect and 115 stationary surveys for marine mammals with survey effort recorded were completed. There was a total of 21 marine mammal sightings (6 during surveys and 15 incidentally) during the 2025 shipping season, compared to 23 sightings (surveys and incidentally) in 2024. Between 2017 and 2025, the majority of marine mammal sightings were recorded in the Hudson Strait or near Marble Island and Chesterfield Inlet. The number of marine mammal sightings was too low to allow for density analysis to be conducted. Groupe Desgagnés and Woodward did not record any marine mammal–vessel interactions (e.g., strikes) in 2025 or in previous years (2017 through 2024).

Seabird Monitoring

No accidental contact between vessels and seabirds was recorded in 2025 or in previous years. In 2025, a total of 116 transects and 134 stationary surveys with survey effort recorded were completed.

In 2025, 2,430 birds were recorded during moving vessel surveys. Among the 2,430 birds recorded, 28 different species were identified, with 5 different species remaining unidentified. The most common species recorded in 2025 during moving vessel surveys were Dovekie (*Alle alle;* n = 1,277), Razorbill (*Alca torda*; n = 326) and Northern Fulmar (*Fulmarus glacialis*; n = 311). Seabird detectability and density were estimated using models that account for lower detectability of birds with greater distance from survey transects. Detectability estimates were mostly consistent between years, with the highest estimate in 2022, followed by 2025, and the lowest estimate in 2020. Differences in estimated density reflect variability in the effort and number of birds detected between years.

During stationary surveys in 2025, 369 seabird sightings were recorded, belonging to 15 identified species and 3 unknown species. The most commonly recorded species were Surf Scoter (*Melanitta perspicillata*; n = 110), Northern Fulmar (n = 104) and Iceland Gull (*Larus glaucoides;* n = 55). In 2025, the detection estimate for stationary seabird surveys was lower than in previous years.

Marine Wildlife Observations—Baker Lake

Agnico Eagle conducts a program that involves community wildlife observers on barges ferrying supplies between Helicopter Island and Baker Lake within Chesterfield Inlet. Community wildlife observers record wildlife sightings incidentally. In 2025, local wildlife monitors were on the vessels for a total of 49 days in July, August, and October between Helicopter Island and Baker Lake. Wildlife were observed on 439 occasions in 2025. There were 434 separate sightings of birds (a total of 2,701 individuals) and an additional 5 incidental observations of muskox (*Ovibos moschatus*; 112 individuals). The most frequently recorded birds were unknown gull/tern species.

In addition to community wildlife observers, the shipping companies continued to record marine wildlife sightings while vessels were travelling between Helicopter Island and Baker Lake to supplement the community observer effort. In 2025, crew members onboard the Tuvaq W. recorded one incidental sighting of a harbour porpoise (*Phocoena phocoena*) in August in Baker Lake. In addition, the Tuvaq W. completed 1 seabird survey in 2025, which had sufficient survey effort information recorded (9.75 km). A total of 8 seabirds (three species) were observed during this survey.

While anchored at Helicopter Island, vessels also completed stationary surveys. In 2025, 37 stationary surveys were completed for marine mammals at Helicopter Island; however, no marine mammals were observed during these surveys. For seabirds, 63 stationary surveys were completed (61 of which had survey effort information recorded), and 29 seabirds were recorded (4 different species).

1. INTRODUCTION

1.1 PROJECT BACKGROUND

Agnico Eagle Mines Limited (Agnico Eagle) operates two mines in eastern Nunavut: the Meadowbank Complex (comprised of the Meadowbank Mine and Whale Tail Mine) and the Meliadine Mine. Agnico Eagle contracts the shipping company Groupe Desgagnés Inc. (Groupe Desgagnés) to ship cargo and the Woodward Group of Companies (Woodward) to ship fuel from Bécancour, Quebec, to its Nunavut Operations. Since 2017, Agnico Eagle has required shipping companies to conduct vessel-based monitoring of marine mammals and seabirds.

This Marine Mammal and Seabird Observer (MMSO) Annual Report summarizes results of the 2025 monitoring program and includes results from previous years for comparison (2018 through 2024). The MMSO monitoring program and report are structured to satisfy the following Project Certificate (PC) conditions from the Nunavut Impact Review Board (NIRB):

- Meadowbank NIRB PC No. 004, Terms and Conditions 36 and 41 (NIRB 2018);
- Whale Tail NIRB PC No. 008, Terms and Conditions 38, 39, and 40 (NIRB 2020); and
- Meliadine Mine NIRB PC No 006, Terms and Conditions 82 and 83 (NIRB 2022).

The MMSO Program is fully outlined in:

- The Meadowbank Complex Shipping Management Plan (SMP) Version 5 (Agnico Eagle 2025a); and
- The Meliadine SMP Version 10 (Agnico Eagle 2025b).

Because the requirements for the Meadowbank Complex and Meliadine Mine are very similar, the 2025 MMSO Annual Report addresses reporting for both mines, as has been reported since 2020.

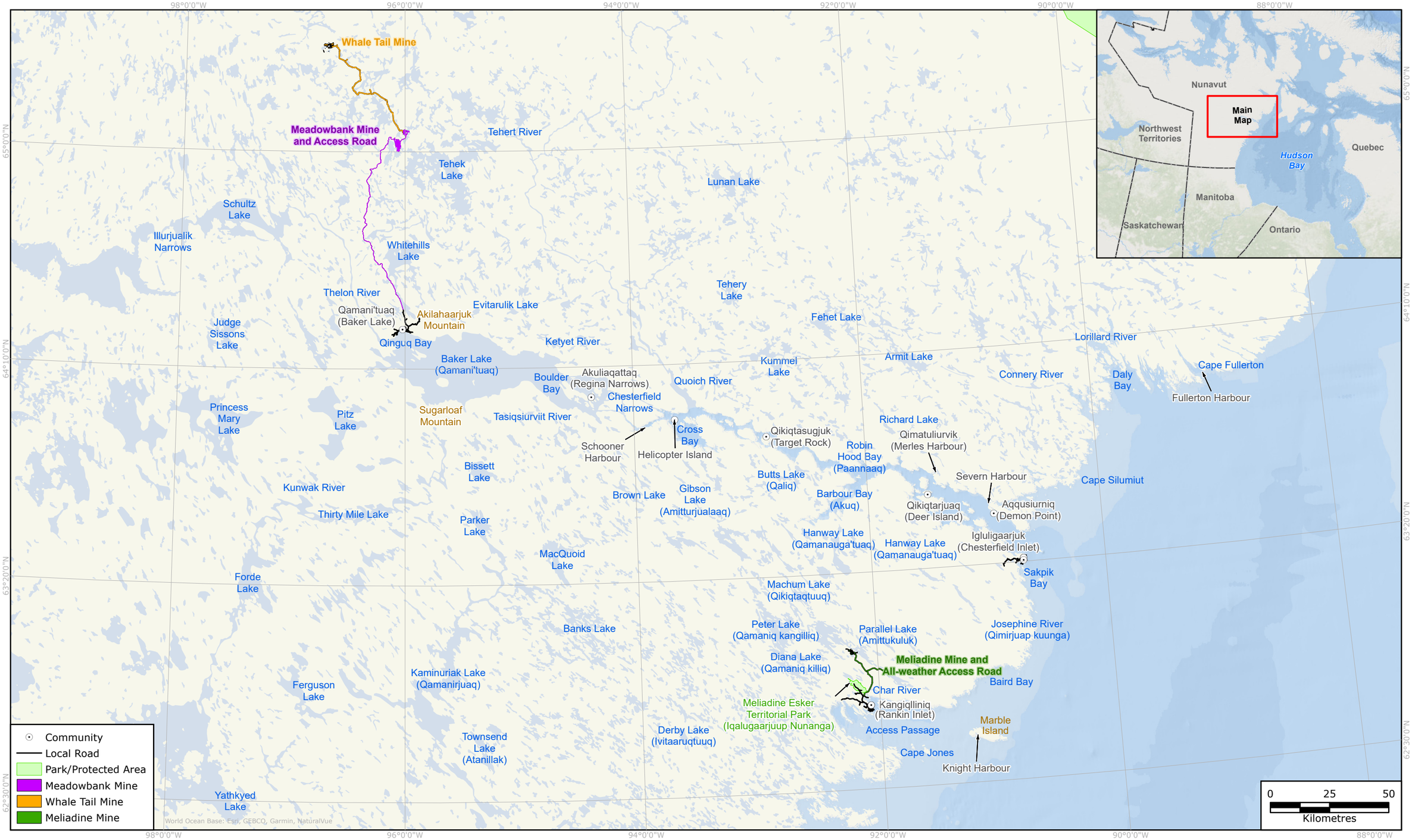
1.1.1 AGNICO EAGLE MEADOWBANK COMPLEX

Agnico Eagle Meadowbank Complex operates the Meadowbank Mine and Whale Tail Mine (Figure 1.1-1). The Meadowbank Complex holds NIRB PC Nos. 004 and 008.

Shipping is carried out during the open water season (typically from July to late October) and follows recommended established shipping routes for the annual sea lift to Chesterfield Inlet, Baker Lake, and other communities. The shipping route extends through the Hudson Strait and across Hudson Bay to Chesterfield Inlet (Figure 1.1-2). At Helicopter Island in Chesterfield Inlet, dry cargo is lightered onto tug-assisted barges, and fuel is lightered onto smaller shuttle tankers for Groupe Desgagnés and/or Woodward through the Baker Lake access passage (Chesterfield narrows, south channel) to the Meadowbank Mine barge unloading facilities and the laydown area in Baker Lake.

To satisfy Term and Condition 36 of Meadowbank Mine PC No. 004, a local area marine wildlife monitor is required to be onboard all vessels transporting fuel or materials for the Meadowbank Mine through Chesterfield Inlet.

FIGURE 1.1-1 MELIADINE MINE AND MEADOWBANK COMPLEX LOCATIONS



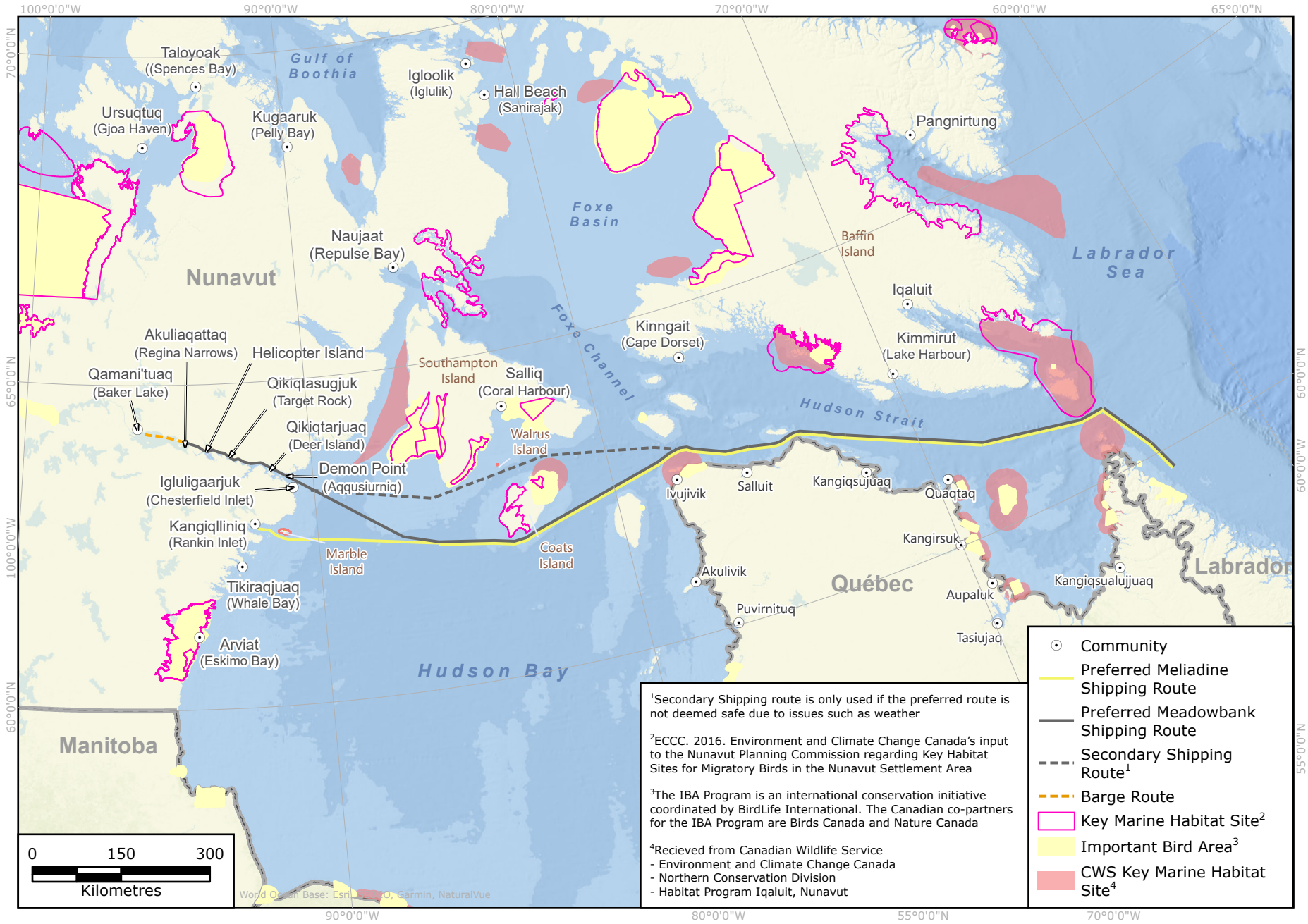
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FIGURE 1.1-2 MARINE MAMMAL AND SEABIRD OBSERVER PROGRAM STUDY AREA ALONG SHIPPING ROUTE TO MELIADINE MINE AND MEADOWBANK COMPLEX



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CLIENT: Agnico Eagle
GIS NUMBER: AEG-15-077-02

DATE: 01/22/2026

PROJECTION: Canada Lambert Conformal Conic
SCALE: 1:9,000,000 when printed at 8.5x11

Term and Condition 39 of Whale Tail Mine Certificate No. 008 requires that vessels servicing the mine must follow a setback distance of 500 metres (m) from colonies and aggregations of seabirds and marine mammals while transiting through the Hudson Strait, Hudson Bay, and Chesterfield Inlet. Vessels must also maintain a minimum of 100 m from marine mammals, as per Marine Mammal Regulations s.7(3).

1.1.2 AGNICO EAGLE MELIADINE DIVISION

Agnico Eagle Meliadine Division operates the Meliadine Mine (Figure 1.1-1), which holds NIRB PC No. 006.

Shipping is carried out during the open water season (typically from July to late October) and follows established shipping routes for the annual sea lift to Rankin Inlet and other Kivalliq communities. The shipping route study area extends through Hudson Strait and across Hudson Bay to Rankin Inlet, with vessels anchoring either outside or inside Melvin Bay (Figure 1.1-2).

1.1.3 MARINE MAMMAL AND SEABIRD OBSERVER ANNUAL REPORT OVERVIEW

This MMSO Annual Report provides an overview of the following:

- Training, mitigation, and monitoring associated with shipping (Sections 1.3, 1.4, and 1.5);
- The vessels that supplied Meadowbank Complex and Meliadine Mine in 2025 (Section 3.1);
- Mitigation measures conducted by shipping vessels, including setbacks from sensitive habitats, travelling south of Coats Island, and avoiding marine mammals and seabirds observed at sea (Sections 3.1.1, 3.1.2, and 3.1.3);
- The results of the marine mammal monitoring conducted from 2017 to 2025 (2017 monitoring was for Meliadine Mine only; Section 3.2);
- The results of the seabird monitoring conducted from 2018 to 2025 (Section 3.3); and
- The results of the community surveys carried out between Helicopter Island in Chesterfield Inlet and the hamlet of Baker Lake from 2008 to 2025 (Section 3.4).

1.2 OBJECTIVES

The Meadowbank and Meliadine SMPs include appendices that outline the MMSO program within the Meadowbank Complex Marine Mammal and Seabird Management and Monitoring Plan (Agnico Eagle 2025c) and Meliadine Marine Environmental Management Plan (Agnico Eagle 2025d) that is implemented by Agnico Eagle shipping contractors (Agnico Eagle 2025a, 2025b). The MMSO program is required to be implemented during shipping activities in the marine Regional Study Area (which encompasses Hudson Strait through Hudson Bay along the shipping route in Figure 1.1-2) and in Chesterfield Inlet.

The MMSO Program was developed to meet commitments made during the NIRB hearings related to marine shipping. It is required that the MMSO Program is conducted during all routine shipping activities along the shipping route from Hudson Strait to the mines. The objectives of the MMSO Program are to ensure compliance with Agnico Eagles approval conditions, by:

- Mitigating interactions between marine mammals and seabirds and vessels;
- Collecting information on marine wildlife presence along the shipping route; and
- Engaging local community members to record sightings of wildlife opportunistically while travelling through Chesterfield Inlet.

This report presents a summary of the MMSO data collected by Groupe Desgagnés, Woodward, and local MMSO monitors onboard their vessels in 2025.

1.3 MARINE MAMMAL AND SEABIRD OBSERVER TRAINING

Training provided by Agnico Eagle for the assigned MMSOs was updated in 2020. Minor updates to the seabird datasheets were completed in 2021, 2022, and 2023. The seabird standard operating procedure (SOP) was updated in 2023 following comments from Environment and Climate Change Canada to use 5-minute survey intervals for seabird surveys (see survey methods in Section 2.3). In 2025, Agnico Eagle held meetings with Groupe Desgagnés and Woodward prior to the shipping season to review the obligations related to the MMSO Program and the importance of the program for compliance.

Training was also provided to vessel captains and crew, and monthly meetings were held with the shipping companies to provide additional recommendations and feedback on data collection. The training materials included the following:

- A Marine SMP Summary Brochure (Appendix A), which is reviewed by captains and MMSOs, and is kept by captains onboard the vessel for reference. This document summarizes guidelines for the operation of vessels in proximity to marine mammals (e.g., how to transit near animals and a list of preferred routes), mitigation measures for captains, as well as a summary of the monitoring program and survey techniques;
- A pre-trip training presentation/webinar which is reviewed by vessel crew members; the recorded webinar is also available on the ship for MMSOs to review, as needed;
- The Marine Mammal Monitoring SOP (Appendix B) and the Seabird Monitoring SOP (Appendix C), which details the methods for marine mammal and seabird surveys;
- Identification guides and posters provided to MMSOs and crew to assist in identifying marine mammals and seabirds;
- Marine Mammal Sightings Form, Seabird Sightings Form, Incidental Marine Wildlife Sightings Form, and MMSO Incident Report Form (Attachments in Appendices B and C) to be completed by MMSOs and captains; and
- A one-page fact sheet for marine mammal surveys and a one-page fact sheet for seabird surveys that highlight survey methodologies for the MMSOs.

1.4 MARINE MAMMAL AND SEABIRD MITIGATION

Project Conditions 004, 006, and 008 require vessels supplying the Meadowbank Complex and Meliadine Mine to avoid sensitive marine mammal and seabird habitats such as haulouts and breeding colonies. Mitigation and management measures (summarized from Section 4.2 of the SMPs for Meadowbank Complex and Meliadine Mine; Agnico Eagle 2025a, 2025b) include the following:

- General navigational requirements while travelling through Hudson Straight to Helicopter Island or Rankin Inlet include the following:
  - Ships will, when possible, maintain a straight course and constant speed and avoid erratic behaviour.
  - Marine mammals will be given right of way as safe navigation allows.
  - The ship will not be operated in such a way as to separate (an) individual member(s) of a group of marine mammals from other members of the group.
  - Ships will maintain the required setback distances (500 m) around marine mammals and seabirds on land.
  - Ships will use routing south of Coats Island as the primary shipping route.
  - Ships travelling for the Meliadine Mine will remain at least 2 kilometres (km) from Marble Island to avoid disturbing seals, walruses, and marine birds that might be in the vicinity.
  - Ships will maintain the required setback distances around marine mammals and seabirds in the water (between 100 and 500 m, depending on group size or behaviour of animals; see Appendix A).
- As part of the shipping companies' SOPs, ship crews will monitor for marine mammals and seabirds from Hudson Strait to the lightering point near Helicopter Island (Meadowbank) or Rankin Inlet (Meliadine).
- The ship's Master will be notified if there is a concern that the ship might strike a marine mammal.
- Ship personnel are required to take actions to avoid a possible collision by implementing management measures (e.g., reduce speed and/or stop the vessel until the animal moves away), if safe to do so.
- If a collision occurs, the appropriate people will be contacted, and the incident will be documented.

The vessel routes and their avoidance of sensitive wildlife areas, observations of marine mammals and seabirds that would trigger mitigation, and the mitigation that occurred, if any, are provided in Section 3.

1.5 MARINE WILDLIFE OBSERVATIONS—BAKER LAKE

To satisfy TC 36 of Meadowbank Mine PC No. 004, a local area marine wildlife monitor is required onboard all vessels transporting fuel or dry cargo for the Meadowbank Mine on barge shipping between Helicopter Island and Baker Lake. Local area marine wildlife observers record observations of wildlife as incidental sightings. These results are presented in Section 3.4.

In addition to local monitors, both Groupe Desgagnés and Woodward MMSOs continued to complete marine wildlife observations between Helicopter Island and Baker Lake. These results are presented in Sections 3.2 and 3.3, and are summarized in Section 3.4.1.

2. METHODS

Groupe Desgagnés and Woodward crew members were assigned MMSO duties and trained to complete the surveys following the SOPs (Appendices B and C) in accordance with the methods outlined in the SMPs (Agnico Eagle 2025a, 2025b). These methods are summarized below and described in detail in Appendices B and C.

2.1 VESSEL TRACKS

Agnico Eagle provided ERM Consultants Canada Ltd. (ERM) with a list of vessel names and dates of delivery for shipments to Meadowbank Complex and Meliadine Mine. Transport Canada requires each vessel to transmit Automatic Identification System (AIS) data via a transceiver onboard. Other vessels and Vessel Traffic Services use these data to monitor vessel movements. ERM acquired archived AIS data from Vesseltracker, a commercial AIS supplier that aggregates AIS data from satellite and shore-based stations. These data vary in frequency, based on distance from shore, location of shore-based stations, and position of satellites. In some cases, AIS position data are available on an hourly or sub-hourly basis, but in other cases, position data can include 12 hours or more between fixes.

Tracks for the vessel names and dates Agnico Eagle provided were downloaded from Vesseltracker (2025) and plotted using ArcGIS Pro 3.5.4. Only vessels travelling to Meadowbank Complex or Meliadine Mine are presented in this report. Important bird areas and marine mammal aggregations were buffered by 500 m, and Marble Island was buffered by 2 km, as defined by the SMPs (Agnico Eagle 2025a, 2025b), to establish setback polygons. A geographic information system (GIS) was used to perform an overlay and near analysis to identify which lines and points intersected or were close to these buffered areas.

2.2 MARINE MAMMALS

Marine mammal surveys were completed while the vessels were travelling to Agnico Eagle mines. The dedicated MMSO carried out surveys from a high location on the vessel, either on the bow or in the wheelhouse, depending on the weather. To mitigate observer fatigue and eye strain, marine mammal surveys should last for a minimum of 1.5 hours to no more than 2 hours. A precise scan routine was carried out throughout the marine mammal observation period, as described in the Marine Mammal Management and Monitoring Plan (MMMMP) and the Marine Mammal Survey SOP (Agnico Eagle 2025c, 2025d; Appendix B).

Marine mammals observed during the survey periods were recorded on the Marine Mammal Sightings Form (Appendix B). Data collected included Global Positioning System (GPS) location, distance to the animal, angle to the animal, number of individuals, species, and behaviour. If a marine mammal had been observed during the voyage outside of the dedicated marine mammal observation period (i.e., off-effort), it was recorded as an incidental sighting on the Incidental Marine Wildlife Sightings Form (Appendix B).

Further details regarding survey methods for marine mammals are provided in the SOP provided in Appendix B and within the MMMMP (Agnico Eagle 2025c, 2025d).

2.2.1 MARINE MAMMAL DATA ANALYSIS

This section outlines the methods used to summarize the environmental conditions, observer effort, and marine mammal sightings. Not enough marine mammal sightings were recorded during the MMSO programs to conduct a density analysis. However, the possibility for a density analysis will be revisited annually.

2.2.1.1 TEMPORAL AND SPATIAL OBSERVATION EFFORT

Temporal (hours) and spatial (km) survey effort are the efforts dedicated to marine mammal surveys. Spatial effort was calculated as linear kilometres using GPS coordinates that were recorded at the start and end of each MMSO survey transect. To determine temporal effort (i.e., the time spent completing marine mammal surveys), start and end times were recorded on the datasheets. If a start or end location, or a start or end time was not entered in the datasheet, then spatial and/or temporal effort could not be calculated for that survey and was excluded from the survey effort.

2.2.1.2 ENVIRONMENTAL VARIABLES

During surveys, environmental variables were recorded on the datasheets. These variables included wind speed and direction, sea state (Beaufort scale), weather (e.g., precipitation and cloud conditions), visibility (in km), and sun glare. Environmental variables were summarized as a percentage of survey time.

2.3 SEABIRDS

Dedicated MMSOs completed surveys from moving and stationary platforms according to the *Eastern Canada Seabirds at Sea (ECSAS) Standardized Protocol for Pelagic Seabird Surveys from Moving and Stationary Platforms* (Gjerdrum et al. 2012). The dedicated MMSOs conducted surveys for seabirds from a high location on the vessel, either on the bridge or in the wheelhouse, depending on the weather. Surveys were out at the same location on the vessel as much as possible. Such surveys were best completed along a transect line; therefore, MMSOs started seabird observation periods when the vessel was moving, and would continue moving was in a straight line for an extended period (refer to Section 2.4.3, Moving Vessel Surveys, of Appendix C). If the vessel was stationary (e.g., anchored) for a day or a portion of the day, then a seabird survey was required while anchored to ensure that the minimum of one survey per day is met (refer to Stationary Vessel Survey, Section 2.4.4 of Appendix C).

For both survey types (moving and stationary), MMSOs used binoculars or spotting scopes used to confirm observation details and species identification. All seabirds observed during surveys were recorded, including species, number of individuals, location (in flight or on water), distance from the vessel, breeding plumage, and behaviour. Additional information regarding the seabird surveys can be found in Appendix C.

MMSOs completed each seabird survey period on a moving vessel during six consecutive 5-minute periods, repeated three times a day to capture morning, afternoon, and evening periods, when possible. MMSOs conducted a precise scan routine within 300 m from the vessel, as described in the MMMMP and the Seabird Survey SOP (Agnico Eagle 2025c, 2025d; Appendix C). All birds

observed within this 300 m transect, whether flying or on the water, were recorded and considered in-transect sightings.

For stationary vessel surveys, MMSOs completed a 180 degrees semi-circle scan of the surrounding area from the front (bow) of the vessel. All birds observed within 300 m were recorded and considered to be in the transect. The survey interval ended when all seabirds within the semi-circle were recorded. If no seabirds were seen during the initial scan, the survey was considered complete.

During the voyage, if a seabird was observed outside of the dedicated seabird observation period (i.e., off-effort), the MMSP recorded the sighting as an incidental on the Incidental Marine Wildlife Sightings Form (Appendix B).

2.3.1 SEABIRD DATA ANALYSIS

2.3.1.1 TEMPORAL AND SPATIAL OBSERVATION EFFORT

Starting in 2022, crew member training emphasized completing 5-minute interval surveys, as per the *Eastern Canada Seabirds at Sea (ECSAS) Standardized Protocol for Pelagic Seabird Surveys from Moving and Stationary Platforms* (Gjerdrum et al. 2012). Shipping companies recorded the start and end times and positions for each 5-minute interval of a survey (for moving vessel surveys). Each survey consisted of six 5-minute intervals. Survey effort was summarized by incorporating all six intervals. However, each 5-minute interval was considered separately for distance models, because the precise start and end locations are required for modelling.

For seabird surveys, the number of survey hours and kilometres surveyed were recorded as indices of effort. Spatial effort is recorded for moving vessel surveys only, while temporal effort is reported for both moving vessel and stationary vessel surveys. Seabird spatial effort was calculated as linear kilometres using GPS coordinates recorded by Groupe Desgagnés and Woodward at the start and end of each survey interval. Start and end times recorded on datasheets were used to determine temporal effort (i.e., the time spent completing the seabird surveys).

2.3.1.2 ENVIRONMENTAL VARIABLES

During surveys, MMSOs recorded environmental variables on survey datasheets. These variables included wind speed (Beaufort scale) and direction, sea state, weather (e.g., precipitation and cloud conditions), visibility, and sun glare. Environmental variables were summarized according to the number of seabird detections so that any trends with poorer weather or visibility conditions could be visually assessed.

2.3.1.3 DATA ANALYSIS

Distance analyses estimate how the diminishing detectability of objects (e.g., birds) decreases with increasing distance from observers. For example, observers are more likely to see and identify a bird flying within 50 m than a bird flying 300 m away. Because observers are more likely to miss birds at greater distances, the number of birds recorded does not represent the true abundance of birds in the area. Distance models account for these detectability changes into account and allowed for a more accurate estimation of seabird density (Buckland et al. 2001).

Seabird data was analyzed using distance software adapted for R[1] (distance package version 2.0.1, running on R version 4.5.1; Miller et al. 2019; R Core Team 2021). Distance analysis involves two steps: 1) model fitting for the detectability curve, and 2) density estimates (for moving vessel surveys), as described below.

Prior to completing the distance analysis, the observation data were binned into the following distance categories for analysis: 0 to 50 m, 50 to 100 m, 100 to 200 m, and 200 to 300 m. The closest distance bins were further investigated for grouping in case evasive movements were causing an abnormal detection distribution (e.g., if there were more sightings further than 50 m away because birds dove or flew away as the ship approached). However, no abnormal detection distribution was observed, and therefore, no changes were required to the distance binning categories.

Due to low sample size limiting modelling fitting capabilities (Buckland et al. 2001), distance model selection did not include environmental variables. To determine if any major anomalies were present with poor weather (e.g., rain, snow, or fog), a visual assessment of variation in detection rate according to environmental variables was conducted.

Model key functions were first fit to the data to determine which model best describes the observed change in detection with distance (the detectability). The three main key functions are hazard rate, half-normal, and uniform. Hazard-rate curves indicate that detection rates remain high at closer distances (i.e., birds are just as likely to be detected between 0 and 100 m of an observer) but drops off steeply as distance increases beyond 100 m. Half-normal curve detection rates decrease slightly up to a certain distance, at which the detection rate decreases rapidly (i.e., the likelihood of a bird being detected between 0 and 100 m decreases slightly and decreases drastically past 100 m [Miller et al. 2019]). These key functions can have additional adjustment terms that refine the main model fit, namely cosine, simple polynomial, and hermite polynomial adjustments. All model key function and adjustment combinations were tested to ensure model fit. Models accounted for variable detection rates according to group size. Analyses included only on-transect sightings and did not use re-sightings of the same birds or incidental survey intervals that were missing effort data.

Models were selected using the minimum Akaike's Information Criterion (AIC; Akaike 1973). The AIC is a number that is helpful for comparing models, as it includes measures of both how well the model fits the data and how complex the model is. The top models were identified as having a low AIC and were within a two-unit difference (delta) in AIC (ΔAIC; in other words, ΔAIC is less than or equal to 2) of the top-ranked model (i.e., the model with the lowest AIC; Burnham and Anderson 2004). This is the industry standard for identifying models that are essentially "equally good" at explaining the data. Models with a ΔAIC of 2 to 4 from the top model are generally considered to have "limited support" (Burnham and Anderson 2004). Top models were also checked for adequate goodness of fit indices, including plotting model curves against the data.

[1] Programming language

The density of seabirds was estimated via distance modelling from moving vessel surveys, and density estimates are presented as individuals per square kilometre (km^2) in this report.
Seabird density was not calculated for stationary vessel surveys because they lack spatial effort at individual points, and because, although multiple surveys were conducted per point, the data were too sparse to model.

2.4 MARINE WILDLIFE OBSERVATIONS—BAKER LAKE

When transporting equipment and fuel from Bécancour to Baker Lake, deep-water vessels can enter Chesterfield Inlet but must stop at Helicopter Island at the west end of the inlet.
The material is then loaded aboard barges, and tugs move the barges through the narrow passage connecting Chesterfield Inlet to Baker Lake, and then onto the hamlet of Baker Lake.

To satisfy Term and Condition 36 of Meadowbank Mine PC No. 004, a local area marine wildlife monitor is required onboard all vessels transporting fuel or materials for the Meadowbank Complex on barge shipping between Helicopter Island and Baker Lake. Local area marine wildlife observers recorded all observations of wildlife as incidental sightings. Note that in 2020 and 2021, community members were not permitted to board vessels due to health and safety restrictions in place related to the coronavirus disease 19 (COVID-19) pandemic. Therefore, during 2020 and 2021, Groupe Desgagnés and Woodward had their MMSOs record sightings of marine mammals and seabirds when possible while travelling on the barge, following methods described in Sections 2.2 and 2.3. Local monitors completed the marine wildlife surveys in 2025. Additional surveys completed by Groupe Desgagnés and Woodward MMSOs are presented in Sections 3.2 and 3.3 and summarized in Section 3.4.1.

3. RESULTS

3.1 SHIPPING ACTIVITY IN 2025

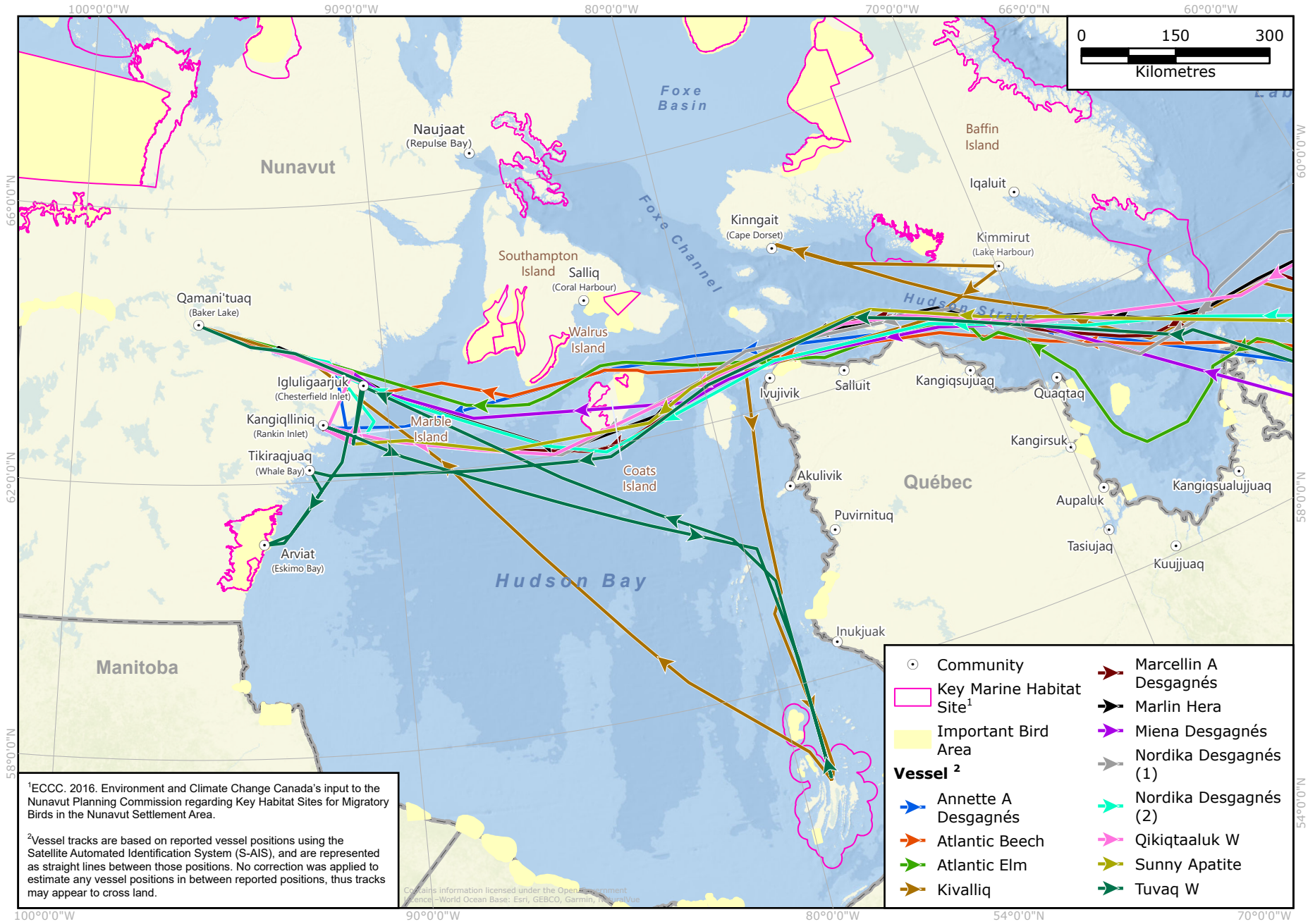
During the 2025 shipping season, a total of 24 vessels (2 tugs, 13 cargo ships, and 9 fuel tankers), travelled to Meadowbank (9 vessels), Meliadine (7 vessels), or to both Meadowbank and Meliadine (8 vessels) with arrival dates between 30 June and 1 November 2025 (Table 3.1-1; Figures 3.1-1 through 3.1-4).

TABLE 3.1-1 SUMMARY OF GROUPE DESGAGNÉS AND WOODWARD VESSELS DURING THE SHIPPING SEASON, JUNE TO NOVEMBER 2025

Vessel Name	Fuel or Cargo	Mine and Number of Trips			Total Trips
		Meadowbank	Meliadine	Meadowbank and Meliadine	
Kivalliq W	Fuel	2	-	-	2
Sunny Apatite	Fuel	-	-	1	1
Tuvaq W[a]	Fuel	1	-	1	2
Marlin Hera	Fuel	-	-	2	2
Qikiqtaaluk W	Fuel	-	2	-	2
Nordika Desgagnés	Cargo	1	1	2	4
Atlantic Elm Tug[b]	Cargo	1	-	-	1
Atlantic Beech Tug[b]	Cargo	1	-	-	1
Marcellin A. Desgagnés	Cargo	1	2	1	4
Annette A. Desgagnés	Cargo	-	1	1	2
Acadia Desgagnés	Cargo	1	-	-	1
Miena Desgagnés	Cargo	1	-	-	1
Sedna A. Desgagnés	Cargo	-	1	-	1
Total		**9**	**7**	**8**	**24**

Notes:
Groupe Desgagnés = Groupe Desgagnés, Inc.; Woodward = Woodward Group and Companies
Dashes (-) indicate vessel did not service that site.
[a] Between July and November, the Tuvaq W. vessel was transiting between Helicopter Island and Baker Lake for the Meadowbank Complex; however, these are not all considered separate trips due to the nature of the vessel transiting only locally.
[b] Between July and November, the Atlantic Elm and Atlantic Beech tugs were also transiting between Helicopter Island and Baker Lake for the Meadowbank Complex; however, these are not all considered separate trips due to the nature of the tugs transiting only locally.

FIGURE 3.1-1 GROUPE DESGAGNÉS AND WOODWARD SHIPPING TRACKS ARRIVING IN JUNE & JULY, 2025



[1]ECCC. 2016. Environment and Climate Change Canada's input to the Nunavut Planning Commission regarding Key Habitat Sites for Migratory Birds in the Nunavut Settlement Area.

[2]Vessel tracks are based on reported vessel positions using the Satellite Automated Identification System (S-AIS), and are represented as straight lines between those positions. No correction was applied to estimate any vessel positions in between reported positions, thus tracks may appear to cross land.

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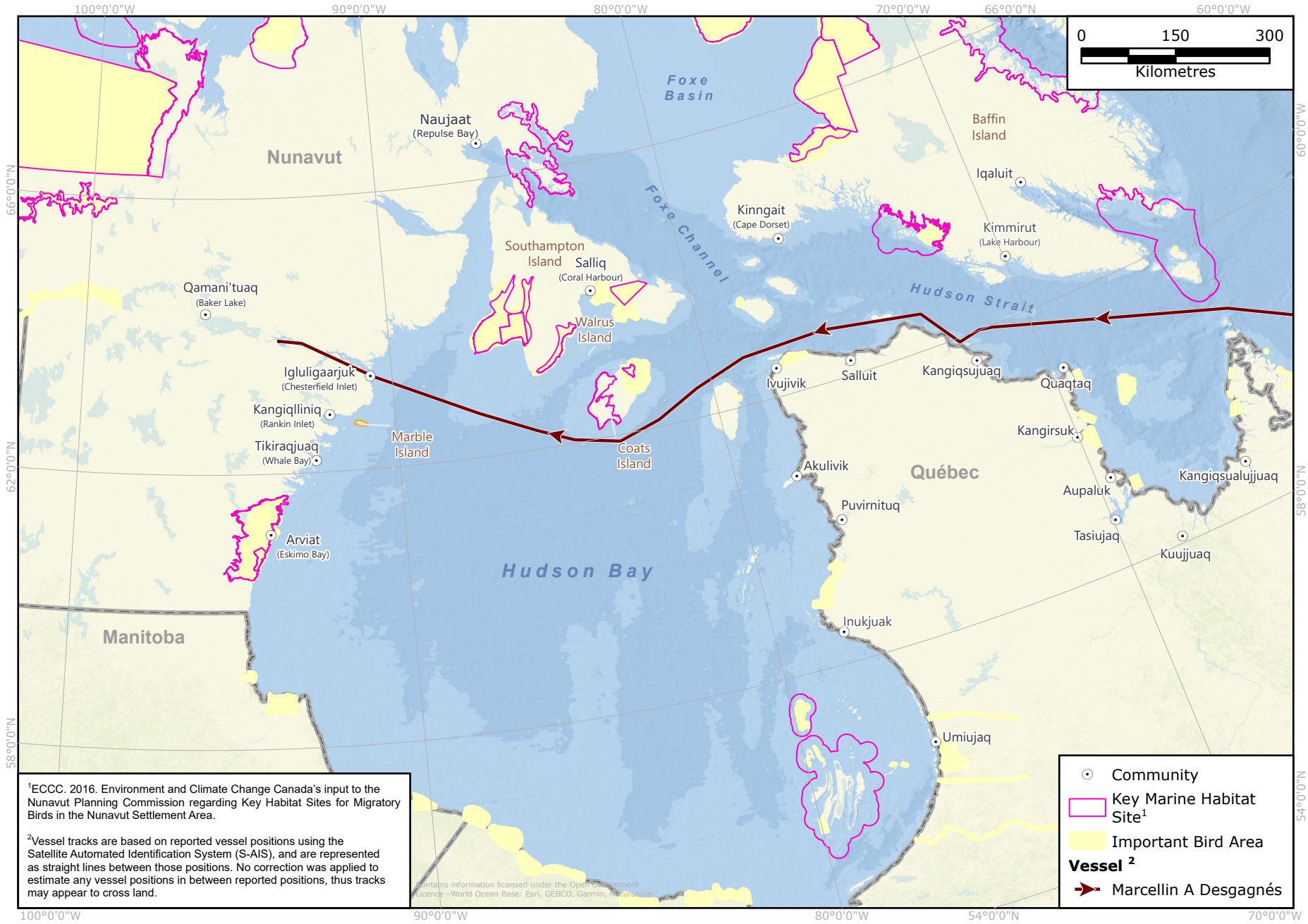
ERM

CLIENT: Agnico Eagle
GIS NUMBER: AEG-23-039-01

DATE: 03/05/2026

PROJECTION: Canada Lambert Conformal Conic
SCALE: 1:8,500,000 when printed at 8.5x11

FIGURE 3.1-2 GROUPE DESGAGNÉS SHIPPING TRACKS ARRIVING IN AUGUST, 2025



[1]ECCC. 2016. Environment and Climate Change Canada's input to the Nunavut Planning Commission regarding Key Habitat Sites for Migratory Birds in the Nunavut Settlement Area.

[2]Vessel tracks are based on reported vessel positions using the Satellite Automated Identification System (S-AIS), and are represented as straight lines between those positions. No correction was applied to estimate any vessel positions in between reported positions, thus tracks may appear to cross land.

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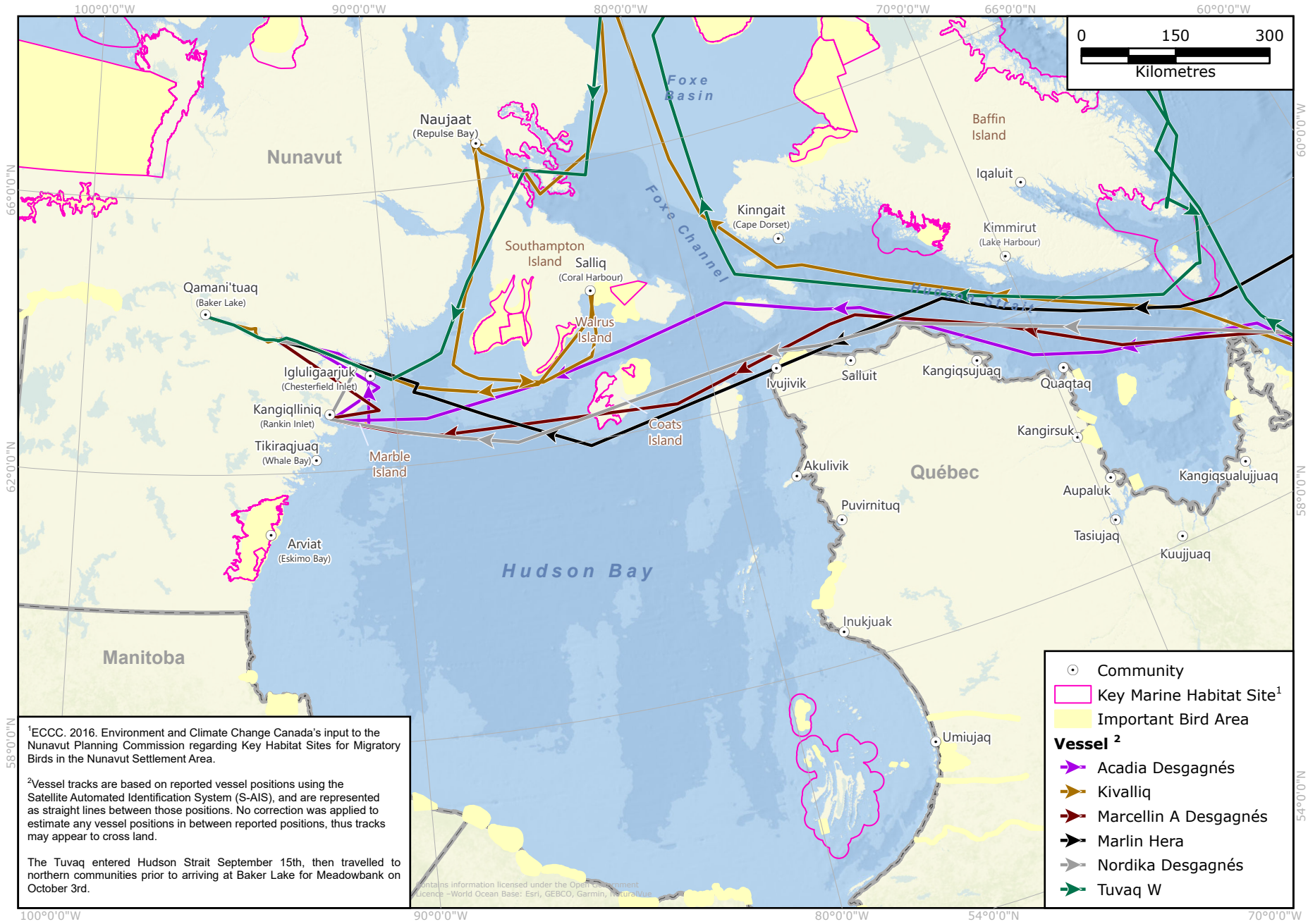
ERM

CLIENT: Agnico Eagle
GIS NUMBER: AEG-23-039-02

DATE: 03/05/2026

PROJECTION: Canada Lambert Conformal Conic
SCALE: 1:8,500,000 when printed at 8.5x11

FIGURE 3.1-3 GROUPE DESGAGNÉS AND WOODWARD SHIPPING TRACKS ARRIVING IN SEPTEMBER, 2025



[1]ECCC. 2016. Environment and Climate Change Canada's input to the Nunavut Planning Commission regarding Key Habitat Sites for Migratory Birds in the Nunavut Settlement Area.

[2]Vessel tracks are based on reported vessel positions using the Satellite Automated Identification System (S-AIS), and are represented as straight lines between those positions. No correction was applied to estimate any vessel positions in between reported positions, thus tracks may appear to cross land.

The Tuvaq entered Hudson Strait September 15th, then travelled to northern communities prior to arriving at Baker Lake for Meadowbank on October 3rd.

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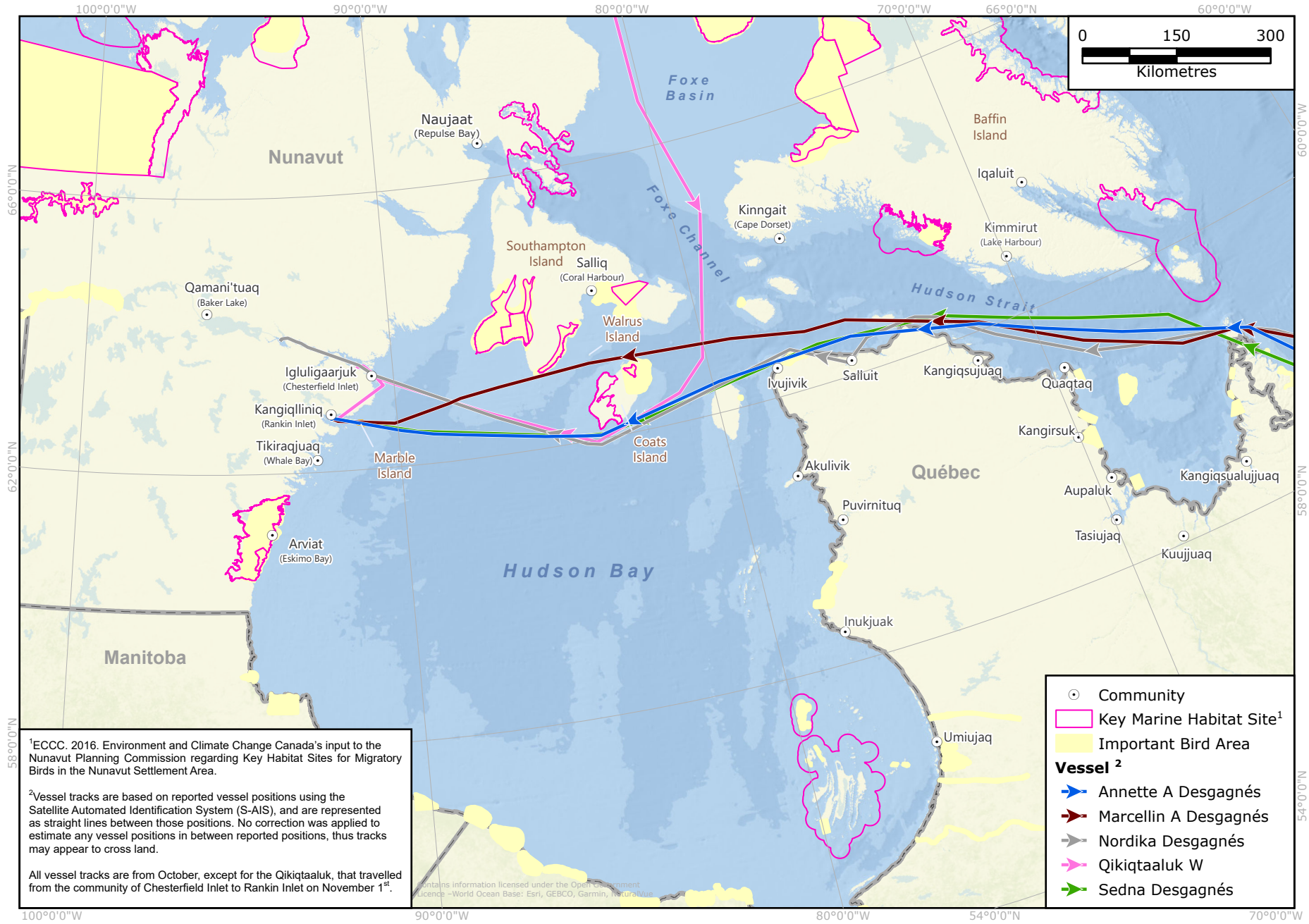
ERM

CLIENT: Agnico Eagle
GIS NUMBER: AEG-23-039-03

DATE: 03/05/2026

PROJECTION: Canada Lambert Conformal Conic
SCALE: 1:8,500,000 when printed at 8.5x11

FIGURE 3.1-4 GROUPE DESGAGNÉS AND WOODWARD SHIPPING TRACKS ARRIVING IN OCTOBER AND NOVEMBER, 2025



[1]ECCC. 2016. Environment and Climate Change Canada's input to the Nunavut Planning Commission regarding Key Habitat Sites for Migratory Birds in the Nunavut Settlement Area.

[2]Vessel tracks are based on reported vessel positions using the Satellite Automated Identification System (S-AIS), and are represented as straight lines between those positions. No correction was applied to estimate any vessel positions in between reported positions, thus tracks may appear to cross land.

All vessel tracks are from October, except for the Qikiqtaaluk, that travelled from the community of Chesterfield Inlet to Rankin Inlet on November 1st.

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ERM

CLIENT: Agnico Eagle
GIS NUMBER: AEG-23-039-04

DATE: 03/05/2026

PROJECTION: Canada Lambert Conformal Conic
SCALE: 1:8,500,000 when printed at 8.5x11

Most (75 %) of these vessels delivered cargo and fuel exclusively for Agnico Eagle, while six trips also conducted community resupply trips before visiting Agnico Eagle mines, including the following:

- Three vessels in June/July (Kivalliq W., Qikiqtaaluk W., and Tuvaq W.; Figure 3.1-1);
- Two vessels in September (Kivalliq W. and Tuvaq W.; Figure 3.1-3); and
- One vessel in October (Qikiqtaaluk W.; Figure 3.1-4).

3.1.1 ADHERENCE TO MITIGATION MEASURES—SETBACKS FROM SENSITIVE HABITATS

All vessels are required to follow a setback distance of 500 m from colonies and aggregations of seabirds and marine mammals while transiting through the Hudson Strait, Hudson Bay, and Chesterfield Inlet, and a setback distance of 2 km from Marble Island, as defined by the SMPs (Agnico Eagle 2025a, 2025b). These locations, buffers, and vessel tracks were overlayed and a near analysis was completed to identify which lines and points intersected or were close to these buffered areas.

Where AIS data were recorded frequently (every hour), most vessel tracks avoided the setback areas. In some cases, the AIS data were recorded less frequently (approximately every 5 to 22 hours). These long delays between position fixes create erroneous vessel tracks, with vessels in some cases appearing to cross dry land and, in other cases, appearing to cross the setback areas. For example, during a vessel trip by the Miena Desgagnés in July (Figure 3.1-1), no positions were recorded over approximately 15 hours between 19 July and 20 July. Therefore, the vessel track appears as a straight line going directly across Coats Island, while, in fact, the vessel travelled south of Coats Island. Due to the poor resolution of these data, information (e.g., routes and setbacks) regarding these trips cannot be extrapolated with confidence.

Track data are based on satellite positioning; therefore, ship track intersections likely occurred due to a lack of ship track resolution and the intersection of existing points to create a continuous shipping track. Groupe Desgagnés and/or Woodward vessel tracks appeared to potentially cross through the 2 km setback polygon at Marble Island on 10 occasions and at the Coats Island setback polygon on 8 occasions (3 of these tracks appeared to cross both setback polygons; therefore, a total of 15 vessels appear to have crossed setbacks; see Figures 3.1-1 through 3.1-4). However, when examining the data, it appears that a vessel only entered the 2 km Marble Island buffer on three occasions, and the Coats Island setback on one occasion, as described below. All other instances where a vessel track appears to overlap with a key marine habitat site were due to the vessels servicing the communities within the boundaries (e.g., Kivalliq and Tuvaq in July also stopped at Sanikiluaq, in the southeast of Hudson Bay; Figure 3.1-1).

In all cases where track lines appeared to intersect the setbacks, the point locations were investigated further. From the 15 vessel tracks that appeared to cross a setback polygon, 4 location points received from the satellite AIS were located within the setback polygons:

1. In June, the Nordika A. Desgagnés track shows a point location recorded 1.3 km from Marble Island;
2. In July, the Tuvaq W. was within the 2 km buffer around Marble Island (1.3 km from Marble Island);

3. In November, the Qikiqtaaluk W. was within 0.8 km from Marble Island; and
4. In July, the Atlantic Beech was within the 500 m setback for Coats Island.

No other points were recorded within the Marble Island or Coats Island setbacks. Of the remaining 11 vessel tracks that appeared to cross a setback polygon, the closest ship track point to the Coats Island setback was recorded by the Marlin Hera in July, 48 km from the setback polygon, and the closest point to Marble Island was recorded by the Acadia A. Desgagnés in September, 4.5 km from the setback polygon. Therefore, it is unlikely that the ship passed directly through the setbacks, and the intersections are likely due to a lack of ship track resolution. At this time, Vesseltracker remains the most reliable way to obtain vessel tracks in the Arctic. Agnico Eagle will continue to remind vessel captains of the importance of maintaining a 2 km buffer around Marble Island and 500 m setback at Coats Island prior to the start of the 2026 shipping season.

3.1.2 ADHERENCE TO MITIGATION MEASURES—COATS ISLAND

The community of Coral Harbour identified the corridor between Southampton and Coats islands as an important breeding ground for walrus and marine birds, and as a potential migration route for marine mammals. Due to concerns that vessel traffic between Coats Island, Walrus Island (north of Coats Island), and Southampton Island may disturb these animals, vessels are required to transit south of Coats Island whenever the weather is safe to do so.

Of the 24 vessels servicing the Meadowbank Complex and Meliadine Mine in 2025, the majority (75%; 18 trips) travelled south of Coats Island. Vessels travelled north of Coats Island on the following 6 occasions (Figures 3.1-1 and 3.1-4):

1. On 10 July, the Atlantic Elm travelled north of Coats Island to avoid unsafe sea conditions south of the Island.
2. On 12 July, the Atlantic Beech travelled north of Coats Island to avoid unsafe sea conditions south of the Island.
3. On 14 July, the Annette A. Desgagnés was required to travel north due to unfavourable wind and weather conditions along the shipping route to the south of Coats Island.
4. On 26 September, the Acadia Desgagnés was required to use the north passage due to unsafe (wind and waves) conditions along the shipping route south of Coats Island.
5. On 15 October, the Marcellin Desgagnés was required to travel north of Coats Island due to 2 m waves.
6. On 1 November, the Atlantic Elm was required to travel north of Coats Island due to inclement weather.

The Kivalliq W. vessel (Figure 3.1-3) also travelled between the two islands in September; however, this vessel was required to stop in Coral Harbour (Salliq) on the way to the mine sites.

3.1.3 ADHERENCE TO MITIGATION MEASURES—AVOIDANCE OF MARINE MAMMALS AND SEABIRDS

Ships are required to follow mitigation measures outlined in Section 4.2 of the SMPs (Agnico Eagle 2025a, 2025b), summarized in Section 1.4 and Appendix A of this report. In 2025, none of the marine

mammal or seabird sightings triggered mitigation measures, such as slowing the vessel or changing course. No incidents with marine mammals or seabirds were reported for the 2025 shipping season.

3.2 MARINE MAMMAL OBSERVATIONS

3.2.1 SURVEY EFFORT

Between 25 June and 19 November 2025, during 18 of the 24 trips, dedicated vessel crew members conducted marine mammal surveys onboard various Groupe Desgagnés and Woodward vessels. A total of 221 marine mammal surveys were conducted in 2025. However, of the 221 surveys, 9 (3 moving vessel surveys and 6 stationary surveys) were excluded from the analysis of survey effort due to missing start and/or end times or missing start and/or end latitudes or longitudes. Datasheets with missing survey information were not incorporated into the effort analysis. Sightings during these surveys are reported as incidental observations (Section 3.2.2). Therefore, a total of 212 marine mammal surveys (97 while the vessel was moving and another 115 surveys while the vessel was stationary) with sufficient survey effort data were completed in 2025. This is an improvement over previous years, as 96% of the surveys had complete effort data recorded (compared to 86% in 2024 and 2023).

The 97 transects surveyed while the vessel was moving included a total spatial effort of 3,268.9 km of marine mammal transects over 136.6 hours (Table 3.2-1; Figure 3.2-1). An additional 141.5 hours of surveying was completed while the vessel was anchored. Of the 115 stationary surveys completed while the vessel was anchored, the majority were conducted along Chesterfield Inlet up to Baker Lake (72) and Rankin Inlet (39; Figure 3.2-1). Appendix D summarizes all marine mammal surveys and sightings information.

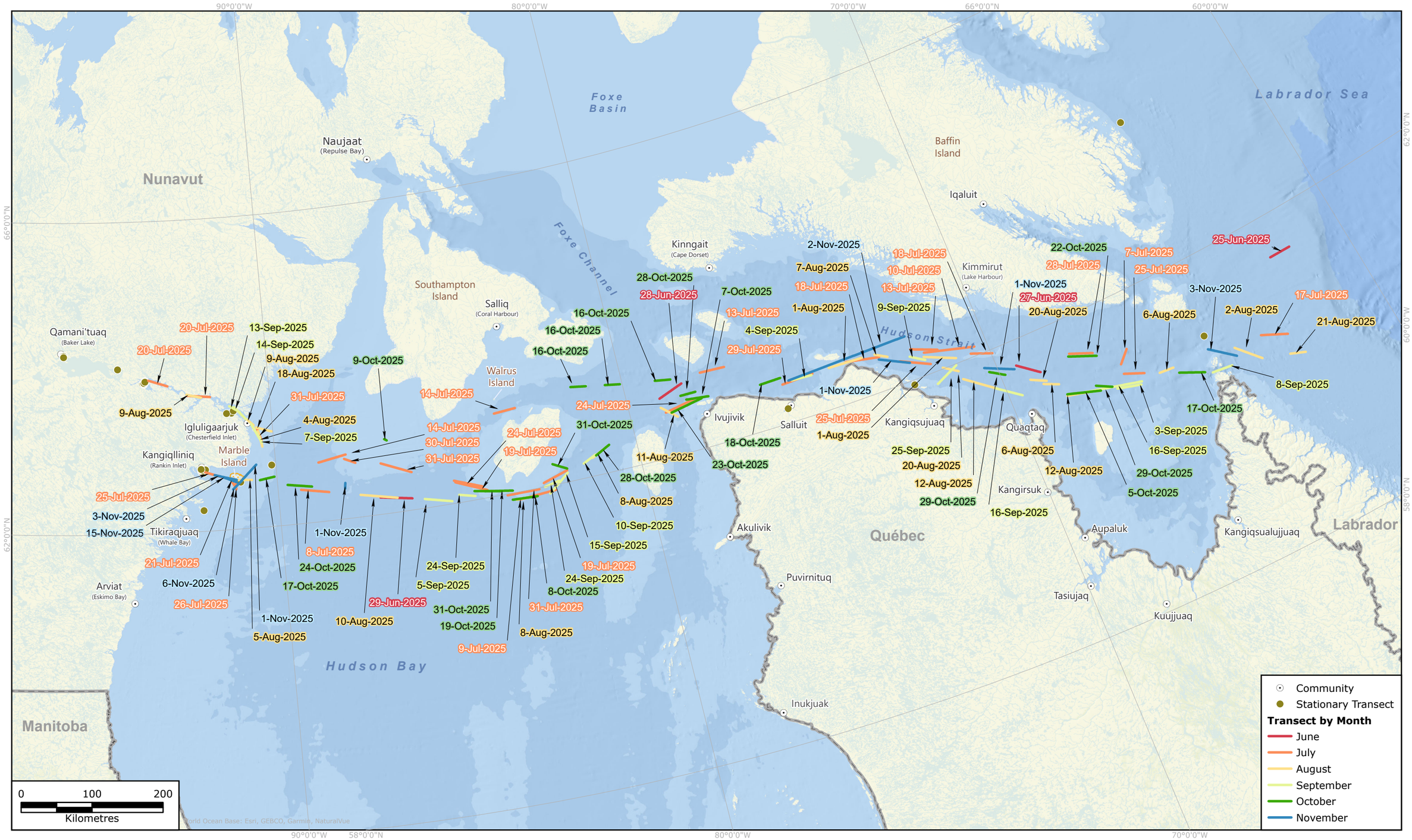
According to the observation datasheets completed by Groupe Desgagnés and Woodward, overall marine mammal survey effort in 2025 was higher than previous years, and similar to 2022 for moving transect surveys and similar to 2024 for stationary survey effort (Table 3.2-1).

3.2.1.1 ENVIRONMENTAL VARIABLES AND WEATHER CONDITIONS

The weather conditions (Figure 3.2-2a) for the 2025 marine mammal observation program were predominantly clear/partly cloudy, cloudy, or foggy (52%, 26%, and 7% of the survey effort, respectively). Medium/heavy rain and snow were present for a combined 4% of the survey time, while 11% of the surveys had no data recorded. Average visibility extended to approximately 11.7 km, with a maximum estimate of 112 km and a minimum estimate of 0 km.

The sea state (Figure 3.2-2b) ranged from sea state 0 (calm) to sea state 6 (large waves and white foam crests). However, the sea state fell predominantly within states 1 (ripples), 2 (small wavelets all over), and 3 (large wavelets, few whitecaps), accounting for 29%, 28%, and 17% of the survey effort, respectively. Sea states were 0 and 4 (small waves, frequent whitecaps) for 9% and 8% of the survey effort, respectively. Sea states 5 (moderate waves, many whitecaps) and 6 occurred rarely (4% and 1%, respectively), and 4% of the survey effort lacked sea state data.

