West White Rose Project 2025 Environmental Assessment Update

Report

February 20, 2025

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Table of Contents

Limitations ii

Abbreviations vi

1 Introduction 1

2 Proposed Activities for 2025 3
2.1 Nearshore Project activities 7
2.1.1 Dredging (Inner / Outer channel) 8
2.1.2 Dredging (Exit Channel) 8
2.1.3 CGS Tow 8
2.1.4 CGS Ballasting Inshore Site 9
2.1.5 Reef Ball Installation 9
2.2 Offshore Project activities 11
2.2.1 CGS Offshore Tow 11
2.2.2 Marine Rock Installation 13
2.2.3 Topsides Transport and Installation 14
2.2.4 Topsides Hookup, Commissioning and Use of an Accommodations Support Vessel 15
2.2.5 Subsea Construction 16

3 Environmental Aspects 17
3.1 Commercial Fisheries 17
3.1.1 Nearshore Area 17
3.1.2 Offshore Area 28
3.2 Species at Risk 35
3.3 Special Areas 35
3.4 DFO Research Surveys 37
3.5 Mitigation Measures 38
3.6 Environmental Effects Assessment Statement 39

4 Engagement 40
4.1 Legacy Project Engagement 40
4.2 Fishers 40
4.3 Regulatory Agencies 42
4.3.1 C-NLOPB 43
Fisheries and Oceans Canada 43
4.3.2 Environment and Climate Change Canada 43
4.3.3 Transport Canada 44
4.4 Newfoundland and Labrador Department of Environment and Climate Change 44

5 References 46
5.1 Personal Communications 46
5.2 Literature Cited 46

List of Tables

Table 1.1 Environmental Assessment Summary 2
Table 2.1 2025 Project Activity Area Coordinates 3
Table 3.1 Unit Area 3PSc by Species, 2018 to 2022 Annual Average Harvest, Quantity and Value 19
Table 3.2 Unit Area 3PSc Harvest by Gear and Gear Type, 2018 to 2022 Annual Average, Quantity and Value 25
Table 3.3 Unit Areas 3PSf and 3Lghiqst by Species, 2018 to 2022 Annual Average Harvest, Quantity and Value 28
Table 3.4 Unit Areas 3PSf and 3Lghiqst Harvest by Gear and Gear Type, 2018 to 2022 Annual Average, Quantity and Value 32
Table 3.5 Proposed 2024 DFO Research Vessel Surveys 37
Table 4.1 Summary of Engagement with Commercial Fishers and One Ocean 40
Table 4.2 Summary of Engagement with Transport Canada 44
Table 4.3 Summary of Engagement with NLDECC 45
Table A.1 Species at Risk in the 2025 Study Area A.1

List of Figures

Figure 2.1 Inner Nearshore Study Area 5
Figure 2.2 2025 Study Area 6
Figure 2.3 Key Inner Nearshore Project Locations 7
Figure 2.4 Examples of Reef Balls 9
Figure 2.5 Reef Ball Locations 10
Figure 2.6 Offshore Tow Route 12
Figure 2.7 Illustration of Rock Scour Installation 13
Figure 2.8 Illustration of Rock Berm / Flowline Protection Installation 14
Figure 2.9 *Allseas Pioneering Spirit* with Topsides 15
Figure 2.10 Image of the ASV *Floatel Endurance* 16
Figure 3.1 Commercial Fishing Intensity (All Species) in 2025 Study Area, 2018-2022 18
Figure 3.2 Commercial Landings (kg) of All Species Harvested in Inner Placentia Bay, 2012-2021 20
Figure 3.3 Commercial Landings (kg) of Atlantic Cod Harvested in Inner Placentia Bay, 2012-2021 21
Figure 3.4 Commercial Landings (kg) of Queen / Snow Crab Harvested in Inner Placentia Bay, 2012-2021 22
Figure 3.5 Commercial Landings (kg) of Scallop Harvested in Inner Placentia Bay, 2012-2021 23
Figure 3.6 Quantity of Harvest by Year, Unit Area 3PSc, 2018 to 2022 24
Figure 3.7 Value of Harvest by Year, Unit Area 3PSc, 2018 to 2022 25
Figure 3.8 Commercial Landings (kg) in Inner Placentia Bay Using Fixed Gear, 2012-2021 26
Figure 3.9 Commercial Landings (kg) in Inner Placentia Bay Using Mobile Gear, 2012-2021 27
Figure 3.10 Commercial Landings (kg) of All Species Harvested in the 2025 Study Area, 2012-2021 29
Figure 3.11 Commercial Landings (kg) of Queen / Snow Crab Harvest in the 2025 Study Area, 2012-2021 30
Figure 3.12 Quantity of Harvest by Year, Unit Areas 3PSf and 3Lghiqst, 2018 to 2022 31
Figure 3.13 Value of Harvest by Year, Unit Areas 3PSf and 3Lghiqst, 2018 to 2022 32
Figure 3.14 Commercial Landings (kg) in the 2025 Study Area Using Fixed Gear, 2012-2021 33
Figure 3.15 Commercial Landings (kg) in the 2025 Study Area Using Mobile Gear, 2012-2021 34
Figure 3.16 Environmentally Sensitive Areas in the 2025 Study Area (including Placentia Bay) 36
Figure B.1 2024 Post-season Crab Survey Locations in the 2025 Study Area B.1
Figure B.2 2024 Post-season Crab Survey Locations in Inner Placentia Bay B.2
Figure B.3 Halibut Longline Survey Locations Within and Near the 2025 Study Area B.3

List of Appendices

Appendix A Species in the 2025 Study Area

Appendix B Industry DFO Collaborative Trap Survey Locations

Abbreviations

ASV	accommodations support vessel
C-NLOPB	Canada-Newfoundland and Labrador Offshore Petroleum Board
CD	Chart Datum
Cenovus	Cenovus Energy
CGS	Concrete Gravity Structure
COSEWIC	Committee on the Status of Endangered Species in Canada
DFO	Fisheries and Oceans Canada
EA	Environmental Assessment
EBSA	Ecologically and Biologically Significant Area
ECCC	Environment and Climate Change Canada
FFAW-Unifor	Fish, Food and Allied Workers - Unifor
FFPV	flexible fall pipe vessel
FLC	Fisheries Liaison Committee
IBA	Important Bird Area
ID	Inner Diameter
kg	kilogram
km	kilometre
km²	square kilometre
m	metre
NAFO	Northwest Atlantic Fisheries Organization
NL	Newfoundland and Labrador
NLDECC	Newfoundland and Labrador Department of Environment and Climate Change
PPD	Pollution Prevention Division
SARA	*Species at Risk Act*
SiBA	Significant Benthic Area
UA	Unit Area
WRMD	Water Resources Management Division
WWRP	West White Rose Project

1 Introduction

Cenovus Energy (Cenovus) will be towing the concrete gravity structure (CGS) of the West White Rose platform to the White Rose field in 2025. In preparation for the tow-out, in 2025 Cenovus will dredge the necessary nearshore areas for ballasting / tow out / installation of the CGS to the White Rose field and transport / installation / hookup of the topsides offshore (the Project). Cenovus will also install reef balls at various locations in Placentia Bay. The scope of this Project is addressed in the approved environmental assessment "White Rose Extension Project Environmental Assessment" (Husky Energy 2012) and Consolidated Addendum (Husky Energy 2013), released September 18, 2013.

The Canada-Newfoundland and Labrador Offshore Petroleum Board (C-NLOPB) requires that operators, when applying for various program authorizations, submit information confirming that the proposed activities fall within the scope of a previously approved environmental assessment (EA), indicate if the EA predictions remain valid, and provide an update on commercial fisheries, species at risk, and sensitive areas. The information in this document provides the information to support the above requirements and notes changes that need to be addressed. This EA update provides the following information:

- Overview of planned Project activities for 2025 (Section 2)
- Information on consultation and engagement activities undertaken (Section 4)
- Update applicable baseline information for key environmental components that has become available since the EA was produced, specifically regarding:
  - Commercial fisheries (Section 3.1)
  - Species at risk, or of conservation concern (Section 3.2)
  - Special Areas (Section 3.3)
- Evaluation and confirmation that the nature and scope of the proposed activities are within the scope of the approved EA, including the appropriateness and adequate of the associated environmental effects predictions and mitigation measures (Section 3.6)

The scope of the planned Project activities was assessed under the approved EA as summarized in Table 1.1.

Table 1.1 Environmental Assessment Summary

EA Reference:	
• White Rose Extension Project Environmental Assessment" (Husky Energy 2012) • Consolidated Addendum (Husky Energy 2013) • *Canadian Environmental Assessment Act* (S.C. 1992, c. 37) Screening Report - White Rose Extension Project (C-NLOPB et al. 2013) • Environmental Assessment – Drill Cuttings Amendment (Cenovus 2023)	
Reference No.	Canadian Environmental Assessment Registry No. 12-01-68249
Temporal Scope	Year-round
Geographic Scope	Placentia Bay and Grand Banks area (see Figure 2.1; Table 2.1 for a listing of geographical coordinates)
Planned 2025 Activities	Nearshore Project activities include: • Dredging (inner / outer channel) • Dredging (bundwall and exit channel) • CGS tow (graving dock to ballast site) • CGS ballasting (CGS inshore ballast site) • Reef ball installation (various sites Placentia Bay) Offshore Project activities include: • CGS tow out and installation • Marine rock installation • Topsides transport and installation • Topsides hookup, commissioning and use of an accommodations support vessel • Subsea construction

2 Proposed Activities for 2025

Key 2025 Project activity areas include both the nearshore and offshore areas.

The Nearshore Project Area is located in the inner portion of Northwest Atlantic Fisheries Organization (NAFO) Unit Area (UA) 3PSc (Figure 2.1). The 2025 Study Area is comprised of NAFO UAs 3PSc, 3PSf, and 3L (Figure 2.2). Water depths range from 0 to 17 m in the dredge areas, 70 to 100 m in the disposal areas, 15 to 17 m along the inshore tow route to the ballast site, and 13 to 15 m along the outer tow route to the installation site. Water depth at the proposed wellhead platform installation site is 118.5 m. Coordinates for key Project activity areas are provided in Table 2.1.

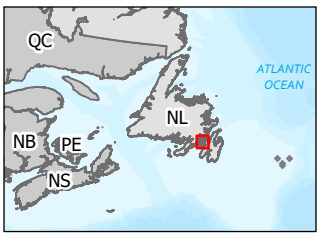
Table 2.1 2025 Project Activity Area Coordinates

Area	Coordinates
CGS Installation Area	E724266, N5186607 (NAD83, Zone 22)
Nearshore Ballasting Site	• E264151.4435, N5293290.211 • E263586.8753, N5292331.832 • E261145.2486, N5290413.626 • E261457.7365, N5294447.125 • E265845.9081, N5294106.095 • E265532.747, N5290072.82 • E261448.619, N5292067.183 • E262845.3669, N5294161.741 • E265546.8629, N5292574.517 • E264394.1362, N5290338.821
Exit Channel Dredge Area	• E275349.72, N5243969.67 • E275724.04, N5243675.63 • E275497.16, N5243406.23 • E275132.28, N5243692.86
Inner Channel Dredge Area	• E276290.00, N5244586.00 • E276874.00, N5244497 • E276873.00, N5245869.00 • E276534.06, N5245945.78
Outer Channel Dredge Area	• E274490.00, N5248250.00 • E277108.02, N5247244.67 • E276833.19, N5246568.38 • E274165.09, N5247652.64
Disposal Area (Placentia Sound)	• E279208, N5243205

Table 2.1 2025 Project Activity Area Coordinates

Area	Coordinates
Inshore Tow Route to Ballast Site	• E275846, N5243846 • E275593, N5243537 • E275877, N5243537 • E276247, N5246671 • E276521, N5243902 • E276669, N5244219 • E276669, N5244569 • E276669, N5244578
Outer Tow Route	• E276789, N5245907 • E276966, N5245084 • E277188, N5246200 • E277309, N5246358 • E277342, N5246505 • E277309, N5246651 • E277218, N5246770 • E277142, N5246810 • E276492, N5247091 • E274789, N5247786 • E274661, N5247886 • E274290, N5248300





- Placentia Sound Disposal Site
- Dredge Areas
- Reefball Areas
- Tow Route
- CGS Inshore Ballasting Site
- NAFO Unit

0 4 8 Kilometres
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1:350,000

N

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Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by acuff on 1/29/2025

Client/Project
121418420_003
Cenovus Energy Inc.
White Rose Extension Project
2025 Environmental Assessment Update

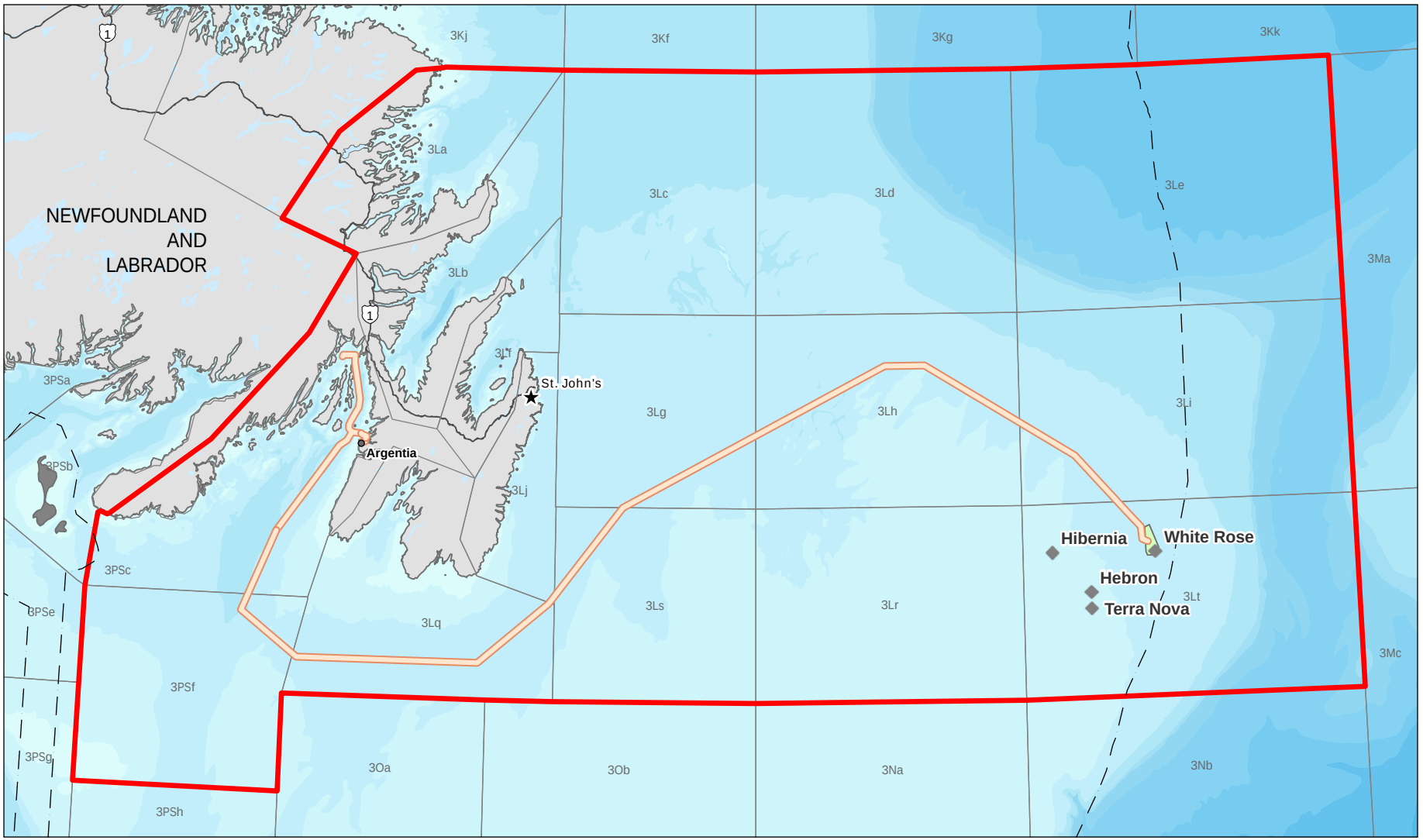
Figure No.
2.1

Title
Inner Nearshore Study Area

Notes
1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.
3. Background: CanVec, GovNL

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Notes

1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
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3. Background: CanVec, GovNL

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Project Location

Placentia Bay and White Rose Field
Newfoundland

Prepared by acuff on 1/31/2025

Client/Project

Cenovus Energy Inc.
White Rose Extension Project
2025 Environmental Assessment Update

121418420_002

Figure No.

2.2

Title

2025 Study Area

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2.1 Nearshore Project activities

Nearshore Project activities include:

- Dredging (inner / outer channel)
- Dredging (bundwall and exit channel)
- CGS tow (graving dock to CGS inshore ballast site)
- CGS ballasting (CGS inshore ballast site)
- Reef ball installation (various sites Placentia Bay)

Project activities will take place at several locations onshore and offshore in Placentia Bay. Figure 2.3 provides an overview of the key Project locations for nearshore activities in 2025:

- Graving dock, separated from open water by a bundwall (including exit channel)
- Inner Channel, subject to dredging works and includes area concentrate by subsurface boulders and natural debris
- Outer Channel, subject to dredging works
- The Pond, onshore disposal area
- Placentia Sound, marine disposal area



Figure 2.3 Key Inner Nearshore Project Locations

2.1.1 Dredging (Inner / Outer channel)

Dredging works will be a continuation of work that started in 2024.

The base dredging program has been completed in the outer channel. The design depth is -18.6 m Chart Datum (CD). Width and length of the channel are approximately 245 and 1,700 m, respectively.

