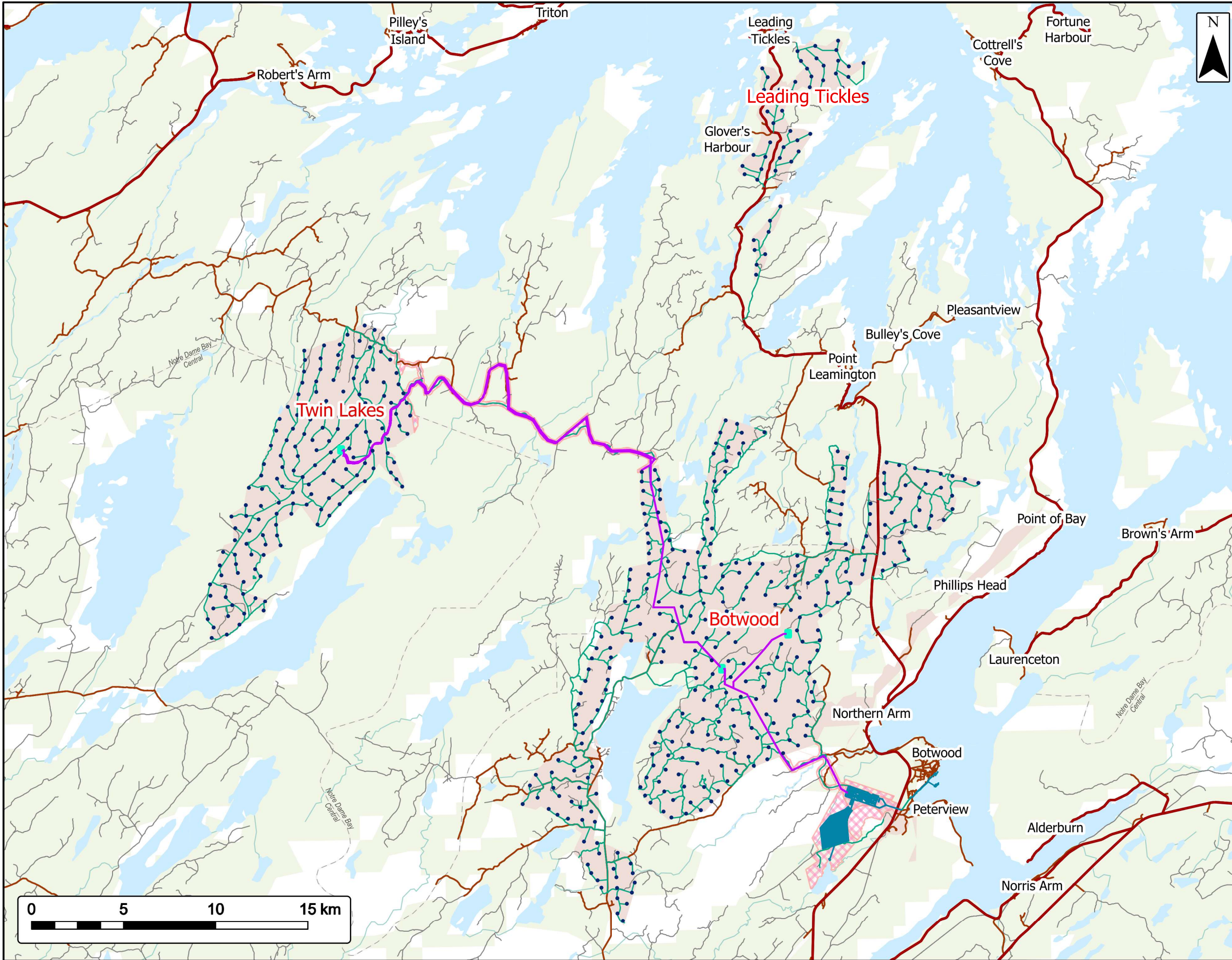


APPENDIX A

DRAWINGS



Site Plan Overview

All Areas

EVREC Green Energy Hub

Renewable & Electrical

Turbines

230 kV Transmission Lines

Substation

Solar Farm & Industrial

Solar Farm & Industrial Facility

Project Roads

Project Roads

Public Roads

Primary Roads

Secondary Roads

Resource Roads

Project Area

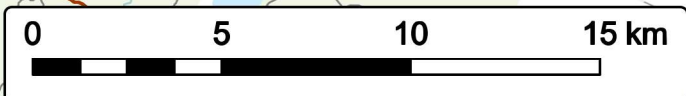
Application for Crown Title (Ongoing) EVREC

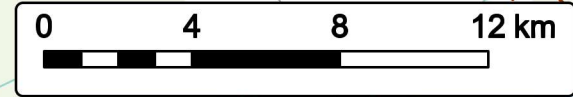
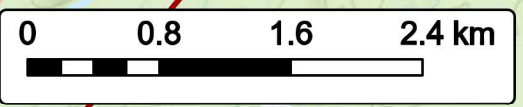
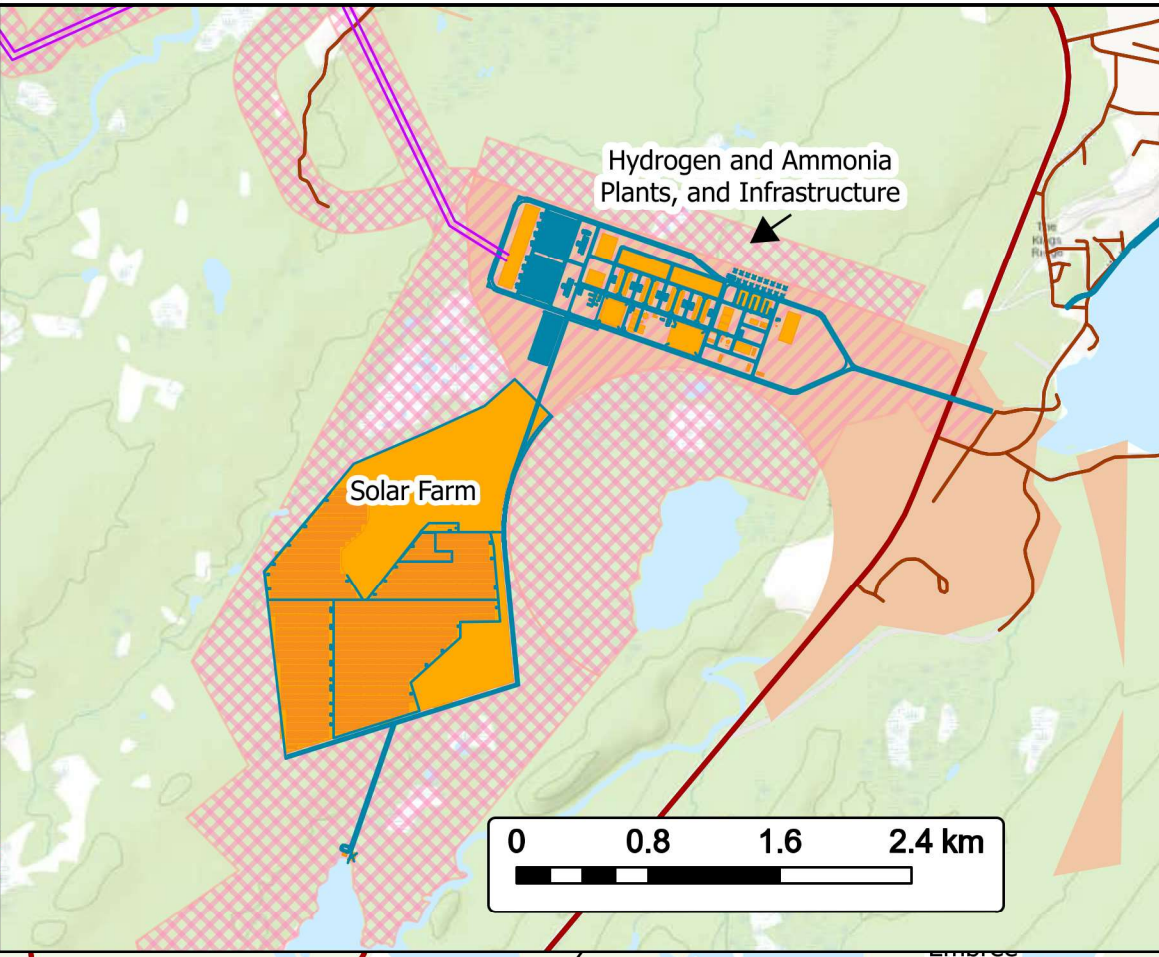
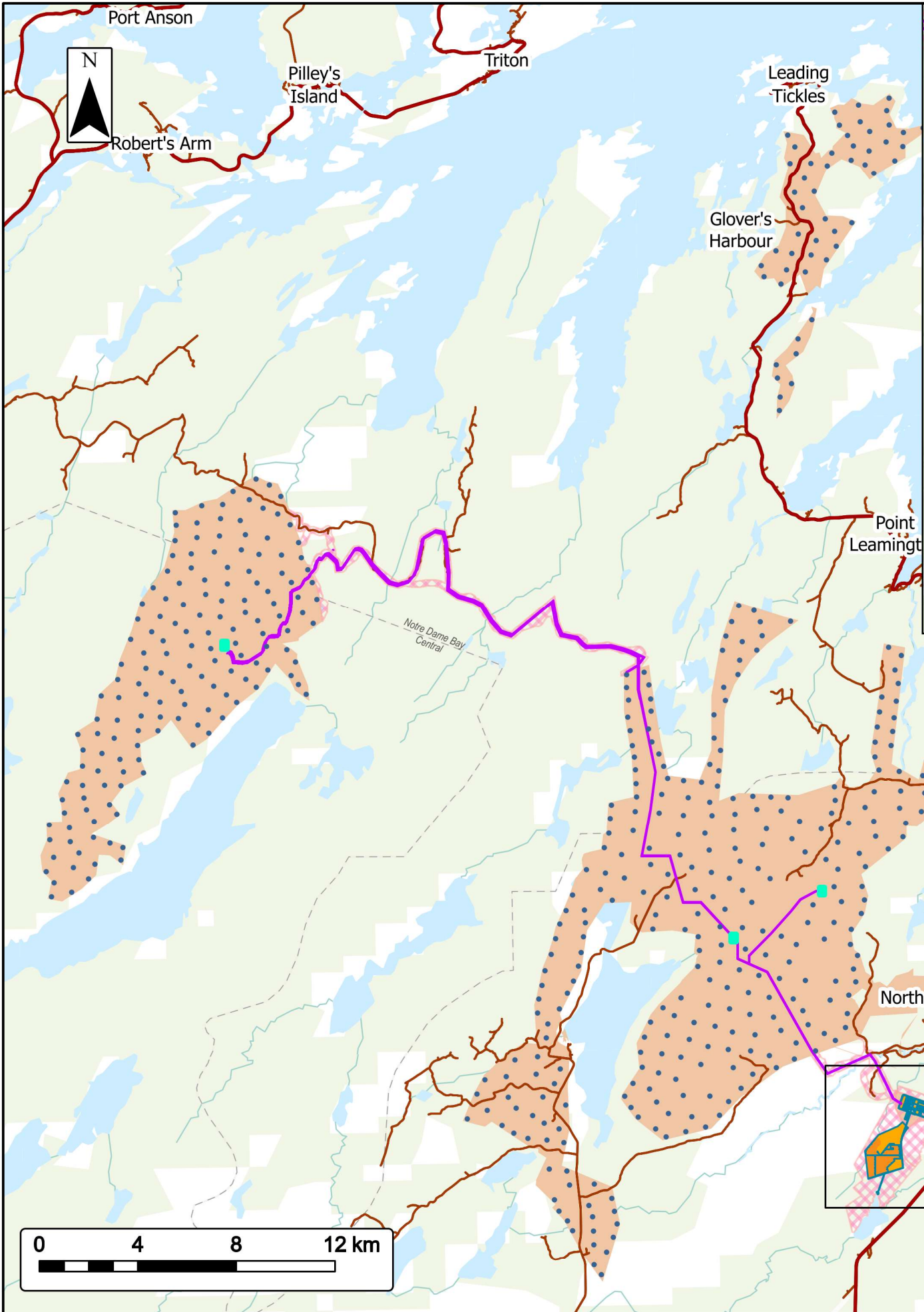
Wind Energy Reserve Area