FIGURE 3.2-1 MARINE MAMMAL SURVEY TRANSECTS AND STATIONARY SURVEY LOCATIONS, JUNE TO NOVEMBER 2025



World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

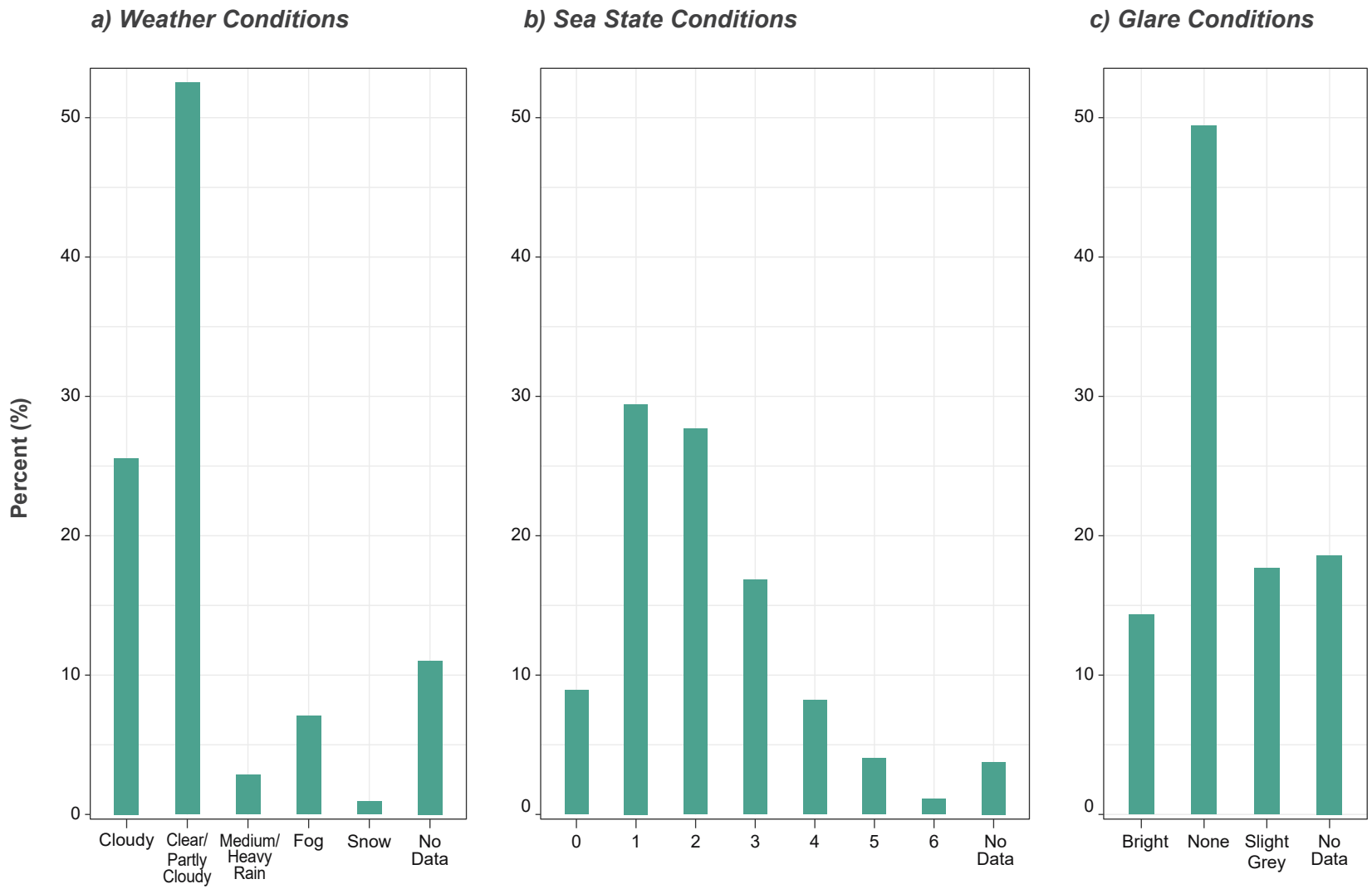
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CLIENT: Agnico Eagle
GIS NUMBER: AEG-23-040-01

DATE: 01/19/2026

PROJECTION: Canada Lambert Conformal Conic
SCALE: 1:5,000,000 when printed at 11x17

FIGURE 3.2-2 PERCENT WEATHER, SEA STATE, AND GLARE CONDITIONS DURING MARINE MAMMAL SURVEYS CONDUCTED IN 2025



CLIENT: Agnico Eagle Mines Limited
GRAPHICS NUMBER: AGN-26ERM-002

TABLE 3.2-1 MARINE MAMMAL SURVEY EFFORT, 2017 TO 2025

Year of Survey	Moving Surveys			Stationary Surveys
	Number of Transects Surveyed	Total Distance (km) Surveyed (Spatial Effort)	Total Time (Hours) Surveyed (Temporal Effort)	Total Time (Hours) Anchored Vessel
2017	11	NA[a]	10.3	0.00
2018	31	1,155.7	29	0.00
2019	38	1,898.3	62.8	59.3
2020	58	2,354.7	112.3	92.5
2021	56	2,824.9	110.5	80.4
2022	92	2,765.8	109.3	56.6
2023	64	1,996.4	79.7	72.4
2024	62	2,066.5	89.9	119.0
2025	97	3,268.9	136.6	141.5
Total	**509**	**18,331.2**	**740.4**	**621.7**

Notes:
Agnico Eagle = Agnico Eagle Mines Limited; km = kilometre; NA = not applicable
[a] Spatial data for the 2017 surveys are not available.

Glare conditions were generally favourable during surveys in 2025; however, 14% of the 2025 marine mammal surveys proceeded with bright glare (Figure 3.2-2c). Glare was recorded as "none" and "slight/grey" 49% and 18% of the time, respectively, and glare data are absent for 19% of the survey effort.

3.2.2 MARINE MAMMAL OBSERVATIONS 2025

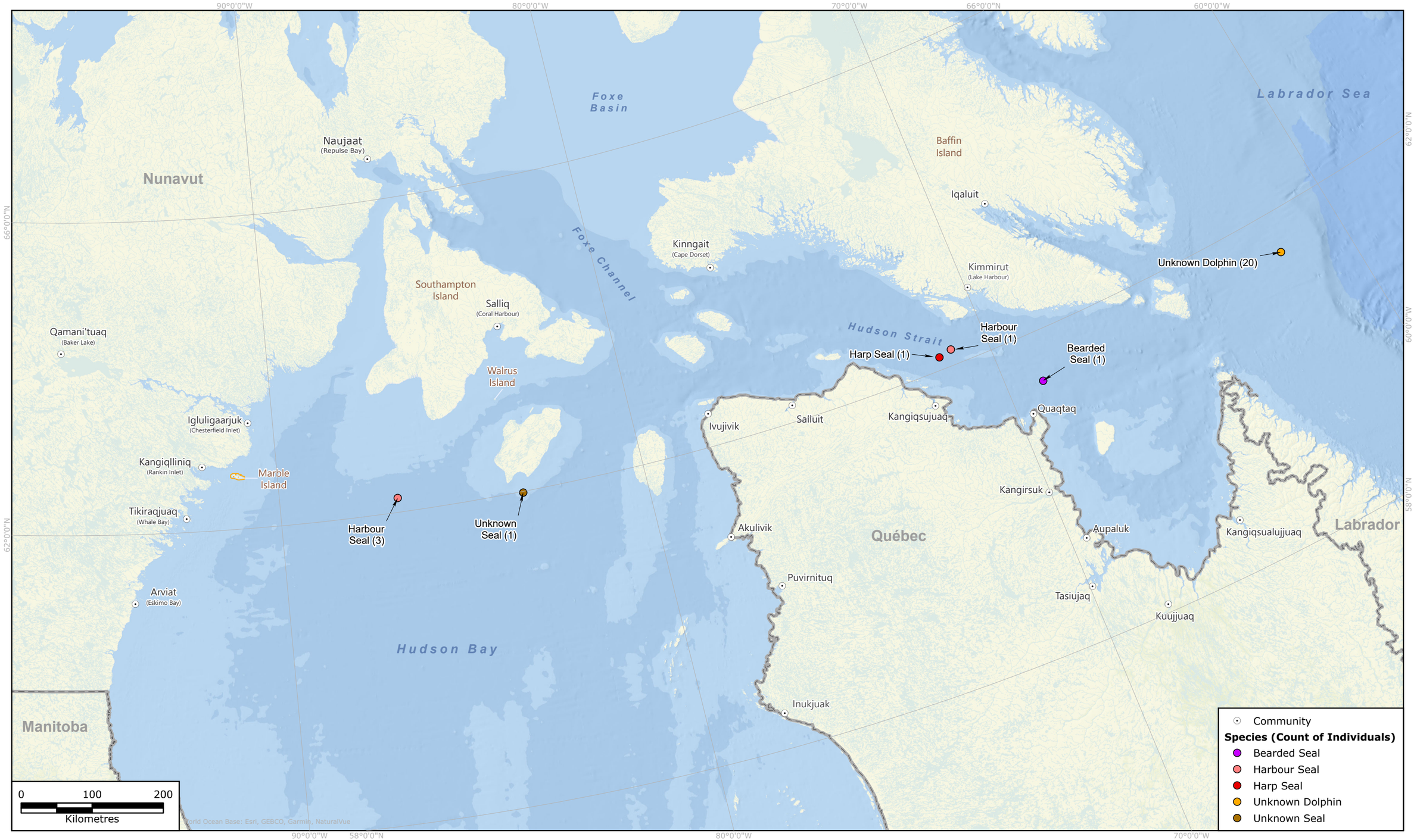
Marine mammals were observed during dedicated surveys and incidentally in 2025. Survey results, incidental sightings, and species descriptions are provided in the following subsections.

3.2.2.1 MARINE MAMMAL OBSERVATIONS DURING SURVEYS, 2025

During dedicated marine mammal surveys, Groupe Desgagnés and Woodward MMSOs recorded 6 separate sightings of marine mammals (27 animals) between June and August 2025 (Figure 3.2-3; Table 3.2-2). Species recorded by the MMSOs included harp seal (*Pagophilus groenlandicus*), harbour seal (*Phoca vitulina*), bearded seal (*Erignathus barbatus*), unidentified dolphin species, and a separate sighting of a seal that was not identified to species.

Sightings were evenly distributed between June and August, with two sightings occurring in each of the three months. The largest group of animals observed was a pod of unidentified dolphins consisting of approximately 20 individuals east of Hudson Strait in the Labrador Sea. It is possible that these dolphins were white-beaked dolphins (*Lagenorhynchus albirostris*), as that is the most common dolphin species in the area; however, there are no photos or additional notes to assist in species identification.

FIGURE 3.2-3 MARINE MAMMALS OBSERVED DURING SURVEYS, JUNE TO AUGUST 2025



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TABLE 3.2-2 MARINE MAMMAL OBSERVATIONS DURING SURVEYS, JUNE TO AUGUST 2025

Month	Species Observed	Number of Sightings	Number of Animals Observed
June	Unknown dolphin	1	20
	Harbour seal (*Phoca vitulina*)	1	3
July	Harbour seal (*Phoca vitulina*)	1	1
	Unknown seal	1	1
August	Harp seal (*Pagophilus groenlandicus*)	1	1
	Bearded seal (*Erignathus barbatus*)	1	1
Total		**6**	**27**

3.2.2.2 MARINE MAMMALS OBSERVED INCIDENTALLY, 2025

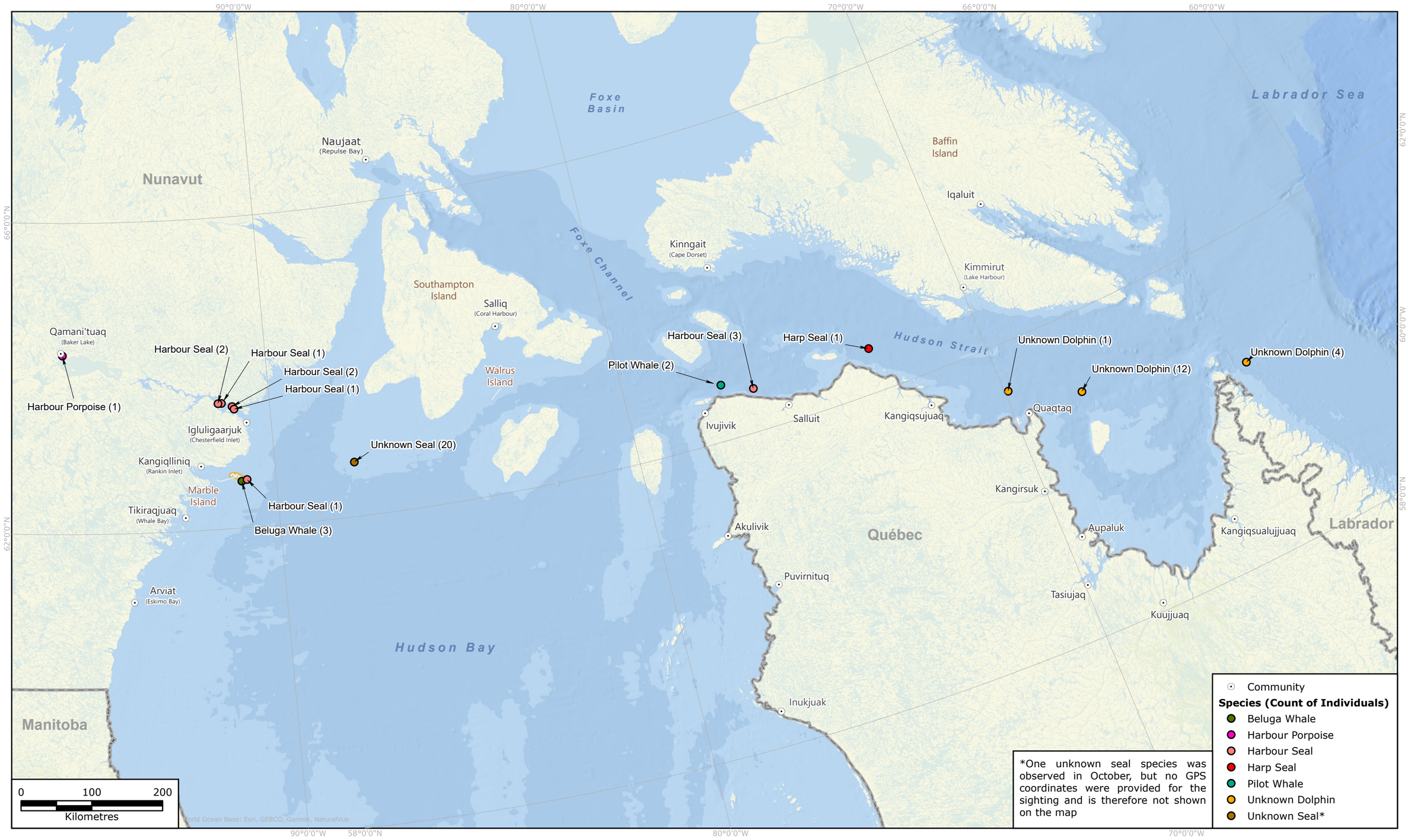
Incidental observations of marine mammals are sightings of animals while on the vessel, but outside of the dedicated MMSO survey time (i.e., "off-effort" sightings). There were 15 incidental observations of 55 animals during 2025 (Table 3.2-3; Figure 3.2-4). Marine mammals were observed incidentally between July and October 2025.

TABLE 3.2-3 INCIDENTAL OBSERVATIONS OF MARINE MAMMALS, JULY TO OCTOBER 2025

Month	Species Observed	Number of Sightings	Number of Animals Observed
July	Harbour seal (*Phoca vitulina*)	3	5
	Unknown seal	1	20
August	Harbour seal (*Phoca vitulina*)	1	1
	Harbour porpoise (*Phocoena phocoena*)	1	1
September	Unknown dolphin	2	16
	Harbour seal (*Phoca vitulina*)	2	4
	Pilot whale (*Globicephala melas*)	1	2
	Beluga whale (*Delphinapterus leucas)*	1	3
	Harp seal (*Pagophilus groenlandicus*)	1	1
October	Unknown seal[1]	1	1
	Unknown dolphin	1	1
Total		**15**	**55**

[1] No coordinates were recorded for this sighting of an unknown seal; therefore, it does not appear on Figure 3.2-4.

FIGURE 3.2-4 INCIDENTAL OBSERVATIONS OF MARINE MAMMALS, JULY TO OCTOBER 2025



ERM

CLIENT: Agnico Eagle
GIS NUMBER: AEG-23-040-03

DATE: 03/05/2026

PROJECTION: Canada Lambert Conformal Conic
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3.2.2.3 SPECIES OBSERVED IN 2025

A summary of the marine mammal species observed by the MMSOs in 2025 is provided in the following subsections.

Dolphin Species

A total of 4 groups of unknown dolphin species (an estimate of 37 animals) were recorded in 2025. On 25 June, a group of 20 dolphins was observed during a survey east of Hudson Strait (Figure 3.2-3). The remaining 3 dolphin sightings were observed incidentally in September and October in Hudson Strait. On 3 September, a group of 12 unidentified dolphin species were observed incidentally, followed by a sighting of 4 dolphins on 24 September, and 1 dolphin observed on 22 October.

All of the dolphin sightings were not identified to the species level but were likely groups of white-beaked dolphins, as this species was observed in this general area in previous years, and because this is the only dolphin species that has been recorded this far north. Dolphins are a rare sighting in the Arctic, and this is the fourth time they have been recorded during MMSO surveys. The first time they were observed was in 2020, when groups of 15 dolphins were observed in Hudson Strait at the eastern edge of the marine Regional Study Area during August and September. Over the last 15 years, there have been occasional sightings of white-beaked dolphins in the Arctic, including around Baffin Island (Reinhart et al. 2014).

Beluga Whales

Beluga whales were observed incidentally once in September 2025; a group of 3 belugas were observed near Marble Island (Figure 3.2-4). Belugas were also recorded in 2021 and 2023.

There are seven distinct populations of beluga in Canada; the whales that could occur along the shipping route belong to the Western Hudson Bay Population (COSEWIC 2004). This population's core summer range is concentrated in the Churchill, Nelson, and Seal River estuaries in southern Hudson Bay (COSEWIC 2004). During fall migration (late-August or early September), the whales pass Rankin Inlet heading north, and travel between Coats Island and Southampton Island, and through Hudson Strait (COSEWIC 2004).

Pilot Whale

One group of 2 pilot whales was observed incidentally on September 4, 2025, in Hudson Strait. Pilot whales were also recorded on two occasions in 2022. Two separate sightings of pilot whales (one group of two animals, one individual) were recorded on August 28, 2022. Both sightings were incidental observations and were observed swimming in Hudson Strait.

Long-finned pilot whales are common in the north Atlantic, however are a rare sighting in the Arctic. This is the second time they have been recorded during MMSO surveys or incidentally. In the last 10 to 15 years, long-finned pilot whales have been recorded in Arctic waters. In 2012 and 2013, long-finned pilot whales were observed between July and October during surveys around Baffin Bay and Melville Bay (Froun-Mouy et al. 2017) and around Iceland between 2014 and 2020 (Selbmann et al. 2022).

Harbour Porpoise

One harbour porpoise was observed incidentally in August 2025 near Baker Lake. This is the second time harbour porpoises have been recorded during surveys or incidentally, but the first time recorded in Baker Lake. In 2022, harbour porpoises were observed near the tip of Labrador in October, and two groups were observed in Hudson Strait in August and October near the tip of Labrador.

Seals

A total of 14 separate sightings of seals were recorded in 2025: on 5 separate occasions during dedicated marine mammal surveys (Figure 3.2-3), plus 9 separate incidental sightings (Figure 3.2-4). During dedicated surveys in August, one harp seal and one bearded seal were observed on separate occasions, both in the Hudson Strait. In addition, there were two separate sightings of harbour seals- a group of 3 in Hudson Bay west of Coats Island in June and 1 individual in Hudson Strait in July. There was an additional sighting of an unknown seal species in July (one individual) south of Coats Island.

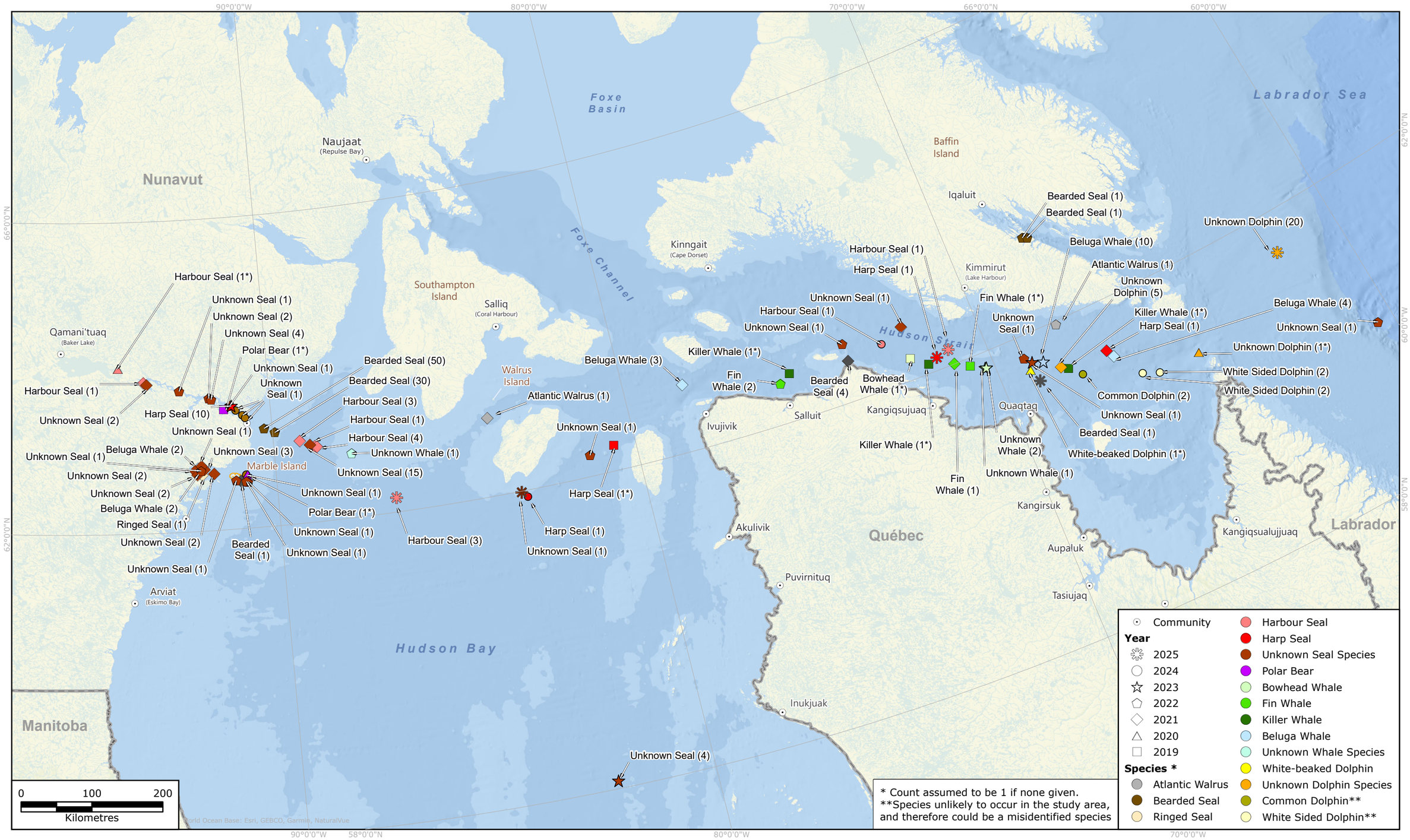
Seals were also observed incidentally (i.e., off-effort) on an additional 9 occasions in 2025 (Figure 3.2-4). Six separate sightings of harbour seals (groups size ranging from 1 to 3 individuals) between July and September in Hudson Strait, near Marble Island, and Chesterfield Inlet. One harp seal was observed incidentally in Hudson Strait in September, and 2 separate sightings of unknown seals were recorded (a group of 20 in July between Coats Island and Marble Island, and one unknown seal observed in October with no location recorded (Figure 3.2-4; Table 3.2-3).

The largest group of seals observed was of approximately 20 unidentified seals, observed on 30 July between Coats Island and Marble Island.

3.2.3 MARINE MAMMAL OBSERVATIONS 2017 TO 2025

Marine mammals have been observed during surveys (Figure 3.2-5) and incidentally (Figure 3.2-6) between 2017 and 2025. A total of 6 different species were identified along the shipping route in 2025, plus an additional two unknown species (unknown dolphin species and unknown seal species). This is a similar number to previous years, apart from 2021, when more species were observed. Six species were reported in 2024 and 2023, 7 in 2022, 13 in 2021, 4 in 2020, 5 in 2019, none in 2018, and 2 in 2017 (all incidental sightings; Table 3.2-4). From 2017 to 2022, the number of marine mammal individuals observed increased (Figure 3.2-7) before dropping slightly in numbers in recent years (2023 through 2025). The diversity of species (i.e., the number of different species observed) has fluctuated (Figure 3.2-7), with the highest diversity observed in 2021 (13 species, excluding unknowns). Species observed in previous years are summarized in Table 3.2-4.

FIGURE 3.2-5 MARINE MAMMALS OBSERVED DURING SURVEYS, 2019 TO 2025



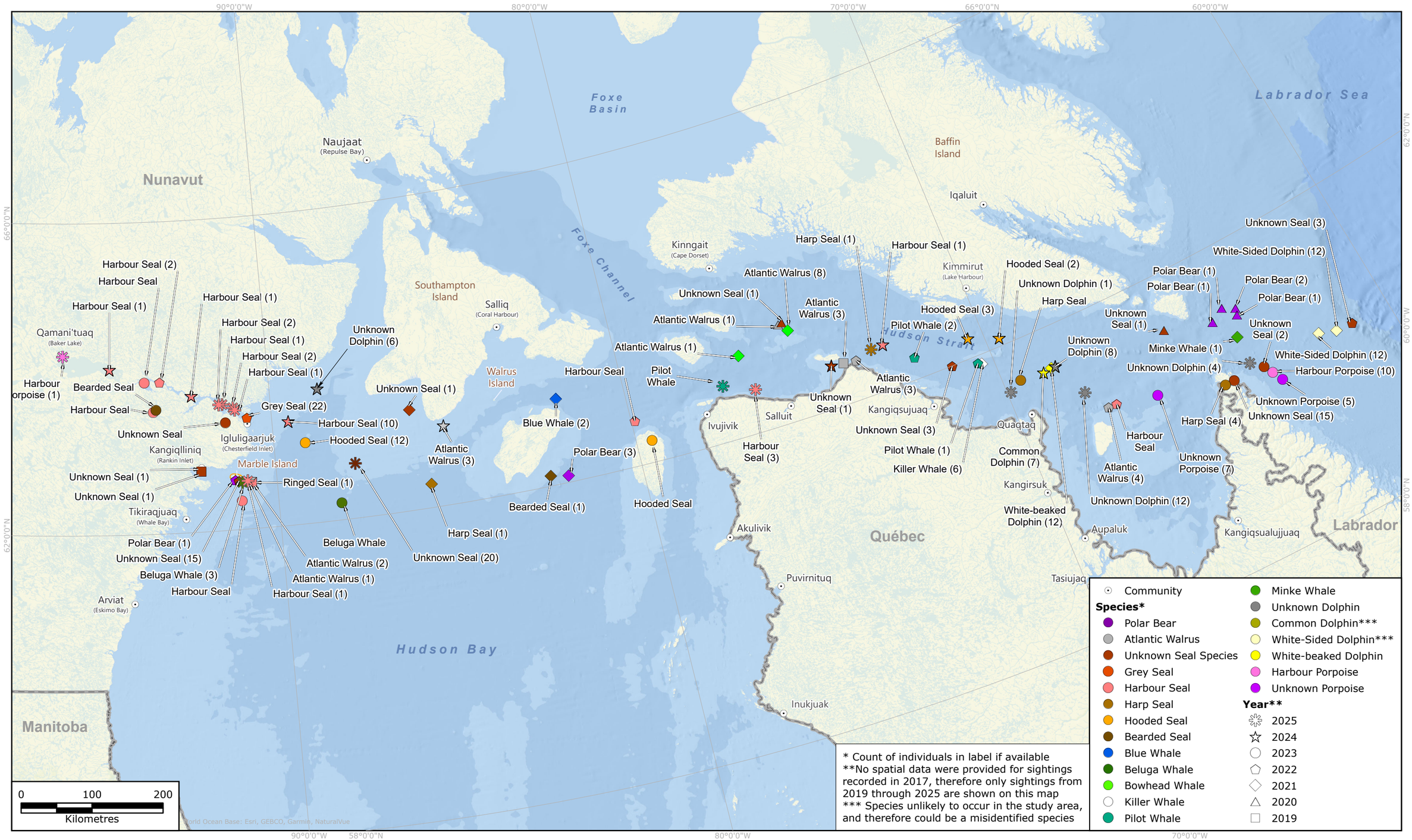
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DATE: 01/14/2026

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FIGURE 3.2-6 INCIDENTAL OBSERVATIONS OF MARINE MAMMALS, 2019 TO 2025



* Count of individuals in label if available
**No spatial data were provided for sightings recorded in 2017, therefore only sightings from 2019 through 2025 are shown on this map
*** Species unlikely to occur in the study area, and therefore could be a misidentified species

ERM

CLIENT: Agnico Eagle
GIS NUMBER: AEG-23-040-05

DATE: 03/05/2026

PROJECTION: Canada Lambert Conformal Conic
SCALE: 1:5,000,000 when printed at 11x17

FIGURE 3.2-7 NUMBER OF MARINE MAMMAL INDIVIDUALS AND NUMBER OF SPECIES OBSERVED, 2017 TO 2025

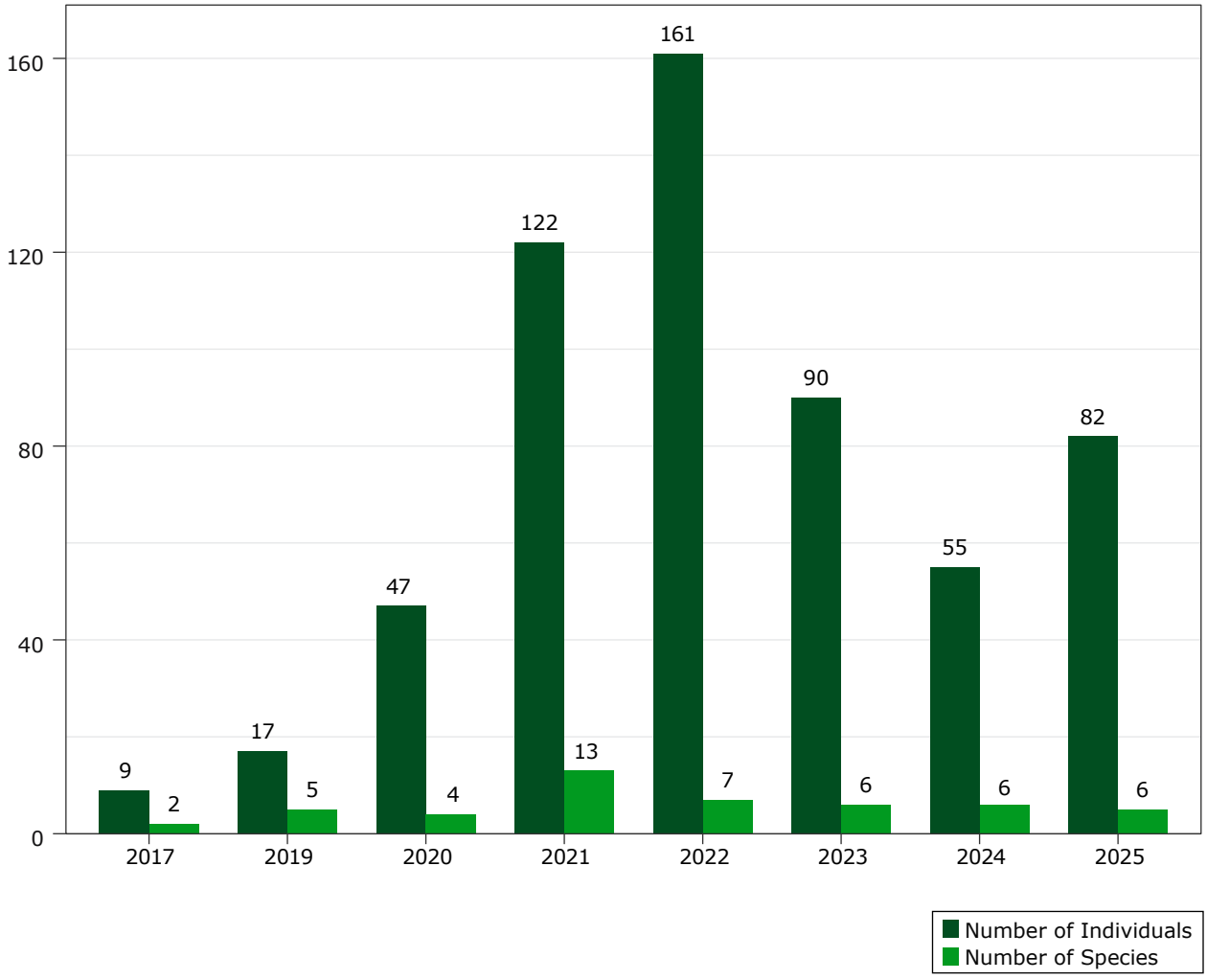


TABLE 3.2-4 NUMBER OF MARINE MAMMALS OBSERVED DURING SURVEYS AND INCIDENTALLY BETWEEN 2017 AND 2025

Species	2017	2019	2020	2021	2022	2023	2024	2025	Total
Atlantic walrus (*Odobenus rosmarus rosmarus*)	6	-	4	10	8	-	3	-	31
Bearded seal (*Erignathus barbatus*)	-	-	-	6	82	1	-	1	90
Beluga whale (*Delphinapterus leucas*)	-	-	-	11	-	11	-	3	25
Blue whale (*Balaenoptera musculus*)[a,b]	-	-	-	2	-	-	-	-	2
Bowhead whale (*Balaena mysticetus*)	-	3	-	-	-	-	-	-	3
Common dolphin (*Delphinus delphis*)	-	-	-	-	-	-	9	-	9
Fin whale (*Balaenoptera physalus*)[d]	-	1	-	1	2	-	-	-	4
Grey seal (*Halichoerus grypus*)	-	-	-	-	22	-	-	-	22
Harbour porpoise (*Phocoena phocoena*)	-	-	-	-	-	10	-	1	11
Harbour seal (*Phoca vitulina*)	-	-	1	9	5	3	14	14	46
Harp seal (*Pagophilus groenlandicus*)	-	4	-	2	-	15	1	2	24
Hooded seal (*Cystophora cristata*)	-	-	-	-	-	13	5	-	18
Killer whale (*Orcinus orca*)	-	8	-	6	-	-	-	-	14
Long-finned pilot whale (*Globicephala melas*)	-	-	-	-	3	-	-	2	5
Minke whale (*Balaenoptera acutorostrata*)	-	-	-	1	-	-	-	-	1
Polar bear (*Ursus maritimus*)[a]	-	1	8	3	1	-	-	-	13
Ringed seal (*Pusa hispida*)	1	-	-	1	-	-	-	-	2
White-beaked dolphin (*Lagenorhynchus albirostris*)	-	-	15	12	-	-	-	-	27
White-sided dolphin (*Lagenorhynchus acutus*)[c]	-	-	-	24	-	-	4	-	28
Unknown dolphin species	-	-	15	5	-	-	14	37	71
Unknown porpoise	-	-	-	-	-	12	-	-	12

Species	2017	2019	2020	2021	2022	2023	2024	2025	Total
Unknown seal	2	-	4	29	37	23	5	22	122
Unknown whale	-	-	-	-	1	2	-	-	3
Total	**9**	**17**	**47**	**122**	**161**	**90**	**55**	**82**	**583**

Notes:
Dashes (-) indicate none observed.
Marine mammals observed both during dedicated surveys and off-effort are included in the table. Note that all sightings in 2017 were incidental, all sightings in 2019 were during dedicated surveys, and all sightings from 2020 through 2025 were both during surveys and incidental.
Numbers are given as individuals observed, not number of separate sightings.
No sightings were recorded in 2018.
[a] Species listed on Schedule 1 of the federal *Species at Risk Act* (2002).
[b] It is possible that the blue whale sighting was not identified properly while on the vessel, as it would be a rare occurrence for a blue whale to be recorded in Hudson Bay.
[c] Species is unlikely to occur in the shipping study area and could therefore be a misidentified species.

3.3 SEABIRD OBSERVATIONS

3.3.1 SURVEY EFFORT

Seabird surveys have been completed every year since 2018. In 2025, during 21 of the 24 trips, dedicated vessel crew members completed seabird surveys between 25 June and 19 November onboard various Groupe Desgagnés and Woodward vessels. A total of 345 seabird surveys were completed in 2025 (174 moving vessel transects and 175 stationary surveys); however, 99 surveys (58 moving vessel surveys and 41 stationary surveys) were excluded from the analysis of survey effort due to missing start and/or end times or missing start and/or end latitudes or longitudes (Table 3.3-1). Therefore, a total of 250 seabird surveys (116 while the vessel was moving, and 134 while the vessel was stationary) were completed in 2025, with sufficient survey effort data. Appendix E summarizes all 2025 seabird survey intervals and Appendix F summarizes all 2025 seabird sightings. Seabirds observed during moving surveys with missing spatial effort or missing temporal effort on stationary surveys were removed from the analysis but reported in species and survey summaries.

TABLE 3.3-1 TEMPORAL AND SPATIAL EFFORT FOR MOVING VESSEL SEABIRD SURVEYS, 2018 TO 2025

Year	Temporal Effort			Spatial Effort		
	Effort (Hours)	Number of Transects with Effort	Number of Transects with No Effort[b]	Effort (km)	Number of Transects with Effort	Number of Transects with No Effort[d]
2018	139.9	72	7	407.1	33	46
2019	119.9	87	4	2,290.8	79	12
2020	111.9	84	14	3,614.8	79	20
2021	173.9	173	24	7,176.7	170	27
2022	79.6	157	71	9,839.8	140	88
2023[a]	58.3	123	5	2,643.3	109	28
2024[a]	84.7	129	30	1,732.9	97[c]	62
2025[a]	70.8	131	43	10,125.7	116	58

Notes:
Agnico Eagle = Agnico Eagle Mines Limited; km = kilometre
[a] Fewer vessels travelled to Agnico Eagle sites from 2023 to 2025 (23 vessels in 2023 and 2024 and 24 vessels in 2025, compared to 27 vessels in 2022 and 29 in 2021), partially accounting for the lower survey effort.
[b] Surveys without distance effort did not have location coordinates recorded at the start and/or end of the surveys.
[c] Total number of transects that had both spatial and temporal effort recorded (i.e., the 30 transects with missing temporal effort also had missing spatial effort).
[d] Surveys without temporal effort did not have the start and/or end times recorded.

One moving vessel transect was completed between Helicopter Island and Baker Lake, which had spatial and temporal survey effort data recorded. Results from this survey are included in this section and summarized in Section 3.4-1.

Of the 116 moving vessel transects with known temporal and spatial effort, a total of 10,126 km was surveyed over 71 hours, with an average of 0.61 hours (approximately 37 minutes) per survey (Table 3.3-1; Figure 3.3-1). An additional 85 hours were completed during 134 stationary surveys while vessels were anchored (Table 3.3-2). The average hour per survey for stationary surveys was 0.63 hours (approximately 38 minutes); therefore, some of the surveys appear to have followed the six 5-minute survey interval method for moving transect surveys.

TABLE 3.3-2 TEMPORAL EFFORT FOR STATIONARY SEABIRD SURVEYS, 2018 TO 2025

Year	Effort (Hours)	Number of Points with Effort	Number of Points with No Effort[b]
2018	18.8	5[a]	0
2019	19.8	15	27
2020	152.0	104	40
2021	152.4	111	3
2022	14.9	29	112
2023	82.6	122	43
2024	69.0	136	69
2025	85.2	134	41

Notes:
[a] Surveys in 2018 did not include locations; therefore, these observations were not used in analysis.
[b] Surveys with no effort did not have start and/or end times recorded.

Spatial effort for moving surveys increased with each survey year between 2018 and 2022. In 2023 and 2024, spatial effort appears to decline, followed by an increase in 2025, though not to levels recorded in 2022. Fewer vessels travelling to Meadowbank and Meliadine from 2023 to 2025 (24 vessels in 2025, and 23 vessels in 2023 and 2024, compared to 27 in 2022) and the shift in survey methods, based on requests from Environment and Climate Change Canada, are plausible contributors to lower spatial effort reporting from 2023 to 2025. Starting in 2023, there was an emphasis on ensuring seabird surveys were completed following the ECSAS methods (see Section 2.3.1), which required MMSOs to shift their methods from completing a 1-hour continuous survey to the ECSAS methods, where each survey consisted of six 5-minute intervals (Section 2.3.1). This change in survey methods may have resulted in shorter surveys (approximately 30 minutes per survey, compared to 1 hour or more), and therefore less spatial and temporal effort. This change in survey methodology, along with fewer vessels in 2023 through 2025 could explain the lower spatial and temporal survey effort observed in recent years (Table 3.3-1).

FIGURE 3.3-1 MOVING TRANSECT SEABIRD SURVEY EFFORT, 2025



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DATE: 01/16/2026

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The number of stationary vessel surveys was similar to recent years; however, temporal effort has been variable over the course of data collection. Temporal effort in 2025 was approximately 85 hours, compared to 69 hours in 2024, 83 hours in 2023, 15 hours in 2022, 152 hours in both 2021 and 2020, 20 hours in 2019, and 19 hours in 2018 (Table 3.3-2). Temporal effort was successfully recorded for 77% of the stationary surveys in 2025, the highest since 2021 (66% in 2024, 74% in 2023, and 22% in 2022).

3.3.1.1 ENVIRONMENTAL VARIABLES AND WEATHER CONDITIONS DURING SURVEYS

Environmental variables that have the potential to impact seabird detection were plotted for visual assessments of trends in detection (Figure 3.3-2). In most cases, detections varied across weather conditions and years without clear trends; this indicates that detectability was not greatly affected by variable weather conditions. Detections appear to have been lower in some severe adverse weather conditions, including snow, medium to heavy rain, gale-force winds, and very rough sea states (Figure 3.3-2). However, relatively few surveys were conducted during more severe weather conditions, making trends difficult to determine. Models were created without covariates like weather variables due to low sample sizes restricting model fit. However, visual assessment indicated that this omission is not likely impacting modelling results.

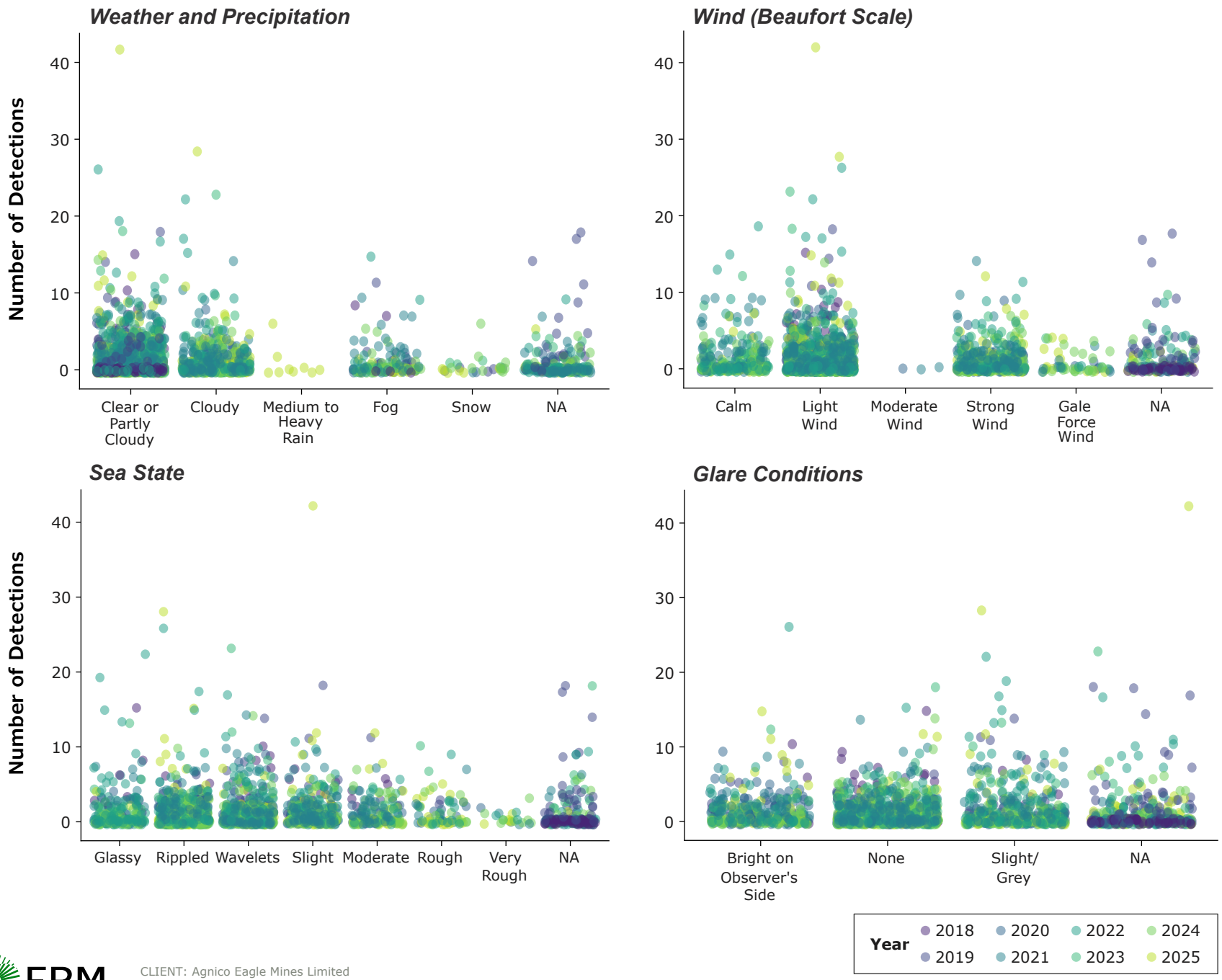
3.3.2 MOVING VESSEL SEABIRD OBSERVATIONS 2018 TO 2025

Analyses of moving vessel survey data included only on-transect sightings and did not make use of re-sightings of the same birds. Table 3.3-3 summarizes sample sizes for surveys (transects), detections (groups), and individuals (total number of birds). Moving vessel transect sample sizes include only surveys with recorded spatial and temporal effort.

TABLE 3.3-3 SEABIRD SURVEY SAMPLE SIZES AND DETECTION AVERAGES FOR MOVING VESSEL SURVEYS, 2018 TO 2025

Year	Moving Vessel Surveys				
	Transects	Detections	Individuals	Average Individual/ Detection	Average Detection/ Transect
2018	33	150	574	3.83	4.55
2019	56	176	837	4.76	3.14
2020	81	122	677	5.55	1.51
2021	165	460	2,649	5.76	2.79
2022	140	473	1,761	3.72	3.38
2023	109	219	783	3.58	2.01
2024	96	125	498	3.98	1.30
2025	116	312	1,990	6.38	2.69

FIGURE 3.3-2 WEATHER VARIABLES SUMMARIZED BY SEABIRD DETECTIONS



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The number of seabird detections (groups) during moving vessel surveys in 2025 was higher than in previous years (312 detections in 2025, compared to 125 detections in 2024 and 219 detections in 2023; Table 3.3-3). The average detection rate per transect had been declining since 2022 (3.38 detections per survey in 2022, 2.01 in 2023, 1.30 in 2024) but increased in 2025 (2.69 detections per survey). Additionally, the average number of individuals per detection increased in 2025 to 6.38, compared to 3.98 in 2024, representing an increase of 60% (Table 3.3-3). Increases in both detections and individuals per detection suggest that more seabird groups are being encountered during surveys, and that these groups are larger than in previous years. The higher values observed in 2025 may reflect increased sightings of gregarious species, including Dovekie (*Alle alle*), Common Eider (*Somateria mollissima*), Glaucus Gull (*Larus hyperboreus*), and Razorbill (*Alca torda*). In 2025, the largest group observed consisted of 150 Dovekie, with groups of 50 or more individuals recorded on 10 separate occasions (Appendix F).

3.3.2.1 SEABIRD SPECIES OBSERVED

The total number of seabird sightings in 2025 (including surveys without effort recorded) increased from previous years, with a total of 2,430 individual birds (28 different species and an additional 5 unknown species; Table 3.3-4). Across all 8 years of survey effort between 2018 and 2024, 14,377 individual birds belonging to 44 known species and 10 unknown species have been recorded during moving vessel surveys (Table 3.3-4; Figure 3.3-3).

The most common species recorded in 2025 were Dovekie (n = 1,277), Razorbill (n = 326) and Northern Fulmar (n = 311). In 2025, Dovekie had the highest number of individuals recorded since the program began in 2018, accounting for 53% of all seabird sightings this year. Razorbill and Northern Fulmar continue to be two of the most common species recorded, and this has been consistent across all survey years. Razorbill makes up approximately 11% of all observations across all years and Northern Fulmar 18%. No species listed on SARA were recorded during 2025 moving vessel surveys.

Rock Ptarmigan, Red Phalarope, Gadwall, and Bonaparte's Gull were recorded for the first time during surveys in 2025. Rock Ptarmigan, Red Phalarope, and Bonaparte's Gull have ranges that overlap with the sighting locations, and each has historical records of sightings along the shipping routes (Birds Canada n.d.). However, the known range of Gadwall does not extend into the marine Regional Study Area, and no confirmed sightings have been recorded; therefore, this identification is unlikely, and the observation may represent an unidentified duck species (Ridgely et al. 2012; Birds Canada n.d.). Rock Ptarmigan are terrestrial birds in the grouse family, and the species was likely observed on land.

The total number of individuals from unidentified species in 2025 was 22, representing an improvement in species identification compared to previous years (194 in 2024, 280 in 2023, 737 in 2022, and 404 in 2021). There has been a decline in the total number of unidentified species, suggesting that surveyors may be improving their seabird identification skills.

In addition to seabirds recorded during surveys, 2,453 seabirds were recorded incidentally in 2025. These observations comprised of 16 known species and 2 unknown species. Incidental species observations are listed in Appendix H.

TABLE 3.3-4 BIRD SPECIES RECORDED DURING MOVING VESSEL SURVEYS, 2018 TO 2025

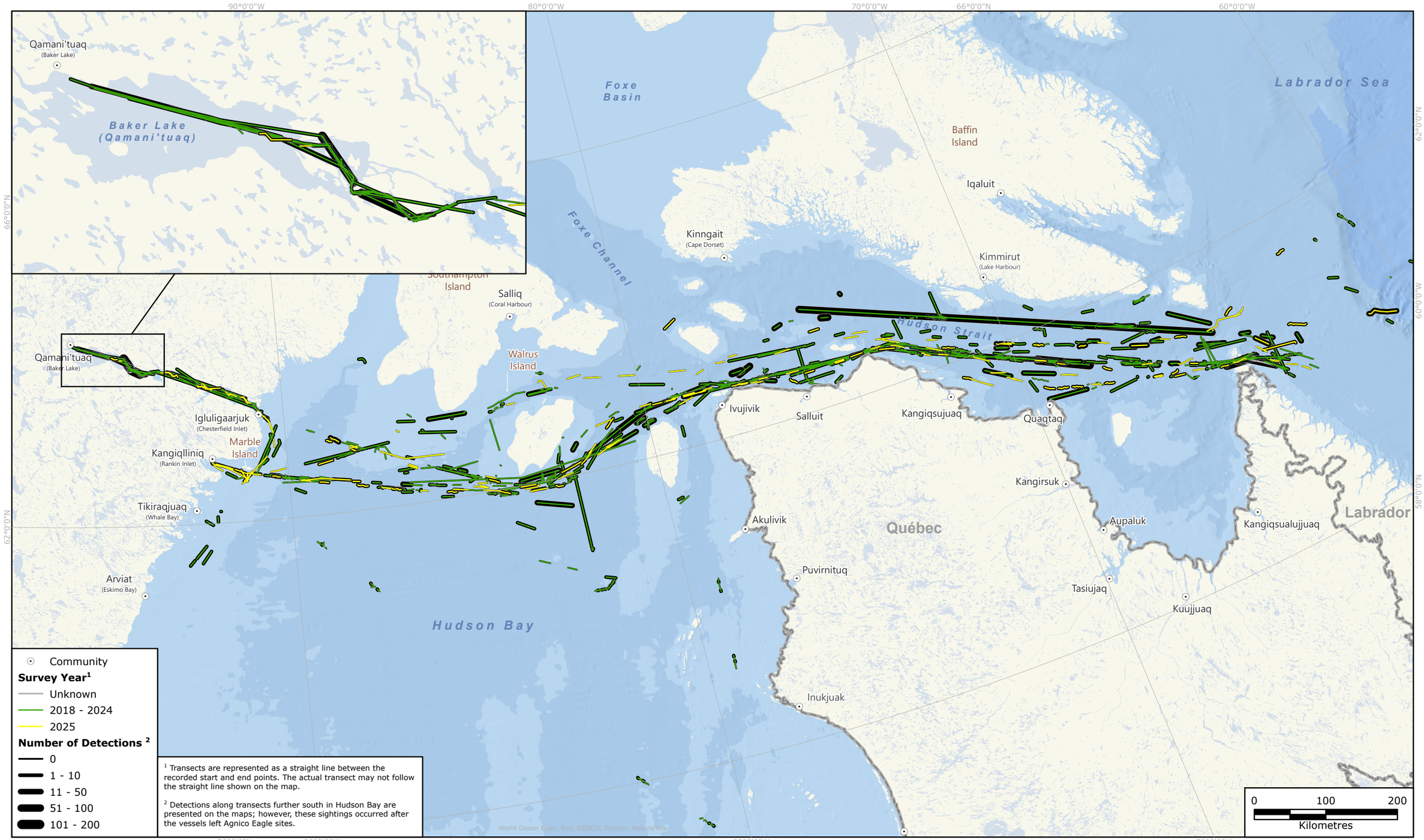
Species	Scientific Name	2018	2019	2020	2021	2022	2023	2024	2025	Total
Arctic Tern	*Sterna paradisaea*	0	0	0	5	0	0	0	0	5
Bald Eagle	*Haliaeetus leucocephalus*	0	2	0	1	1	1	0	0	5
Black Guillemot	*Cepphus grylle*	137	14	0	6	61	6	1	6	231
Black Scoter	*Melanitta americana*	0	4	2	4	2	0	0	19	31
Black-legged Kittiwake	*Rissa tridactyla*	0	12	3	0	0	10	0	2	27
Bonaparte's Gull	*Chroicocephalus philadelphia*	0	0	0	0	0	0	0	3	3
Cackling / Canada Goose	*Branta hutchinsii/canadensis*	0	100	0	15	8	87	0	12	222
Common Eider	*Somateria mollissima*	4	12	81	76	5	11	3	107	299
Common Loon	*Gavia immer*	1	32	2	10	5	5	6	2	63
Common Murre	*Uria aalge*	0	40	3	538	161	2	47	66	857
Dovekie	*Alle alle*	76	27	19	87	41	15	29	1,277	1,571
Gadwall	Mareca strepera	0	0	0	0	0	0	0	1	1
Glaucous Gull	*Larus hyperboreus*	91	84	33	77	15	26	56	55	437
Great Cormorant	*Phalacrocorax carbo*	0	0	8	1	2	0	0	0	11
Great Shearwater	*Puffinus gravis*	0	0	1	0	1	0	4	2	8
Great Skua	*Stercorarius skua*	0	0	48	1	2	1	40	6	98
Greater Scaup	*Aythya marila*	0	0	0	0	0	0	1	6	7
Harlequin Duck[a]	*Histrionicus histrionicus*	10	0	0	0	0	0	0	0	10
Herring Gull	*Larus argentatus*	0	288	73	111	178	515	29	117	1,311
Iceland Gull	*Larus glaucoides*	78	0	4	30	3	8	3	34	160
Ivory Gull[b]	*Pagophila eburnea*	2	0	0	0	0	0	0	0	2
Leach's Storm-petrel	*Oceanodroma leucorhoa*	0	8	0	16	5	1	0	3	33

Species	Scientific Name	2018	2019	2020	2021	2022	2023	2024	2025	Total
Least Sandpiper	*Calidris minutilla*	0	5	1	0	0	0	0	0	6
Long-tailed Duck	*Clangula hyemalis*	3	4	0	14	7	0	12	0	40
Long-tailed Jaeger	*Stercorarius longicaudus*	1	6	0	1	5	0	2	0	15
Manx Shearwater	*Puffinus puffinus*	0	3	0	122	6	0	0	3	134
Northern Fulmar	*Fulmarus glacialis*	43	153	300	391	678	607	150	311	2,633
Parasitic Jaeger	*Stercorarius parasiticus*	0	0	14	25	7	24	1	8	79
Peregrine Falcon	*Falco peregrinus*	0	3	1	3	0	0	0	0	7
Pomarine Jaeger	*Stercorarius pomarinus*	1	7	48	1	24	12	7	6	106
Razorbill	*Alca torda*	0	0	2	63	235	184	726	326	1,536
Red Phalarope	*Phalaropus fulicarius*	0	0	0	0	0	0	0	2	2
Red-breasted Merganser	*Mergus serrator*	0	0	2	5	4	1	0	0	12
Rock Ptarmigan	*Lagopus muta*	0	0	0	0	0	0	0	1	1
Ruddy Turnstone	*Arenaria interpres*	0	1	0	0	0	2	0	0	3
Sabine’s Gull	*Xema sabini*	3	1	5	0	0	0	20	0	29
Snow Goose	*Chen caerulescens*	0	542	10	1	32	0	0	0	585
Snowy Owl	*Bubo scandiacus*	0	1	0	7	0	0	2	2	12
Sooty Shearwater	*Ardenna grisea*	0	0	2	9	15	0	0	0	26
Surf Scoter	*Melanitta perspicillata*	0	0	0	0	0	7	4	0	11
Thayer’s Gull	*Larus thayeri*	0	5	1	0	0	0	1	0	7
Thick-billed Murre	*Uria lomvia*	141	228	90	800	84	0	1	7	1,351
White-winged Scoter	*Melanitta deglandi*	0	0	5	3	0	0	0	2	10
Wilson’s Storm-petrel	*Oceanites oceanicus*	23	8	0	23	4	179	0	22	259
Unknown bird	NA	0	87	0	101	2	15	15	0	220

Species	Scientific Name	2018	2019	2020	2021	2022	2023	2024	2025	Total
Unknown duck	NA	27	76	3	73	40	0	39	0	258
Unknown falcon	NA	0	1	2	2	0	0	0	3	8
Unknown goose	NA	0	0	0	6	1	43	30	0	80
Unknown gull	NA	34	48	152	108	234	0	85	7	668
Unknown hawk	NA	0	2	0	1	0	79	2	0	84
Unknown jaeger	NA	0	3	0	0	0	143	4	2	152
Unknown murre	NA	0	0	43	113	460	0	19	6	641
Unknown ptarmigan	NA	0	0	0	0	0	0	0	4	4
Unknown sandpiper	NA	6	0	0	0	0	0	0	0	6
Total		**681**	**1,807**	**958**	**2,850**	**2,328**	**1,984**	**1,339**	**2,430**	**14,377**

Notes:
NA = not applicable
[a] Species listed as Special Concern on Schedule 1 of the federal *Species at Risk Act* (2002).
[b] Species listed as Endangered on Schedule 1 of the federal *Species at Risk Act* (2002).

FIGURE 3.3-3 SEABIRD DETECTIONS DURING MOVING VESSEL SURVEYS, 2018 TO 2025



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GIS NUMBER: AEG-23-041-02

DATE: 01/16/2026

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3.3.2.2 DISTANCE ANALYSIS: SEABIRD DETECTION AND DENSITY ESTIMATES

Distance analysis was conducted for moving vessel surveys for each separate year between 2019 and 2025 and for all years combined (2018 to 2025). No distance model was fit independently for 2018, due to a low number of surveys. Distance analysis accounts for the fact that animals are more likely to be seen when they are closer to the observer, and the analysis involves two steps, namely model fitting for detectability curve and density estimates, as described below.

Model fitting was mostly consistent across years, indicating that the detectability curve was the same between years of the study (according to AIC rankings and detectability estimates; Appendix G). The best model fits across years were hazard-rate functions, represented by the lowest AID (ΔAIC = 0). The model suggests that detection remains high at closer distances (i.e., birds are just as likely to be detected between 0 and 100 m of an observer) but drops off steeply as distance increases beyond 100 m (Table 3.3-5).

TABLE 3.3-5 TOP AKAIKE'S INFORMATION CRITERION-RATED DISTANCE MODELS, MOVING VESSEL SURVEYS, 2019 TO 2025

Model Key and Adjustment	Detection Estimate[a]	Detection SE[b]	ΔAIC[c]
Hazard rate (all adjustments)	0.441	0.013	0.000
Uniform with cosine adjustment	0.424	0.009	18.368
Uniform with polynomial adjustment	0.412	0.021	20.789

Notes:
ΔAIC = difference (delta) in AIC; AIC = Akaike's Information Criterion; SE = standard error
[a] The detection estimate represents the average probability of detection. A higher detection estimate indicates that there is a greater probability of detecting an object at a given distance.
[b] Standard error (SE) is a measure of variability where values indicate the statistical accuracy of the detection estimate.
[c] Values provide relative rankings between models fit with the same data, where the lowest AIC-ranked model is considered the best fit to the data.

Detectability estimates (i.e., the probability of detecting a bird within 300 m of the observer) were also consistent between years, ranging from a low of 0.317 in 2020 to a high of 0.497 in 2022, with 2025 estimates consistent with 2023 estimates (0.449 detection estimate in 2025 and 0.441 in 2023; Table 3.3-6). A higher detection estimate indicates that seabirds are more likely to be seen and recorded, even if they are a greater distance away from the ship/observer. The detectability estimate itself is not a key result, but consistency in estimates indicates that data are similar across years.

The second part of distance sampling is to estimate the density of seabirds, accounting for the lower detectability with greater distance. Predicted seabird densities varied across years, with 2025 recording the highest seabird density for all years (4.419 birds per km^2 in 2025; Table 3.3-6). In 2025, seabird density estimates increased by approximately 331% relative to 2024, contrasting with the 76% decline between 2023 and 2024. The differences in estimated density reflect variability in the effort and number of birds detected between years.

TABLE 3.3-6 DETECTION AND DENSITY ESTIMATES BY YEAR (2019 TO 2025) DURING MOVING VESSEL SURVEYS

Year	Detection Estimate[a]	Detections 95% CIs[b]	Density (Birds/km^2)	Density 95% CIs[a]
All Years	0.441	0.416-0.466	1.478	1.397-1.564
2019	0.322	0.256–0.388	1.866	0.991–3.513
2020	0.317	0.239–0.395	1.178	0.663–2.093
2021	0.432	0.391–0.473	1.243	0.527–2.928
2022	0.497	0.441–0.553	1.181	1.055–1.323
2023	0.441	0.358–0.524	4.210	3.486–5.086
2024	0.424	0.336–0.512	1.026	0.833–1.264
2025	0.449	0.387-0.511	4.419	3.850-5.072

% = percent; CI = Confidence Interval; km^2 = square kilometre
[a] The detection estimate represents the average probability of detection. A higher detection estimate indicates that there is a greater probability of detecting an object at a given distance.
[b] Values indicate the range within which 95% of the samples fall.

Variability in the number of birds detected is driven by several elements, including random occurrence of large flocks (e.g., groups of 100 to 200 birds), observer experience, local habitat variation near islands or channels, and time of day. These are differences in the number of birds encountered/recorded, rather than true differences in regional bird abundance. Therefore, the density estimate for all years of data together is considered the most accurate (Table 3.3-6).

3.3.3 STATIONARY VESSEL SEABIRD OBSERVATIONS 2019 TO 2025

Analyses of stationary survey data included only on-effort sightings and did not use re-sightings of the same birds. Table 3.3-7 summarizes sample sizes for stationary vessel surveys (points), detections (groups), and individuals (total number of birds). Stationary vessel survey sample sizes include only those with recorded temporal effort.

The number of seabird detections during stationary vessel surveys in 2025 was higher than in 2024 but remained close to the overall average from previous years (n = 68 in 2025; mean value of 73 and median value of 68 from 2019 to 2025; Table 3.3-7). The number of seabird detections per survey in 2025 was 0.51, and this value has been declining since 2022, with a slight increase from 2024 to 2025 (2.17 detections per survey in 2022, 0.87 in 2023, and 0.26 in 2024). In 2025, the average number of individuals per detection was 3.59, compared to 4.34 in 2024 (Table 3.3-7). The average number of individuals per detection has decreased approximately 60% from a high of 8.94 in 2021 (Table 3.3-7). This indicates that during stationary surveys, seabirds have been recorded in smaller group sizes since 2021 and that both fewer seabirds and smaller groups of birds are being observed. The observed decrease in the average detection also aligns with when the survey methods changed to six 5-minute interval surveys, which suggests that this survey method may result in lower detection rates.

TABLE 3.3-7 SEABIRD SURVEY SAMPLE SIZES AND DETECTION AVERAGES DURING STATIONARY SURVEYS, 2018 TO 2025

Year	Stationary Vessel Surveys				
	Points	Detections	Individuals	Average Individual/ Detection	Average Detection/ Point
2018	5	0[a]	0[a]	-	-
2019	14	17	19	1.12	1.21
2020	90	81	318	3.93	0.90
2021	111	141	1,261	8.94	1.27
2022	29	63	263	4.17	2.17
2023	122	106	564	5.32	0.87
2024	136	35	152	4.34	0.26
2025	134	68	244	3.59	0.51

Note:
Dashes (-) indicate none observed.
[a] Locations were not given for 2018 stationary vessel data. Therefore, these observations were not used in the analysis.

3.3.3.1 SEABIRD SPECIES OBSERVED

Between 2019 and 2025, a total of 4,501 individuals from 34 known species and 10 unknown species were recorded during stationary vessel surveys (Table 3.3-8; Figure 3.3-4). Nearly 28% of records were from 2021 alone (n = 1,268 individuals), while 2023 made up an additional 22% of the observations (n = 1,010). In 2025, 369 individuals were recorded. Among the 369 individuals in 2025, 15 species were identified, and an additional 3 unidentified species. The most common species recorded in 2025 during stationary surveys were Surf Scoter (n = 110), Northern Fulmar (n = 105), and Iceland Gull (n = 55). Surf Scoter was recorded for the first time during stationary surveys in 2025; however, they were first observed in 2023 during moving vessel surveys. Red Phalarope was also observed for the first time during stationary surveys and was also recorded for the first time during moving transect surveys. Conversely, there was 1 observation of Herring Gull in 2025, which contrasts with previous years where more than 200 Herring Gull had been recorded in 2023 and 2024 (Table 3.3-8).