A cutter suction dredger, trailing suction hopper dredger and backhoe dredger will complete the works on the Inner Channel in early 2025. The design depth is -18.6 m CD. Width and length of the channel are approximately 245 and 1,000 m, respectively.

A short maintenance dredging program will be completed prior to the CGS inshore tow to achieve the desired design depths prior to the operation.

The marine disposal area will continue to be used for the discharge of natural materials dredged in the Outer and Inner Channel is Placentia Sound.

2.1.2 Dredging (Exit Channel)

Dredging works will be a continuation of the work that was started in 2024. The bundwall has been successfully removed and the exit channel dredging will be completed in early 2025.

The cutter suction dredger will continue to perform the dredging works at the exit channel. The design depth is -18.1 m CD. The width is varying from 147 to 245 m, and the length of the exit channel is approximately 250 m.

The materials, dredged by the cutter suction dredger continue to be directly pumped ashore by means of a discharge pipeline. The discharge of the pipeline is located inside the onshore disposal area. Materials inside the bundwall and exit channel will be disposed onshore by pumping the material through the pipeline. When the works are finished, the disposal line will be dismantled.

“The Pond” is the onshore disposal area used to discharge the graving dock bundwall and exit channel materials. The natural materials, excavated by means of land-based equipment, will be disposed here as well.

2.1.3 CGS Tow

The CGS will be towed to the head of Placentia Bay (Big Shoal South) to finalize ballasting and commissioning activities. It will be towed by a fleet of vessels contracted for this specific purpose and will be anchored to a pre-installed inshore station keeping system of anchors and mooring lines.

The route for the CGS tow is shown in Figure 2.1.

2.1.4 CGS Ballasting Inshore Site

While the CGS is connected to the station keeping system the following activities will be completed:

- Water ballasting
- Solid ballasting using iron ore rock by flexible fall pipe vessel
- Equipment removals at perimeter cell / caisson roof
- Leak inspections

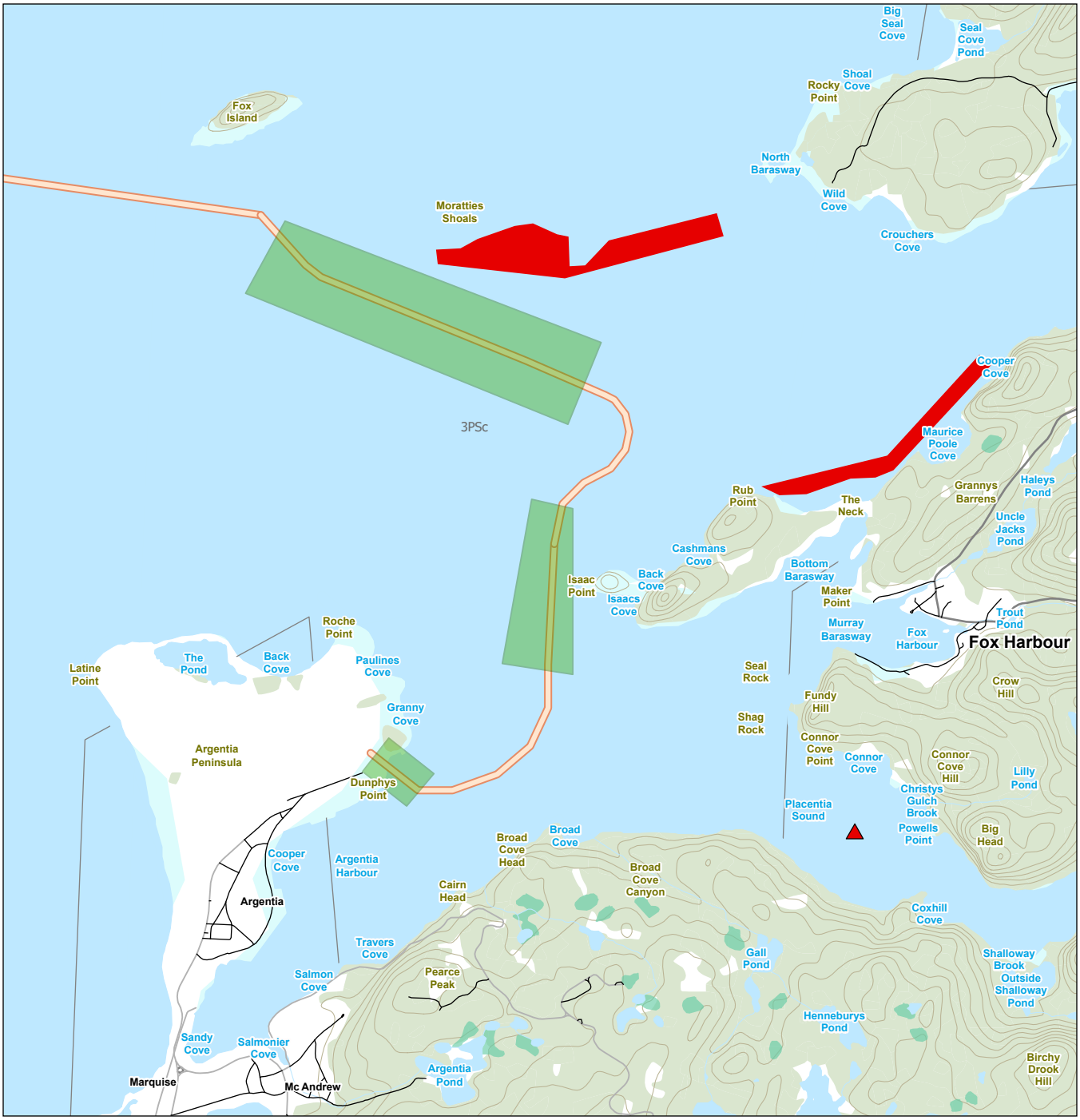
After the CGS ballasting work is completed, the CGS will be disconnected from the station keeping system to commence offshore tow.

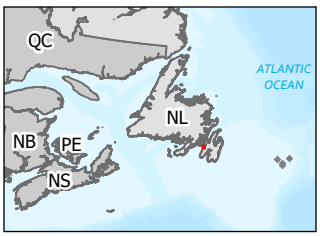
2.1.5 Reef Ball Installation

Cenovus has developed a habitat offsetting program to counterbalance the impacts of the dredging program in Placentia Bay. As part of the program, which has been accepted by Fisheries and Oceans Canada (DFO), Cenovus will be installing approximately 300 reef balls (Figure 2.4) within a surveyed area in Placentia Bay. The locations were chosen based on baseline information collected on depths and bottom types as well as discussions with local fishers. The reef ball locations are shown in Figure 2.5. The installation of reef balls is expected to be completed in Q3 2025.



Figure 2.4 Examples of Reef Balls





- Placentia Sound Disposal Site
- Dredge Areas
- Reef Ball Locations
- Tow Route
- NAFO Unit

0 500 1,000 1,500 Meters

(At original document size of 8.5x11)
1:50,000

N

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Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by acuff on 1/30/2025

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White Rose Extension Project
2025 Environmental Assessment Update

Figure No.
2.5

Title
Reef Ball Locations

Notes
1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.
3. Background: CanVec, GovNL

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2.2 Offshore Project activities

Offshore Project activities in 2025 include:

- CGS tow out and installation
- Marine rock installation
- Topsides transport and installation
- Topsides hookup, commissioning and use of an accommodations support vessel (ASV)
- Subsea construction
- Drilling Operations

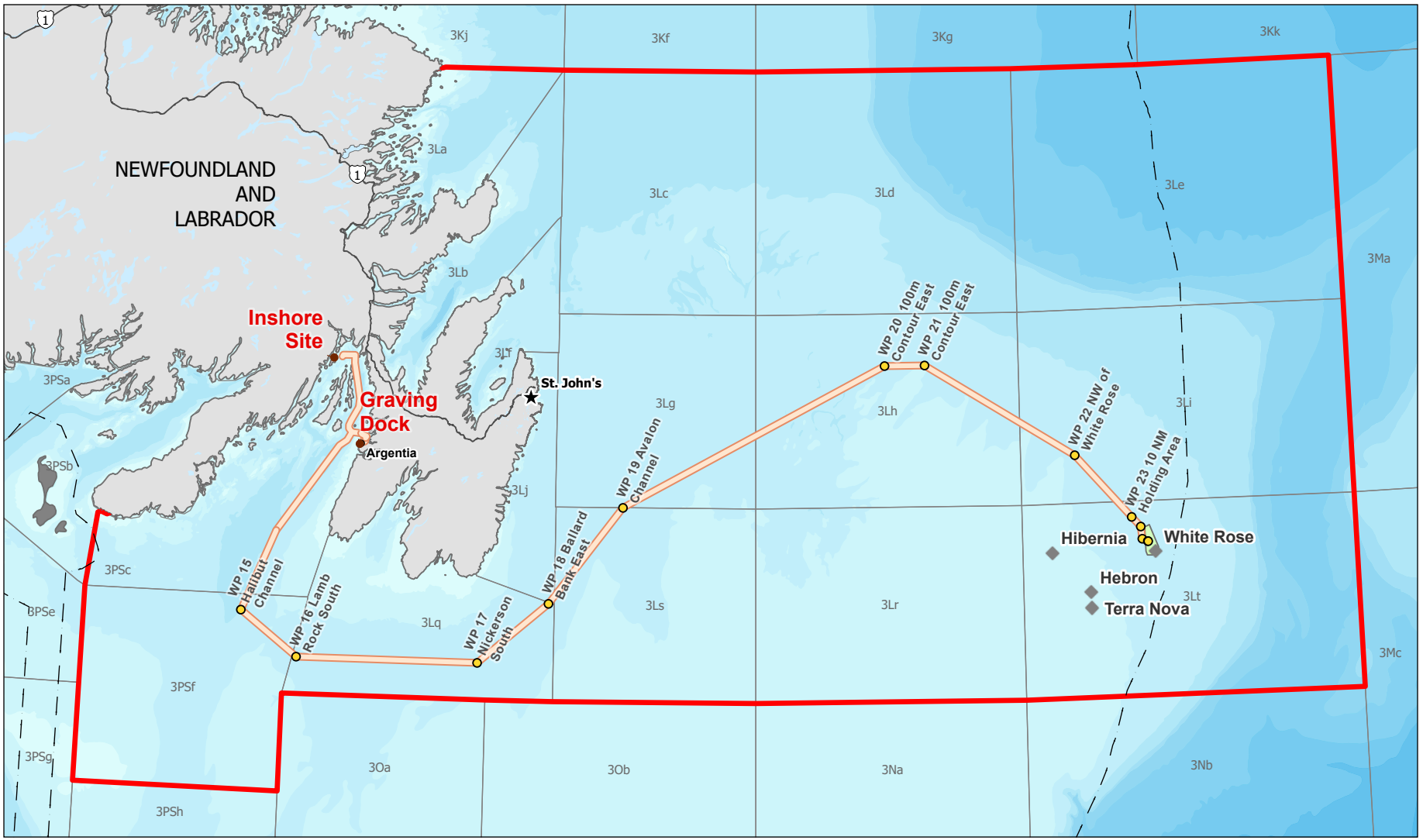
2.2.1 CGS Offshore Tow

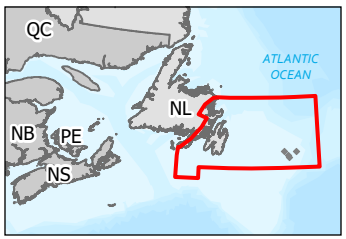
Prior to CGS installation, grout bags will be installed in the seabed preparation are using the *MV DOF Skandi Vinland* to provide underdome isolation for the CGS.

The CGS will be towed by a compliment of tugs and towing vessels from the CGS inshore ballast site, through Placentia Bay, and onward to the final destination in the West White Rose Field for set down (Figure 2.6). It will then be connected to the pre-installed offshore station keeping system. Once in position, the CGS will be ballasted to its final resting location.

After ballasting operations are complete, a small crew will access the CGS to perform a decommissioning scope of the ballasting equipment package on top of the CGS. The purpose is to prepare the package for removal by a contractor vessel prior to the installation of the West White Rose Project (WWRP) topsides.

Vessels that will be supporting the CGS offshore tow are the *Horizon Arctic*, *Atlantic Kestrel*, *DOF Minder*, *DOF Cutter*, *DOF Mover*, and the *Olympic Triton*. The scope is planned to be executed in Q2 2025.





- Platform Location
- Waypoint (WP)
- Tow Route
- 200 Nautical Mile Limit
- Safety Zone
- 2025 Study Area
- NAFO Unit

N

0 40 80 Kilometres
(At original document size of 8.5x11)
1:3,350,000

Notes
1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.
3. Background: CanVec, GovNL

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Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by acuff on 1/29/2025

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121418420_012

Figure No.
2.6

Title
Offshore Tow Route

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2.2.2 Marine Rock Installation

The *Van Oord Nornes* has been contracted for marine rock installation activities in 2025. The vessel will perform a short over-wintering survey of the rock mounds installed offshore during the 2024 program to confirm that they are still within their design tolerance. The survey is expected to occur in Q1 2025.

Following the installation of the CGS, scour protection will be placed around the perimeter of the CGS to prevent scour / washout and maintain the integrity of the Seabed Preparation. Material will be located directly into the flexible fall pipe vessel (FFPV) at quayside and then deployed in the White Rose Field through the fall pipe to form the Rock Berm/Scour Protection (Figure 2.7). Scour protection is expected to be installed in Q3 2025.



Figure 2.7 Illustration of Rock Scour Installation

After completion of flowline tie-ins, approximately 370 m of total flowline protection will be installed at the CGS and at the Central Drill Centre locations. Material will be loaded directly into the FFPV at quayside and then deployed in the White Rose Field through the pipe to form the rock berm / flowline protection (Figure 2.8). The timeline for this work to be executed is Q4 2025.



Figure 2.8 Illustration of Rock Berm / Flowline Protection Installation

2.2.3 Topsides Transport and Installation

The WWRP topsides package will be installed by the *AllSeas Pioneering Spirit* (Figure 2.9), a dynamically positioned, platform installation / removal and pipe lay vessel that will lift, transport, and install the topsides in the White Rose Field. The vessel can install topsides in a single-lift operation with the topsides lift system. The topsides lift system is designed to execute lifts of topsides for removal or installation purposes.

Prior to installing the WWRP topsides package, *the AllSeas Pioneering Spirit* will remove the CGS ballasting equipment via the removal of the single lift platform. The removal of the single lift platform will occur prior to the installation of the topsides and in scheduled to occur in Q2 2025.



Figure 2.9 ***Allseas Pioneering Spirit*** **with Topsides**

2.2.4 Topsides Hookup, Commissioning and Use of an Accommodations Support Vessel

Once the WWRP topsides package has been installed on the CGS, the Project will transition to the hookup and commissioning phase. The scope will be undertaken with the assistance of the ASV *Floatel Endurance* (Figure 2.10), which will provide living quarters for the commissioning and operations crew, as well as provide basic utilities to support the planned operations.

The primary activities during this phase will be construction related to the mating of the CGS and topsides, the commissioning and re-living of facility systems and transitioning the facility to a fully habitable installation. When this project is complete, the ASV will be released and the installation will transition to drilling and production operations. This scope is planned to be executed in Q3 2025.



Figure 2.10 Image of the ASV *Floatel Endurance*

2.2.5 Subsea Construction

Subsea construction activities will be completed in Q4 2025 with the *TechnipFMC Deep Explorer*. Project activities will be the final tie-ins and commissioning of the flowlines and structures that were installed in 2024:

- 10” / 12” inner diameter production flowline and jumper segments
- 9” ID water injection flowline
- 6” ID gas supply flowline
- Production flowline mid-line WYE tie-in structure
- Production flowline mid-line TEE tie-in structure
- Gas supply subsea isolation valve structure
- Water injection flowline termination module

Due to installation issues in 2024, a replacement water injection line will also be installed as part of 2025 project activities. The previously installed water injection line will be recovered.

3 Environmental Aspects

This section addresses the environmental aspects associated with the activities outlined in Section 2.2.