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: ESRI Basemaps, GeoNOVA, NSTD, HERE, Garmin, USGS, NRCan, NFLD Gov. Depts

Date:	Sept. 2024	Project #:	24-10265
Scale:	1:200,000	Drawing #:	1.1
Drawn By:	B. Spencer		
Checked By:	N. Thomas		



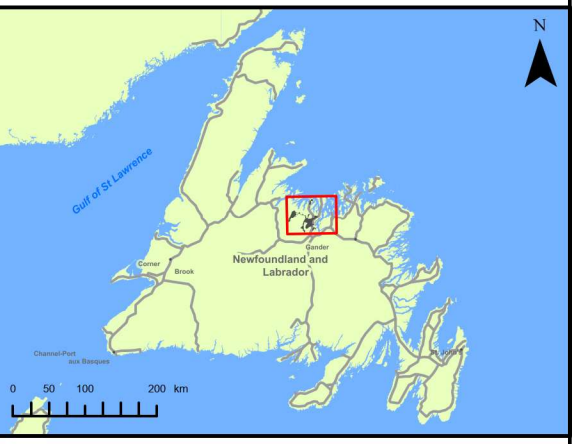


Facility Layout

Hydrogen and Ammonia Plant, Solar Farm, and Industrial Infrastructure

EVREC Green Energy Hub

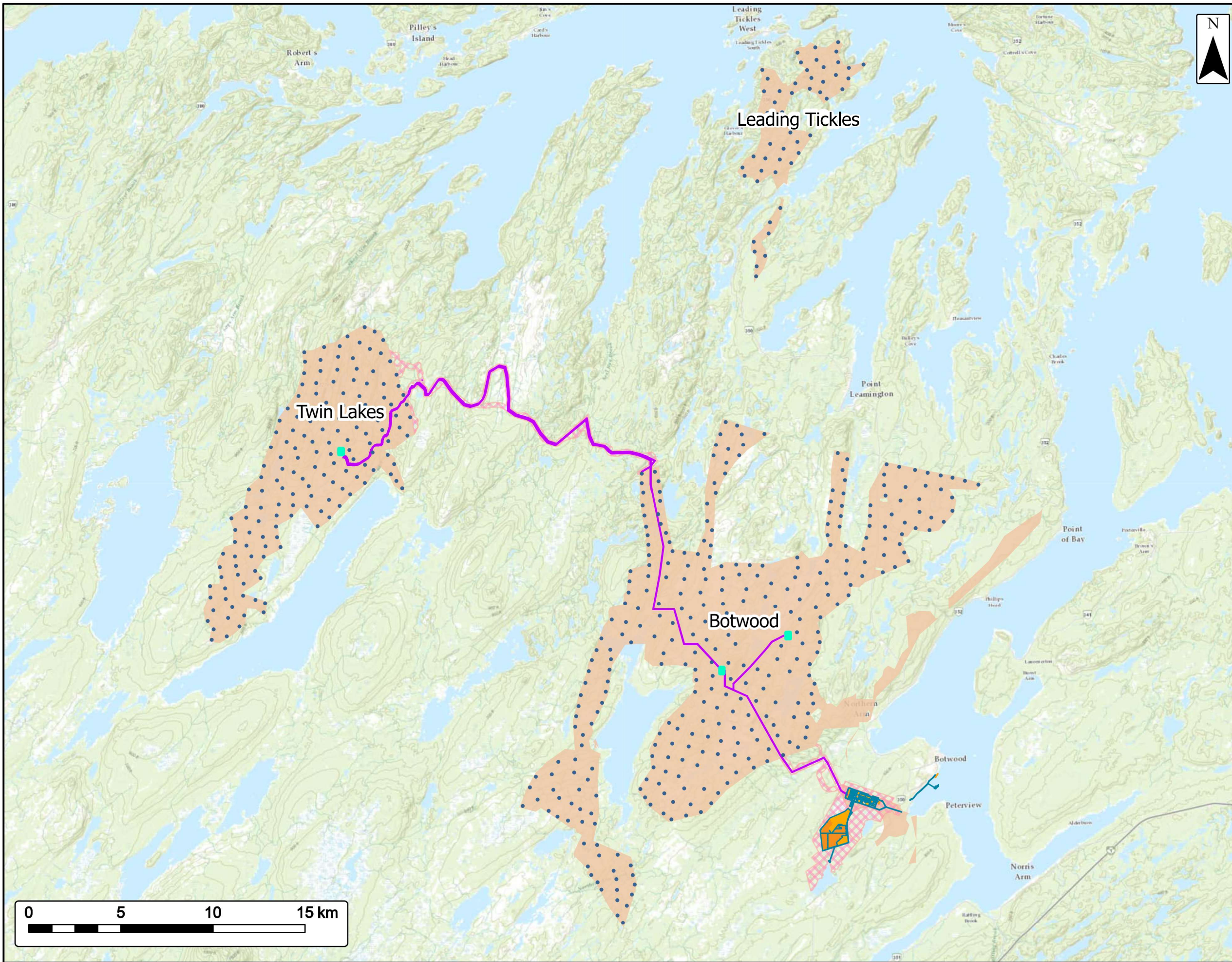
- Renewable & Electrical**
- Turbines
 - Substation
 - 230 kV Transmission Lines
- Solar Farm & Industrial Facility**
- Solar Farm & Industrial Facility Footprint Plan
 - Solar Farm & Industrial Facility Footprint
- Public Roads**
- Primary Roads
 - Secondary Roads
- Project Area**
- Application for Crown Title (Ongoing)
 - EVREC Wind Energy Reserve Area



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: ESRI Basemaps, GeoNOVA, NSTD, HERE, Garmin, USGS, NRCAN, NFLD Gov. Depts

Date: Sept. 2024	Project #: 24-10265
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Checked By: N. Thomas	



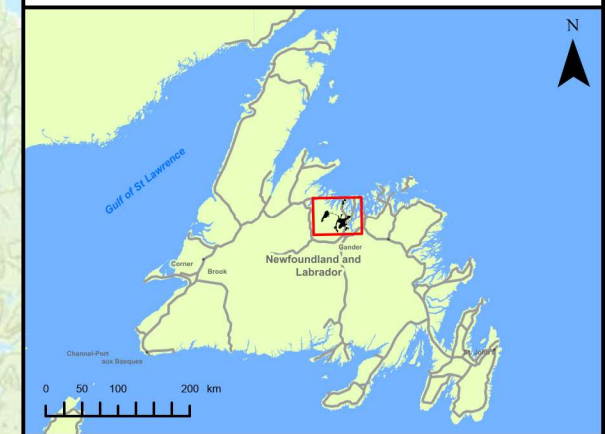


Transmission Route

Project Area

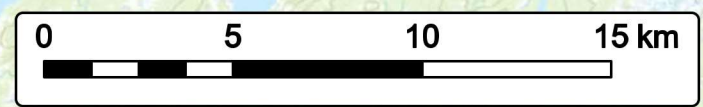
EVREC Green Energy Hub

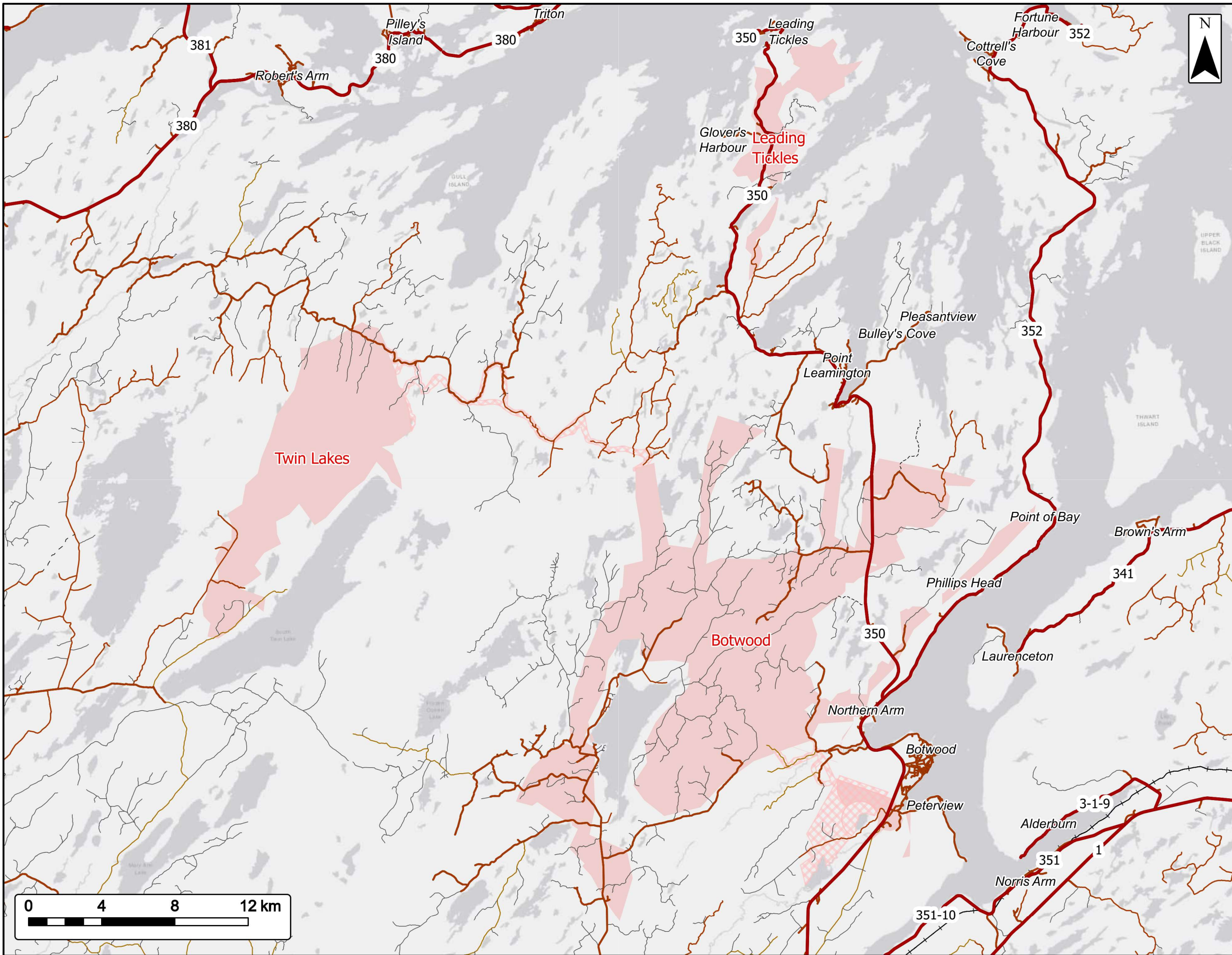
- Turbines ●
- Solar Farm & Industrial Facility Footprint Plan —
- 230 kV Transmission Lines —
- Substation ■
- Solar Farm & Industrial Facility Footprint ■
- Application for Crown Title (Ongoing) ■
- EVREC Wind Energy Reserve Area ■