3.3.3.2 DISTANCE ANALYSIS: SEABIRD DETECTION ESTIMATE

Detection estimates indicate the relative likelihood that a seabird will be detected within the survey area (i.e., within 300 m from the observer), if it is there, considering lower detectability when birds are farther from the observer. A higher detection estimate indicates that seabirds are more likely to be seen and recorded, even if they are a greater distance from the ship/observer. Density estimates could not be calculated for stationary surveys, as stationary effort requires repeated surveys at the same locations. While several of the stationary vessel surveys were conducted at anchor, the sample size is currently too small for modelling.

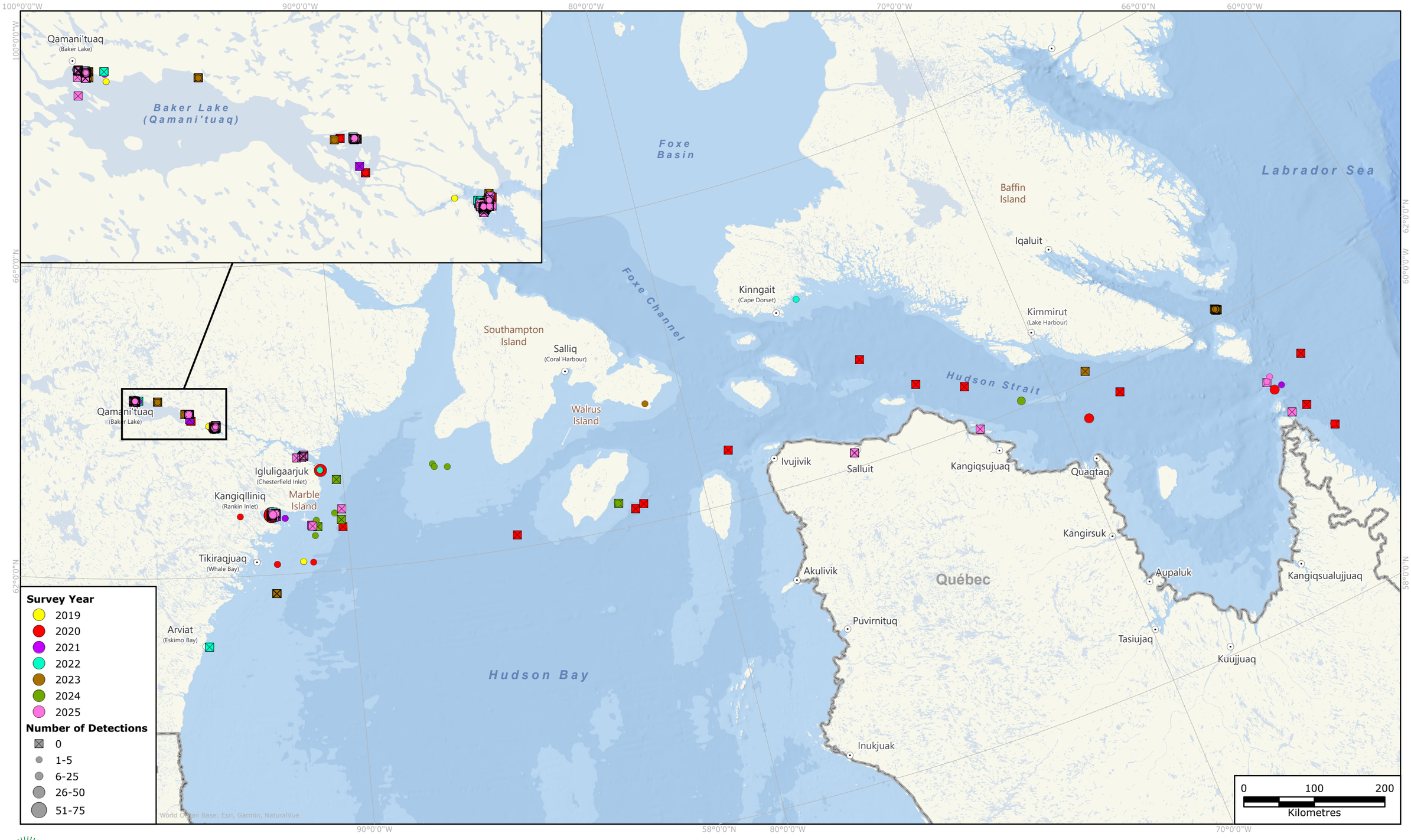
TABLE 3.3-8 BIRD SPECIES RECORDED DURING STATIONARY SEABIRD SURVEYS, 2019 TO 2025

Species	Scientific Name	2019	2020	2021	2022	2023	2024	2025	Total
American Crow	*Corvus brachyrhynchos*	0	1	0	0	3	0	8	12
Arctic Tern	*Sterna paradisaea*	0	1	0	0	0	0	0	1
Black Guillemot	*Cepphus grylle*	1	4	17	48	0	4	0	74
Black Scoter	*Melanitta Americana*	2	0	9	8	0	0	2	21
Black-legged Kittiwake	*Rissa tridactyla*	0	8	0	0	0	0	0	8
Cackling/Canada Goose	*Branta hutchinsii/ canadensis*	0	25	447	90	181	17	0	760
Common Eider	*Somateria mollissima*	0	8	3	11	0	0	27	49
Common Loon	*Gavia immer*	0	0	2	2	0	1	1	6
Common Murre	*Uria aalge*	0	0	20	2	0	5	2	29
Common Raven	*Corvus corax*	0	0	0	0	0	14	0	14
Dovekie	*Alle alle*	0	0	0	17	0	0	0	17
Glaucous Gull	*Larus hyperboreus*	4	18	6	16	0	0	9	53
Great Cormorant	*Phalacrocorax carbo*	0	0	1	0	0	0	1	2
Great Skua	*Stercorarius skua*	0	0	2	0	0	0	0	2
Greater Scaup	*Aythya marila*	0	0	0	0	2	1	0	3
Herring Gull	*Larus argentatus*	6	64	41	64	406	290	1	872
Iceland Gull	*Larus glaucoides*	0	0	2	19	1	0	55	77
Leach’s storm-Petrel	*Oceanodroma leucorhoa*	0	1	1	0	0	0	10	12
Long-tailed Duck	*Clangula hyemalis*	0	0	0	2	0	0	0	2
Northern Fulmar	*Fulmarus glacialis*	2	170	147	45	48	7	105	524
Parasitic Jaeger	*Stercorarius parasiticus*	0	0	0	1	0	0	0	1
Peregrine Falcon	*Falco peregrinus*	3	5	0	0	0	0	1	9

Species	Scientific Name	2019	2020	2021	2022	2023	2024	2025	Total
Pomarine Jaeger	*Stercorarius pomarinus*	1	4	5	1	0	0	0	11
Razorbill	*Alca torda*	0	3	0	7	2	58	5	75
Red Phalarope	*Phalaropus fulicarius*	0	0	0	0	0	0	6	6
Red-breasted Merganser	*Mergus serrator*	0	0	1	1	0	0	0	2
Sandhill Crane	*Grus canadensis*	0	1	0	0	0	0	0	1
Snow Goose	*Chen caerulescens*	0	176	419	182	117	0	0	894
Snowy Owl	*Bubo scandiacus*	0	1	0	0	0	0	0	1
Surf Scoter	*Melanitta perspicillata*	0	0	0	0	0	0	110	110
Thick-billed Murre	*Uria lomvia*	0	17	0	3	0	0	0	20
White-winged Scoter	*Melanitta deglandi*	0	2	0	0	0	0	0	2
Wilson’s storm-Petrel	*Oceanites oceanicus*	0	0	2	0	0	1	0	3
Unknown bird	NA	1	0	35	0	2	9	0	47
Unknown duck	NA	0	0	48	23	160	75	0	306
Unknown falcon	NA	0	2	0	0	0	0	0	2
Unknown goose	NA	0	0	0	7	25	0	0	32
Unknown gull	NA	4	17	59	206	16	27	15	344
Unknown hawk	NA	0	0	1	0	0	0	0	1
Unknown jaeger	NA	0	0	0	0	12	5	0	17
Unknown murre	NA	0	6	0	9	35	0	0	50
Unknown ptarmigan	NA	0	0	0	0	0	16	3	19
Unknown sandpiper	NA	0	2	0	0	0	0	8	10
Total		**24**	**536**	**1,268**	**764**	**1,010**	**530**	**369**	**4,501**

Note:
NA = not applicable

FIGURE 3.3-4 SEABIRD DETECTIONS DURING STATIONARY VESSEL SURVEYS, 2019 TO 2025



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CLIENT: Agnico Eagle
GIS NUMBER: AEG-23-041-03

DATE: 01/19/2026

PROJECTION: Canada Lambert Conformal Conic
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Stationary vessel surveys have limited model fitting capabilities due to lower sample size, compared to moving vessel surveys. Distance models were run for individual years from 2020 to 2025 and for all years combined (2019 through 2025), although very little data was collected in 2019.

The three key model selections were fit to estimate how quickly detectability changes with distance from the observer. Of the three model selection functions, hazard-rate models performed the best by AIC rating for all years of data combined (Table 3.3-9). However, the detection estimates for the hazard-rate model was low (0.046) and associated with a high standard error (SE = 0.119), which indicated uncertainty in the model's fit. Whereas the half-normal model had a higher detection estimate (0.060) and the lowest standard error (SE = 0; Table 3.3-9). Therefore, the half-normal model was selected as the most representative model, because it provided the most stable detection estimate. The half-normal model estimates that detection decreases gradually with greater distance from the observer. Although the model fitting was less consistent for the stationary vessel data, compared to the moving vessel surveys, detection estimates for stationary vessel surveys were consistent between years (Table 3.3-10).

TABLE 3.3-9 TOP AKAIKE'S INFORMATION CRITERION-RATED DISTANCE MODELS, STATIONARY VESSEL SURVEYS, 2019 TO 2025

Model Key and Adjustment	Detection Estimate[a]	Detection SE[b]	ΔAIC[c]
Hazard rate with polynomial adjustment	0.046	0.119	0.000
Uniform with cosine adjustment	0.041	0.008	0.40
Half-normal with cosine adjustment	0.060	0.007	8.24

Notes:
ΔAIC = difference (delta) in AIC; AIC = Akaike's Information Criterion, SE = standard error
[a] The detection estimate represents the average probability of detection. A higher detection estimate indicates that there is a greater probability of detecting an object at a given distance.
[b] Standard error (SE) is a measure of variability where values indicate the statistical accuracy of the detection estimate.
[c] Values provide relative rankings between models fit with the same data, where the lowest AIC ranked model is considered the best fit to the data.

The detection estimate for all years of data combined decreased with the addition of 2025 data (Table 3.3-10). The detection estimate for stationary vessel surveys is roughly 92% lower than the detection estimate for moving vessels, which suggests that seabirds are less likely to be detected during stationary vessel surveys, compared to moving vessel surveys. The data indicates that both detections and the number of birds recorded per survey were lower for stationary surveys, compared to moving surveys (2.69 detections per survey in moving surveys compared to 0.51 in stationary surveys; Table 3.3-3 and Table 3.3-7).

TABLE 3.3-10 DETECTION ESTIMATES FOR STATIONARY VESSEL SURVEYS BY YEAR BETWEEN 2020 AND 2025

Year	Detection Estimate[a]	Detection 95% CIs[b]
All Years	0.046	-0.186-0.279
2020	0.079	0.061–0.098
2021	0.112	0.086–0.138
2022	0.065	0.042–0.089
2023	0.099	0.090–0.107
2024	0.065	0.045–0.086
2025	0.036	-0.015-0.088

Notes:
% = percent; CI = Confidence Interval
[a] The detection estimate represents the average probability of detection.
[b] Values indicate the range within which 95% of the samples fall.

The detection estimate for stationary vessel surveys in 2025 was lower than in previous years, with declining detection rates per survey since 2023 (Table 3.3-10). However, there does not appear to be a pattern between the detection estimate, survey effort, or the average number of detections per survey. This variation in effort and detection estimates suggests that the detection estimates may be driven by a lack of detection data. The lower detection estimates observed in stationary surveys may be naturally lower than in moving vessel surveys, meaning seabirds are more difficult for the MMSO crew members to detect on stationary vessels, compared to moving vessels.

3.4 MARINE WILDLIFE OBSERVATIONS—BAKER LAKE

To satisfy Term and Condition 36 of Meadowbank Mine PC No. 004, a local area marine wildlife monitor is required onboard all vessels transporting fuel or materials for the mine between Helicopter Island and Baker Lake.

Community members have been recording observations of marine wildlife since 2008, apart from 2020 and 2021 due to health and safety restrictions in place related to the COVID-19 pandemic. Groupe Desgagnés and Woodward had their MMSOs record sightings of marine mammals and seabirds when possible while travelling during those 2 years. The vessel companies continued to conduct some surveys in 2025; survey effort and results from these surveys are included in Sections 3.2 and 3.3 and summarized in Section 3.4.1. Agnico Eagle remains committed to meet compliance with Term and Condition 36 of Meadowbank Mine PC No. 004 and continues to seek out monitors from the Chesterfield Inlet each year.

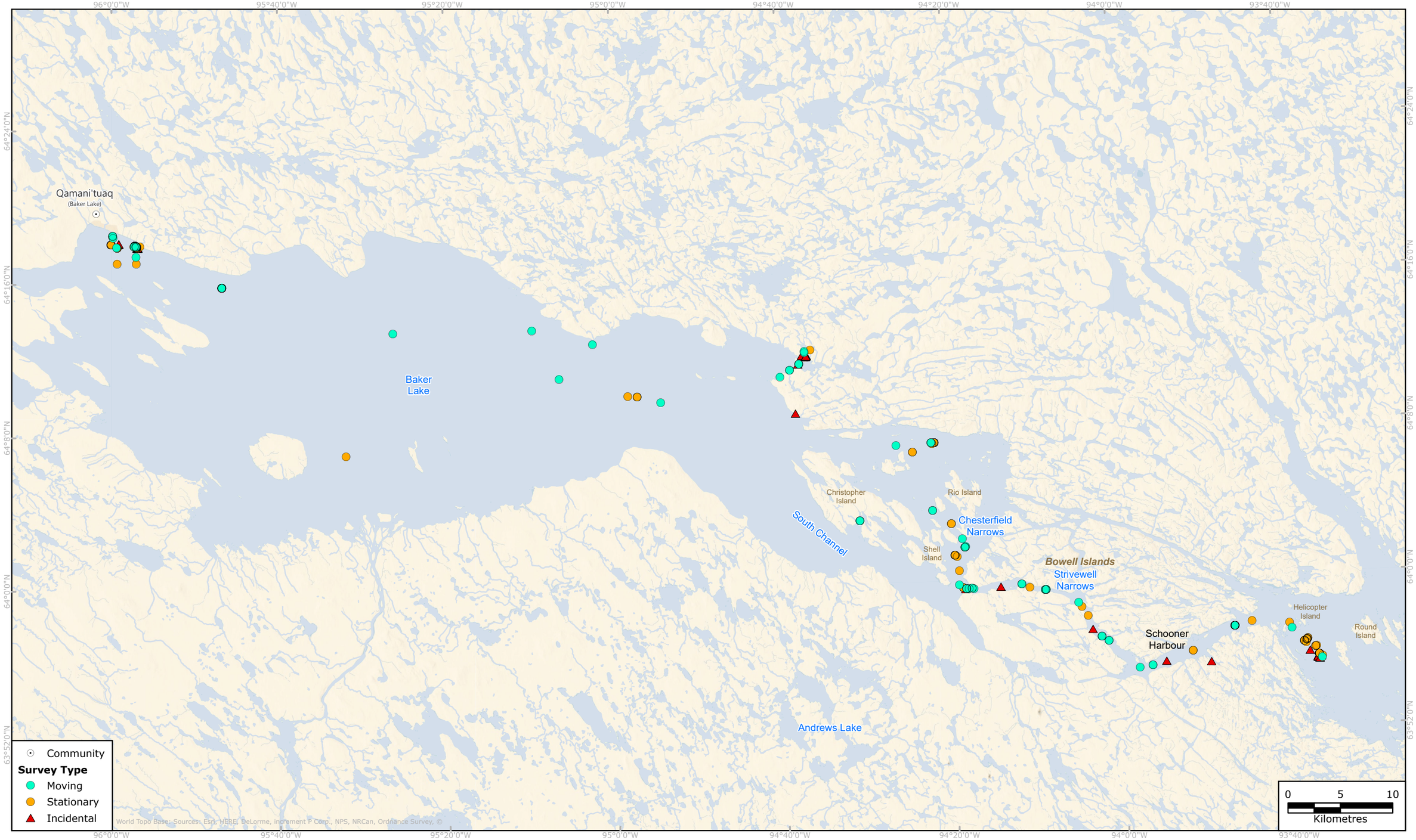
In 2025, local wildlife monitors were on the vessels for a total of 49 days and collected incidental observations in July, August, and October on the Tuvaq W. between Helicopter Island and Baker Lake. Table 3.4-1 summarizes the number of days an observer was recording sightings while on the vessels between 2008 and 2025. In 2025, there were 434 separate sightings of birds (a total of 2,701 individuals; Figure 3.4-1) and no marine mammals were observed. There were, however, 5 incidental observations of muskox on land (*Ovibos moschatus*; 112 individuals).

TABLE 3.4-1 INCIDENTAL SURVEY EFFORT BY LOCAL WILDLIFE MONITORS BETWEEN HELICOPTER ISLAND AND BAKER LAKE, 2008 TO 2025

Year	Survey Dates	Total Number of Days Surveyed
2008[a]	18–31 July; 2–8 August	8
2009	19–22 August; 26–31 August; 3–7 September	14
2010	18–27 October	10
2011	28–31 July; 6–7 August	6
2012	6–7 August	2
2013	13–19 August; 9-16 October	15
2014	6–10 October	5
2015	9–22 July; 23 July – 5 August; 13–21 October	37
2016[a]	26–31 July; 2–13 October	18
2017[a]	July; October	-
2018[a]	-	19[c]
2019	19–24 September	6
2020	27–28 July; 9–10 August; 12 August; 15 August; 18 August	7
2021[b]	28 July; 5–6 October; 10 October; 18 October	5
2022	21–27 July; 4–8 August; 16–23 October	22
2023	28 July – 9 August; 18–19 August; 7–9 October	27
2024	1-12 August; 17 August – 2 September; 22–29 October	37
2025	24-31 July; 1-5 August; 9-22 August; 9-30 October	49

Notes:
Groupe Desgagnés = Groupe Desgagnés, Inc.; Woodward = Woodward Group of Companies
During 2020 and 2021, surveys were conducted by Groupe Desgagnés and Woodward vessel crew members rather than community members.
[a] Specific dates were not provided for these years—only months, or approximate dates, number of hours surveyed, or dates where observations occurred were provided. A best estimate of number of days surveyed is therefore provided for these years (2008, 2016, 2017, and 2018).
[b] All surveys conducted on the barge while travelling between Helicopter Island and Baker Lake were seabird survey transects; no marine mammal transects were completed on the barge in 2021.
[c] No dates were provided for 2018; however, it was noted that 153 hours of surveys were completed. Therefore, it was assumed that surveys were conducted 8 hours per day, for a total of 19 survey days. However, it is important to note that this is an estimate based on the number of hours surveyed.

FIGURE 3.4-1 SEABIRD OBSERVATIONS FROM WILDLIFE MONITORING SURVEYS BETWEEN HELICOPTER ISLAND AND BAKER LAKE, 2025



ERM

CLIENT: Agnico Eagle
GIS NUMBER: AEG-23-042-01

DATE: 03/05/2026

PROJECTION: Canada Lambert Conformal Conic
SCALE: 1:340,000 when printed at 11x17

Tables 3.4-2 and 3.4-3 summarize marine mammal and seabird observations by the local wildlife monitors onboard contractor vessels transporting fuel for the Meadowbank Complex between Helicopter Island and Baker Lake between 2008 and 2019 and from 2022 to 2025. Observations made by Groupe Desgagnés and Woodward crew members in 2020 and 2021 are also included.

TABLE 3.4-2 MARINE MAMMALS OBSERVED BY LOCAL WILDLIFE MONITORS BETWEEN HELICOPTER ISLAND AND BAKER LAKE, 2008 TO 2025

Year	Month	Number of Days Surveyed	Seals	Polar Bears (*Ursus maritimus*)[c]
2008	August	2	2	3
2008	July	1	-	-
2009	August	2	6	-
2009	September	1	2	-
2010	October	1	1	-
2020[a]	August	4	1	-
2021[a]	July	NA[b]	-	-
2022	August	34	-	-
2022	September	16	-	-
2022	October	4	-	-
2023	July	4	-	-
2023	August	11	1	-
2023	October	12	-	-
2024	August	27	1	-
2024	September	2	-	-
2024	October	8	-	-
2025	July	8	-	-
2025	August	19	-	-
2025	October	22	-	-

Notes:
Groupe Desgagnés = Groupe Desgagnés, Inc.; NA = not applicable; Woodward = Woodward Group of Companies
Dashes (-) indicate none observed.
Marine mammals were only observed during wildlife monitoring surveys on the barge in 2008, 2009, 2010, and 2020. No other marine mammals were recorded during surveys between 2011 and 2019. During 2020 and 2021, surveys were conducted by Groupe Desgagnés and/or Woodward vessel crew members rather than community members.
(continued on next page)

Notes (completed):
[a] Groupe Desgagnés and Woodward vessel crew member survey effort and observations between Helicopter Island and Baker Lake are included in this table, as there was no local monitoring during those years. Sightings by vessel crew members during other years are not included in this table but are included in Section 3.2 and summarized in Section 3.4.1.
[b] No surveys were conducted on the barge travelling between Helicopter Island and Baker Lake in 2021 due to crew requirements and the majority of transits occurring during dark hours; however, 25 stationary surveys for marine mammals were conducted while the vessel was at anchor at Helicopter Island. These results are presented in Section 3.2.2 of the report and not summarized in this table.
[c] Species listed as Special Concern on Schedule 1 of the federal *Species at Risk Act* (2002).

TABLE 3.4-3 SEABIRDS OBSERVED BY LOCAL WILDLIFE MONITORS BETWEEN HELICOPTER ISLAND AND BAKER LAKE, 2008 TO 2025

Year	Month	Number of Days Surveyed	Gulls/ Terns	Loons	Snow Geese	Waterfowl	Other Seabird	Eagle/ Falcon	Unknown Birds and Other
2008	July	1	-	1	-	-	-	-	-
2008	August	2	1+[a]	1	-	-	-	-	-
2009	August	2	1+	-	1+	1+	-	3	-
2009	September	1	1+	3	1,000+	5	-	1	-
2010	October	1	-	-	-	-	-	-	-
2011	July	1	-	-	-	2	-	-	-
2011	August	1	1+	-	-	-	-	-	-
2012	August	1	24	-	-	-	-	-	-
2013	August	2	10+	1	15+	-	-	-	10+
2013	October	1	6	-	12	-	-	-	2
2014	October	1	-	-	-	-	-	-	-
2015	July	1	-	2+	-	-	-	-	-
2015	August	1	-	-	-	-	-	-	-
2015	October	1	-	-	-	-	-	-	-
2016	July	1	14	-	-	-	-	-	2+
2016	October	1	32	1	-	-	-	-	53
2017	July	1	65	-	-	3	-	-	-
2018	August	1	-	-	-	-	-	-	-
2019	September	1	85	-	540	270	-	4	3
2020[c]	July	2	1	-	-	2	-	-	-
2020[c]	August	2	8	-	-	-	6[b]	-	-
2021[c]	July	1	30	-	-	-	-	-	-

Year	Month	Number of Days Surveyed	Gulls/ Terns	Loons	Snow Geese	Waterfowl	Other Seabird	Eagle/ Falcon	Unknown Birds and Other
2021[c]	October	8	14	-	-	24	-	-	28
2022	July	34	75	1	-	1	-	-	-
2022	August	16	33	-	-	-	-	-	4
2022	October	4	-	-	-	-	-	-	-
2023	July	1	28	2	-	-	-	-	-
2023	August	24	182	2	-	57	-	1	4
2023	October	71	122	-	-	-	-	5	260
2024	August	27	416	57	-	291	5	18	61
2024	September	2	35	4	-	40	-	4	-
2024	October	8	75	-	-	40	-	-	92
2025	July	8	232	12	-	12	-	3	7
2025	August	19	657	26	-	598	-	4	27
2025	October	22	222	-	50	4	1	5	841

Notes:
Dashes (-) indicate none observed.
[a] The number of individuals observed was often not recorded—only the species seen. In these cases, 1+ is entered in the table, as the number observed is unknown.
[b] Includes northern fulmar, petrel, cormorant, and jaeger.
[c] Groupe Desgagnés and Woodward vessel crew member survey effort and observations between Helicopter Island and Baker Lake are included in this table, as there was no local monitoring during those years. Sightings by vessel crew members during other years are not included in this table but are included in Section 3.3 and summarized in Section 3.4.1.

3.4.1 GROUPE DESGAGNÉS AND WOODWARD OBSERVATIONS—BAKER LAKE

In addition to community wildlife observers, the shipping companies continued to record marine wildlife sightings while vessels were at anchor near Helicopter Island or while travelling between Helicopter Island and Baker Lake to supplement the community observer effort. Results of surveys are presented in Sections 3.2 and 3.3 and summarized below. Incidental observations made by MMSOs are summarized in this section.

For marine mammals, 37 stationary surveys were completed at Helicopter Island, and 31 stationary surveys between Helicopter Island and Baker Lake in 2025 (Figure 3.2-1); however, no marine mammals were observed during the surveys. The vessel companies did not complete any moving vessel surveys in 2025 between Helicopter Island and Baker Lake, except for the Tuvaq W., which had a local monitor onboard recording observations. There was one incidental sighting by the vessel MMSOs of a harbour porpoise in August.

For seabirds, 63 stationary surveys were completed while anchored at Helicopter Island, 61 of which had survey effort data recorded. Across those 61surveys, a total of 44.9 hours of survey time was recorded, with each survey lasting an average of 0.74 hours. During the stationary surveys, including those without full survey effort, a total of 29 individual seabirds were recorded (4 different species; included in Section 3.3).

In addition to the stationary surveys, 1 moving transect survey for seabirds was completed between Helicopter Island and Baker Lake. The survey had sufficient spatial data to calculate spatial effort, which was completed onboard the Tuvaq W. Spatial effort for this survey was 9.75 km. During the moving transect survey, 8 individual seabirds (3 different species) were observed (listed in Section 3.3). An additional 84 incidental sightings were recorded (1,569 individuals) by MMSOs on the Atlantic Beech Tug. Incidental seabird sightings were recorded between July 18 and October 27, 2025. The most frequently observed species were Herring Gull (55 sightings; 154 individuals), Snow Goose (11 sightings; 1,130 individuals), and Rock Ptarmigan (4 sightings; 220 individuals; Appendix H). Incidental observations occurring between Helicopter Island and Baker Lake are also included in Appendix H.

4. CONCLUSIONS

Overall, vessels have been successful in following mitigation measures and avoiding any interactions with marine mammals or seabirds, as there have been no ship strikes recorded to date. In addition, survey effort and quality of data collected by the MMSOs for the mines have improved since 2019. The marine mammal survey effort in 2025 illustrated continued improvements since 2019.

Attention to recording all data (i.e., positions and times) is required to ensure all survey effort is included in the summary of the surveys. It is likely that the enhanced training for vessel crew members over the last 6 years helped improve the number of surveys completed, as well as the quality of data collected. The seabird survey effort in 2025 illustrated that the vessel captains and crew have increased their understanding of the MMSO Program requirements of completing the 5-minute interval surveys.

Agnico Eagle will continue to improve vessel crew member training in the following five areas:

1. The training given to the vessel's crew MMSOs will be reviewed every year to prepare crew members for the shipping season.
2. The seabird surveys were primarily completed in six consecutive 5-minute periods, following the ECSAS protocol. Updated datasheets helped emphasize the correct data collection protocol in 2025. Training for the MMSOs will again focus on this aspect of the methodology in 2026.
3. Data entry improved for marine mammal surveys, however, incomplete data entry (i.e., data entry fields for survey effort left blank) continues to occur. In 2025, only 4% of marine mammal survey data were missing information such as start or end times or positions. This percentage is the lowest observed to date and was a decrease compared to all previous years of the program. For seabird surveys, 58 (50%) of moving vessel surveys were missing spatial effort. Temporal effort was missing from 43 moving vessel surveys in 2025 (25%) and from 41 (23%) stationary surveys, which is a decline from 2024's efforts. Although reporting of seabird survey spatial effort decreased in 2025, and several surveys still lack the effort data required for statistical analysis, the trend has become more consistent overall since the start of the program in 2018. Agnico Eagle will continue to emphasize the importance of complete data collection and continue to encourage all MMSOs to complete the data entry fields.
4. Species identification while at sea can be challenging. Agnico Eagle has been providing species identification sheets to the vessels used to monitor marine mammals and seabirds since 2020, and additional aids (e.g., species identification posters) were provided in recent years. Agnico Eagle will continue to work with the shipping companies to provide relevant aids, as needed.
5. Agnico Eagle will continue to inform the vessels' captains and crew of specific mitigation measures to use to manage interactions with marine mammals and birds.

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APPENDIX A SHIPPING MANAGEMENT PLAN SUMMARY BROCHURE—MEADOWBANK AND MELIADINE



AGNICO EAGLE

SHIPPING MANAGEMENT PLAN

Meadowbank and Meliadine



SHIPPING MANAGEMENT PLAN SUMMARY

This document summarizes the information found in the Agnico Eagle Shipping Management Plans for Meadowbank and Meliadine (Agnico Eagle 2025a; 2025b) into a single convenient package for review and as a reference document. It is expected that all bridge crew on all vessels supplying Meadowbank and Meliadine review this document and have it available on the bridge of the vessel while under way.

The Meadowbank division has implemented a vessel-based Marine Mammal and Seabird Observer (MMSO) program since 2010, and the Meliadine division since 2016. These programs will continue to be implemented during all routine project-shipping activities, in accordance with Meadowbank Mine NIRB Project Certificate No. 004 Condition 36 and Meliadine NIRB Project Certificate No. 008 Condition 40.



The NIRB conditions require Agnico Eagle to include in its contracts that ships must remain mindful of marine areas having a high density of marine mammals and birds. Agnico Eagle's NIRB Project Certificates include conditions to ensure the mitigation measures and monitoring programs outlined in this summary document are conducted by shipping companies; thus, shipping companies are required to review and become familiar with the information summarized in this document.

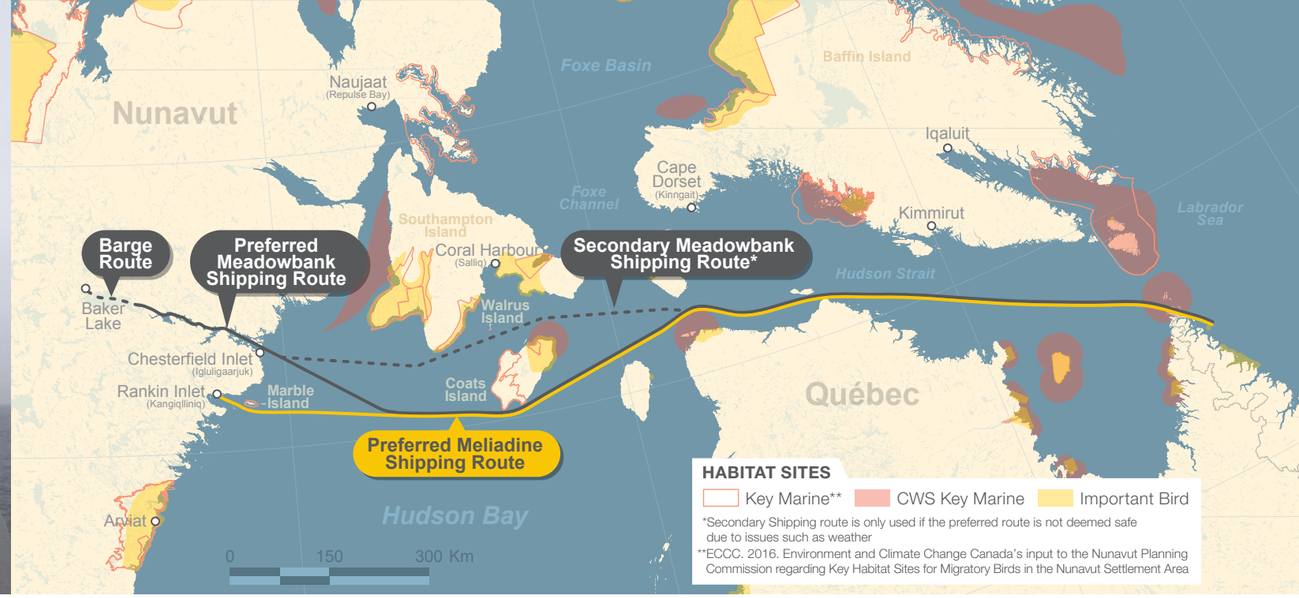
GENERAL GUIDELINES FOR OPERATION OF VESSELS

The Shipping Management Plans include Mitigation, Management, Monitoring and Reporting requirements:

1. Mitigation: Standard operation of the vessel.	Avoidance of seabird colonies and marine mammal haul-outs on shore	Vessel operation – maintain straight course, constant speed, avoid erratic behaviour
2. Management: What to do when you see a marine mammal or seabird.	Avoidance of marine mammals and seabirds on the water	What to do if a marine mammal approaches the vessel
3. Monitoring: The Marine Mammal and Seabird Observation Program.	Monitoring for marine mammals and seabirds	
4. Reporting: Monitoring data sent to Agnico Eagle. How to report collisions or incidents to Agnico Eagle and the government.	Monitoring data sent to Agnico Eagle	What to do if there is a collision with a marine mammal



SHIPPING MITIGATION & MANAGEMENT MEASURES



Ship captains and crew should review the following mitigation measures and be familiar with guidelines around marine mammals and seabirds, as well as navigational options for vessel maneuvers when encountering marine mammals and seabirds. Mitigation and management measures are summarized from the Shipping Management Plans for Meadowbank and Meliadine.

1. General navigational requirements while travelling through Hudson Straight to Helicopter Island or Rankin Inlet, include the following:

a. Ships will, when possible, maintain a straight course and constant speed, and avoid erratic behaviour;

b. Marine mammals will be given right of way as safe navigation allows;

c. The ship will not be operated in such a way as to separate an individual member(s) of a group of marine mammals from other members of the group;

d. Ships will maintain the required setback distances around marine mammals and seabirds on land;

Avoiding Marine Mammals and Seabird Colonies on Land

Maintain a setback distance of >500 m from colonies of seabirds and marine mammals on shore

Avoiding Marine Mammals on Sea Ice

Do not approach within 300 m of a walrus or polar bear observed on sea ice



e. Ships will use a routing south of Coats Island as the primary shipping route;

f. Ships travelling for the Meliadine project will remain at least 2 km from Marble Island to avoid disturbing seals, walrus and marine birds that might be in the vicinity; and

g. Ships will maintain the required setback distances around marine mammals and seabirds in the water.

General Guidance on the Water

Vessels maintain > 500 meters from aggregations of seabirds and marine mammals on the water*

Whales Always Have Right-of-Way

Vessel Operation: Maintain straight course, constant speed, avoid erratic behavior



As per **Marine Mammal Regulations s.7(3)**, maintain a minimum of 100 m from marine mammals at all times

What to do if a Marine Mammal Approaches the Vessel

Option 1

Reduce its speed and, if possible, cautiously move away from the animal

Option 2

If it is not possible for the ship to move away from or detour around a stationary marine mammal or group of marine mammals, the ship will reduce its speed and wait until the animal(s) move to the side and remain 100 m to 500 m (Meadowbank) from the ship prior to resuming speed

Option 3

If animals appear to be trapped or disturbed by ship movements, the ship will mitigate disturbance (e.g., stoppage of movement) until the animal(s) has moved away from the immediate area

*** The two projects have slightly different guidance on setbacks:**
Meadowbank – Maintain 500 m away from feeding marine mammals and aggregations of seabirds and marine mammals
Meliadine – Maintain 300 m from feeding marine mammals.
Meliadine – Maintain 100 m away at all times.

2. As part of shipping companies' standard operating procedures, ship crews will monitor for marine mammals and seabirds from Hudson Strait to the lightering point near Helicopter Island (Meadowbank) or Rankin Inlet (Meliadine).

3. The ship's Master will be notified if there is a concern of the ship striking a marine mammal.

4. Ship personnel will make a decision if actions are required to avoid a possible collision by implementing management measures, if safe to do so.

5. If a collision occurs, the appropriate people will be contact and the incident will be documented.



MARINE MAMMAL MANAGEMENT AND MONITORING PROGRAM

The Marine Mammal Management and Monitoring Plan (MMMMP) was developed for the Project to meet commitments made during the Nunavut Impact Review Board (NIRB) hearings related to Marine Shipping. The MMMMP was designed to provide protocols for conducting a vessel-based Marine Mammal and Seabird Observer (MMSO) program during all routine shipping activities along the shipping route.

A Marine Mammal and Seabird Observer (MMSO) will be assigned by the captain prior to departure. The role of the MMSO is to record and report on marine mammals and seabird sightings during shipping activities along the shipping routes, and to advise the ship's crew on the location of observed marine mammals and if any action is recommended based on mitigation measures. MMSO and other crew members are also encouraged to collect incidental sightings (i.e., observations of marine mammals or seabirds NOT during dedicated monitoring) during their voyage and to report it to Agnico Eagle in addition to the MMSO data. Standard monitoring and data collection protocols for marine mammals and seabirds will be provided to the crew in the form of Standard Operating Procedures (SOPs) and in-person or online training.



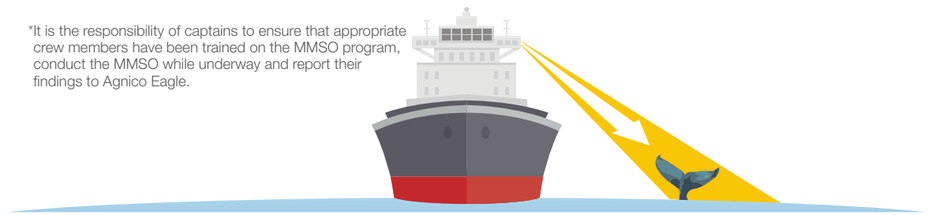
THE MARINE MAMMAL AND SEABIRD OBSERVATION (MMSO) PROGRAM

1. Ship crews (the assigned MMSO) will monitor for marine mammals and seabirds from Hudson Strait to the lightering point near Helicopter Island (Meadowbank) or Rankin Inlet (Meliadine)

2. The ship's Master will be notified if there is a concern of the ship striking a marine mammal

3. Ship personnel will make a decision if actions are required to avoid a possible collision

*It is the responsibility of captains to ensure that appropriate crew members have been trained on the MMSO program, conduct the MMSO while underway and report their findings to Agnico Eagle.



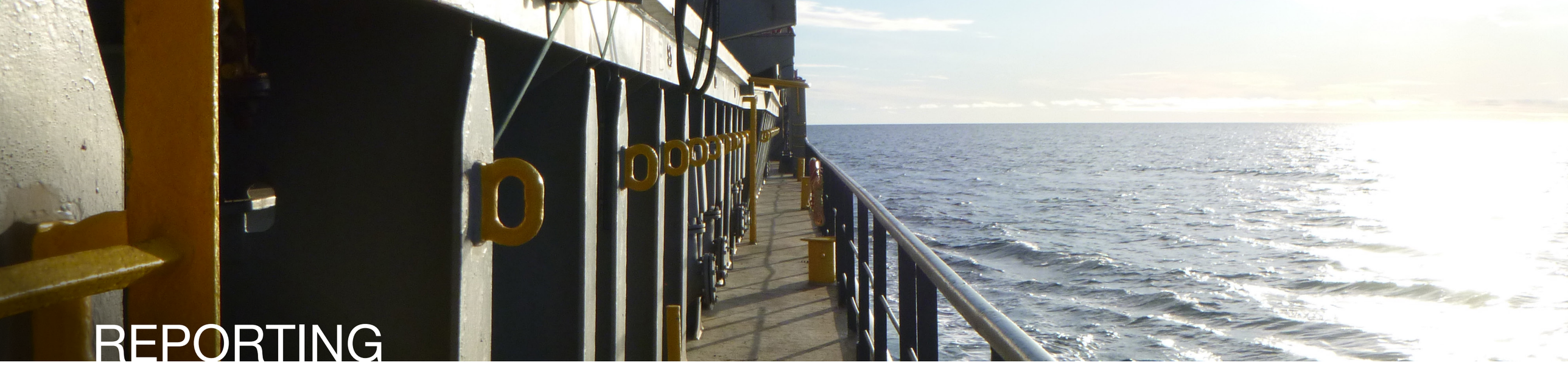
HOW OFTEN DOES THE MMSO SURVEY?

Marine Mammal Monitoring: Conduct at least 1 dedicated survey per day (attempt 2), lasting 1.5 to 2 hrs beginning in Hudson Strait

Seabird Monitoring:

- Conduct 3 dedicated surveys per day (morning, afternoon, evening)
- Each survey lasts 30 min, made up of ***6 separate 5-min observation periods***, beginning in Hudson Strait

Incidental Sightings: While traveling from Hudson Strait to Rankin Inlet/Helicopter Island, look for marine mammals incidentally to avoid collisions and record incidental sightings



REPORTING

Data collected by the MMSOs must be submitted annually by Agnico Eagle to the Government of Nunavut and other applicable regulators (e.g., Environment and Climate Change Canada (ECCC) - Canadian Wildlife Service (CWS)) regarding the location, behaviour, abundance, and species observed as well as any interactions with Project vessels during shipping activities along the shipping route. Therefore, data and ship tracks must be submitted to Agnico Eagle within 2-3 weeks of completion of the voyage.

VESSEL OPERATORS REPORT THE FOLLOWING INFORMATION ANNUALLY TO AGNICO EAGLE

Vessel Information:

- Name
- Dates of Transit
- Track log from Montreal to Agnico Eagle site
- General description of cargo

Track Information:

- A GPS track of the vessel route

MMSO Information:

- All data sheets collected by MMSO
- A record of any Management – avoidance of marine mammals or seabirds
- All incidental sightings of marine mammals or seabirds collected during the voyage (i.e., not during the dedicated MMSO surveys)

Agnico Eagle Contact:

mmso@agnicoeagle.com

IF A COLLISION OCCURS

Report all collisions to Agnico Eagle:

AGNICO EAGLE

Sara Savoie: Work: +1 (819) 759-3555 x 4603212 Cell: +1 (819) 856-9349

Robin Allard: Cell: +1 (819) 860-1414

If a Marine Mammal and Vessel Collision Occurs Contact DFO:

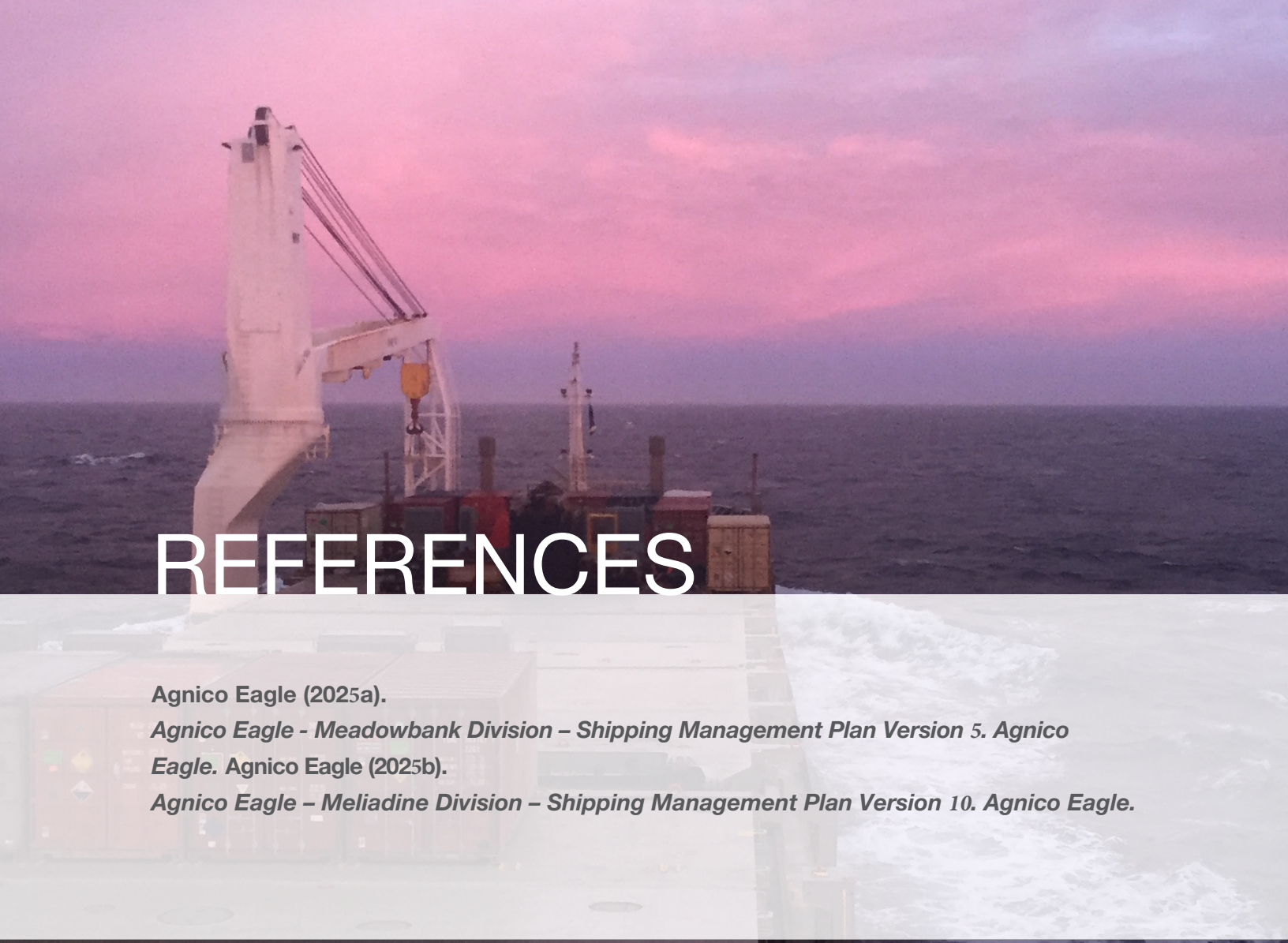
Central and Arctic, Nunavut – Iqaluit: +1 (867) 979-8000

Captain must report the following information (as per Marine Mammal Regulations s.39):

- Date, time and location of the incident;
- Species of marine mammal involved in the incident;
- Circumstances of the incident;
- Size and type of vehicle;
- Weather and sea conditions at the time of the incident;
- Observed state of the marine mammal after the incident; and
- Direction of travel of the marine mammal after the incident, to the extent that it can be determined.

If a Seabird and Vessel Collision Occurs Contact:

ECCC Wildlife Enforcement: ec.dalfnord-wednorth.ec@canada.ca



REFERENCES

Agnico Eagle (2025a).
Agnico Eagle - Meadowbank Division – Shipping Management Plan Version 5. Agnico Eagle. Agnico Eagle (2025b).
Agnico Eagle – Meliadine Division – Shipping Management Plan Version 10. Agnico Eagle.



APPENDIX B MARINE MAMMAL MONITORING STANDARD OPERATING PROCEDURE

Meadowbank and Meliadine Projects

Marine Mammal Monitoring

STANDARD OPERATING PROCEDURE SHIP-01

June 3, 2025 Version B.5

Scope of Work: This SOP provides guidance for marine mammal monitoring procedures for shipping companies contracted by Agnico Eagle. Monitoring is conducted to avoid potential effects to marine mammals. The shipping companies are required to record marine mammal observations based on the protocols outlined in this SOP along the shipping route between Hudson Strait and Helicopter Island/Rankin Inlet.

Contacts:

Agnico Eagle
mmso@agnicoeagle.com

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ATTACHMENT C MARINE MAMMAL ID GUIDES

ATTACHMENT D MMSO INCIDENT REPORT FORM

ATTACHMENT E INCIDENTAL MARINE WILDLIFE SIGHTINGS FORM

1. PROGRAM DESCRIPTION AND OBJECTIVES

A Marine Mammal Monitoring Standard Operating Procedure (SOP) has been developed to guide onboard monitoring for marine mammals. This SOP satisfies the Meadowbank Mine NIRB Project Certificate No. 008 Condition 40 and the Meliadine NIRB Project Certificate No.006 Condition 82.

The purpose of this SOP is to identify the monitoring procedures for shipping companies contracted by Agnico Eagle to avoid potential effects to marine mammals. This document outlines the following:

- how to avoid or adjust shipping speed near sensitive wildlife habitat along shipping routes;
- how to record observations of marine mammals, which includes whales, pinnipeds (i.e., seals and walruses), and polar bears;
- potential mitigation if marine mammals are observed;
- how to record and report mitigation measures taken, if applicable; and
- how to record and report ship strikes of marine mammals if they occur.

Agnico Eagle will update this SOP as necessary, in response to feedback from the Department of Fisheries and Oceans (DFO), Environment and Climate Change Canada (ECCC) or in response to data collected in the field or scientific advances.

2. MARINE MAMMAL MONITORING

2.1 Overview

The following protocol will be implemented during the Marine Mammal and Seabird Observer (MMSO) program:

- A minimum of one assigned MMSO will be present on-board vessels during all transits;
- The MMSO will conduct marine mammal observations along the shipping route from the bridge during daylight hours and record sightings into the *Marine Mammal Sightings Form* (Attachment A); and
- The shipping contractor will initiate mitigation measures designed to minimize Project impacts on marine mammals, as identified in the Marine Shipping Mitigation Summary Booklet and summarized in Attachment B.

2.2 Training

The captain is responsible to assign an MMSO to the bridge, and to ensure that the MMSO has been trained to identify marine mammals and seabirds.

Training for the assigned MMSOs includes:

- The pre-trip training live webinar, or review of the recorded webinar prior to beginning the MMSO duties. The recorded webinar will also be available on the ship for review as needed;
- Review the Marine Mammal Monitoring SOP (this document), the Marine Shipping Mitigation Summary Booklet, and the Seabird Monitoring SOP (SOP # SHIP-02);
- Review marine mammal identification, including common species provided in Attachment C (Whale ID Guide and Pinniped ID Guide);
- Know how to estimate distances to animals observed; and

- Review how to fill out the *Marine Mammal Sightings Form* (Attachment A) and the *Marine Mammal and Seabird Observer (MMSO) Incident Report Form* (Attachment D).

2.3 Equipment

Bridge staff participating in wildlife monitoring will require the following when conducting surveys:

1. This SOP;
2. Whale ID Guide and Pinniped ID Guide (Attachment C);
3. *Marine Mammal Sightings Form* (Attachment A);
4. *MMSO Incident Report Form* (Attachment D);
5. Binoculars;
6. GPS (only required if unable to get GPS coordinates from the ship); and
7. Clipboard and pencil.

2.4 Marine Mammal Monitoring Methods

Marine mammal surveys are required along the shipping route from Hudson Strait to Helicopter Island/Rankin Inlet, and during the return journey from Helicopter Island/Rankin Inlet through Hudson Strait (Figure 2.4-1). Surveys must be conducted at least once per day, but two surveys per day is preferred.

General environmental and marine mammal sightings information is to be collected and recorded by filling out the form in Attachment A. The protocol outlined in this section are best conducted along a transect line, therefore, it is best to start a marine mammal observation period when the vessel is and will be moving in a straight line for an extended period of time.

2.4.1 Observation Period

- Marine mammal monitoring is required from Hudson Strait to Helicopter Island (Meadowbank) or Rankin Inlet (Meliadine), along the shipping route presented in Figure 2.4-1.
- Conduct a minimum of 1 survey per day; however, 2 surveys per day is preferred.
- Prioritize conducting surveys around Coats Island, Hudson Strait, and/or approaching Helicopter Island/Rankin Inlet.
- MMSO observation periods should last approximately 1.5 hours, but should not last longer than 2 hours to mitigate observer fatigue and eyestrain.
- During dedicated surveys, sightings are only recorded by the MMSO, with no assistance permitted by other crew members.
- For each observation period, document information on the ship's location, travelling speed and direction, environmental conditions on a *Marine Mammal Sightings Form*.

2.4.2 Observer Position

- Observations will be done from a high location on the vessel and ideally outdoors if possible and will be conducted at the same location each time.
- For marine mammal observations, depending on the weather conditions and safety requirements for the crew, the MMSO will position themselves in the middle of the ship at the front (bow) to observe marine mammals on both the starboard and the port side (Figure 2.4-2).

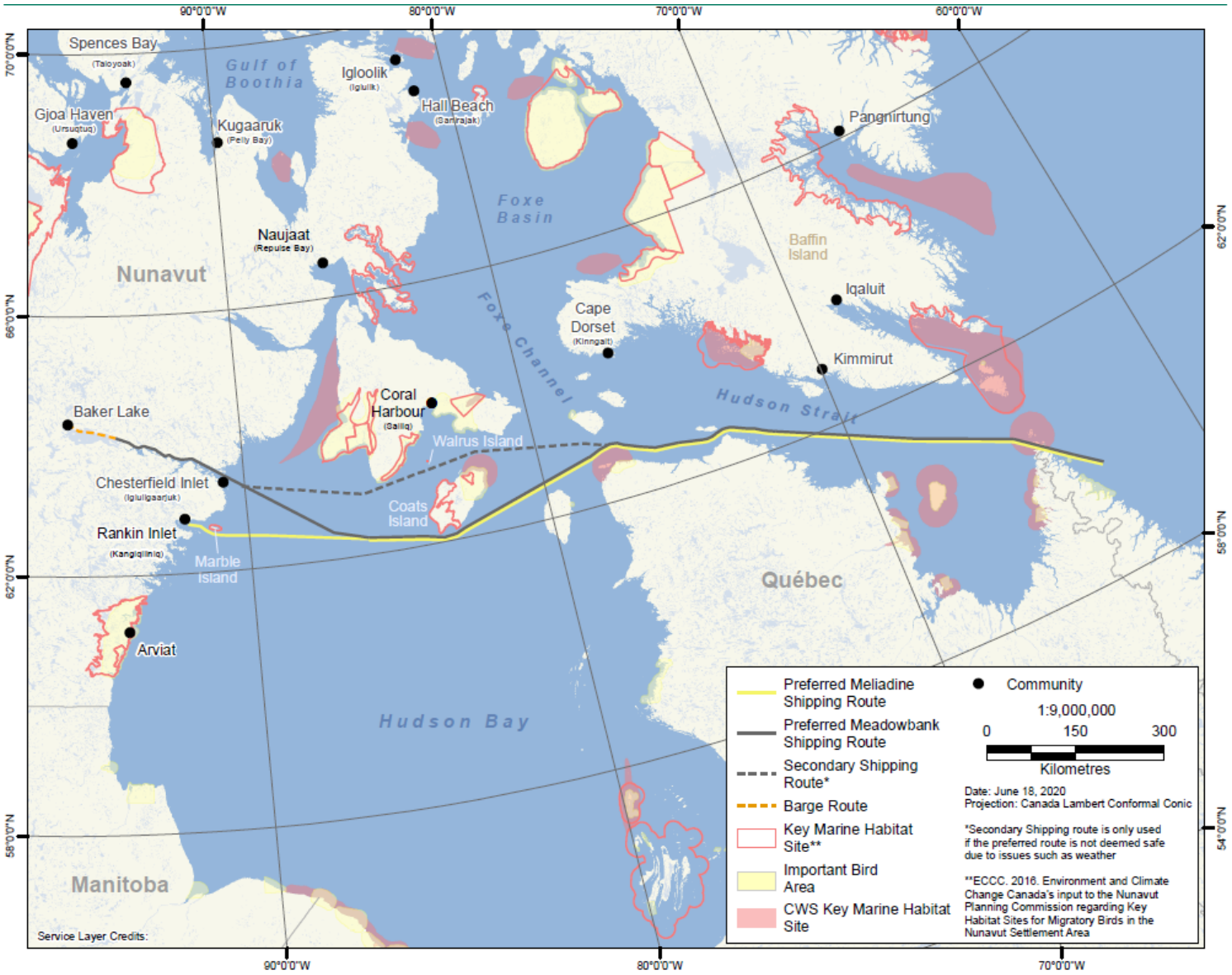


Figure 2.4-1: Shipping Routes During the Open Water Season

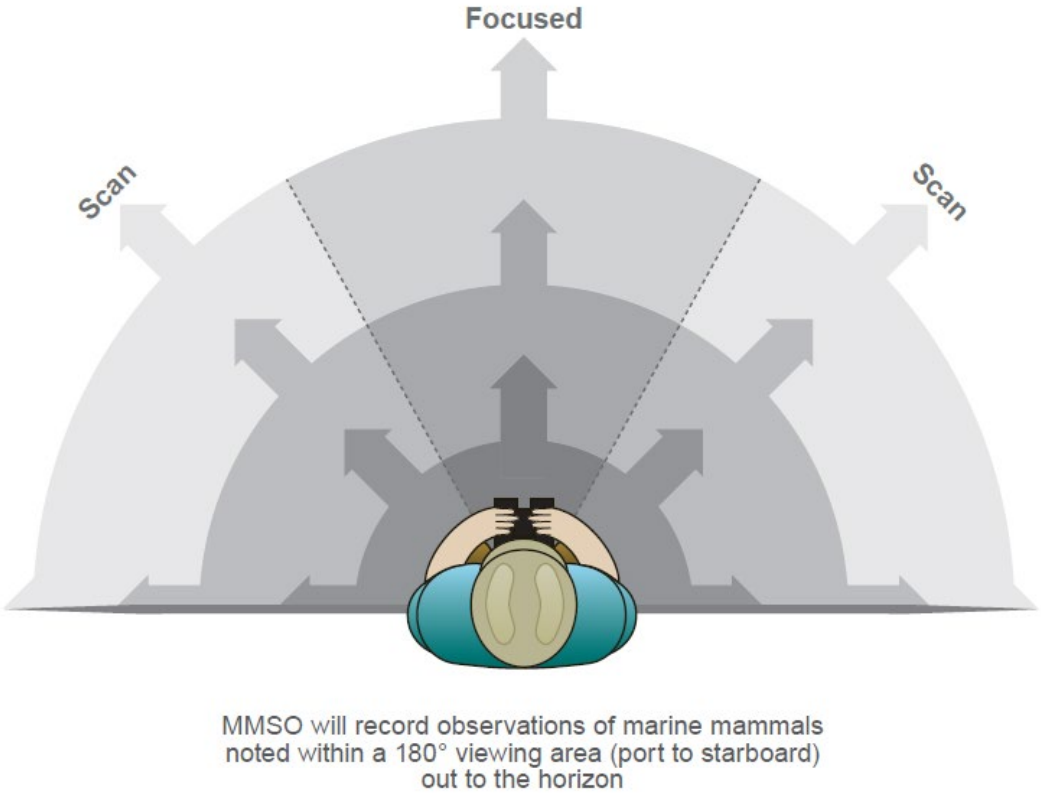


Figure 2.4-2: Illustration of MMSO Position and Observation Field on a Vessel

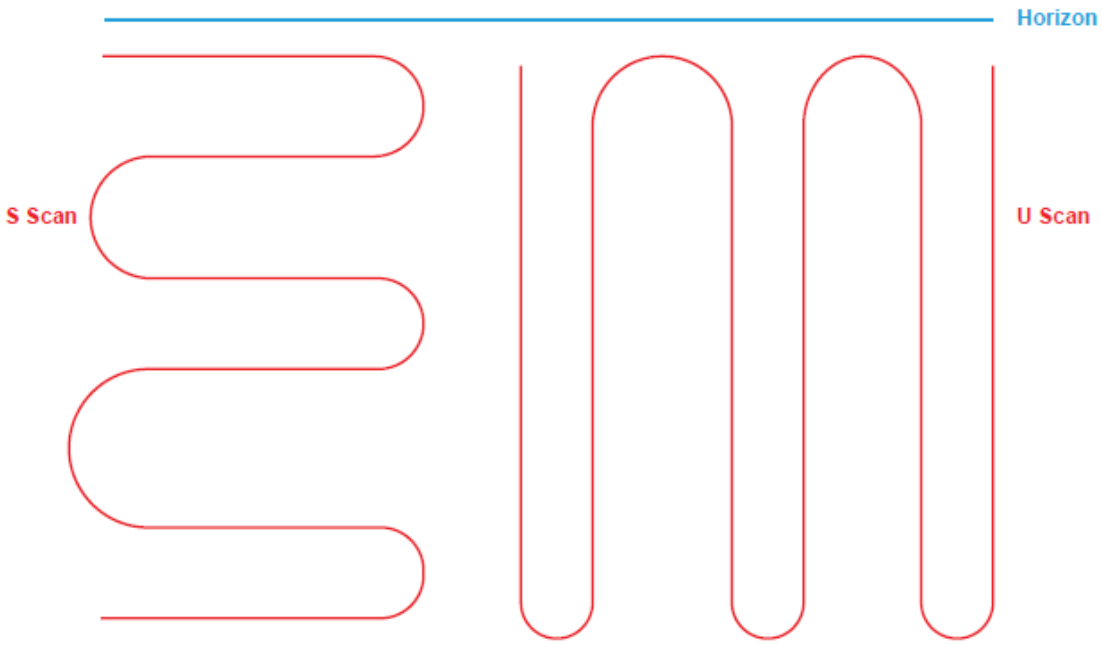
2.4.3 Scan Routine

1. How to Scan for Marine Mammals

- Scan the water from the vessel out to the horizon with the naked eye and use binoculars only to focus on possible sightings.
- Scans should be made from the middle of the vessel and cover the scan area shown in Figure 2.4-2 with a focus on the water ahead and to the side to the moving vessel (e.g., focused scan area in Figure 2.4-2).
- Perform S and U scans (Figure 2.4-3) of the observation field about every 20 seconds looking for whale cues (e.g., blow, back surfacing). The most important aspect of marine mammal observing is to constantly scan the observation field to capture animals that could be located in the peripheral view for brief moments (e.g., surfacing).
- If a whale or pinniped (seal or walrus) is observed, record the sighting on the *Marine Mammal Sightings Form*, as per instructions in Step 2 below.
- Surveys are prioritized when the vessel is moving; however, if the vessel is stationary (e.g., anchored) for a day or portion of a day, then a marine mammal survey will be required while anchored. If this is required, scans should be conducted over the entire scan area in a uniform fashion.

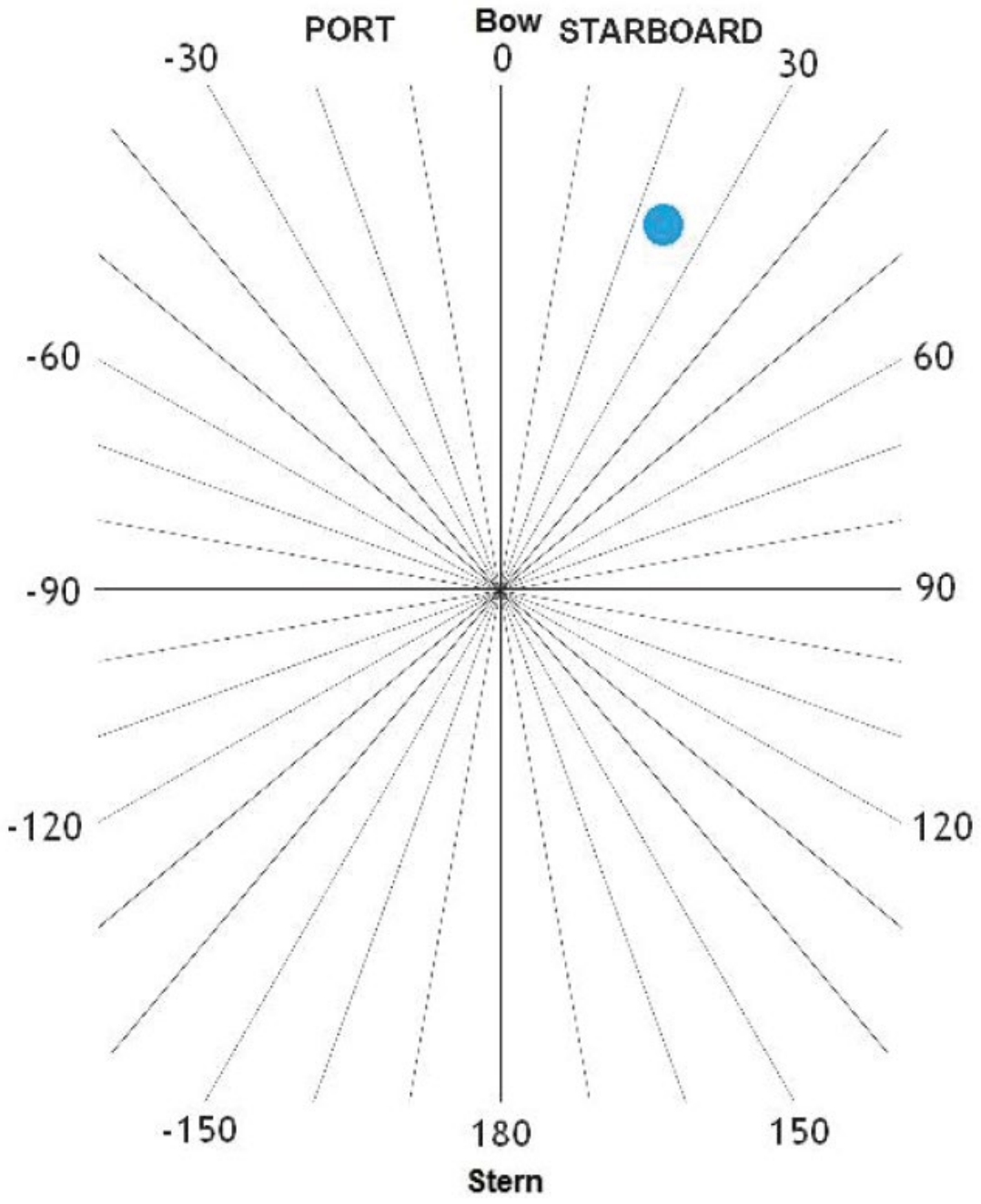
2. What to Do When a Marine Mammal is Observed

- Marine mammals observed during the dedicated marine mammal observational periods will be recorded on the *Marine Mammal Sightings Form*, including:
  - GPS location;
  - Distance to animal from vessel;
  - Angle to animal (Figure 2.4-4 shows how an angle to a marine mammal from the vessel should be estimated);
  - Number of marine mammal individuals;
  - Unknown species – if a species is unknown or if a blow is the only detection of the animal observed, then mark the sighting as unknown or record the general species group (e.g., whale, seal, walrus, polar bear), and provide a description of what was seen (e.g., colour of animal, how many were observed, behaviour, dorsal fin present or absent, etc.); and
  - Behaviour (e.g., travelling, feeding, other).
- Marine mammals in large groups that are close together should be marked as a single sighting.
- Sightings of pinnipeds (seals, walrus) hauled-out on land or of a polar bear on land will be recorded with a description in the “Notes” section indicating the animal(s) were observed on land.
- If a marine mammal is counted twice or more in the sightings record, then a note of a re-sighting should be marked.
- When possible, take photographs of marine mammal sightings and record the photo name/number alongside sightings records. These photos must be provided to Agnico Eagle along with the completed datasheets.
- If no marine mammals are observed during a survey period, then the top sections of the *Marine Mammal Sightings Form* must still be completed (including “General Information”, “Vessel Information”, and “Environmental Information”) with “No animals observed” entered into the “Notes” section.
- If a marine mammal sighting is close to the vessel and requires mitigation measures, or if a ship strike occurs, refer to Section 3 of this SOP and complete the *MMSO Incident Report Form* (Attachment D);
- Ensure no cell on the *Marine Mammal Sightings Form* is left blank.