3.1 Commercial Fisheries

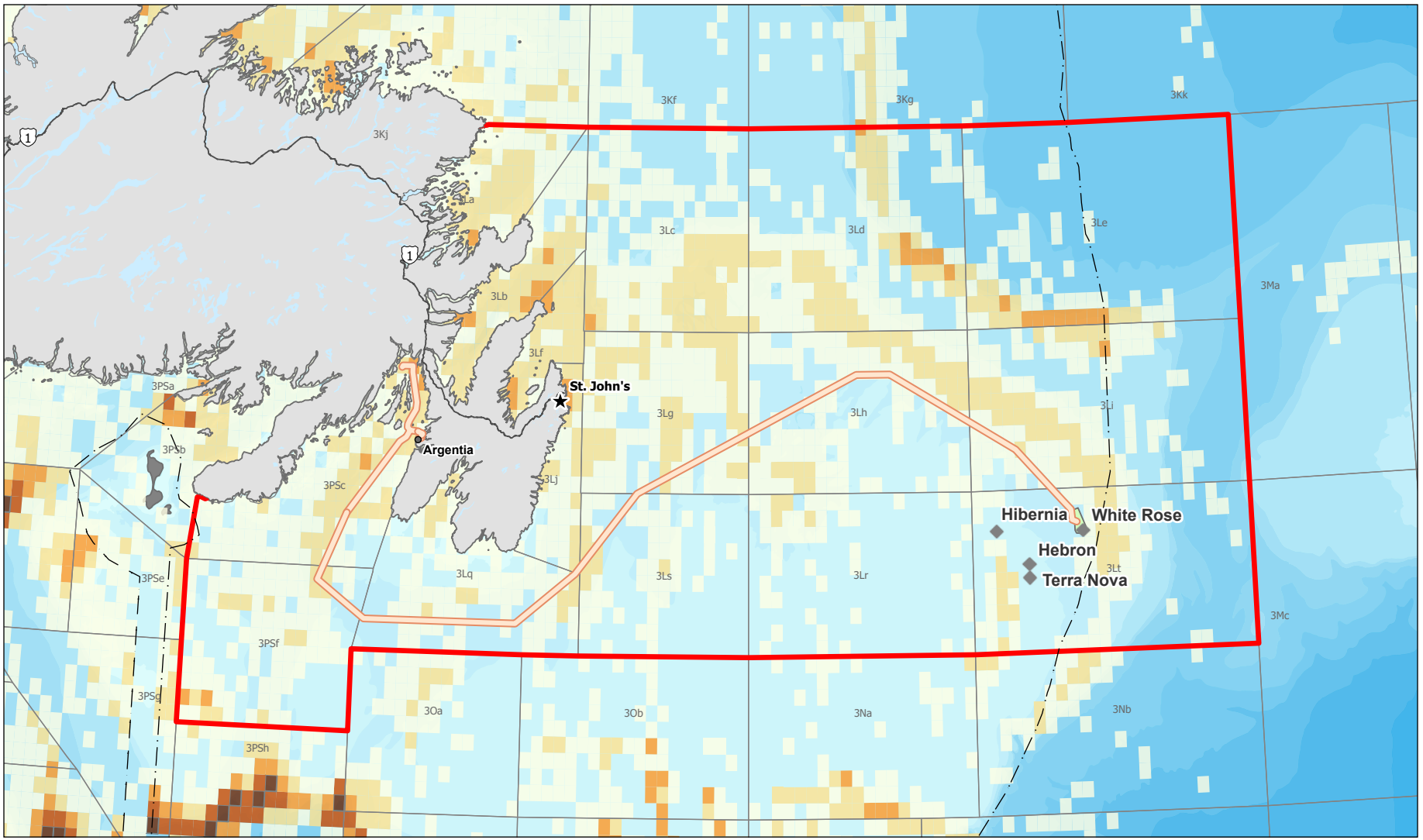
Information on weight and value of commercial fish species for the Nearshore Area (UA 3PSc) and Offshore Area (UAs 3PSf and 3Lghiqst) have been developed using commercial landings data provided by the Statistics Branch of DFO (C. Smith, DFO, pers. comm.). Figure 3.1 illustrates the commercial fishing intensity for species fished between 2018 to 2022 in the UAs transited by the tow route (i.e., 2025 Study Area). Commercial landing figures are derived from a high resolution DFO dataset (Government of Canada 2023) summarizing total landings by weight on a 10 km^2 hexagonal grid. The publicly available dataset has been processed to aggregate landings over a ten-year period privacy-screened according to Government of Canada policies, and includes well-documented metadata. This dataset is currently unchanged and covers 2012-2021. Tabular files provided directly by DFO include detailed weight and value data up to 2022 and have been summarized to show overall fishing intensity. However, they have a coarse resolution of 0.1 degree latitude and longitude, so it is not possible to focus into Placentia Bay. Therefore, commercial fisheries landings figures remain unchanged.

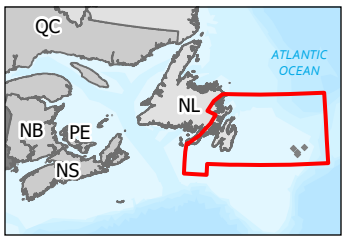
3.1.1 Nearshore Area

This section provides a general overview and description of commercial fisheries activities in the Nearshore Area (UA 3PSc) since the 2024 EA Update. For this updated baseline analysis, the area examined is all of Placentia Bay, which is encompassed by UA 3PSc. This administrative area is shown in Figure 2.1.

3.1.1.1 Current Unit Area 3PSc Fisheries

The composition of the harvest from 3PSc during the period 2018 to 2022, by weight and value, is provided in Table 3.1. Commercial landings (composite landings [kg] per 10 km^2 hexagon) of species harvested in Placentia Bay from 2011 to 2021 are illustrated in Figure 3.2. Cod, crab, and scallop landings in Placentia Bay from 2011 to 2021 are illustrated in Figures 3.3 to 3.5, respectively.





Fishing Intensity - Total Number of Landings for All Species (2018-2022)

- 1 - 13
- 14 - 38
- 39 - 88
- 89 - 175
- 176 - 417

- Platform Location
- Tow Route
- 200 Nautical Mile Limit
- Safety Zone
- 2025 Study Area
- NAFO Unit

N

0 40 80 Kilometres
(At original document size of 8.5x11)
1:4,000,000

Notes

1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.; Fisheries and Oceans Canada (2023). Integrated Catch and Effort Reporting System. Ottawa. [Access July 29, 2024]
3. Background: CanVec, GovNL

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Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by NW on 1/29/2025

Client/Project
Cenovus Energy Inc.
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Figure No.
3.1

Title
Commercial Fishing Intensity (All Species) in 2025 Study Area, 2018-2022

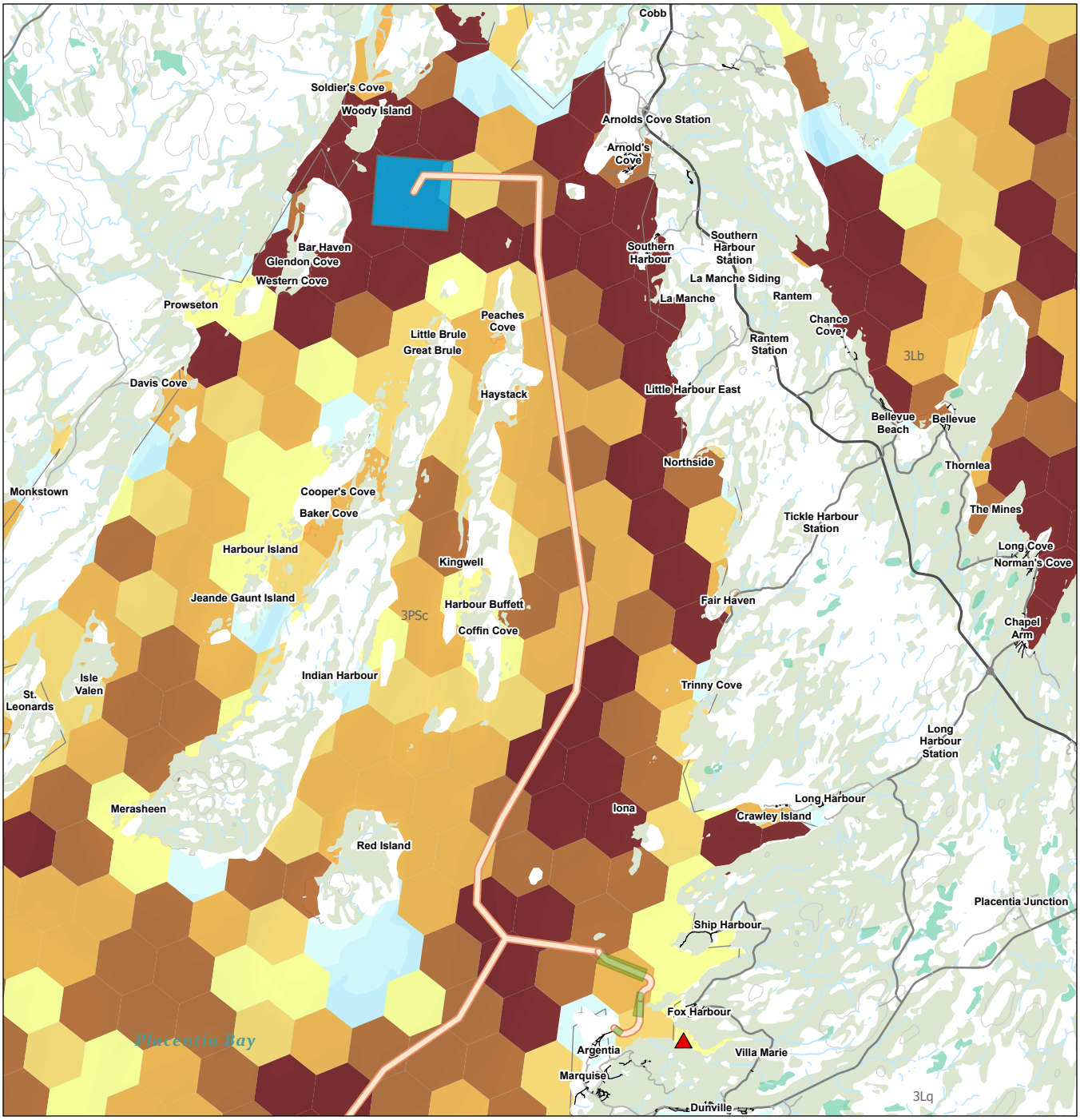
\\ca0151-ppfss01\work_group\1214\active\121418420\03_data\gis_cad\gis_data\mapping\aprx\121418420_Commercial_Fisheries.aprx Revised: 2025-01-29 By: aculff

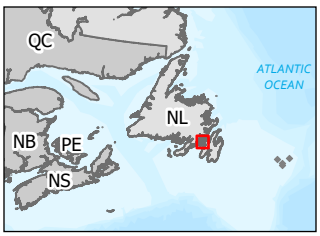
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Table 3.1 Unit Area 3PSc by Species, 2018 to 2022 Annual Average Harvest, Quantity and Value

Species	Weight (kg)	% of Total by kg	Value ($)	% of Total by $
Queen / Snow Crab	8,617,790	45.75%	110,567,997	88.58%
Atlantic Cod	5,767,420	30.62%	8,212,884	6.58%
Atlantic Herring	2,543,308	13.50%	861,454	0.69%
Sea Scallop	1,437,341	7.63%	3,540,134	2.84%
Whelk	254,735	1.35%	741,309	0.59%
Winter Flounder	73,711	0.39%	56,642	0.05%
American Plaice	43,410	0.23%	32,499	0.03%
Lobster	40,758	0.22%	571,047	0.46%
Atlantic Halibut	21,601	0.11%	203,504	0.16%
Pollock	19,841	0.11%	14,286	0.01%
Haddock	8,655	0.05%	8,415	0.01%
Greenland Halibut	4,473	0.02%	16,742	0.01%
Yellowtail Flounder	1,088	0.01%	643	0.001%
Monkfish	872	0.005%	1,090	0.001%
Redfish	254	0.001%	212	0.0002%
Total	**18,835,257**	**100%**	**124,828,859**	**100%**

Source: DFO Catch and Effort Data 2018 to 2022





Composite Landings (kg) per 10 km^2 hexagon
- 1 - 1285
- 1286 - 3984
- 3985 - 11594
- 11595 - 40638
- >40638

- Placentia Sound Disposal Site
- Dredge Areas
- Tow Route
- CGS Inshore Ballasting Site
- NAFO Unit

0 4 8 Kilometres
(At original document size of 8.5x11)
1:350,000

N

Notes
1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.; Commercial Fishing of Shrimp 2012-2021
3. Background: CanVec, GovNL

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Project Location
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Newfoundland

Prepared by acuff on 1/29/2025

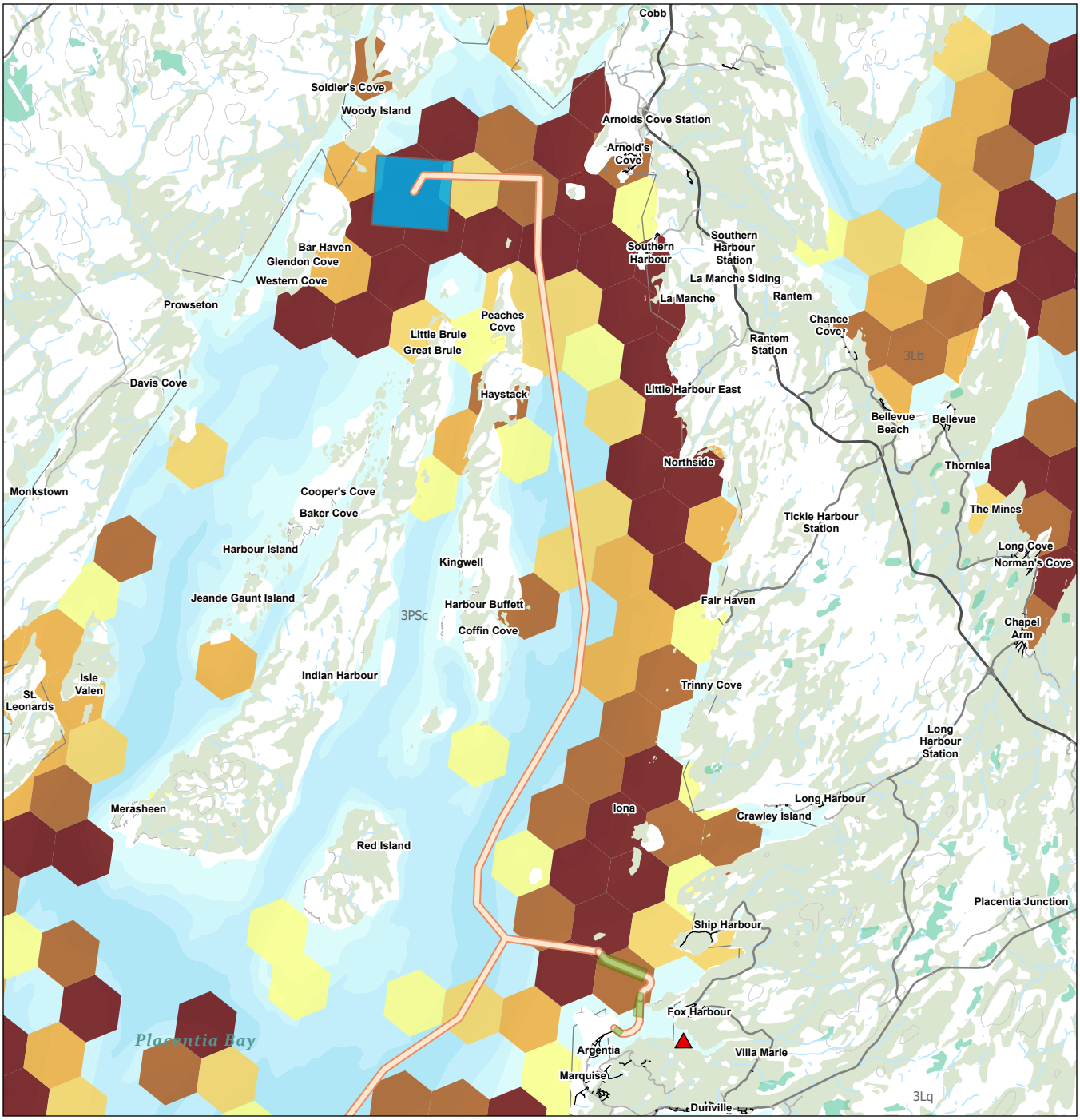
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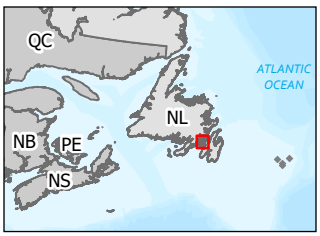
Figure No.
3.2

Title
Commercial Landings (kg) of All Species Harvested in Inner Placentia Bay, 2012-2021

\\ca0151-ppfss01\work_group\1214\active\121418420\03_data\gis_cad\gis_data\mapping\aprx\121418420_Commercial_Fisheries.aprx Revised: 2025-01-29 By: acuff

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Composite Landings (kg) per 10 km^2 hexagon
- 1 - 411
- 412 - 1360
- 1361 - 3957
- 3958 - 11404
- >11404

- Placentia Sound Disposal Site
- Dredge Areas
- Tow Route
- CGS Inshore Ballasting Site
- NAFO Unit

0 4 8 Kilometres
(At original document size of 8.5x11)
1:350,000

N

Notes
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2. Data Sources: Cenovus Energy Inc.; Commercial Fishing of Shrimp 2012-2021
3. Background: CanVec, GovNL

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Prepared by acuff on 1/29/2025