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: ESRI Basemaps, GeoNOVA, NSTD, HERE, Garmin, USGS, NRCan, NFLD Gov. Depts

Date: Sept. 2024	Project #: 24-10265
Scale: 1:200,000	2.2
Drawn By: B. Spencer	
Checked By: N. Thomas	





Existing Road Network

Project Area

EVREC Green Energy Hub

Public Roads

- Primary Roads
- Secondary Roads

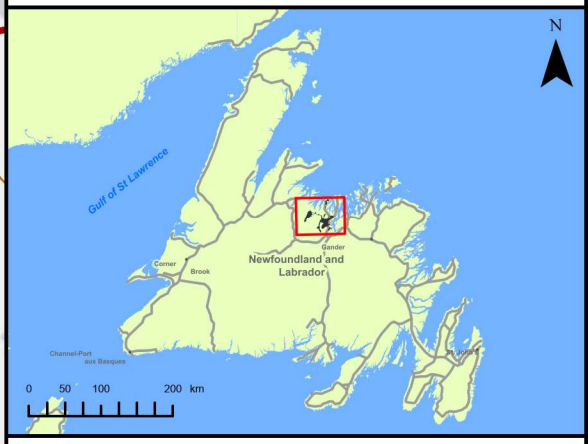
Resource Roads

- Open
- Limited
- ATV
- Not Passable
- Railway
- Unknown Condition

Project Area

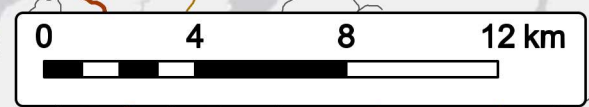
- Crown Land Application Areas (Ongoing)
- EVREC Wind Energy Reserve Area

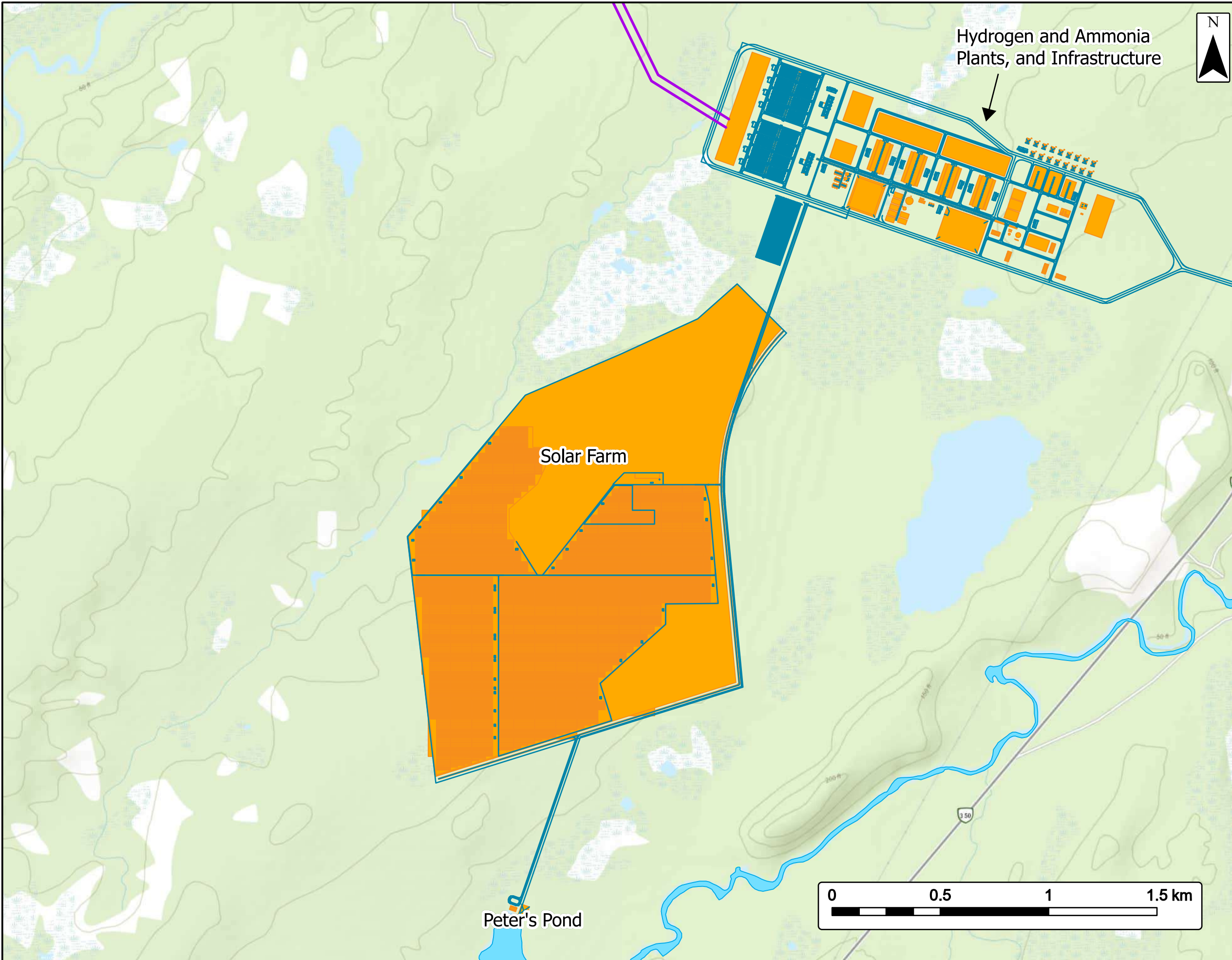
*Data gathered from the Government of Newfoundland and Labrador - Department of Fisheries, Forestry and Agriculture.



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: Esri, HERE, Garmin, USGS, NRCAN, NFLD Gov. Depts

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Drawn By:	B. Spencer		
Checked By:	N. Thomas		