Source: Agnico Eagle 2020.

Figure 2.4-3: Illustration Showing How to Conduct S & U Scanning Techniques



Note: Example shows angle to the animal (blue dot) is approximately 22°.

Source: Agnico Eagle 2020.

Figure 2.4-4: How to Determine Angle to Marine Mammal

2.5 Incidental Marine Mammal Sightings – "Off Effort"

During sailing from Hudson Strait to Helicopter Island/Rankin Inlet, the ship's crew is required to keep watch for marine mammals along the shipping route. This is not part of the MMSO dedicated surveys. Whenever a marine mammal is observed outside of the dedicated survey time, this is called an incidental sighting, or "off-effort". These sightings are recorded on the *Incidental Marine Wildlife Sightings Form* (Attachment E) and provided to Agnico Eagle for reporting. This includes all sightings of whales, seals, walruses, polar bears, and hauled-out animals.

If an incidental sighting is close to the vessel and requires mitigation measures, or if a ship strike occurs, refer to Section 3 of this SOP and complete the *MMSO Incident Report Form* (Attachment D).

3. MITIGATION AND REPORTING

In the event bridge crew observe marine mammals within 100 m of the vessel for Meliadine, and 500 m of the vessel for Meadowbank, refer to the Marine Shipping Mitigation Summary Booklet for recommended responses (e.g., slowing vessel, change direction). Management responses will be documented on the *Marine Mammal Sightings Form* for that observation. In addition, if a ship strike occurred or other incident (e.g., animal appears affected by the vessel), the MMSO must also fill in the *MMSO Incident Report Form* (Attachment D). Mitigation measures are also summarized in Attachment B.

If bridge crew determine a ship strike of a marine mammal has occurred, complete the *Marine Mammal Sightings Form* and indicate that the observation was the result of a ship strike. If the ship strike is a marine mammal the ship's captain is to report the strike to Agnico Eagle (contact listed at the top of this SOP) as soon as practical and within 24 hours.

In addition, as per *Marine Mammal Regulations* s.39, the captain must also report a strike to the DFO minister, including the following information:

- the date, time and location of the incident;
- the species of marine mammal involved in the incident;
- the circumstances of the incident;
- the size and type of vehicle and, if applicable, the type of fishing gear involved in the incident;
- the weather and sea conditions at the time of the incident;
- the observed state of the marine mammal after the incident; and
- the direction of travel of the marine mammal after the incident, to the extent that it can be determined.

DFO Contact Information:

- Central and Arctic, Nunavut – Iqaluit: 1-867-979-8000.

4. END OF TRIP REPORTING REQUIREMENTS

The following information will be submitted to the Agnico Eagle Environment Team (contact information provided at the top of this SOP) after each shipping trip for collation into a database:

1. Spatial file of the shipping route;
2. Completed *Marine Mammal Sightings Forms*;
3. Completed *MMSO Incident Report Forms* (if required); and
4. Photographs taken of sightings.

5. RECOMMENDED GUIDES

Reeves et al. 2002. *National Audubon Society's Guide to marine Mammals of the World.*

Additional Recommended Training/Practice*: http://www.dfo-mpo.gc.ca/species-especes/mammals-mammiferes/identification-guide/index-eng.html*.

ATTACHMENT A MARINE MAMMAL SIGHTINGS FORM

Marine Mammal Sightings Form (circle options that are *italicized* as appropriate)

General Information					
Date (DD/MMM/YYYY)		**Observer Name**		**Height of Eye (m)**	
Vessel Information					
Company/Agency		**Vessel Type**		**Vessel Heading (compass)**	
Vessel Name		**Vessel Activity**	*Moving* *Stationary*	**Vessel Speed (kt)**	
Environmental Information					
Weather	*Clear* *Partly Cloudy* *100% Cloud* *Fog* *Rain* *Snow*			**Sea State (0-9)**	
Beaufort Wind Force	*Calm* *Light Wind* *Strong Wind* *Gale Force Wind* *Stormy*			**Wave Height (m)**	
Wind Direction (deg.)		**Glare Conditions**	*None* *Slight Grey* *Bright*	**Visibility (km)**	

Survey Information							
Transect Start	**Local Time (24 hr)**		**Latitude (DD)**			**Longitude (DD)**	
Transect End	**Local Time (24 hr)**		**Latitude (DD)**			**Longitude (DD)**	
Observer Location	***Outdoors***	***Indoors***	**Observation Side**	***Starboard***	***Port***	***Bow***	
Notes							

Marine Mammal Sighting Information

Time of Sighting	Distance to Sighting (m)	Angle to Sighting (deg.)	Sighting Coordinates			Species	Count	Age (Adult/Young)	Sex (M/F/UNK)	Re-Sighting (Y/N)	Behaviour (Travel, Feeding, Other)	Mitigation Required?	Photo Number	Comments/Notes
			WPT	Latitude (DD)	Longitude (DD)									

ATTACHMENT B MARINE SHIPPING MITIGATION SUMMARY

General Guidance on the Water

Vessels maintain > 500 meters from aggregations of seabirds and marine mammals on the water*



Whales Always Have Right-of-Way

Vessel Operation: Maintain straight course, constant speed, avoid erratic behavior

As per **Marine Mammal Regulations s.7(3)**, maintain a minimum of 100 m from marine mammals at all times

What to do if a Marine Mammal Approaches the Vessel

Option 1

Reduce its speed and, if possible, cautiously move away from the animal

Option 2

if it is not possible for the ship to move away from or detour around a stationary marine mammal or group of marine mammals, the ship will reduce its speed and wait until the animal(s) move to the side and remain at least 100 m (Meliadine) or 500 m (Meadowbank)

Option 3

If animals appear to be trapped or disturbed by ship movements, the ship will mitigate disturbance (e.g., stoppage of movement) until the animal(s) has moved away

*** The two projects have slightly different guidance on setbacks:**
Meadowbank – Maintain 500 m away from feeding marine mammals and aggregations of seabirds and marine mammals
Meliadine – Maintain 300 m from feeding marine mammals.
Meliadine – Maintain 100 m away at all times.

ATTACHMENT C MARINE MAMMAL ID GUIDES

COMMON WHALE ID GUIDE

Narwhal

Size: 4 - 5 m

Body: Small head, stocky body, short/round flippers, tusk

Dorsal Fin: No

Colour: Mottled black and white, grey or brownish





Beluga

Size: 4 - 5 m

Body: Stout body, small head, short, broad paddle-shaped flippers

Dorsal Fin: No

Colour: Adults white, calves brown/grey





Bowhead Whale

Size: up to 19 m

Body: Large and rotund

Dorsal Fin: No

Colour: Black/brown, white lower jaw

Blow: Bushy V-shaped

Fluke: Shows fluke when diving





Fin Whale

Size: up to 23m

Body: Streamlined and long

Dorsal Fin: hooked

Colour: Grey body, white lower jaw right-side only

Blow: Tall and straight

Fluke: Rarely shows fluke





Orca/ Killer Whale

Size: 7-9 m

Body: Long rounded body

Dorsal Fin: Tall dorsal fin

Colour: Black-and-white, saddle patch (grey area) behind dorsal fin, white underside





COMMON PINNIPED ID GUIDE

Walrus

Size: 2.5 - 3m

Body: large, blubbery, long tusks

Head: Large thick neck, dark mouth with whiskers

Colour: Dark brown





Harbour Seal

Size: 2m

Body: Medium size, spindle shaped body

Head: like dog, heart-shaped snout

Colour: Blue-grey with dark spots/speckles





Hooded Seal

Size: 2.5 m

Body: Large, robust

Head: Broad head short narrow snout, males of “hood” they inflate

Colour: Black head, silver/grey fur, dark patches





Harp Seal

Size: 1.5 - 2 m

Body: Medium size, robust

Head: Small head, pointy snout

Colour: Light grey, harp-shaped black patch on back, black face





Bearded Seal

Size: 2 - 2.5 m

Body: Large, robust

Head: Small head, short snout, long whiskers

Colour: Dark brown/grey with dark rings/spots





ATTACHMENT D MMSO INCIDENT REPORT FORM

AGNICO EAGLE

Marine Mammals and Seabird Observer (MMSO) Incident Report

Project Information			
Client: Agnico Eagle		**Date:**	
Project Name (circle one): *Meadowbank* *Meliadine*		**General Location:**	
Latitude (DD):		**Longitude (DD):**	
Vessel Contractor Information			
Vessel Contractor Name:		**Site Supervisor or Captain:**	
Vessel Name/Type:		**MMSO Name:**	
General Weather Conditions (throughout the day):	**Wind (knots)**:		
	Sea State:		
	Swell Height (m):		
	Temperature (°C):		
	Notes:		
Time Start/Time End MMSO Duties (HH:MM):	**Start:**	**End:**	

Record of Vessel-Animal Collisions/Interactions in Water

Species	**Number of Individuals**	**Time (HH:MM)**	**Location**		**Visibility (m)/ Sea State**	**Comments**
			Latitude (DD)	**Longitude (DD)**		

Record of Bird on Deck

Species	**Number of Individuals**	**State of Bird (injured, stranded, or dead)**	**Time (HH:MM)**	**Visibility (m)/ Sea State**	**Comments**

Mitigation Log

Time (UTC; HH:MM)	**Was Mitigation Implemented?**	**Location**		**Rationale for Implementation**
		Latitude (DD)	**Longitude (DD)**	

ATTACHMENT E INCIDENTAL MARINE WILDLIFE SIGHTINGS FORM

AGNICO EAGLE

Incidental Marine Wildlife Sightings Form

(1 form per observation; PLEASE PRINT; circle options provided in *italics* as appropriate)

General Information			
Vessel Name		**Date**	
Observer Name		**Local Time (24 hr)**	
Vessel Information			
Ship Speed (kt)		**Ship Heading (compass)**	
Latitude (decimal degrees)		**Longitude (decimal degrees)**	
Environmental Information			
Beaufort Wind Force		**Visibility (km)**	
Wind Direction			
Observation Information			
Species[1]		**ID Reliability**	*Positive / Probable / Maybe*
Distance from vessel when first seen (m)		**How close did the animal get to the vessel (m)?**	
Number of Individuals	*Best Estimate:* **OR** *Maximum/Minimum:*		
Behaviour	**Mammals:** *Swimming* *Diving* *Feeding*		
	Dead *Resting on land* *Resting on ice* *Other:*		
	Birds: *Flying* *Feeding* *Resting on ocean surface*		
	Resting on land *Escape Ship - Flying* *Escape Ship - Diving* *Dead*		
	Other (describe):		
Other notes (e.g., physical descriptions, distinctive behaviours, drawing)		**Position & Travel Relative to Ship [draw arrow]**	 **OR** *Variable Travel Directions*
Was this observation the result of a SHIP STRIKE?		*Yes* *No* *If yes, fill out "MMSO Incident Report"*	
Mitigation Action Taken			
	Yes *No*		
If yes, describe mitigation actions (e.g., change in course or speed) and result (e.g., maintained a buffer of x metres from wildlife)	**ACTION:** **RESULT:**		

[1] *Refer to list of species in the ID Guides*

APPENDIX C SEABIRD MONITORING STANDARD OPERATING PROCEDURE

Meadowbank and Meliadine Projects

Seabird Monitoring

STANDARD OPERATING PROCEDURE SHIP-02

June 3, 2025 Version C.4

Scope of Work: This SOP provides guidance for seabird monitoring procedures for shipping companies contracted by Agnico Eagle. Monitoring is conducted to avoid potential effects to seabirds. The shipping companies are required to record seabird observations based on the protocols outlined in this SOP along the shipping route between Hudson Strait and Helicopter Island/Rankin Inlet.

Contacts: **Agnico Eagle**
mmso@agnicoeagle.com

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ATTACHMENT A SEABIRD SIGHTINGS FORM
ATTACHMENT B MMSO INCIDENT REPORT FORM
ATTACHMENT C COMMON SEABIRD ID GUIDE
ATTACHMENT D INCIDENTAL MARINE WILDLIFE SIGHTINGS FORM

1. PROGRAM DESCRIPTION AND OBJECTIVES

A Seabird Monitoring Standard Operating Procedure (SOP) has been developed to guide onboard monitoring for seabirds. This SOP satisfies the Meadowbank Mine NIRB Project Certificate No. 008 Condition 40 and the Meliadine NIRB Project Certificate No.006 Condition 82.

The purpose of this SOP is to identify the monitoring and mitigation procedures for shipping companies contracted by Agnico Eagle to avoid potential effects to seabirds, as per the Marine Mammal and Seabird Monitoring (MMSO) program. This document outlines the following:

- How to avoid or adjust shipping speed near sensitive wildlife habitat along shipping routes;
- How to record observations of seabirds;
- Potential mitigation if large groups of seabirds are observed;
- How to record and report mitigation measures taken, if applicable; and
- How to record and report ship strikes of seabirds, if they occur.

Agnico Eagle will update this SOP as necessary, in response to feedback from Environment and Climate Change Canada (ECCC) or in response to data collected in the field or scientific advances.

2. SEABIRD MONITORING

2.1 Overview

The following protocol will be implemented during the Marine Mammal and Seabird Observer (MMSO) program:

- A minimum of one assigned MMSO will be present on-board vessels during all transits;
- The MMSO will conduct seabird observations along the shipping route from the bridge during daylight hours and record sightings into the *Seabird Sightings Form* (Attachment A); and
- The shipping contractor will initiate mitigation measures designed to minimize Project impacts on seabirds, as identified in the Marine Shipping Mitigation Summary Booklet (e.g., remain 500 m from bird colonies on land, remain 2 km from Marble Island, remain 500 m from large aggregations of seabirds on water).

2.2 Training

The captain is responsible to assign an MMSO to the bridge, and to ensure that the MMSO has been trained to identify marine mammals and seabirds.

Training for the assigned MMSOs includes:

- The pre-trip training live webinar, or review of the recorded webinar prior to beginning the MMSO duties. The recorded webinar will also be available on the ship for review as needed;
- Review the Seabird Monitoring SOP (this document), the Marine Shipping Mitigation Summary Booklet, and the Marine Mammal Monitoring SOP (SOP #SHIP-01);
- Review how to fill out the *Seabird Sightings Form* (Attachment A) and the *Marine Mammal and Seabird Observer (MMSO) Incident Report Form* (Attachment B);
- Review seabird identification, including common species provided in Attachment C; and
- Know how to estimate distances to animals observed.

2.3 Equipment Checklist

Bridge staff participating in wildlife monitoring will require the following:

1. This SOP;
2. *Seabird Sightings Form* (Attachment A);
3. Seabird ID Guide (Attachment C);
4. *MMSO Incident Report Form* (Attachment B);
5. Binoculars;
6. GPS (only required if unable to get GPS coordinates from the ship); and
7. Clipboard and pencil.

2.4 Seabird Monitoring Methods

Seabird surveys are required along the shipping route from Hudson Strait to Helicopter Island/Rankin Inlet, and during the return journey from Helicopter Island/Rankin Inlet through Hudson Strait (Figure 2.4-1). Surveys must be conducted a minimum of once daily, but three times per day is preferred.

General environmental and seabird sightings information is to be collected and recorded by filling out the *Seabird Sightings Form* (Attachment A). The protocol outlined in this section are best conducted along a transect line, therefore, it is best to start a seabird observation period when the vessel is and will be moving in a straight line for an extended period of time.

2.4.1 Observation Period

- Seabird monitoring is required from Hudson Strait to Helicopter Island (Meadowbank) or Rankin Inlet (Meliadine), along the shipping route presented in Figure 2.4-1.
- If possible, attempt to prioritize conducting surveys around Coats Island, when passing near the shore entering Hudson Bay, and/or approaching Helicopter Island/Rankin Inlet.
- If the vessel is moving (preferred), use methods in Section 2.4.3; if vessel is not moving (stationary), use the methods in Section 2.4.4 below.
- For moving vessel:
  - Conduct three surveys per day: one morning, one afternoon, and one evening.
  - Each seabird survey period will be conducted during **six consecutive five-minute periods** (total of 30 minutes each session). Take a short break at the end of each five-minute period to record the vessel's position and any conditions (ship speed, direction, weather, etc.) that may have changed since the last five-minute survey period.
  - Each five-minute survey should be dedicated to surveying for seabirds only and should be completed regardless if birds are present or not.
- For each observation period, document information on the ship's location, travelling speed and direction, environmental conditions on a *Seabird Sightings Form* (one form per observation period).

2.4.2 Observer Position

- Observations should be done from a high location on the vessel, when possible, at a location as close to the port or starboard edge of the platform as possible to increase the detection of seabirds.
- All surveys should be conducted at the same location each time.

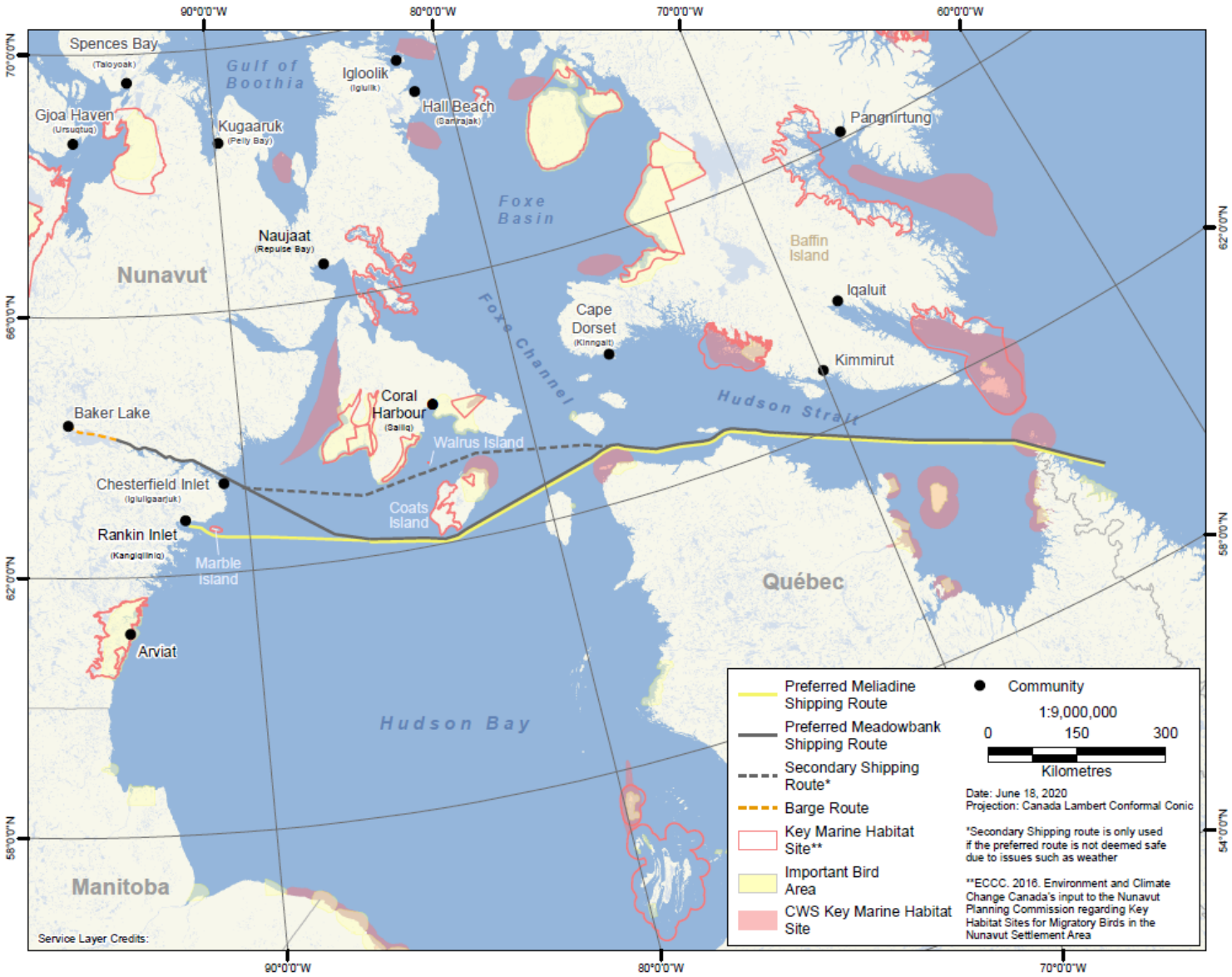


Figure 2.4-1: Shipping Routes During the Open Water Season

2.4.3 Survey Methods – Moving Vessel

- Conduct 3 dedicated surveys per day: one morning, one afternoon, and one evening.
- Each survey lasts 30 min, made up of ***6 separate 5-min observation periods***, beginning in Hudson Strait (see Figure 2.4-2).
- Look forward from the side of the vessel, scanning at a 90° angle from either the port or starboard side depending where the observer is located.
- The transect width within which seabirds are recorded is 300 m from the side of the vessel (see Figure 2.4-3).
- Begin all five-minute surveys by conducting a snapshot survey of birds in flight – i.e., an initial count of all birds seen flying (Section 2.4.3.1).
- Scan ahead regularly (e.g., every minute) to spot birds that may dive as the vessel approaches.
- All birds observed within the 300 m transect, whether flying or on the water, or on sea ice or land, are recorded and are considered in-transect sightings. (Figure 2.4-3).
- Use Figure 2.4-3 (A to E, or T) to record the distance to each bird or flock of birds (to the center of the flock). Ensure to record birds/group of birds only once.
- Birds observed outside the 300 m transect are also recorded if this does not affect observations within the 300 m transect. Distance categories “E” and “T” in Figure 2.4-3 are both considered not in transect.
- Binoculars and spotting scopes can be used to confirm species identification and other details as necessary.
- When a survey period cannot be done because of poor visibility (i.e., when the entire width of the 300 m transect is not visible), the extent of visibility should be noted on the *Seabird Sightings Form*.
- If no birds are observed during a five-minute survey period, “no seabirds observed” must be noted in the “Notes” on the *Seabird Sightings Form*.
- For each observation period crew will document information on the ship’s location, travelling speed and direction, environmental conditions and the details of the wildlife observation (species, behaviour, distance from ship, etc.) on a *Seabird Sightings Form*.
- Attachment C (Common Seabird ID Guide) summarizes general species groups and individual species that are most likely to be observed and is meant to provide a cheat-sheet for only the most common species – other species may occur and Bird ID book can be used. Note that recording a general species group or “unknown species” with a description of the bird in the comments column is better than an incorrect species identification.
- When possible, take photographs of seabird sightings and record the photo name/number alongside sightings records. These photos must be provided to Agnico Eagle along with the completed datasheets
- Ensure no cell on the *Seabird Sightings Form* is left blank.

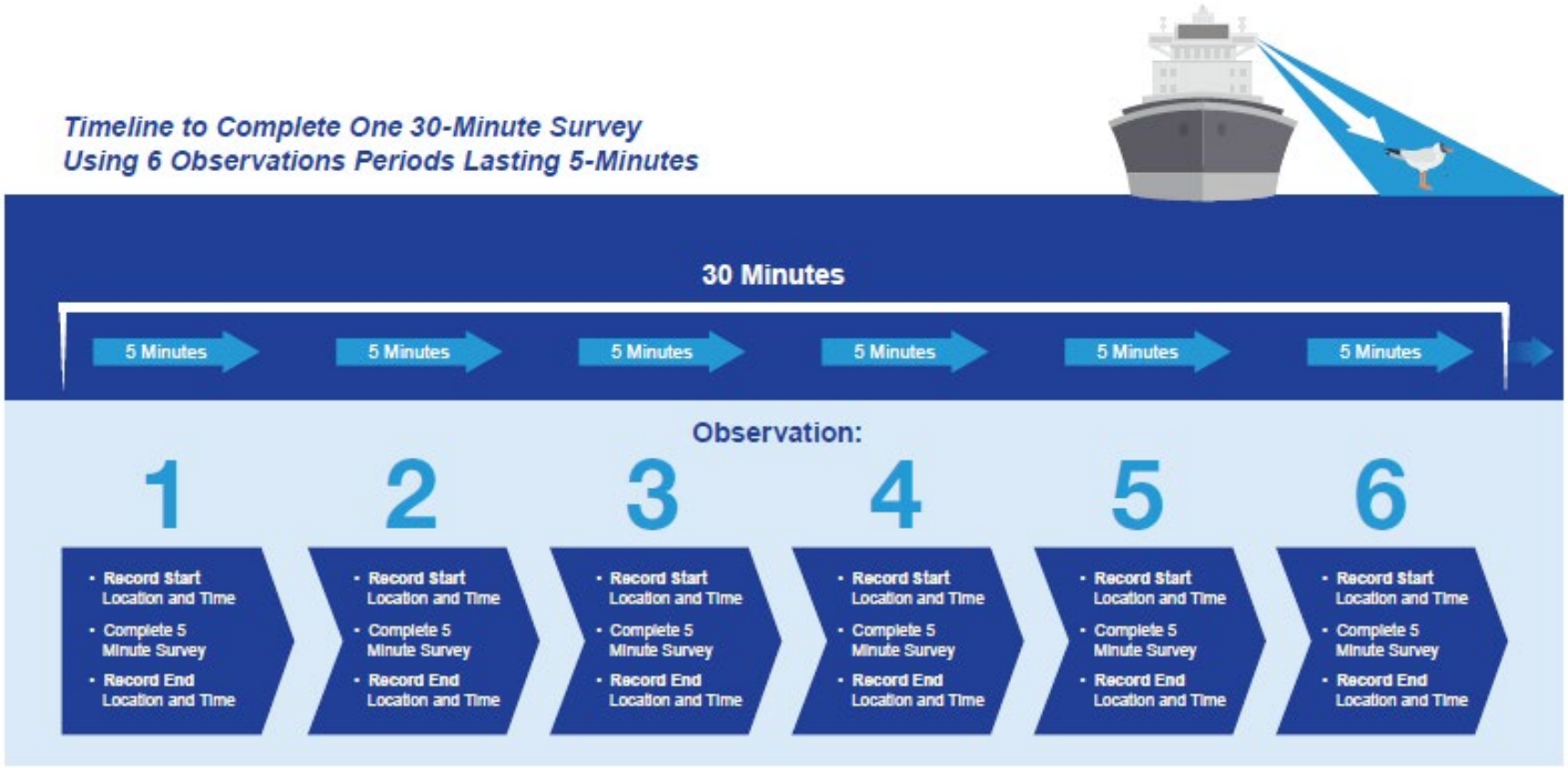
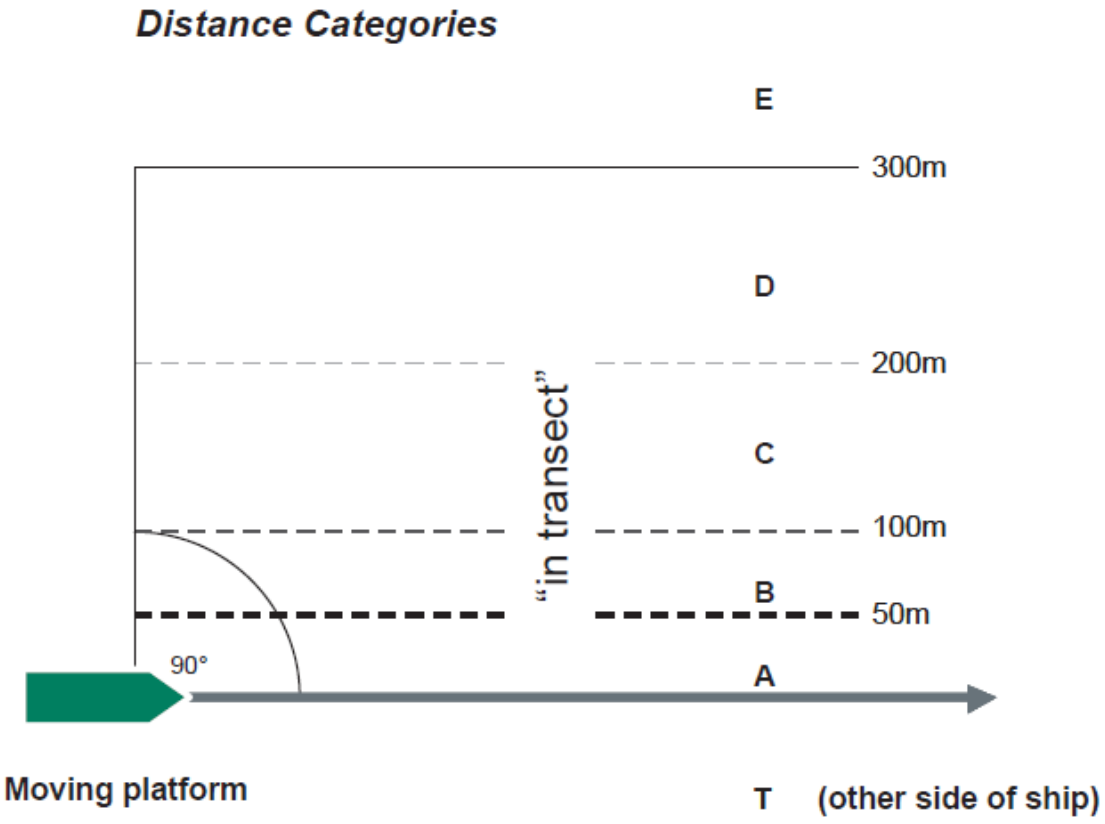


Figure 2.4-2: Seabird Survey Methodology using Six Consecutive 5-Minute Observation Periods



Extracted from Gjerdrum et al. 2012

Figure 2.4-3: Seabird Observations using a 90° Scan up to 300 m from the Vessel

2.4.3.1 Tips for Recording Birds

If the species of seabird cannot be identified, please ensure to indicate the species group (e.g., gull, puffin-like seabird) as described in the Common Seabird ID Guide (Attachment C), and provide a description of the bird in the comments column of the *Seabird Sightings Form*.

Birds on the Water

- All birds observed on the water are recorded throughout the five-minute survey period. If birds in the transect fly off the surface of the water as the vessel approaches, use binoculars to help count them, and record these birds as being on the water. Ensure not to record twice as flying birds during a snapshot survey.

Large Groups of Birds

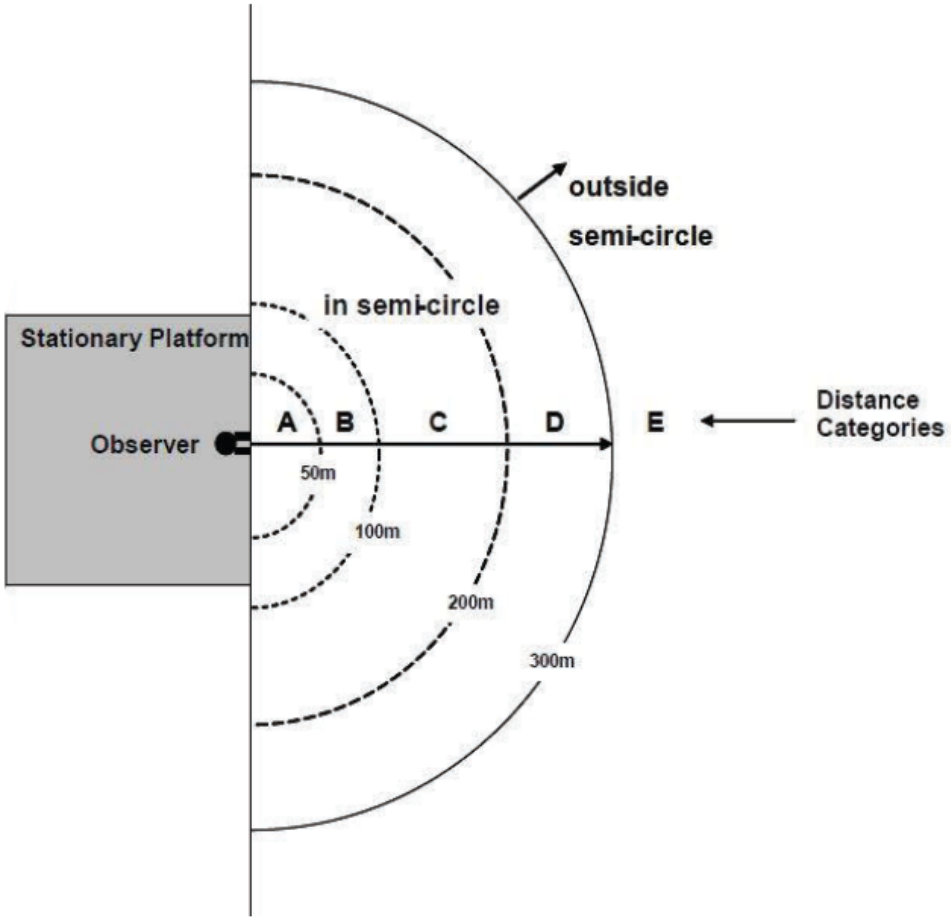
- If it is not practical to estimate distance to each bird or flock of birds, record whether the birds were observed in or out of transect. If it is not practical to note which birds are on the water and which are in flight use the following guidelines:
  - If the majority of the birds are in the air, they can be recorded as flying.
  - If birds appear first on the water and then fly away as the vessel approached, or they continuously move between the water and air, recorded them being as on the water.

Birds that Follow the Vessel

- To avoid double counting birds, once a bird is recorded in-flight it is not subsequently recorded again if it follows the ship.

2.4.4 Survey Methods – Stationary Vessel

- If the vessel is stationary (e.g., anchored) for a day or portion of a day, then a seabird survey will be required every hour while anchored. A minimum of one survey per day should be conducted.
- Surveys when the vessel is stationary are conducted from the bow (front) of the vessel.
- The length of each scan will depend on the number of birds present at the time of the scan (e.g., it may only last a few seconds if there are no birds present).
- Surveys while the vessel is stationary (e.g., on standby or anchored) are done using counts of birds within a 300 m “semi-circle” area from the vessel, scanning through a 180° arc (Figure 2.4-4).
- All seabirds on water and in flight that are observed within 300 m are recorded. If seabirds are visible beyond 300 m, they are recorded as outside of the 300 m semi-circle.
- The distance to seabirds (inside and outside the 300 m area) from the observer is estimated and recorded for all birds, using Figure 2.4-4 (A to E).
- Binoculars and spotting scopes can be used to confirm species identification and other details as necessary.
- If no birds are observed during the survey, “no seabirds observed” must be noted on the *Seabird Sightings Form*.



Source: extracted from Gjerdrum et al. 2012

Figure 2.4-4: Seabird Survey Using an 180º Scan from the Bow, Surveying an Area 300 m from a Stationary Observer

2.5 Incidental Seabird Sightings – "Off Effort"

During sailing between Hudson Strait and Helicopter Island/Rankin Inlet, the ship's crew is required to keep watch for groups of seabirds along the shipping route. This is in addition to the MMSO dedicated surveys. Whenever a group of seabirds is observed outside of the dedicated survey time, this is called an incidental sighting, or "off-effort" sighting. These sightings are recorded on the *Incidental Marine Wildlife Sightings Form* (Attachment D) and provided to Agnico Eagle for reporting. This includes sightings of large groups of seabirds on water, colonies of seabirds on land, or large flocks of seabirds flying.

If an incidental sighting is close to the vessel and requires mitigation measures, or if a ship strike occurs, refer to Section 3 of this SOP and complete the *MMSO Incident Report Form* (Attachment B).

3. MITIGATION AND COLLISION REPORTING

In the event bridge crew observe large groups of seabirds requiring mitigation or management measures, recommended responses are outlined in Table 3-1. Mitigation responses will be documented on the *Seabird Sightings Form* in the "Comments" column for that observation.

Table 3-1: Recommended Shipping Mitigation Responses for Seabirds

Observation	Management Response
Seabirds	
Marble Island	2 km
Colonies and aggregations of seabirds (on water or land) during Project shipping transiting through Hudson Strait, Hudson Bay, and Chesterfield Inlet	500 m setback

If bridge crew determine a ship strike of a group of seabirds has occurred, they will complete the *MMSO Incident Report Form* (Attachment B), and indicate on the *Seabird Sightings Form* that the observation was the result of a ship strike. In the event of a suspected ship strike with birds on the water, the water will be scanned for any evidence of injured or deceased birds. In the event of a suspected ship strike with birds flying into the vessel, the MMSO will be tasked with immediately scanning the water and with undertaking a systematic walk-through to search the vessel deck for dead, stranded or injured birds.

In addition, as vessel strikes with marine birds often occur at night due to birds being attracted to vessel lights, the MMSO will also be tasked with undertaking opportunistic walk-throughs of the deck in the mornings. All birds found injured, stranded or dead on each vessel will be documented in accordance with the *Procedures for handling and documenting stranded birds encountered on infrastructure offshore Atlantic Canada* (ECCC-CWS 2017) on the *Incident Report Form* (Attachment B).

All records of bird collisions will be provided to Canadian Wildlife Service (CWS) on a weekly basis, as vessel communications allow (i.e., as internet connections allow). Immediate reporting will be required in the event that multiple bird collisions occur (involving more than five individuals) and the incidents appear related (i.e., similar time period, location, and weather conditions). In this instance, the regional Environment and Climate Change Canada (ECCC) Wildlife Enforcement Officer (contact information provided below) will be contacted to provide advice on the implementation of adaptive management techniques to attempt to reduce the likelihood of collisions occurring in the future.

If a seabird and vessel collision occurs, contact:

- ECCC Wildlife Enforcement: ec.dalfnord-wednorth.ec@canada.ca

4. END OF TRIP REPORTING REQUIREMENTS

The following information will be submitted to the Agnico Eagle Environment Team (contact information provided at the top of this SOP) after each shipping trip for collation into a database:

1. Spatial file of the shipping route;
2. Completed *Seabird Sightings Form*s;
3. Completed *MMSO Incident Report Form* (if required); and
4. Photographs taken of sightings.

5. REFERENCES AND RECOMMENDED GUIDES

ECCC. 2016. *Environment and Climate Change Canada's input to the Nunavut Planning Commission regarding Key Habitat Sites for Migratory Birds in the Nunavut Settlement Area*. Revised May 2016. 140 pp.

Gjerdrum et al. 2012. *Eastern Canada Seabirds at Sea (ECSAS) Standardized Protocol for Pelagic Seabird Surveys from Moving and Stationary Platforms*.

Latour, P. B., J. Leger, J. E. Hines, M. L. Mallory, D. L. Mulders, H. G. Gilchrist, P. A. Smith, and D. L. Dickson. 2008. *Key Migratory Bird Terrestrial Habitat Sites in the Northwest Territories and Nunavut*. Canadian Wildlife Service Occasional Paper Number 114. Canadian Wildlife Service: Ottawa, ON.

Mallory, M. L. and A. J. Fontaine. 2004. *Key Marine Habitat Sites for Migratory Birds in Nunavut and the Northwest Territories*. Canadian Wildlife Service Occasional Paper Number 109. Canadian Wildlife Service: Ottawa, ON.

Sibley. 2016. *Field Guide to the Birds of Eastern North America: Second Edition.*

ATTACHMENT A SEABIRD SIGHTINGS FORM

AGNICO EAGLE

Seabird Sightings Form (circle options that are *italicized* as appropriate)

Survey Type (*circle one***):**	***Moving Vessel***		***Stationary Vessel***		
General Information					
Date (DD/MM/YYYY)		**Observer Name**		**Height of Eye (m)**	
Vessel Information					
Company/Agency		**Vessel Type**		**Vessel Heading**	
Vessel Name		**Vessel Activity**	*Moving* *Stationary*	**Vessel Speed (kt)**	
Environmental Information					
Weather	*Clear* *Partly Cloudy* *100% Cloud* *Fog* *Rain* *Snow*			**Sea State (0-9)**	
Beaufort Wind Force	*Calm* *Light Wind* *Strong Wind* *Gale Force Wind* *Stormy*			**Wave Height (m)**	
Wind Direction (Deg)		**Glare Conditions**	*None* *Slight* *Grey* *Bright*	**Visibility (km)**	
Survey Information					
Observer Location	*Outdoors* *Indoors*	**Observation Side**	*Starboard*	*Port*	*Bow*
Notes:					

5-min Survey #1 of 6 Start	**Local Time (24 hr)**		**Latitude (DD)**		**Longitude (DD)**	

Species	**Count**	**Observation Type (Fly or Water)**	**In Transect (Y/N)**	**Distance Zone (A,B,C,D,E)**	**Behaviour (escape flight, rafting, other)**	**Flight Direction (Deg)**	**Age (Adult/ Young)**	**Plumage (breeding/ non-breeding/molt)**	**Comments**

5-min Survey #1 of 6 End	**Local Time (24 hr)**		**Latitude (DD)**		**Longitude (DD)**	

5-min Survey #2 of 6 Start		Local Time (24 hr)			Latitude (DD)			Longitude (DD)	
Species	**Count**	**Observation Type (Fly or Water)**	**In Transect (Y/N)**	**Distance Zone (A,B,C,D,E)**	**Behaviour (escape flight, rafting, other)**	**Flight Direction (Deg)**	**Age (Adult/ Young)**	**Plumage (breeding/ non-breeding/molt)**	**Comments**
5-min Survey #2 of 6 End		Local Time (24 hr)			Latitude (DD)			Longitude (DD)	

5-min Survey #3 of 6 Start		Local Time (24 hr)			Latitude (DD)			Longitude (DD)	
Species	**Count**	**Observation Type (Fly or Water)**	**In Transect (Y/N)**	**Distance Zone (A,B,C,D,E)**	**Behaviour (escape flight, rafting, other)**	**Flight Direction (Deg)**	**Age (Adult/ Young)**	**Plumage (breeding/ non-breeding/molt)**	**Comments**
5-min Survey #3 of 6 End		Local Time (24 hr)			Latitude (DD)			Longitude (DD)	

5-min Survey #4 of 6 Start	Local Time (24 hr)		Latitude (DD)		Longitude (DD)	

Species	Count	Observation Type (Fly or Water)	In Transect (Y/N)	Distance Zone (A,B,C,D,E)	Behaviour (escape flight, rafting, other)	Flight Direction (Deg)	Age (Adult/ Young)	Plumage (breeding/ non-breeding/molt)	Comments

5-min Survey #4 of 6 End	Local Time (24 hr)		Latitude (DD)		Longitude (DD)	

5-min Survey #5 of 6 Start	Local Time (24 hr)		Latitude (DD)		Longitude (DD)	

Species	Count	Observation Type (Fly or Water)	In Transect (Y/N)	Distance Zone (A,B,C,D,E)	Behaviour (escape flight, rafting, other)	Flight Direction (Deg)	Age (Adult/ Young)	Plumage (breeding/ non-breeding/molt)	Comments

5-min Survey #5 of 6 End	Local Time (24 hr)		Latitude (DD)		Longitude (DD)	

5-min Survey #6 of 6 Start	Local Time (24 hr)		Latitude (DD)		Longitude (DD)	

Species	Count	Observation Type (Fly or Water)	In Transect (Y/N)	Distance Zone (A,B,C,D,E)	Behaviour (escape flight, rafting, other)	Flight Direction (Deg)	Age (Adult/ Young)	Plumage (breeding/ non-breeding/molt)	Comments

5-min Survey #6 of 6 End	Local Time (24 hr)		Latitude (DD)		Longitude (DD)	

ATTACHMENT B MMSO INCIDENT REPORT FORM

AGNICO EAGLE

Marine Mammals and Seabird Observer (MMSO) Incident Report

Project Information			
Client: Agnico Eagle		**Date:**	
Project Name (circle one): *Meadowbank* *Meliadine*		**General Location:**	
Latitude (DD):		**Longitude (DD):**	
Vessel Contractor Information			
Vessel Contractor Name:		**Site Supervisor or Captain:**	
Vessel Name/Type:		**MMSO Name:**	
General Weather Conditions (throughout the day):	**Wind (knots)**:		
	Sea State:		
	Swell Height (m):		
	Temperature (°C):		
	Notes:		
Time Start/Time End MMSO Duties (HH:MM):	**Start:**	**End:**	

Record of Vessel-Animal Collisions/Interactions in Water

Species	**Number of Individuals**	**Time (HH:MM)**	**Location**		**Visibility (m)/ Sea State**	**Comments**
			Latitude (DD)	**Longitude (DD)**		

Record of Bird on Deck

Species	**Number of Individuals**	**State of Bird (injured, stranded, or dead)**	**Time (HH:MM)**	**Visibility (m)/ Sea State**	**Comments**

Mitigation Log

Time (UTC; HH:MM)	**Was Mitigation Implemented?**	**Location**		**Rationale for Implementation**
		Latitude (DD)	**Longitude (DD)**	

ATTACHMENT C COMMON SEABIRD ID GUIDE

COMMON SEABIRD ID GUIDE

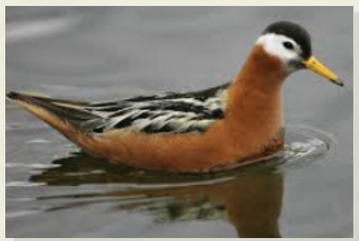
AGNICO EAGLE

Small Seabirds

Red Phalarope

Size: L 8.5” WS 17” WT 1.9 oz (55 g)

Body: Very small, shorebird-like seabird





Red-necked Phalarope

Size: L 7.75” WS 15” WT 1.2 oz (35 g)

Body: Very small, shorebird-like seabird





Puffin-like Seabirds

Atlantic Puffin

Size: L 12.5” WS 21” WT 13 oz (380 g)

Body: Small, stocky, bright bill, black and white plumage

DCs:
- Colourful bill
- Black band around neck while flying



Razorbill

Size: L 17” WS 26” WT 1.6 lbs

Body: Medium, long tail, black and white plumage

DCs:
- Large, thick bill
- Long- pointed tail
- Dark rump



Thick-billed Murre

Size: L 18” WS 28” WT 2.1 lbs

Body: Medium, stocky; black and white plumage

DCs:
- Short bill
- Pure white belly
- Larger head than Common



COMMON SEABIRD ID GUIDE

AGNICO EAGLE

Long-winged Seabirds

Northern Fulmar

Size: L 18” WS 42” WT 1.3 lbs

Body: Large, stocky and thick-necked





Gulls

Herring Gull

Size: L 25” WS 58” WT 2.5 lbs

Body: Large, white-headed

DCs:
- Medium grey back
- Black and white wing tips



Iceland Gull

Size: L 22” WS 548” WT 1.8 lbs

Body: Medium, white-headed

DCs:
- Light- great back
- No or less dark marks on wing tips



Glaucous Gull

Size: L 27” WS 60” WT 3.1 lbs

Body: Large, white-headed

DCs:
- Light- great back
- White wing tips



Black-legged Kittiwake

Size: L 17” WS 36” WT 14 oz (400g)

Body: Small, white-headed

DCs:
- Black legs
- Solid yellow bill
- Black tipped wings



Gull-like Seabirds

Long-tailed Jaeger

Size: L 15” WS 43” WT 11 oz (300 g)

Body: Medium, Slender gull-like seabird

DCs:
- Very long tail
- State grey back, dark cap
- No chest band



Parasitic Jaeger

Size: L 16.5” WS 46” WT 1 lb

Body: Medium, Slender gull-like seabird

DCs:
- Dark back and wings; dark cap
- Pale chest with weak dark band
- Longer tail



Pomarine Jaeger

Size: L 18.5” WS 52” WT 1.5 lbs

Body: Medium, heavy body, broad wings

DCs:
- Dark back and wings; dark head
- Pale chest with dark band



COMMON SEABIRD ID GUIDE

AGNICO EAGLE

Sea Ducks

Greater Scaup

Size: L 18” WS 28” WT 2.3 lbs

Body: Medium; black and white duck (male)



Common Eider

Size: L 24” WS 38” WT 4.7 lbs

Body: Large; wedge-shaped head, mainly white face, neck and back (male)



Long-tailed Duck

Size: L 16.5” WS 28” WT 1.6 lbs

Body: Small; round body, dark wings, distinctive patterns and long tail (male)





Sea Ducks/Seabirds

Surf Scoter

Size: L 20” WS 30” WT 2.1 lbs

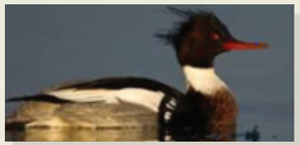
Body: Medium; dark- bodied sea duck; large multicoloured bill (male)

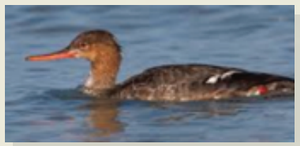


Red-breasted Merganser

Size: L 25” WS 34” WT 2.3 lbs

Body: Large; thin-billed, black, tufted- head, white neck (male)





Black Guillemot

Size: L 13” WS 21”
WT 15 oz (430g)

Body: Small; chunky, black body, white wings



Loons

Common Loon

Size: L 32” WS 46”
WT 9 lbs

Body: Very large;
thick body, boldly patterned back and neck; heavy bill

DCs:
- Black head and bill
- Black and white pattern on back
- White chest and belly



Red-throated Loon

Size: L 25” WS 38”
WT 3.1 lbs

Body: Large; smaller, slender body, short neck compared to Common

DCs:
- Grey head and back
- Rust coloured throat
- White chest and belly



ATTACHMENT D INCIDENTAL MARINE WILDLIFE SIGHTINGS FORM

AGNICO EAGLE

Incidental Marine Wildlife Sightings Form

(1 form per observation; PLEASE PRINT; circle options provided in *italics* as appropriate)

General Information			
Vessel Name		**Date**	
Observer Name		**Local Time (24 hr)**	
Vessel Information			
Ship Speed (kt)		**Ship Heading (compass)**	
Latitude (decimal degrees)		**Longitude (decimal degrees)**	
Environmental Information			
Beaufort Wind Force		**Visibility (km)**	
Wind Direction			
Observation Information			
Species[1]		**ID Reliability**	*Positive / Probable / Maybe*
Distance from vessel when first seen (m)		**How close did the animal get to the vessel (m)?**	
Number of Individuals	*Best Estimate:* **OR** *Maximum/Minimum:*		
Behaviour	**Mammals:** *Swimming* *Diving* *Feeding*		
	Dead *Resting on land* *Resting on ice* *Other:*		
	Birds: *Flying* *Feeding* *Resting on ocean surface*		
	Resting on land *Escape Ship - Flying* *Escape Ship - Diving* *Dead*		
	Other (describe):		
Other notes (e.g., physical descriptions, distinctive behaviours, drawing)		**Position & Travel Relative to Ship [draw arrow]**	 **OR** *Variable Travel Directions*
Was this observation the result of a SHIP STRIKE?		*Yes* *No* *If yes, fill out "MMSO Incident Report"*	
Mitigation Action Taken			
	Yes *No*		
If yes, describe mitigation actions (e.g., change in course or speed) and result (e.g., maintained a buffer of x metres from wildlife)	**ACTION:** **RESULT:**		

[1] *Refer to list of species in the ID Guides*

APPENDIX D MARINE MAMMAL SURVEY DATA AND SIGHTINGS INFORMATION, 2025

APPENDIX D: MARINE MAMMAL SURVEY DATA AND SIGHTINGS INFORMATION, 2025

Vessel Name	Survey Target	Date	Survey Type	Temporal Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Visibility (km)	Weather Notes	Glare Condition Notes	Sea State Code	Wave Height (m)	Wind Speed (Beaufort Scale)	True Wind Direction (deg)	Species	Count
NORDIKA DESGAGNÉS	Mammals	6/25/2025	Transect	01:00:00	61.484	-61.4845	61.4845	-62.06766667	10	Cloudy	None	Rippled	0.3	Light Wind	0	Unknown Dolphin	20
NORDIKA DESGAGNÉS	Mammals	6/26/2025	Stationary	01:30:00	61.00033333	-64.61766667	61.01666667	-64.667	15	Fog	None	Rippled	0.5	Light Wind	280	No Observations	
NORDIKA DESGAGNÉS	Mammals	6/27/2025	Transect	01:30:00	61.48383333	-68.96766667	61.6845	-69.501	12	Clear or Partly Cloudy	None	Wavelets	0.8	Light Wind	300	No Observations	
NORDIKA DESGAGNÉS	Mammals	6/28/2025	Transect	02:00:00	62.884	-78.38433333	62.76783333	-79.08333333	0.1	Fog	None	Rippled	0.3	Light Wind	30	No Observations	
NORDIKA DESGAGNÉS	Mammals	6/29/2025	Transect	02:00:00	62.15	-86.35016667	62.21816667	-87.217	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind	275	Harbour Seal	3
NORDIKA DESGAGNÉS	Mammals	6/30/2025	Stationary	01:40:00	62.601	-91.01783333	62.617	-91.06733333	0.1	Fog	None	Rippled	0.3	Light Wind	275	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/1/2025	Stationary	01:30:00	62.76783333	-92.08483333	62.76783333	-92.08466667	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind	105	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/2/2025	Stationary	01:30:00	62.76766667	-92.084	62.76766667	-92.084	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind	250	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/3/2025	Stationary	01:30:00	62.76716667	-92.08433333	62.7675	-92.08416667	12	Cloudy	None	Rippled	0.3	Light Wind	315	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/4/2025	Stationary	00:30:00	62.76766667	-92.08466667	62.76766667	-92.08466667	12	Cloudy	None	Rippled	0.8	Light Wind	100	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/5/2025	Stationary	01:30:00	62.7675	-92.084	62.7675	-92.084	12	Clear or Partly Cloudy	None	Wavelets	0.9	Strong Wind	308	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/6/2025	Stationary	01:30:00	62.7675	-92.084	62.7675	-92.084	12	Clear or Partly Cloudy	None	Wavelets	1	Strong Wind	310	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/7/2025	Stationary	01:30:00	62.7675	-92.08416667	62.7675	-92.08383333	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm	345	No Observations	
ANNETTE A DESGAGNÉS	Mammals	7/7/2025	Transect	01:32:00	61.14666667	-66.92333333	61.295	-66.61333333	15	Clear or Partly Cloudy	Slight/ Grey	Moderate	1.5	Light Wind	240	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/8/2025	Transect	01:30:00	62.43466667	-89.3675	62.36766667	-88.60116667	12	Clear or Partly Cloudy	None	Wavelets	1	Strong Wind	180	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/9/2025	Transect	02:00:00	61.9015	-83.46766667	61.93383333	-82.45083333	12	Clear or Partly Cloudy	None	Wavelets	1.5	Strong Wind	190	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/10/2025	Transect	02:00:00	62.28366667	-71.70083333	62.11683333	-70.35016667	12	Cloudy	None	Slight	1.5	Strong Wind	215	Harbour Seal	1
ANNETTE A DESGAGNÉS	Mammals	7/13/2025	Transect	01:35:00	62.25666667	-71.325	62.38666667	-72.01666667	15	Clear or Partly Cloudy	None	Moderate	1	Light Wind	100	No Observations	
ANNETTE A DESGAGNÉS	Mammals	7/13/2025	Transect	01:30:00	62.93833333	-77.1	62.9535	-77.80016667	12	Clear or Partly Cloudy	None	Moderate	1	Light Wind	95	No Observations	
ANNETTE A DESGAGNÉS	Mammals	7/14/2025	Transect	01:30:00	63.06833333	-83.11	63.04833333	-83.72166667	7	Fog	None	Rough	2	Strong Wind	0	No Observations	
ANNETTE A DESGAGNÉS	Mammals	7/14/2025	Transect	01:47:00	62.82166667	-88.02666667	62.75833333	-88.80683333	15	Clear or Partly Cloudy	Slight/ Grey	Rough	2	Strong Wind	300	No Observations	
MIENA DESGAGNÉS	Mammals	7/17/2025	Transect	01:35:00	60.518	-62.6505	60.66816667	-63.28466667	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind	205	No Observations	
MIENA DESGAGNÉS	Mammals	7/18/2025	Transect	01:17:00	61.95016667	-69.96683333	62.05066667	-70.51783333	1	Clear or Partly Cloudy		Slight	0.5	Light Wind	112	No Observations	
MIENA DESGAGNÉS	Mammals	7/18/2025	Transect	01:54:00	62.4335	-72.90083333	62.51783333	-73.81816667	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind	100	No Observations	
MIENA DESGAGNÉS	Mammals	7/19/2025	Transect	01:30:00	62.15016667	-82.03483333	62.05083333	-82.73333333	1	Clear or Partly Cloudy		Slight	0.5	Light Wind	0	No Observations	
MIENA DESGAGNÉS	Mammals	7/19/2025	Transect	01:59:00	62.1	-84.28366667	62.26683333	-85.11716667	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind	351	No Observations	
MIENA DESGAGNÉS	Mammals	7/20/2025	Transect	01:39:00	63.71733333	-91.71783333	63.75066667	-92.38483333	1	Medium to Heavy Rain	Slight/ Grey	Slight	0.2	Light Wind	270	No Observations	
MIENA DESGAGNÉS	Mammals	7/20/2025	Transect	01:18:00	63.88466667	-92.93416667	63.96716667	-93.48433333	10	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind	272	No Observations	
QIKIQTAALUK W	Mammals	7/21/2025	Transect	01:00:00	62.52333333	-91.15333333	62.65666667	-91.30333333	16	Clear or Partly Cloudy	None	Wavelets	0.3	Calm	150	No Observations	
QIKIQTAALUK W	Mammals	7/22/2025	Stationary						10	Medium to Heavy Rain	None	Rough	2	Strong Wind	0	No Observations	
ANNETTE A DESGAGNÉS	Mammals	7/24/2025	Transect	01:30:00	62.29	-85.14666667	62.15666667	-84.40166667	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind	12	No Observations	
ANNETTE A DESGAGNÉS	Mammals	7/24/2025	Transect	01:30:00	62.57333333	-79.01166667	62.64833333	-78.15	0.2	Fog	None	Rippled	0.1	Light Wind	10	No Observations	
ANNETTE A DESGAGNÉS	Mammals	7/25/2025	Transect	01:30:00	62.29	-72.40333333	62.11666667	-71.63833333	16	Clear or Partly Cloudy	Slight/ Grey		0.3	Calm	162	No Observations	
KIVALLIQ W	Mammals	7/25/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind	45	No Observations	
ANNETTE A DESGAGNÉS	Mammals	7/25/2025	Transect	01:30:00	61.02166667	-66.96333333	60.91666667	-66.46333333	15	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind	180	No Observations	
QIKIQTAALUK W	Mammals	7/25/2025	Transect	01:00:00	62.75666667	-91.985	62.68166667	-91.53333333	15	Clear or Partly Cloudy	None	Wavelets	0.1	Light Wind	160	No Observations	
KIVALLIQ W	Mammals	7/26/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind	50	No Observations	
QIKIQTAALUK W	Mammals	7/26/2025	Transect	01:00:00	62.51333333	-91.15666667	62.62833333	-91.14666667	15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind	130	No Observations	
KIVALLIQ W	Mammals	7/27/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	Slight/ Grey	Slight	0.4	Strong Wind	350	No Observations	
KIVALLIQ W	Mammals	7/28/2025	Stationary	01:00:00	64.11833333	-94.37166667	64.11833333	-94.37166667	10			Wavelets	0.2		345	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/28/2025	Transect	01:30:00	61.43383333	-67.48366667	61.55	-68.06783333	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind	220	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/29/2025	Transect	02:00:00	62.51666667	-74.80083333	62.5015	-75.68333333	2	Fog		Wavelets	1	Light Wind	270	No Observations	
KIVALLIQ W	Mammals	7/29/2025	Stationary	01:00:00	64.11833333	-94.37166667	64.11833333	-94.37166667	10	Clear or Partly Cloudy	None	Slight	0.3	Strong Wind	45	No Observations	
KIVALLIQ W	Mammals	7/30/2025	Stationary	01:00:00	64.11833333	-94.37166667	64.11833333	-94.37166667	10	Clear or Partly Cloudy	None	Wavelets	0.2		45	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/30/2025	Transect	01:30:00	62.701	-87.7845	62.76733333	-88.08433333	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	1	Light Wind	300	No Observations	
MIENA DESGAGNÉS	Mammals	7/31/2025	Transect	01:47:00	62.65033333	-87.08433333	62.484	-86.267	1	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.2	Light Wind	315	No Observations	
KIVALLIQ W	Mammals	7/31/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind	90	No Observations	
QIKIQTAALUK W	Mammals	7/31/2025	Transect	01:00:00	63.11333333	-90.33833333	63.26333333	-90.43833333	20	Clear or Partly Cloudy	None	Slight	0.25	Strong Wind	225	No Observations	
MIENA DESGAGNÉS	Mammals	7/31/2025	Transect	01:49:00	61.98466667	-83.76816667	61.98433333	-82.88433333	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind		Unknown Seal	1
NORDIKA DESGAGNÉS	Mammals	7/31/2025	Transect	02:00:00	63.9335	-93.61733333	63.9335	-93.61733333	12	Clear or Partly Cloudy	None	Rippled	0.5	Calm	300	No Observations	

APPENDIX D: MARINE MAMMAL SURVEY DATA AND SIGHTINGS INFORMATION, 2025

Vessel Name	Survey Target	Date	Survey Type	Temporal Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Visibility (km)	Weather Notes	Glare Condition Notes	Sea State Code	Wave Height (m)	Wind Speed (Beaufort Scale)	True Wind Direction (deg)	Species	Count
NORDIKA DESGAGNÉS	Mammals	8/1/2025	Stationary	02:00:00	63.91816667	-93.617	63.91816667	-93.617	12	Cloudy	None	Rippled	0.2	Light Wind	360	No Observations	
MIENA DESGAGNÉS	Mammals	8/1/2025	Transect	01:38:00	62.51733333	-74.318	62.50116667	-73.36783333	1	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0	Light Wind	202	No Observations	
KIVALLIQ W	Mammals	8/1/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind		No Observations	
QIKIQTAALUK W	Mammals	8/1/2025	Stationary	01:00:00	63.94	-93.63833333	63.94	-93.63833333	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	1	Light Wind	300	No Observations	
MIENA DESGAGNÉS	Mammals	8/1/2025	Transect	01:47:00	62.234	-71.7505	62.06816667	-70.93416667	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind	158	Harp Seal	1
NORDIKA DESGAGNÉS	Mammals	8/2/2025	Stationary	02:00:00	63.91816667	-93.61716667	63.91816667	-93.61716667	12	Clear or Partly Cloudy	None	Wavelets	0.5	Strong Wind	310	No Observations	
MIENA DESGAGNÉS	Mammals	8/2/2025	Transect	01:48:00	60.68483333	-64.05033333	60.4	-63.534	1	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind	247	No Observations	
KIVALLIQ W	Mammals	8/2/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind	45	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/3/2025	Stationary	02:00:00	63.93333333	-93.61683333	63.93333333	-93.61683333	12	Clear or Partly Cloudy	None	Wavelets	0.5	Strong Wind	300	No Observations	
KIVALLIQ W	Mammals	8/3/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind	35	No Observations	
KIVALLIQ W	Mammals	8/4/2025	Stationary	01:00:00	64.11833333	-94.37166667	64.11833333	-94.37166667	5	Cloudy	None	Moderate	0.4	Strong Wind	25	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/4/2025	Transect	02:00:00	63.2345	-90.41666667	63.03416667	-90.33333333	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind	130	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/5/2025	Transect	02:00:00	62.61783333	-90.701	62.63466667	-91.23483333	0.5	Fog	None	Rippled	0.3	Strong Wind	180	No Observations	
KIVALLIQ W	Mammals	8/5/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind	45	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/6/2025	Stationary	02:00:00	62.76766667	-92.08383333	62.76766667	-92.08383333	12	Cloudy	None	Wavelets	0.5	Strong Wind	250	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/6/2025	Transect	00:55:00	60.81666667	-65.71666667	60.83333333	-66.1	20	Cloudy	None	Wavelets	1	Light Wind	215	No Observations	
KIVALLIQ W	Mammals	8/6/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind		No Observations	
NORDIKA DESGAGNÉS	Mammals	8/6/2025	Transect	00:55:00	61.245	-68.64333333	61.32833333	-69.02166667	1	Fog		Wavelets	0.5	Strong Wind		No Observations	
QIKIQTAALUK W	Mammals	8/6/2025	Transect	01:00:00	63.92666667	-93.26166667			15	Clear or Partly Cloudy	Slight/ Grey	Slight	1	Strong Wind	315	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/7/2025	Stationary	02:00:00	62.76733333	-92.084	62.76733333	-92.084	12	Clear or Partly Cloudy	None	Wavelets	0.5	Strong Wind	0	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/7/2025	Stationary	00:55:00	61.94	-72.24833333	61.94	-72.24833333	1	Fog	Slight/ Grey	Wavelets	0.5	Light Wind	355	No Observations	
KIVALLIQ W	Mammals	8/7/2025	Stationary	01:00:00	64.11833333	-94.37166667	64.11833333	-94.37166667	10	Cloudy	None	Wavelets	0.2	Light Wind		No Observations	
NORDIKA DESGAGNÉS	Mammals	8/7/2025	Transect	00:35:00	62.4	-72.68333333	62.48333333	-73		Fog	None	Rippled	1	Light Wind	315	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/8/2025	Stationary	02:00:00	62.76766667	-92.084	62.76766667	-92.084	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind	195	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/8/2025	Transect	00:55:00	62.31666667	-80.9	62.23333333	-81.28333333	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind	315	No Observations	
KIVALLIQ W	Mammals	8/8/2025	Stationary	01:00:00	64.11833333	-94.37166667	64.11833333	-94.37166667	10	Cloudy	None	Slight	0.3	Strong Wind	340	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/8/2025	Transect	00:55:00	61.91	-83.07833333	61.90666667	-83.54333333	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind		No Observations	
NORDIKA DESGAGNÉS	Mammals	8/9/2025	Stationary	02:00:00	62.26733333	-92.08416667	62.28233333	-92.08416667	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind	5	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/9/2025	Transect	00:55:00	63.31666667	-90.53333333	63.4	-90.71666667	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind	360	No Observations	
KIVALLIQ W	Mammals	8/9/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	None	Slight	0.3	Light Wind	340	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/9/2025	Transect	00:55:00	63.715	-91.98	63.765	-92.39833333	5	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind	0	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/10/2025	Stationary	01:00:00	63.925	-63.925	63.925	-63.925	10	Clear or Partly Cloudy	None	Rippled	0	Calm		No Observations	
KIVALLIQ W	Mammals	8/10/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Cloudy	None	Moderate	0.4	Strong Wind	150	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/10/2025	Transect	02:00:00	62.284	-87.75	62.18416667	-86.75033333	12	Cloudy	None	Wavelets	0.5		110	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/11/2025	Stationary	01:00:00	63.925	-93.61833333			5	Cloudy	None	Wavelets	1	Light Wind	25	No Observations	
KIVALLIQ W	Mammals	8/11/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind	150	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/11/2025	Transect	01:30:00	62.65133333	-79.11716667	62.48466667	-78.71783333	10	Cloudy	Slight/ Grey	Wavelets	1	Light Wind	50	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/12/2025	Stationary	01:00:00	63.925	-93.61833333			10	Clear or Partly Cloudy	None	Wavelets	2	Calm	360	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/12/2025	Transect	02:00:00	61.7845	-70.96683333	61.50116667	-70.20033333	1	Fog		Wavelets	0.5	Light Wind	135	No Observations	
KIVALLIQ W	Mammals	8/12/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind	150	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/12/2025	Transect	01:30:00	61.06683333	-68.567	60.98383333	-67.88333333	112	Fog	Slight/ Grey	Wavelets	1		100	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/13/2025	Stationary	01:00:00	63.925	-93.61833333			10	Clear or Partly Cloudy	None	Rippled	1	Light Wind	360	No Observations	
KIVALLIQ W	Mammals	8/13/2025	Stationary	01:00:00	64.29833333	-95.95333333	64.29833333	-95.95333333	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind	150	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/14/2025	Stationary	01:00:00	63.925	-93.61833333			10	Clear or Partly Cloudy	None	Glassy		Calm		No Observations	
KIVALLIQ W	Mammals	8/14/2025	Stationary	01:00:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Clear or Partly Cloudy		Wavelets	0.2	Calm	40	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/15/2025	Stationary	01:00:00	63.92666667	-93.65			10	Clear or Partly Cloudy		Rippled		Light Wind	315	No Observations	
KIVALLIQ W	Mammals	8/15/2025	Stationary	01:30:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Clear or Partly Cloudy		Wavelets	0.2	Calm	202	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/16/2025	Stationary	01:00:00	63.92666667				10	Cloudy	None	Rippled	1	Light Wind	315	No Observations	
KIVALLIQ W	Mammals	8/16/2025	Stationary	01:00:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Clear or Partly Cloudy		Wavelets	0.2	Calm	30	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/17/2025	Stationary	01:00:00	63.92666667	-93.61666667			10	Clear or Partly Cloudy		Rippled	1	Light Wind	270	No Observations	