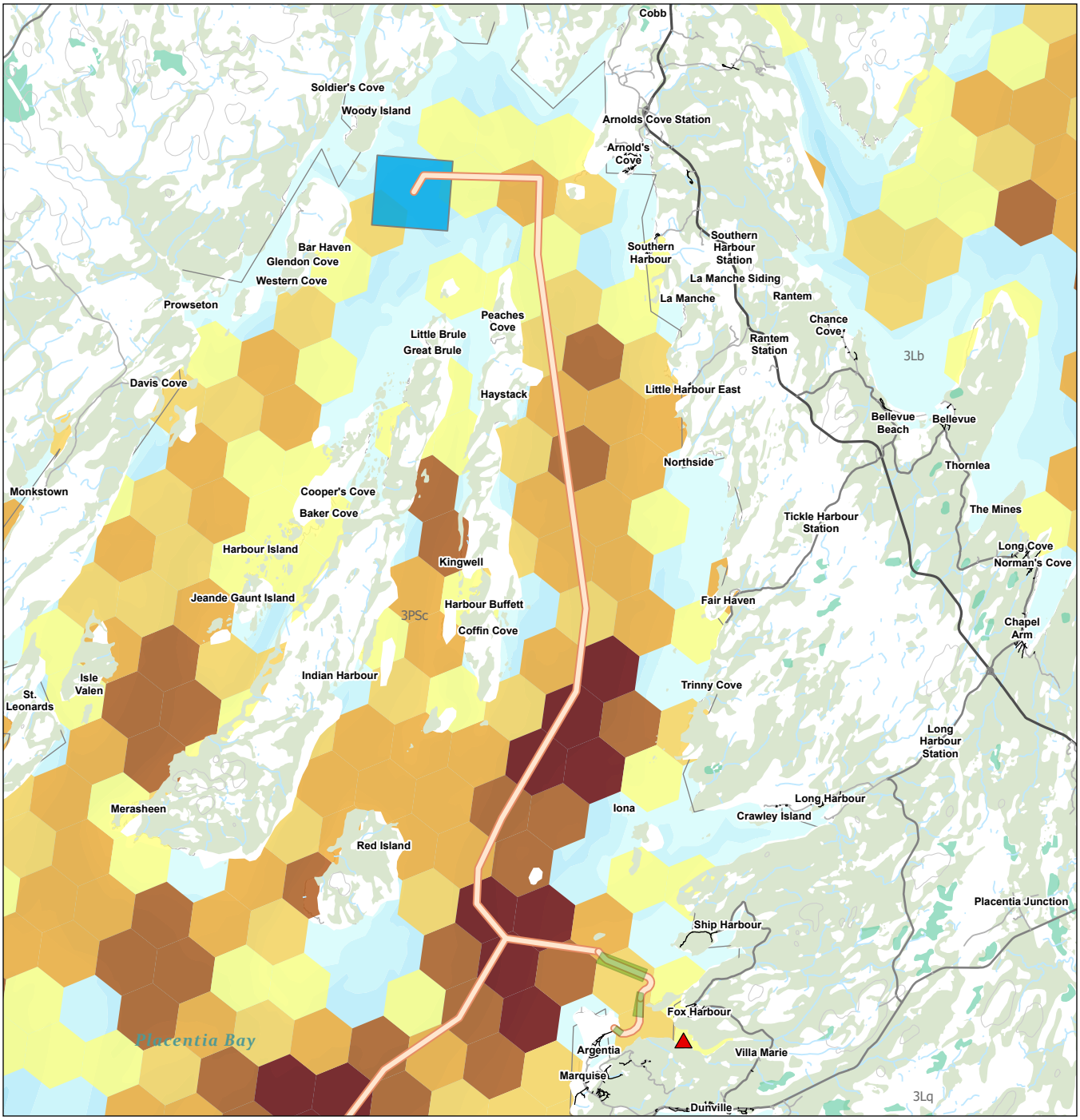
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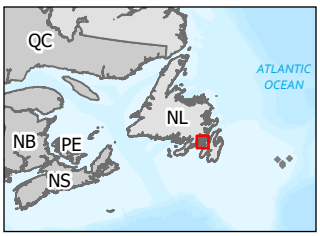
Figure No.
3.3

Title
Commercial Landings (kg) of Atlantic Cod Harvested in Inner Placentia Bay, 2012-2021

\\ca0151-ppfss01\work_group\1214\active\121418420\03_data\gis_cad\gis_data\mapping\aprx\121418420_Commercial_Fisheries.aprx Revised: 2025-01-29 By: acuff

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Composite Landings (kg) per 10 km^2 hexagon
- 4 - 1449
- 1450 - 4963
- 4964 - 14138
- 14139 - 40757
- >40757

- Placentia Sound Disposal Site
- Dredge Areas
- Tow Route
- CGS Inshore Ballasting Site
- NAFO Unit

0 4 8 Kilometres
(At original document size of 8.5x11)
1:350,000

N

Notes
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2. Data Sources: Cenovus Energy Inc.; Commercial Fishing of Shrimp 2012-2021
3. Background: CanVec, GovNL

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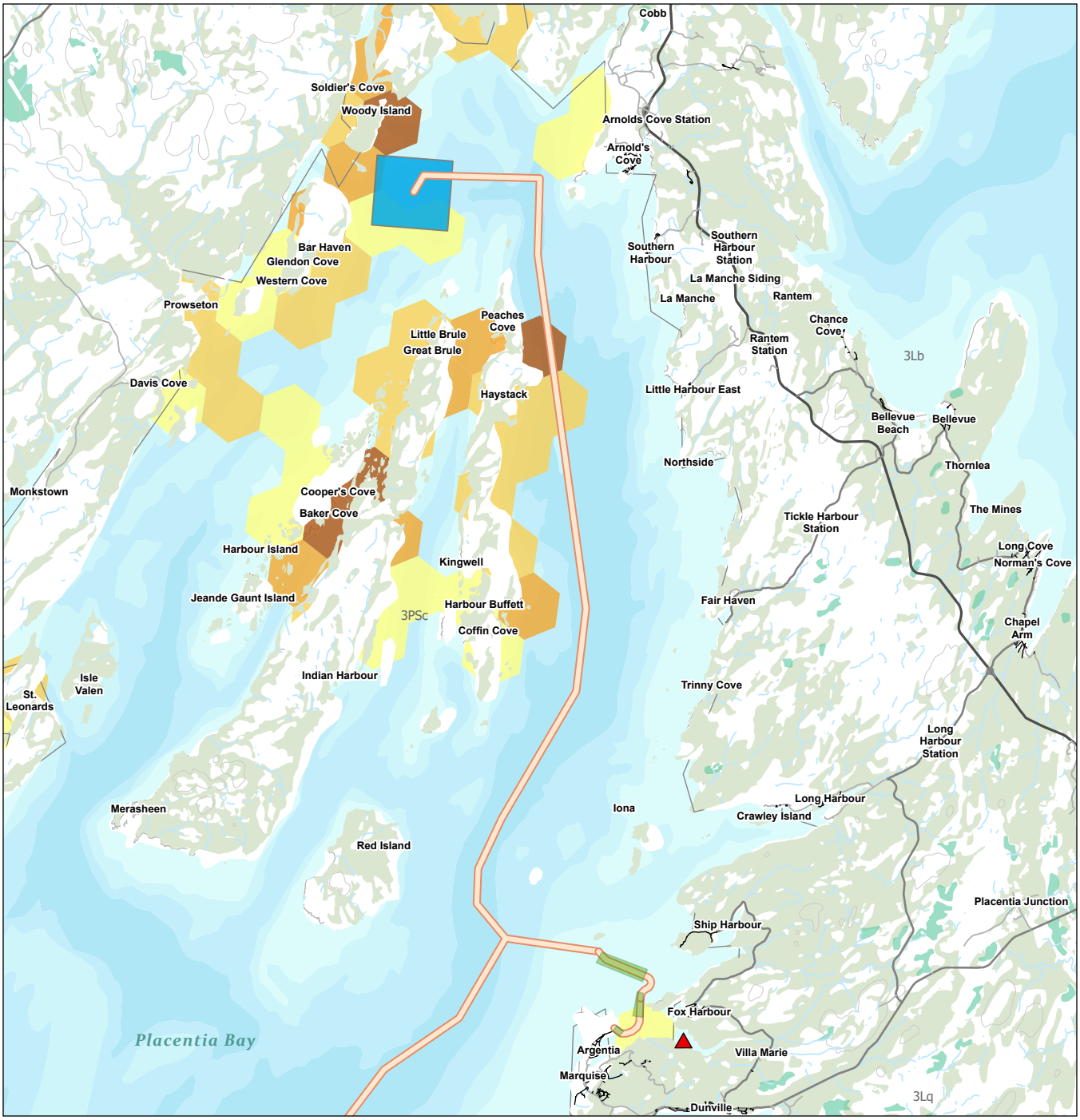
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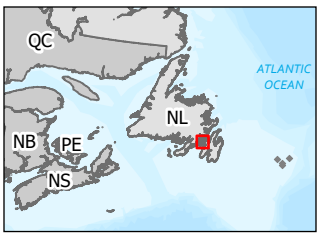
Figure No.
3.4

Title
Commercial Landings (kg) of Queen Snow Crab Harvested in Inner Placentia Bay, 2012-2021

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Composite Landings (kg) per 10 km^2 hexagon
- 1 - 648
- 649 - 2301
- 2302 - 6200
- 6201 - 38603

- Placentia Sound Disposal Site
- Dredge Areas
- Tow Route
- CGS Inshore Ballasting Site
- NAFO Unit

0 4 8 Kilometres
(At original document size of 8.5x11)
1:350,000

N

Notes
1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.; Commercial Fishing of Shrimp 2012-2021
3. Background: CanVec, GovNL

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Newfoundland

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Figure No.
3.5

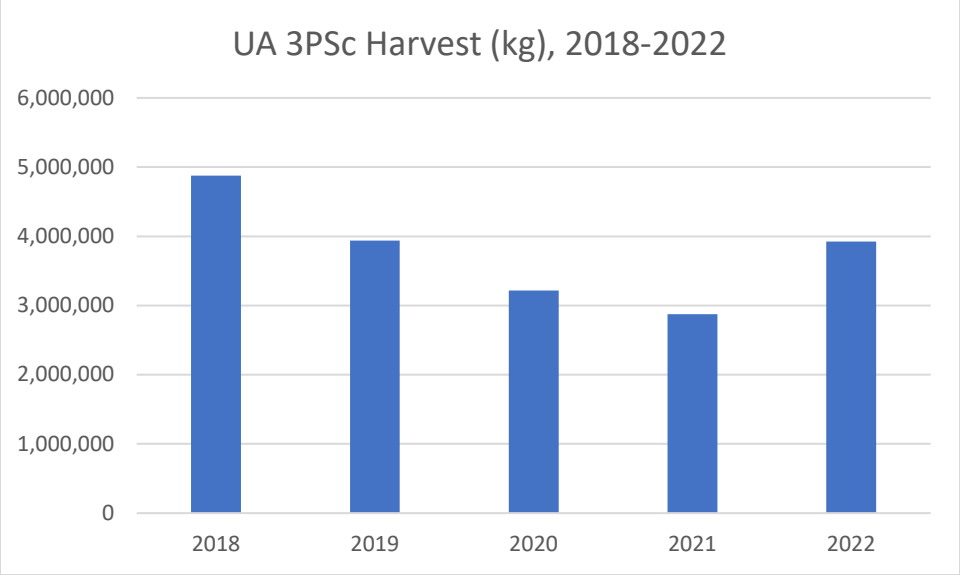
Title
Commercial Landings (kg) of Scallop Harvested in Inner Placentia Bay, 2012-2021

\\ca0151-ppfss01\work_group\1214\active\121418420\03_data\gis_cad\gis_data\mapping\aprx\121418420_Commercial_Fisheries.aprx Revised: 2025-01-29 By: acuff

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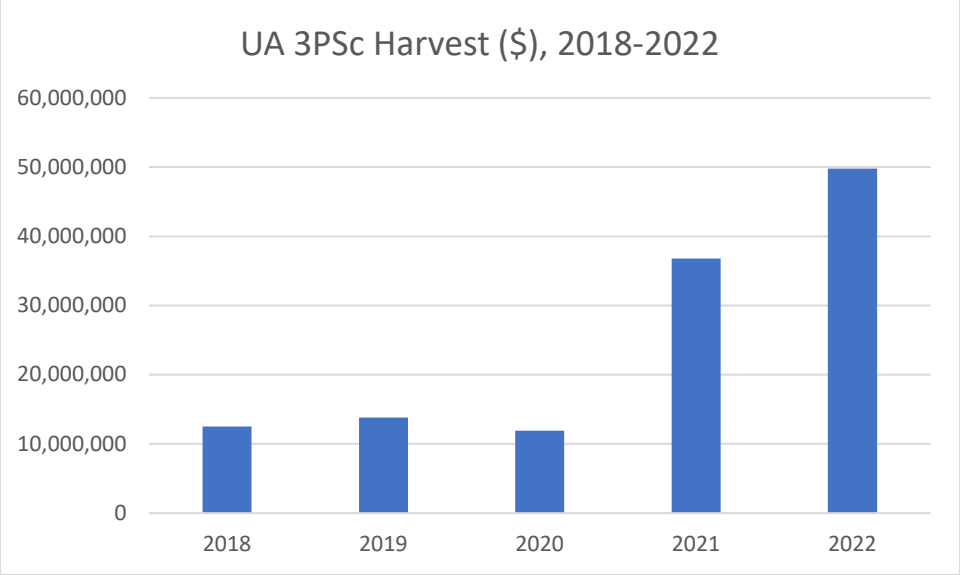
As the data in Table 3.1 show, queen / snow crab and Atlantic cod are the most commercially important species harvested in the area, accounting for 45.8% and 30.6% of the catch by weight, respectively, followed by Atlantic herring (13.5%) and sea scallop (7.6%). Given its high product value, queen / snow crab accounted for 88.6% of the landed value during 2018 to 2022, followed by Atlantic cod at 6.6%, and sea scallop at 2.8%. The other species listed in Table 3.1, together account for 2% of the remaining landed value between 2018 to 2022.

The quantity and value of the UA 3PSc fisheries by year from 2018 to 2022 are plotted in Figures 3.6 and 3.7. As these figures indicate, the highest total catch occurred in 2018, with a total of 4,879,082 kg and $12,527,740 in value. The lowest total catch occurred in 2021 (2,876,402 kg), which had the second highest value ($36,805,982). This is likely a result of inflation due to the COVID-19 pandemic. The highest harvest value was seen in 2022 at $49,774,007, indicating that inflation is likely still affecting the market.



Source: DFO Catch and Effort Data 2018 to 2022

Figure 3.6 Quantity of Harvest by Year, Unit Area 3PSc, 2018 to 2022



Source: DFO Catch and Effort Data 2018 to 2022

Figure 3.7 Value of Harvest by Year, Unit Area 3PSc, 2018 to 2022

3.1.1.2 Fishing Gear

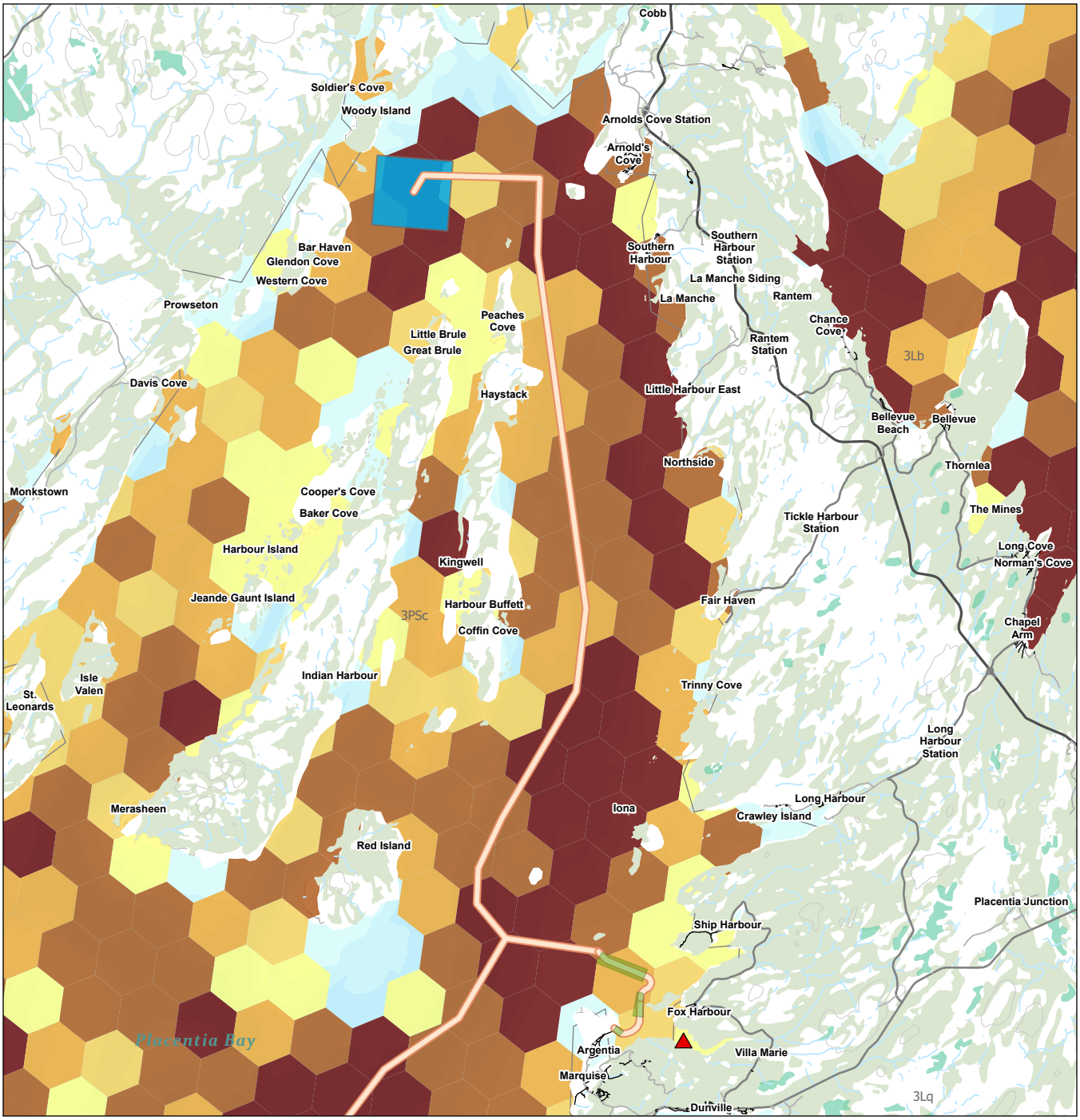
The average quantity and value of the total harvest by each gear and gear type (fixed versus mobile) for the 2018 to 2022 period is listed in Table 3.2. Overall, during 2018 to 2022, over 79.1% (by weight) of species were harvested with fixed gear.