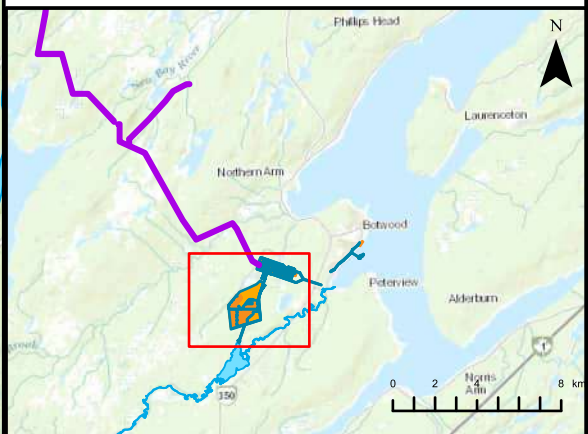




Solar Farm and Surroundings
Industrial Facility

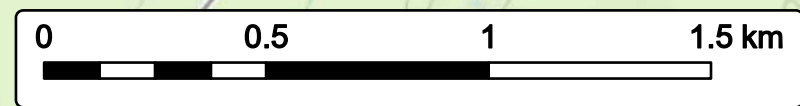
EVREC Green Energy Hub

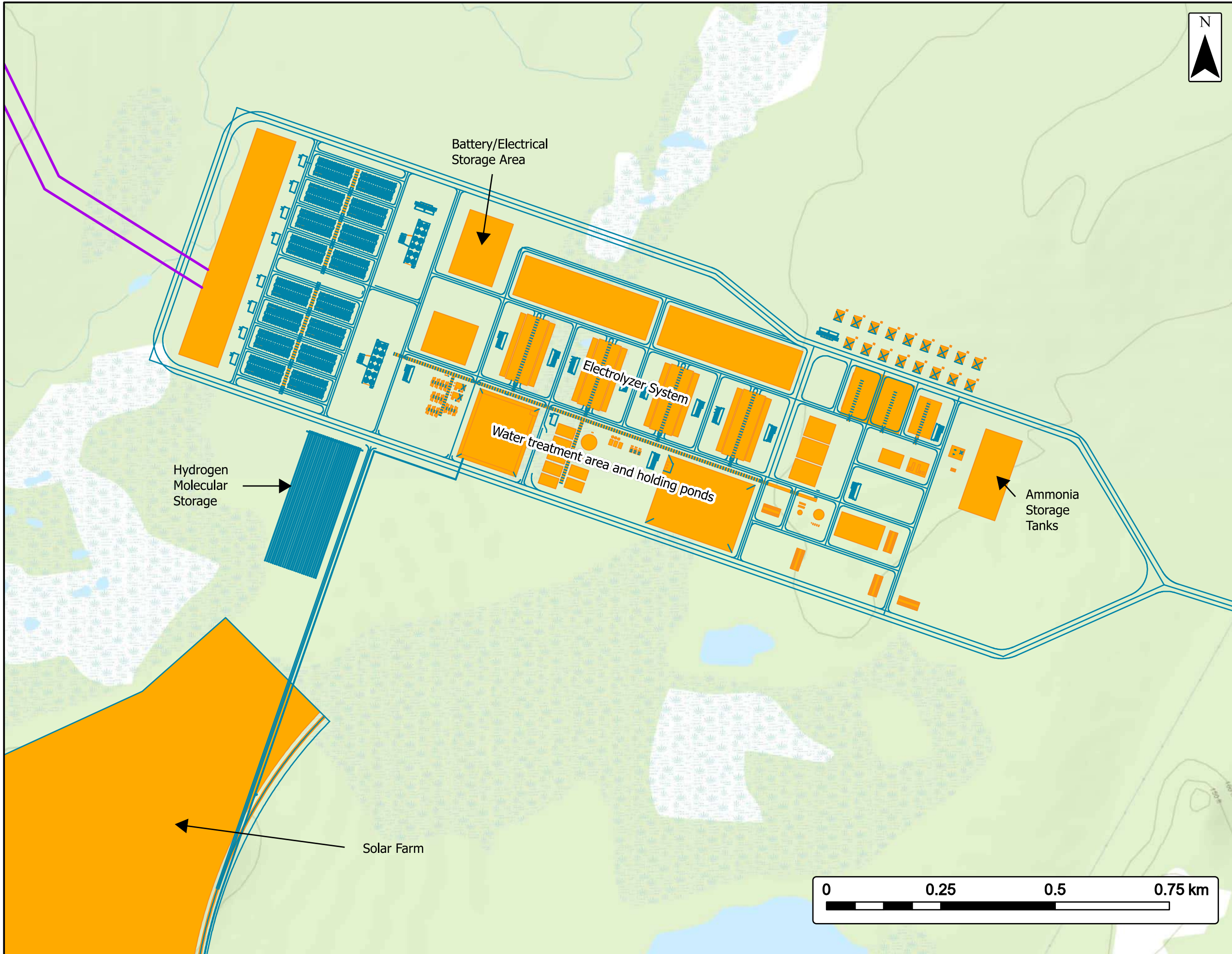
- 230 kV Transmission Line —
- Solar Farm & Industrial Facility Footprint Plan —
- Peter's Pond —
- Solar Farm & Industrial Facility Footprint —



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: ESRI Basemaps, GeoNOVA, NSTD, HERE, Garmin, USGS, NRCan, NFDL Gov. Depts

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Checked By: N. Thomas	

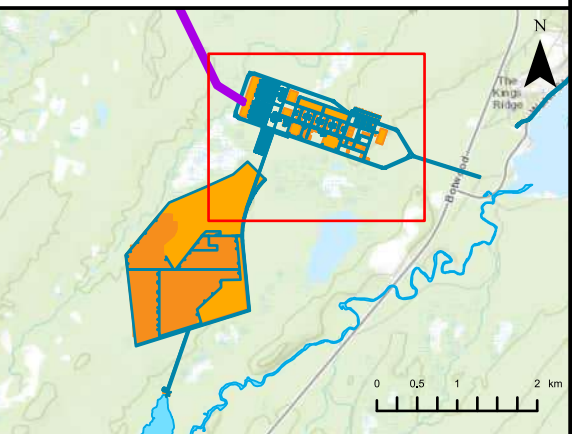




Hydrogen and Ammonia Plants And Infrastructure

EVREC Green Energy Hub

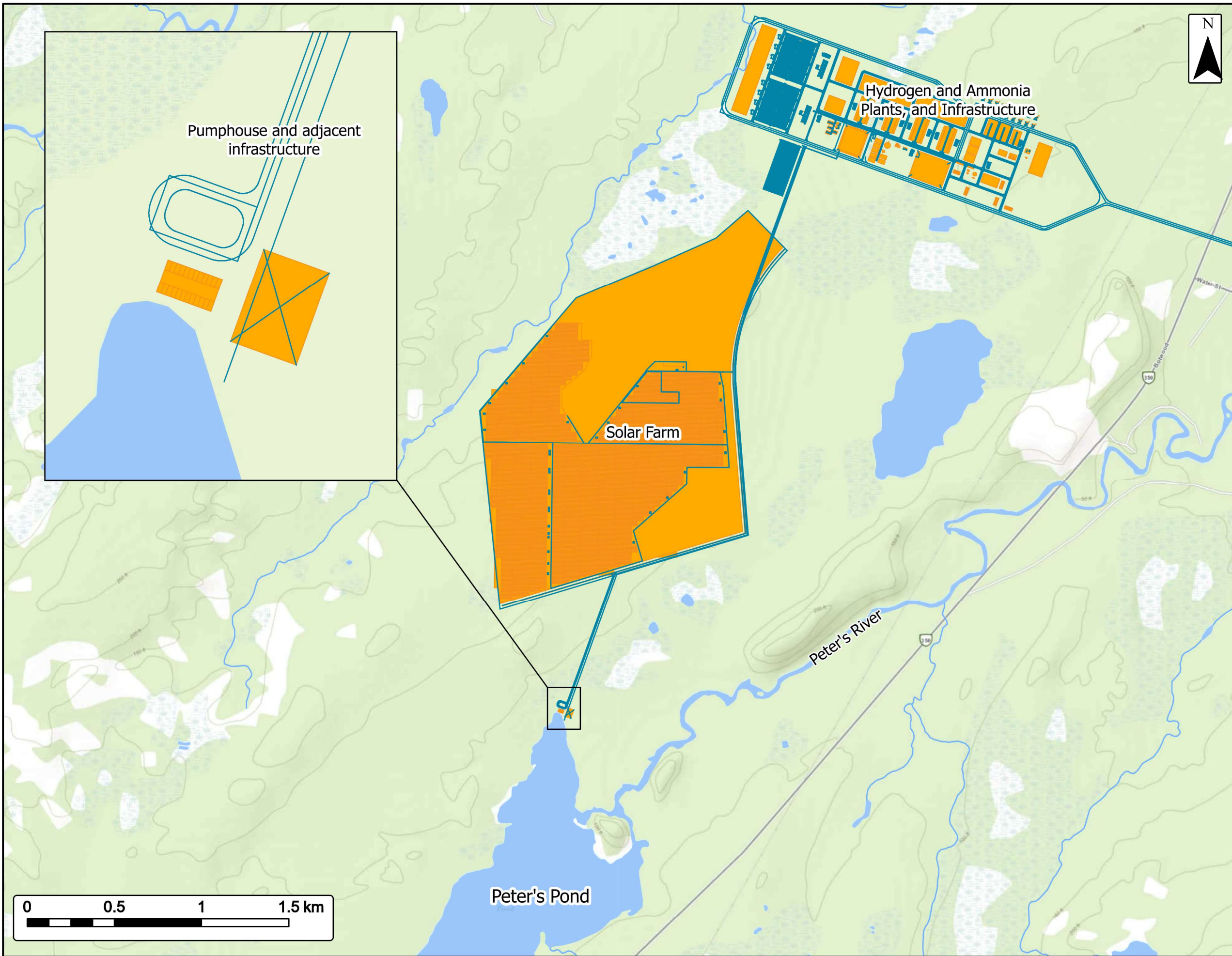
- 230 kV Transmission Line —
- Solar Farm & Industrial Facility Footprint Plan —
- Solar Farm & Industrial Facility Footprint —



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: ESRI Basemaps, GeoNOVA, NSTD, HERE, Garmin, USGS, NRCan, NFLD Gov, Depts

Date:	Sept. 2024	Project #:	24-10265
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Drawn By:	B. Spencer		
Checked By:	N. Thomas		





Waterways

Industrial Facility Area

EVREC Green Energy Hub

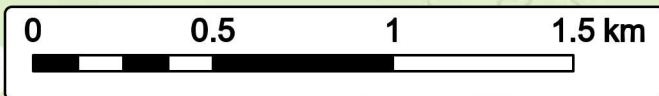
Solar Farm & Industrial Facility Footprint Plan

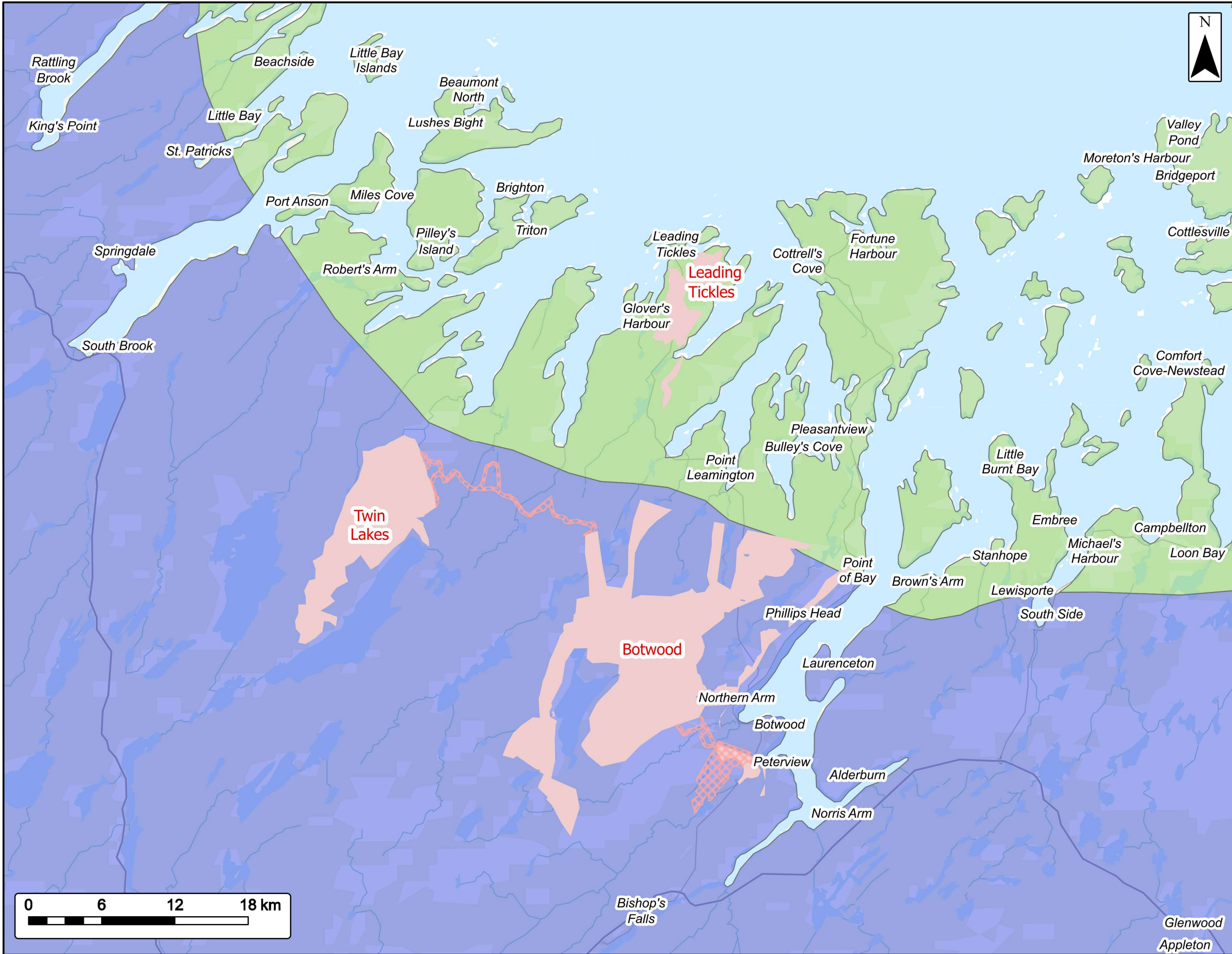
Solar Farm & Industrial Facility Footprint