APPENDIX D: MARINE MAMMAL SURVEY DATA AND SIGHTINGS INFORMATION, 2025

Vessel Name	Survey Target	Date	Survey Type	Temporal Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Visibility (km)	Weather Notes	Glare Condition Notes	Sea State Code	Wave Height (m)	Wind Speed (Beaufort Scale)	True Wind Direction (deg)	Species	Count
KIVALLIQ W	Mammals	8/17/2025	Stationary	01:30:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm		No Observations	
KIVALLIQ W	Mammals	8/18/2025	Stationary	01:00:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Clear or Partly Cloudy		Wavelets	0.2	Calm	25	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/18/2025	Transect	00:55:00	63.28333333	-90.46666667	63.21666667	-90.03333333	15	Cloudy	None	Wavelets	1	Light Wind	135	No Observations	
KIVALLIQ W	Mammals	8/19/2025	Stationary	01:30:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm	135	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/20/2025	Transect	00:55:00	62.01666667	-71.36666667	61.9	-71	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind	135	No Observations	
KIVALLIQ W	Mammals	8/20/2025	Stationary	01:00:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Clear or Partly Cloudy		Wavelets	0.2	Calm	30	No Observations	
NORDIKA DESGAGNÉS	Mammals	8/20/2025	Transect	00:55:00	61.445	-69.29833333	61.35	-68.91	5	Clear or Partly Cloudy	None	Slight	0.5	Light Wind	81	Bearded Seal	1
NORDIKA DESGAGNÉS	Mammals	8/21/2025	Transect	00:55:00	60.27833333	-62.845	60.20333333	-62.47	0	Fog	Bright on Observer's Side	Rough	1	Light Wind	40	No Observations	
KIVALLIQ W	Mammals	8/21/2025	Stationary	01:30:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Cloudy	None	Wavelets	0.3	Light Wind	90	No Observations	
KIVALLIQ W	Mammals	8/22/2025	Stationary	01:00:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Clear or Partly Cloudy		Wavelets	0.2	Calm	25	No Observations	
KIVALLIQ W	Mammals	8/23/2025	Stationary	01:30:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Cloudy	None	Wavelets	0.3	Light Wind	180	No Observations	
KIVALLIQ W	Mammals	8/24/2025	Stationary	01:00:00	64.28333333	-95.95333333	64.28333333	-95.95333333	18	Clear or Partly Cloudy		Wavelets	0.2	Calm	10	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/3/2025	Transect	01:30:00	60.80066667	-66.66683333	60.8845	-67.28383333	15	Clear or Partly Cloudy	None	Slight	1	Light Wind	292	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/4/2025	Transect	01:30:00	62.5015	-74.83483333	62.51666667	-75.40066667	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind	180	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/5/2025	Transect	01:30:00	62.0345	-85.28366667	62.11716667	-86.01783333	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	1	Light Wind	45	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/6/2025	Stationary	01:30:00	62.7675	-92.0845	62.7675	-92.0845	12	Cloudy	None	Rippled	0.5	Strong Wind	10	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/7/2025	Transect	02:00:00	63.08383333	-90.3335	63.33483333	-90.60133333	12	Cloudy	None	Slight	1.3	Strong Wind	310	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/8/2025	Transect	00:55:00	60.5	-64.31666667	60.53333333	-64.85	12	Fog	None	Moderate	1	Strong Wind	315	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/8/2025	Stationary	02:00:00	63.93333333	-93.61716667	63.93333333	-93.61716667	12	Clear or Partly Cloudy	None	Rippled	0.3	Strong Wind	320	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/9/2025	Transect	00:55:00	62.19	-71.73833333	62.30166667	-72.10833333	5	Clear or Partly Cloudy	None	Wavelets	0			No Observations	
NORDIKA DESGAGNÉS	Mammals	9/9/2025	Stationary	01:30:00	63.9335	-93.61716667	63.9335	-92.4505	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm	100	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/10/2025	Transect	00:55:00	62.26833333	-81.18	62.18833333	-81.55	5	Clear or Partly Cloudy	None	Rippled	0	Light Wind		No Observations	
NORDIKA DESGAGNÉS	Mammals	9/10/2025	Stationary	01:30:00	63.93366667	-93.6175	63.93366667	-93.6175	10	Medium to Heavy Rain	None	Slight	1	Strong Wind	135	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/11/2025	Stationary	01:30:00	63.93333333	-93.6175	63.93333333	-93.6175	12	Cloudy	None	Rippled	0.3	Light Wind	40	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/11/2025	Stationary	01:00:00	62.775	-92.09666667			5	Cloudy	Slight/ Grey	Wavelets	1	Light Wind	56	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/12/2025	Stationary	01:00:00	62.77333333	-92.09333333			10	Clear or Partly Cloudy		Rippled	1	Light Wind	22	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/12/2025	Stationary	01:30:00	63.93366667	-93.6175	63.93366667	-93.6175	12	Cloudy	None	Rippled	0.4	Strong Wind	131	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/13/2025	Stationary	01:30:00	63.93366667	-93.61733333	63.93366667	-93.61733333	12	Cloudy	None	Wavelets	0.6	Strong Wind	180	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/13/2025	Transect	00:55:00	63.5	-90.9	63.58333333	-91.18333333	20	Cloudy	None	Wavelets	2	Light Wind	225	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/14/2025	Stationary	01:00:00					5	Cloudy		Rippled	1	Light Wind		No Observations	
NORDIKA DESGAGNÉS	Mammals	9/14/2025	Transect	02:00:00	63.56716667	-91.05133333	63.401	-90.73366667	0.2	Fog		Glassy	0	Calm		No Observations	
NORDIKA DESGAGNÉS	Mammals	9/15/2025	Stationary	01:00:00	63.92833333	-93.61833333			10	Cloudy	Slight/ Grey	Rippled	1	Calm		No Observations	
NORDIKA DESGAGNÉS	Mammals	9/15/2025	Transect	01:30:00	61.90116667	-82.61683333	62.117	-82.0335	8	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind	280	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/16/2025	Stationary	01:00:00	63.92833333	-93.62166667			10	Cloudy	None	Rippled	1	Light Wind	90	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/16/2025	Transect		61.518	-70.25033333	61.30133333	-69.6515	0.5	Fog	Slight/ Grey	Wavelets	0.5	Light Wind	300	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/16/2025	Transect	02:27:00	61.01733333	-68.11683333	60.83416667	-66.618	2	Fog	Slight/ Grey	Wavelets	1	Light Wind	315	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/17/2025	Stationary	01:00:00	63.92833333	-93.61833333			10	Cloudy	None	Rippled	1	Light Wind	90	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/18/2025	Stationary	01:00:00	63.92833333	-93.61666667			10	Clear or Partly Cloudy	None	Rippled	1	Calm		No Observations	
NORDIKA DESGAGNÉS	Mammals	9/19/2025	Stationary	01:00:00	63.93	-93.62			10	Clear or Partly Cloudy		Rippled	1	Light Wind	135	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/20/2025	Stationary	02:00:00	63.92833333	-93.62			1	Fog	None	Wavelets	1	Light Wind	292	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/21/2025	Stationary	01:00:00	63.92833333	-93.62			2	Fog	None	Rippled	1	Calm		No Observations	
NORDIKA DESGAGNÉS	Mammals	9/22/2025	Stationary	01:00:00	63.92833333	-93.62			10	Clear or Partly Cloudy	None	Rippled	1	Calm		No Observations	
NORDIKA DESGAGNÉS	Mammals	9/23/2025	Stationary	01:00:00	63.92833333	-93.62166667			10	Clear or Partly Cloudy	None	Rippled	1	Calm		No Observations	
NORDIKA DESGAGNÉS	Mammals	9/24/2025	Transect	00:55:00	62.1	-85.06666667	62.05	-84.63333333	20	Clear or Partly Cloudy	None	Slight	2	Strong Wind	225	No Observations	
ACADIA DESGAGNÉS	Mammals	9/24/2025	Incidental	00:00:00	60.425	-63.87666667			30	Clear or Partly Cloudy		Moderate	2	Light Wind		Unknown Dolphin	4
NORDIKA DESGAGNÉS	Mammals	9/24/2025	Transect	00:55:00	61.99833333	-82.725	62.04166667	-82.30333333	5	Clear or Partly Cloudy	Slight/ Grey	Rough	1.5		270	No Observations	
NORDIKA DESGAGNÉS	Mammals	9/25/2025	Transect	00:55:00	61.98166667	-71	61.84516667	-71.65166667	5	Fog	Slight/ Grey	Rough	1	Light Wind	270	No Observations	
NORDIKA DESGAGNÉS	Mammals	10/5/2025	Transect	02:00:00	60.95083333	-67.70016667	61.08433333	-68.55066667	12	Cloudy	None	Rippled	0.3	Light Wind	180	No Observations	
NORDIKA DESGAGNÉS	Mammals	10/6/2025	Stationary	01:30:00	62.1845	-75.7345	62.1845	-75.7345	10	Cloudy	None	Rippled	0.2	Calm		No Observations	
NORDIKA DESGAGNÉS	Mammals	10/7/2025	Transect	01:30:00	62.6335	-77.75066667	62.66666667	-78.36733333	12	Cloudy	None	Slight	1.5	Strong Wind	320	No Observations	

APPENDIX D: MARINE MAMMAL SURVEY DATA AND SIGHTINGS INFORMATION, 2025

Vessel Name	Survey Target	Date	Survey Type	Temporal Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Visibility (km)	Weather Notes	Glare Condition Notes	Sea State Code	Wave Height (m)	Wind Speed (Beaufort Scale)	True Wind Direction (deg)	Species	Count
NORDIKA DESGAGNÉS	Mammals	10/8/2025	Transect	01:03:00	61.9015	-82.96683333	61.91683333	-83.65	20	Cloudy	Slight/ Grey	Slight	1	Strong Wind	337	No Observations	
KIVALLIQ W	Mammals	10/9/2025	Transect	00:30:00	62.93333333	-86.83166667	62.95333333	-86.89666667	20	Clear or Partly Cloudy	None	Rough	3	Strong Wind	45	No Observations	
KIVALLIQ W	Mammals	10/9/2025	Transect	00:30:00	62.77	-87.94	62.77	-87.94	20	Clear or Partly Cloudy	None	Rough	3	Strong Wind	45	No Observations	
KIVALLIQ W	Mammals	10/10/2025	Stationary	00:30:00	63.96	-93.57666667	63.96	-93.57666667	20	Cloudy	None		1	Light Wind	310	No Observations	
KIVALLIQ W	Mammals	10/10/2025	Stationary	00:30:00	63.96	-93.57666667			20	Cloudy	None		1	Light Wind	320	No Observations	
NORDIKA DESGAGNÉS	Mammals	10/10/2025	Stationary		63.95	-93.56783333	63.95	-93.56733333	10	Cloudy		Wavelets	1	Strong Wind		No Observations	
KIVALLIQ W	Mammals	10/11/2025	Stationary	00:30:00	63.935	-93.615	63.935	-93.615	20	Cloudy	None	Wavelets	0.3	Light Wind	0	No Observations	
KIVALLIQ W	Mammals	10/11/2025	Stationary	00:30:00	63.935	-93.61333333	63.935	-93.61333333	20	Cloudy	None	Wavelets	0.3	Light Wind	0	No Observations	
NORDIKA DESGAGNÉS	Mammals	10/11/2025	Stationary	01:30:00	63.95233333	-93.58416667	63.95033333	-93.58416667	13	Snow		Slight	1	Strong Wind	90	No Observations	
NORDIKA DESGAGNÉS	Mammals	10/12/2025	Stationary	01:30:00	63.95033333	-93.56816667	63.95016667	-93.568	15	Cloudy		Wavelets	1	Strong Wind		No Observations	
NORDIKA DESGAGNÉS	Mammals	10/13/2025	Stationary	01:30:00	63.95016667	-93.5835	63.95016667	-93.5835		Snow				Strong Wind		No Observations	
NORDIKA DESGAGNÉS	Mammals	10/14/2025	Stationary	01:00:00	63.95016667	-93.56816667	63.95016667	-93.56816667	20	Cloudy	Slight/ Grey	Rippled	0.2	Light Wind	247	No Observations	
NORDIKA DESGAGNÉS	Mammals	10/15/2025	Stationary	01:30:00	63.95	-93.58333333	63.95	-63.58333333	15	Cloudy	None	Wavelets	0.5	Light Wind	315	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/16/2025	Transect	00:55:00	62.97	-78.65333333	63.005	-79.085	5	Cloudy		Slight	0.5	Light Wind	160	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/16/2025	Transect	00:55:00	63.07333333	-80.065	63.10833333	-80.48666667	5	Cloudy		Slight	0.5	Light Wind	160	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/16/2025	Transect	00:55:00	63.15	-81.01666667	63.18333333	-81.45	20	Cloudy	None	Wavelets	1	Light Wind	180	No Observations	
NORDIKA DESGAGNÉS	Mammals	10/16/2025	Stationary	01:30:00	63.95016667	-93.58416667	63.95016667	-93.58416667	12	Cloudy	None	Wavelets	0.3	Light Wind	135	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/17/2025	Transect	00:55:00	62.635	-90.06833333	62.60666667	-90.48	5	Cloudy		Slight	0.5	Light Wind	150	No Observations	
NORDIKA DESGAGNÉS	Mammals	10/17/2025	Stationary	01:30:00	63.95	-93.5835	63.95	-93.5835	12	Cloudy	None			Light Wind	90	No Observations	
ANNETTE A DESGAGNÉS	Mammals	10/17/2025	Transect	01:26:00	60.58	-65.025	60.725	-65.63833333	1	Cloudy	Slight/ Grey	Wavelets	1	Calm	80	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/18/2025	Stationary	01:00:00	62.775	-92.09166667			5	Fog	Slight/ Grey	Rippled	-1	Light Wind	90	No Observations	
ANNETTE A DESGAGNÉS	Mammals	10/18/2025	Transect	01:20:00	62.59166667	-75.68833333	62.585	-76.28166667	5	Cloudy	Slight/ Grey	Rough	2.5	Strong Wind	90	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/19/2025	Stationary	01:00:00	62.775	-92.09166667			10	Cloudy	None	Rippled	-1	Light Wind	270	No Observations	
ANNETTE A DESGAGNÉS	Mammals	10/19/2025	Transect	01:30:00	62.03333333	-83.605	62.08833333	-84.35166667	1	Fog	None	Wavelets	1	Light Wind	232	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/20/2025	Stationary	01:00:00	62.775	-92.09			10	Cloudy	None	Wavelets	1	Strong Wind	270	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/21/2025	Stationary	01:00:00	62.775	-92.09			10	Clear or Partly Cloudy	Slight/ Grey	Rippled	1	Light Wind	270	No Observations	
SEDNA DESGAGNÉS	Mammals	10/22/2025	Transect	01:25:00	61.38	-67.4165	61.5215	-68.11733333	10	Cloudy	Slight/ Grey	Slight	0.9	Strong Wind	300	No Observations	
SEDNA DESGAGNÉS	Mammals	10/22/2025	Transect		61.38516667	-67.44266667			10					Light Wind	293	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/23/2025	Stationary	01:00:00	62.775	-92.09			10	Cloudy	None	Rippled	-1	Calm	0	No Observations	
SEDNA DESGAGNÉS	Mammals	10/23/2025	Transect	01:50:00	62.63166667	-77.94833333	62.555	-78.855	8	Cloudy	Slight/ Grey	Wavelets	0.2		60	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/24/2025	Stationary	01:00:00	62.775	-92.09			10	Clear or Partly Cloudy	None	Rippled	-1	Calm		No Observations	
SEDNA DESGAGNÉS	Mammals	10/24/2025	Transect	01:28:00	62.46166667	-89.055	62.51333333	-89.725	20	Clear or Partly Cloudy	None	Slight	0.4	Light Wind	345	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/25/2025	Stationary	01:00:00	62.75833333				10	Cloudy	None	Wavelets	1	Strong Wind	5	No Observations	
SEDNA DESGAGNÉS	Mammals	10/25/2025	Stationary	01:45:00	62.77883333	-92.06066667	62.77883333	-92.061	8	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Strong Wind	180	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/26/2025	Stationary	01:00:00	62.75833333	-92.08			10	Cloudy	None	Slight	2	Strong Wind	180	No Observations	
SEDNA DESGAGNÉS	Mammals	10/26/2025	Stationary	01:30:00	62.77883333	-92.0605	62.77883333	-92.0605	10	Clear or Partly Cloudy		Moderate	1	Strong Wind		No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/27/2025	Stationary	00:55:00	62.775	-92.09	62.775	-92.09	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind	315	No Observations	
SEDNA DESGAGNÉS	Mammals	10/27/2025	Stationary	02:00:00	62.7745	-92.06133333	62.77416667	-92.06166667	20	Cloudy	None	Rippled	0.25	Light Wind	0	No Observations	
SEDNA DESGAGNÉS	Mammals	10/27/2025	Stationary		62.77483333	-92.06216667			15					Light Wind	270	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/28/2025	Transect	00:55:00	62.255	-81.16666667	62.35	-80.75666667	3	Fog	None	Slight	0.5	Light Wind	210	No Observations	
SEDNA DESGAGNÉS	Mammals	10/28/2025	Stationary	02:00:00	62.77533333	-92.06383333	62.77483333	-92.063	20	Cloudy		Wavelets	0.2	Calm	0	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/28/2025	Transect	00:55:00	62.73333333	-78.5	62.73333333	-78.06666667	20	Cloudy	None	Wavelets	1	Light Wind	90	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/29/2025	Transect	00:55:00	61.74166667	-70.24	61.62833333	-69.86666667	5	Cloudy	None	Slight	0.5	Light Wind	180	No Observations	
SEDNA DESGAGNÉS	Mammals	10/29/2025	Stationary	02:00:00	62.74916667	-92.02716667	62.74916667	-92.02733333	1	Medium to Heavy Rain		Rough	2.3	Strong Wind	70	No Observations	
MARCELLIN A DESGAGNÉS	Mammals	10/29/2025	Transect	00:55:00	61.03333333	-67.76666667	60.93333333	-67.38333333	20	Cloudy	None	Wavelets	1	Light Wind	270	No Observations	
SEDNA DESGAGNÉS	Mammals	10/30/2025	Stationary	01:45:00	62.77266667	-92.049	62.77266667	-92.04833333	15	Cloudy	None	Slight	0.8	Light Wind	0	No Observations	
ANNETTE A DESGAGNÉS	Mammals	10/31/2025	Transect	01:30:00	62.115	-84.63833333	62.05333333	-83.93166667	10	Cloudy	None	Wavelets	0.5	Light Wind	90	No Observations	
SEDNA DESGAGNÉS	Mammals	10/31/2025	Stationary	01:30:00	62.776	-92.04566667	62.77466667	-92.046	20		None	Wavelets	0.3	Light Wind	0	No Observations	
ANNETTE A DESGAGNÉS	Mammals	10/31/2025	Transect	01:23:00	62.17166667	-82.025	62.265	-82.39666667	20	Cloudy	None	Slight	1.5	Strong Wind	39	No Observations	
QIKIQTAALUK W	Mammals	10/31/2025	Stationary	00:30:00	63.49166667	-91.13666667				Cloudy	Bright on Observer's Side			Light Wind		No Observations	

APPENDIX D: MARINE MAMMAL SURVEY DATA AND SIGHTINGS INFORMATION, 2025

Vessel Name	Survey Target	Date	Survey Type	Temporal Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Visibility (km)	Weather Notes	Glare Condition Notes	Sea State Code	Wave Height (m)	Wind Speed (Beaufort Scale)	True Wind Direction (deg)	Species	Count
ANNETTE A DESGAGNÉS	Mammals	11/1/2025	Transect	01:30:00	62.405	-72.93333333	62.22666667	-72.16	15	Snow	None	Slight	0.5	Calm		No Observations	
ANNETTE A DESGAGNÉS	Mammals	11/1/2025	Transect	01:30:00	61.81333333	-70.325	61.65	-69.58166667	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind	325	No Observations	
QIKIQTAALUK W	Mammals	11/1/2025	Transect	02:00:00	62.80833333	-90.54833333	62.615	-91.00166667	6	Cloudy	Slight/ Grey	Slight	0.5	Strong Wind	170	No Observations	
SEDNA DESGAGNÉS	Mammals	11/1/2025	Transect	01:30:00	62.46	-88.12833333	62.38833333	-88.15183333	30	Clear or Partly Cloudy	None	Slight	0.4	Light Wind	180	No Observations	
QIKIQTAALUK W	Mammals	11/2/2025	Stationary	02:00:00	62.78666667	-90.11666667			8	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.2	Light Wind		No Observations	
SEDNA DESGAGNÉS	Mammals	11/2/2025	Transect	01:35:00	62.5685	-72.04	62.52666667	-75.49333333	30	Clear or Partly Cloudy	None	Slight	0.25	Light Wind	180	No Observations	
QIKIQTAALUK W	Mammals	11/3/2025	Transect	01:00:00	62.71333333	-91.73	62.63166667	-91.12333333	6	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind	270	No Observations	
SEDNA DESGAGNÉS	Mammals	11/3/2025	Transect	02:00:00	60.82666667	-64.68666667	60.58	-64.09	10	Cloudy	None	Moderate	1.2	Strong Wind		No Observations	
QIKIQTAALUK W	Mammals	11/4/2025	Stationary	01:00:00	63.49166667	-91.275	63.49166667	-91.125	6	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind	300	No Observations	
QIKIQTAALUK W	Mammals	11/5/2025	Stationary	01:00:00	63.51833333	-91.07666667			4	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Strong Wind		No Observations	
QIKIQTAALUK W	Mammals	11/6/2025	Transect	01:00:00	62.61833333	-90.98166667	62.515	-91.24166667	6	Cloudy		Slight	0.5	Strong Wind		No Observations	
QIKIQTAALUK W	Mammals	11/7/2025	Stationary	01:00:00	62.795	-91.98166667			6	Clear or Partly Cloudy	None	Wavelets	0.5	Strong Wind	30	No Observations	
QIKIQTAALUK W	Mammals	11/8/2025	Stationary	01:00:00	62.78833333	-91.97666667			7	Clear or Partly Cloudy	Bright on Observer's Side	Rough	1.5			No Observations	
QIKIQTAALUK W	Mammals	11/9/2025	Stationary	01:00:00	62.78833333	-91.97666667			6	Cloudy	Slight/ Grey	Slight	0.3	Light Wind		No Observations	
QIKIQTAALUK W	Mammals	11/11/2025	Stationary	01:00:00	62.79333333	-91.98166667			4	Medium to Heavy Rain	Slight/ Grey	Moderate	1.5	Strong Wind	140	No Observations	
QIKIQTAALUK W	Mammals	11/13/2025	Stationary	01:00:00	62.78833333	-91.97666667			6	Clear or Partly Cloudy	Bright on Observer's Side	Moderate	1.5	Gale Force Wind		No Observations	
QIKIQTAALUK W	Mammals	11/14/2025	Stationary	01:00:00	62.78833333	-91.97666667			15	Cloudy	None	Rough	2	Strong Wind	110	No Observations	
QIKIQTAALUK W	Mammals	11/15/2025	Transect	01:00:00	62.60166667	-91.12	62.675	-91.47166667	12	Cloudy	Slight/ Grey	Very Rough	3	Strong Wind	100	No Observations	
QIKIQTAALUK W	Mammals	11/16/2025	Stationary	01:00:00	62.79666667	-92.09666667	62.79666667	-92.09666667	12	Cloudy	None	Wavelets	0.5	Light Wind	90	No Observations	
QIKIQTAALUK W	Mammals	11/17/2025	Stationary	01:00:00	62.79666667	-92.09666667	62.79666667	-92.09666667	15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind	100	No Observations	
QIKIQTAALUK W	Mammals	11/18/2025	Stationary	01:00:00	62.79666667	-92.09666667	62.79666667	-92.09666667	12	Clear or Partly Cloudy	None	Wavelets	0.3	Light Wind	110	No Observations	
QIKIQTAALUK W	Mammals	11/19/2025	Stationary	01:00:00	62.79666667	-92.09666667	62.79666667	-92.09666667	10	Cloudy	None	Wavelets	0.1	Light Wind	10	No Observations	
NORDIKA DESGAGNÉS	Mammals	7/25/2025	Incidental		63.61783333	-91.38433333			20						315	Harbour Seal	1
NORDIKA DESGAGNÉS	Mammals	7/30/2025	Incidental		62.701	-87.78333333			12						290	Unknown Seal	20
NORDIKA DESGAGNÉS	Mammals	7/31/2025	Incidental		63.568	-91.0835			20						315	Harbour Seal	2
NORDIKA DESGAGNÉS	Mammals	7/31/2025	Incidental		63.61783333	-91.48383333			20						315	Harbour Seal	2
NORDIKA DESGAGNÉS	Mammals	8/4/2025	Incidental		63.53416667	-91.0335			10						200	Harbour Seal	1
NORDIKA DESGAGNÉS	Mammals	9/3/2025	Incidental		61.01666667	-68.10016667			12						292	Unknown Dolphin	12
NORDIKA DESGAGNÉS	Mammals	9/4/2025	Incidental		62.55083333	-76.43433333			20						180	Harbour Seal	3
NORDIKA DESGAGNÉS	Mammals	9/4/2025	Incidental						20						315	Pilot Whale	2
NORDIKA DESGAGNÉS	Mammals	9/7/2025	Incidental		62.6015	-90.96716667			20						337	Beluga Whale	3
NORDIKA DESGAGNÉS	Mammals	9/7/2025	Incidental		62.6175	-90.817			20						337	Harbour Seal	1
ANNETTE A DESGAGNÉS	Mammals	9/9/2025	Incidental		62.56666667	-73.03333333			20					Light Wind	135	Harp Seal	1
TUVAQ W	Mammals	10/1/2025	Incidental		63.58333333				15					Light Wind	225	Unknown Seal	1
NORDIKA DESGAGNÉS	Mammals	10/22/2025	Incidental		61.40066667	-69.90133333			1.6						315	Unknown Dolphin	1
		8/1/2025	Incidental		64.29833333	-95.98166667										Harbour Porpoise	1