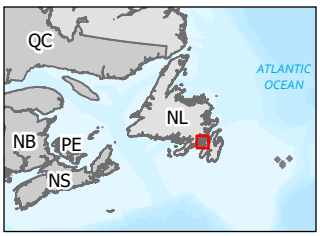
Table 3.2 Unit Area 3PSc Harvest by Gear and Gear Type, 2018 to 2022 Annual Average, Quantity and Value

Gear	Type	Weight (kg)	% of Total by kg	Value ($)	% of Total by $
Pot	Fixed	8,913,283	47.3%	111,880,353	89.6%
Gillnet (set or fixed)	Fixed	5,135,664	27.3%	7,257,085	5.8%
Purse seine	Mobile	2,505,076	13.3%	848,533	0.7%
Dredge (boat)	Mobile	1,437,341	7.6%	3,540,134	2.8%
Hand line (baited)	Fixed	463,778	2.5%	671,352	0.5%
Longline	Fixed	380,115	2.0%	631,403	0.5%
Total		**18,835,257**	**100%**	**124,828,859**	**100%**

Source: DFO Catch and Effort Data 2018 to 2022

Commercial landings in Inner Placentia Bay from 2012 to 2021 using fixed and mobile gear are illustrated in Figures 3.8 and 3.9, respectively.





Composite Landings (kg) per 10 km^2 hexagon
- 1 - 904
- 905 - 2766
- 2767 - 7796
- 7797 - 24586
- >24586

- Placentia Sound Disposal Site
- Dredge Areas
- Tow Route
- CGS Inshore Ballasting Site
- NAFO Unit

0 4 8 Kilometres
(At original document size of 8.5x11)
1:350,000

N

Notes
1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.; Commercial Fishing of Shrimp 2012-2021
3. Background: CanVec, GovNL

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Newfoundland

Prepared by acuff on 1/29/2025

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2025 Environmental Assessment Update

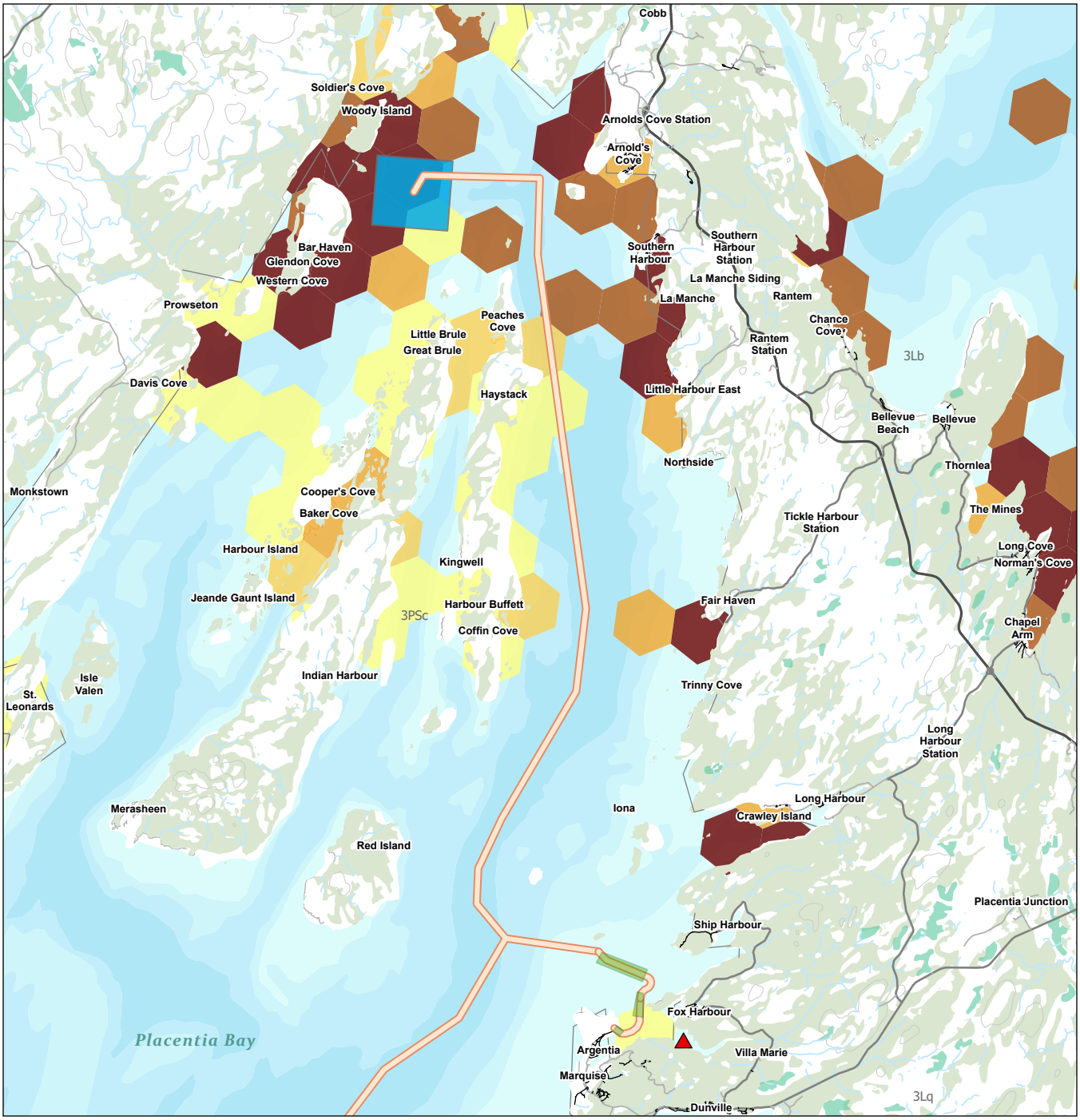
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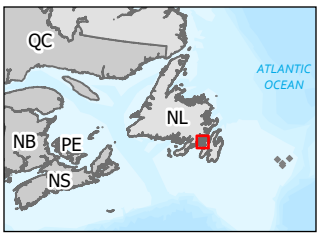
Figure No.
3.8

Title
Commercial Landings (kg) in Inner Placentia Bay using Fixed Gear, 2012-2021

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Notes

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3. Background: CanVec, GovNL

Composite Landings (kg) per 10 km^2 hexagon

- 1 - 2191
- 2192 - 6975
- 6976 - 22235
- 22236 - 83503
- >83503

- Placentia Sound Disposal Site
- Dredge Areas
- Tow Route
- CGS Inshore Ballasting Site
- NAFO Unit

0 4 8 Kilometres

(At original document size of 8.5x11)
1:350,000

N

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Project Location
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Prepared by acuff on 1/29/2025

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White Rose Extension Project
2025 Environmental Assessment Update

Figure No.
3.9

Title
Commercial Landings (kg) in Inner Placentia Bay using Mobile Gear, 2012-2021

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3.1.2 Offshore Area

This section provides a general overview and description of commercial fisheries activities in UAs 3PSf and 3Lghiqst since the EA was published in 2012. For this updated baseline analysis, the UAs examined comprise the Offshore Area. This administrative area is shown in Figure 2.1. Note that while the 2025 Study Area includes Placentia Bay (Section 3.1.1), the tables provide information specific to UAs 3PSf and 3Lghiqst, the UAs through which the tow channel transits.

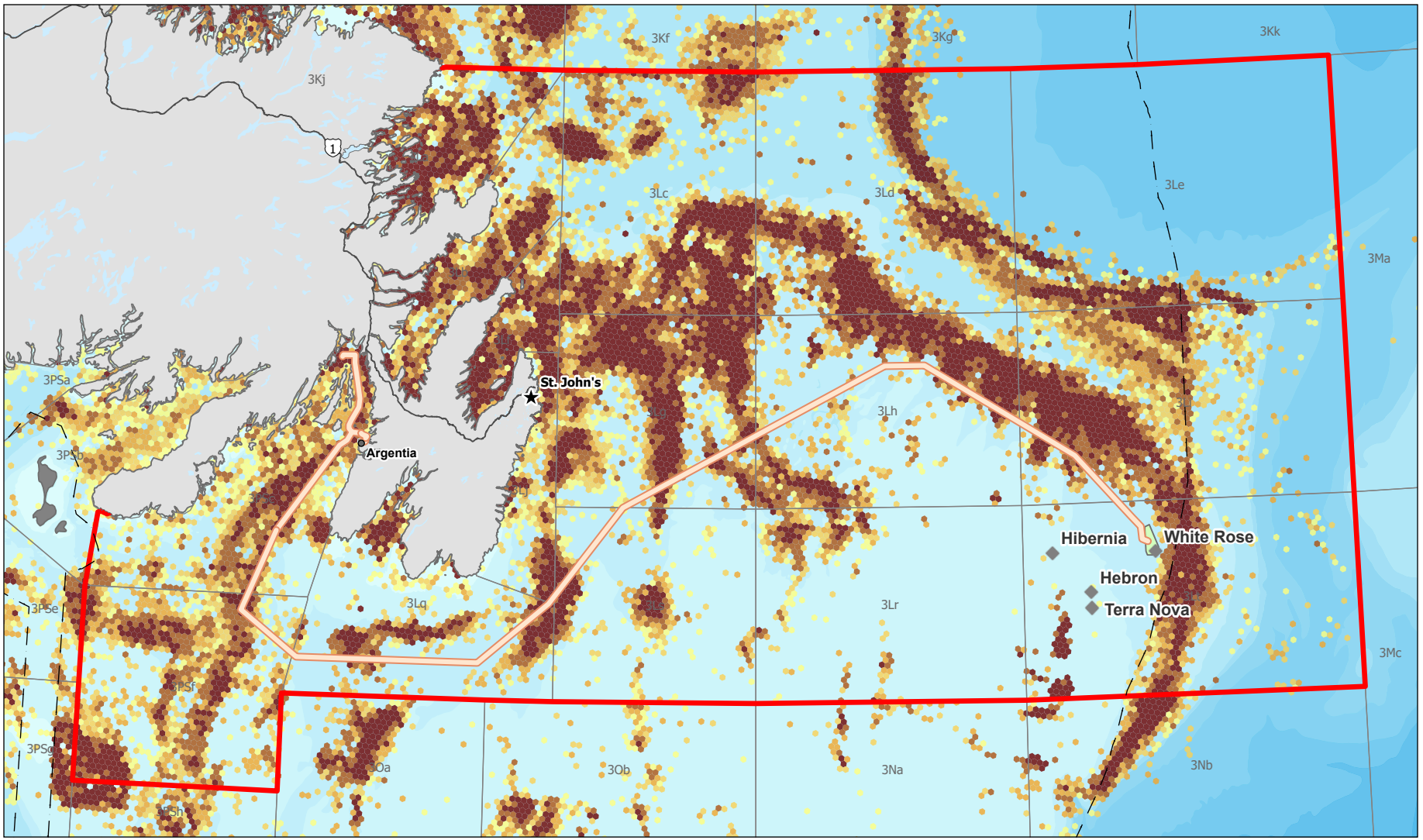
3.1.2.1 Current Offshore Area Fisheries

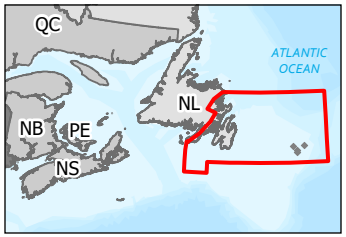
The composition of the harvest from UAs 3PSf and 3Lghiqst during the period 2018 to 2022, by weight and value, is provided in Table 3.3. Commercial landings (composite landings [kg] per 10 km² hexagon) of species harvested in the Offshore are illustrated in Figure 3.10. Crab landings in offshore area are illustrated in Figure 3.11.

Table 3.3 Unit Areas 3PSf and 3Lghiqst by Species, 2018 to 2022 Annual Average Harvest, Quantity and Value

Species	Weight (kg)	% of Total by kg	Value ($)	% of Total by $
Queen / Snow Crab	64,050,191	87.90%	795,910,542	97.96%
Sea Cucumber	7,406,692	10.16%	10,807,294	1.33%
Greenland Halibut	924,768	1.27%	3,272,957	0.40%
Atlantic Cod	207,438	0.28%	289,567	0.04%
Atlantic Halibut	119,826	0.16%	1,899,005	0.23%
Shortfin Squid	86,696	0.12%	126,147	0.02%
Whelk	64,185	0.09%	173,522	0.02%
Sea Scallop	4,670	0.01%	14,242	0.002%
Roe, Cod	1,591	0.002%	4,223	0.001%
Total	**72,866,057**	**100%**	**812,497,498**	**100%**

Source: DFO Catch and Effort Data 2018 to 2022





Composite Landings (kg) per 10 km² hexagon

- 1 - 1285
- 1286 - 3984
- 3985 - 11594
- 11595 - 40638
- >40638

- Platform Location
- Tow Route
- 200 Nautical Mile Limit
- Safety Zone
- 2025 Study Area
- NAFO Unit

N

0 40 80 Kilometres
(At original document size of 8.5x11)
1:3,350,000

Notes

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3. Background: CanVec, GovNL

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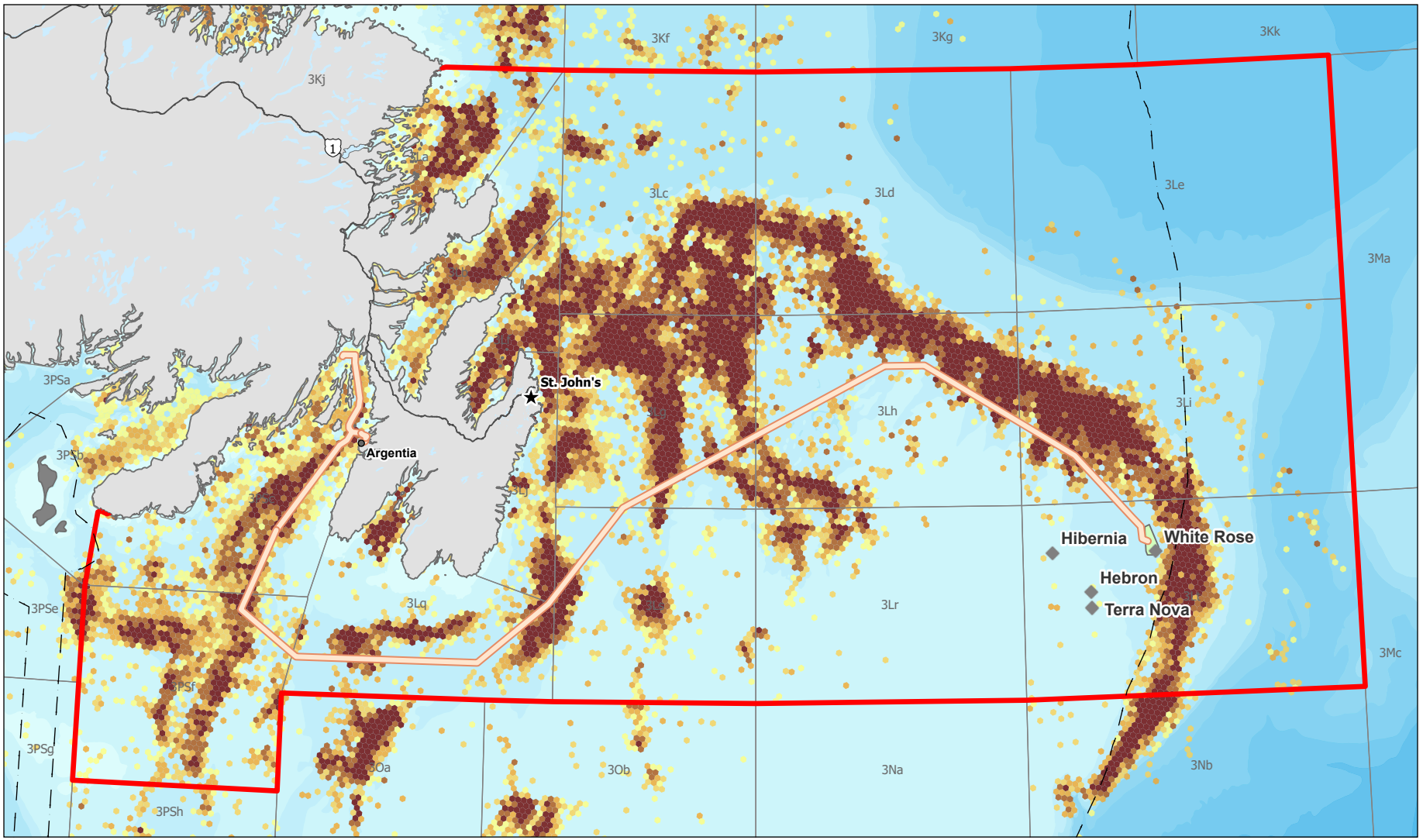
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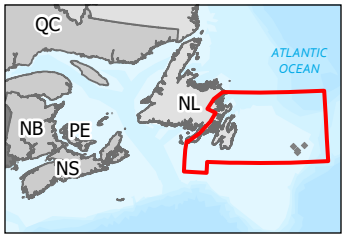
Figure No.
3.10

Title
Commercial Landings (kg) of All Species Harvested in the 2025 Study Area, 2012-2021

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Composite Landings (kg) per 10 km² hexagon

- 4 - 1449
- 1450 - 4963
- 4964 - 14138
- 14139 - 40757
- >40757

- Platform Location
- Tow Route
- 200 Nautical Mile Limit
- Safety Zone
- 2025 Study Area
- NAFO Unit

N

0 40 80 Kilometres
(At original document size of 8.5x11)
1:3,350,000

Notes

1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.; Fisheries and Oceans Canada (2023). Integrated Catch and Effort Reporting System. Ottawa. [Access July 29, 2024]
3. Background: CanVec, GovNL

Stantec

Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by NW on 1/29/2025

Client/Project
Cenovus Energy Inc.
White Rose Extension Project
2025 Environmental Assessment Update

