

**ATTACHMENT 1**

**Daily Locations of Narwhal in  
relation to Vessel Traffic and Ice  
Conditions (29 September -  
17 October 2018)**















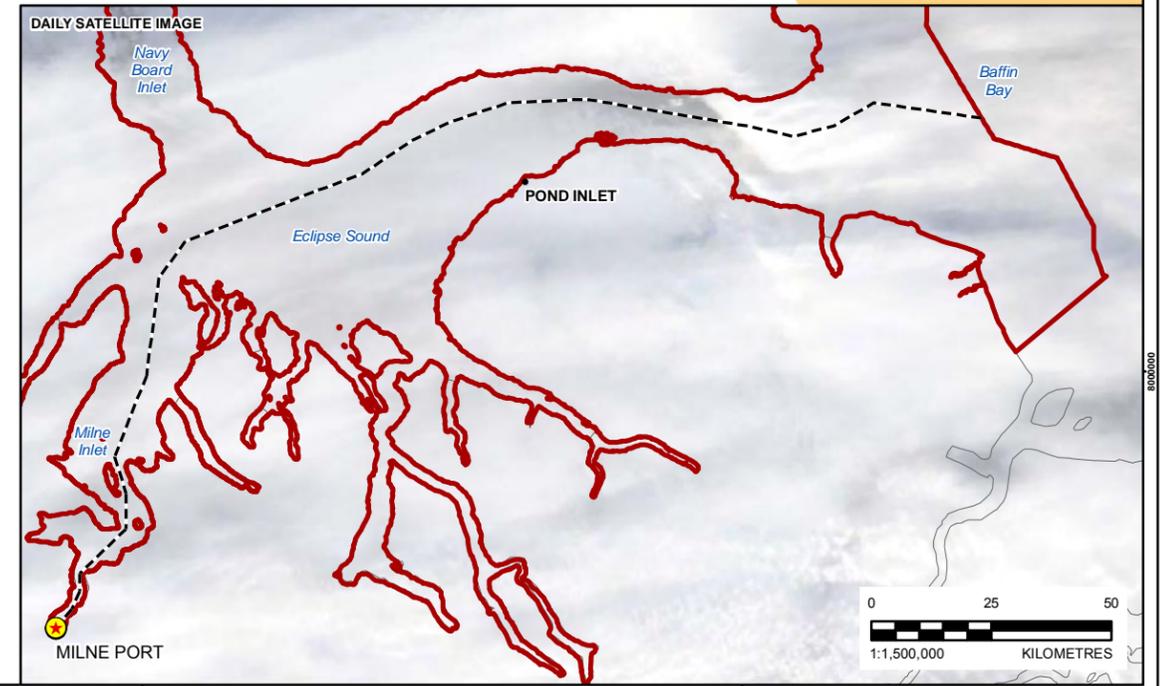
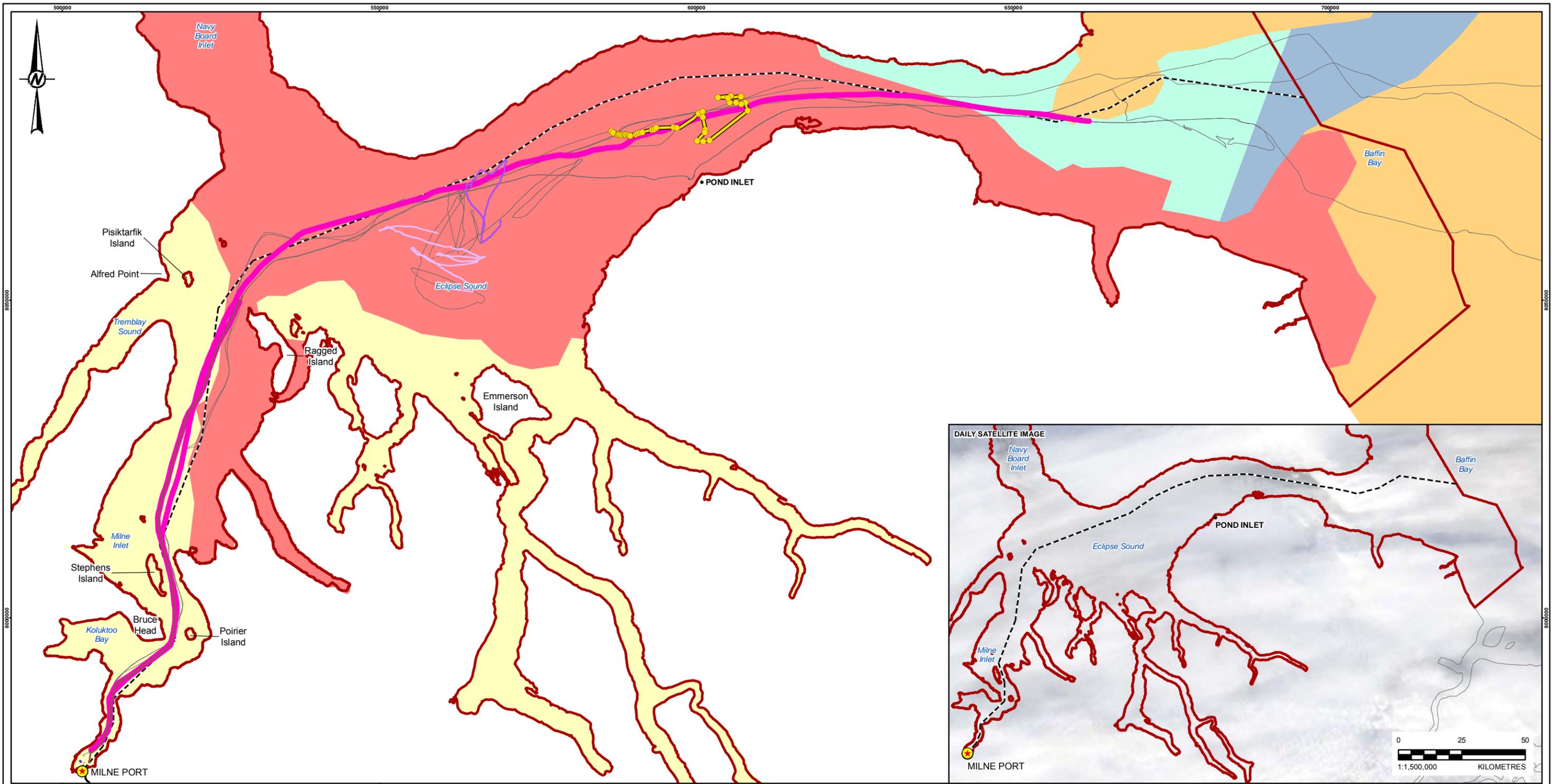