APPENDIX E SEABIRD SURVEY DATA, 2025

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/12/2025	18:10:00	18:15:00	00:05	61.165	-66.0266667	61.1733333	-66.065	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/12/2025	18:15:00	18:20:00	00:05	61.1733333	-66.065	61.1816667	-66.14	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/12/2025	18:20:00	18:25:00	00:05	61.1816667	-66.1066667	61.19	-66.14	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/12/2025	18:25:00	18:30:00	00:05	61.19	-66.14	61.2016667	-66.1783333	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/12/2025	18:30:00	18:35:00	00:05	61.2016667	-66.1783333	61.21	-66.215	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/12/2025	18:35:00	18:40:00	00:05	61.21	-66.215	61.2216667	-66.25	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	06:58:00	07:05:00	00:07	62.3433333	-71.7766667	62.3533333	-71.8333333	Moving	20	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	07:05:00	07:10:00	00:05	62.3533333	-71.8333333	62.3616667	-71.87	Moving	20	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	07:10:00	07:15:00	00:05	62.3616667	-71.87	62.3683333	-71.9033333	Moving	20	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	07:15:00	07:20:00	00:05	62.3683333	-71.9033333	62.3733333	-71.94	Moving	20	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	07:20:00	07:25:00	00:05	62.3733333	-71.94	62.38	-71.9833333	Moving	20	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	07:25:00	07:30:00	00:05	62.38	-71.9833333	62.3866667	-72.0166667	Moving	20	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	18:55:00	19:00:00	00:05	62.945	-77.5233333	62.945	-77.5616667	Moving	12	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	17:00:00	17:05:00	00:05	62.945	-77.5616667	62.9466667	-77.6083333	Moving	12	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	17:05:00	17:10:00	00:05	62.9466667	-77.6083333	62.9483333	-77.66	Moving	12	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	17:10:00	17:15:00	00:05	62.9483333	-77.66	62.9483333	-77.6966667	Moving	12	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	17:15:00	17:20:00	00:05	62.9483333	-77.66	62.985	-77.7266667	Moving	12	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	17:20:00	17:25:00	00:05	62.9516667	-77.7266667	62.9535	-77.77	Moving	12	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	07:00:00	07:05:00	00:05	63.0533333	-83.5166667	63.0516667	-83.5533333	Moving	8	Clear or Partly Cloudy	None	Rough		Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	07:05:00	07:10:00	00:05	63.0516667	-83.5533333	63.0516667	-83.5883333	Moving	8	Clear or Partly Cloudy	None	Rough		Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	07:10:00	07:15:00	00:05	63.0516667	-83.5883333	63.0516667	-83.6183333	Moving	8	Clear or Partly Cloudy	None	Rough		Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	07:15:00	07:25:00	00:10	63.0516667	-83.6183333	63.0483333	-83.7	Moving	8	Clear or Partly Cloudy	None	Rough		Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	07:20:00	07:25:00	00:05	63.0516667	-83.6183333	63.0483333	-83.7	Moving	8	Clear or Partly Cloudy	None	Rough		Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	07:25:00	07:30:00	00:05	63.0483333	-83.7	63.0483333	-83.73	Moving	8	Clear or Partly Cloudy	None	Rough		Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	17:30:00	17:35:00	00:05	62.8216667	-88.0266667	62.8183333	-88.065	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Rough	2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	17:35:00	17:40:00	00:05	62.8183333	-88.065	62.815	-88.085	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Rough	2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	17:40:00	17:45:00	00:05	62.815	-88.085	62.8133333	-88.115	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Rough	2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	17:45:00	17:50:00	00:05	62.8133333	-88.115	62.8116667	-88.0516667	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Rough	2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	17:50:00	17:55:00	00:05	62.8116667	-88.1516667	62.8066667	-88.2116667	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Rough	2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	17:55:00	18:00:00	00:05	62.8066667	-88.2116667	62.8033333	-88.2433333	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Rough	2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	07:00:00	07:05:00	00:05	62.2016667	-84.6566667	62.1933333	-84.6066667	Moving	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	07:05:00	07:10:00	00:05	62.1933333	-84.6066667	62.185	-84.565	Moving	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	07:10:00	07:15:00	00:05	62.185	-84.565	62.1783333	-84.5266667	Moving	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	07:15:00	07:20:00	00:05	62.1783333	-84.5266667	62.1716667	-84.4916667	Moving	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	07:20:00	07:25:00	00:05	62.1716667	-84.4916667	62.1616667	-84.4383333	Moving	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	07:25:00	07:30:00	00:05	62.1616667	-84.4383333	62.155	-84.3983333	Moving	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	17:58:00	18:03:00	00:05	62.5683333	-79.045	62.5783333	-78.9633333	Moving	0.2	Fog	None	Rippled	0.1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	18:08:00	18:20:00	00:12	62.5783333	-78.955	62.5933333	-78.8466667	Moving	0.2	Fog	None	Rippled	0.1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	18:15:00	18:20:00	00:05	62.5933333	-78.8466667	62.5966667	-78.8166667	Moving	0.2	Fog	None	Rippled	0.1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	18:20:00	18:25:00	00:05	62.5966667	-78.8166667	62.6016667	-78.7733333	Moving	0.2	Fog	None	Rippled	0.1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	18:25:00	18:30:00	00:05	62.6016667	-78.7733333	62.61	-78.705	Moving	0.2	Fog	None	Rippled	0.1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	18:30:00	18:35:00	00:05	52.61	-78.705	62.615	-78.6466667	Moving	0.2	Fog	None	Rippled	0.1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	07:00:00	07:05:00	00:05	62.165	-71.8683333	62.1583333	-71.835	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Calm
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	07:05:00	07:10:00	00:05	62.1583333	-71.835	62.1516667	-71.795	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Calm
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	07:10:00	07:15:00	00:05	62.1516667	-71.795	63.0066667	-71.7516667	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Calm
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	07:15:00	07:20:00	00:05	62.14	-71.7516667	62.1316667	-71.7116667	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Calm
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	07:20:00	07:25:00	00:05	62.1316667	-71.7116667	62.1233333	-71.6683333	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Calm
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	07:25:00	07:30:00	00:05	62.1233333	-71.6683333	62.1166667	-71.6383333	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Calm
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	18:00:00	18:15:00	00:15	61.0216667	-66.9633333	61.0083333	-66.9083333	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	18:15:00	18:20:00	00:05	61.0083333	-66.9083333	61.0016667	-66.88	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	18:20:00	18:25:00	00:05	61.0016667	-66.88	60.99	-66.845	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	18:25:00	18:30:00	00:05	60.9916667	-66.845	60.9833333	-66.7083333	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	18:30:00	18:35:00	00:05	60.9833333	-66.8083333	66	-66.7833333	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	18:35:00	18:40:00	00:05	66	-66.7833333	60.97	-66.76	Moving	15	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	11:00:00	11:05:00	00:05	61.1	-63.9333333	61.0833333	-63.9666667	Moving	300	Fog	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	11:10:00	11:15:00	00:05	61.0833333	-63.9833333	61.0666667	-64	Moving	300	Fog	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	11:20:00	11:25:00	00:05	61.0666667	-64.0333333	61.0666667	-64.0666667	Moving	300	Fog	None	Rippled	1	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	11:30:00	11:35:00	00:05	61.0666667	-64.0833333	61.05	-64.1333333	Moving	300	Fog	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	11:40:00	11:45:00	00:05	61.05	-64.15	61.05	-64.1833333	Moving	300	Fog	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	11:50:00	11:55:00	00:05	61.05	-64.2166667	61.05	-64.25	Moving	300	Fog	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	13:00:00	13:05:00	00:05	61.1033333	-64.6695	61.04	-64.0716667	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	13:10:00	13:15:00	00:05	61.041	-64.8083333	61.0415	-64.785	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	13:20:00	13:25:00	00:05	61.0416667	-64.8063333	61.042	-64.8423333	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	13:30:00	13:35:00	00:05	61.0425	-64.8665	61.0433333	-64.8991667	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	13:35:00	13:45:00	00:10		-64.93	61.0436667	-64.9703333	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	13:50:00	13:55:00	00:05	61.0446667	-64.9983333	61.0413333	-65.0521667	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	11:00:00	11:05:00	00:05	62.75	-73.5	62.75	-77.5333333	Moving	20	Clear or Partly Cloudy	None	Slight	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	11:10:00	11:15:00	00:05	62.7666667	-73.5833333	62.7666667	-73.6166667	Moving	20	Clear or Partly Cloudy	None	Slight	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	11:20:00	11:25:00	00:05	62.7666667	-73.65	62.7666667	-73.6833333	Moving	20	Clear or Partly Cloudy	None	Slight	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	11:30:00	11:35:00	00:05	62.741	-73.7333333	62.7833333	-73.7666667	Moving	20	Clear or Partly Cloudy	None	Slight	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	11:40:00	11:45:00	00:05	62.7833333	-73.8	62.7833333	-73.8333333	Moving	20	Clear or Partly Cloudy	None	Slight	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	11:50:00	11:55:00	00:05	62.7833333	-73.8666667	62.7833333	-73.9	Moving	20	Clear or Partly Cloudy	None	Slight	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	16:00:00	16:05:00	00:05	62.8535	-75.6925	62.8553333	-75.761	Moving	7	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	16:10:00	16:15:00	00:05	62.8555	-75.7963333	62.8555	-75.8331667	Moving	7	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	16:20:00	16:25:00	00:05	62.8555	-75.8588333	62.8546667	-75.8983333	Moving	7	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	16:30:00	16:35:00	00:05	62.854	-75.9396667	62.853	-75.9683333	Moving	7	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	16:40:00	16:45:00	00:05	62.853	-76.0033333	62.8523333	-76.0526667	Moving	7	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	16:50:00	16:55:00	00:05	62.852	-76.0806667	62.8516667	-76.1146667	Moving	7	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/30/2025	11:00:00	11:05:00	00:05	61.9666667	-83.2666667	61.9666667	-83.3	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/30/2025	11:10:00	11:15:00	00:05	61.95	-83.3333333	61.95	-83.3666667	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/30/2025	11:20:00	11:25:00	00:05	61.95	-83.4	61.95	-83.45	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/30/2025	11:30:00	11:35:00	00:05	61.95	-83.4833333	61.95	-83.5166667	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/30/2025	11:40:00	11:45:00	00:05	61.95	-83.55	61.95	-83.5833333	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/30/2025	11:50:00	11:55:00	00:05	61.95	-83.6166667	61.95	-83.65	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/3/2025	16:00:00	16:05:00	00:05	62.0705	-85.1886667	62.0758333	-85.2483333	Moving	6	Cloudy	None	Moderate	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/3/2025	16:10:00	16:15:00	00:05	62.0778333	-85.2711667	62.0846667	-85.3463333	Moving	6	Cloudy	None	Moderate	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/3/2025	16:20:00	16:25:00	00:05	62.0851667	-85.351	62.0878333	-85.369	Moving	6	Cloudy	None	Moderate	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/3/2025	16:30:00	16:35:00	00:05	62.0906667	-85.4281667	62.0943333	-85.3483333	Moving	6	Cloudy	None	Moderate	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/3/2025	16:40:00	16:45:00	00:05	62.098	-85.4896667	62.0998333	-85.5098333	Moving	6	Cloudy	None	Moderate	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/3/2025	16:50:00	16:55:00	00:05	62.1006667	-85.5178333	62.1066667	-85.5831667	Moving	6	Cloudy	None	Moderate	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/4/2025	05:00:00	05:05:00	00:05	62.7566667	-92.0766667			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/4/2025	05:10:00	05:15:00	00:05	62.7566667	-92.0766667			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/4/2025	05:20:00	05:25:00	00:05	62.7566667	-92.0766667			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/4/2025	05:30:00	05:35:00	00:05	62.7566667	-92.0766667			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/4/2025	05:40:00	05:45:00	00:05	62.7566667	-92.0766667			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/4/2025	05:50:00	05:55:00	00:05	62.7566667	-92.0766667			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/5/2025	05:00:00	05:05:00	00:05	62.7566667	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/5/2025	05:10:00	05:15:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/5/2025	05:20:00	05:25:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/5/2025	05:30:00	05:35:00	00:05	62.7583333	-92.0783333	62.7583333	-92.0783333	Stationary	10	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/5/2025	05:50:00	05:55:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Moderate	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/6/2025	05:00:00	05:05:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/6/2025	05:10:00	05:15:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/6/2025	05:20:00	05:25:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/6/2025	05:30:00	05:35:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/6/2025	05:40:00	05:45:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/6/2025	05:50:00	05:55:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/7/2025	05:00:00	05:05:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/7/2025	05:10:00	05:15:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/7/2025	05:20:00	05:25:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/7/2025	05:30:00	05:35:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/7/2025	05:40:00	05:45:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/7/2025	05:50:00	05:55:00	00:05	62.7583333	-92.0783333			Stationary	10	Clear or Partly Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/8/2025	04:00:00	04:05:00	00:05	62.7766667	-92.095			Stationary	10	Cloudy	None	Rippled	1	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/8/2025	04:10:00	04:15:00	00:05	62.7766667	-92.095			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/8/2025	04:20:00	04:25:00	00:05	62.7766667	-92.095			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	08:15:00	08:20:00	00:05	60.8166667	-65.7166667	60.8166667	-65.7666667	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	08:25:00	08:30:00	00:05	60.8166667	-65.8	60.8166667	-65.8333333	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	08:35:00	08:40:00	00:05	60.8166667	-65.8666667	60.8166667	-65.9	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	08:45:00	08:50:00	00:05	60.8166667	-65.9333333	60.8166667	-65.9666667	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	08:55:00	09:00:00	00:05	60.8166667	-66	60.8166667	-66.0333333	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	09:05:00	09:10:00	00:05	60.8166667	-66.0666667	60.8333333	-66.1	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	16:00:00	16:05:00	00:05	61.245	-68.6433333	61.2633333	-68.7116667	Moving	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	16:10:00	16:15:00	00:05	61.27	-68.7366667	61.2816667	-69.0113333	Moving	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	16:20:00	16:25:00	00:05	61.285	-68.7933333	61.2916667	-68.825	Moving	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	16:30:00	16:35:00	00:05			61.31	-68.9083333	Moving	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	16:40:00	16:45:00	00:05	61.31	-68.925	61.3166667	-68.9583333	Moving	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	16:50:00	16:55:00	00:05	61.3233333	-68.9883333	61.3283333	-69.0216667	Moving	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	11:00:00	11:05:00	00:05	61.94	-72.2483333	61.94	-72.2483333	Stationary	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	11:10:00	11:15:00	00:05	61.94	-72.2483333	61.94	-72.2483333	Stationary	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	11:20:00	11:25:00	00:05	61.94	-72.2483333	61.94	-72.2483333	Stationary	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	11:30:00	11:35:00	00:05	61.94	-72.2483333	61.94	-72.2483333	Stationary	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	11:40:00	11:45:00	00:05	61.94	-72.2483333	61.94	-72.2483333	Stationary	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	11:50:00	11:55:00	00:05	61.94	-72.2483333	61.94	-72.2483333	Stationary	1	Fog	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	16:00:00	16:05:00	00:05	62.4	-72.6833333	62.4166667	-72.7333333	Moving	10	Fog		Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	16:10:00	16:15:00	00:05	62.4166667	-72.7666667	62.4333333	-72.7833333	Moving	10	Fog		Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	16:20:00	16:25:00	00:05	62.4333333	-72.8166667	62.45	-72.8333333	Moving	10	Fog		Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	16:30:00	16:35:00	00:05	62.45	-72.8666667	62.4666667	-72.9	Moving	10	Fog		Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	16:40:00	16:45:00	00:05	62.4666667	-72.9333333	62.4666667	-72.95	Moving	10	Fog		Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	16:50:00	16:55:00	00:05	62.4833333	-72.9833333	62.4833333	-73	Moving	10	Fog		Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	11:00:00	11:05:00	00:05	62.3166667	-80.9	62.3166667	-80.9066667	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	11:10:00	11:15:00	00:05	62.3	-80.9666667	62.3	-81	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	11:20:00	11:25:00	00:05			62.2833333	-81.0833333	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	11:30:00	11:40:00	00:10	62.2666667	-81.1166667	62.2666667	-82	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	11:40:00	11:45:00	00:05	62.25	-81.15	62.25	-81.2166667	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	11:50:00	11:55:00	00:05	62.2333333	-81.25	62.2333333	-81.2833333	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	16:00:00	16:15:00	00:15	61.91	-83.0783333	61.91	-83.1783333	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	16:10:00	16:15:00	00:05	61.91	-83.1866667	61.91	-83.2316667	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	16:20:00	16:25:00	00:05	61.91	-83.2833333	61.91	-83.31	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	16:30:00	16:35:00	00:05	61.9083333	-83.335	61.9083333	-83.4783333	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	16:40:00	16:45:00	00:05	61.9083333	-83.4233333	61.9083333	-83.465	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	16:50:00	16:55:00	00:05	61.908	-83.485	61.908	-83.5433333	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	11:00:00	11:05:00	00:05	63.3166667	-90.5333333	63.3166667	-90.55	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	11:10:00	11:15:00	00:05	63.3166667	-90.5666667	63.3333333	-90.6	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	11:20:00	11:25:00	00:05	63.3333333	-90.6	63.35	-90.6333333	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	11:30:00	11:35:00	00:05	63.35	-90.6333333	63.3666667	-90.65	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	11:40:00	11:45:00	00:05	63.3666667	-90.6666667	63.3833333	-90.6833333	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	11:50:00	11:55:00	00:05	63.3833333	-90.7	63.4	-90.7166667	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025								Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	16:00:00	16:05:00	00:05	63.7	-91.98	63.72	-82.0566667	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	16:10:00	16:15:00	00:05	63.72	-82.0883333	63.72	-82.13	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	16:20:00	16:25:00	00:05	63.72	-82.17	63.7366667	-92.1966667	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	16:30:00	16:35:00	00:05	63.7466667	-92.22	63.7583333	-92.26	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	16:40:00	16:45:00	00:05	63.75	-92.285	63.7516667	-92.3333333	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	16:50:00	16:55:00	00:05	63.0751667	-92.3633333	63.765	-92.3983333	Moving	5	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	04:00:00	04:05:00	00:05	63.925	-93.6183333			Stationary	7	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	04:10:00	04:15:00	00:05	63.925	-93.6183333			Stationary	7	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	04:10:00	04:15:00	00:05	63.925	-93.6183333			Stationary	7	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	04:20:00	04:25:00	00:05	63.925	-93.6183333			Stationary	7	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	04:30:00	04:35:00	00:05	63.925	-93.6183333			Stationary	7	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	04:35:00	04:45:00	00:10	63.925	-93.6183333			Stationary	7	Clear or Partly Cloudy	None	Rippled	1	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	04:50:00	04:55:00	00:05	63.925	-93.6183333			Stationary	7	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	04:00:00	04:05:00	00:05	63.925	-93.6166667			Stationary	5	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	04:10:00	04:15:00	00:05	63.925	-93.6183333			Stationary	5	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	04:20:00	04:25:00	00:05	63.925	-93.6183333			Stationary	5	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	04:30:00	04:35:00	00:05	63.925	-93.6183333			Stationary	5	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	04:40:00	04:45:00	00:05	63.925	-93.6183333			Stationary	5	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	04:50:00	04:55:00	00:05	63.925	-93.6183333			Stationary	5	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	04:00:00	04:05:00	00:05	63.925	-93.6183333			Stationary	10	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	04:20:00	04:25:00	00:05	63.925	-93.6183333			Stationary	10	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	04:10:00	04:15:00	00:05	63.925	-93.6183333			Stationary	10	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	10:20:00	10:25:00	00:05	60	-63.1366667	60.015	-63.1533333	Moving	5	Cloudy	None	Rough	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	10:30:00	10:35:00	00:05	60.0216667	-63.165	60.03	-63.1816667	Moving	5	Cloudy	None	Rough	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	10:40:00	10:45:00	00:05	60.0366667	-63.1966667	60.0433333	-63.2133333	Moving	5	Cloudy	None	Rough	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	10:50:00	10:55:00	00:05	60.0566667	-63.23	60.0633333	-63.2466667	Moving	5	Cloudy	None	Rough	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	11:00:00	11:05:00	00:05	60.0683333	-63.2633333	60.675	-63.27	Moving	5	Cloudy	None	Rough	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	11:10:00	11:15:00	00:05	60.0816667	-63.2816667	60.0866667	-63.295	Moving	5	Cloudy	None	Rough	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	16:00:00	16:05:00	00:05	60.5	-64.4833333	60.5166667	-64.5	Moving	12	Fog	None	Moderate	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	16:10:00	16:15:00	00:05	60.5166667	-64.5333333	63.1666667	-64.5666667	Moving	12	Fog	None	Moderate	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	16:20:00	16:25:00	00:05	60.5166667	-64.6	60.5166667	-64.6333333	Moving	12	Fog	None	Moderate	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	16:30:00	16:35:00	00:05	60.5166667	-64.6666667	63.1666667	-64.7	Moving	12	Fog	None	Moderate	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	16:35:00	16:45:00	00:10	60.5166667	-64.7333333	60.5333333	-64.7833333	Moving	12	Fog	None	Moderate	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	16:50:00	16:55:00	00:05	60.5333333	-64.8166667	61.5333333	-64.85	Moving	12	Fog	None	Moderate	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	11:00:00	11:05:00	00:05	62.19	-71.7383333	62.2016667	-71.775	Moving	5	Clear or Partly Cloudy	None	Wavelets	0	
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	11:10:00	11:15:00	00:05	62.21	-71.805	62.2216667	-71.8416667	Moving	5	Clear or Partly Cloudy	None	Wavelets	0	
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	11:20:00	11:25:00	00:05	62.23	-71.875	62.2416667	-71.8783333	Moving	5	Clear or Partly Cloudy	None	Wavelets	0	
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	11:30:00	11:35:00	00:05	62.2483333	-71.9366667	62.26	-71.9766667	Moving	5	Clear or Partly Cloudy	None	Wavelets	0	
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	11:40:00	11:45:00	00:05	62.2716667	-72.0166667	62.2816667	-72.05	Moving	5	Clear or Partly Cloudy	None	Wavelets	0	
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	11:50:00	11:55:00	00:05	62.29	-72.0716667	62.3016667	-72.1083333	Moving	5	Clear or Partly Cloudy	None	Wavelets	0	
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	16:00:00	16:05:00	00:05	62.7333333	-73.7833333	62.7333333	-73.8333333	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	16:10:00	16:15:00	00:05	62.7333333	-73.85	62.7333333	-73.8833333	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	16:20:00	16:25:00	00:05	62.75	-73.9166667	62.75	-73.95	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	16:30:00	16:35:00	00:05	62.75	-73.9833333	62.75	-74.0333333	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	16:40:00	16:45:00	00:05	62.7666667	-74.0666667	62.7666667	-74.001	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	16:50:00	16:55:00	00:05	62.7666667	-74.1166667	62.7666667	-74.15	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	09:00:00	09:05:00	00:05	62.2683333	-81.18	62.2583333	-81.22	Moving	5	Clear or Partly Cloudy	None	Rippled	0	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	09:10:00	09:15:00	00:05	62.2466667	-81.265	62.2466667	-81.28	Moving	5	Clear or Partly Cloudy	None	Rippled	0	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	09:20:00	09:25:00	00:05	62.2383333	-81.3166667	62.2316667	-81.35	Moving	5	Clear or Partly Cloudy	None	Rippled	0	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	09:30:00	09:35:00	00:05	62.2233333	-81.3883333	62.2166667	-81.42	Moving	5	Clear or Partly Cloudy	None	Rippled	0	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	09:40:00	09:45:00	00:05	62.2116667	-81.4383333	62.205	-81.4583333	Moving	5	Clear or Partly Cloudy	None	Rippled	0	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	09:50:00	09:55:00	00:05	62.1966667	-81.51	62.1883333	-81.55	Moving	5	Clear or Partly Cloudy	None	Rippled	0	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	16:00:00	16:05:00	00:05	61.9833333	-84.3333333	61.9833333	-84.3833333	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	16:10:00	16:15:00	00:05	62	-84.4166667		-84.45	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	16:20:00	16:25:00	00:05	62	-84.4833333	62	-84.5166667	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	16:30:00	16:35:00	00:05	62.0166667	-84.5666667	62.0166667	-84.5833333	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	16:40:00	16:45:00	00:05	62.0166667	-84.6333333	62.0166667	-84.6666667	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	16:50:00	16:55:00	00:05	62.0333333	-84.7166667	62.0333333	-84.7666667	Moving	20	Clear or Partly Cloudy	None	Rippled	4	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/11/2025	22:00:00	22:05:00	00:05	62.775	-92.0966667			Stationary		Cloudy	Slight/ Grey	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/11/2025	22:10:00	22:15:00	00:05	62.775	-92.0966667			Stationary		Cloudy	Slight/ Grey	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/11/2025	22:20:00	22:25:00	00:05	62.775	-92.0966667			Stationary		Cloudy	Slight/ Grey	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/11/2025	22:30:00	22:35:00	00:05	62.775	-92.0966667			Stationary		Cloudy	Slight/ Grey	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/11/2025	22:40:00	22:45:00	00:05	62.775	-92.0966667			Stationary		Cloudy	Slight/ Grey	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/11/2025	22:50:00	22:55:00	00:05	62.775	-92.0966667			Stationary		Cloudy	Slight/ Grey	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/12/2025	04:00:00	04:05:00	00:05	62.7733333	-92.0933333			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/12/2025	04:10:00	04:15:00	00:05	62.7733333	-92.0933333			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/12/2025	04:20:00	04:25:00	00:05	62.7733333	-92.0933333			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/12/2025	04:30:00	04:35:00	00:05	62.7733333	-92.0933333			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/12/2025	04:40:00	04:45:00	00:05	62.7733333	-92.0933333			Stationary	10	Cloudy	None	Rippled	1	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/12/2025	04:50:00	04:55:00	00:05	62.7733333	-92.0933333			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/13/2025	16:00:00	16:08:00	00:08	63.5	-90.9	63.5	-90.9333333	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/13/2025	16:10:00	16:15:00	00:05	63.5166667	-90.9666667	63.5166667	-90.9833333	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/13/2025	16:20:00	16:25:00	00:05	63.5166667	-91.0166667	63.5333333	-91.0333333	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/13/2025	16:30:00	16:35:00	00:05	63.55	-91.05	63.65	-91.0666667	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/13/2025	16:40:00	16:45:00	00:05	63.5833333	-91.0833333	63.5833333	-91.1	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/13/2025	16:50:00	16:55:00	00:05	63.5833333	-91.1333333	63.5833333	-91.1833333	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/14/2025	04:00:00	04:05:00	00:05	63.9183333	-93.6183333			Stationary	5	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/14/2025	04:10:00	04:15:00	00:05	63.9283333	-93.62			Stationary	5	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/14/2025	04:20:00	04:25:00	00:05	63.9283333	-93.62			Stationary	5	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/14/2025	04:30:00	04:35:00	00:05	63.9283333	-93.62			Stationary	5	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/14/2025	04:40:00	04:45:00	00:05	63.9283333	-93.62			Stationary	5	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/14/2025	04:50:00	04:55:00	00:05	63.9283333	-93.62			Stationary	5	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/14/2025								Stationary	5	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/15/2025	04:00:00	04:05:00	00:05	63.93	-93.62			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/15/2025	04:10:00	04:15:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/15/2025	04:20:00	04:25:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/15/2025	04:30:00	04:35:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/15/2025	04:40:00	04:45:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/15/2025	04:50:00	04:55:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/16/2025	04:00:00	04:05:00	00:05	63.93	-93.62			Stationary	10	Cloudy	Slight/ Grey	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/16/2025	04:10:00	04:15:00	00:05	63.93	-93.62			Stationary	10	Cloudy	Slight/ Grey	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/16/2025	04:20:00	04:25:00	00:05	63.93	-93.62			Stationary	10	Cloudy	Slight/ Grey	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/16/2025	04:30:00	04:35:00	00:05	63.93	-93.62			Stationary	10	Cloudy	Slight/ Grey	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/16/2025	04:40:00	04:45:00	00:05	63.93	-93.62			Stationary	10	Cloudy	Slight/ Grey	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/16/2025	04:50:00	04:55:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	Slight/ Grey	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/17/2025	04:00:00	04:05:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/17/2025	04:10:00	04:15:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/17/2025	04:20:00	04:25:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/17/2025	04:30:00	04:35:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/17/2025	04:40:00	04:45:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/17/2025	04:50:00	04:55:00	00:05	63.9283333	-93.62			Stationary	10	Cloudy	None	Rippled	1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/18/2025	04:00:00	04:05:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None			Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/18/2025	04:10:00	04:15:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None			Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/18/2025	04:20:00	04:25:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None			Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/18/2025	04:30:00	04:35:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None			Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/18/2025	04:40:00	04:45:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None			Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/18/2025	04:50:00	04:55:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None			Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/19/2025	04:00:00	04:05:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/19/2025	04:10:00	04:15:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/19/2025	04:20:00	04:25:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/19/2025	04:30:00	04:35:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/19/2025	04:40:00	04:45:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/19/2025	04:50:00	04:55:00	00:05	63.9283333	-93.562			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/20/2025	04:00:00	04:05:00	00:05	63.9283333	-93.62			Stationary	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/20/2025	04:10:00	04:15:00	00:05	63.9283333	-93.62			Stationary	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/20/2025	04:20:00	04:25:00	00:05	63.9283333	-93.62			Stationary	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/20/2025	04:30:00	04:35:00	00:05	63.9283333	-93.62			Stationary	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/20/2025	04:40:00	04:45:00	00:05	63.9283333	-93.62			Stationary	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/20/2025	04:50:00	04:55:00	00:05	63.9283333	-93.62			Stationary	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/21/2025	04:00:00	04:05:00	00:05	63.9283333	-93.62			Stationary	1	Cloudy	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/21/2025	04:10:00	04:15:00	00:05	63.9283333	-63.6216667			Stationary	1	Cloudy	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/21/2025	04:20:00	04:25:00	00:05	63.9283333	-93.6216667			Stationary	1	Cloudy	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/21/2025	04:30:00	04:35:00	00:05	63.9283333	-93.6216667			Stationary	1	Cloudy	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/21/2025	04:40:00	04:45:00	00:05	63.9283333	-93.6216667			Stationary	1	Cloudy	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/21/2025	04:50:00	04:55:00	00:05	63.9283333	-93.6216667			Stationary	1	Cloudy	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/22/2025	04:00:00	04:05:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/22/2025	04:10:00	04:15:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/22/2025	04:20:00	04:25:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/22/2025	04:30:00	04:35:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/22/2025	04:40:00	04:45:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/22/2025	04:50:00	04:55:00	00:05	63.9283333	-93.62			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/23/2025	04:00:00	04:05:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/23/2025	04:10:00	04:15:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/23/2025	04:20:00	04:25:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/23/2025	04:30:00	04:35:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/23/2025	04:40:00	04:45:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/23/2025	04:50:00	04:55:00	00:05	63.9283333	-93.6216667			Stationary	10	Clear or Partly Cloudy	None	Rippled	-1	Calm
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	11:00:00	11:05:00	00:05	63.1	-85.0666667	62.1	-85.0166667	Moving	20	Clear or Partly Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	11:10:00	11:15:00	00:05	62.1	-84.9833333	62.0833333	-84.9333333	Moving	20	Clear or Partly Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	11:20:00	11:25:00	00:05	62.0833333	-84.9	62.0833333	-84.8666667	Moving	20	Clear or Partly Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	11:30:00	11:35:00	00:05	62.0833333	-84.8166667	62.0666667	-84.7833333	Moving	20	Clear or Partly Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	11:40:00	11:45:00	00:05	62.0666667	-84.75	62.05	-84.7166667	Moving	20	Clear or Partly Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	11:50:00	11:55:00	00:05	62.05	-84.6666667	62.05	-84.6333333	Moving	20	Clear or Partly Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:00:00	16:05:00	00:05	61.9983333	-82.725	62	-82.6816667	Moving	5	Clear or Partly Cloudy	None	Rough	1.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:10:00	16:15:00	00:05	62.0066667	-82.635	62.01	-82.6033333	Moving	5	Clear or Partly Cloudy	None	Rough	1.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:20:00	16:25:00	00:05	62.0133333	-82.5716667	62.0183333	-82.5266667	Moving	5	Clear or Partly Cloudy	None	Rough	1.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:30:00	16:35:00	00:05	62.0216667	-82.4866667	62.025	-82.45	Moving	5	Clear or Partly Cloudy	None	Rough	1.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:40:00	16:45:00	00:05	62.0283333	-82.4166667	62.0316667	-82.3783333	Moving	5	Clear or Partly Cloudy	None	Rough	1.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:50:00	16:55:00	00:05	62.0383333	-82.3366667	62.0416667	-82.3033333	Moving	5	Clear or Partly Cloudy	None	Rough	1.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/25/2025	11:00:00	11:05:00	00:05	62.5833333	-73.1666667	62.5666667	-73.1333333	Moving	9	Fog	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/25/2025	11:10:00	11:15:00	00:05	62.5666667	-73.0833333	62.55	-73.05	Moving	9	Fog	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/25/2025	11:20:00	11:25:00	00:05	62.55	-73.0166667	62.5333333	-72.9833333	Moving	9	Fog	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/25/2025	11:30:00	11:35:00	00:05	62.5166667	-72.9333333	62.5166667	-72.9	Moving	9	Fog	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/25/2025	11:40:00	11:45:00	00:05	62.5	-72.8666667	62.5	-72.8333333	Moving	9	Fog	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/25/2025	11:50:00	11:55:00	00:05	62.4833333	-72.8	62.4833333	-72.7666667	Moving	9	Fog	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:00:00	16:05:00	00:05	61.9816667	-71	61.965	-70.9966667	Moving	5	Fog	None	Rough	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:10:00	16:15:00	00:05	61.9533333	-70.95		-70.9266667	Moving	5	Fog	None	Rough	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:20:00	16:25:00	00:05	61.93	-70.895	61.9183333	-70.86	Moving	5	Fog	None	Rough	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:30:00	16:35:00	00:05	61.9033333	-70.82	61.8933333	-70.795	Moving	5	Fog	None	Rough	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:40:00	16:45:00	00:05	61.88	-70.7583333	61.865	-70.7166667	Moving	5	Fog	None	Rough	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	16:50:00	16:55:00	00:05	61.8566667	-70.69	61.845	-70.6516667	Moving	5	Fog	None	Rough	2	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/26/2025	10:00:00	10:05:00	00:05	60.2	-63.6	60.2	-63.5833333	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/26/2025	10:10:00	10:15:00	00:05	60.1833333	-63.5666667	60.1666667	-63.5333333	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/26/2025	10:20:00	10:25:00	00:05	60.1833333	-63.5166667	60.1666667	-63.5	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/26/2025	10:30:00	10:35:00	00:05	60.1666667	-63.4833333	60.15	-63.4166667	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/26/2025	10:40:00	10:45:00	00:05	60.15	-63.45	60.15	-63.4166667	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/26/2025	10:50:00	10:55:00	00:05	60.1333333	-63.4	60.1333333	-63.3833333	Moving	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/14/2025	19:00:00	19:05:00	00:05	60.3766667	-64.0333333	60.3833333	-64.1166667	Stationary	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/14/2025	19:10:00	19:15:00	00:05	60.4	-64.1666667	60.4	-64.2	Stationary	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/14/2025	19:20:00	19:25:00	00:05	62.8333333	-64.2166667	60.4333333	-63.2666667	Stationary	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/14/2025	19:30:00	19:35:00	00:05	60.45	-64.3	60.4666667	-64.35	Stationary	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/14/2025	19:40:00	19:45:00	00:05	60.4833333	-64.3833333	60.4833333	-64.45	Stationary	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/14/2025	19:50:00	19:55:00	00:05	60.5	-64.4166667	60.5166667	-64.45	Stationary	20	Clear or Partly Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/15/2025	19:00:00	19:05:00	00:05	62.5683333	-72.9166667	62.5666667	-78.95	Moving	20	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/15/2025	19:10:00	19:15:00	00:05	62.5666667	-72.9833333	62.5666667	-73.0333333	Moving	20	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/15/2025	19:20:00	19:25:00	00:05	62.5833333	-73.0666667	62.5833333	-73.1	Moving	20	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/15/2025	19:30:00	19:35:00	00:05	62.5833333	-73.1333333	62.6	-73.1833333	Moving	20	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/15/2025	19:40:00	19:45:00	00:05	62.6	-73.2166667	62.6	-73.25	Moving	20	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/15/2025	19:50:00	19:55:00	00:05	62.6166667	-73.2833333	62.6166667	-73.3333333	Moving	20	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/15/2025								Moving	20	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	08:00:00	08:05:00	00:05	62.97	-78.6533333	63	-78.7066667	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	08:10:00	08:15:00	00:05	63.01	-78.7366667	62.98	-78.775	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	08:20:00	08:25:00	00:05	62.9833333	-78.8183333	62.9866667	-78.8616667	Moving	5	Cloudy	None	Slight	0.5	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	08:30:00	08:35:00	00:05	62.99	-78.8916667	62.9933333	-78.935	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	08:40:00	08:45:00	00:05	62.9966667	-78.975	63	-79.0066667	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	08:50:00	08:55:00	00:05	63.0033333	-79.05	63.005	-79.085	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	11:00:00	11:05:00	00:05	63.0733333	-80.065	63.0766667	-80.1116667	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	11:10:00	11:15:00	00:05	63.0783333	-81	63.0816667	-80.1883333	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	11:20:00	11:25:00	00:05	63.085	-80.2133333	63.09	-80.255	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	11:30:00	11:35:00	00:05	63.0933333	-80.2983333	63.0966667	-80.3216667	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	11:40:00	11:45:00	00:05	63.1	-80.3433333	63.1033333	-80.4116667	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	11:50:00	11:55:00	00:05	63.105	-80.4483333	63.1083333	-80.4866667	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	13:00:00	13:05:00	00:05	63.15	-81.0166667	63.15	-81.05	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	13:10:00	13:15:00	00:05	63.15	-81.0833333	63.15	-81.1166667	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	13:20:00	13:25:00	00:05	63.1666667	-81.1666667	63.1666667	-81.2	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	13:30:00	13:35:00	00:05	63.1666667	-81.25	63.1666667	-81.2833333	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	13:40:00	13:45:00	00:05	63.1666667	-81.3166667	63.1666667	-89.3666667	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	13:50:00	13:55:00	00:05	63.1833333	-84.4	63.1833333	-81.45	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	16:00:00	16:05:00	00:05					Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	16:10:00	16:15:00	00:05			63.25	-82.5166667	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	16:20:00	16:25:00	00:05	63.1666667	-82.5666667	63.25	-82.6166667	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	16:30:00	16:35:00	00:05	63.2666667	-82.65	63.2666667	-82.6833333	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	16:40:00	16:45:00	00:05	63.2666667	-82.7166667	63.25	-82.75	Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	16:50:00	16:55:00	00:05	63.25	-82.7833333			Moving	20	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/17/2025	10:00:00	10:05:00	00:05	62.635	-90.0683333	62.6333333	-90.1033333	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/17/2025	10:10:00	10:15:00	00:05	62.63	-90.1433333	62.6266667	-90.1766667	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/17/2025	10:20:00	10:25:00	00:05	62.625	-90.2083333	62.62	-90.2533333	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/17/2025	10:30:00	10:35:00	00:05	62.6183333	-90.2845	62.615	-90.33	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/17/2025	10:40:00	10:45:00	00:05	62.6133333	-90.365	62.6116667	-90.4016667	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/17/2025	10:50:00	10:55:00	00:05	62.61	-90.435	62.6066667	-90.48	Moving	5	Cloudy	None	Slight	0.5	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/18/2025	04:00:00	04:05:00	00:05	62.775	-92.0916667			Stationary	0	Fog	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/18/2025	04:10:00	04:15:00	00:05	62.775	-92.0883333			Stationary	0	Fog	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/18/2025	04:20:00	04:25:00	00:05	62.775	-92.0883333			Stationary	0	Fog	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/18/2025	04:30:00	04:35:00	00:05	62.775	-92.0883333			Stationary	0	Fog	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/18/2025	04:40:00	04:45:00	00:05	62.775	-92.0883333			Stationary	0	Fog	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/18/2025	04:50:00	04:55:00	00:05	62.775	-92.09			Stationary	0	Fog	Slight/ Grey	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/19/2025	04:00:00	04:05:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/19/2025	04:10:00	04:15:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/19/2025	04:20:00	04:25:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/19/2025	04:20:00	04:25:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/19/2025	04:30:00	04:35:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/19/2025	04:40:00	04:45:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/19/2025	04:50:00	04:55:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Rippled	-1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/20/2025	04:00:00	04:05:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/20/2025	04:10:00	04:15:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/20/2025	04:20:00	04:25:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/20/2025	04:30:00	04:35:00	00:05	65.8083333	-92.09			Stationary	10	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/20/2025	04:40:00	04:45:00	00:05	62.775	-62.09			Stationary	10	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/20/2025	04:50:00	04:55:00	00:05	62.775	-92.09			Stationary	10	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/21/2025	04:00:00	04:05:00	00:05	62.775	-92.09			Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/21/2025	04:10:00	04:15:00	00:05	62.775	-92.09			Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	1	Light Wind
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/21/2025	04:20:00	04:25:00	00:05	62.775	-92.09			Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	1	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	13:40:00	13:45:00	00:05	63.7166667	-91.9511667	63.75	-91.9671667	Moving	20	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	13:45:00	13:50:00	00:05	63.7166667	-91.9671667	63.7166667	-92.0003333	Moving	20	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	13:50:00	13:55:00	00:05	63.7166667	-92.0003333	63.7168333	-92.0343333	Moving	20	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	13:55:00	14:00:00	00:05	63.905	-92.0343333	63.7168333	-92.118	Moving	20	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	14:00:00	14:05:00	00:05	63.7168333	-92.118	63.7231667	-92.1525	Moving	20	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	14:05:00	14:10:00	00:05	63.7223333	-92.118	63.718	-92.1676667	Moving	20	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	18:30:00	18:35:00	00:05	63.9345	-93.5845	63.9345	-93.5845	Stationary	20	Cloudy		Wavelets	0.2	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	18:35:00	18:40:00	00:05	63.9345	-93.5845	63.9345	-93.5845	Stationary	20	Cloudy		Wavelets	0.2	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Coastal Shipping Ltd	TUVAQ W	7/23/2025	18:40:00	18:45:00	00:05	63.9345	-93.5845	63.9345	-93.5845	Stationary	20	Cloudy		Wavelets	0.2	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	18:45:00	18:50:00	00:05	63.9345	-93.5845	63.9345	-93.5845	Stationary	20	Cloudy		Wavelets	0.2	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	18:50:00	18:55:00	00:05	63.9345	-93.5845	63.9345	-93.5845	Stationary	20	Cloudy		Wavelets	0.2	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	18:55:00	19:00:00	00:05	63.6011667	-93.5845	63.9345	-93.5845	Stationary	20	Cloudy		Wavelets	0.2	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	11:20:00	11:25:00	00:05	64.1168333	-94.5333333	64.1168333	-94.5333333	Moving	20	Cloudy		Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	11:25:00	11:30:00	00:05	64.1168333	-94.5341667	64.1168333	-94.5341667	Moving	20	Cloudy		Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	11:30:00	11:35:00	00:05	64.1168333	-94.5341667	64.1168333	-94.5341667	Moving	20	Cloudy		Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	11:35:00	11:40:00	00:05	64.1168333	-94.5341667		-94.5341667	Moving	20	Cloudy		Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	11:40:00	11:45:00	00:05	64.1168333	-94.5341667	64.1168333	-94.5341667	Moving	20	Cloudy		Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	7/23/2025	11:45:00	11:50:00	00:05	64.117	-94.618	64.117	-94.5515	Moving	20	Cloudy		Wavelets	0.3	Light Wind
Coastal Shipping Ltd	TUVAQ W	8/9/2025	13:30:00	13:35:00	00:05	64.1333333	-94.6678333	64.1338333	-94.7013333	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	0	Light Wind
Coastal Shipping Ltd	TUVAQ W	8/9/2025	13:35:00	13:40:00	00:05	64.1338333	-94.7013333	64.1341667	-94.75	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	0	Light Wind
Coastal Shipping Ltd	TUVAQ W	8/9/2025	13:40:00	13:45:00	00:05	64.1341667	-94.75	64.1346667	-94.7836667	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	0	Light Wind
Coastal Shipping Ltd	TUVAQ W	8/9/2025	13:45:00	13:50:00	00:05	64.1346667	-94.7836667	64.1513333	-94.8173333	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	0	Light Wind
Coastal Shipping Ltd	TUVAQ W	8/9/2025	13:50:00	13:55:00	00:05	64.1513333	-94.8173333	64.1505	-94.8508333	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	0	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	7/21/2025	16:00:00	17:00:00	01:00	62.5233333	-91.1503333	62.484	-91.3003333	Moving	16	Cloudy	None	Wavelets	0.3	Calm
Coastal Shipping Ltd	QIKIQTAALUK W	7/22/2025	16:00:00	17:00:00	01:00					Stationary	10	Medium to Heavy Rain	None	Rough	2	Strong Wind
Coastal Shipping Ltd	QIKIQTAALUK W	7/22/2025	18:00:00	19:00:00	01:00	62.7506667	-91.9835	62.6681667	-91.5333333	Moving	15	Clear or Partly Cloudy	None	Wavelets	0.1	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	7/26/2025	14:30:00	15:30:00	01:00	62.5013333	-91.1506667	62.6178333	-91.1346667	Moving	15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	7/31/2025	14:00:00	15:00:00	01:00	63.1013333	-90.3338333	63.2513333	-90.4338333	Moving	20	Clear or Partly Cloudy	None	Slight	0.25	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	8/1/2025	12:00:00	13:00:00	01:00	63.934	-93.6338333	63.934	-93.6338333	Stationary	10	Clear or Partly Cloudy	Bright on Observer's Side	Slight	1	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	8/6/2025	18:00:00	19:00:00	01:00	63.951	-93.2511667	63.951	-93.4178333	Moving	15	Clear or Partly Cloudy	Slight/ Grey	Slight	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	11:30:00	11:35:00	00:05	61.5001667	-62.2666667	61.5001667	-62.2846667	Moving	4	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	11:35:00	11:40:00	00:05	61.5001667	-62.2846667	61.5001667	-62.318	Moving	4	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	11:40:00	11:45:00	00:05	61.5001667	-62.318	61.5	-62.3511667	Moving	4	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	11:45:00	11:50:00	00:05	61.5	-62.3511667	61.4848333	-62.3845	Moving	4	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	11:50:00	11:55:00	00:05	61.4848333	-62.3845	61.4846667	-62.4178333	Moving	4	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	11:55:00	12:00:00	00:05	61.4846667	-62.4178333	61.4845	-62.451	Moving	4	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	16:30:00	16:35:00	00:05	61.168	-64.2175	61.1673333	-64.2506667	Moving	5	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	16:35:00	16:40:00	00:05	61.1673333	-64.2506667	61.1515	-64.284	Moving	5	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	16:40:00	16:45:00	00:05	61.1515	-64.284	61.1506667	-64.317	Moving	5	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	16:45:00	16:50:00	00:05	61.134	-64.317	61.1348333	-64.35	Moving	5	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	16:50:00	16:55:00	00:05	61.1348333	-64.35	61.1336667	-64.3681667	Moving	5	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	16:55:00	17:00:00	00:05	61.1336667	-64.3681667	61.1175	-64.4166667	Moving	5	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	19:27:00	19:32:00	00:05	61.0168333	-64.9008333	61.0171667	-64.9168333	Moving	0.1	Fog		Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	19:34:00	19:39:00	00:05	61.0171667	-64.917	61.0173333	-64.9011667	Moving	0.1	Fog		Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	19:41:00	19:46:00	00:05	61.0173333	-64.901	61.0173333	-64.9003333	Moving	0.1	Fog		Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	19:47:00	19:52:00	00:05	61.0173333	-64.9003333	61.0173333	-64.9	Moving	0.1	Fog		Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	19:53:00	19:58:00	00:05	61.0173333	-64.9	61.0175	-64.9	Moving	0.1	Fog		Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	20:00:00	20:05:00	00:05	61.0175	-64.9001667	61.0175	-64.9001667	Moving	0.1	Fog		Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	08:16:00	08:21:00	00:05	60.9845	-64.6508333	60.9845	-64.4846667	Stationary	0.1	Fog	None	Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	08:22:00	08:27:00	00:05	60.9846667	-64.6515	60.9848333	-64.6668333	Stationary	0.1	Fog	None	Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	08:30:00	08:35:00	00:05	61	-64.6675	61	-64.6676667	Stationary	0.1	Fog	None	Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	08:37:00	08:42:00	00:05	61.0001667	-64.6678333	61.0003333	-64.6681667	Stationary	0.1	Fog	None	Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	08:44:00	08:49:00	00:05	61.0005	-64.6833333	61.0006667	-64.6836667	Stationary	0.1	Fog	None	Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	08:51:00	08:56:00	00:05	61.0008333	-64.6838333	61.001	-64.6841667	Stationary	0.1	Fog	None	Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	16:30:00	16:35:00	00:05	61.034	-64.5173333	61.034	-64.5171667	Stationary	0.5	Fog			0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	16:36:00	16:41:00	00:05	61.0338333	-64.5171667	61.0338333	-64.517	Stationary	0.5	Fog			0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	16:42:00	16:47:00	00:05	61.0338333	-64.517	61.0338333	-64.5168333	Stationary	0.5	Fog			0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	16:48:00	16:53:00	00:05	61.0338333	-64.5168333	61.0336667	-64.5166667	Stationary	0.5	Fog			0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	16:54:00	16:59:00	00:05	61.0336667	-64.5166667		-64.5015	Stationary	0.5	Fog			0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	17:00:00	17:05:00	00:05	61.0336667	-64.5015	61.0335	-64.5015	Stationary	0.5	Fog			0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	19:30:00	19:35:00	00:05	61.0005	-64.6011667	61.0005	-64.6011667	Stationary	0.1	Fog	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	19:36:00	19:41:00	00:05	61.0005	-64.6015	61.0003333	-64.6168333	Stationary	0.1	Fog	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	19:42:00	19:47:00	00:05	61.0005	-64.6168333	61.0003333	-64.6173333	Stationary	0.1	Fog	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	19:48:00	19:53:00	00:05	61.0003333	-64.6173333	61.0001667	-64.618	Stationary	0.1	Fog	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	19:54:00	19:59:00	00:05	61.0001667	-64.618	61	-64.6335	Stationary	0.1	Fog	None	Rippled	0.5	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	20:00:00	20:05:00	00:05	61	-64.6335	61	-64.634	Stationary	0.1	Fog	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	11:30:00	11:35:00	00:05	60.767	-66.2008333	60.751	-66.2181667	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	11:35:00	11:40:00	00:05	60.751	-66.2181667	60.7503333	-66.2506667	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	11:40:00	11:45:00	00:05	60.7503333	-66.2506667	60.75	-66.2835	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	11:45:00	11:50:00	00:05	60.75	-66.2835	60.75	-66.3011667	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	11:50:00	11:55:00	00:05	60.75	-66.3011667	60.75	-66.3345	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	11:55:00	12:00:00	00:05	60.75	-66.3345	60.7501667	-66.3681667	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	16:30:00	16:35:00	00:05	61.1336667	-67.7681667	61.1501667	-67.7848333	Moving	9	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	16:35:00	16:40:00	00:05	61.1501667	-67.7848333	61.1513333	-67.817	Moving	9	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	16:40:00	16:45:00	00:05	61.1513333	-67.817	61.1673333	-67.8346667	Moving	9	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	16:45:00	16:50:00	00:05		-67.8346667	61.1681667	-67.8673333	Moving	9	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	16:50:00	16:55:00	00:05	61.1681667	-67.8673333	61.1841667	-67.9001667	Moving	9	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	16:55:00	17:00:00	00:05	61.1841667	-67.9001667	61.2	-67.9176667	Moving	9	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	19:28:00	19:33:00	00:05	61.4335	-68.8175	61.4343333	-68.8348333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	19:34:00	19:39:00	00:05	61.4348333	-68.851	61.4506667	-68.8835	Moving	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	19:41:00	19:46:00	00:05	61.4508333	-68.884	61.467	-68.9173333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	19:48:00	19:53:00	00:05	61.4671667	-68.918	61.4833333	-68.951	Moving	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	19:54:00	19:59:00	00:05	61.4835	-68.9515	61.4846667	-68.9848333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	20:00:00	20:05:00	00:05	61.4848333	-69.0003333	61.334	-69.0176667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	11:20:00	11:35:00	00:15	62.9846667	-74.751	62.9845	-74.8005	Moving	12	Clear or Partly Cloudy		Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	11:36:00	11:41:00	00:05	62.9843333	-74.8015	62.9843333	-74.834	Moving	12	Clear or Partly Cloudy		Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	11:42:00	11:47:00	00:05	62.9843333	-74.8348333	62.9845	-74.884	Moving	12	Clear or Partly Cloudy		Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	11:48:00	11:53:00	00:05	62.9845	-74.8843333	62.9845	-74.8843333	Moving	12	Clear or Partly Cloudy		Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	11:54:00	11:59:00	00:05	62.9845	-94.9335	62.9846667	-74.9678333	Moving	12	Clear or Partly Cloudy		Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	12:00:00	12:05:00	00:05	62.9846667	-74.9833333	62.9848333	-75.0171667	Moving	12	Clear or Partly Cloudy		Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	16:30:00	16:35:00	00:05	62.9846667	-77.1515	62.9846667	-77.1845	Moving	1	Fog		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	16:36:00	16:41:00	00:05	62.9846667	-77.2	62.9846667	-77.2335	Moving	1	Fog		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	16:42:00	16:47:00	00:05	62.9846667	-77.2338333	62.9846667	-77.2676667	Moving	1	Fog		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	16:48:00	16:53:00	00:05	62.9846667	-77.2833333	62.9846667	-77.3166667	Moving	1	Fog		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	16:54:00	16:59:00	00:05	62.9846667	-77.3171667	62.9846667	-77.3505	Moving	1	Fog		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	17:00:00	17:05:00	00:05	62.9846667	-77.3515	62.9846667	-77.3843333	Moving	1	Fog		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	19:15:00	19:20:00	00:05	62.9171667	-78.1666667	62.9168333	-78.1845	Moving	0.1	Fog	None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	19:22:00	19:27:00	00:05	62.9168333	-78.2001667	62.9015	-78.218	Moving	0.1	Fog	None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	19:29:00	19:34:00	00:05	62.9013333	-78.2341667	62.901	-78.267	Moving	0.1	Fog	None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	19:35:00	19:40:00	00:05	62.9008333	-78.2675	62.9005	-78.3003333	Moving	0.1	Fog	None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	19:41:00	19:46:00	00:05	62.9003333	-78.301	62.8848333	-78.3338333	Moving	0.1	Fog	None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	19:47:00	19:52:00	00:05	62.8848333	-78.3343333	62.8843333	-78.3675	Moving	0.1	Fog	None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	08:45:00	08:50:00	00:05	61.9013333	-82.6335	61.9013333	-82.6681667	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	08:50:00	08:55:00	00:05	61.9013333	-82.6673333	61.9015	-82.7011667	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	08:55:00	09:00:00	00:05	61.9015	-82.7011667	61.9015	-82.7341667	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	09:00:00	09:05:00	00:05	61.9015	-82.7341667	61.9015	-82.7681667	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	09:05:00	09:10:00	00:05			61.9166667	-82.8015	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	09:10:00	09:15:00	00:05	61.9166667	-82.8015	61.9166667	-82.8348333	Moving	6	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	15:50:00	15:55:00	00:05	62.0671667	-85.5015	62.0676667	-85.5508333	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	15:55:00	16:00:00	00:05	62.067	-85.5841667	62.0678333	-85.584	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	16:00:00	16:05:00	00:05	62.0678333	-85.584	62.0833333	-85.6176667	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	16:05:00	16:10:00	00:05	62.0833333	-85.6176667	62.0836667	-85.6671667	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	16:10:00	16:15:00	00:05	62.0836667	-85.6671667	62.084	-85.7006667	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	16:15:00	16:20:00	00:05	62.084	-85.7006667	62.0843333	-85.7338333	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	19:13:00	19:18:00	00:05	62.2006667	-86.9841667	62.201	-87.001	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	19:19:00	19:24:00	00:05	62.201	-87.0166667	62.2015	-87.0515	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	19:25:00	19:30:00	00:05	62.2166667	-87.0671667	62.217	-87.1006667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	19:32:00	19:37:00	00:05	62.2171667	-87.1175	62.2175	-87.1508333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	19:38:00	19:43:00	00:05	62.2176667	-87.1668333	62.218	-87.2001667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	19:44:00	19:49:00	00:05	62.2181667	-87.2013333	62.2335	-87.234	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	08:00:00	08:05:00	00:05	62.6008333	-90.9678333	62.6008333	-90.968	Stationary	0.1	Fog	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	08:06:00	08:11:00	00:05	62.6008333	-90.9681667	62.6008333	-90.9833333	Stationary	0.1	Fog	None	Rippled	0.3	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	08:12:00	08:17:00	00:05	62.6008333	-90.9835	62.6008333	-90.9836667	Stationary	0.1	Fog	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	08:18:00	08:23:00	00:05	62.6008333	-90.9838333	62.6008333	-90.9841667	Stationary	0.1	Fog	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	08:26:00	08:31:00	00:05	62.6008333	-90.9841667	62.6008333	-90.9845	Stationary	0.1	Fog	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	08:32:00	08:37:00	00:05	62.6008333	-90.9846667	62.6008333	-90.9848333	Stationary	0.1	Fog	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	16:48:00	16:53:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12		None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	16:55:00	17:00:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12		None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	17:01:00	17:06:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12		None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	16:30:00	16:35:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12		None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	16:36:00	16:41:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12		None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	16:42:00	16:47:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12		None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	22:15:00	22:20:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	22:21:00	22:26:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	22:27:00	22:32:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	22:33:00	22:38:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	22:40:00	22:45:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/30/2025	22:47:00	22:53:00	00:06	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	04:40:00	04:45:00	00:05	62.7678333	-92.0845	62.7678333	-92.0845	Stationary	6	Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	04:46:00	04:51:00	00:05	62.7678333	-92.0843333	62.7678333	-92.0843333	Stationary	6	Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	04:52:00	04:57:00	00:05	62.7678333	-92.0843333	62.7678333	-92.0843333	Stationary	6	Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	04:59:00	05:04:00	00:05	62.7678333	-92.0843333	62.7678333	-92.0843333	Stationary	6	Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	05:05:00	05:10:00	00:05	62.7678333	-92.0843333	62.7678333	-92.0843333	Stationary	6	Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	05:11:00	05:16:00	00:05	62.7678333	-92.0843333	62.7678333	-92.0843333	Stationary	6	Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	14:00:00	14:05:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	14:06:00	14:11:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	14:12:00	14:17:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	14:18:00	14:23:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	14:25:00	14:30:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	14:31:00	14:36:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	22:00:00	22:05:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	22:06:00	22:11:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	22:13:00	22:18:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	22:19:00	22:24:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	22:25:00	22:30:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	22:31:00	22:36:00	00:05	62.7678333	-92.0846667	62.7678333	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	04:20:00	04:25:00	00:05	62.7676667	-92.0843333	62.7676667	-92.0843333	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	04:26:00	04:31:00	00:05	62.7676667	-92.0843333	62.7676667	-92.0843333	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	04:32:00	04:37:00	00:05	62.7676667	-92.0843333	62.7676667	-92.0843333	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	04:28:00	04:43:00	00:15	62.7676667	-92.0843333	62.7676667	-92.0843333	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	04:44:00	04:49:00	00:05	62.7676667	-92.0843333	62.7676667	-92.0843333	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	04:50:00	04:55:00	00:05	62.7676667	-92.0843333	62.7676667	-92.0843333	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	14:00:00	14:05:00	00:05	62.7678333	-92.084	62.7678333	-92.084	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	14:06:00	14:11:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	14:12:00	14:17:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	14:18:00	14:23:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	14:25:00	14:30:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	14:31:00	14:36:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy		Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	22:01:00	22:06:00	00:05	62.7678333	-92.0841667	62.7678333	-92.0841667	Stationary	12	Cloudy	None	Rippled	0.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	22:07:00	22:12:00	00:05	62.7678333	-92.0841667	62.7678333	-92.0841667	Stationary	12	Cloudy	None	Rippled	0.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	22:13:00	22:18:00	00:05	62.7678333	-92.0841667	62.7678333	-92.0841667	Stationary	12	Cloudy	None	Rippled	0.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	22:19:00	22:24:00	00:05	62.7678333	-92.0841667	62.7678333	-92.0841667	Stationary	12	Cloudy	None	Rippled	0.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	22:25:00	22:30:00	00:05	62.7678333	-92.0841667	62.7678333	-92.0841667	Stationary	12	Cloudy	None	Rippled	0.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	22:31:00	22:36:00	00:05	62.7678333	-92.0841667	62.7678333	-92.0841667	Stationary	12	Cloudy	None	Rippled	0.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	04:20:00	04:25:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	04:26:00	04:31:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	04:32:00	04:37:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	04:38:00	04:43:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	04:44:00	04:49:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	04:50:00	04:55:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	14:00:00	14:05:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	14:06:00	14:11:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	14:12:00	14:17:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	14:18:00	14:23:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	14:25:00	14:30:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	14:31:00	14:36:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	22:03:00	22:08:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	22:09:00	22:14:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	22:15:00	22:20:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	22:21:00	22:26:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	22:27:00	22:32:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	22:34:00	22:39:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	04:30:00	04:35:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	04:36:00	04:41:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	04:42:00	04:47:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	04:48:00	04:53:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	04:54:00	04:59:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	05:00:00	05:05:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	14:01:00	14:06:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.8	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	14:07:00	14:12:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.8	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	14:13:00	14:18:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.8	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	14:19:00	14:24:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.8	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	14:25:00	14:30:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.8	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	14:35:00	14:40:00	00:05	62.7676667	-92.0846667	62.7676667	-92.0846667	Stationary	12	Cloudy	None	Rippled	0.8	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	21:59:00	22:04:00	00:05	62.7675	-92.0845	62.7675	-92.0845	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	22:05:00	22:10:00	00:05	62.7675	-92.0845	62.7675	-92.0845	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	22:11:00	22:16:00	00:05	62.7675	-92.0845	62.7675	-92.0845	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	22:17:00	22:22:00	00:05	62.7675	-92.0845	62.7675	-92.0845	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	22:23:00	22:28:00	00:05		-92.0845	62.7675	-92.0845	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/4/2025	22:29:00	22:34:00	00:05	62.7675	-92.0845	62.7675	-92.0845	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	04:30:00	04:35:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	04:36:00	04:41:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	04:42:00	04:47:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	04:48:00	04:53:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	04:54:00	04:59:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	05:00:00	05:05:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	18:00:00	18:05:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.4	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	18:06:00	18:11:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.4	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	18:12:00	18:17:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.4	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	18:18:00	18:23:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.4	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	18:24:00	18:29:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.4	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	18:30:00	18:35:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.4	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	22:45:00	22:50:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	22:51:00	22:56:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	22:57:00	23:02:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	22:03:00	22:08:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	23:09:00	23:14:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	23:15:00	23:20:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	04:10:00	04:15:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	04:16:00	04:21:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	04:22:00	04:27:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	04:29:00	04:34:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	04:35:00	04:40:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	04:41:00	04:46:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	14:02:00	14:07:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	14:08:00	14:13:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	1	Strong Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	14:14:00	14:19:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	14:20:00	14:25:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	14:26:00	14:31:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	14:32:00	14:37:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	22:00:00	22:05:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	22:06:00	22:11:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	22:12:00	22:17:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	22:18:00	22:23:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	22:24:00	22:29:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	22:30:00	22:35:00	00:05	62.7675	-92.084	62.7675	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	19:20:00	19:25:00	00:05	62.4676667	-89.6681667	62.451	-89.6681667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	19:26:00	19:31:00	00:05	62.4671667	-89.634	62.4668333	-89.5848333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	19:32:00	19:37:00	00:05	62.4666667	-89.5838333	62.4513333	-89.5346667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	19:38:00	19:43:00	00:05	62.4513333	-89.5338333	62.451	-89.5003333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	19:44:00	19:49:00	00:05	62.4508333	-89.4845	62.4505	-89.4501667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	19:50:00	19:55:00	00:05	62.4503333	-78.4345	62.4348333	-89.4166667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS		11:30:00	11:35:00		62.1678333	-81.8845	62.1843333	-81.8506667	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS		11:35:00	11:40:00		62.1843333	-81.8506667	62.2005	-81.4848333	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS		11:40:00	11:45:00		62.2005	-81.8181667	62.2015	-81.8005	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS		11:45:00	11:50:00		62.2015	-81.8008333	61.2178333	-81.7676667	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS		11:50:00	11:55:00		62.2178333	-81.7676667	62.2345	-81.3676667	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS		11:55:00	12:00:00		62.2345	-81.7343333	62.2506667	-81.7015	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	16:30:00	16:35:00	00:05	62.651	-79.7671667	62.651	-79.717	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	16:35:00	16:40:00	00:05	62.4843333	-79.717	62.651	-79.6681667	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	16:40:00	16:45:00	00:05	62.651	-79.6681667	62.4843333	-79.6338333	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	16:45:00	16:50:00	00:05	62.651	-79.6338333	62.651	-79.584	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	16:50:00	16:55:00	00:05	62.651	-79.584	62.651	-79.5346667	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	16:55:00	17:00:00	00:05	62.651	-79.5346667	62.6511667	-79.5005	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	19:00:00	19:05:00	00:05	62.6515	-78.401	62.6515	-78.3671667	Moving	12	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	19:06:00	19:11:00	00:05	62.6515	-78.3501667	62.6666667	-78.2845	Moving	12	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	19:12:00	19:17:00	00:05	62.6666667	-78.2835	62.6668333	-78.2336667	Moving	12	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	19:18:00	19:23:00	00:05	62.6668333	-78.2176667	62.667	-78.1838333	Moving	12	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	19:24:00	19:29:00	00:05	62.667	-78.1838333	62.667	-78.1338333	Moving	12	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	19:30:00	19:35:00	00:05	62.667	-78.1178333	62.667	-78.0678333	Moving	12	Cloudy	None	Wavelets	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	11:30:00	11:35:00	00:05	61.9841667	-70.1175	61.9833333	-70.0838333	Moving	20	Cloudy	Slight/ Grey	Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	11:36:00	11:41:00	00:05	61.9681667	-70.0675	61.9676667	-70.0343333	Moving	20	Cloudy	Slight/ Grey	Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	11:42:00	11:47:00	00:05	61.9676667	-70.0335	61.9668333	-69.9846667	Moving	20	Cloudy	Slight/ Grey	Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	11:48:00	11:53:00	00:05	61.9666667	-69.984	61.951	-69.9501667	Moving	20	Cloudy	Slight/ Grey	Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	11:54:00	11:59:00	00:05	61.951	-69.9343333	61.9501667	-69.9001667	Moving	20	Cloudy	Slight/ Grey	Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	12:00:00	12:05:00	00:05	61.95	-69.8841667	61.9343333	-69.8515	Moving	20	Cloudy	Slight/ Grey	Wavelets	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	16:30:00	16:35:00	00:05	61.517	-67.7833333	61.5013333	-67.7348333	Moving	20		None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	16:36:00	16:41:00	00:05	61.501	-67.7341667	61.5001667	-67.7006667	Moving	20		None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	16:42:00	16:47:00	00:05	61.5	-67.6848333	61.4841667	-67.4846667	Moving	20		None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	16:48:00	16:53:00	00:05	61.484	-67.6506667	61.4681667	-67.6171667	Moving	20		None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	16:54:00	16:59:00	00:05	61.4678333	-67.6013333	61.4671667	-67.5681667	Moving	20		None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	17:00:00	17:05:00	00:05	61.467	-67.5676667	61.4511667	-67.534	Moving	20		None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	19:20:00	19:25:00	00:05	61.3178333	-66.5508333	61.3173333	-66.517		12	Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	19:26:00	19:31:00	00:05	61.3171667	-66.5013333	61.3166667	-66.467		12	Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	19:33:00	19:38:00	00:05	61.3166667	-66.4511667	61.3013333	-66.434		12	Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	19:39:00	19:43:00	00:04	61.3011667	-66.4173333	61.3008333	-66.4001667		12	Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	19:44:00	19:49:00	00:05	61.3008333	-66.3845	61.3	-66.3501667		12	Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	19:50:00	19:55:00	00:05	61.3	-66.3501667	61.2841667	-66.301		12	Cloudy	None	Wavelets	0.9	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	04:15:00	04:20:00	00:05	62.7675	-92.0838333	62.7675	-92.0838333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	04:21:00	04:26:00	00:05	62.7675	-92.0838333	62.7675	-92.0838333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	04:27:00	04:32:00	00:05	62.7675	-92.0838333	62.7675	-92.0838333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	04:33:00	04:38:00	00:05	62.7675	-92.0838333	62.7675	-92.0838333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	04:39:00	04:44:00	00:05	62.7675	-92.0838333	62.7675	-92.0838333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	04:45:00	04:50:00	00:05	62.7675	-92.0838333	62.7675	-92.0838333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	15:20:00	15:25:00	00:05	62.7675	-92.0841667	62.7675	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	15:26:00	15:31:00	00:05	62.7675	-92.0841667	62.7675	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	15:32:00	15:32:00	00:00	62.7675	-92.0841667	62.7675	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	15:38:00	15:43:00	00:05	62.7675	-92.0841667	62.7675	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	15:44:00	15:49:00	00:05	62.7675	-92.0841667	62.7675	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	15:50:00	15:55:00	00:05	62.7675	-92.0841667	62.7675	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.9	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	22:00:00	22:05:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	22:06:00	22:11:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	22:12:00	22:17:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	22:18:00	22:23:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	22:24:00	22:29:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	22:30:00	22:35:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	04:25:00	04:30:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	04:31:00	04:36:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	04:37:00	04:42:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	04:43:00	04:48:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	04:49:00	04:54:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	04:55:00	05:00:00	00:05	62.7676667	-92.0841667	62.7676667	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	16:30:00	16:35:00	00:05	62.6166667	-91.1176667	62.601	-91.0006667	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	16:36:00	16:41:00	00:05	62.601	-91	62.5505	-90.9515	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	16:42:00	16:47:00	00:05	62.6005	-90.9508333	62.5848333	-90.9005	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	16:48:00	16:53:00	00:05	62.5848333	-90.9003333	62.5843333	-90.8673333	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	16:54:00	16:59:00	00:05	62.5843333	-90.8666667	62.584	-90.8173333	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/8/2025	17:00:00	17:05:00	00:05	62.584	-90.8166667	62.5836667	-90.7675	Moving	20	Clear or Partly Cloudy	None	Rippled	1	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	10:10:00	10:45:00	00:35	60.1005	-60.5011667	60.1515	-60.7173333	Moving	2	Clear or Partly Cloudy		Slight	0.3	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	10:50:00	11:10:00	00:20	60.1515	-60.7173333	60.1503333	-60.7173333	Moving	2	Clear or Partly Cloudy		Slight	0.3	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	11:15:00	11:30:00	00:15	60.2008333	-60.8678333	60.2515	-60.9848333	Moving	2	Clear or Partly Cloudy		Slight	0.3	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	11:31:00	11:40:00	00:09	60.2335	-61.0168333	60.2335	-61.0168333	Moving	2	Clear or Partly Cloudy		Slight	0.3	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	11:41:00	11:49:00	00:08	60.2343333	-61.1005	60.2501667	-61.1515	Moving	2	Clear or Partly Cloudy		Slight	0.3	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	11:51:00	12:05:00	00:14	60.2503333	-61.168	60.2503333	-61.168	Moving	2	Clear or Partly Cloudy		Slight	0.3	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	15:29:00	15:35:00	00:06	60.534	-62.6843333	60.5348333	-62.7335	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	15:43:00	15:48:00	00:05	60.5511667	-62.7841667	60.5671667	-62.818	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	15:51:00	15:56:00	00:05	60.5675	-62.8348333	60.5835	-62.8835	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	15:59:00	16:05:00	00:06	60.5838333	-62.8848333	60.6001667	-62.9338333	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	16:11:00	16:17:00	00:06	60.6015	-62.9676667	60.6176667	-63.0011667	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	16:23:00	16:29:00	00:06	60.6336667	-63.0348333	60.6336667	-63.0841667	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	08:40:00	08:48:00	00:08	61.9348333	-69.9341667	61.951	-70.0006667	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	08:50:00	08:55:00	00:05	61.9511667	-70.0168333	61.9666667	-70.05	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	09:00:00	09:07:00	00:07	61.9673333	-70.0836667	61.9835	-70.1343333	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	09:08:00	09:14:00	00:06	61.9835	-70.1348333	61.901	-70.1841667	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	09:19:00	09:24:00	00:05	62	-70.2176667	62.0006667	-70.2506667	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	09:25:00	09:31:00	00:06	62.001	-70.2673333	62.0168333	-70.3015	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	15:10:00	15:17:00	00:07	62.434	-72.9338333	62.4348333	-72.9845	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	15:20:00	15:26:00	00:06	62.4501667	-73.02	62.4508333	-73.0506667	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	15:27:00	15:32:00	00:05	62.4508333	-73.0673333	62.4513333	-73.101	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	15:38:00	15:44:00	00:06	62.467	-73.1505	62.4675	-73.2003333	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	15:45:00	15:50:00	00:05	62.4676667	-73.2013333	62.4681667	-73.2503333	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	15:55:00	16:00:00	00:05	62.4838333	-73.2845	62.4845	-73.3335	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	10:05:00	10:15:00	00:10	62.1501667	-82.0348333	62.1341667	-82.1171667	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	10:15:00	10:20:00	00:05	62.1341667	-82.1171667	62.1335	-82.151	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	10:25:00	10:30:00	00:05	62.118	-82.1848333	62.1175	-82.2338333	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	11:03:00	11:08:00	00:05	62.0841667	-82.4846667	62.0835	-82.534	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	11:10:00	11:16:00	00:06	62.0833333	-82.5501667	62.0678333	-82.5846667	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	11:17:00	11:30:00	00:13	62.0678333	-82.6001667	62.0513333	-72.6846667	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	15:09:00	15:14:00	00:05	62.1008333	-84.3171667	62.1013333	-84.3505	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	15:15:00	15:20:00	00:05	62.1015	-84.3515	62.1173333	-84.4001667	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	15:22:00	15:27:00	00:05	62.1175	-84.4011667	62.1181667	-84.4348333	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	15:29:00	15:34:00	00:05	62.1335	-84.451	62.1341667	-84.4845	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	15:35:00	15:40:00	00:05	62.1341667	-84.3336667	62.1348333	-89.5338333	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	15:41:00	15:46:00	00:05	62.1501667	-84.5348333	62.1508333	-84.5681667	Moving	20	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	10:00:00	10:08:00	00:08	63.7175	-91.7348333	63.7176667	-91.8003333	Moving	1	Medium to Heavy Rain	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	10:09:00	10:15:00	00:06	63.7175	-91.8008333	63.7171667	-91.8501667	Moving	1	Medium to Heavy Rain	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	10:16:00	10:20:00	00:04	63.5671667	-91.8506667	63.717	-91.9335	Moving	1	Medium to Heavy Rain	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	10:25:00	10:30:00	00:05	63.717	-91.9335	63.7173333	-91.8506667	Moving	1	Medium to Heavy Rain	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	10:36:00	10:42:00	00:06	63.7166667	-92.0011667	63.717	-92.0511667	Moving	1	Medium to Heavy Rain	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	10:43:00	10:48:00	00:05	63.7171667	-92.067	63.7171667	-92.1001667	Moving	1	Medium to Heavy Rain	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	13:03:00	13:09:00	00:06	63.8846667	-92.9341667	63.9013333	-92.9515	Moving	10	Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	13:10:00	13:15:00	00:05	63.9168333	-92.9681667	63.9015	-93.0166667	Moving	10	Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	13:17:00	13:23:00	00:06	63.9011667	-93.034	63.9011667	-93.0836667	Moving	10	Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	13:25:00	13:30:00	00:05	63.9015	-93.1005	63.9181667	-93.117	Moving	10	Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	13:34:00	13:39:00	00:05	63.9341667	-93.1335	63.9346667	-93.1666667	Moving	10	Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	13:44:00	13:50:00	00:06	63.9506667	-93.2015	63.951	-93.251	Moving	10	Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	08:17:00	08:22:00	00:05	62.6348333	-87.0515	62.6506667	-87.0173333	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	08:23:00	08:30:00	00:07	62.6338333	-87.0013333	62.7166667	-87.4171667	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	08:34:00	08:40:00	00:06	62.617	-86.9175	62.6011667	-86.8848333	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	08:41:00	08:50:00	00:09	62.6008333	-86.8666667	62.5846667	-86.8005	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	08:51:00	08:55:00	00:04	62.5845	-86.7846667	62.5838333	-86.7666667	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	09:00:00	09:05:00	00:05	62.718	-86.7178333	62.5673333	-85.684	Moving	1	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	15:22:00	15:27:00	00:05	61.9846667	-83.7681667	61.9845	-83.6673333	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	15:28:00	15:33:00	00:05	61.9845	-83.6511667	61.9845	-83.6173333	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	15:38:00	15:44:00	00:06	61.9843333	-83.568	61.9843333	-83.5181667	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	15:45:00	15:50:00	00:05	61.9843333	-83.5015	61.9841667	-83.4675	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	15:52:00	15:57:00	00:05	61.9843333	-83.451	61.9841667	-83.4171667	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	15:59:00	16:04:00	00:05	61.9841667	-83.4	61.984	-83.3508333	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	10:16:00	10:21:00	00:05	62.5171667	-74.3005			Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	1	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	10:22:00	10:30:00	00:08			62.5171667	-74.1511667	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	1	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	10:31:00	10:41:00	00:10	62.5171667	-74.1511667	62.517	-74.0508333	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	1	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	10:42:00	10:47:00	00:05	62.517	-74.0501667	62.5171667	-74.0005	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	1	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	10:48:00	10:56:00	00:08	62.5171667	-74.0001667	62.5171667	-73.917	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	1	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	10:57:00	11:06:00	00:09	62.5171667	-73.9015	62.5173333	-73.8173333	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Glassy	1	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	15:19:00	15:24:00	00:05	62.2181667	-71.7013333	62.2175	-71.6678333	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	15:26:00	15:31:00	00:05	62.2173333	-71.6668333	62.2015	-71.6175	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	15:34:00	15:39:00	00:05	62.201	-71.6005	62.2003333	-71.368	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	15:41:00	15:46:00	00:05	62.2001667	-71.5505	62.1843333	-71.5168333	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	15:47:00	15:52:00	00:05	61.1841667	-71.5003333	62.1835	-71.4668333	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	15:55:00	16:00:00	00:05	62.168	-71.4348333	62.1673333	-71.4011667	Moving	20	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	08:37:00	08:43:00	00:06	60.617	-63.9168333	60.5848333	-63.8833333	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	08:44:00	08:49:00	00:05	60.5846667	-63.868	60.568	-63.8503333	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	08:55:00	09:02:00	00:07	60.5513333	-63.8175	60.5346667	-63.7845	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	08:16:00	08:22:00	00:06	60.6836667	-64.0178333	60.6666667	-63.9846667	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	08:23:00	08:29:00	00:06	60.6513333	-63.9841667	60.6343333	-63.9506667	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	08:30:00	08:36:00	00:06	60.634	-63.9501667	60.617	-63.9168333	Moving	1	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	08:07:00	08:12:00	00:05	63.7173333	-92.1505	63.7181667	-92.1835	Moving	12		None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	08:13:00	08:18:00	00:05	63.7498333	-92.1838333	63.7345	-92.2168333	Moving	12		None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	08:19:00	08:24:00	00:05	63.7346667	-92.2175	63.7501667	-92.251	Moving	12		None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	08:25:00	08:30:00	00:05	63.7501667	-92.2666667	63.7501667	-92.301	Moving	12		None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	08:31:00	08:36:00	00:05	63.7501667	-92.3013333	63.7501667	-92.3503333	Moving	12		None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	08:37:00	08:42:00	00:05	63.7501667	-92.351	63.7508333	-92.3838333	Moving	12		None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	18:00:00	18:05:00	00:05	63.9335	-93.6173333	63.9335	-93.6173333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	19:00:00	19:05:00	00:05	63.9335	-93.6173333	63.9335	-93.6173333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	20:00:00	20:05:00	00:05	63.9335	-93.6173333	63.9335	-93.6173333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	21:00:00	21:05:00	00:05	63.9335	-93.6173333	63.9335	-93.6173333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	22:00:00	22:05:00	00:05	63.9335	-93.6173333	63.9335	-93.6173333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	23:00:00	23:05:00	00:05	63.9335	-93.6173333	63.9335	-93.6173333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/1/2025	18:00:00	18:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Cloudy	None	Wavelets	0.4	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/1/2025	19:00:00	19:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Cloudy	None	Wavelets	0.4	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/1/2025	20:00:00	20:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Cloudy	None	Wavelets	0.4	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/1/2025	21:00:00	21:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Cloudy	None	Wavelets	0.4	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/1/2025	22:00:00	22:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Cloudy	None	Wavelets	0.4	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/1/2025	23:00:00	23:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Cloudy	None	Wavelets	0.4	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/2/2025	18:00:00	18:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Clear or Partly Cloudy	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/2/2025	19:00:00	19:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Clear or Partly Cloudy	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/2/2025	20:00:00	20:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Clear or Partly Cloudy	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/2/2025	21:00:00	21:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Clear or Partly Cloudy	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/2/2025	22:00:00	22:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Clear or Partly Cloudy	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/2/2025	23:00:00	23:05:00	00:05	63.9181667	-93.617	63.9181667	-93.617	Stationary	12	Clear or Partly Cloudy	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/3/2025	18:00:00	18:05:00	00:05	63.9333333	-93.6168333	63.9333333	-93.6168333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/3/2025	19:00:00	19:05:00	00:05	63.9333333	-93.6168333	63.9333333	-93.6168333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/3/2025	20:00:00	20:05:00	00:05	63.9333333	-93.6168333	63.9333333	-93.6168333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/3/2025	21:00:00	21:05:00	00:05	63.9333333	-93.6168333	63.9333333	-93.6168333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/3/2025	22:00:00	22:05:00	00:05	63.9333333	-93.6168333	63.9333333	-93.6168333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/3/2025	23:00:00	23:05:00	00:05	63.9333333	-93.6168333	63.9333333	-93.6168333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	11:30:00	11:35:00	00:05	63.9513333	-93.2841667	63.9511667	-93.2345	Moving		Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	11:36:00	11:41:00	00:05	63.9511667	-93.2333333	63.9501667	-93.1841667	Moving		Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	11:42:00	11:47:00	00:05	63.95	-93.1833333	63.9341667	-93.1338333	Moving		Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	11:48:00	11:53:00	00:05	63.934	-93.118	63.9173333	-93.1013333	Moving		Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	11:54:00	11:59:00	00:05	63.917	-93.1011667	63.9011667	-93.0675	Moving		Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	12:00:00	12:05:00	00:05	63.9011667	-93.0666667	63.9013333	-93.0173333	Moving		Clear or Partly Cloudy	None	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	16:30:00	16:35:00	00:05	63.5838333	-91.151	63.5836667	-91.1175	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	16:35:00	16:40:00	00:05	63.5836667	-91.1175	63.5681667	-91.0838333	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	16:40:00	16:45:00	00:05	63.5681667	-91.0838333	63.5668333	-91.0668333	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	16:45:00	16:50:00	00:05	63.5668333	-91.0668333	63.5505	-91.0503333	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	16:50:00	16:55:00	00:05	63.5505	-91.0503333	63.5341667	-91.0335	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	16:55:00	17:00:00	00:05	63.5341667	-91.0335	63.518	-91.0175	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	19:15:00	19:20:00	00:05	63.301	-90.5341667	63.3003333	-90.5176667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	19:21:00	19:26:00	00:05	63.3001667	-90.5175	63.2846667	-90.5011667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	19:27:00	19:32:00	00:05	63.2846667	-90.5011667	63.2836667	-90.484	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	19:33:00	19:38:00	00:05	63.2835	-90.4838333	63.2678333	-90.4671667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	19:39:00	19:44:00	00:05	63.2678333	-90.467	63.267	-90.4505	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	19:45:00	19:50:00	00:05	63.2668333	-90.4501667	63.2511667	-90.4338333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/5/2025	18:00:00	18:05:00	00:05	62.7676667	-92.0838333	62.7676667	-92.0838333	Stationary	0.4	Fog	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/5/2025	19:00:00	19:05:00	00:05	62.7676667	-92.0838333	62.7676667	-92.0838333	Stationary	0.4	Fog	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/5/2025	20:00:00	20:05:00	00:05	62.7676667	-92.0838333	62.7676667	-92.0838333	Stationary	0.4	Fog	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/5/2025	21:00:00	21:05:00	00:05	62.7676667	-92.0838333	62.7676667	-92.0838333	Stationary	0.4	Fog	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/5/2025	22:00:00	22:05:00	00:05	62.7676667	-92.0838333	62.7676667	-92.0838333	Stationary	0.4	Fog	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/5/2025	23:00:00	23:05:00	00:05	62.7676667	-92.0838333	62.7676667	-92.0838333	Stationary	0.4	Fog	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	18:00:00	18:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Cloudy	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	19:00:00	19:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Cloudy	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	20:00:00	20:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Cloudy	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	21:00:00	21:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Cloudy	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	22:00:00	22:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Cloudy	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	23:00:00	23:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Cloudy	None	Wavelets	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	18:00:00	18:05:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	19:00:00	19:05:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	20:00:00	20:05:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	21:00:00	21:05:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	22:00:00	22:05:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/7/2025	23:00:00	23:05:00	00:05	62.7676667	-92.084	62.7676667	-92.084	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	18:00:00	18:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	19:00:00	19:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	20:00:00	20:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	21:00:00	21:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	22:00:00	22:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	23:00:00	23:05:00	00:05	62.7673333	-92.0841667	62.7673333	-92.0841667	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	19:10:00	19:15:00	00:05	62.3333333	-88.1501667	62.318	-88.1168333	Moving	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	19:16:00	19:21:00	00:05	62.3178333	-88.101	62.3173333	-88.051	Moving	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	19:22:00	19:27:00	00:05	62.3171667	-88.05	62.3168333	-88.0008333	Moving	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	19:28:00	19:33:00	00:05	62.3166667	-88.0001667	62.3013333	-87.9508333	Moving	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	19:34:00	19:39:00	00:05	62.3011667	-87.95	62.3008333	-87.917	Moving	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	19:40:00	19:45:00	00:05	62.3008333	-87.9011667	62.3003333	-87.867	Moving	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	09:00:00	09:05:00	00:05	62.2336667	-81.7666667	62.25	-81.7333333	Moving	15	Cloudy	None	Rippled	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	09:06:00	09:11:00	00:05	62.2503333	-81.718	62.2666667	-81.6843333	Moving	15	Cloudy	None	Rippled	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	09:12:00	09:17:00	00:05	62.267	-81.684	62.2833333	-81.6505	Moving	15	Cloudy	None	Rippled	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	09:18:00	09:23:00	00:05	62.2836667	-81.65	62.2848333	-81.6171667	Moving	15	Cloudy	None	Rippled	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	09:24:00	09:29:00	00:05	62.3003333	-81.6013333	62.3015	-81.4015	Moving	15	Cloudy	None	Rippled	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	09:30:00	09:35:00	00:05	62.3168333	-81.5676667	62.3333333	-81.5341667	Moving	15	Cloudy	None	Rippled	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	14:30:00	14:35:00	00:05	62.6515	-79.3675	62.6513333	-79.3175	Moving	10	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	14:35:00	14:40:00	00:05	62.6513333	-71.3175	62.6513333	-79.2838333	Moving	10	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	14:40:00	14:45:00	00:05	62.6513333	-79.2838333	62.6513333	-79.2345	Moving	10	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	14:45:00	14:50:00	00:05	62.6513333	-79.2345	62.6513333	-79.2001667	Moving	10	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	14:50:00	14:55:00	00:05	62.6513333	-79.2001667	62.6513333	-79.1668333	Moving	10	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	14:55:00	15:00:00	00:05	62.6513333	-79.1668333	62.6513333	-79.1171667	Moving	10	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	19:09:00	19:14:00	00:05	62.5843333	-76.9843333	62.584	-76.9501667	Moving	12	Cloudy	None	Wavelets	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	19:15:00	19:20:00	00:05	62.584	-76.9343333	62.5836667	-76.9	Moving	12	Cloudy	None	Wavelets	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	19:21:00	19:26:00	00:05	62.5836667	-76.884	62.5833333	-76.8501667	Moving	12	Cloudy	None	Wavelets	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	19:27:00	19:32:00	00:05	62.5833333	-76.8338333	62.568	-76.8003333	Moving	12	Cloudy	None	Wavelets	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	19:33:00	19:38:00	00:05	62.5678333	-76.7835	62.5676667	-76.7345	Moving	12	Cloudy	None	Wavelets	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	19:39:00	19:44:00	00:05	62.5675	-76.7343333	62.5671667	-76.6843333	Moving	12	Cloudy	None	Wavelets	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	09:29:00	09:34:00	00:05	61.5681667	-70.3846667	61.5671667	-70.3513333	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	09:35:00	09:40:00	00:05	61.567	-70.3508333	61.5506667	-70.317	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	09:41:00	09:46:00	00:05	61.5505	-70.3168333	61.5343333	-70.2838333	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	09:47:00	09:52:00	00:05	61.5341667	-70.2833333	61.5181667	-70.2503333	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	09:53:00	09:58:00	00:05	61.5178333	-70.2345	61.5166667	-70.2015	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	09:59:00	10:04:00	00:05	61.5013333	-70.201	61.5	-70.1671667	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025								Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	13:20:00	13:25:00	00:05	61.1336667	-68.8673333	61.1178333	-68.8166667	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	13:25:00	13:30:00	00:05	61.1178333	-68.8166667	61.117	-68.7678333	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	13:30:00	13:35:00	00:05	61.117	-68.7678333	61.1011667	-68.7343333	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	13:35:00	13:40:00	00:05	61.1011667	-68.7343333	61.1001667	-68.7008333	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	13:40:00	13:45:00	00:05	61.1001667	-68.7008333	61.0843333	-68.667	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	13:45:00	13:50:00	00:05	61.0843333	-68.667	61.0835	-68.634	Moving	8	Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	18:30:00	18:35:00	00:05	60.817	-66.8013333	60.8013333	-66.7833333	Moving	0.5	Fog	None	Wavelets	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	18:36:00	18:41:00	00:05	60.8013333	-66.7678333	60.8006667	-66.7348333	Moving	0.5	Fog	None	Wavelets	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	18:42:00	18:47:00	00:05	60.8006667	-66.7341667	60.8001667	-66.7013333	Moving	0.5	Fog	None	Wavelets	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	18:48:00	18:53:00	00:05	60.8	-66.7006667	60.7845	-66.6678333	Moving	0.5	Fog	None	Wavelets	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	18:54:00	18:59:00	00:05	60.7845	-66.6673333	60.784	-66.6348333	Moving	0.5	Fog	None	Wavelets	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	19:00:00	19:05:00	00:05	60.7838333	-66.6343333	60.7835	-66.6013333	Moving	0.5	Fog	None	Wavelets	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	16:30:00	16:35:00	00:05	61.55	-68.1178333	61.5505	-68.1168333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	16:35:00	16:40:00	00:05	61.5505	-68.1168333	61.551	-68.1348333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	16:40:00	16:45:00	00:05	61.551	-68.1348333	61.5515	-68.1835	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	16:45:00	16:50:00	00:05	61.5515	-68.1835	61.5668333	-68.2168333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	16:50:00	16:55:00	00:05	61.5668333	-68.2168333	61.5673333	-68.2503333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	16:55:00	17:00:00	00:05	61.5678333	-68.2503333	61.5676667	-68.2843333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	19:14:00	19:19:00	00:05	61.7676667	-69.1508333	61.7833333	-69.1843333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	19:20:00	19:25:00	00:05	61.7833333	-69.1848333	61.7841667	-69.2178333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	19:26:00	19:31:00	00:05	61.7841667	-69.2335	61.7833333	-69.2668333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	19:32:00	19:37:00	00:05	61.8003333	-69.2676667	61.801	-69.301	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	19:38:00	19:43:00	00:05	61.8011667	-69.3166667	61.817	-69.35	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	19:44:00	19:49:00	00:05	61.8171667	-69.3508333	61.818	-69.3846667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	09:00:00	09:05:00	00:05	62.5015	-75.2345	62.5015	-75.268	Moving	8	Medium to Heavy Rain		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	09:06:00	09:11:00	00:05	62.5015	-75.2835	62.5015	-75.3175	Moving	8	Medium to Heavy Rain		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	09:12:00	09:17:00	00:05	62.5015	-75.318	62.5015	-75.3515	Moving	8	Medium to Heavy Rain		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	09:18:00	09:23:00	00:05	62.5015	-75.3671667	62.5015	-75.401	Moving	8	Medium to Heavy Rain		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	09:24:00	09:29:00	00:05	62.5015	-75.4015	62.5015	-75.4505	Moving	8	Medium to Heavy Rain		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	09:30:00	09:35:00	00:05	62.5015	-75.4511667	62.5015	-75.4848333	Moving	8	Medium to Heavy Rain		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	16:30:00	16:35:00	00:05	62.651	-78.6501667	62.6511667	-78.6843333	Moving	8	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	16:35:00	16:40:00	00:05	62.6511667	-78.6843333	62.6511667	-78.718	Moving	8	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	16:40:00	16:45:00	00:05	62.6511667	-78.718	62.6511667	-78.7671667	Moving	8	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	16:45:00	16:50:00	00:05	62.6511667	-78.7671667	62.6513333	-78.801	Moving	8	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	16:50:00	16:55:00	00:05	62.6513333	-78.801	62.6513333	-78.85	Moving	8	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	16:55:00	17:00:00	00:05	62.6513333	-78.25	62.6511667	-78.8838333	Moving	8	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	19:00:00	19:05:00	00:05	62.6673333	-79.818	62.667	-79.8681667	Moving	2	Fog	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	19:06:00	19:11:00	00:05	62.6668333	-79.8841667	62.6666667	-79.9181667	Moving	2	Fog	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	19:12:00	19:17:00	00:05	62.6666667	-79.934	62.6666667	-79.9681667	Moving	2	Fog	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	19:18:00	19:23:00	00:05	62.6666667	-79.984	62.6666667	-80.0333333	Moving	2	Fog	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	19:24:00	19:29:00	00:05	62.6666667	-80.0341667	62.6666667	-80.0833333	Moving	2	Fog	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	19:30:00	19:35:00	00:05	62.6666667	-80.0838333	62.6666667	-80.1181667	Moving	2	Fog	None	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	11:24:00	11:29:00	00:05	62.4511667	-86.551	62.4668333	-86.5845	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	11:30:00	11:35:00	00:05	62.467	-86.5848333	62.4676667	-86.6181667	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	11:36:00	11:41:00	00:05	62.4676667	-86.618	62.4833333	-86.6671667	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	11:42:00	11:47:00	00:05	62.4836667	-86.6833333	62.4843333	-86.7011667	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	11:12:00	11:17:00	00:05	62.4345	-86.4681667	62.4501667	-86.5011667	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	11:18:00	11:23:00	00:05	62.4503333	-86.5168333	62.4511667	-86.5506667	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	16:30:00	16:35:00	00:05	62.7673333	-88.0845	62.7676667	-88.1013333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	16:35:00	16:40:00	00:05	62.7676667	-88.1013333	62.7681667	-88.1335	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	16:40:00	16:45:00	00:05	62.7681667	-88.1335	62.7835	-88.1505	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	16:45:00	16:50:00	00:05	62.7835	-88.1505	62.7838333	-88.1668333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	16:50:00	16:55:00	00:05	62.7838333	-88.1668333	62.7841667	-88.1836667	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	16:55:00	17:00:00	00:05	62.7841667	-88.1836667	62.7845	-88.2005	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	19:16:00	19:21:00	00:05	62.9166667	-88.734	62.917	-88.7506667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	19:22:00	19:27:00	00:05	62.917	-88.7511667	62.9173333	-88.768	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	19:28:00	19:33:00	00:05	62.9175	-88.7833333	62.9178333	-88.8003333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	19:34:00	19:39:00	00:05	62.918	-88.8006667	62.9333333	-88.8178333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	19:40:00	19:45:00	00:05	62.9333333	-88.8181667	62.9338333	-88.85	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	19:46:00	19:51:00	00:05	62.9338333	-88.8503333	62.9341667	-88.8671667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	18:00:00	18:05:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	19:00:00	19:05:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	20:00:00	20:05:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	21:00:00	21:05:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	22:00:00	22:05:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/9/2025	23:00:00	23:05:00	00:05	62.7675	-92.0843333	62.7675	-92.0843333	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	11:00:00	11:05:00	00:05	62.7336667	-92.0336667	62.7506667	-92.0013333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	11:06:00	11:11:00	00:05		-92.0008333	62.4013333	-91.9673333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	11:12:00	11:17:00	00:05	62.701	-91.9515	62.7001667	-91.9181667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	11:18:00	11:23:00	00:05	62.7	-91.9175	62.6841667	-91.884	Moving	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	11:24:00	11:29:00	00:05	62.684	-91.8681667	62.6835	-91.8511667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	11:30:00	11:35:00	00:05	62.668	-91.8341667	62.6671667	-91.8006667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	14:28:00	14:33:00	00:05	62.5508333	-90.4501667	62.5505	-90.4166667	Moving	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	14:33:00	14:38:00	00:05	62.5505	-90.4166667	62.55	-90.3515	Moving	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	14:38:00	14:43:00	00:05		-90.3515	62.5346667	-90.3178333	Moving	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	14:43:00	14:48:00	00:05	62.5346667	-90.3178333	62.5343333	-90.284	Moving	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	14:48:00	14:53:00	00:05	62.5341667	-90.284	62.5338333	-90.2346667	Moving	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	14:53:00	14:58:00	00:05	62.5338333	-90.2346667	62.3501667	-90.2001667	Moving	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	10:26:00	10:31:00	00:05	61.1013333	-65.6175	61.1168333	-65.6505	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	10:32:00	10:37:00	00:05	61.117	-65.6513333	61.1176667	-65.6846667	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	10:38:00	10:43:00	00:05	61.1178333	-65.7005	61.1335	-65.7486667	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	10:44:00	10:49:00	00:05	61.1336667	-65.7343333	61.1341667	-65.7678333	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	10:50:00	10:55:00	00:05	61.1343333	-65.7841667	61.1348333	-65.8175	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	10:56:00	11:01:00	00:05	61.15	-65.818	61.1505	-65.8668333	Moving	15	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/12/2025	16:00:00	16:05:00	00:05	63.9336667	-93.6171667	63.9336667	-93.6171667	Stationary	12	Clear or Partly Cloudy	None	Glassy	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/12/2025	19:00:00	19:05:00	00:05	63.9336667	-93.6171667	63.9336667	-93.6171667	Stationary	12	Clear or Partly Cloudy	None	Glassy	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/12/2025	20:00:00	20:05:00	00:05	63.9336667	-93.6171667	63.9336667	-93.6171667	Stationary	12	Clear or Partly Cloudy	None	Glassy	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/13/2025	18:00:00	18:05:00	00:05	63.9333333	-93.6168333	63.9333333	-93.6168333	Stationary	12	Clear or Partly Cloudy	None	Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/13/2025	21:00:00	21:05:00	00:05	63.9333333	-93.6171667	63.9333333	-93.6171667	Stationary	12	Clear or Partly Cloudy	None	Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/13/2025	22:00:00	22:05:00	00:05	63.9335	-93.6171667	63.9335	-93.6171667	Stationary	12	Clear or Partly Cloudy	None	Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	11:30:00	11:35:00	00:05	63.667	-91.5836667	63.6503333	-91.5508333	Moving	0.5	Fog	Slight/ Grey	Rippled	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	11:45:00	11:50:00	00:05	63.618	-91.5011667	63.6333333	-91.4671667	Moving	0.5	Fog	Slight/ Grey	Rippled	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	11:50:00	11:55:00	00:05	63.6333333	-91.4671667	63.6333333	-91.4333333	Moving	0.5	Fog	Slight/ Grey	Rippled	0	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	13:14:00	13:19:00	00:05	63.5501667	-91.034	63.5345	-91.0333333	Moving	0.2	Fog		Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	13:32:00	13:37:00	00:05	63.5175	-91.0015	63.5168333	-91.0005	Moving	0.2	Fog		Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	13:38:00	13:43:00	00:05	63.5166667	-91.0001667	63.5011667	-90.9838333	Moving	0.2	Fog		Glassy	0	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	19:18:00	19:23:00	00:05	62.9666667	-88.7515	62.9508333	-88.7175	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	19:36:00	19:41:00	00:05	62.9335	-88.6175	62.9175	-88.568	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	19:42:00	19:47:00	00:05	62.9175	-88.5678333	62.9015	-88.5335	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/15/2025	09:30:00	09:35:00	00:05	62.117	-82.0336667	62.1333333	-82.0005	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/15/2025	09:45:00	09:50:00	00:05	62.151	-81.934	62.1673333	-81.9008333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/15/2025	13:20:00	13:23:00	00:03	62.6513333	-79.384	62.6513333	-79.3346667	Moving	13	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/15/2025	13:38:00	13:43:00	00:05	62.6513333	-79.2341667	62.6515	-79.1848333	Moving	13	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/15/2025	13:44:00	13:49:00	00:05	62.6515	-79.1841667	62.6515	-79.1348333	Moving	13	Clear or Partly Cloudy	None	Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/15/2025	19:18:00	19:23:00	00:05	62.617	-77.3338333	62.6166667	-77.2843333	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/15/2025	19:36:00	19:41:00	00:05	62.6008333	-77.1676667	62.6003333	-77.1333333	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/15/2025	19:42:00	19:47:00	00:05	62.6003333	-77.1173333	62.6	-77.0833333	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	11:15:00	11:20:00	00:05	61.2678333	-69.5515	61.2515	-69.5173333	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	11:33:00	11:38:00	00:05	61.218	-69.4175	61.2171667	-69.3843333	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	11:39:00	11:44:00	00:05	61.217	-69.3835	61.2011667	-69.3336667	Moving	8	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	13:40:00	13:45:00	00:05	61.0666667	-68.3848333	61.0511667	-68.3515	Moving	2	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	13:59:00	14:04:00	00:05	61.0345	-68.2505	61.0338333	-68.2166667	Moving	2	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	14:05:00	14:10:00	00:05	61.0338333	-68.2008333	61.0015	-68.1668333	Moving	2	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	19:07:00	19:13:00	00:06	60.6681667	-65.8333333	60.6675	-65.7841667	Moving	12	Fog	None	Wavelets	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	19:26:00	19:31:00	00:05	60.6506667	-65.6835	60.6501667	-65.6501667	Moving	12	Fog	None	Wavelets	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	19:32:00	19:37:00	00:05	60.65	-65.6343333	60.6343333	-65.6005	Moving	12	Fog	None	Wavelets	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	10:55:00	11:00:00	00:05	60.5345	-64.9503333	60.5348333	-65.0003333	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Moderate	1.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	11:10:00	11:15:00	00:05	60.5503333	-65.068	60.5508333	-65.1015	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Moderate	1.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	11:15:00	11:20:00	00:05	60.5508333	-65.1015	60.5511667	-65.15	Moving	10	Clear or Partly Cloudy	Bright on Observer's Side	Moderate	1.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	16:00:00	16:05:00	00:05	63.9333333	-93.6175	63.9333333	-93.6175	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	19:00:00	19:05:00	00:05	63.9333333	-93.6175	63.9333333	-93.6175	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	20:00:00	20:05:00	00:05	63.9333333	-93.6175	63.9333333	-93.6175	Stationary	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	14:55:00	15:00:00	00:05	60.8	-66.618	60.8006667	-66.6515	Moving	15	Clear or Partly Cloudy		Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	15:13:00	15:18:00	00:05	61.0001667	-66.7505	60.8173333	-66.784	Moving	15	Clear or Partly Cloudy		Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	15:19:00	15:24:00	00:05	60.8173333	-66.7846667	60.8178333	-66.8181667	Moving	15	Clear or Partly Cloudy		Slight	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	17:48:00	17:53:00	00:05	60.9676667	-67.8346667	60.9681667	-67.8681667	Moving	12	Clear or Partly Cloudy	None	Slight	1.2	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	18:06:00	18:11:00	00:05	60.9845	-67.967	61.0003333	-68.0008333	Moving	12	Clear or Partly Cloudy	None	Slight	1.2	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	18:12:00	18:17:00	00:05	61.0003333	-68.0015	61.0008333	-68.0513333	Moving	12	Clear or Partly Cloudy	None	Slight	1.2	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	10:00:00	10:05:00	00:05	62.5015	-74.3511667	62.5015	-74.4175	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	10:15:00	10:20:00	00:05	62.5013333	-74.518	62.5015	-74.5671667	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	10:20:00	10:25:00	00:05	62.5015	-74.5671667	62.5015	-74.6008333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	15:15:00	15:20:00	00:05	62.5515	-77.0673333	62.6001667	-77.101	Moving	20	Clear or Partly Cloudy	None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	15:33:00	19:38:00	04:05	62.601	-77.2013333	62.6015	-77.2506667	Moving	20	Clear or Partly Cloudy	None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	19:39:00	19:44:00	00:05	62.6015	-77.2515	62.6168333	-77.3005	Moving	20	Clear or Partly Cloudy	None	Rippled	0.5	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	19:20:00	19:25:00	00:05	62.6668333	-79.0345	62.6668333	-79.0838333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	19:38:00	19:43:00	00:05	62.6666667	-79.1846667	62.6515	-79.2341667	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	19:44:00	19:49:00	00:05	62.6515	-79.2348333	62.6515	-79.2843333	Moving	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/5/2025	11:00:00	11:05:00	00:05	62.1343333	-86.267	62.1346667	-86.3011667	Moving	12	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/5/2025	11:15:00	11:20:00	00:05	62.1505	-86.3846667	62.1508333	-86.434	Moving	12	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/5/2025	11:20:00	11:25:00	00:05	62.1508333	-86.434	62.1345	-86.468	Moving	12	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/5/2025	13:00:00	13:05:00	00:05	62.2345	-87.2676667	62.2348333	-87.3166667	Moving	15	Clear or Partly Cloudy		Wavelets	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/5/2025	13:18:00	13:23:00	00:05	62.251	-87.4176667	62.2513333	-87.4668333	Moving	15	Clear or Partly Cloudy		Wavelets	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/5/2025	13:24:00	13:29:00	00:05	62.2515	-87.4676667	62.2668333	-87.5015	Moving	15	Clear or Partly Cloudy		Wavelets	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/5/2025	16:18:00	16:23:00	00:05	62.4006667	-88.9333333	62.401	-85.9675	Moving	12	Cloudy	Slight/ Grey	Slight	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/5/2025	16:36:00	16:41:00	00:05	62.4173333	-89.0835	62.4175	-89.1181667	Moving	12	Cloudy	Slight/ Grey	Slight	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/5/2025	16:42:00	16:47:00	00:05	62.4176667	-89.1335	62.4181667	-89.1676667	Moving	12	Cloudy	Slight/ Grey	Slight	1	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/6/2025	16:00:00	16:05:00	00:05	62.7675	-92.0845	62.7675	-92.0845	Stationary	12		None	Wavelets	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/6/2025	19:00:00	19:05:00	00:05	62.7675	-92.0845	62.7675	-92.1511667	Stationary	12		None	Wavelets	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/6/2025	20:00:00	20:05:00	00:05	62.7675	-92.0845	62.7675	-92.0845	Stationary	12		None	Wavelets	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/7/2025	01:00:00	01:05:00	00:05	62.7675	-92.0845	62.7675	-92.0845	Stationary	12	Cloudy	None	Rippled	0.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/7/2025	04:00:00	04:05:00	00:05	62.7675	-92.0845	62.7675	-92.0845	Stationary	12	Cloudy	None	Rippled	0.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/7/2025	05:00:00	05:05:00	00:05	62.7675	-92.0845	62.7675	-92.0845	Stationary	12	Cloudy	None	Rippled	0.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/7/2025	19:15:00	19:20:00	00:05	62.9175	-90.3336667	62.9341667	-90.3333333	Moving	12	Cloudy	None	Slight	1.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/7/2025	19:33:00	19:38:00	00:05	62.9838333	-90.3335	63.0003333	-90.3335	Moving	12	Cloudy	None	Slight	1.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/7/2025	19:39:00	19:44:00	00:05	63.0006667	-90.3335	63.0176667	-90.3335	Moving	12	Cloudy	None	Slight	1.3	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/8/2025	15:53:00	15:59:00	00:06	63.7508333	-92.0506667	63.7176667	-92.101	Moving	12	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/8/2025	16:13:00	16:18:00	00:05	63.7673333	-92.1848333	63.7835	-92.2178333	Moving	12	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/8/2025	16:19:00	16:24:00	00:05	63.7836667	-92.2181667	63.7841667	-92.2666667	Moving	12	Cloudy	Slight/ Grey	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/8/2025	00:00:00	00:05:00	00:05	63.5015	-91.068	63.5015	-91.068	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/8/2025	03:00:00	03:05:00	00:05	63.5015	-91.068	63.5015	-91.068	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/8/2025	04:05:00	04:05:00	00:00	63.5015	-91.068	63.5015	-91.068	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/9/2025	16:00:00	16:05:00	00:05	63.9335	-93.6171667	63.9335	-93.6171667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/9/2025	19:00:00	19:05:00	00:05	63.9335	-93.6171667	63.9335	-93.6171667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/9/2025	20:00:00	20:05:00	00:05	63.9335	-93.6171667	63.9335	-93.6171667	Stationary	12	Clear or Partly Cloudy	None	Rippled	0.3	Calm