121418420_004

Figure No.
3.11

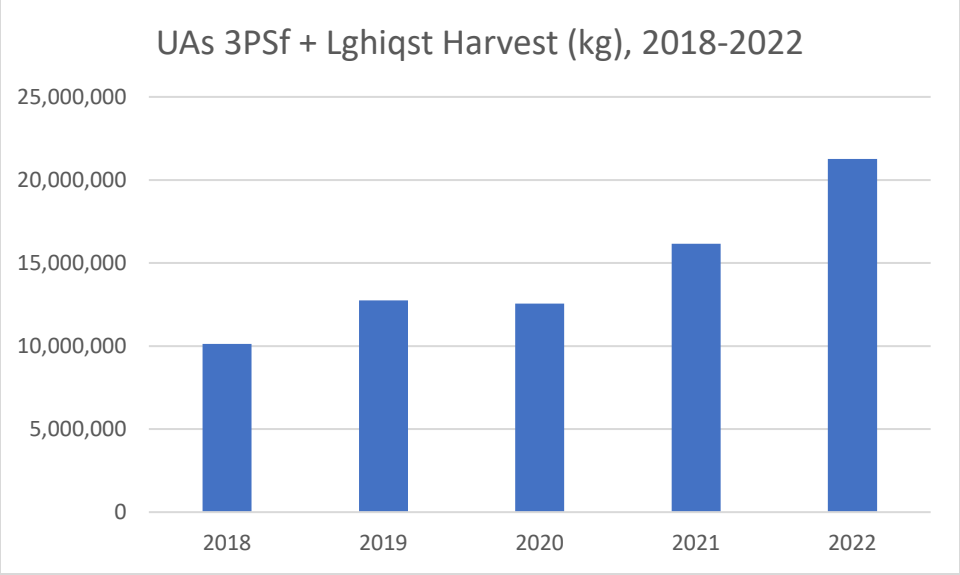
Title
Commercial Landings (kg) of Queen/ Snow Crab Harvested in the 2025 Study Area, 2012-2021

\\ca0151-ppfss01\work_group\1214\active\121418420\03_data\gis_cad\gis_data\mapping\aprx\121418420_Commercial_Fisheries.aprx Revised: 2025-01-29 By: aculff

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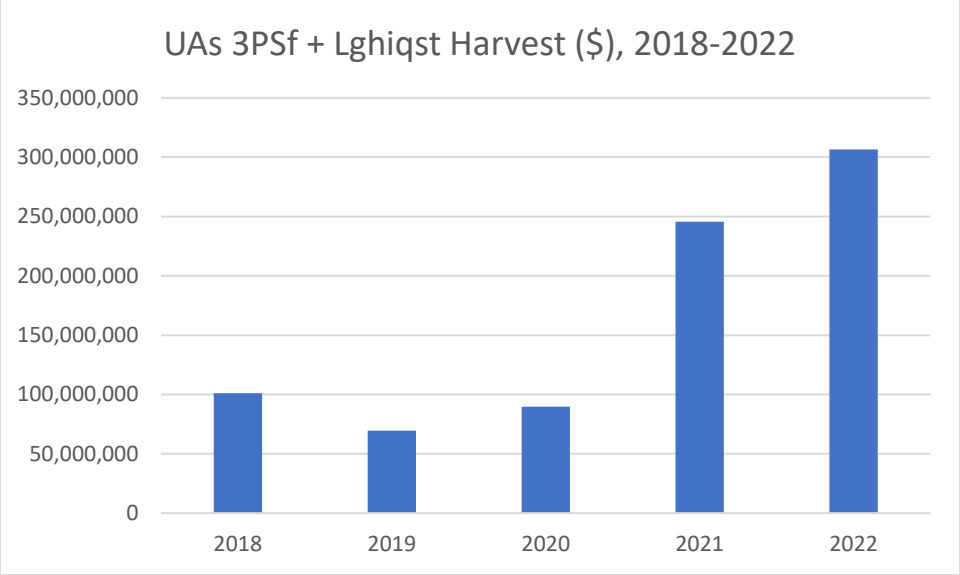
As the data in Table 3.3 show, queen / snow crab is the most commercially important species harvested in the area, accounting for 87.9% of the catch by weight, followed by sea cucumber (10.2%). Queen / snow crab accounted for 98% of the landed value during 2018 to 2022.

The quantity and value of the UAs 3PSf and 3Lghiqst fisheries by year from 2018 to 2022 are plotted in Figures 3.12 and 3.13, respectively. The highest total catch occurred in 2022 with a total of 21,256,505 kg. As Figure 3.12 indicates, the area's annual catch has increased each year since 2018, apart from 2020, which saw a slight decline. Catch weight increased in 2021 and 2022, recording the highest harvest values of $245,638,340 and $306,629,663, respectively.



Source: DFO Catch and Effort Data 2018 to 2022

Figure 3.12 Quantity of Harvest by Year, Unit Areas 3PSf and 3Lghiqst, 2018 to 2022



Source: DFO Catch and Effort Data 2018 to 2022

Figure 3.13 Value of Harvest by Year, Unit Areas 3PSf and 3Lghiqst, 2018 to 2022

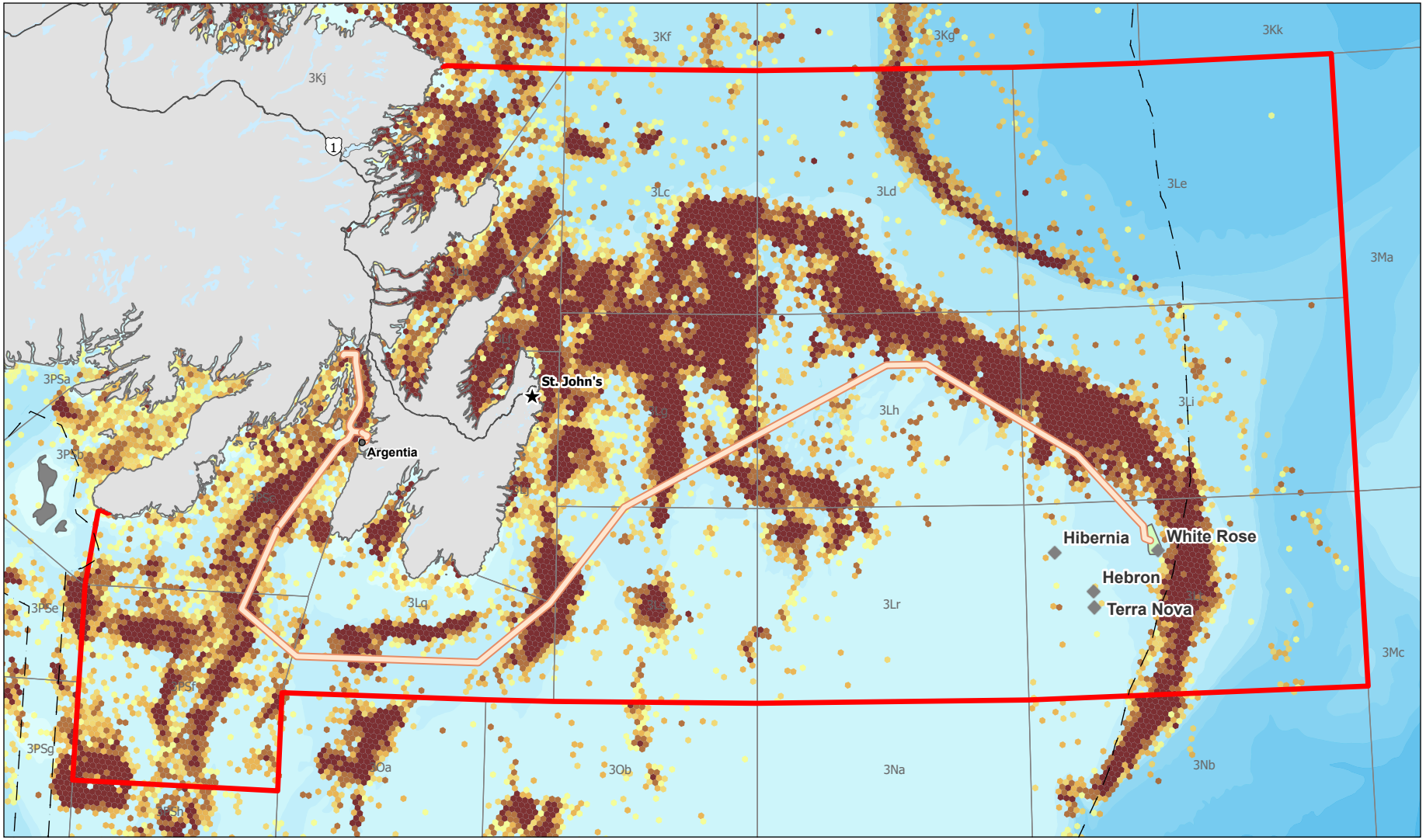
3.1.2.2 Fishing Gear

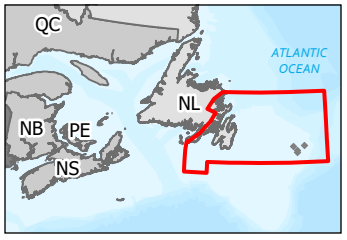
The average quantity and value of the total harvest by each gear and gear type (fixed [Figure 3.14] versus mobile [Figure 3.15]) in the 2025 Study Area for the 2018 to 2022 period is listed in Table 3.4. Overall, during 2018 to 2022, 99.99% (by weight) of species were harvested with fixed gear.

Table 3.4 Unit Areas 3PSf and 3Lghiqst Harvest by Gear and Gear Type, 2018 to 2022 Annual Average, Quantity and Value

Gear	Type	Weight (kg)	% of Total by kg	Value ($)	% of Total by $
Pot	Fixed	64,114,376	87.99%	796,084,064	97.98%
Sea Cucumber drag	Fixed	7,406,692	10.16%	10,807,294	1.33%
Gillnet (set or fixed)	Fixed	1,131,265	1.55%	3,564,663	0.44%
Longline	Fixed	122,358	0.17%	1,901,089	0.23%
Mechanized squid jigger	Fixed	86,696	0.12%	126,147	0.02%
Dredge (boat)	Mobile	4,670	0.01%	14,242	0.002%
Total		**72,866,057**	**100%**	**812,497,498**	**100%**

Source: DFO Catch and Effort Data 2018 to 2022





Composite Landings (kg) per 10 km² hexagon

- 1 - 904
- 905 - 2766
- 2767 - 7796
- 7797 - 24586
- >24586

- Platform Location
- Tow Route
- 200 Nautical Mile Limit
- Safety Zone
- 2025 Study Area
- NAFO Unit

N

0 40 80 Kilometres
(At original document size of 8.5x11)
1:3,350,000

Notes

1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.; Fisheries and Oceans Canada (2023). Integrated Catch and Effort Reporting System. Ottawa. [Access July 29, 2024]
3. Background: CanVec, GovNL

Stantec

Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by NW on 1/29/2025

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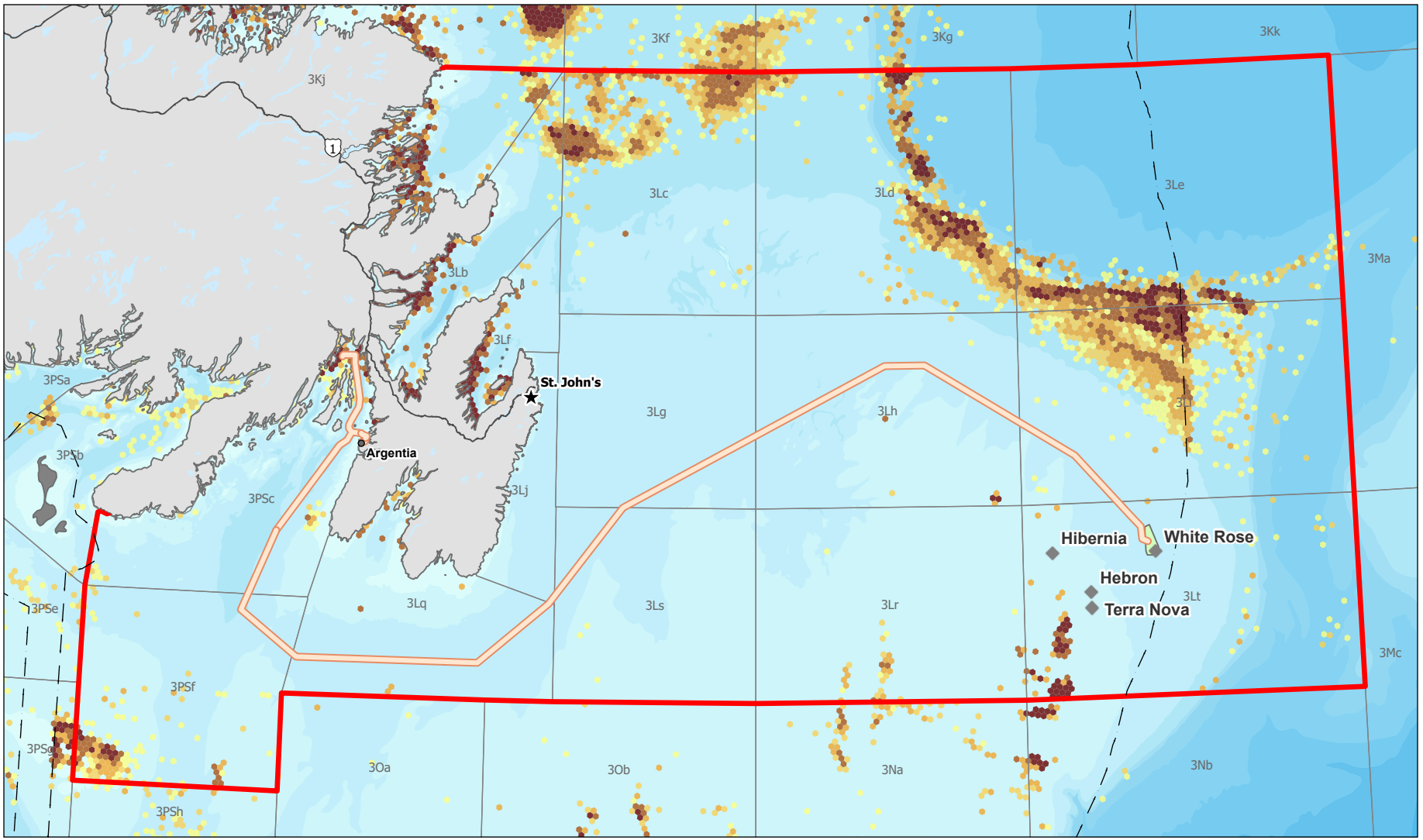
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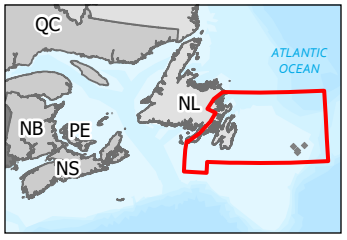
Figure No.
3.14

Title
Commercial Landings (kg) in the 2025 Study Area using Fixed Gear, 2012-2021

\\ca0151-ppfss01\work_group\1214\active\121418420\03_data\gis_cad\gis_data\mapping\aprx\121418420_Commercial_Fisheries.aprx Revised: 2025-01-29 By: aculff

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Composite Landings (kg) per 10 km² hexagon

- 1 - 2191
- 2192 - 6975
- 6976 - 22235
- 22236 - 83503
- >83503

- Platform Location
- Tow Route
- 200 Nautical Mile Limit
- Safety Zone
- 2025 Study Area
- NAFO Unit

N

0 40 80 Kilometres
(At original document size of 8.5x11)
1:3,350,000

Notes

1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.; Fisheries and Oceans Canada (2023). Integrated Catch and Effort Reporting System. Ottawa. [Access July 29, 2024]
3. Background: CanVec, GovNL

Stantec

Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by NW on 1/29/2025

Client/Project
Cenovus Energy Inc.
White Rose Extension Project
2025 Environmental Assessment Update

121418420_004

Figure No.
3.15

Title
Commercial Landings (kg) in the 2025 Study Area using Mobile Gear, 2012-2021

\\ca0151-ppfss01\work_group\1214\active\121418420\03_data\gis_cad\gis_data\mapping\aprx\121418420_Commercial_Fisheries.aprx Revised: 2025-01-29 By: aculff

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3.2 Species at Risk

Appendix A outlines species at risk as designated by the *Species at Risk Act* (SARA) and the Committee on the Status of Endangered Wildlife in Canada (COSEWIC), as well as the Newfoundland and Labrador (NL) *Endangered Species Act*, for the Nearshore Study Area and 2025 Study Area.