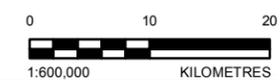






**LEGEND**

• COMMUNITY	— NORDIC ODIN
★ MILNE PORT	— NORDIC ODYSSEY
<b>NARWHAL GPS LOCATIONS</b>	<b>GENERAL CARGO VESSELS</b>
● NW22 (MM02-760) FASTLOC GPS LOCATION	— ZELADA DESGAGNES
<b>NARWHAL TRACKS</b>	<b>OIL TANKERS</b>
— NW22 (MM02-760) FASTLOC GPS LOCATION	— SARAH DESGAGNES
— BOTNICA SHIP TRACK	▭ MARINE MAMMAL REGIONAL STUDY AREA
— MILNE INLET TOTE ROAD	<b>ICE CONCENTRATION</b>
--- NOMINAL SHIPPING ROUTE	■ < 1/10
— PROJECT VESSEL SHIP TRACK - PREVIOUS 2 DAYS	■ 1-3/10
<b>PROJECT VESSEL SHIP TRACKS</b>	■ 4-6/10
<b>BULK (ORE) CARRIERS</b>	■ 7-8/10
— ARKADIA	■ 9-10/10



CLIENT  
BAFFINLAND IRON MINES CORPORATION

CONSULTANT	YYYY-MM-DD	2019-09-26
	DESIGNED	MF
	PREPARED	AA
	REVIEWED	AA
	APPROVED	PR

**REFERENCE(S)**  
ICE CONCENTRATION OBTAINED FROM CANADIAN ICE SERVICE, GOVERNMENT OF CANADA. DAILY ICE CHARTS – APPROACHES TO RESOLUTE BAY, ACCESSED NOVEMBER 23, 2018. GEOGRAPHIC NAMES, POPULATED PLACE, AND PROVINCIAL BOUNDARY DATA OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED. WE ACKNOWLEDGE THE USE OF IMAGERY PROVIDED BY SERVICES FROM NASA'S GLOBAL IMAGERY BROWSE SERVICES (GIBS), PART OF NASA'S EARTH OBSERVING SYSTEM DATA AND INFORMATION SYSTEM (EOSDIS).  
PROJECTION: UTM ZONE 17 DATUM: NAD 83