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: ESRI Basemaps, GeoNOVA, NSTD, HERE, Garmin, USGS, NRCan, NFLD Gov. Depts, Gov of Can, CanVec

Date:	Sept. 2024	Project #:	24-10265
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Drawn By:	B. Spencer		
Checked By:	N. Thomas		



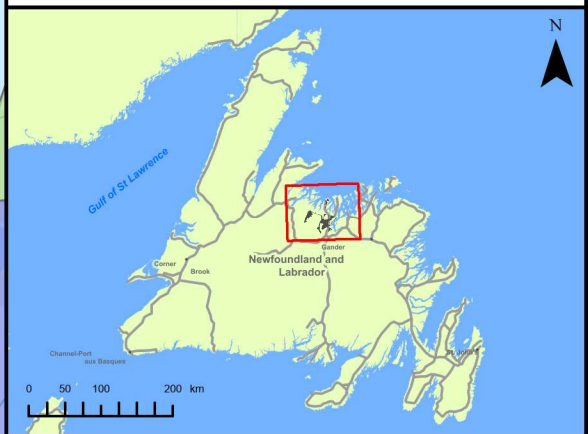


Ecoregions

Project Area

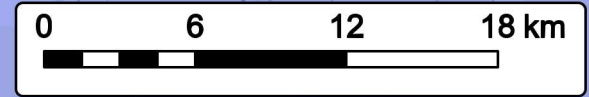
EVREC Green Energy Hub

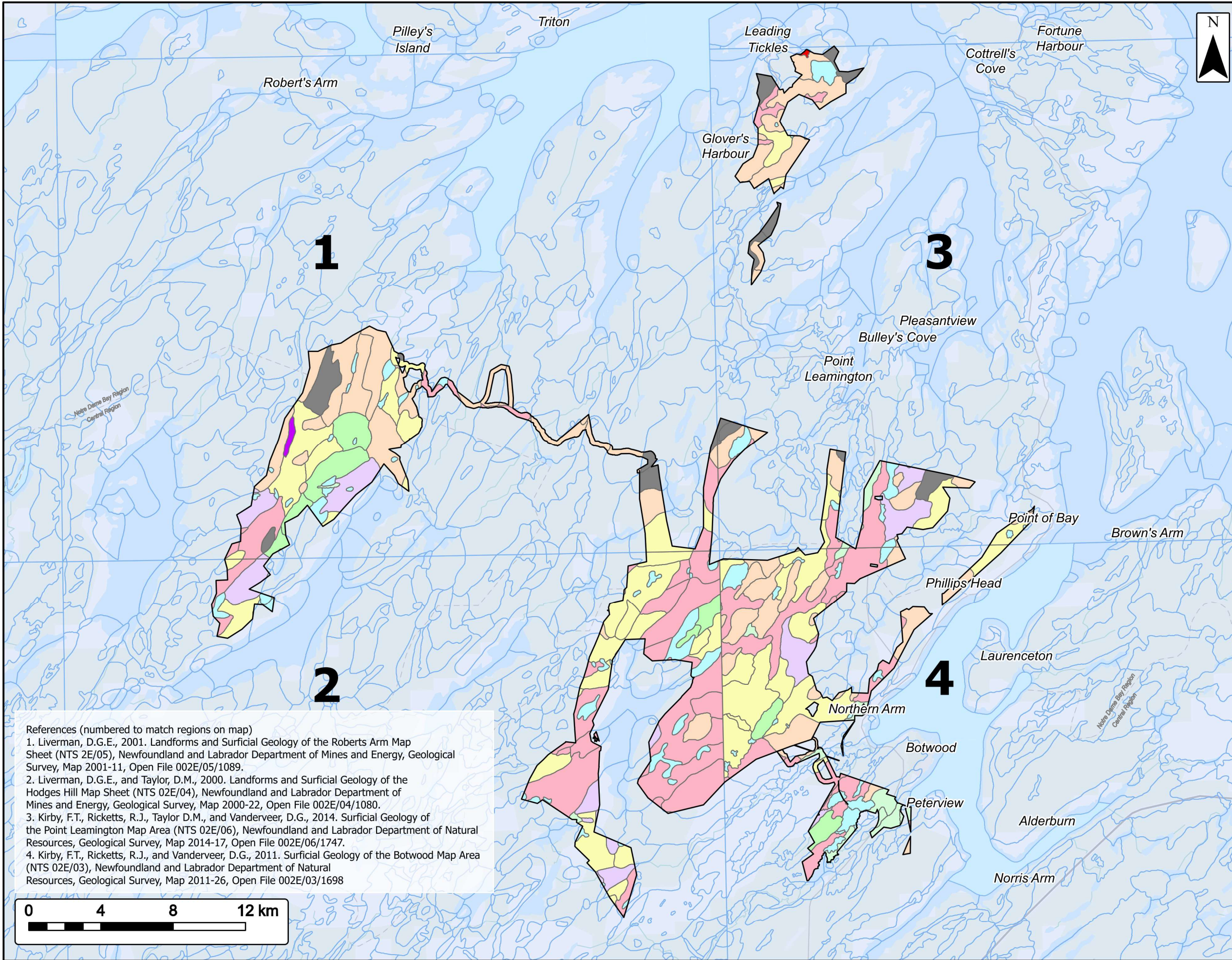
- Crown Land Application Areas (Ongoing)**
- EVREC Wind Energy Reserve Area**
- Central Newfoundland Ecoregion**
- North Shore Forest Ecoregion**



Coordinate System: NAD83 (CSRS) UTM Zone 21N
 Sources: Esri Canada, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, NRCan, Parks Canada, NFLD Gov. Depts.

Date: Sept. 2024	Project #: 24-10265
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Drawn By: B. Spencer	
Checked By: N. Thomas	



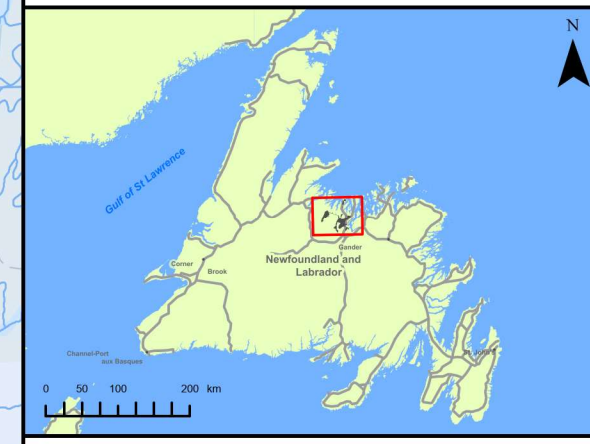


Surficial Geology

Project Area

EVREC Green Energy Hub

Project Area	
Glacial	
Till Veneer	
Till Plains or Channels/Gullies	
Linedated Till	
Hummocky Till	
Bedrock	
Concealed by Vegetation	
Exposed	
Other	
Organics	
Marine	
Glaciofluvial	
Fluvial	



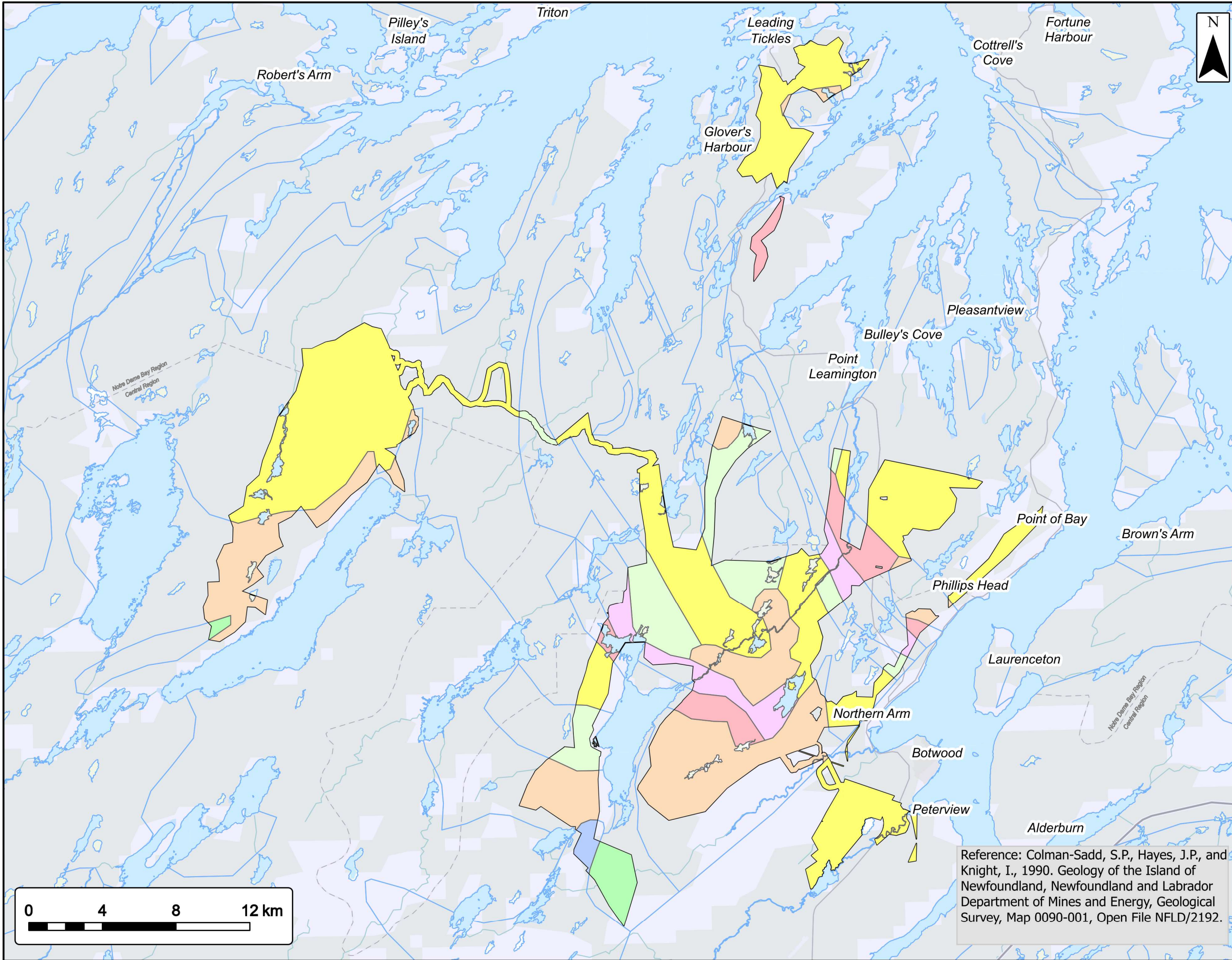
References (numbered to match regions on map)