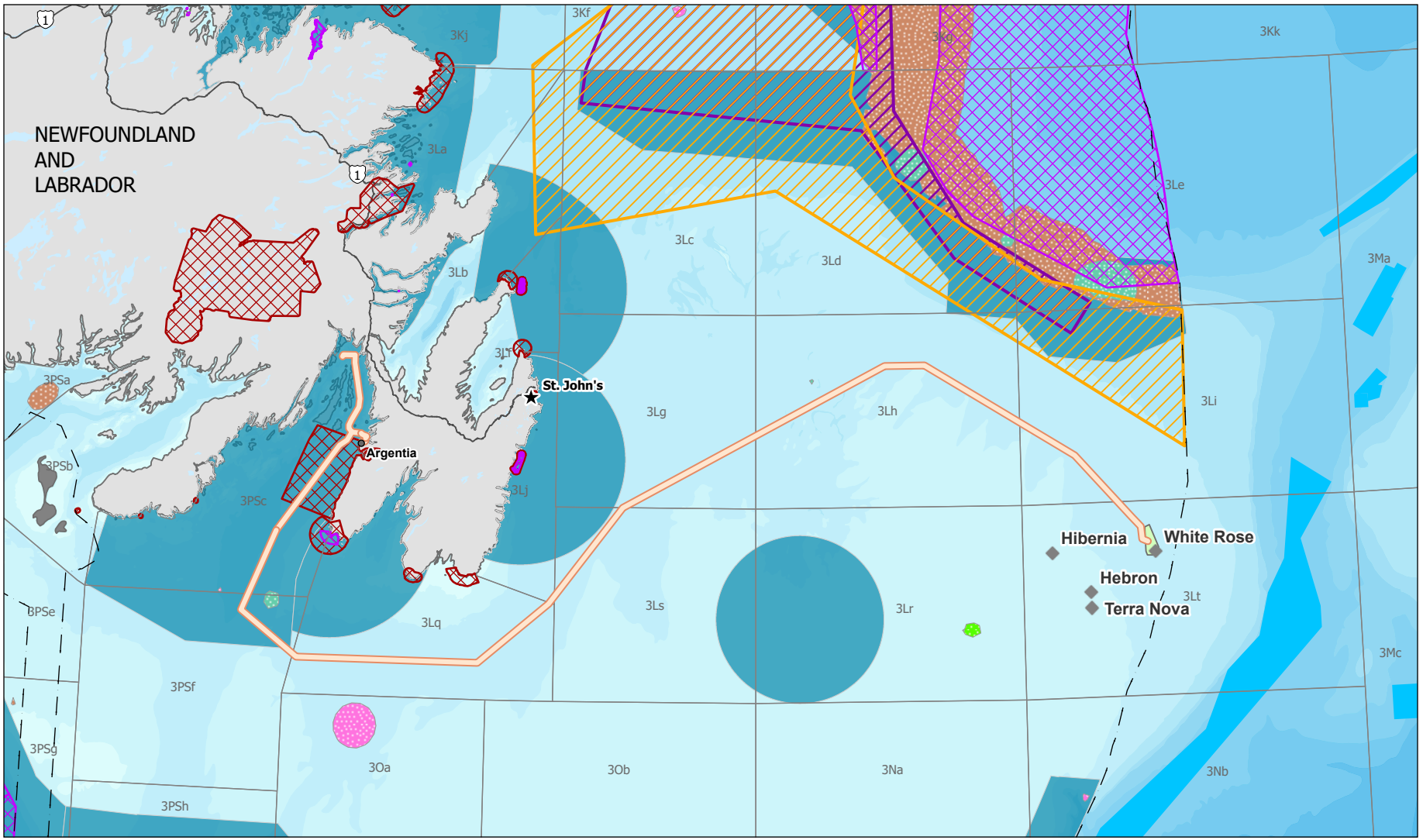
Since the 2024 EA Update, zero species have been re-assessed by COSEWIC and/or SARA with zero new designations (Environment and Climate Change Canada [ECCC] 2024).

A search of the SARA Registry as of January 27, 2025, indicated one new Recovery Strategy (for the White Shark [*Carcharodon carcharias*]), no new Management Plans, and no new Action Plans issued for species at risk in the Project Area since the 2024 EA Update (ECCC 2024). Recovery Strategies, Management Plans, and Action Plans for species at risk are outlined in Appendix A.

Since the 2024 EA Update, no new species have been assessed by COSEWIC (ECCC 2024).

3.3 Special Areas

The planned tow route travels through the Placentia Bay Extension Ecologically and Biologically Significant Area (EBSA) and Placentia Bay Important Bird Area (IBA) (Figure 3.16). These were described in the White Rose Extension Project EA (Husky 2012). The planned tow route does not overlap with the Cape St. Mary's IBA and Marine Refuge or a large gorgonian coral Significant Benthic Area (SiBA) (Figure 3.16). In addition to the IBAs, other sensitive areas located along the coast / shoreline include eelgrass beds, salt marshes, capelin beaches, and river otter haul-outs. These were described in the White Rose Extension Project EA (Husky 2012). Other than the Placentia Bay Extension EBSA and Placentia Bay IBA, the tow route does not transit through a special or environmentally sensitive area (Figure 3.16).



Notes

1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc., Bird Studies Canada, North American Fisheries Organization, Department of Fisheries and Oceans Canada
3. Background: CanVec, GovNL

Stantec

Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by acuff on 1/29/2025

Client/Project
Cenovus Energy Inc.
White Rose Extension Project
2025 Environmental Assessment Update

121418420_010

Figure No.
3.16

Title
Environmentally Sensitive Areas in the 2025 Study Area (including Placentia Bay)

\\ca0151-ppfss01\work_group\1214\active\121418420\03_data\gis_cad\gis_data\mapping\aprx\121418420_Basemaps_ProjectDescription.aprx Revised: 2025-01-29 By: acuff

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3.4 DFO Research Surveys

DFO undertakes annual fisheries research surveys in the NL offshore area. Table 3.5 provides the schedule for DFO research surveys for 2024 (P. Upward, pers. comm. 2024). It is assumed that 2025 surveys will occur within similar time frames. Cenovus will coordinate with DFO prior to commencement of proposed activities described in Section 2.2 to determine if there are spatial or temporal conflicts.

Table 3.5 Proposed 2024 DFO Research Vessel Surveys

Vessel	Activity	NAFO Divisions	Planned Start	Planned End
RV Cabot	NL Multispecies Spring Survey	3LNOPs	April 9, 2024	June 23, 2024
	NL Multispecies Fall Survey	2HJ3K	October 2, 2024	December 16, 2024
RV Vladykov	3KL Cod Tagging Summer	3K	June 25, 2024	July 8, 2024
	C&P Bonavista Bay	3L	July 9, 2024	July 14, 2024
	C&P Bonavista Bay Mission 2	3L	July 9, 2024	July 12, 2024
	August 2024 Capelin Late Larval Survey	3L	August 13, 2024	August 21, 2024
	September 2024 Capelin Late Larval Survey	3L	September 19, 2024	September 27, 2024
	3KL Cod Tagging Fall	North East Coast	October 14, 2024	October 27, 2024
RV Cartier	NL Fall Multispecies Survey	2HJ3KL3LNO	October 2, 2024	December 21, 2024

There is also an annual Industry-DFO Collaborative Post Season Trap Survey for snow crab, which is conducted using commercial and modified snow crab traps at established trap stations (J. Pantin, DFO, pers. comm.). The survey typically starts in late August or early September after the commercial snow crab season has ended. The fixed locations are the same each year; other stations are selected using a random stratified method and vary in location each year, based upon consultations with Food, Fish and Allied Workers-Unifor (FFAW-Unifor). Each station consists of setting 10 traps for a maximum soak time of 24 hours, after which the station is surveyed. This is important to recognize and work with the FFAW to avoid conflicts (i.e., stations can be surveyed in advance / after activities).

The Atlantic Halibut Survey is conducted by DFO Maritimes each year. Survey locations include both fixed and random stratified stations.

Appendix B illustrates the 2024 locations of the post-season crab survey and the 2022 locations for the halibut survey.

Cenovus will contact DFO prior to commencement of proposed 2025 activities described in Section 2.2 to determine if there are spatial or temporal conflicts.



3.5 Mitigation Measures

Each vessel for construction will have its own Environmental Protection Plan that will align with the C-NLOPB's Offshore Waste Treatment Guidelines (National Energy Board et al. 2010), Environmental Protection Plan Guidelines (National Energy Board et al. 2011), Drilling and Production Guidelines (C NLOPB and Canada-Nova Scotia Offshore Petroleum Board 2011), the Geophysical, Geological, Environmental and Geotechnical Program Guidelines (C-NLOPB 2017) and other applicable regulatory requirements.

Cenovus re-commits to implementing the mitigation measures described in the approved EA for the proposed activities to be carried in 2024. Mitigation measures to be implemented for the proposed 2024 activities, as outlined in the previously approved EA and amendments, include the following:

- Equipment design
- Water quality monitoring during dredging
- Spill Response Plan
- Adherence to Transport Canada's *Ballast Water Control and Management Regulations*
- Environmental Protection Plan
- Compliance with *Fisheries Act* Authorization
- Use of industry best practices
- Safety zone
- Adhere to Canadian Wildlife Service recovery and release protocol for stranded birds
- Maintain steady course and safe speed when possible
- Avoid / deviate course for marine mammal and sea turtle and marine bird concentrations when possible
- Minimum altitude of 300 m and lateral distance of 2 km when using helicopter to travel near active colonies, including Cape St. Mary's Ecological Reserve and elsewhere when possible
- Fisheries Liaison Committee (FLC)
- Fisheries Liaison Officer
- Single point of contact
- Marine Mammal and Seabird Observer(s) – Where Applicable
- Communication / notifications
- Gear damage compensation
- Loss of access compensation
- Use of agreed routes / Vessel Traffic Separation Scheme

3.6 Environmental Effects Assessment Statement

The proposed 2025 construction and installation activities to be executed by Cenovus has been reviewed and assessed to be within the scope of previously approved EA, specifically:

- The scope and nature of proposed activities and addressed under the previously approved EA and amendments have not changed
- The nature and extent of the fishing activities being undertaken in the 2025 Study Area have been validated and have not changed such that proposed activities pose potential effects not previously assessed
- The nature of the species at risk in the 2025 Study Area have been validated; since the 2024 EA Update, no new species have been re-assessed by COSEWIC and/or SARA with new designations: and no new species have been assessed by COSEWIC,
- No critical habitats for these species defined pursuant to the SARA occur in the 2025 Study Area
- The mitigation measures defined and committed to in the previously approved EA are still valid and will continue to be implemented
- The commitments and conditions associated with the previously approved EA will be implemented
- Cenovus continues to consult with regulatory agencies, fishers and Indigenous groups directly affected by the proposed activities under the previously approved EA

The environmental effects predicted in the previously approved EA remain valid. Cenovus reaffirms its commitment to implement the mitigation measures, commitments and conditions associated with the EA.

4 Engagement

The following is a high-level summary of the engagement activities completed by Cenovus as it relates to the West White Rose Project.

4.1 Legacy Project Engagement

The original project EA was approved in 2012 with amended scope changes in 2014. The Project was then placed on hold until it was sanctioned in 2017. Since 2018, there has been consistent activities at the Argentia site where the CGS is currently under construction. The project has been engaging with the Newfoundland and Labrador Department of Environment and Climate Change (NLDECC), Placentia Bay Traffic Management Committee, Traffic Advisory Committee, Port of Argentia, and town of Argentia throughout this period. The marine and subsea components of the Project were placed on hold during the Covid-19 pandemic with some varying levels of engagement with stakeholders for these programs. The Project had an official restart in late 2022 and had re-engaged stakeholders in the area prior to planned work in Placentia Bay and offshore in 2024. The scope of this engagement section of this EA update has been limited to the period following the last EA Update that included consultation up to Mar 2024.

4.2 Fishers

Table 4.1 summarizes Cenovus engagement with commercial fishers and OneOcean since previous EA update. During this time period, the FLC was re-established in order to provide a working group as activity picks up in Placentia Bay. Fisheries engagement will continue through 2025.

Table 4.1 Summary of Engagement with Commercial Fishers and One Ocean

Group	Date	Purpose	Commitments / Outcomes
OneOcean	14-Mar-24	Update on status of West White Rose project, with specific focus on marine activities	• Planned engagement of 3L harvesters ahead of operations
Canadian Coast Guard Marine Advisory Board	21-Mar-24	Update on status of West White Rose project, with specific focus on marine activities and subsea scopes	• N/A
Fox Harbour (FLC Rep)	26-Mar-24	Discuss path forward for FLC and ongoing engagement during fishing activities	• N/A
FLC Fishers Reps	28-Mar-24	Discussion regarding fishing areas, dredge material deposition, timing of dredging. Indicated Placentia Sound best location for disposal at sea.	• N/A
Fishers Reps Calls	28-May-24	Discussed project planned activities and path forward on potential compensation	• information

Table 4.1 Summary of Engagement with Commercial Fishers and One Ocean

Group	Date	Purpose	Commitments / Outcomes
FLC meeting Placentia	10-April-24	Discussion regarding, alternate reef ball sites, turbidity levels during dredging and mitigations	• NA
Qalipu First Nation	3-May-24	Introduction to Cenovus and the West White Rose project. Overview of activities in Argentia Harbour and Placentia Bay, particularly dredging activities, inshore and offshore tow out, and dredging offsetting plan.	• N/A
Miawpukek First Nation	8-May-24	Introduction to Cenovus and the West White Rose project. Overview of activities in Argentia Harbour and Placentia Bay, particularly dredging activities, inshore and offshore tow out, and dredging offsetting plan.	• Cenovus offered in follow-up email communication to present to other members of band; also offered to travel to Conne River for in-person meetings. • Requested MFN's consultation protocol.
FLC Fisher Representatives	29-May-24	Discussed the potential for minor maintenance dredging in spring of 2025. Outlined the need for information regarding this potential to be documented and posted in local paper etc. Cenovus wanted to be clear and transparent regarding the potential for the additional minor clean up dredging.	• Members acknowledged the update and confirmed they had no further concerns regarding this issue.
Placentia Bay Traffic Committee	11-June-24	General project update with specific emphasis on Argentia Harbour/Placentia Bay marine activities in 2024, particularly dredging.	• N/A
FLC Fisher Representatives	24-June-24	Notification of timing and dates for debris removal campaign, as well as names of vessels.	• N/A
Call with FLC Fishers Rep	2-July-24	Discussion regarding fishery compensation payment schedule	• NA
Calls with FFAW Reps	12-Aug-24	Discussion regarding path forward re: potential compensation for dredging	• NA
Fishers Liaison Committee	22-Aug-24	Discussion on potential project impacts / harvesters compensation program for the 2024 work scope	• FFAW / Harvesters to develop a proposal • Info session for 3PS harvesters for 2025 project in December
Fishers Liaison Committee	17-Oct-24	Project update + specific discussion of logistics and compensation program for dredging campaign	• Once compensation program finalized, committed to update mtgs with 3PS harvesters and 3L crab committee chairs

Table 4.1 Summary of Engagement with Commercial Fishers and One Ocean

Group	Date	Purpose	Commitments / Outcomes
Consultation with local Fish Plant Operator-Ship Harbour	31 Oct-24	Discussion regarding potential effects of dredging on local fish supply	• NA
3PS Harvesters	9-Dec-24	Project update + feedback from harvesters about compensation program	• Some harvesters dissatisfied with some harvesters receiving compensation automatically while others having to demonstrate loss
3L Crab Committee Chairs	16-Dec-24	Project overview + specific details about offshore tow route/timing. Discussion regarding what harvesters require in advance, Fishing Liaison Officers and Guide Vessels.	• work with FFAW as soon as possible to get details out re. Fisheries Liaison Officers and guide vessel requirements. Need to chart direction and timing of tow for early in New Year, for crab committee meetings.
FLC Meeting	10-Jan-25	Discussion re. next steps for Fishers' Liaison Committee ahead of 2025 marine activities. Updates on dredging compensation program	• Plan next FLC mtg for Jan 30-31. FFAW to send Cenovus requirements for Fisheries Liaison Officers and Guide Vessels. Cenovus needs to provide routes, duration, etc. details to FFAW
Placentia Bay Traffic Committee Meeting	14-Jan-25	Update on 2025 Marine scopes (particularly inshore tow and ballast operations).	• Committed to presenting in June
OneOcean	16-Jan-25	Update on 2025 Marine scopes (particularly inshore tow and ballast operations).	• N/A
Cenovus Fisheries Liaison, One Oceans Rep, FFAW industry Rep	Monthly	To provide project update between Cenovus, FFAW and industry liaison OneOcean outside of the regular quarterly FLC meeting	• Discussion wrt project progress and schedule on a monthly bases.

4.3 Regulatory Agencies

Cenovus has met with the C-NLOPB and various federal and provincial regulators.



4.3.1 C-NLOPB

The C-NLOPB authorizes offshore area activities for the WWRP. Cenovus plans to execute the following activities in 2025 requiring C-NLOPB authorization:

- CGS tow out and installation
- Marine rock installation
- Subsea construction
- Topsides transport and installation
- Topsides hookup, commissioning and use of an ASV

Cenovus meets with the C-NLOPB on a monthly basis to provide updates as it relates to these scopes and holds ad-hoc meetings to address concerns related to individual programs.

Fisheries and Oceans Canada

DFO regulates both nearshore and offshore components of the Project and will be assessing the work scopes with respect to the impact on Fish and Fish Habitat. Cenovus has the following project activities planned and under assessment with DFO for 2025:

- CGS inshore tow and ballasting (Placentia Bay)
- Fish and fish habitat offsetting program (Placentia Bay)
- Marine rock installation – Scour protection / Flowline protection (offshore area)

The following activities are still in progress with DFO.

- Inner channel / outer channel / exit channel dredging and bundwall removal (Placentia Bay)

Cenovus meets with DFO on a bi-weekly basis to provide updates as it relates to these scopes and holds ad-hoc meetings to address concerns related to individual programs.

4.3.2 Environment and Climate Change Canada

ECCC issued the Disposal at Sea Permit required for the disposal of dredge materials in Placentia Sound. Activities related to this permit continue to be monitored until the completion of the dredging program in 2025. No additional disposal activities are planned for the project in 2025 when dredging is completed.

Future engagement with ECCC are expected in relation to follow up monitoring commitments.

4.3.3 Transport Canada

Cenovus is engaged with Transport Canada with respect to the Navigation Protection Program. Cenovus will be seeking approval for works that will be occurring within Placentia Bay navigable waters and has the following project activities under assessment with Transport Canada for 2025:

- CGS inshore tow and ballasting (Placentia Bay)

A list of engagement with Transport Canada is provided in Table 4.2.

Table 4.2 Summary of Engagement with Transport Canada

Group	Date	Purpose	Commitments / Outcomes
Transport Canada	28-Oct-2024	Mee w/ Transport Canada ports to discuss ballasting operations application in Placentia Bay	• Confirmed existing EA validity for this operation

4.4 Newfoundland and Labrador Department of Environment and Climate Change

NLDECC regulates construction of the CGS in Argentia including the work scopes impacting industrial compliance through the Pollution Prevention Division (PPD), and the effect on freshwater and marine through the Water Resources Management Division (WRMD). Cenovus has the following Project activities under assessment with NLDECC for 2025:

- Construction of the CGS at the Argentia graving dock
- Removal of the bundwall and dredging of the exit channel
- Infilling of “The Pond”.