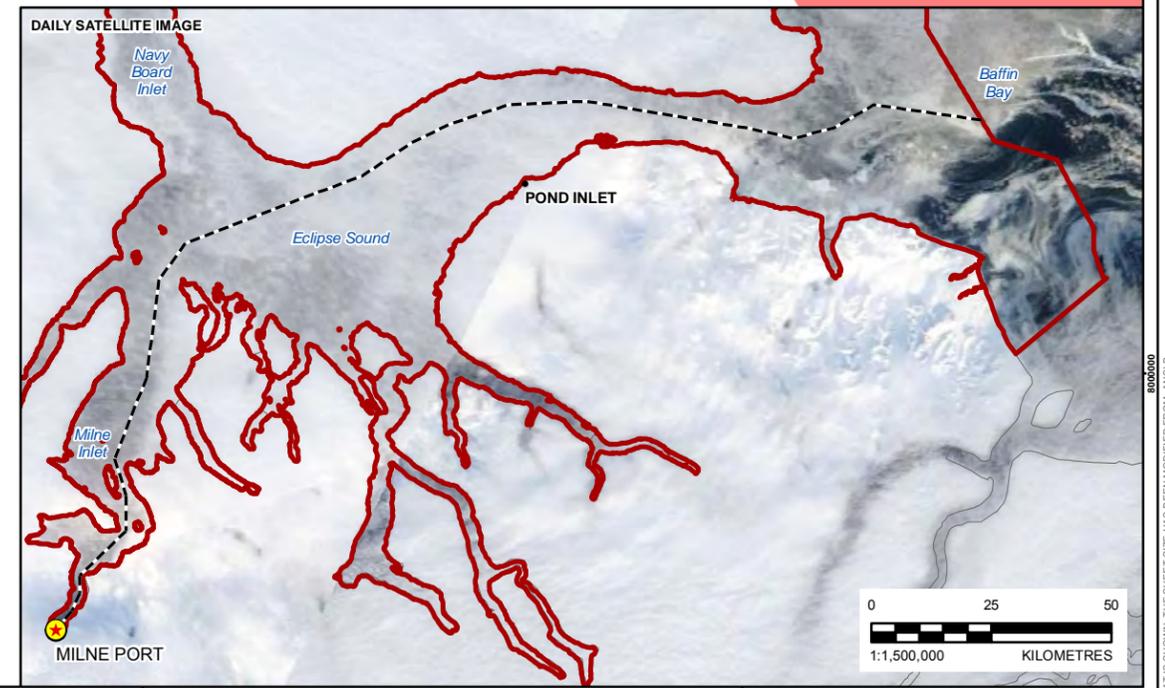
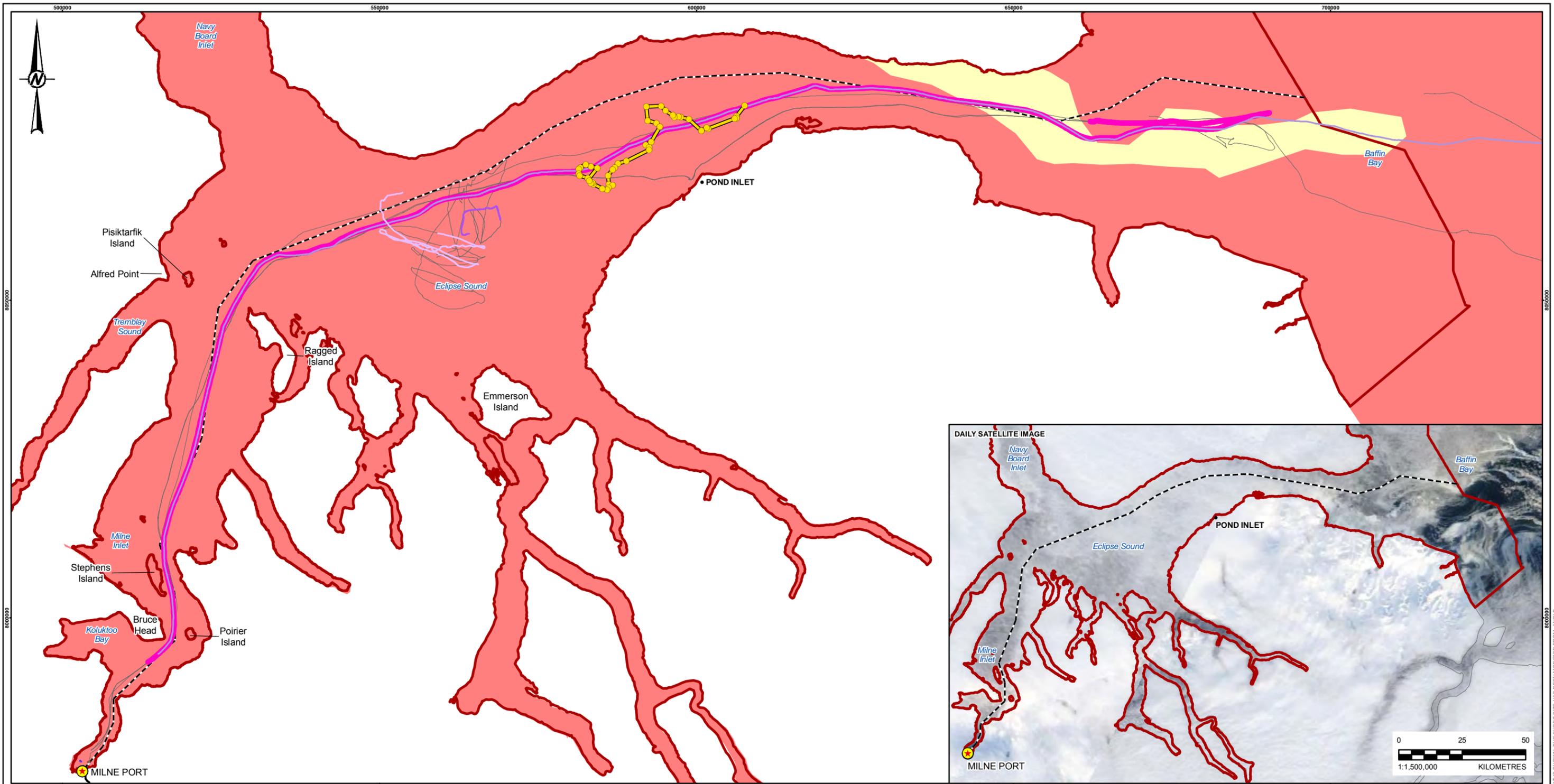
PROJECT  
MARY RIVER PROJECT - PHASE 2 PROPOSAL