1. Liverman, D.G.E., 2001. Landforms and Surficial Geology of the Roberts Arm Map Sheet (NTS 2E/05), Newfoundland and Labrador Department of Mines and Energy, Geological Survey, Map 2001-11, Open File 002E/05/1089.
2. Liverman, D.G.E., and Taylor, D.M., 2000. Landforms and Surficial Geology of the Hodges Hill Map Sheet (NTS 02E/04), Newfoundland and Labrador Department of Mines and Energy, Geological Survey, Map 2000-22, Open File 002E/04/1080.
3. Kirby, F.T., Ricketts, R.J., Taylor D.M., and Vanderveer, D.G., 2014. Surficial Geology of the Point Leamington Map Area (NTS 02E/06), Newfoundland and Labrador Department of Natural Resources, Geological Survey, Map 2014-17, Open File 002E/06/1747.
4. Kirby, F.T., Ricketts, R.J., and Vanderveer, D.G., 2011. Surficial Geology of the Botwood Map Area (NTS 02E/03), Newfoundland and Labrador Department of Natural Resources, Geological Survey, Map 2011-26, Open File 002E/03/1698

Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: ESRI Basemaps, GeoNOVA, NSTD, HERE, Garmin, USGS, NRCan, NFLD Gov. Depts

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Drawn By:	B. Spencer		
Checked By:	N. Thomas		



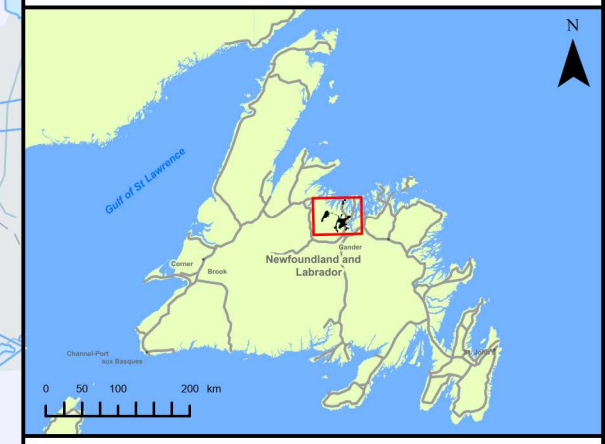


Bedrock Geology

Project Area

EVREC Green Energy Hub

Project Area	
Geology	
shale, slate and argillite	
granitoid intrusions	
gabbro and diorite intrusions	
marine siliciclastic sediments	
subaerial mafic to felsic volcanics	
submarine mafic to felsic volcanics	
shale, sandstone and conglomerate turbidites	

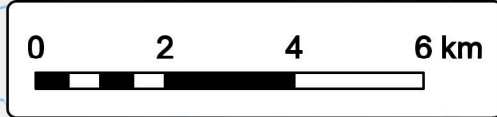
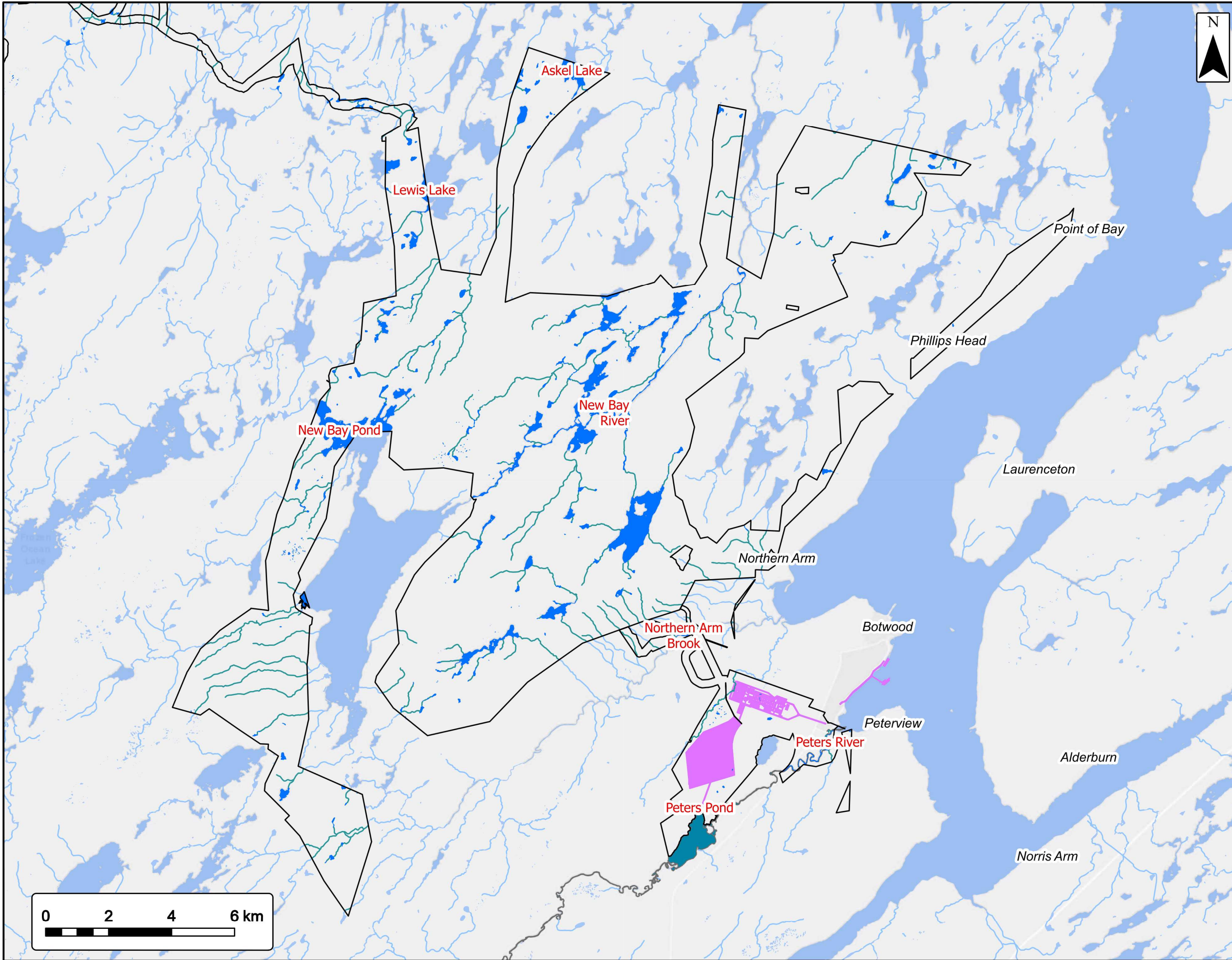


Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: Esri Canada, Esri, TomTom, Garmin, SafeGraph, METWASA, USGS, NRCan, Parks

Date:	Sept. 2024	Project #:	24-10265
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Drawn By:	B. Spencer		
Checked By:	N. Thomas		

Reference: Colman-Sadd, S.P., Hayes, J.P., and Knight, I., 1990. Geology of the Island of Newfoundland, Newfoundland and Labrador Department of Mines and Energy, Geological Survey, Map 0090-001, Open File NFLD/2192.

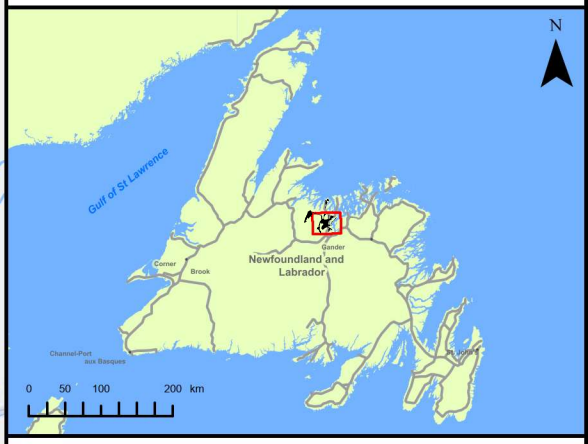




Waterways
Botwood

EVREC Green Energy Hub

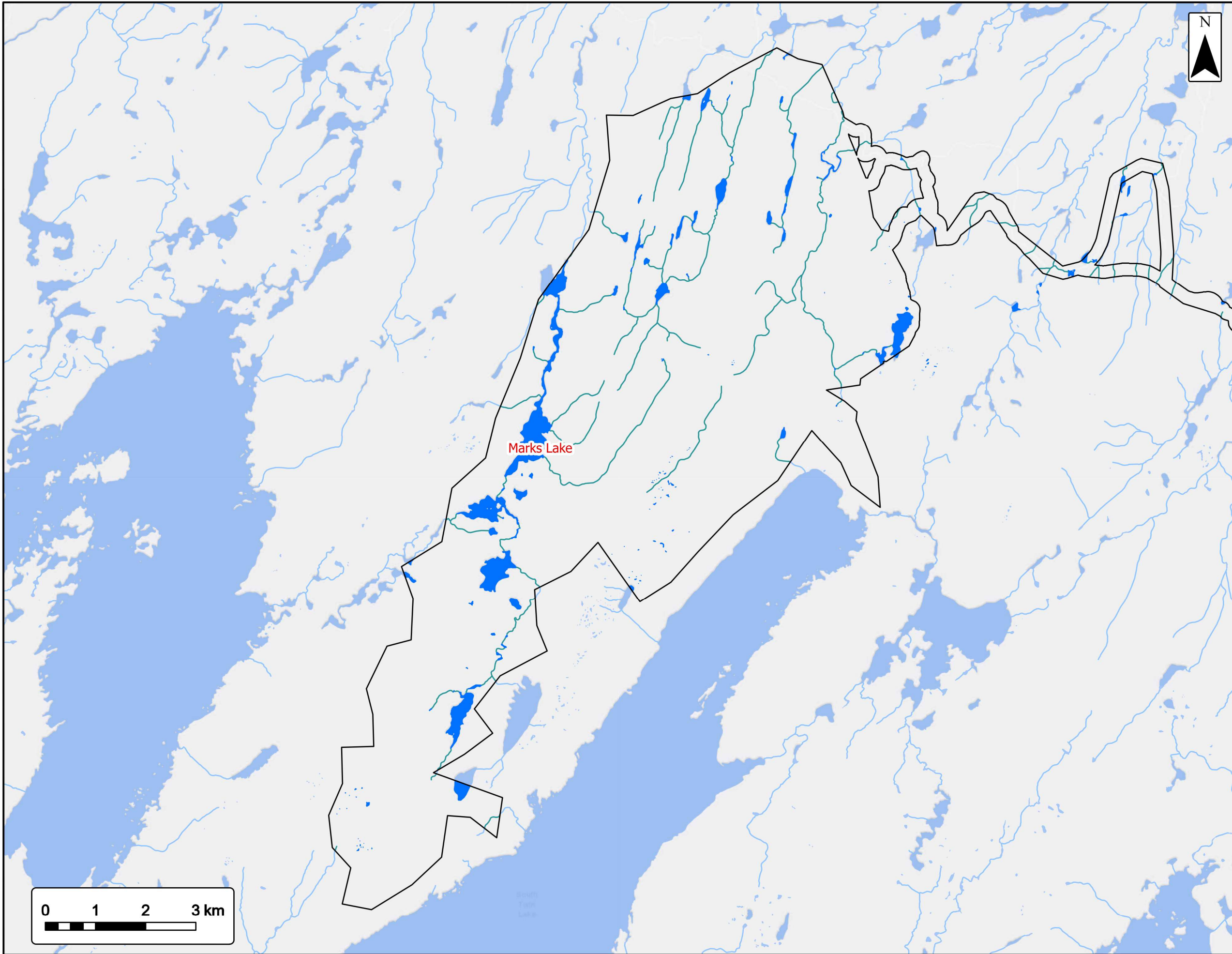
- Project Area Watercourses —
- Project Area Waterbodies ■
- Peter's Pond ■
- Industrial Facility ■
- Project Area