A summary of some of the key engagements of 2024-2025 are provided in Table 4.3.

Table 4.3 Summary of Engagement with NLDECC

Group	Date	Purpose	Commitments / Outcomes
NLDECC – Pollution Prevention Division	24 April 2024	Argentia Site Closure Plan and Compliance Agreement	• Discussed items remaining for the Port of Argentia and site closure following float out of the CGS.
NLDECC – Pollution Prevention Division	4 June 2024	Presentation of Dredging scope to PPD.	• Reviewed scope of dredging program, specifically the exit channel and infilling of The Pond and discharge requirements.
NLDECC – Water Resources Management Division	26 July 2024	Presentation of Dredging scope to WRMD.	• Reviewed scope of dredging program, specifically the exit channel and infilling of the Pond.

5 References

5.1 Personal Communications

C. Smith, Economist – Economics, Statistics and Data Governance. Fisheries and Oceans Canada, St. John's, NL.

J. Pantin, Aquatic Science Biologist – Shellfish, Newfoundland and Labrador Region, Fisheries and Oceans Canada, St. John's, NL

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Appendices

Appendix A Species in the 2025 Study Area

Table A.1 Species at Risk in the 2025 Study Area

Family	Species		Federal		Provincial	Updates since 2024 EA Update
	Common Name	Scientific Name	SARA Status (Schedule 1)[1]	COSEWIC Designation	Designation	
Marine Fish						
Anarhichadidae	Atlantic wolffish	*Anarhichas lupus*	Special Concern[2]	Special Concern	Not listed	No change
Anarhichadidae	Northern wolffish	*Anarhichas denticulatus*	Threatened[2]	Threatened	Not listed	No change
Anarhichadidae	Spotted wolffish	*Anarhichas minor*	Threatened[2]	Threatened	Not listed	No change
Anguillidae	American eel	*Anguilla rostrata*	Not listed	Threatened	Vulnerable	No change
Cetorhinidae	Basking shark (Atlantic population)	*Cetorhinus maximus*	Not listed	Special Concern	Not listed	No change
Cyclopteridae	Lumpfish	*Cyclopterus lumpus*	Not listed	Threatened	Not listed	No change
Gadidae	Atlantic cod (Newfoundland and Labrador population)	*Gadus morhua*	Not listed	Endangered	Not listed	No change
Gadidae	Atlantic cod (Southern population)	*Gadus morhua*	Not listed	Endangered	Not listed	No change
Gadidae	Cusk	*Brosme brosme*	Not listed	Endangered	Not listed	No change
Lamnidae	Porbeagle	*Lamna nasus*	Not listed	Endangered	Not listed	No change
Lamnidae	Shortfin mako (Atlantic population)	*Isurus oxyrinchus*	Not listed	Endangered	Not listed	No change
Lamnidae	White shark (Atlantic population)	*Carcharodon carcharias*	Endangered[3]	Endangered	Not listed	No change
Macrouridae	Roundnose grenadier	*Coryphaenoides rupestris*	Not listed	Endangered	Not listed	No change
Phycidae	White hake (Atlantic and Northern Gulf of St. Lawrence population)	*Urophycis tenuis*	Not listed	Threatened	Not listed	No change
Pleuronectidae	American plaice (Maritimes population)	*Hippoglossoides platessoides*	Not listed	Threatened	Not listed	No change

Table A.1 Species at Risk in the 2025 Study Area

Family	Species		Federal		Provincial	Updates since 2024 EA Update
	Common Name	Scientific Name	SARA Status (Schedule 1)[1]	COSEWIC Designation	Designation	
Pleuronectidae	American plaice (Newfoundland and Labrador population)	*Hippoglossoides platessoides*	Not listed	Threatened	Not listed	No change
Rajidae	Smooth skate (Funk Island Deep population)	*Malacoraja senta*	Not listed	Endangered	Not listed	No change
Rajidae	Thorny skate	*Amblyraja radiata*	Not listed	Special Concern	Not listed	No change
Rajidae	Winter skate (Eastern Scotian Shelf and Newfoundland population)	*Leucoraja ocellata*	Not listed	Endangered	Not listed	No change
Salmonidae	Atlantic salmon (Outer Bay of Fundy population)	*Salmo salar*	Not listed	Endangered	Not listed	No change
Salmonidae	Atlantic salmon (South Newfoundland population)	*Salmo salar*	Not listed	Threatened	Not listed	No change
Scombridae	Atlantic bluefin tuna	*Thunnus thynnus*	Not listed	Endangered	Not listed	No change
Scorpaenidae	Acadian redfish (Atlantic population)	*Sebastes fasciatus*	Not listed	Threatened	Not listed	No change
Scorpaenidae	Deepwater redfish (Northern population)	*Sebastes mentella*	Not listed	Threatened	Not listed	No change
Squalidae	Spiny dogfish (Atlantic population)	*Squalus acanthias*	Not listed	Special Concern	Not listed	No change

Table A.1 Species at Risk in the 2025 Study Area

Family	Species		Federal		Provincial	Updates since 2024 EA Update
	Common Name	Scientific Name	SARA Status (Schedule 1)[1]	COSEWIC Designation	Designation	
Marine Birds						
Anatidae	Harlequin Duck (Eastern population)	*Histrionicus histrionicus*	Special Concern[4,5]	Special Concern	Vulnerable	No change
Charadriidae	Piping Plover *melodus* subspecies	*Charadrius melodus melodus*	Endangered[5,6]	Endangered	Endangered	No change
Charadriidae	Red Knot *rufa* subspecies (Tierra del Fuego / Patagonia wintering population)	*Calidris canutus rufa*	Endangered[5,7]	Endangered	Endangered	No change
Charadriidae	Red Knot *rufa* subspecies (Northeastern South America wintering population)	*Calidris canutus rufa*	Not listed	Special Concern	Endangered	No change
Charadriidae	Red Knot *rufa* subspecies (Southeastern USA / Gulf of Mexico / Caribbean wintering population)	*Calidris canutus rufa*	Not listed	Endangered	Endangered	No change
Hydrobatidae	Leach's Storm-Petrel (Atlantic population)	*Oceanodroma leucorhoa*	Not listed	Threatened	Not listed	No change
Laridae	Ivory Gull	*Pagophila eburnea*	Endangered[8]	Endangered	Endangered	No change
Scolopacidae	Red-necked Phalarope	*Phalaropus lobatus*	Special Concern[9]	Special Concern	Not listed	No change
Marine Mammals and Sea Turtles						
Balaenidae	North Atlantic right whale	*Eubalaena glacialis*	Endangered[10,11]	Endangered	Not listed	No change
Balaenopteridae	Blue whale (Atlantic population)	*Balaenoptera musculus*	Endangered[12,13]	Endangered	Not listed	No change
Balaenopteridae	Fin whale (Atlantic population)	*Balaenoptera physalus*	Special Concern[14]	Special Concern	Not listed	No change

Table A.1 Species at Risk in the 2025 Study Area

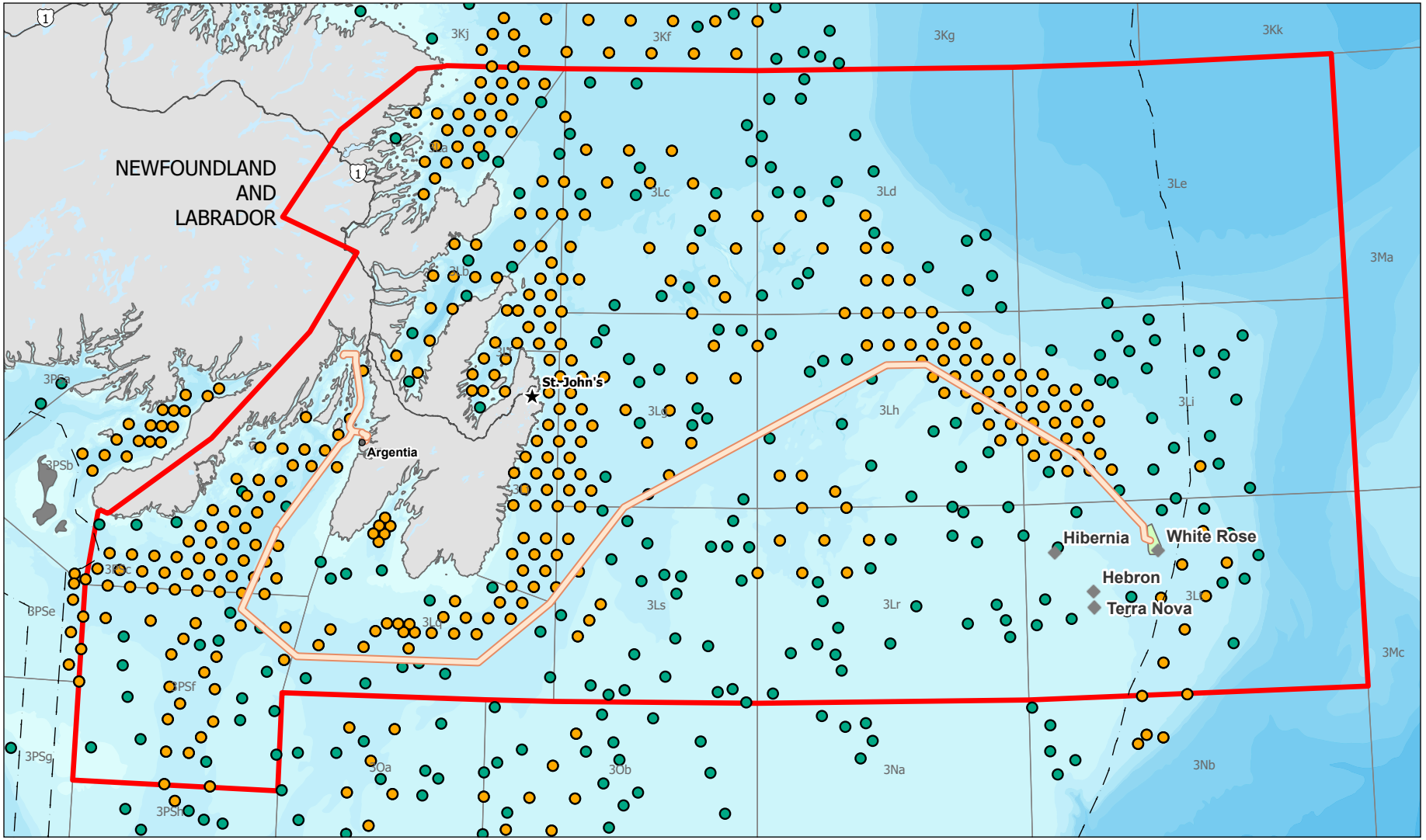
Family	Species		Federal		Provincial	Updates since 2024 EA Update
	Common Name	Scientific Name	SARA Status (Schedule 1)[1]	COSEWIC Designation	Designation	
Delphinidae	Killer whale (Northwest Atlantic / Eastern Arctic populations)	*Orcinus orca*	Not listed	Special Concern	Not listed	No change
Monodontidae	Beluga whale (Eastern Hudson Bay population)	*Delphinapterus leucas*	Not listed	Threatened	Not listed	No change
Phocoenidae	Harbour porpoise (Northwest Atlantic population) [Threatened – SARA Schedule 2]	*Phocoena phocoena*	Not listed	Special Concern	Not listed	No change
Ziphiidae	Northern bottlenose whale (Scotian Shelf population)	*Hyperoodon ampullatus*	Endangered[15,16]	Endangered	Not listed	No change
Ziphiidae	Northern bottlenose whale (Davis Strait Baffin Bay, Labrador Sea population)	*Hyperoodon ampullatus*	Not listed	Special Concern	Not listed	No change
Ziphiidae	Sowerby's beaked whale	*Mesoplodon bidens*	Special Concern[17]	Special Concern	Not listed	No change
Cheloniidae	Loggerhead sea turtle	*Caretta caretta*	Endangered[18]	Endangered	Not listed	No change
Dermochelyidae	Leatherback sea turtle (Atlantic population)	*Dermochelys coriacea*	Endangered[19,20]	Endangered	Not listed	No change

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Appendix B Industry DFO Collaborative Trap Survey Locations



Notes
1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc., North American Fisheries Organization, Department of Fisheries and Oceans Canada
3. Background: CanVec, GovNL

Stantec

Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by acuff on 1/30/2025

Client/Project
Cenovus Energy Inc.
White Rose Extension Project
2025 Environmental Assessment Update

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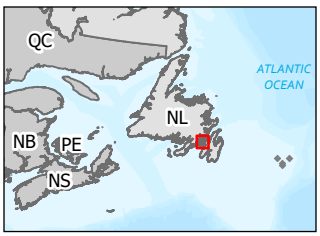
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B.1

Title
2024 Post-Season Crab Survey Locations in the 2025 Study Area

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Notes
1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.
3. Background: CanVec, GovNL

- Post Season Crab Survey Locations (2024)
- Post Season Crab Survey Locations (Core)
- Placentia Sound Disposal Site
- Dredge Areas
- Reef Ball Locations
- Tow Route
- CGS Inshore Ballasting Site
- NAFO Unit

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Stantec

Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by acuff on 1/30/2025

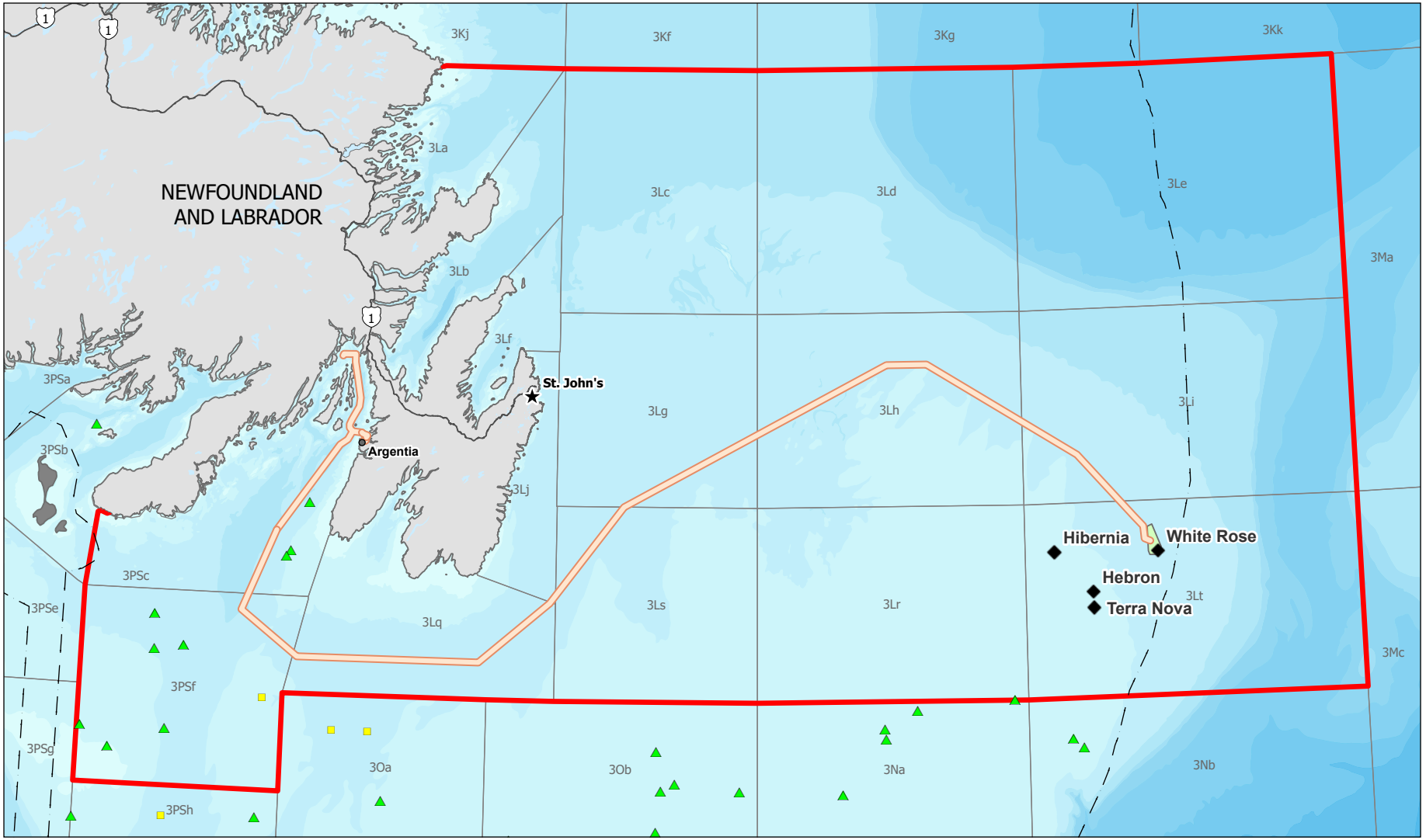
Client/Project
121418420_008
Cenovus Energy Inc.
White Rose Extension Project
2025 Environmental Assessment Update

Figure No.
B.2

Title
2024 Post-season Crab Survey Locations in Inner Placentia Bay

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Notes
1. Coordinate System: NAD 1983 CSRS UTM Zone 22N
2. Data Sources: Cenovus Energy Inc.
3. Background: CanVec, GovNL, DFO 2022 (Department of Oceans and Fisheries Canada 2022)

Stantec

Project Location
Placentia Bay and White Rose Field
Newfoundland

Prepared by schubbs on 4/11/2024

Client/Project
Cenovus Energy Inc.
White Rose Extension Project
2024 Environmental Assessment Update

121418035_011

Figure No.
B.3

Title
2022 Halibut Long-line Survey Locations Within and Near the 2025 Study Area

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