**TITLE**  
DAILY LOCATIONS OF NARWHAL IN RELATION TO VESSEL TRAFFIC AND ICE CONDITIONS - FALL - OCTOBER 11, 2018 (UTC)

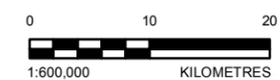
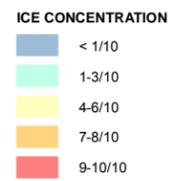
PROJECT NO.	CONTROL	REV.	FIGURE
1663724	30000-05	A	A-13

PATH: I:\3115\1663724\MapInfo\K030000\_EA\_Support\20191002\24\_30000\_05\_FigA-13\_Narwhal\_DailyShipTraffic\_IceConc\_EA\_Rev0.mxd PRINTED ON: 2019-09-26 AT: 12:00:34 PM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: A50 B



- LEGEND**
- COMMUNITY
  - ☀ MILNE PORT
  - NARWHAL GPS LOCATIONS**
  - NW22 (MM02-760) FASTLOC GPS LOCATION
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  - ▭ MARINE MAMMAL REGIONAL STUDY AREA



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PROJECT  
MARY RIVER PROJECT - PHASE 2 PROPOSAL

<b>TITLE</b>		REV.	FIGURE
<b>DAILY LOCATIONS OF NARWHAL IN RELATION TO VESSEL TRAFFIC AND ICE CONDITIONS - FALL - OCTOBER 12, 2018 (UTC)</b>		A	A-14
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