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: Esri, HERE, Garmin, USGS, NRCan, Gov. of Canada - CarVec

Date: Sept. 2024	Project #: 24-10265
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Drawn By: B. Spencer	
Checked By: N. Thomas	





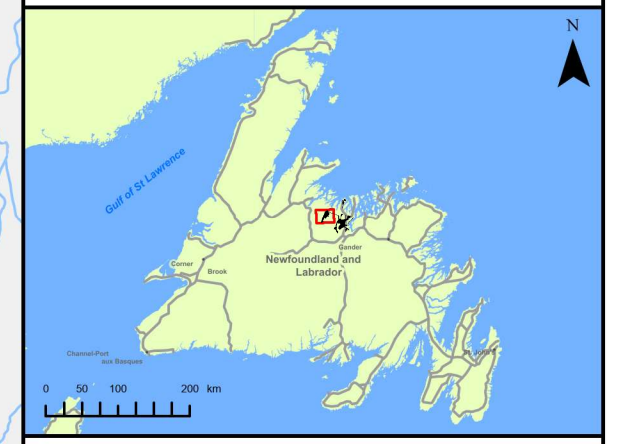
Waterways

Twin Lakes

EVREC Green Energy Hub

- Project Area Watercourses
- Project Area Waterbodies
- Project Area

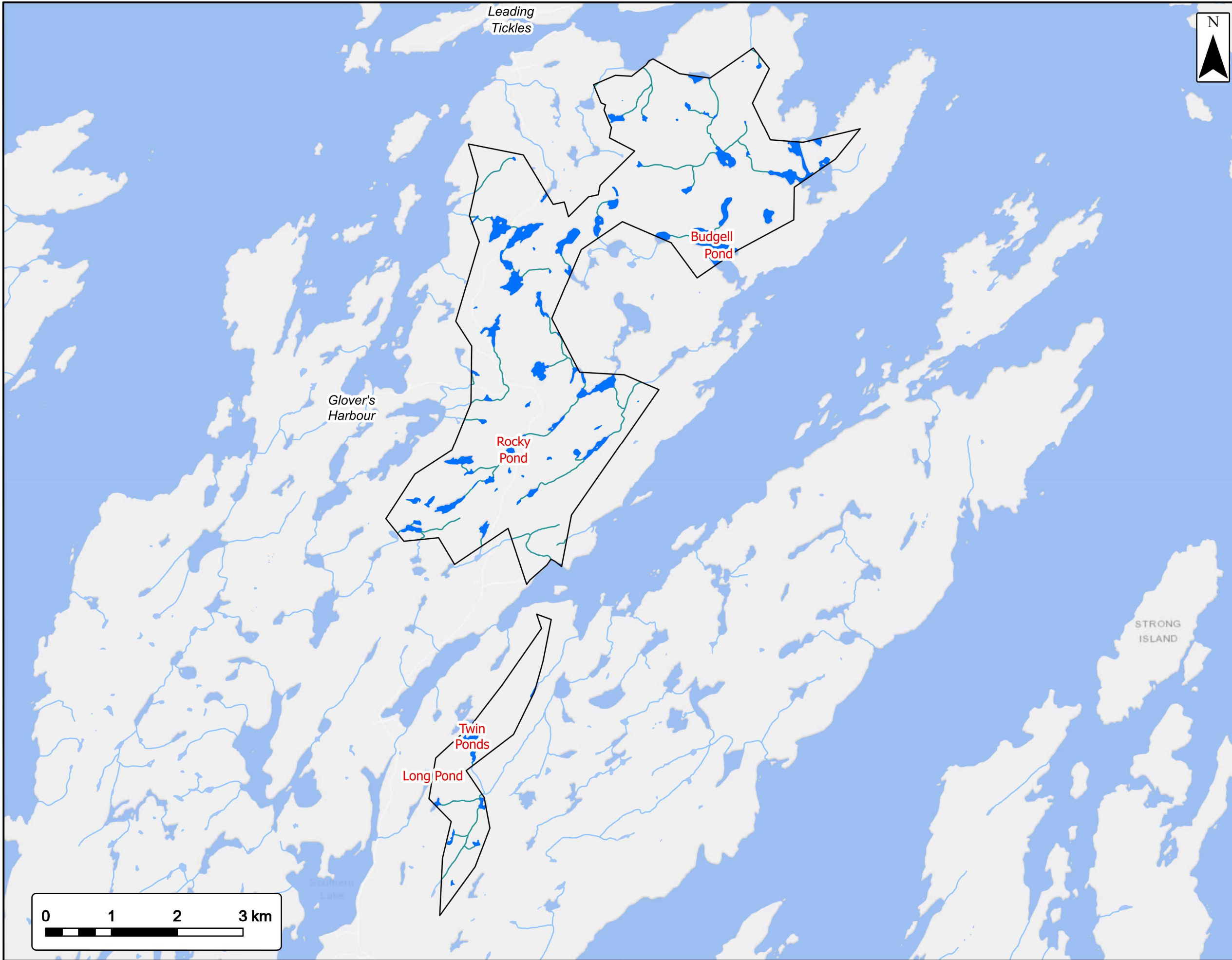
Marks Lake



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: Esri, HERE, Garmin, USGS, NRCan, Gov. of Canada - CarVec

Date: Sept. 2024	Project #: 24-10265
Scale: 1:73,000	3.4b
Drawn By: B. Spencer	
Checked By: N. Thomas	





Waterways

Leading Tickle

EVREC Green Energy Hub

Project Area Watercourses

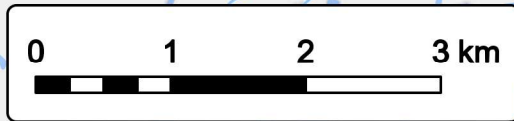
Project Area Waterbodies

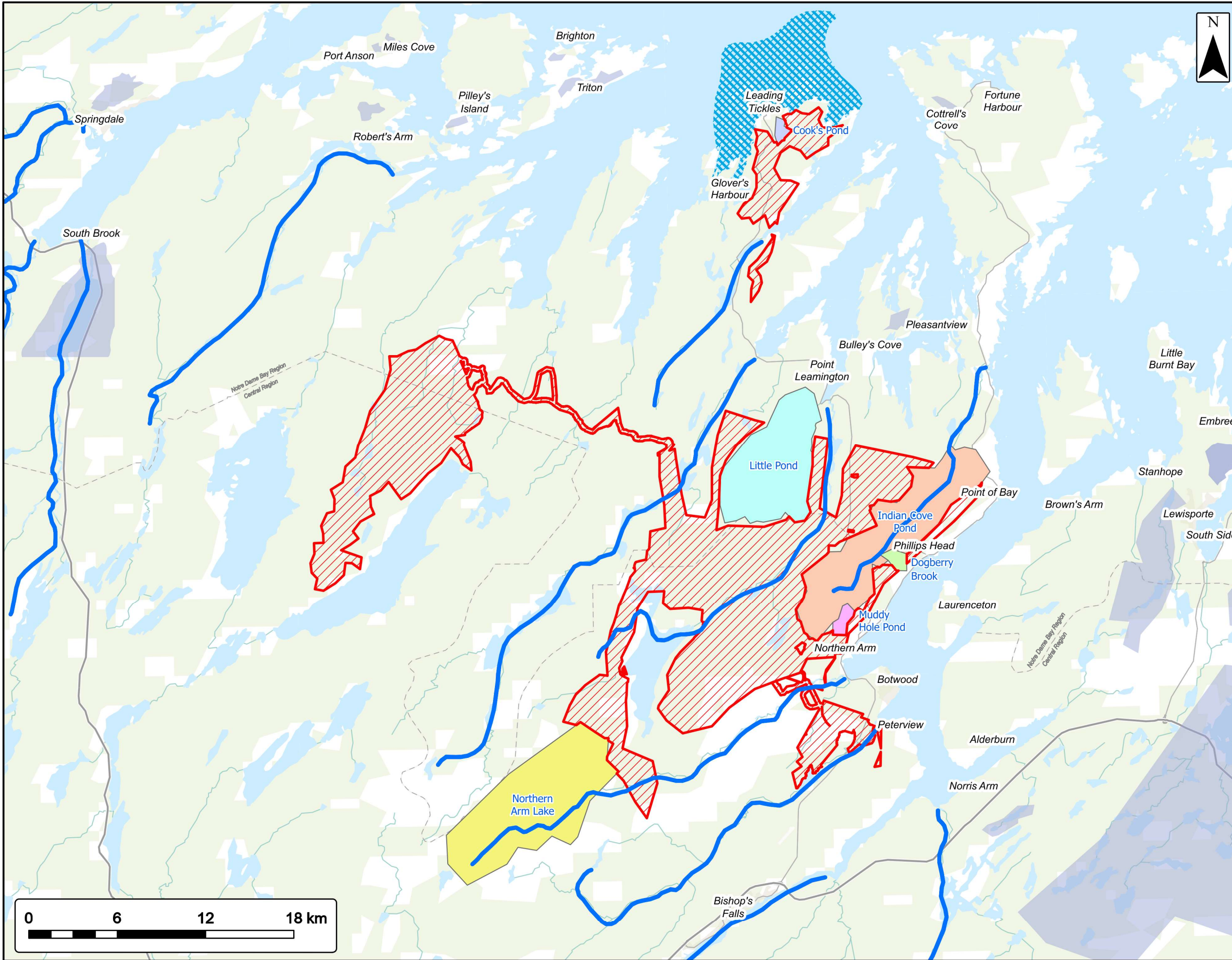
Project Area



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: Esri, HERE, Garmin, USGS, NRCan, Gov. of Canada - CarVec