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/10/2025	16:00:00	16:05:00	00:05	63.9336667	-93.6175	63.9336667	-93.6175	Stationary	10	Medium to Heavy Rain	None	Slight	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/10/2025	19:00:00	19:05:00	00:05	63.9336667	-93.6175	63.9336667	-93.6175	Stationary	10	Medium to Heavy Rain	None	Slight	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/10/2025	20:00:00	20:05:00	00:05	63.9336667	-93.6175	63.9336667	-93.6175	Stationary	10	Medium to Heavy Rain	None	Slight	0.6	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	09:20:00	09:25:00	00:05	62.1168333	-84.717	62.1093333	-84.8513333	Moving	18	Clear or Partly Cloudy		Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	09:27:00	09:33:00	00:06	62.1008333	-84.8508333	62.0848333	-84.8011667	Moving	18	Clear or Partly Cloudy		Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	09:34:00	09:39:00	00:05	62.0846667	-84.8006667	62.0838333	-84.7668333	Moving	18	Clear or Partly Cloudy		Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	09:40:00	09:45:00	00:05	62.0833333	-84.7345	62.0678333	-84.7166667	Moving	18	Clear or Partly Cloudy		Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	09:46:00	09:51:00	00:05	62.0675	-84.7011667	62.0666667	-84.6675	Moving	18	Clear or Partly Cloudy		Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	09:52:00	09:57:00	00:05	62.0511667	-84.6666667	62.0505	-84.4513333	Moving	18	Clear or Partly Cloudy		Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	18:08:00	18:13:00	00:05	62.5001667	-81.1503333	62.5166667	-81.117	Moving	12	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	18:19:00	18:19:00	00:00	62.5168333	-81.1013333	62.5181667	-81.0833333	Moving	12	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	18:20:00	18:25:00	00:05	62.5335	-81.0676667	62.5501667	-81.0335	Moving	12	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	18:26:00	18:31:00	00:05	62.5505	-81.0333333	62.5666667	-81.0001667	Moving	12	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	18:32:00	18:37:00	00:05	62.5668333	-81	62.5835	-80.9508333	Moving	12	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	18:38:00	18:43:00	00:05	62.5836667	-80.9506667	62.6	-80.9173333	Moving	12	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:30:00	06:35:00	00:05	62.5166667	-74.618	62.5166667	-74.5675	Moving	10	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:35:00	06:40:00	00:05	62.5166667	-74.5675	62.5166667	-74.5336667	Moving	10	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:41:00	06:46:00	00:05	62.5166667	-74.3511667	62.5166667	-74.4681667	Moving	10	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:47:00	06:52:00	00:05	62.5015	-74.4671667	62.5015	-74.4175	Moving	10	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:53:00	06:58:00	00:05	62.5015	-74.4681667	62.5015	-74.3678333	Moving	10	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:59:00	07:04:00	00:05	62.5015	-74.3668333	62.5013333	-74.317	Moving	10	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	16:00:00	16:05:00	00:05	61.5346667	-70.3003333	61.5168333	-70.2668333	Moving	3	Fog		Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	16:06:00	16:11:00	00:05	61.5333333	-70.2515	61.517	-70.2178333	Moving	3	Fog		Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	16:12:00	16:17:00	00:05	61.517	-70.2173333	61.5006667	-70.184	Moving	3	Fog		Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	16:18:00	16:23:00	00:05	61.5005	-70.1833333	61.4843333	-70.1348333	Moving	3	Fog		Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	16:24:00	16:29:00	00:05	61.484	-70.1341667	61.4673333	-70.0843333	Moving	3	Fog		Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	16:30:00	16:35:00	00:05	61.4673333	-70.0843333	61.4511667	-70.0508333	Moving	3	Fog		Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:30:00	06:35:00	00:05	60.3503333	-63.9336667	60.3343333	-63.9008333	Moving	0.5	Fog		Moderate	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:36:00	06:41:00	00:05	60.334	-63.9003333	60.318	-63.8676667	Moving	0.5	Fog		Moderate	1	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:42:00	06:47:00	00:05	60.3176667	-63.8838333	60.3166667	-63.8343333	Moving	0.5	Fog		Moderate	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:48:00	06:53:00	00:05	60.3015	-63.8338333	60.3005	-63.801	Moving	0.5	Fog		Moderate	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	06:54:00	06:59:00	00:05	60.3005	-63.8005	60.2846667	-63.7833333	Moving	0.5	Fog		Moderate	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/22/2025	07:00:00	07:05:00	00:05	60.2843333	-63.7678333	60.2833333	-63.7501667	Moving	0.5	Fog		Moderate	1	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	11:00:00	11:05:00	00:05	61.1505	-68.9841667	61.151	-69.0178333	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	11:06:00	11:11:00	00:05	61.1511667	-69.0336667	61.1666667	-69.0673333	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	11:12:00	11:17:00	00:05	61.1668333	-69.068	61.1673333	-69.1166667	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	11:18:00	11:23:00	00:05	61.1675	-69.1175	61.168	-69.151	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	11:24:00	11:29:00	00:05	61.1681667	-69.1668333	61.1836667	-69.2003333	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	11:30:00	11:35:00	00:05	61.1836667	-69.2011667	61.1841667	-69.2345	Moving	12	Cloudy	None	Rippled	0.3	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	15:20:00	15:25:00	00:05	61.6345	-70.368	61.4841667	-70.6001667	Moving	10	Cloudy	Slight/ Grey	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	15:45:00	15:50:00	00:05	61.6848333	-70.6666667	61.7008333	-70.7333333	Moving	10	Cloudy	Slight/ Grey	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	20:00:00	20:05:00	00:05	62.1846667	-72.0846667	62.2005	-72.1171667	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	20:06:00	20:11:00	00:05	62.2005	-72.1173333	62.2013333	-72.1348333	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	20:12:00	20:17:00	00:05	62.2015	-72.1503333	62.2173333	-72.1678333	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	20:18:00	20:23:00	00:05	62.2168333	-72.2008333	62.2345	-72.2171667	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	20:24:00	20:29:00	00:05	62.2346667	-72.2173333	62.25	-72.2501667	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	20:34:00	20:39:00	00:05	62.2503333	-72.2511667	62.2511667	-72.2838333	Moving	15	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/6/2025	19:50:00	19:55:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	10	Cloudy	None	Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/6/2025	20:40:00	20:45:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	10	Cloudy	None	Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/6/2025	21:30:00	21:35:00	00:05	62.1846667	-75.7346667	62.1846667	-75.7345	Stationary	10	Cloudy	None	Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/6/2025	22:20:00	22:25:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	10	Cloudy	None	Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/6/2025	23:05:00	23:10:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	10	Cloudy	None	Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/6/2025	23:50:00	23:55:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	10	Cloudy	None	Wavelets	0.7	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	08:00:00	08:05:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	12	Snow	None	Wavelets	0.8	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	08:40:00	08:45:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	12	Snow	None	Wavelets	0.8	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	09:30:00	09:35:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	12	Snow	None	Wavelets	0.8	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	10:15:00	10:20:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	12	Snow	None	Wavelets	0.8	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	10:55:00	11:00:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	12	Snow	None	Wavelets	0.8	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	11:45:00	11:50:00	00:05	62.1846667	-75.7345	62.1846667	-75.7345	Stationary	12	Snow	None	Wavelets	0.8	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	14:15:00	14:20:00	00:05	62.4176667	-75.7675	62.4338333	-75.8005	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Rough	2.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	14:20:00	14:25:00	00:05	62.4338333	-75.8005	62.45	-75.8335	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Rough	2.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	14:25:00	14:30:00	00:05	62.45	-75.8335	62.4506667	-75.8503333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Rough	2.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	14:30:00	14:35:00	00:05	62.4506667	-75.8503333	62.4515	-75.8678333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Rough	2.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	14:35:00	14:40:00	00:05	62.4515	-75.8678333	62.4673333	-75.9	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Rough	2.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	14:40:00	14:45:00	00:05	62.4673333	-75.9	62.4833333	-75.9178333	Moving	12	Clear or Partly Cloudy	Bright on Observer's Side	Rough	2.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	22:00:00	22:05:00	00:05	62.6666667	-78.601	62.6666667	-78.5666667	Moving	15	Cloudy	Slight/ Grey	Slight	2	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	22:06:00	22:11:00	00:05	62.6666667	-78.6508333	62.6666667	-78.6848333	Moving	15	Cloudy	Slight/ Grey	Slight	2	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	22:12:00	22:17:00	00:05	62.6666667	-78.7006667	62.6666667	-78.7346667	Moving	15	Cloudy	Slight/ Grey	Slight	2	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	22:18:00	22:23:00	00:05	62.6668333	-78.7505	62.6668333	-78.7846667	Moving	15	Cloudy	Slight/ Grey	Slight	2	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	22:24:00	22:29:00	00:05	62.6668333	-78.8005	62.6668333	-78.834	Moving	15	Cloudy	Slight/ Grey	Slight	2	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	22:30:00	22:35:00	00:05	62.6668333	-78.8348333	62.6668333	-78.8841667	Moving	15	Cloudy	Slight/ Grey	Slight	2	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	10:45:00	10:50:00	00:05	61.9336667	-84.0838333	61.9343333	-84.1176667	Moving		Clear or Partly Cloudy		Slight		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	10:51:00	10:56:00	00:05	61.9345	-84.1181667	61.9501667	-84.1513333	Moving		Clear or Partly Cloudy		Slight		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	10:57:00	11:03:00	00:06	61.9503333	-84.167	61.9513333	-84.2013333	Moving		Clear or Partly Cloudy		Slight		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	11:04:00	11:09:00	00:05	61.9515	-84.2168333	61.9671667	-84.25	Moving		Clear or Partly Cloudy		Slight		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	11:10:00	11:15:00	00:05	61.9675	-84.2668333	61.9681667	-84.2843333	Moving		Clear or Partly Cloudy		Slight		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	11:16:00	11:21:00	00:05	61.9681667	-84.2848333	61.9843333	-84.3343333	Moving		Clear or Partly Cloudy		Slight		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	16:15:00	16:20:00	00:05	62.4511667	-86.467	62.4671667	-86.5008333	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	16:20:00	16:25:00	00:05	62.4671667	-86.5008333	62.4678333	-86.5345	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	16:25:00	16:30:00	00:05	62.4678333	-86.5345	62.4838333	-86.5681667	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	16:30:00	16:35:00	00:05	62.4838333	-86.5681667	62.4845	-86.6015	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	16:35:00	16:40:00	00:05	62.4845	-86.6015	62.5001667	-86.4835	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	16:40:00	16:45:00	00:05	62.5001667	-86.6501667	62.501	-86.6838333	Moving	12	Clear or Partly Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	20:10:00	20:15:00	00:05	62.8003333	-88.0333333	62.8011667	-88.0515	Moving	12	Clear or Partly Cloudy	None	Moderate	1.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	20:16:00	20:21:00	00:05	62.8011667	-88.0671667	62.8168333	-88.1001667	Moving	12	Clear or Partly Cloudy	None	Moderate	1.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	20:22:00	20:27:00	00:05	62.817	-88.1008333	62.7343333	-88.1338333	Moving	12	Clear or Partly Cloudy	None	Moderate	1.5	Strong Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	20:28:00	20:33:00	00:05	62.8178333	-88.1345	62.8335	-88.1676667	Moving	12	Clear or Partly Cloudy	None	Moderate	1.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	20:34:00	20:39:00	00:05	62.8336667	-88.1833333	62.8341667	-88.2013333	Moving	12	Clear or Partly Cloudy	None	Moderate	1.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	20:40:00	20:45:00	00:05	62.8343333	-88.217	62.8348333	-88.2501667	Moving	12	Clear or Partly Cloudy	None	Moderate	1.5	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	14:30:00	14:35:00	00:05	63.6005	-91.2848333	63.6013333	-91.318	Moving	10	Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	14:36:00	14:40:00	00:04	63.4346667	-91.3181667	63.617	-91.3513333	Moving	10	Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	14:42:00	14:47:00	00:05	63.617	-91.3666667	63.6176667	-91.4	Moving	10	Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	14:48:00	14:53:00	00:05	63.6178333	-91.4005	63.6336667	-91.4333333	Moving	10	Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	14:54:00	14:59:00	00:05	63.6336667	-91.4336667	63.6333333	-91.467	Moving	10	Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	15:00:00	15:05:00	00:05	63.6333333	-91.4673333	63.6181667	-91.501	Moving	10	Cloudy	Bright on Observer's Side	Rippled	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	08:00:00	08:05:00	00:05	63.5015	-91.0833333	63.5015	-91.0833333	Stationary	10	Cloudy	None	Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	08:50:00	08:55:00	00:05	63.5015	-91.0833333	63.5015	-91.0833333	Stationary	10	Cloudy	None	Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	09:40:00	09:45:00	00:05	63.5015	-92.0833333	63.5015	-91.0833333	Stationary	10	Cloudy	None	Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	10:30:00	10:35:00	00:05	63.5015	-92.0833333	63.5015	-92.0833333	Stationary	10	Cloudy	None	Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	11:20:00	11:25:00	00:05	63.5015	-91.0833333	63.5015	-92.0833333	Stationary	10	Cloudy	None	Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/9/2025	12:10:00	12:15:00	00:05	63.5015	-91.0833333	63.5015	-91.0833333	Stationary	10	Cloudy	None	Wavelets	0.7	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/10/2025	02:00:00	02:05:00	00:05	63.9348333	-93.5681667	63.9348333	-93.5681667	Stationary	10	Cloudy		Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/10/2025	03:00:00	03:05:00	00:05	63.9348333	-93.5681667	63.9348333	-93.5681667	Stationary	10	Cloudy		Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/10/2025	04:00:00	04:05:00	00:05	63.9348333	-93.5681667	63.9348333	-93.5681667	Stationary	10	Cloudy		Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/10/2025	05:00:00	05:05:00	00:05	63.9348333	-93.5681667	63.9348333	-93.5681667	Stationary	10	Cloudy		Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/10/2025	06:00:00	06:05:00	00:05	63.9348333	-93.5681667	63.9348333	-93.5681667	Stationary	10	Cloudy		Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/10/2025	07:00:00	07:05:00	00:05	63.9348333	-93.5681667	63.9348333	-93.5681667	Stationary	10	Cloudy		Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/11/2025	17:30:00	17:35:00	00:05	63.9501667	-93.5843333	63.9501667	-93.5843333	Stationary	5	Cloudy	None	Wavelets		Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/11/2025	18:35:00	18:40:00	00:05	63.9501667	-93.5843333	63.9501667	-93.5843333	Stationary	5	Cloudy	None	Wavelets		Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/11/2025	19:40:00	19:45:00	00:05	63.9501667	-93.5843333	63.9501667	-93.5843333	Stationary	5	Cloudy	None	Wavelets		Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/11/2025	20:40:00	20:45:00	00:05	63.9501667	-93.5845	63.9501667	-93.5845	Stationary	5	Cloudy	None	Wavelets		Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/11/2025	21:40:00	21:45:00	00:05	63.9501667	-93.5845	63.9501667	-93.5845	Stationary	5	Cloudy	None	Wavelets		Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/11/2025	22:40:00	22:45:00	00:05	63.9501667	-93.5845	63.9501667	-93.5845	Stationary	5	Cloudy	None	Wavelets		Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/12/2025	00:00:00	00:05:00	00:05	63.9501667	-93.584	63.9501667	-93.584	Stationary	13	Cloudy		Wavelets	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/12/2025	00:10:00	00:15:00	00:05	63.9501667	-93.584	63.9501667	-93.584	Stationary	13	Cloudy		Wavelets	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/12/2025	00:20:00	02:25:00	02:05	63.9501667	-93.584	63.9501667	-93.584	Stationary	13	Cloudy		Wavelets	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/12/2025	03:00:00	03:05:00	00:05	63.9503333	-93.584	63.9501667	-93.584	Stationary	13	Cloudy		Wavelets	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/12/2025	04:00:00	04:05:00	00:05	63.9501667	-93.584	63.9501667	-93.584	Stationary	13	Cloudy		Wavelets	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/12/2025	05:00:00	05:05:00	00:05	63.9501667	-93.584	63.9501667	-93.584	Stationary	13	Cloudy		Wavelets	0.5	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/13/2025	00:00:00	00:05:00	00:05	63.95	-93.5833333	63.9501667	-93.5833333	Stationary	15	Clear or Partly Cloudy	None	Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/13/2025	01:00:00	01:05:00	00:05	63.9501667	-93.5833333	63.9501667	-93.5833333	Stationary	15	Clear or Partly Cloudy	None	Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/13/2025	02:00:00	02:05:00	00:05	63.9501667	-93.5833333	63.9501667	-93.5833333	Stationary	15	Clear or Partly Cloudy	None	Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/13/2025	03:00:00	03:05:00	00:05	63.9501667	-93.5833333	63.9501667	-93.5833333	Stationary	15	Clear or Partly Cloudy	None	Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/13/2025	04:00:00	04:05:00	00:05	63.9501667	-93.5833333	63.9501667	-93.5833333	Stationary	15	Clear or Partly Cloudy	None	Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/13/2025	05:00:00	05:05:00	00:05	63.9501667	-93.5833333	63.9501667	-93.5833333	Stationary	15	Clear or Partly Cloudy	None	Slight	1	Gale Force Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/14/2025	00:00:00	00:05:00	00:05	63.9501667	-93.5836667	63.9501667	-93.5836667	Stationary	12	Clear or Partly Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/14/2025	01:00:00	01:05:00	00:05	63.9501667	-93.5836667	63.9501667	-93.5836667	Stationary	12	Clear or Partly Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/14/2025	02:00:00	02:05:00	00:05	63.9501667	-93.5836667	63.9501667	-93.5836667	Stationary	12	Clear or Partly Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/14/2025	03:00:00	03:05:00	00:05	63.9501667	-93.5836667	63.9501667	-93.5836667	Stationary	12	Clear or Partly Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/14/2025	04:00:00	04:05:00	00:05	63.9501667	-93.5836667	63.9501667	-93.5836667	Stationary	12	Clear or Partly Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/14/2025	05:00:00	05:05:00	00:05	63.9501667	-93.5836667	63.9501667	-93.5836667	Stationary	12	Clear or Partly Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/15/2025	00:00:00	00:05:00	00:05	63.9346667	-93.5841667	63.9346667	-93.5841667	Stationary	12	Cloudy	None	Rippled		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/15/2025	01:05:00	01:10:00	00:05	63.9346667	-93.5841667	63.9346667	-93.5841667	Stationary	12	Cloudy	None	Rippled		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/15/2025	02:00:00	02:05:00	00:05	63.9346667	-93.5841667	63.9346667	-93.5841667	Stationary	12	Cloudy	None	Rippled		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/15/2025	03:00:00	03:05:00	00:05	63.9346667	-93.5841667	63.9346667	-93.5841667	Stationary	12	Cloudy	None	Rippled		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/15/2025	04:00:00	04:05:00	00:05	63.9346667	-93.5841667	63.9346667	-93.5841667	Stationary	12	Cloudy	None	Rippled		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/15/2025	05:00:00	05:05:00	00:05	63.9346667	-93.5841667	63.9346667	-93.5841667	Stationary	12	Cloudy	None	Rippled		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/16/2025	00:00:00	00:05:00	00:05	63.95	-93.5833333	63.9346667	-93.5833333	Stationary	20	Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/16/2025	01:00:00	01:05:00	00:05	63.9346667	-93.5833333	63.9346667	-93.5833333	Stationary	20	Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/16/2025	02:00:00	02:05:00	00:05	63.9346667	-93.5833333	63.9346667	-93.5833333	Stationary	20	Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/16/2025	03:00:00	03:05:00	00:05	63.9346667	-93.5833333	63.9346667	-93.5833333	Stationary	20	Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/16/2025	04:00:00	04:05:00	00:05	63.9346667	-93.5833333	63.9346667	-93.5833333	Stationary	20	Cloudy	None	Wavelets		Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/16/2025	05:00:00	05:05:00	00:05	63.9346667	-93.5833333	63.9346667	-93.5833333	Stationary	20	Cloudy	None	Wavelets		Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/17/2025	00:00:00	00:05:00	00:05	63.95	-93.584	63.95	-93.584	Stationary	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/17/2025	01:00:00	01:05:00	00:05	63.95	-93.584	63.95	-93.584	Stationary	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/17/2025	02:00:00	02:02:00	00:02	63.95	-93.584	63.95	-93.584	Stationary	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/17/2025	03:00:00	03:05:00	00:05	63.95	-93.584	63.95	-93.584	Stationary	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/17/2025	04:00:00	04:05:00	00:05	63.95	-93.584	63.95	-93.584	Stationary	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/17/2025	05:00:00	05:05:00	00:05	63.95	-93.584	63.95	-93.584	Stationary	12	Cloudy	None	Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/18/2025	00:00:00	00:05:00	00:05	63.9348333	-93.5833333	63.9348333	-93.5833333	Stationary	10	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/18/2025	01:00:00	01:05:00	00:05	63.9348333	-93.5833333	63.9348333	-93.5833333	Stationary	10	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/18/2025	02:00:00	02:05:00	00:05	63.9348333	-93.5833333	63.9348333	-93.5833333	Stationary	10	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/18/2025	03:00:00	03:05:00	00:05	63.9348333	-93.5833333	63.9348333	-93.5833333	Stationary	10	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/18/2025	04:00:00	04:05:00	00:05	63.9348333	-93.5833333	63.9348333	-93.5833333	Stationary	10	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/18/2025	05:00:00	05:05:00	00:05	63.9348333	-93.5833333	63.9348333	-93.5833333	Stationary	10	Cloudy		Wavelets	0.5	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/19/2025	00:00:00	00:05:00	00:05	63.9333333	-93.5835	63.9348333	-93.5835	Stationary	15	Cloudy	None	Wavelets	0.6	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/19/2025	01:00:00	01:05:00	00:05	63.95	-93.5841667	63.95	-93.5841667	Stationary	15	Cloudy	None	Wavelets	0.6	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/19/2025	02:00:00	02:05:00	00:05	63.95	-93.584	63.95	-93.584	Stationary	15	Cloudy	None	Wavelets	0.6	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/19/2025	03:00:00	03:05:00	00:05	63.95	-93.5838333	63.95	-93.5838333	Stationary	15	Cloudy	None	Wavelets	0.6	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/19/2025	04:00:00	04:05:00	00:05	63.95	-93.5838333	63.95	-93.5838333	Stationary	15	Cloudy	None	Wavelets	0.6	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/19/2025	05:05:00	05:10:00	00:05	63.95	-93.5838333	63.95	-93.5838333	Stationary	15	Cloudy	None	Wavelets	0.6	Light Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/20/2025	00:00:00	00:05:00	00:05	63.9348333	-93.5841667	63.9348333	-93.5841667	Stationary	10	Snow	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/20/2025	01:00:00	01:05:00	00:05	63.95	-93.5841667	63.95	-93.5841667	Stationary	10	Snow	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/20/2025	02:00:00	02:05:00	00:05	63.95	-93.5841667	63.95	-93.5841667	Stationary	10	Snow	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/20/2025	03:00:00	03:05:00	00:05	63.95	-93.5841667	63.95	-93.5841667	Stationary	10	Snow	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/20/2025	04:00:00	04:05:00	00:05	63.95	-93.5841667	63.95	-93.5841667	Stationary	10	Snow	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/20/2025	05:00:00	05:05:00	00:05	63.95	-93.5841667	63.95	-93.5841667	Stationary	10	Snow	None	Slight	0.8	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	08:17:00	08:22:00	00:05	61.2208333	-66.6318333	61.225	-66.6523333	Moving	12	Clear or Partly Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	08:30:00	08:35:00	00:05	61.234	-66.6958333	61.241	-66.73	Moving	12	Clear or Partly Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	08:42:00	08:47:00	00:05	61.2503333	-66.777	61.2581667	-66.8145	Moving	12	Clear or Partly Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	08:52:00	08:57:00	00:05	61.2676667	-66.8595	61.2738333	-66.89	Moving	12	Clear or Partly Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	09:03:00	09:08:00	00:05	61.2745	-66.9433333	61.2883333	-66.9615	Moving	12	Clear or Partly Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	09:12:00	09:17:00	00:05	61.2905	-66.9801667	61.2988333	-67.0078333	Moving	12	Clear or Partly Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/23/2025	08:20:00			62.6035	-77.064	62.6046667	-77.1091667	Moving	6	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/23/2025	08:32:00	08:37:00	00:05	62.6061667	-77.1551667	62.6076667	-77.1936667	Moving	6	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/23/2025	08:40:00	08:45:00	00:05	62.6103333	-77.2231667	62.6096667	-77.259	Moving	6	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/23/2025	08:50:00	08:55:00	00:05	62.6103333	-77.3013333	62.6111667	-77.3405	Moving	6	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/23/2025	09:02:00	09:07:00	00:05	62.6131667	-77.3935	62.6145	-77.338	Moving	6	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/23/2025	09:12:00	09:17:00	00:05	62.616	-77.4753333	62.6171667	-77.5155	Moving	6	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/24/2025	08:32:00	08:37:00	00:05	62.4025	-88.3263333	62.4051667	-88.3611667	Moving	20	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/24/2025	08:45:00	08:50:00	00:05	62.4093333	-88.4011667	62.4123333	-88.4625	Moving	20	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/24/2025	09:00:00	09:05:00	00:05	62.4168333	-88.5363333	62.409	-88.6321667	Moving	20	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/24/2025	09:10:00	09:15:00	00:05	62.4288333	-88.6688333			Moving	20	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/24/2025	09:20:00	09:25:00	00:05	62.4335	-88.7201667	62.435	-88.7406667	Moving	20	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/24/2025	09:35:00	09:40:00	00:05	62.4383333	-88.7851667	62.441	-88.8146667	Moving	20	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/25/2025	08:58:00	09:03:00	00:05	62.7793333	-92.0611667	62.7788333	-92.0611667	Stationary	8	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Gale Force Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/25/2025	09:10:00	09:15:00	00:05	62.7788333	-92.061	62.7788333	-92.061	Stationary	8	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Gale Force Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/25/2025	09:18:00	09:23:00	00:05	62.7788333	-92.061	62.7788333	-92.061	Stationary	8	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Gale Force Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/25/2025	09:30:00	09:35:00	00:05	62.7788333	-92.1108333	62.7788333	-92.0608333	Stationary	8	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Gale Force Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/25/2025	09:37:00	09:42:00	00:05	62.7788333	-92.0606667	62.7788333	-92.0606667	Stationary	8	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Gale Force Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/25/2025	09:47:00	09:52:00	00:05	62.7788333	-92.0606667	62.7788333	-92.061	Stationary	8	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	Gale Force Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	09:25:00	09:30:00	00:05	62.7788333	-92.0606667	62.7788333	-92.0606667	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	09:33:00	09:38:00	00:05	62.7788333	-92.0606667	62.7788333	-92.0606667	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	08:52:00	08:57:00	00:05	62.7788333	-92.061	62.7788333	-92.061	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	09:20:00	09:07:00	23:47	62.7788333	-92.061	62.7788333	-92.061	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	09:10:00	09:15:00	00:05	62.7788333	-92.061	62.7788333	-92.061	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	09:18:00	09:23:00	00:05	62.7788333	-92.0606667	62.7788333	-92.0606667	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/27/2025	08:55:00	09:00:00	00:05	62.7746667	-92.0615	62.7746667	-92.0615	Stationary	20	Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/27/2025	09:02:00	09:07:00	00:05	62.7748333	-92.0623333	62.7748333	-92.0623333	Stationary	20	Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/27/2025	09:10:00	09:15:00	00:05	62.7748333	-92.0623333	62.7746667	-92.0621667	Stationary	20	Cloudy	None	Rippled	0.2	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/27/2025	09:18:00	09:23:00	00:05	62.775	-92.0631667	62.775	-92.0631667	Stationary	20	Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/27/2025	09:25:00	09:30:00	00:05	62.7751667	-92.0631667	62.7751667	-92.0631667	Stationary	20	Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/27/2025	09:31:00	09:36:00	00:05	62.7748333	-92.0631667	62.7748333	-92.0633333	Stationary	20	Cloudy	None	Rippled	0.2	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	09:12:00	09:17:00	00:05	62.7751667	-92.0635	62.7751667	-92.0633333	Stationary	20	Cloudy		Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	09:20:00	09:25:00	00:05	62.7748333	-92.0625	62.7748333	-92.0623333	Stationary	20	Cloudy		Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	09:27:00	09:32:00	00:05	62.7748333	-92.0626667	62.7748333	-92.0628333	Stationary	20	Cloudy		Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	09:34:00	09:39:00	00:05	62.7748333	-92.0625	62.7748333	-92.0625	Stationary	20	Cloudy		Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	09:41:00	09:46:00	00:05	62.7748333	-92.0625	62.7748333	-92.0625	Stationary	20	Cloudy		Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	09:50:00	09:55:00	00:05	62.7746667	-92.0625	62.7748333	-92.0625	Stationary	20	Cloudy		Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/29/2025				62.7483333	-92.0316667			Stationary	2	Snow	None	Very Rough	2	
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/30/2025	09:35:00	09:40:00	00:05	62.7728333	-92.0495	62.7728333	-92.0495	Stationary	15	Cloudy	None	Slight	0.75	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/30/2025	09:47:00	09:52:00	00:05	62.7728333	-92.0496667	62.7728333	-92.0496667	Stationary	15	Cloudy	None	Slight	0.75	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/30/2025	10:00:00	10:05:00	00:05	62.7728333	-92.0496667	62.7728333	-92.0496667	Stationary	15	Cloudy	None	Slight	0.75	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/30/2025	10:07:00	10:12:00	00:05	62.7728333	-92.0498333	62.7728333	-92.0498333	Stationary	15	Cloudy	None	Slight	0.75	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/30/2025	10:14:00	10:19:00	00:05	62.7728333	-92.0498333	62.7728333	-92.0496667	Stationary	15	Cloudy	None	Slight	0.75	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/31/2025	08:57:00	09:02:00	00:05	62.773	-92.05	62.773	-92.0496667	Stationary	25	Clear or Partly Cloudy	None	Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/31/2025	09:04:00	09:09:00	00:05	62.773	-92.0498333	62.773	-92.05	Stationary	25	Clear or Partly Cloudy	None	Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/31/2025	09:11:00	09:16:00	00:05	62.773	-92.0495	62.773	-92.0496667	Stationary	25	Clear or Partly Cloudy	None	Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/31/2025	09:19:00	09:24:00	00:05	62.7728333	-92.0493333	62.7728333	-92.0493333	Stationary	25	Clear or Partly Cloudy	None	Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/31/2025	09:26:00	09:34:00	00:08	62.773	-92.0493333	62.773	-92.0493333	Stationary	25	Clear or Partly Cloudy	None	Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/31/2025	09:34:00	09:39:00	00:05	62.773	-92.0493333	62.773	-92.0495	Stationary	25	Clear or Partly Cloudy	None	Rippled	0.1	Calm
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/1/2025	16:02:00	16:07:00	00:05	62.47	-89.1766667	62.4666667	-89.1333333	Moving	30	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/1/2025	16:09:00	16:14:00	00:05	62.465	-89.115	62.4616667	-89.6716667	Moving	30	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/1/2025	16:19:00	16:23:00	00:04	62.46	-89.115	62.4566667	-88.9933333	Moving	30	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/1/2025	16:24:00	16:29:00	00:05	62.456	-88.9833333	62.4533333	-88.9416667	Moving	30	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/1/2025	16:32:00	16:37:00	00:05	62.45	-88.9166667	62.4466667	-88.8716667	Moving	30	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/1/2025	16:40:00	16:45:00	00:05	62.4433333	-88.8466667	62.44	-88.8033333	Moving	30	Clear or Partly Cloudy	None	Slight	0.4	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/2/2025	16:06:00	16:11:00	00:05	62.5666667	-75.9766667	62.5666667	-75.9416667	Moving	35	Clear or Partly Cloudy	None	Slight	0.3	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/2/2025	16:12:00	16:17:00	00:05	62.5666667	-75.94	62.5666667	-75.8783333	Moving	35	Clear or Partly Cloudy	None	Slight	0.3	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/2/2025	16:19:00	16:24:00	00:05	62.5666667	-75.86	62.5666667	-75.815	Moving	35	Clear or Partly Cloudy	None	Slight	0.3	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/2/2025	16:25:00	16:30:00	00:05	62.5666667	-75.8066667	62.565	-75.77	Moving	35	Clear or Partly Cloudy	None	Slight	0.3	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/2/2025	16:33:00	16:38:00	00:05	62.565	-75.7416667	62.5633333	-75.6966667	Moving	35	Clear or Partly Cloudy	None	Slight	0.3	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/2/2025	16:40:00	16:45:00	00:05	62.5633333	-75.68	62.5616667	-75.635	Moving	35	Clear or Partly Cloudy	None	Slight	0.3	Light Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/3/2025	18:01:00	18:06:00	00:05	60.58	-64.0916667	60.565	-64.0716667	Moving	10	Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/3/2025	18:07:00	18:12:00	00:05	60.5633333	-64.0683333	60.5483333	-64.0483333	Moving	10	Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/3/2025	18:13:00	18:18:00	00:05	60.545	-64.045	60.5316667	-64.0216667	Moving	10	Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/3/2025	18:20:00	18:25:00	00:05	60.5266667	-64.0116667	60.5116667	-63.9916667	Moving	10	Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/3/2025	18:25:00	18:31:00	00:06			60.51	-63.9883333	Moving	10	Cloudy	None	Moderate	1.4	Strong Wind
Desgagnes Transarctik	SEDNA DESGAGNÉS	11/3/2025	16:33:00	18:38:00	02:05	60.4933333	-63.9666667	60.4566667	-63.9133333	Moving	10	Cloudy	None	Moderate	1.4	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/5/2025	12:00:00			64.2966667	-95.9483333			Stationary	183	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/5/2025	13:00:00							Stationary	183	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/5/2025	14:00:00							Stationary	183	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/5/2025	15:00:00							Stationary	183	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/5/2025	16:00:00							Stationary	183	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/5/2025	17:00:00							Stationary	183	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/6/2025	12:00:00			64.2983333	-95.9483333			Stationary	18	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/6/2025	13:00:00							Stationary	18	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/6/2025	14:00:00							Stationary	18	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/6/2025	15:00:00							Stationary	18	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/6/2025	16:00:00							Stationary	18	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	TUVAQ W	10/6/2025	17:00:00							Stationary	18	Cloudy	Slight/ Grey	Moderate	1	Strong Wind
Coastal Shipping Ltd	QIKIQTAALUK W	7/21/2025	16:00:00	17:00:00	01:00	62.5233333	-91.1533333	62.6566667	-91.3033333	Moving	16	Cloudy	None	Wavelets	0.3	Calm
Coastal Shipping Ltd	QIKIQTAALUK W	7/22/2025	16:00:00	17:00:00	01:00						10	Medium to Heavy Rain	None	Rough	2	Strong Wind
Coastal Shipping Ltd	QIKIQTAALUK W	7/25/2025	18:00:00	19:00:00	01:00	62.7566667	-91.985	62.6816667	-91.5333333	Moving	15	Clear or Partly Cloudy	None	Wavelets	0.1	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	7/26/2025	14:30:00	15:30:00	01:00	62.5133333	-91.1566667	62.6283333	-91.0133333	Moving	15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	7/31/2025	14:00:00	15:00:00	01:00	63.1133333	-90.3383333	63.2633333	-90.4383333	Moving	15	Clear or Partly Cloudy	None	Slight	0.25	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	8/1/2025	12:00:00	13:00:00	01:00	63.94	-93.6383333			Stationary	10	Clear or Partly Cloudy	Bright on Observer's Side	Slight	1	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Coastal Shipping Ltd	QIKIQTAALUK W	8/6/2025	18:00:00	19:00:00	01:00	63.96	-93.2616667			Moving	15	Clear or Partly Cloudy	Slight/ Grey	Slight	1	Strong Wind
Coastal Shipping Ltd	QIKIQTAALUK W	10/31/2025	21:00:00	21:30:00	00:30	63.4916667	-91.1366667			Stationary	6	Cloudy	Slight/ Grey	Rippled	0.2	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/1/2025	14:00:00	16:00:00	02:00	62.81	-90.5483333	62.615	-91.0016667	Moving	6	Cloudy	Slight/ Grey	Slight	0.5	Strong Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/2/2025	12:00:00	14:00:00	02:00	62.7866667	-90.1166667			Stationary		Clear or Partly Cloudy	Bright on Observer's Side			Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/3/2025	15:00:00	16:00:00	01:00	62.7133333	-91.73	62.54	-91.1233333	Moving	6	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/4/2025	15:00:00	16:00:00	01:00	63.4916667	-91.275			Stationary	6	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/5/2025				63.5183333	-91.0683333			Stationary	4	Clear or Partly Cloudy	Slight/ Grey	Moderate	1	
Coastal Shipping Ltd	QIKIQTAALUK W	11/6/2025	12:00:00	13:00:00	01:00	62.6183333	-90.9816667	62.515	-91.2416667	Moving	6	Cloudy	Slight/ Grey	Slight	0.5	Strong Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/4/2025	14:00:00	15:00:00	01:00	62.795	-91.9816667			Stationary	6	Clear or Partly Cloudy	None	Wavelets	0.5	Strong Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/8/2025	14:00:00	15:00:00	01:00	68.7883333	-91.9766667			Stationary	7	Clear or Partly Cloudy	Bright on Observer's Side	Rough	1.5	
Coastal Shipping Ltd	QIKIQTAALUK W	11/9/2025	14:00:00	15:00:00	01:00	62.7883333	-91.98			Stationary	6	Cloudy	Slight/ Grey	Slight	0.3	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/11/2025	14:00:00	15:00:00	01:00	62.7933333	-91.9816667			Stationary	4	Medium to Heavy Rain	Slight/ Grey	Moderate	1.5	Strong Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/13/2025	13:00:00	14:00:00	01:00	62.7883333	-91.9766667			Stationary	6	Clear or Partly Cloudy	Bright on Observer's Side	Moderate	1.5	Gale Force Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/14/2025	12:00:00	13:00:00	01:00	62.7883333	-91.9683333			Stationary	15	Cloudy	None	Rough	2	Gale Force Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/15/2025	14:00:00	15:00:00	01:00	62.6016667	-91.12	62.675	-91.4716667	Moving	12	Cloudy	Slight/ Grey	Very Rough	3	Strong Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/16/2025	16:00:00	17:00:00	01:00	62.7966667	-92.0966667	62.7966667	-92.0966667	Stationary	12	Cloudy	None	Wavelets	0.5	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/17/2025	13:00:00	14:00:00	01:00	62.7966667	-92.0966667	62.7966667	-92.0966667	Stationary	15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/18/2025	13:00:00	14:00:00	01:00	62.7966667	-92.0966667	62.7966667	-92.0966667	Stationary	12	Clear or Partly Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	QIKIQTAALUK W	11/19/2025	13:00:00	14:00:00	01:00	62.7966667	-92.0966667	62.7966667	-92.0966667	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/17/2025	17:36:00	17:43:00	00:07	60.7433333	-65.715	60.7533333	-65.7466667	Moving	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/17/2025	17:43:00	17:48:00	00:05	60.7533333	-65.7466667	60.7616667	-65.7816667	Moving	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/17/2025	17:48:00	17:53:00	00:05	60.7616667	-69.7816667	60.77	-65.815	Moving	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/17/2025	17:53:00	18:00:00	00:07	60.77	-65.815	60.7816667	-65.705	Moving	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/17/2025	17:27:00	17:32:00	00:05	60.7283333	-65.6466667	60.735	-65.6733333	Moving	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/17/2025	17:32:00	17:36:00	00:04	60.735	-65.6733333	60.7433333	-65.7083333	Moving	1	Fog	Slight/ Grey	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	02:00:00	02:05:00	00:05	61.58	-69.2933333	61.59	-69.3433333	Moving	12	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	02:05:00	02:10:00	00:05	61.59	-69.2933333	61.595	-69.3666667	Moving	12	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	02:10:00	02:15:00	00:05	61.595	-69.3666667	61.605	-69.4033333	Moving	12	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	02:15:00	02:20:00	00:05	61.605	-69.4033333	61.6116667	-69.4316667	Moving	12	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	02:20:00	02:25:00	00:05	61.6116667	-69.4316667	61.6216667	-69.4733333	Moving	12	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	02:25:00	02:30:00	00:05	61.6216667	-69.4733333	61.63	-69.5066667	Moving	12	Cloudy	None	Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	17:27:00	17:32:00	00:05	62.595	-76.505	62.5966667	-76.5483333	Moving	5	Cloudy	None	Very Rough	2.9	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	17:32:00	17:37:00	00:05	62.5966667	-76.5483333	62.5983333	-76.5866667	Moving	5	Cloudy	None	Very Rough	2.9	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	17:37:00	17:42:00	00:05	62.5983333	-76.5866667	62.6	-76.6183333	Moving	5	Cloudy	None	Very Rough	2.9	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	17:42:00	17:47:00	00:05	62.6	-76.6183333	62.6016667	-76.665	Moving	5	Cloudy	None	Very Rough	2.9	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	17:47:00	17:52:00	00:05	62.6016667	-76.6583333	62.6016667	-76.7016667	Moving	5	Cloudy	None	Very Rough	2.9	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/18/2025	17:52:00	17:57:00	00:05	62.6016667	-76.7016667	62.6033333	-76.7383333	Moving	5	Cloudy	None	Very Rough	2.9	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	02:00:00	02:05:00	00:05	62.3183333	-80.8216667	62.3133333	-80.865	Moving	8	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	02:05:00	02:10:00	00:05	62.3133333	-80.865	62.3083333	-80.9016667	Moving	8	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	02:10:00	02:15:00	00:05	62.3083333	-80.9016667	62.3033333	-80.9533333	Moving	8	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	02:15:00	02:20:00	00:05	62.3033333	-80.9533333	62.2983333	-80.985	Moving	8	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	02:20:00	02:25:00	00:05	62.2983333	-80.985	62.2916667	-81.0216667	Moving	8	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	02:25:00	02:30:00	00:05	62.2916667	-81.0216667	62.285	-81.0516667	Moving	8	Cloudy	None	Slight	1	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	18:28:00	18:33:00	00:05	62.37	-88.08	62.3716667	-88.1033333	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	18:38:00	18:43:00	00:05	62.3733333	-88.13	62.375	-88.1583333	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	18:43:00	18:48:00	00:05	62.375	-88.1583333	62.3766667	-88.185	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	18:48:00	18:53:00	00:05	62.3766667	-88.185	62.3783333	-88.2116667	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	18:53:00	18:58:00	00:05	62.3783333	-88.2116667	62.38	-88.2366667	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	18:58:00	19:03:00	00:05	62.38	-88.2366667	62.3833333	-88.2633333	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	08:00:00	08:05:00	00:05	62.13	-84.885	62.1266667	-84.845	Moving	10	Cloudy	None	Slight	0.2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	08:05:00	08:10:00	00:05	62.1266667	-84.84			Moving	10	Cloudy	None	Slight	0.2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	08:10:00	08:15:00	00:05	62.125	-84.805	62.1316667	-84.77	Moving	10	Cloudy	None	Slight	0.2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	08:15:00	08:20:00	00:05	62.1233333	-84.805	62.12	-84.72	Moving	10	Cloudy	None	Slight	0.2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	08:20:00	08:25:00	00:05	62.12	-84.72	62.1166667	-84.7033333	Moving	10	Cloudy	None	Slight	0.2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	08:25:00	08:30:00	00:05	62.1166667	-84.7033333	62.115	-84.6433333	Moving	10	Cloudy	None	Slight	0.2	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	15:40:00	15:45:00	00:05	62.2633333	-81.2716667	62.27	-81.21	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	15:45:00	15:50:00	00:05	62.27	-81.21	62.275	-81.1783333	Moving	10	Cloudy	None	Slight	1.5	Strong Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	15:50:00	15:59:00	00:09	62.275	-81.1783333	62.2766667	-81.1533333	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	15:55:00	16:00:00	00:05	62.2766667	-81.1533333	62.2833333	-81.1033333	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	16:00:00	16:05:00	00:05	62.2833333	-81.1033333	62.2883333	-81.0583333	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/31/2025	16:05:00	16:10:00	00:05	62.2883333	-81.0583333	62.2933333	-81.0216667	Moving	10	Cloudy	None	Slight	1.5	Strong Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	09:30:00	09:35:00	00:05	62.2233333	-72.1433333	62.2116667	-72.0916667		15	Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	09:35:00	09:40:00	00:05	62.2116667	-72.0916667	62.2033333	-72.0383333		15	Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	09:40:00	09:45:00	00:05	62.2033333	-72.3383333	62.1966667	-71.9816667		15	Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	09:45:00	09:50:00	00:05	62.1933333	-71.9733333	62.1866667	-71.96		15	Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	09:50:00	09:55:00	00:05	62.1866667	-71.96	62.18	-71.9183333		15	Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	09:55:00	10:00:00	00:05	62.18	-71.9183333	62.1666667	-71.87		15	Cloudy	Slight/ Grey	Slight	0.5	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	14:45:00	14:50:00	00:05	61.62	-69.455	61.61	-69.4116667	Moving	20	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	14:50:00	14:55:00	00:05	61.61	-69.4116667	61.6	-69.365	Moving	20	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	14:55:00	15:00:00	00:05	61.6	-69.365	61.66	-69.34	Moving	20	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	15:00:00	15:05:00	00:05	61.5933333	-69.34	61.5816667	-69.29	Moving	20	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	15:05:00	15:10:00	00:05	61.5816667	-69.29	61.57	-69.2683333	Moving	20	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	15:10:00	15:15:00	00:05	61.57	-69.2683333	61.5666667	-69.2416667	Moving	20	Clear or Partly Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	10:45:00	10:55:00	00:10	60.384	-63.1516667	60.405	-63.16	Moving	32	Cloudy	Slight/ Grey	Moderate	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	11:37:00	11:45:00	00:08	60.5	-63.9766667	60.415	-63.965	Moving	32	Cloudy	Slight/ Grey	Moderate	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	16:40:00	16:45:00	00:05	60.75	-65.1666667				18	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	16:45:00	16:50:00	00:05	60.75	-65.2166667				18	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	16:50:00	16:55:00	00:05	60.75	-63.2333333				18	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	16:55:00	17:00:00	00:05	60.75	-65.25				18	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	17:00:00	17:05:00	00:05						18	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	17:05:00	17:10:00	00:05	60.7666667	-65.3166667				18	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	10:45:00	10:50:00	00:05	61.6616667	-71.1566667	61.6783333	-71.1566667	Moving	30	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	10:50:00	10:55:00	00:05	61.6683333	-71.1583333	61.6783333	-71.1833333	Moving	30	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	10:55:00	11:00:00	00:05	61.6783333	-71.1833333	61.6883333	-71.2083333	Moving	30	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	11:00:00	11:05:00	00:05	61.6883333	-71.2083333	61.7016667	-71.24	Moving	30	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	11:05:00	11:10:00	00:05	61.7016667	-71.24	61.7116667	-71.2633333	Moving	30	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	11:10:00	11:15:00	00:05	61.7116667	-71.265	61.7216667	-71.2883333	Moving	30	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	11:20:00	11:25:00	00:05	61.735	-71.3216667	61.7433333	-71.3433333	Moving	20	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	11:25:00	11:30:00	00:05	61.7433333	-71.3466667	61.75	-71.375	Moving	20	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	11:30:00	11:35:00	00:05	61.75	-71.375	61.7516667	-71.4133333	Moving	20	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	11:35:00	11:40:00	00:05	61.7566667	-71.4133333	61.7633333	-71.4316667	Moving	20	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	11:40:00	11:45:00	00:05	61.765	-71.4366667	61.7716667	-71.4633333	Moving	20	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	11:15:00	11:20:00	00:05	61.7233333	-71.2933333	61.735	-71.32	Moving	20	Cloudy		Rough	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	16:05:00	16:10:00	00:05	62.3	-72.6			Moving	8	Fog		Moderate	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	16:15:00	16:20:00	00:05	62.3333333	-72.65			Moving	8	Fog		Moderate	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	16:25:00	16:30:00	00:05	62.35	-72.7			Moving	8	Fog		Moderate	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	16:32:00	16:37:00	00:05	62.3666667	-72.75			Moving	8	Fog		Moderate	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	16:40:00	16:45:00	00:05	62.3833333	-72.7833333			Moving	8	Fog		Moderate	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	16:50:00	16:55:00	00:05	62.4	-72.8333333			Moving	8	Fog		Moderate	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	08:00:00	08:05:00	00:05	63.73	-78.2216667	63.7216667	-78.2566667		20	Cloudy		Moderate	1.5	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	08:10:00	08:15:00	00:05	63.715	-78.285	63.705	-78.2983333		20	Cloudy		Moderate	1.5	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	08:20:00	08:25:00	00:05	63.6983333	-78.3416667	63.69	-78.37		20	Cloudy		Moderate	1.5	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	08:30:00	08:35:00	00:05	63.6833333	-78.3966667	63.6716667	-78.4333333		20	Cloudy		Moderate	1.5	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	08:40:00	08:45:00	00:05	63.6666667	-78.455	63.6583333	-78.4866667		20	Cloudy		Moderate	1.5	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	08:50:00	08:55:00	00:05	63.6516667	-78.5133333	63.6416667	-78.5516667		20	Cloudy		Moderate	1.5	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	09:00:00	09:05:00	00:05	63.6316667	-78.5833333	63.6266667	-78.605	Moving	16			Rough	2	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	09:10:00	09:15:00	00:05	63.62	-78.6333333	63.6033333	-78.67	Moving	16			Rough	2	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	09:20:00	09:25:00	00:05	63.6033333	-78.7	63.5933333	-78.7366667	Moving	16			Rough	2	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	09:30:00	09:35:00	00:05	63.585	-78.7666667	63.5766667	-78.7983333	Moving	16			Rough	2	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	09:40:00	09:45:00	00:05	63.5683333	-78.8283333	63.56	-78.86	Moving	16			Rough	2	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	09:50:00	09:55:00	00:05	63.5516667	-78.8883333	63.5466667	-78.9083333	Moving	16			Rough	2	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	11:00:00	11:05:00	00:05	63.4333333	-79.3216667	63.4216667	-79.365		20	Cloudy		Rough	2	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	11:10:00	11:15:00	00:05	63.415	-79.3916667	63.4066667	-79.42		20	Cloudy		Rough	2	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	11:20:00	11:25:00	00:05	63.3966667	-79.4566667	63.39	-79.4866667		20	Cloudy		Rough	2	Gale Force Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	11:30:00	11:35:00	00:05	63.38	-79.5216667	63.3716667	-79.5516667		20	Cloudy		Rough	2	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	11:40:00	11:45:00	00:05	63.3633333	-79.5866667	63.355	-79.62		20	Cloudy		Rough	2	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	11:50:00	11:55:00	00:05	63.3483333	-79.6483333	63.3433333	-79.6666667		20	Cloudy		Rough	2	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	15:05:00	15:10:00	00:05	63.245	-81.1566667	63.245	-81.1966667		20	Cloudy		Rough	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	15:15:00	15:20:00	00:05	63.245	-81.2083333	63.2433333	-81.255		20	Cloudy		Rough	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	15:25:00	15:30:00	00:05	63.2416667	-81.29	63.2416667	-81.3383333		20	Cloudy		Rough	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	15:33:00	15:38:00	00:05	63.2416667	-81.3533333	63.24	-81.4		20	Cloudy		Rough	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	15:40:00	15:45:00	00:05	63.2383333	-81.4066667	63.2366667	-81.4566667		20	Cloudy		Rough	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	15:50:00	15:55:00	00:05	63.2366667	-81.485	63.2333333	-81.5316667		20	Cloudy		Rough	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	16:00:00	16:05:00	00:05	63.2333333	-81.56	63.23	-81.615	Moving	20	Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	16:08:00	16:13:00	00:05	63.23	-81.625	63.2283333	-81.6716667	Moving	20	Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	16:15:00	16:20:00	00:05	63.2266667	-81.6783333	63.2266667	-81.7316667	Moving	20	Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	16:40:00	16:45:00	00:05	63.2216667	-81.875	63.2216667	-81.9266667	Moving	20	Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	16:23:00	16:28:00	00:05	63.225	-81.7433333	63.2233333	-81.7966667	Moving	20	Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	16:30:00	16:35:00	00:05	63.2233333	-81.8016667	63.225	-81.8083333	Moving	20	Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	08:35:00	08:40:00	00:05	62.68	-88.7533333	62.6783333	-88.78	Moving		Cloudy		Wavelets	0.2	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	08:45:00	08:50:00	00:05	62.675	-88.8216667	62.6716667	-88.8566667	Moving		Cloudy		Wavelets	0.2	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	08:55:00	09:00:00	00:05	62.6683333	-88.8933333	62.6633333	-88.9366667	Moving		Cloudy		Wavelets	0.2	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	09:05:00	09:10:00	00:05	62.6616667	-88.9633333	62.6566667	-89.0016667	Moving		Cloudy		Wavelets	0.2	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	09:15:00	09:20:00	00:05	62.6533333	-89.04	62.65	-89.08	Moving		Cloudy		Wavelets	0.2	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	09:25:00	09:30:00	00:05	62.6483333	-89.1116667	62.645	-89.1433333	Moving		Cloudy		Wavelets	0.2	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	09:35:00	09:40:00	00:05	62.6433333	-89.1851667	62.64	-90		20	Cloudy		Wavelets	0.2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	09:45:00	09:50:00	00:05	62.6383333	-89.255	62.635	-89.2866667		20	Cloudy		Wavelets	0.2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	09:55:00	10:00:00	00:05	62.6333333	-89.3266667	62.6316667	-89.3566667		20	Cloudy		Wavelets	0.2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	10:05:00	10:10:00	00:05	62.63	-89.385	62.625	-89.45		20	Cloudy		Wavelets	0.2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	10:15:00	10:20:00	00:05	62.6233333	-89.48	62.6216667	-89.5116667		20	Cloudy		Wavelets	0.2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	10:25:00	10:30:00	00:05	62.62	-89.5466667	62.6166667	-89.5666667		20	Cloudy		Wavelets	0.2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	15:15:00	15:20:00	00:05	62.695	-91.5816667	62.705	-91.6366667		25	Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	15:23:00	15:28:00	00:05	62.705	-91.635	62.7116667	-91.6916667		25	Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	15:30:00	15:35:00	00:05	62.7116667	-91.6966667	62.715	-91.73		25	Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	15:37:00	15:42:00	00:05	62.7166667	-91.7366667	62.7216667	-91.78		25	Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	15:45:00	15:50:00	00:05	62.7233333	-91.7883333	62.7283333	-91.835		25	Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	15:53:00	15:58:00	00:05	62.7283333	-91.8383333	62.725	-91.87		25	Cloudy		Wavelets	1	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	16:05:00	16:10:00	00:05	62.7266667	-91.8883333	62.7316667	-91.9333333	Moving	25	Cloudy		Rippled	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	16:12:00	16:17:00	00:05	62.7333333	-91.9383333	62.7433333	-91.9916667	Moving	25	Cloudy		Rippled	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	16:20:00	16:25:00	00:05	62.7433333	-91.995	62.75	-92.0333333	Moving	25	Cloudy		Rippled	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	16:27:00	16:32:00	00:05	62.7516667	-91.0366667	62.76	-92.0583333	Moving	25	Cloudy		Rippled	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	16:34:00	16:39:00	00:05	62.7616667	-92.0616667	62.7633333	-92.0716667	Moving	25	Cloudy		Rippled	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	16:40:00	16:45:00	00:05	62.7683333	-92.0733333	62.7683333	-92.0833333	Moving	25	Cloudy		Rippled	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	13:05:00	13:10:00	00:05	62.59	-90.935	62.5966667	-90.98		20	Cloudy		Moderate	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	13:15:00	13:20:00	00:05	62.5983333	-90.99	62.6083333	-91.0466667		20	Cloudy		Moderate	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	13:25:00	13:30:00	00:05	62.615	-91.0516667	62.6183333	-91.105		20	Cloudy		Moderate	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	13:35:00	13:40:00	00:05	62.6233333	-91.1233333	62.63	-91.1666667		20	Cloudy		Moderate	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	13:45:00	13:50:00	00:05	62.6366667	-91.2183333	62.64	-91.23		20	Cloudy		Moderate	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	13:55:00	14:00:00	00:05	62.6433333	-91.2483333	62.65	-91.295		20	Cloudy		Moderate	2	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	14:45:00	14:50:00	00:05	62.695	-91.5933333	62.6983333	-91.6266667	Moving	20	Clear or Partly Cloudy	Slight/ Grey	Very Rough	2.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	14:55:00	15:00:00	00:05	62.7033333	-91.6583333	62.71	-91.6933333	Moving	20	Clear or Partly Cloudy	Slight/ Grey	Very Rough	2.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	15:05:00	15:10:00	00:05	62.7133333	-91.7283333	62.7183333	-91.7616667	Moving	20	Clear or Partly Cloudy	Slight/ Grey	Very Rough	2.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	15:15:00	15:20:00	00:05	62.7233333	-91.7966667	62.7266667	-91.8266667	Moving	20	Clear or Partly Cloudy	Slight/ Grey	Very Rough	2.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	15:25:00	15:30:00	00:05	62.73	-91.8483333	62.7266667	-91.8683333	Moving	20	Clear or Partly Cloudy	Slight/ Grey	Very Rough	2.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/5/2025	15:35:00	15:40:00	00:05	62.725	-91.8983333	62.7316667	-91.93	Moving	20	Clear or Partly Cloudy	Slight/ Grey	Very Rough	2.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	13:15:00	13:20:00	00:05	62.06	-83.5683333	62.0583333	-83.5366667		20	Clear or Partly Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	13:21:00	13:26:00	00:05	62.0583333	-83.5316667	62.0566667	-83.485		20	Clear or Partly Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	13:29:00	13:34:00	00:05	62.0566667	-83.4816667	62.055	-83.4483333		20	Clear or Partly Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	13:35:00	13:39:00	00:04	62.055	-83.435	62.0533333	-83.4066667		20	Clear or Partly Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	13:40:00	13:45:00	00:05	62.0533333	-83.4033333	62.0516667	-83.3716667		20	Clear or Partly Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	13:46:00	13:51:00	00:05	62.0516667	-83.3666667	62.0516667	-83.325		20	Clear or Partly Cloudy		Moderate	3	Strong Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	19:00:00	19:05:00	00:05	62.555	-81.4216667	62.5583333	-81.3783333	Moving	10	Cloudy		Very Rough	4	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	19:10:00	19:15:00	00:05	62.56	-81.3483333	62.5666667	-81.3066667	Moving	10	Cloudy		Very Rough	4	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	19:20:00	19:25:00	00:05	62.5666667	-81.2683333	62.5716667	-81.2283333	Moving	10	Cloudy		Very Rough	4	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	19:30:00	19:35:00	00:05	62.575	-81.1916667	62.5783333	-81.1466667	Moving	10	Cloudy		Very Rough	4	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	19:40:00	19:45:00	00:05	62.5816667	-81.1083333	62.585	-81.075	Moving	10	Cloudy		Very Rough	4	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/6/2025	19:50:00	19:55:00	00:05	62.5866667	-81.0316667	62.59	-80.9933333	Moving	10	Cloudy		Very Rough	4	Gale Force Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	12:32:00	12:37:00	00:05	62.5233333	-73.5533333	62.5216667	-73.52	Moving	20	Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	12:38:00	12:43:00	00:05	62.5216667	-73.5133333	62.52	-73.4716667	Moving	20	Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	12:44:00	12:49:00	00:05	62.52	-73.4666667	62.52	-73.4233333	Moving	20	Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	12:50:00	12:55:00	00:05	62.52	-73.42	62.52	-73.3833333	Moving	20	Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	12:56:00	13:01:00	00:05	62.52	-73.38	62.5183333	-73.3333333	Moving	20	Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	13:02:00	13:07:00	00:05	62.5183333	-73.3283333	62.5183333	-73.29	Moving	20	Cloudy		Moderate	3	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	19:00:00	19:05:00	00:05	61.6483333	-71.1033333	61.6383333	-71.0816667	Moving	20	Clear or Partly Cloudy		Moderate	1.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	19:10:00	19:15:00	00:05	61.63	-71.0616667	61.62	-71.0366667	Moving	20	Clear or Partly Cloudy		Moderate	1.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	19:20:00	19:25:00	00:05	61.61	-71.005	61.6	-70.9783333	Moving	20	Clear or Partly Cloudy		Moderate	1.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	19:30:00	19:35:00	00:05	61.5916667	-70.9516667	61.5816667	-70.925	Moving	20	Clear or Partly Cloudy		Moderate	1.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	19:40:00	19:45:00	00:05	61.565	-70.88	61.57	-70.8933333	Moving	20	Clear or Partly Cloudy		Moderate	1.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/7/2025	19:50:00	19:55:00	00:05	61.5533333	-70.8433333	61.5433333	-70.8083333	Moving	20	Clear or Partly Cloudy		Moderate	1.5	Strong Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	07:09:00	07:14:00	00:05	60.7083333	-66.325	60.705	-66.2916667	Moving	25	Clear or Partly Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	07:17:00	07:22:00	00:05	60.7016667	-66.2616667	60.6983333	-66.2366667	Moving	25	Clear or Partly Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	07:23:00	07:28:00	00:05	60.6983333	-66.2316667	60.695	-66.1933333	Moving	25	Clear or Partly Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	07:29:00	07:34:00	00:05	60.695	-66.1883333	60.69	-66.145	Moving	25	Clear or Partly Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	07:36:00	07:41:00	00:05	60.69	-66.1416667			Moving	25	Clear or Partly Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	07:42:00	07:47:00	00:05	60.6866667	-66.11	60.6816667	-66.0716667	Moving	25	Clear or Partly Cloudy		Slight	1.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	10:55:00	11:00:00	00:05	60.5283333	-64.7566667	60.5216667	-64.69		20	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	11:05:00	11:10:00	00:05	60.5166667	-64.6433333	60.515	-64.6116667		20	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	11:15:00	11:20:00	00:05	60.5133333	-64.5616667	60.5116667	-64.5083333		20	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	11:25:00	11:30:00	00:05	60.51	-64.455	60.5083333	-64.425		20	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	11:35:00	11:40:00	00:05	60.505	-64.3833333	60.5016667	-64.3466667		20	Clear or Partly Cloudy		Slight	0.5	Light Wind
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	11:45:00	11:50:00	00:05	60.5	-64.3016667	60.5	-64.3283333		20	Clear or Partly Cloudy		Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/15/2025	09:00:00	09:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/15/2025	09:10:00	09:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/15/2025	09:20:00	09:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/15/2025	09:30:00	09:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/15/2025	09:40:00	09:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/15/2025	09:50:00	09:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/14/2025	12:00:00	12:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/14/2025	12:10:00	12:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/14/2025	12:20:00	12:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/14/2025	12:30:00	12:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/14/2025	12:40:00	12:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/14/2025	12:50:00	12:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/4/2025	12:00:00	12:05:00	00:05	64.1183333	-94.3716667	64.1183333	-94.37	Stationary	5	Medium to Heavy Rain	None	Slight	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/4/2025	12:10:00	12:15:00	00:05	64.1183333	-94.37	64.1183333	-94.3716667	Stationary	5	Medium to Heavy Rain	None	Slight	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/4/2025	12:25:00	12:30:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	5	Medium to Heavy Rain	None	Slight	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/4/2025	12:35:00	12:40:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	5	Medium to Heavy Rain	None	Slight	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/4/2025	12:45:00	12:50:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	5	Medium to Heavy Rain	None	Slight	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/4/2025	12:55:00	13:00:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	5	Medium to Heavy Rain	None	Slight	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/5/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/5/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/5/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/5/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/5/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/5/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/6/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/6/2025	12:10:00	23:26:00	11:16	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/6/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Coastal Shipping Ltd	KIVALLIQ W	8/6/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/6/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/6/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/7/2025	12:00:00	12:05:00	00:05	64.1183333	-94.3716667	64.1183333	-94.37	Stationary	10			Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/7/2025	12:10:00	12:15:00	00:05	64.1183333	-94.37	64.1183333	-94.3716667	Stationary	10			Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/7/2025	12:25:00	12:30:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10			Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/7/2025	12:35:00	12:40:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10			Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/7/2025	12:45:00	12:50:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10			Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/7/2025	12:55:00	13:00:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10			Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/8/2025	12:00:00	12:05:00	00:05	64.1183333	-94.3716667	64.1183333	-94.37	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/8/2025	12:10:00	12:15:00	00:05	64.1183333	-94.37	64.1183333	-94.3716667	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/8/2025	12:25:00	12:30:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/8/2025	12:35:00	12:40:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/8/2025	12:45:00	12:50:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/8/2025	12:55:00	13:00:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/9/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5		None	Moderate	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/9/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5		None	Moderate	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/9/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5		None	Moderate	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/9/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5		None	Moderate	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/9/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5		None	Moderate	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/9/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5		None	Moderate	0.4	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/10/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5	Clear or Partly Cloudy	None	Moderate	0.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/10/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5	Clear or Partly Cloudy	None	Moderate	0.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/10/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5	Clear or Partly Cloudy	None	Moderate	0.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/10/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5	Clear or Partly Cloudy	None	Moderate	0.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/10/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5	Clear or Partly Cloudy	None	Moderate	0.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/10/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	5	Clear or Partly Cloudy	None	Moderate	0.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	8/11/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/11/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/11/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/11/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/11/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/11/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/12/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/12/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/12/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/12/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/12/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/12/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/13/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/13/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/13/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/13/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/13/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/13/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/25/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/25/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/25/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/25/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/25/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/25/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/26/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/26/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/26/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/26/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/26/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/26/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Coastal Shipping Ltd	KIVALLIQ W	7/27/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/27/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/27/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/27/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/27/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/27/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy		Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/28/2025	12:00:00	12:05:00	00:05	64.285	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/28/2025	12:10:00	12:15:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/28/2025	12:25:00	12:30:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/28/2025	12:35:00	12:40:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/28/2025	12:45:00	12:50:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/28/2025	12:55:00	13:00:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Rippled	0.1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/29/2025	12:00:00	12:05:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy		Slight	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/29/2025	12:10:00	12:15:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy		Slight	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/29/2025	12:25:00	12:30:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy		Slight	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/29/2025	12:35:00	12:40:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy		Slight	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/29/2025	12:45:00	12:50:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy		Slight	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/29/2025	12:55:00	13:00:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Clear or Partly Cloudy		Slight	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	7/30/2025	12:00:00	12:05:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Cloudy	None	Slight	0.3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	7/30/2025	12:10:00	12:15:00	00:05	64.1183333	-94.37	64.1183333	-94.3716667	Stationary	10	Cloudy	None	Slight	0.3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	7/30/2025	12:25:00	12:30:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Cloudy	None	Slight	0.3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	7/30/2025	12:35:00	12:40:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Cloudy	None	Slight	0.3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	7/30/2025	12:45:00	12:50:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Cloudy	None	Slight	0.3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	7/30/2025	12:55:00	13:00:00	00:05	64.1183333	-94.3716667	64.1183333	-94.3716667	Stationary	10	Cloudy	None	Slight	0.3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	7/31/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/31/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/31/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/31/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/31/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	7/31/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/1/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/1/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/1/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/1/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/1/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/1/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Cloudy	Slight/ Grey	Wavelets	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/2/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/2/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/2/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/2/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/2/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/2/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	Slight/ Grey	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/3/2025	12:00:00	12:05:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/3/2025	12:10:00	12:15:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/3/2025	12:25:00	12:30:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/3/2025	12:35:00	12:40:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/3/2025	12:45:00	12:50:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/3/2025	12:55:00	13:00:00	00:05	64.2983333	-95.9533333	64.2983333	-95.9533333	Stationary	10	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	8/24/2025	12:00:00	12:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/24/2025	12:10:00	12:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/24/2025	12:20:00	12:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/24/2025	12:30:00	12:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/24/2025	12:40:00	12:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/24/2025	12:50:00	12:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/23/2025	09:00:00	09:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/23/2025	09:10:00	09:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/23/2025	09:20:00	09:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Coastal Shipping Ltd	KIVALLIQ W	8/23/2025	09:30:00	09:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/23/2025	09:40:00	09:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/23/2025	09:50:00	09:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/22/2025	12:00:00	12:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/22/2025	12:10:00	12:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/22/2025	12:20:00	12:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/22/2025	12:30:00	12:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/22/2025	12:40:00	12:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/22/2025	12:50:00	12:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/21/2025	09:00:00	09:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/21/2025	09:10:00	09:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/21/2025	09:20:00	09:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/21/2025	09:30:00	09:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/21/2025	09:40:00	09:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/21/2025	09:50:00	09:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18			Wavelets	0.3	
Coastal Shipping Ltd	KIVALLIQ W	8/20/2025	12:00:00	12:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/20/2025	12:10:00	12:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/20/2025	12:20:00	12:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/20/2025	12:30:00	12:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/20/2025	12:40:00	12:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/20/2025	12:50:00	12:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/19/2025	09:00:00	09:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/19/2025	09:10:00	09:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/19/2025	09:20:00	09:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/19/2025	09:30:00	09:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/19/2025	09:40:00	09:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/19/2025	09:50:00	09:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/18/2025	12:00:00	12:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/18/2025	12:10:00	12:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/18/2025	12:20:00	12:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/18/2025	12:30:00	12:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/18/2025	12:40:00	12:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/18/2025	12:50:00	12:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/17/2025	09:00:00	09:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/17/2025	09:10:00	09:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/17/2025	09:20:00	09:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/17/2025	09:30:00	09:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/17/2025	09:40:00	09:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/17/2025	09:50:00	09:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	8/16/2025	12:00:00	12:05:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/16/2025	12:10:00	12:15:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/16/2025	12:20:00	12:25:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/16/2025	12:30:00	12:35:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/16/2025	12:40:00	12:45:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	8/16/2025	12:50:00	12:55:00	00:05	64.2833333	-95.9533333	64.2833333	-95.9533333	Stationary	18	Clear or Partly Cloudy	Bright on Observer's Side	Rippled	0.2	
Coastal Shipping Ltd	KIVALLIQ W	10/13/2025	13:00:00	13:05:00	00:05	64.12	-94.3633333	64.12	-94.3633333	Stationary	15	Cloudy		Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/13/2025	13:10:00	13:15:00	00:05	64.12	-94.3633333	64.12	-94.3633333	Stationary	15	Cloudy		Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/13/2025	13:20:00	13:25:00	00:05	64.12	-94.3633333	64.12	-94.3633333	Stationary	15	Cloudy		Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	10:00:00	10:05:00	00:05	64.12	-94.365	64.12	-94.365	Stationary	15	Cloudy	None	Moderate	3	Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	10:00:00	10:10:00	00:10	64.12	-94.365	64.12	-94.365	Stationary	15	Cloudy	None	Moderate	3	Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	10:10:00	10:15:00	00:05	64.12	-94.365	64.12	-94.365	Stationary	15	Cloudy	None	Moderate	3	Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	14:00:00	14:05:00	00:05	64.12	-94.365	64.12	-94.365	Stationary	10	Cloudy		Moderate	2.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	14:08:00	14:13:00	00:05	64.12	-94.365	64.12	-94.365	Stationary	10	Cloudy		Moderate	2.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	14:15:00	14:20:00	00:05	64.12	-94.365	64.12	-94.365	Stationary	10	Cloudy		Moderate	2.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	14:24:00	14:29:00	00:05	64.12	-94.365	64.12	-94.365	Stationary	10	Cloudy		Moderate	2.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	14:30:00	14:35:00	00:05	64.12	-94.365	64.12	-94.365	Stationary	10	Cloudy		Moderate	2.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	14:38:00	14:43:00	00:05	64.12	-94.365	64.12	-94.365	Stationary	10	Cloudy		Moderate	2.5	Strong Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	09:00:00	09:05:00	00:05	63.935	-93.615	63.935	-93.615	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	09:05:00	09:10:00	00:05	63.935	-93.615	63.935	-93.615	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	09:10:00	09:15:00	00:05	63.935	-93.615	63.935	-93.615	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	09:15:00	09:20:00	00:05	63.935	-93.615	63.935	-93.615	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	09:20:00	09:25:00	00:05	63.935	-93.615	63.935	-93.615	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	09:25:00	09:30:00	00:05	63.935	-93.615	63.935	-93.615	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	16:00:00	16:05:00	00:05	64.12	-94.3733333	64.12	-94.3733333	Stationary	5	Snow		Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	16:10:00	16:15:00	00:05	64.12	-94.3733333	64.12	-94.3733333	Stationary	5	Snow		Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	16:20:00	11:25:00	19:05	64.12	-94.3733333	64.12	-94.3733333	Stationary	5	Snow		Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	16:30:00	16:35:00	00:05	64.12	-94.3733333	64.12	-94.3733333	Stationary	5	Snow		Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	16:40:00	16:45:00	00:05	64.12	-94.3733333	64.12	-94.3733333	Stationary	5	Snow		Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/11/2025	16:50:00	16:55:00	00:05	64.12	-94.3733333	64.12	-94.3733333	Stationary	5	Snow		Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	10:00:00	10:05:00	00:05	63.96	-93.5766667	63.96	-93.5766667	Stationary	20	Cloudy	None		1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	10:05:00	10:10:00	00:05	63.96	-93.5766667	63.96	-93.5766667	Stationary	20	Cloudy	None		1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	10:10:00	10:15:00	00:05	63.96	-93.5766667	63.96	-93.5766667	Stationary	20	Cloudy	None		1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	10:15:00	10:20:00	00:05	63.96	-93.5766667	63.96	-93.5766667	Stationary	20	Cloudy	None		1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	10:20:00	10:25:00	00:05	63.96	-93.5766667	63.96	-93.5766667	Stationary	20	Cloudy	None		1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	10:25:00	10:30:00	00:05	63.96	-93.5766667	63.96	-93.5766667	Stationary	20	Cloudy	None		1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	14:00:00	14:05:00	00:05	63.96	-93.575	63.96	-93.575	Stationary	20	Cloudy	None	Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	14:10:00	14:15:00	00:05	63.96	-93.575	63.96	-93.575	Stationary	20	Cloudy	None	Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	14:20:00	14:25:00	00:05	63.96	-93.575	63.96	-93.575	Stationary	20	Cloudy	None	Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	14:30:00	14:35:00	00:05	63.96	-93.575	63.96	-93.575	Stationary	20	Cloudy	None	Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	14:40:00	14:45:00	00:05	63.96	-93.575	63.96	-93.575	Stationary	20	Cloudy	None	Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/10/2025	14:50:00	14:55:00	00:05	63.96	-93.575	63.96	-93.575	Stationary	20	Cloudy	None	Slight	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	09:00:00	09:05:00	00:05	62.9333333	-86.8316667	62.9333333	-86.8316667	Moving	20	Clear or Partly Cloudy	None	Rough	3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	09:10:00	09:15:00	00:05	62.9333333	-86.85	62.9366667	-86.865	Moving	20	Clear or Partly Cloudy	None	Rough	3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	09:15:00	09:20:00	00:05	62.9416667	-86.875	62.9416667	-86.875	Moving	20	Clear or Partly Cloudy	None	Rough	3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	09:20:00	09:25:00	00:05	62.9416667	-86.875	62.95	-86.8833333	Moving	20	Clear or Partly Cloudy	None	Rough	3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	09:25:00	09:30:00	00:05	62.95	-86.8833333	62.9533333	-86.8966667	Moving	20	Clear or Partly Cloudy	None	Rough	3	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	14:00:00	14:05:00	00:05	63.3316667	-90.565			Moving	15	Cloudy	None	Moderate	1.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	14:05:00	14:10:00	00:05	63.37	-90.515			Moving	15	Cloudy	None	Moderate	1.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	14:10:00	14:15:00	00:05	63.4	-90.715			Moving	15	Cloudy	None	Moderate	1.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	14:15:00	14:20:00	00:05	63.415	-90.7483333			Moving	15	Cloudy	None	Moderate	1.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	14:20:00	14:25:00	00:05					Moving	15	Cloudy	None	Moderate	1.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/9/2025	14:25:00			63.4516667	-90.83			Moving	15	Cloudy	None	Moderate	1.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/19/2025	14:00:00	14:05:00	00:05	64.2983333	-95.9483333			Stationary	15	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/19/2025	14:05:00	14:10:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	15	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/19/2025	14:10:00	14:15:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	15	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/19/2025	09:30:00	09:35:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Moderate	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/18/2025	14:30:00	14:35:00	00:05	64.305	-95.9966667	64.305	-95.9966667	Stationary	5	Medium to Heavy Rain	None	Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/18/2025	10:00:00	10:05:00	00:05	64.3043333	-95.9978333	64.3043333	-95.9978333	Stationary	5	Medium to Heavy Rain		Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/18/2025	10:05:00	10:10:00	00:05	64.3043333	-95.9978333	64.3043333	-95.9978333	Stationary	5	Medium to Heavy Rain		Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/18/2025	10:10:00	10:15:00	00:05	64.3043333	-95.9978333	64.3043333	-95.9978333	Stationary	5	Medium to Heavy Rain		Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/18/2025	10:15:00	10:20:00	00:05	64.3043333	-95.9978333	64.3043333	-95.9978333	Stationary	5	Medium to Heavy Rain		Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/18/2025	10:20:00	10:25:00	00:05	64.3043333	-95.9978333	64.3043333	-95.9978333	Stationary	5	Medium to Heavy Rain		Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/18/2025	10:25:00	10:30:00	00:05	64.3043333	-95.9978333	64.3043333	-95.9978333	Stationary	5	Medium to Heavy Rain		Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	14:00:00	14:05:00	00:05	64.2383333	-95.9966667	64.2383333	-95.9966667	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	14:05:00	14:10:00	00:05	64.2383333	-95.9966667	64.2383333	-95.9966667	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	14:10:00	14:15:00	00:05	64.2383333	-95.9966667	64.2383333	-95.9966667	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	14:15:00	14:20:00	00:05	64.2416667	-95.9966667	64.2416667	-95.9966667	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	14:20:00	14:25:00	00:05	64.2416667	-95.9966667	64.2416667	-95.9966667	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	14:25:00	14:30:00	00:05	64.2416667	-95.9966667	64.2416667	-95.9966667	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	10:00:00	10:05:00	00:05	64.305	-95.995	64.305	-95.995	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	10:05:00	10:10:00	00:05	64.305	-95.995	64.305	-95.995	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	10:10:00	10:15:00	00:05	64.305	-95.995	64.305	-95.995	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	10:15:00	10:20:00	00:05	64.305	-95.995	64.305	-95.995	Stationary	20	Cloudy	None	Slight	0.5	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	10:20:00	10:25:00	00:05	64.305	-95.995	64.305	-95.995	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/17/2025	10:25:00	10:30:00	00:05	64.305	-95.995	64.305	-95.995	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	10:00:00	10:05:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate	1.5	Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	10:05:00	10:10:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate	1.5	Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	10:10:00	10:15:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate	1.5	Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	10:15:00	10:20:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate	1.5	Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	10:20:00	10:25:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate	1.5	Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	10:25:00	10:30:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate	1.5	Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	14:30:00	14:35:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate		Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	14:35:00	14:40:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate		Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	14:40:00	14:45:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate		Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	14:50:00	14:55:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate		Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	15:00:00	15:05:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate		Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/16/2025	15:10:00	15:15:00	00:05	64.2983333	-95.9566667	64.2983333	-95.9566667	Stationary	5	Snow	None	Moderate		Gale Force Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	09:30:00	09:35:00	00:05	64.2966667	-95.9483333	64.2966667	-95.9483333	Stationary	20	Clear or Partly Cloudy	None	Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	09:35:00	09:40:00	00:05	64.2966667	-95.9483333	64.2966667	-95.9483333	Stationary	20	Clear or Partly Cloudy	None	Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	09:40:00	09:45:00	00:05	64.2966667	-95.9483333	64.2966667	-95.9483333	Stationary	20	Clear or Partly Cloudy	None	Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	09:45:00	09:50:00	00:05	64.2966667	-95.9483333	64.2966667	-95.9483333	Stationary	20	Clear or Partly Cloudy	None	Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	09:50:00	09:55:00	00:05	64.2966667	-95.9483333	64.2966667	-95.9483333	Stationary	20	Clear or Partly Cloudy	None	Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	09:55:00	10:00:00	00:05	64.2966667	-95.9483333	64.2966667	-95.9483333	Stationary	20	Clear or Partly Cloudy	None	Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	14:00:00	14:05:00	00:05	64.2966667	-95.9483333	64.2966667	-95.9483333	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	14:10:00	14:15:00	00:05	64.2966667	-95.9483333	64.2966667	-95.9483333	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	14:20:00	14:25:00	00:05	64.2966667	-95.9483333	64.2966667	-95.9483333	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	14:25:00	14:30:00	00:05	64.2966667	-95.9483333	64.2966667	-95.9483333	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	14:35:00	14:40:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	14:45:00	14:50:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667	Stationary	15	Cloudy	None	Slight	1	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/13/2025	09:00:00	09:05:00	00:05	64.12	-94.3633333	64.12	-94.3633333	Stationary	20	Cloudy		Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/13/2025	09:05:00	09:10:00	00:05	64.12	-94.3633333	64.12	-94.3633333	Stationary	20	Cloudy		Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/13/2025	09:10:00	09:15:00	00:05	64.12	-94.3633333	64.12	-94.3633333	Stationary	20	Cloudy		Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/13/2025	09:15:00	09:20:00	00:05	64.12	-94.3633333	64.12	-94.3633333	Stationary	20	Cloudy		Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/13/2025	09:20:00	09:25:00	00:05	64.12	-94.3633333	64.12	-94.3633333	Stationary	20	Cloudy		Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/13/2025	09:25:00	09:30:00	00:05	64.12	-94.3633333	64.12	-94.3633333	Stationary	20	Cloudy		Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	10:20:00	10:25:00	00:05	64.3016667	-95.9616667	64.3016667	-95.9616667	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	10:25:00	10:30:00	00:05	64.3016667	-95.9616667	64.3016667	-95.9616667	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	10:00:00	10:05:00	00:05	64.3016667	-95.9616667	64.3016667	-95.9616667	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	10:05:00	10:10:00	00:05	64.3016667	-95.9616667	64.3016667	-95.9616667	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	10:10:00	10:15:00	00:05	64.3016667	-95.9616667	64.3016667	-95.9616667	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	10:15:00	10:20:00	00:05	64.3016667	-95.9616667	64.3016667	-95.9616667	Stationary	20	Cloudy	None	Slight	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	14:00:00	14:05:00	00:05	64.3016667	-95.9933333	64.3016667	-95.9933333	Stationary	10	Clear or Partly Cloudy	None	Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	14:05:00	14:10:00	00:05	64.3016667	-95.9933333	64.3016667	-95.9933333	Stationary	10	Clear or Partly Cloudy	None	Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	14:10:00	14:15:00	00:05	64.3016667	-95.9933333	64.3016667	-95.9933333	Stationary	10	Clear or Partly Cloudy	None	Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	14:15:00	14:20:00	00:05	64.3016667	-95.9933333	64.3016667	-95.9933333	Stationary	10	Clear or Partly Cloudy	None	Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	14:20:00	14:25:00	00:05	64.3016667	-95.9933333	64.3016667	-95.9933333	Stationary	10	Clear or Partly Cloudy	None	Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	14:25:00	14:30:00	00:05	64.3016667	-95.9933333	64.3016667	-95.9933333	Stationary	10	Clear or Partly Cloudy	None	Slight	0.8	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	09:45:00	09:50:00	00:05	64.3033333	-95.995	64.3033333	-95.995	Stationary	20	Clear or Partly Cloudy		Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	09:50:00	09:55:00	00:05	64.3033333	-95.995	64.3033333	-95.995	Stationary	20	Clear or Partly Cloudy		Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	09:55:00	10:00:00	00:05	64.3033333	-95.995	64.3033333	-95.995	Stationary	20	Clear or Partly Cloudy		Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	10:00:00	10:05:00	00:05	64.3033333	-95.995	64.3033333	-95.995	Stationary	20	Clear or Partly Cloudy		Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	10:05:00	10:10:00	00:05	64.3033333	-95.995	64.3033333	-95.995	Stationary	20	Clear or Partly Cloudy		Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/21/2025	10:10:00	10:15:00	00:05	64.3033333	-95.995	64.3033333	-95.995	Stationary	20	Clear or Partly Cloudy		Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	14:00:00	14:05:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Cloudy		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	14:05:00	14:10:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Cloudy		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	14:15:00	14:20:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Cloudy		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	14:25:00	14:30:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Cloudy		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	14:35:00	14:40:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Cloudy		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	14:45:00	14:50:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Cloudy		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	11:00:00	11:05:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Snow		Rough	1.5	Strong Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	11:05:00	11:10:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Snow		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	11:10:00	11:15:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Snow		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	11:15:00	11:20:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Snow		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	11:20:00	11:25:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Snow		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/20/2025	11:25:00	11:30:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	10	Snow		Rough	1.5	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	14:00:00	14:05:00	00:05	64.2866667	-96	64.2866667	-96	Stationary	15	Cloudy	None	Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	14:05:00	14:10:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	15	Cloudy	None	Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	14:10:00	14:15:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	15	Cloudy	None	Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	14:15:00	14:20:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	15	Cloudy	None	Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	14:20:00	14:25:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	15	Cloudy	None	Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	14:25:00	14:30:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	15	Cloudy	None	Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	09:30:00	09:35:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	09:35:00	09:40:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	09:40:00	09:45:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	09:45:00	09:50:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	09:50:00	09:55:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	09:55:00	10:00:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	14:00:00	14:05:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	14:05:00	14:10:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	14:10:00	14:15:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	14:15:00	14:20:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	14:20:00	14:25:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	14:25:00	14:30:00	00:05	64.3033333	-96	64.3033333	-96	Stationary	20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	09:00:00	09:05:00	00:05	64.3033333	-95.9983333	64.3033333	-95.9983333		20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	09:05:00	09:10:00	00:05	64.3033333	-95.9983333	64.3033333	-95.9983333		20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	09:10:00	09:15:00	00:05	64.3033333	-95.9983333	64.3033333	-95.9983333		20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	09:15:00	09:20:00	00:05	64.3033333	-95.9983333	64.3033333	-95.9983333		20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	09:20:00	09:25:00	00:05	64.3033333	-95.9983333	64.3033333	-95.9983333		20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	09:25:00	09:30:00	00:05	64.3033333	-95.9983333	64.3033333	-95.9983333		20	Cloudy	None	Moderate	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	14:00:00	14:05:00	00:05	64.3016667	-95.995	64.3016667	-95.995		10	Fog		Rippled	0.5	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	14:05:00	14:10:00	00:05	64.3016667	-95.995	64.3016667	-95.995		10	Fog		Rippled	0.5	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	14:10:00	14:15:00	00:05	64.3016667	-95.995	64.3016667	-95.995		10	Fog		Rippled	0.5	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	14:15:00	14:20:00	00:05	64.3016667	-95.995	64.3016667	-95.995		10	Fog		Rippled	0.5	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	14:20:00	14:25:00	00:05	64.3016667	-95.995	64.3016667	-95.995		10	Fog		Rippled	0.5	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	14:25:00	14:30:00	00:05	64.3016667	-95.995	64.3016667	-95.995		10	Fog		Rippled	0.5	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	10:00:00	10:05:00	00:05	64.3016667	-95.9966667	64.3016667	-95.9966667		10	Fog	None	Rippled	0	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	10:05:00	10:10:00	00:05	64.3016667	-95.9966667	64.3016667	-95.9966667		10	Fog	None	Rippled	0	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	10:10:00	10:15:00	00:05	64.3016667	-95.9966667	64.3016667	-95.9966667		10	Fog	None	Rippled	0	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	10:15:00	10:20:00	00:05	64.3016667	-95.9966667	64.3016667	-95.9966667		10	Fog	None	Rippled	0	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	10:20:00	10:25:00	00:05	64.3016667	-95.9966667	64.3016667	-95.9966667		10	Fog	None	Rippled	0	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/23/2025	10:25:00	10:30:00	00:05	64.3016667	-95.9966667	64.3016667	-95.9966667		10	Fog	None	Rippled	0	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	14:00:00	14:05:00	00:05	64.3016667	-95.995	64.3016667	-95.995	Stationary	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	14:05:00	14:10:00	00:05	64.3016667	-95.995	64.3016667	-95.995	Stationary	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	14:10:00	14:15:00	00:05	64.3016667	-95.995	64.3016667	-95.995	Stationary	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	14:15:00	14:20:00	00:05	64.3016667	-95.995	64.3016667	-95.995	Stationary	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	14:20:00	14:25:00	00:05	64.3016667	-95.995	64.3016667	-95.995	Stationary	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/22/2025	14:25:00	14:30:00	00:05	64.3016667	-95.995	64.3016667	-95.995	Stationary	15	Clear or Partly Cloudy	None	Wavelets	0.5	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	14:00:00	14:05:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667		15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	14:05:00	14:10:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667		15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	14:10:00	14:15:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667		15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	14:15:00	14:20:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667		15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	14:20:00	14:25:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667		15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	14:25:00	14:30:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667		15	Clear or Partly Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	09:30:00	09:35:00	00:05	64.2983333	-95.9466667	64.2983333	-95.9466667	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	09:35:00	09:40:00	00:05	64.2983333	-95.9466667	64.2983333	-95.9466667	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	09:40:00	09:45:00	00:05	64.2983333	-95.9466667	64.2983333	-95.9466667	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	09:45:00	09:50:00	00:05	64.2983333	-95.9466667	64.2983333	-95.9466667	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind

APPENDIX E: SEABIRD SURVEY DATA, 2025

Company/Agency	Vessel Name	Survey Date	Time Start	Time End	Effort	Start Latitude	Start Longitude	End Latitude	End Longitude	Vessel Activity	Visibility (km)	Weather	Glare Condition	Sea State	Wave Height (m)	Beaufort Scale
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	09:50:00	09:55:00	00:05	64.2983333	-95.9466667	64.2983333	-95.9466667	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/28/2025	09:55:00	10:00:00	00:05	64.2983333	-95.9466667	64.2983333	-95.9466667	Stationary	20	Cloudy	None	Wavelets	0.3	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	14:00:00	14:05:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	14:05:00	14:10:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	14:10:00	14:15:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	14:15:00	14:20:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	14:20:00	14:25:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	14:25:00	14:30:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Light Wind
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	09:00:00	09:05:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	09:05:00	09:10:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	09:10:00	09:15:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	09:15:00	09:20:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	09:20:00	09:25:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/27/2025	09:25:00	09:30:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Wavelets	0.2	Calm
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	14:00:00	14:05:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667	Stationary		Cloudy		Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	14:05:00	14:10:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667	Stationary		Cloudy		Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	14:15:00	14:20:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667	Stationary		Cloudy		Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	14:20:00	14:25:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667	Stationary		Cloudy		Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	14:25:00	14:30:00	00:05	64.2966667	-95.9466667	64.2983333	-95.9466667	Stationary		Cloudy		Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	14:30:00	14:35:00	00:05	64.2966667	-95.9466667	64.2966667	-95.9466667	Stationary		Cloudy		Slight	1	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	09:00:00	09:05:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	09:05:00	09:10:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	09:10:00	09:15:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	09:15:00	09:20:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	09:20:00	09:25:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind
Coastal Shipping Ltd	KIVALLIQ W	10/26/2025	09:25:00	09:30:00	00:05	64.2983333	-95.9483333	64.2983333	-95.9483333	Stationary	20	Cloudy	None	Rough	1.2	Strong Wind

APPENDIX F SEABIRD OBSERVATION DATA, 2025

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Razorbill	2	Fly	Yes	C	Escape Flight	230
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Glaucous Gull	1	Fly	Yes	C	Other	315
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Glaucous Gull	2	Fly	No	B	Other	270
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Glaucous Gull	3	Fly	No	C	Other	250
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Common Loon	1	Water	No	C	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Glaucous Gull	1	Fly	No	C	Other	250
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Glaucous Gull	7	Fly	No	C	Other	230
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Glaucous Gull	1	Water	No	B	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Northern Fulmar	1	Fly	Yes	A	Other	250
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Northern Fulmar	2	Water	Yes	C	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Parasitic Jaeger	3	Fly	Yes	B	Other	250
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Glaucous Gull	1	Water	No	B	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Glaucous Gull	2	Fly	No	C	Other	210
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/25/2025	Northern Fulmar	3	Fly	Yes	B	Other	237
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	Iceland Gull	9	Water	No	D	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/26/2025	Northern Fulmar	12	Water	Yes	B	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	Glaucous Gull	7	Fly	No	C	Other	276
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	Razorbill	1	Fly	Yes	B	Other	278
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	Razorbill	1	Water	No	C	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	Glaucous Gull	3	Fly	No	C	Other	330
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	Glaucous Gull	2	Fly	No	C	Other	350
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/27/2025	Razorbill	15	Fly	Yes	C	Other	20
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	Northern Fulmar	3	Fly	Yes	C	Escape Flight	90
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/28/2025	Razorbill	1	Fly	Yes	E	Escape Flight	0
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Razorbill	1	Fly	Yes	B	Other	100
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Razorbill	8	Fly	Yes	B	Other	315
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Razorbill	1	Fly	Yes	C	Other	276
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Iceland Gull	7	Fly	No	C	Other	276
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Razorbill	10	Fly	Yes	D	Other	250
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Iceland Gull	1	Water	Yes	C	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Iceland Gull	2	Water	No	C	Rafting	0
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Razorbill	1	Fly	Yes	C	Other	200
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Razorbill	1	Fly	Yes	B		170
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Razorbill	4	Fly	Yes	C	Other	210
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Razorbill	2	Water	Yes	C	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	6/29/2025	Razorbill	5	Fly	Yes	C	Other	290
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	Northern Fulmar	1	Fly	Yes	A	Other	255
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	Glaucous Gull	12	Water	No		Rafting	
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	White-winged Scoter	1	Fly	Yes	D	Other	356
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	Northern Fulmar	1	Fly	Yes	A	Other	358

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	Northern Fulmar	1	Fly	Yes	A	Other	13
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/1/2025	Glaucous Gull	4	Fly	Yes	A	Other	193
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	Surf Scoter	7	Water	Yes	B	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	Surf Scoter	35	Water	Yes	C	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/1/2025	Surf Scoter	3	Fly	No	C	Other	90
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	Parasitic Jaeger	3	Fly	Yes	A	Other	273
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/2/2025	Iceland Gull	12	Fly	Yes	A	Other	273
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	Surf Scoter	7	Fly	Yes	A	Other	270
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	Northern Fulmar	3	Fly	Yes	C	Other	0
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	Surf Scoter	2	Fly	Yes	A	Other	90
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	Surf Scoter	2	Water	Yes	C	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	Surf Scoter	3	Fly	Yes	B	Other	40
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/2/2025	Northern Fulmar	2	Water	Yes	D	Other	
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/3/2025	Wilson's Storm-petrel	5	Fly	Yes	A	Other	191
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	7/3/2025	Wilson's Storm-petrel	2	Fly	Yes	A	Other	301
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	Surf Scoter	3	Fly	Yes	A	Other	10
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/3/2025	Surf Scoter	4	Fly	Yes	D	Other	190
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/5/2025	Northern Fulmar	2	Fly	Yes	C	Other	10
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	Northern Fulmar	5	Fly	Yes	B	Other	310
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	Surf Scoter	7	Water	Yes	E	Other	0
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	Surf Scoter	35	Fly	Yes	B	Other	10
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/6/2025	Northern Fulmar	3	Fly	Yes	A	Other	180
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	Northern Fulmar	3	Water	Yes	B	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	Northern Fulmar	2	Fly	Yes	D	Other	0
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	Northern Fulmar	3	Fly	Yes	B	Other	10
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	Surf Scoter	2	Fly	Yes	D	Other	10
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/7/2025	Peregrine Falcon	1	Fly	Yes	E	Other	20
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	Razorbill	12	Fly	Yes	B	Other	45
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	Northern Fulmar	2	Fly	No	B	Other	40
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	Razorbill	1	Fly	Yes	C	Other	120
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/9/2025	Razorbill	7	Fly	Yes	A	Escape Flight	270
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	Razorbill	4	Fly	Yes	B	Other	10
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/10/2025	Northern Fulmar	1	Fly	Yes	B	Other	100
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/12/2025	Dovekie	2	Fly	Yes	A	Escape Flight	180
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/12/2025	Dovekie	4	Fly	No	A	Escape Flight	270
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/12/2025	Glaucous Gull	2	Fly	Yes	A	Escape Flight	270
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/12/2025	Razorbill	4	Fly	Yes	B	Escape Flight	270
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	Dovekie	4	Fly		A	Escape Flight	245
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	Dovekie	3	Fly		B	Escape Flight	315
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	Dovekie	12	Fly	Yes	A	Escape Flight	0

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	Dovekie	2	Fly	No	B	Escape Flight	0
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	Razorbill	1	Fly	Yes	B	Escape Flight	180
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	Dovekie	11	Fly	Yes	A	Other	0
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	Dovekie	3	Fly	No	B	Other	80
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	Dovekie	4	Water	No	C	Other	30
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	Dovekie	6	Fly	Yes	B	Escape Flight	0
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/13/2025	Dovekie	8	Water	No	C	Other	200
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	Dovekie	18	Fly	Yes	C	Escape Flight	80
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	Dovekie	18	Fly	Yes	B	Escape Flight	280
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	Dovekie	18	Fly	Yes	B	Escape Flight	280
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	Glaucous Gull	1	Fly	Yes	B	Escape Flight	280
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	Dovekie	8	Fly	Yes	C	Escape Flight	0
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/14/2025	Dovekie	2	Fly	No	B	Other	270
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	11	Water	No	B	Rafting	279
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	2	Water	No	B	Rafting	279
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	1	Fly	No	B	Other	330
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	B	Other	220
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	3	Fly	No	A	Other	301
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	B	Other	303
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	5	Fly	No	C	Other	330
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	2	Fly	No	A	Other	30
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	5	Fly	No	B	Other	60
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	2	Fly	No	B	Other	60
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Water	No	A	Rafting	15
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	4	Fly	No	B	Other	90
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	5	Water	No	B	Rafting	45
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	6	Fly	No	B	Other	45
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	B	Other	15
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	A	Other	344
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	2	Fly	No	B	Other	90
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Water	No	B	Rafting	90
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	4	Water	No	B	Rafting	45
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	10	Fly	No	C	Other	180
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	3	Fly	No	B	Other	40
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	A	Other	349
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	5	Fly	No	A	Other	15
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	B	Other	60
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	7	Fly	No	A	Other	45
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	3	Fly	No	B	Other	15
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	3	Fly	No	A	Other	90

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	A	Other	50
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	1	Fly	No	B	Other	15
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	1	Fly	No	B	Other	229
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	1	Fly	No	B	Other	45
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	5	Fly	No	B	Other	90
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	4	Fly	No	A	Other	45
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	3	Fly	No	A	Other	90
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	2	Fly	No	B	Other	30
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	17	Water	No	B	Rafting	60
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	1	Fly	No	A	Other	10
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	2	Fly	No	B	Other	50
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	3	Fly	No	B	Other	90
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	4	Fly	No	B	Other	30
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	3	Fly	No	A	Other	15
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Herring Gull	10	Fly	No	B	Other	45
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Unknown Gull	2	Fly	No	C	Rafting	300
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	D	Escape Flight	80
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	E	Escape Flight	320
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	2	Fly	No	D	Escape Flight	330
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	5	Water	No	D	Rafting	
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	D	Escape Flight	300
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	1	Fly	No	B	Escape Flight	300
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	2	Water	No	E	Rafting	
Desgagnes Transarctik	MIENA DESGAGNÉS	7/17/2025	Northern Fulmar	2	Fly	No	E	Escape Flight	100
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	12	Fly	No	B	Other	349
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	7	Fly	No	A	Other	60
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	1	Fly	No	B	Other	60
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	1	Fly	No	B	Other	0
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	1	Fly	No	A	Other	60
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	3	Fly	No	B	Other	15
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Herring Gull	1	Fly	No	D	Other	45
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	1	Fly	No	D	Other	180
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	3	Fly	No	C	Other	60
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	2	Fly	No	B	Other	30
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	1	Fly	No	A	Other	344
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Dovekie	8	Fly	No	B	Other	10
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Pomarine Jaeger	1	Fly	No	C	Escape Flight	160
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Pomarine Jaeger	2	Fly	No	D	Escape Flight	245
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Iceland Gull	1	Fly	No	C	Escape Flight	265
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Razorbill	2	Fly	No	E	Escape Flight	290

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Red Phalarope	1	Fly	No	B	Escape Flight	95
Desgagnes Transarctik	MIENA DESGAGNÉS	7/18/2025	Great Skua	1	Fly	No	B	Escape Flight	290
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	Northern Fulmar	1	Fly	No	B	Other	15
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	Northern Fulmar	1	Water	No	C	Rafting	45
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	Herring Gull	1	Fly	No	B	Other	30
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	Dovekie	2	Fly	No	B	Other	60
Desgagnes Transarctik	MIENA DESGAGNÉS	7/19/2025	Unknown Murre	6	Fly	No	D	Other	300
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	Great Skua	2	Fly	No	B	Other	25
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	Cackling/Canada Goose	9	Fly	No	B	Other	300
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	Black Scoter	13	Water	No	B	Rafting	30
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	Black Scoter	3	Fly	No	B	Other	30
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	Black Scoter	1	Fly	No	B	Other	30
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	Black Scoter	2	Fly	No	B	Other	345
Desgagnes Transarctik	MIENA DESGAGNÉS	7/20/2025	Iceland Gull	1	Fly	No	B	Escape Flight	140
Coastal Shipping Ltd	QIKIQTAALUK W	7/21/2025	Common Eider	14	Water	No		Other	
Coastal Shipping Ltd	QIKIQTAALUK W	7/21/2025	Common Eider	14	Water	No		Other	
Coastal Shipping Ltd	QIKIQTAALUK W	7/22/2025	Common Eider	8	Water	No	C		
Coastal Shipping Ltd	QIKIQTAALUK W	7/22/2025	Unknown Gull	1	Fly	Yes	D	Escape Flight	120
Coastal Shipping Ltd	TUVAQ W	7/23/2025	Common Loon	1	Fly	Yes		Escape Flight	210
Coastal Shipping Ltd	TUVAQ W	7/23/2025	Common Loon	1	Water	Yes	D	Rafting	0
Coastal Shipping Ltd	TUVAQ W	7/23/2025	Unknown Gull	1	Fly	Yes	C	Escape Flight	0
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	Black Guillemot	3	Water	Yes	C	Other	230
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	Dovekie	24	Fly	Yes	B	Escape Flight	310
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/24/2025	Herring Gull	1	Fly	No	B	Escape Flight	310
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	Dovekie	3	Fly	Yes	D	Escape Flight	20
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	Dovekie	2	Fly	No	B	Escape Flight	50
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	Dovekie	3	Fly	No	B	Escape Flight	140
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	Dovekie	1	Fly	Yes	B	Escape Flight	118
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	7/25/2025	Razorbill	1	Fly	Yes	B	Escape Flight	120
Coastal Shipping Ltd	QIKIQTAALUK W	7/25/2025	Common Eider	8	Water	No			
Coastal Shipping Ltd	QIKIQTAALUK W	7/25/2025	Unknown Gull	1	Fly	Yes			120
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	2	Fly	Yes	A	Escape Flight	10
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	3	Fly	Yes	A	Other	295
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	2	Water	Yes	B	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	4	Fly	Yes	B	Escape Flight	260
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	1	Water	Yes	C	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	1	Fly	Yes	C	Other	260
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Northern Fulmar	1	Water	No	B	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	2	Water	Yes	C	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Northern Fulmar	1	Fly	No	D	Other	295

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	1	Water	Yes	A	Escape Flight	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	1	Fly	Yes	C	Escape Flight	300
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	22	Fly	Yes	B	Other	294
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Northern Fulmar	3	Fly	No	A	Other	298
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	8	Fly	Yes	A	Other	296
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Common Eider	3	Fly	Yes	A	Other	292
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Razorbill	5	Fly	Yes	B	Escape Flight	296
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Unknown Jaeger	2	Fly	Yes	C	Escape Flight	299
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Iceland Gull	1	Fly	No	B	Escape Flight	295
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/28/2025	Northern Fulmar	1	Fly	Yes	D	Escape Flight	291
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	6	Fly	No	C	Escape Flight	0
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	9	Fly	No	A	Escape Flight	180
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	3	Water	Yes	C	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	7	Fly	Yes	C	Escape Flight	300
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	2	Water	No	B	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	5	Fly	Yes	B	Escape Flight	275
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	7	Fly	Yes	C	Other	275
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Fly	Yes	C	Escape Flight	250
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	2	Water	Yes	C	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	13	Fly	Yes	B	Escape Flight	45
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	2	Fly	Yes	D	Other	200
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Fly	No	B	Other	275
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Fly	Yes	B	Other	275
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Water	Yes	A	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	3	Fly	Yes	C	Escape Flight	200
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Fly	Yes	D	Other	330
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	5	Fly	No	B	Other	275
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Fly	Yes	C	Escape Flight	45
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	2	Fly	Yes	B	Other	300
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Water	Yes	C	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	4	Fly	Yes	C	Escape Flight	50
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	3	Fly	Yes	B	Escape Flight	330
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Fly	Yes	A	Escape Flight	200
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Fly	Yes	B	Escape Flight	200
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Fly	Yes	C	Other	190
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	4	Fly	Yes	C	Other	275
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Fly	Yes	B	Escape Flight	200
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	3	Fly	Yes	C	Other	180
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	1	Water	Yes	D	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/29/2025	Razorbill	2	Water	No	D	Escape Flight	

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	Northern Fulmar	1	Water	No	C	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	Northern Fulmar	1	Fly	Yes	B	Other	300
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	Northern Fulmar	1	Fly	Yes	B	Other	290
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/30/2025	Northern Fulmar	4	Fly	Yes	C	Other	10
Desgagnes Transarctik	MIENA DESGAGNÉS	7/31/2025	Black Guillemot	2	Water	No	C	Rafting	120
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	Razorbill	3	Water	No	B	Other	340
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	Northern Fulmar	1	Fly	No	C	Other	226
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	Northern Fulmar	1	Fly	No	D	Other	0
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	Razorbill	2	Water	No	C	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	7/31/2025	Northern Fulmar	1	Fly	No	D	Other	0
Coastal Shipping Ltd	QIKIQTAALUK W	8/1/2025	Red Phalarope	6	Fly	Yes	A	Escape Flight	40
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	Northern Fulmar	10	Fly	No	C	Escape Flight	45
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	Dovekie	1	Fly	No	C	Escape Flight	15
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	Dovekie	1	Fly	No	B	Escape Flight	60
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	Dovekie	1	Fly	No	C	Other	45
Desgagnes Transarctik	MIENA DESGAGNÉS	8/1/2025	Manx Shearwater	2	Fly	No	D	Other	22
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Herring Gull	1	Fly	No	C	Other	180
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Herring Gull	2	Fly	No	B	Other	70
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Herring Gull	1	Fly	No	B	Other	80
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Iceland Gull	7	Fly	No	C	Other	45
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Iceland Gull	1	Fly	No	C	Other	35
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Herring Gull	1	Fly	No	B	Other	320
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Dovekie	2	Fly	No	C	Other	45
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Northern Fulmar	1	Fly	No	B	Other	45
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Parasitic Jaeger	1	Fly	No	B	Other	60
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Dovekie	1	Fly	No	C	Other	70
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Herring Gull	1	Fly	No	C	Other	270
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Herring Gull	1	Fly	No	C	Other	48
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Dovekie	4	Fly	No	C	Other	320
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Herring Gull	1	Fly	No	C	Other	180
Desgagnes Transarctik	MIENA DESGAGNÉS	8/2/2025	Herring Gull	3	Fly	No	B	Other	0
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	Northern Fulmar	1	Fly	Yes	C	Other	180
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	Black Guillemot	1	Water	No	D	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	Northern Fulmar	1	Fly	No	D	Other	150
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	Northern Fulmar	1	Water	Yes	C	Rafting	0
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	Northern Fulmar	1	Fly	Yes	C	Escape Flight	200
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	Northern Fulmar	1	Fly	Yes	C	Escape Flight	220
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	Northern Fulmar	3	Fly	Yes	B	Escape Flight	150
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/4/2025	Northern Fulmar	1	Fly	Yes	B	Other	330
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/5/2025	Common Murre	2	Water	Yes	B	Other	

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	Herring Gull	6	Fly	Yes	A	Other	270
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	Herring Gull	1	Fly	Yes	A	Other	90
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	Northern Fulmar	1	Fly	Yes	B	Other	270
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	Northern Fulmar	1	Fly	Yes	A	Other	270
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	Wilson's Storm-petrel	5	Fly	Yes	A	Other	116
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	Wilson's Storm-petrel	3	Fly	Yes	A	Escape Flight	26
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	Wilson's Storm-petrel	1	Fly	Yes	A	Other	26
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	Wilson's Storm-petrel	1	Fly	Yes	A	Escape Flight	296
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	White-winged Scoter	1	Fly	Yes	A	Escape Flight	296
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	Northern Fulmar	3	Fly	Yes	A	Other	330
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/6/2025	Northern Fulmar	2	Fly	Yes	B	Other	270
Coastal Shipping Ltd	KIVALLIQ W	8/6/2025	Unknown Sandpiper	3	Fly	No	C	Other	100
Coastal Shipping Ltd	KIVALLIQ W	8/6/2025	Unknown Sandpiper	3	Fly	No	D	Other	200
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/8/2025	Dovekie	1	Fly	Yes	A	Other	244
Coastal Shipping Ltd	TUVAQ W	8/9/2025	Glaucous Gull	2	Fly	Yes	C	Escape Flight	270
Coastal Shipping Ltd	TUVAQ W	8/9/2025	Herring Gull	4	Fly	Yes	B	Escape Flight	280
Coastal Shipping Ltd	TUVAQ W	8/9/2025	Unknown Gull	2	Fly	Yes	C	Escape Flight	180
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	Northern Fulmar	1	Fly	Yes	B	Other	103
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/10/2025	Northern Fulmar	1	Water	No	C	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	Razorbill	1	Fly	Yes	B	Escape Flight	120
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	Razorbill	2	Fly	Yes	B	Other	90
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	Razorbill	1	Fly	Yes	A	Other	90
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	Razorbill	1	Water	No	B	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/11/2025	Northern Fulmar	2	Fly	Yes	A	Other	30
Coastal Shipping Ltd	KIVALLIQ W	8/11/2025	Unknown Sandpiper	1	Fly	No	B	Other	70
Coastal Shipping Ltd	KIVALLIQ W	8/11/2025	Unknown Sandpiper	1	Fly	No	C	Other	100
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	Razorbill	10	Fly	Yes	D	Other	100
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	Razorbill	1	Fly	Yes	C	Escape Flight	200
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	Razorbill	2	Fly	Yes	B	Escape Flight	160
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	Razorbill	1	Fly	Yes	B	Other	110
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	Razorbill	5	Fly	Yes	B	Escape Flight	180
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	Razorbill	2	Fly	Yes	A	Other	90
Desgagnes Transarctik	NORDIKA DESGAGNÉS	8/12/2025	Razorbill	3	Fly	Yes	B	Other	100
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Northern Fulmar	6	Fly	Yes	A	Escape Flight	270
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Razorbill	25	Fly	Yes	C	Other	360
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Northern Fulmar	1	Fly	Yes	B	Escape Flight	40
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Northern Fulmar	1	Fly	Yes	A	Escape Flight	280
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Northern Fulmar	1	Fly	Yes	C	Escape Flight	190
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Northern Fulmar	1	Fly	Yes	A	Other	268
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Northern Fulmar	1	Fly	No	B	Escape Flight	45

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Razorbill	1	Fly	No	E	Escape Flight	350
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Razorbill	1	Water	No	E	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Northern Fulmar	12	Fly	No	B	Other	286
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Razorbill	3	Fly	No	A	Other	10
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Razorbill	1	Fly	Yes	A	Other	10
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/3/2025	Razorbill	3	Fly	Yes	B	Other	59
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	Razorbill	1	Fly	Yes	B	Escape Flight	300
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/4/2025	Northern Fulmar	1	Water	No	C	Rafting	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/5/2025	Northern Fulmar	2	Fly	Yes	B	Escape Flight	282
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/6/2025	Razorbill	5	Fly	Yes	B	Other	260
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Northern Fulmar	2	Fly	Yes	A	Escape Flight	44
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Northern Fulmar	3	Fly	Yes	A	Other	315
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Northern Fulmar	2	Fly	Yes	A	Other	44
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Northern Fulmar	5	Fly	Yes	A	Other	314
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Northern Fulmar	2	Fly	Yes	A	Other	285
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	30	Fly	No		Other	105
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	20	Fly	No		Other	105
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	20	Fly	No		Other	105
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	100	Fly	No		Other	105
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	100	Fly	No		Other	105
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	100	Fly	Yes	E	Other	105
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	150	Fly	Yes	E	Other	105
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	80	Fly	No		Other	105
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	50	Fly	Yes	D	Other	75
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	50	Fly	Yes	D	Other	75
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	100	Fly	No		Other	75
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	80	Fly	Yes	B	Other	105
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	80	Fly	Yes	C	Other	45
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	50	Fly	Yes	D	Other	108
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	20	Fly	Yes	D	Other	45
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/8/2025	Dovekie	20	Fly	Yes	D	Other	45
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	Cackling/Canada Goose	3	Fly	Yes	C	Other	302
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/9/2025	Dovekie	2	Fly	Yes	D	Other	196
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/10/2025	Northern Fulmar	1	Fly	Yes	A	Other	65
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/13/2025	Greater Scaup	4	Fly	No		Other	207
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/13/2025	Greater Scaup	2	Fly	No		Other	275
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Common Murre	50	Fly	Yes	A	Other	119
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Northern Fulmar	30	Fly	Yes	B	Other	210
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Northern Fulmar	2	Fly	Yes	A	Other	119
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Common Murre	1	Fly	Yes	D	Other	200

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Herring Gull	1	Water	Yes	C	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Herring Gull	3	Fly	Yes	C	Other	210
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Black-legged Kittiwake	1	Fly	Yes	B	Other	119
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Herring Gull	12	Fly	Yes	C	Other	119
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Northern Fulmar	4	Fly	Yes	D	Other	119
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Herring Gull	2	Fly	Yes	C	Other	200
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/14/2025	Herring Gull	10	Fly	Yes	B	Other	60
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/15/2025	Northern Fulmar	1	Fly	Yes	A	Escape Flight	45
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/15/2025	Pomarine Jaeger	1	Fly	Yes	A	Escape Flight	45
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	Northern Fulmar	1	Fly	Yes	D	Escape Flight	300
Desgagnes Transarctik	NORDIKA DESGAGNÉS	9/16/2025	Pomarine Jaeger	1	Fly	Yes	B	Escape Flight	300
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	Unknown Falcon	2	Fly	Yes	C	Other	315
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	Unknown Falcon	1	Fly	Yes	C	Other	315
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	Glaucous Gull	1	Fly	Yes	C	Other	75
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	9/24/2025	Great Skua	2	Fly	Yes	C	Other	75
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	Northern Fulmar	3	Fly	Yes	A	Rafting	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	Red Phalarope	1	Fly	Yes	C	Rafting	325
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	Black-legged Kittiwake	1	Fly	Yes	C	Rafting	325
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	Northern Fulmar	15	Fly	Yes	A	Rafting	260
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	Northern Fulmar	15	Fly	Yes	A	Rafting	260
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	Northern Fulmar	15	Fly	Yes	A	Rafting	260
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/24/2025	Northern Fulmar	15	Fly	Yes	A	Rafting	260
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	Northern Fulmar	1	Fly	Yes	D	Rafting	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	Northern Fulmar	2	Fly	Yes	E	Rafting	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/25/2025	Pomarine Jaeger	1	Fly	Yes	E	Escape Flight	3
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	Northern Fulmar	1	Fly	Yes	C	Rafting	
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	Herring Gull	2	Fly	Yes	E	Escape Flight	225
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	Great Shearwater	1	Fly	Yes	C	Other	180
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	Great Shearwater	1	Fly	Yes	B	Other	180
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/26/2025	Northern Fulmar	2	Fly	Yes	B	Other	270
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	Northern Fulmar	1	Fly	Yes	B	Rafting	225
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	Glaucous Gull	3	Fly	Yes	B	Other	315
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	Dovekie	1	Fly	Yes	D	Other	180
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	Northern Fulmar	7	Fly	Yes	E	Escape Flight	180
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	Parasitic Jaeger	1		No	C	Other	180
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	Northern Fulmar	20	Fly	Yes	E	Escape Flight	180
Desgagnes Transarctik	ACADIA DESGAGNÉS	9/27/2025	Northern Fulmar	3	Fly	Yes	C	Rafting	180
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	Northern Fulmar	5	Fly	Yes	B	Other	90
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	Razorbill	3	Fly	Yes	A	Other	293
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/5/2025	Razorbill	4	Fly	Yes	B	Other	300

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	Razorbill	5	Fly	Yes	B	Escape Flight	180
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	Northern Fulmar	1	Fly	Yes	C	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	Razorbill	1	Fly	Yes	B	Escape Flight	180
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	Razorbill	3	Fly	Yes	C	Other	180
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/7/2025	Razorbill	1	Fly	Yes	C	Other	300
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/8/2025	Razorbill	3	Fly	Yes	B	Other	310
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	Northern Fulmar	5	Fly	Yes	C	Rafting	
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	Northern Fulmar	1	Fly	Yes	B	Rafting	
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	Northern Fulmar	3	Fly	Yes	B	Rafting	
Desgagnes Transarctik	ACADIA DESGAGNÉS	10/8/2025	Northern Fulmar	1	Water	Yes	D	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/11/2025	Glaucous Gull	3	Fly		A	Other	270
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/11/2025	Unknown Gull	1	Fly		A	Other	270
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/12/2025	Northern Fulmar	2	Fly		A	Other	270
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	Unknown Gull	3	Fly	No	B	Other	310
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	Unknown Gull	3	Fly	No	B	Other	310
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	Unknown Gull	1	Fly	No	B	Other	310
Coastal Shipping Ltd	KIVALLIQ W	10/12/2025	Unknown Gull	2	Water	No	B	Other	
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/13/2025	Iceland Gull	5	Fly		A	Other	135
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/13/2025	Iceland Gull	2	Fly		A	Other	270
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	Unknown Ptarmigan	1		No	A		
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	Unknown Ptarmigan	1		No	A		0
Coastal Shipping Ltd	KIVALLIQ W	10/14/2025	Unknown Ptarmigan	1		No	A		
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	Great Skua	1	Fly	Yes	A	Other	190
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	Gadwell	1	Fly	Yes	A	Other	100
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/16/2025	Dovekie	15	Fly	Yes	C	Other	270
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/16/2025	Iceland Gull	4	Fly		A	Other	0
Desgagnes Transarctik	MARCELLIN A DESGAGNÉS	10/17/2025	Wilson's Storm-petrel	5	Fly	Yes	A	Other	258
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/17/2025	Northern Fulmar	1	Fly	Yes	A		298
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	10/19/2025	Unknown Ptarmigan	4	Fly	Yes	A	Other	279
Desgagnes Transarctik	NORDIKA DESGAGNÉS	10/21/2025	Razorbill	3	Fly	Yes	B	Other	90
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Bonaparte's gull	1		Yes	A		
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Bonaparte's gull	1	Fly	Yes	A	Escape Flight	200
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Northern Fulmar	1	Fly	Yes	B		110
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Manx Shearwater	1	Fly	Yes	B	Escape Flight	0
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Leach's Storm-petrel	3	Fly	Yes	D		0
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Northern Fulmar	1	Fly	Yes	C	Rafting	200
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Northern Fulmar	1	Fly	Yes	B		0
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Common Murre	12	Water	Yes	C	Rafting	
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Northern Fulmar	1	Fly	Yes	E		293
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Northern Fulmar	1	Fly	Yes	D		150

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Bonaparte's gull	1		Yes	A		
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/22/2025	Common Murre	3	Fly	Yes	C		0
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/23/2025	Northern Fulmar	1	Fly	Yes	C		290
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/23/2025	Northern Fulmar	10	Fly	Yes	A		0
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/24/2025	Thick-billed Murre	7	Fly	Yes	C		0
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/24/2025	Iceland Gull	1	Fly	Yes	D		280
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	Unknown Gull	3	Water	No	B		
Coastal Shipping Ltd	KIVALLIQ W	10/24/2025	Unknown Gull	2	Water	No	C		
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/25/2025	Herring Gull	1	Fly	Yes	D	Other	0
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/25/2025	Iceland Gull	2	Fly	No			145
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/25/2025	Iceland Gull	1	Fly	Yes	D		0
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/25/2025	Iceland Gull	1	Fly	No			45
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	American Crow	2		No	B	Other	
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	American Crow	2		No	B	Other	
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	American Crow	2		No	B	Other	
Coastal Shipping Ltd	KIVALLIQ W	10/25/2025	American Crow	2		No	B	Other	
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	Great Cormorant	1	Fly	Yes	A	Escape Flight	300
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	Iceland Gull	1	Fly	No			180
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	Iceland Gull	11		Yes	C	Other	
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	Iceland Gull	1	Fly	Yes	C		180
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	Iceland Gull	2	Fly	Yes	B	Rafting	180
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	Iceland Gull	3	Fly	Yes	A		270
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	Northern Fulmar	1	Fly	Yes	C	Rafting	225
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/26/2025	Glaucous Gull	1	Fly	Yes	C	Other	60
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/27/2025	Glaucous Gull	1	Fly	Yes	D	Other	65
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	Glaucous Gull	1	Fly	Yes	D	Other	335
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	Iceland Gull	1	Fly	Yes	C	Other	65
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	Glaucous Gull	1	Fly	Yes	D	Other	20
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	Iceland Gull	1	Fly	No		Other	20
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	Iceland Gull	1	Fly	Yes	E	Other	20
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	Black Scoter	2	Fly	Yes	D	Other	20
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/28/2025	Iceland Gull	1	Fly	No		Other	90
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/30/2025	Glaucous Gull	1	Fly	Yes	A	Other	15
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/30/2025	Iceland Gull	5	Fly	Yes	C	Other	45
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/30/2025	Leach's Storm-petrel	5	Fly	Yes	E	Rafting	15
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/31/2025	Iceland Gull	2	Fly	Yes	E	Other	300
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/31/2025	Iceland Gull	2	Fly	Yes	E	Other	300
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/31/2025	Leach's Storm-petrel	5	Fly	Yes	D	Escape Flight	120
Desgagnes Transarctik	SEDNA DESGAGNÉS	10/31/2025	Glaucous Gull	1	Fly	Yes	D	Other	270
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	Razorbill	3	Fly	No	B	Other	100

APPENDIX F: SEABIRD OBSERVATION DATA, 2025

Company/Agency	Vessel Name	Survey Date	Species Name	Count	Observation Type	In Transect?	Distance Category	Behaviour	Flight Direction
Desgagnes Transarctik	ANNETTE A DESGAGNÉS	11/1/2025	Snowy Owl	2		No	B	Other	
Coastal Shipping Ltd	QIKIQTAALUK W	11/6/2025	Rock Ptarmigan	1		No		Other	
Coastal Shipping Ltd	QIKIQTAALUK W	11/14/2025	Common Eider	5	Fly	No		Other	0
Coastal Shipping Ltd	QIKIQTAALUK W	11/15/2025	Common Eider	60	Fly	Yes		Other	360
Coastal Shipping Ltd	QIKIQTAALUK W	11/16/2025	Common Eider	6	Fly	No		Other	180
Coastal Shipping Ltd	QIKIQTAALUK W	11/18/2025	Common Eider	4	Water	No		Other	
Coastal Shipping Ltd	QIKIQTAALUK W	11/19/2025	Common Eider	12	Water	No		Other	

APPENDIX G SEABIRD DISTANCE ANALYSIS—TOP THREE AKAIKE'S INFORMATION CRITERION-RATED DISTANCE MODELS AND MOVING VESSEL SURVEYS

APPENDIX G: SEABIRD DISTANCE ANALYSIS—TOP THREE AKAIKE'S INFORMATION CRITERION-RATED DISTANCE MODELS AND MOVING VESSEL SURVEYS

Year	Model Key and Adjustment	Detection Estimate	Detection SE[1]	Δ AIC[2]
All Years	Hazard-rate with all adjustments	0.441	0.013	0
	Uniform with cosine adjustment	0.424	0.009	18.368
	Unifrom with polynomial adjustment	0.412	0.021	20.789
2019	Half-normal with cosine adjustment	0.307	0.022	0.000
	Uniform with cosine adjustment	0.327	0.026	0.448
	Hazard-rate, hrtmite adjustment	0.322	0.034	0.628
2020	Hazard-rate with hermite adjustment	0.317	0.04	0.000
	Half-normal with polynomial adjustment	0.376	0.183	14.978
	Half-normal with hermite adjustment	0.409	0.021	17.618
2021	Hazard-rate, cosine adjustment	0.432	0.021	0.000
	Unifrom with cosine adjustment	0.407	0.016	0.525
	Half normal with cosine adjustment	0.415	0.031	1.724
2022	Hazard-rate with polynomial adjustment	0.497	0.029	0.000
	Uniform with cosine adjustment	0.461	0.022	7.735
	Half-normal with cosine adjustment	0.505	0.018	12.76
2023	Hazard-rate with cosine adjustment	0.441	0.042	0.000
	Half-normal with cosine adjustment	0.408	0.034	0.426
	Half-normal with hermite adjustment	0.484	0.025	3.558
2024	Half-normal with no adjustment	0.517	0.039	0
	Uniform with cosine adjustment	0.533	0.024	0.064
	Hazard-rate with no adjustment	0.523	0.059	3.534
2025	Half-normal with no adjustment	0.444	0.022	9.312
	Uniform with cosine adjustment	0.420	0.024	9.002
	Hazard-rate with all adjustments	0.449	0.031	0.000

Notes:

[1] Standard Error (SE)

[2] Akaike's Information Criteria (AIC), presented as the relative difference in ranking model fit. The lowest value in the best fit model.

APPENDIX H INCIDENTAL OBSERVATIONS OF SEABIRD SPECIES, 2025

APPENDIX H: INCIDENTAL OBSERVATIONS OF SEABIRD SPECIES, 2025

Species Name	Count
Arctic Tern	1
Black Guillemot	6
Cackling/Canada Goose	35
Common Eider	22
Common Murre	60
Dovekie	15
Glaucous Gull	40
Herring Gull	197
Leach's Storm-petrel	1
Northern Fulmar	75
Razorbill	68
Red Phalarope	1
Rock Ptarmigan	220
Sandhill Crane	5
Snow Goose	1692
Unknown gull	10
Unknown bird	5



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