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Drawn By:	B. Spencer		
Checked By:	N. Thomas		





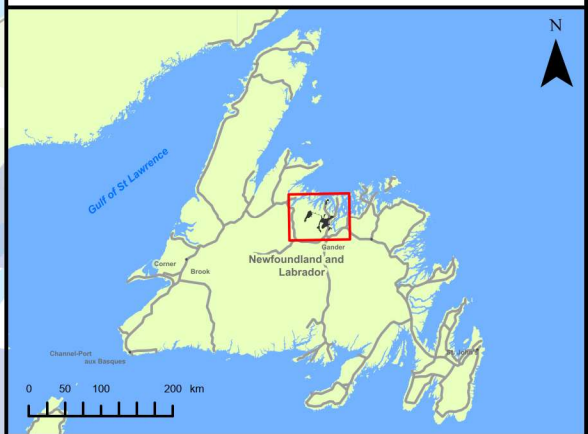
Land Use around Project Area

Water

EVREC Green Energy Hub

- Project Area
- Federal Lands
- Scheduled Salmon Rivers
- Marine Protected Area
- Domestic Watersupply Areas
- Cook's Pond
- Dogberry Brook
- Indian Cove Pond
- Little Pond
- Muddy Hole Pond
- Northern Arm Lake
- Other Domestic Water Supply Areas

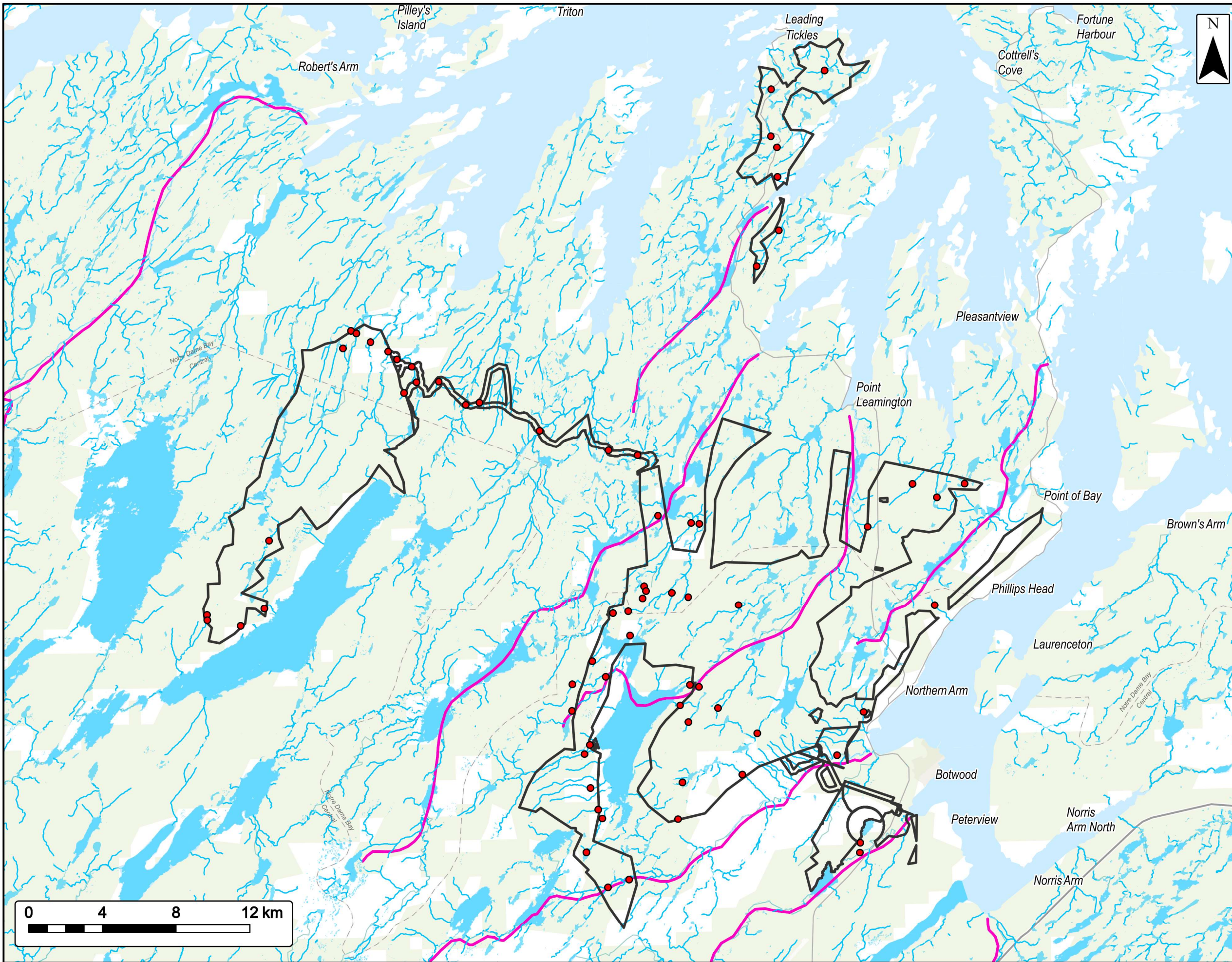
*Data gathered from the Government of Newfoundland and Labrador - Department Fisheries, Forestry and Agriculture's Land Use Atlas.



Coordinate System: NAD83 (CSRS) UTM Zone 21N
Sources: Esri Canada, Esri, TomTom, Garmin, SafeGraph, MET/NASA, USGS, NRCan, Parks Canada, NFLD Gov. Depts

Date:	Sept. 2024	Project #:	24-10265
Scale:	1:250,000	Drawing #:	3.5
Drawn By:	B. Spencer		
Checked By:	N. Thomas		





Fish Habitat Assessment Surveys
Project Area

EVREC Green Energy Hub

Fish Habitat Assessment Surveys ●

Scheduled Salmon Rivers —

Watercourse —

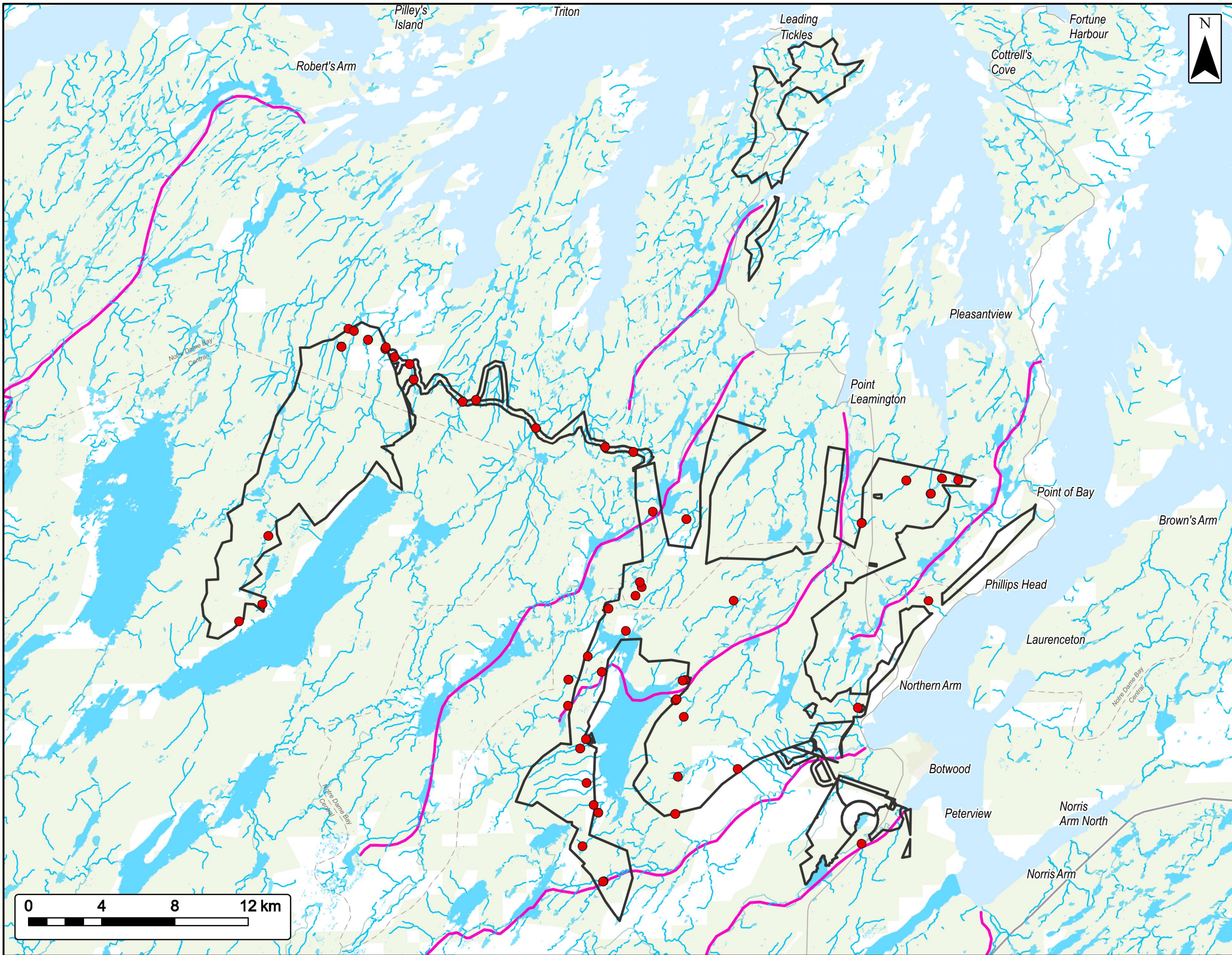
Project Area —

Waterbody —

Coordinate System: NAD 1983 CSRS UTM Zone 21N
Sources: ESRI Basemaps, GeoNOVA, NSTD, HERE, Garmin, USGS, NRCAN, NFLD Gov. Depts

Date:	August 2024	Project #:	24-10265
Scale:	1:200,000	Drawing #:	3.6
Drawn By:	M. Trotman		
Checked By:	N. Thomas		

strum
CONSULTING



Fish Surveys

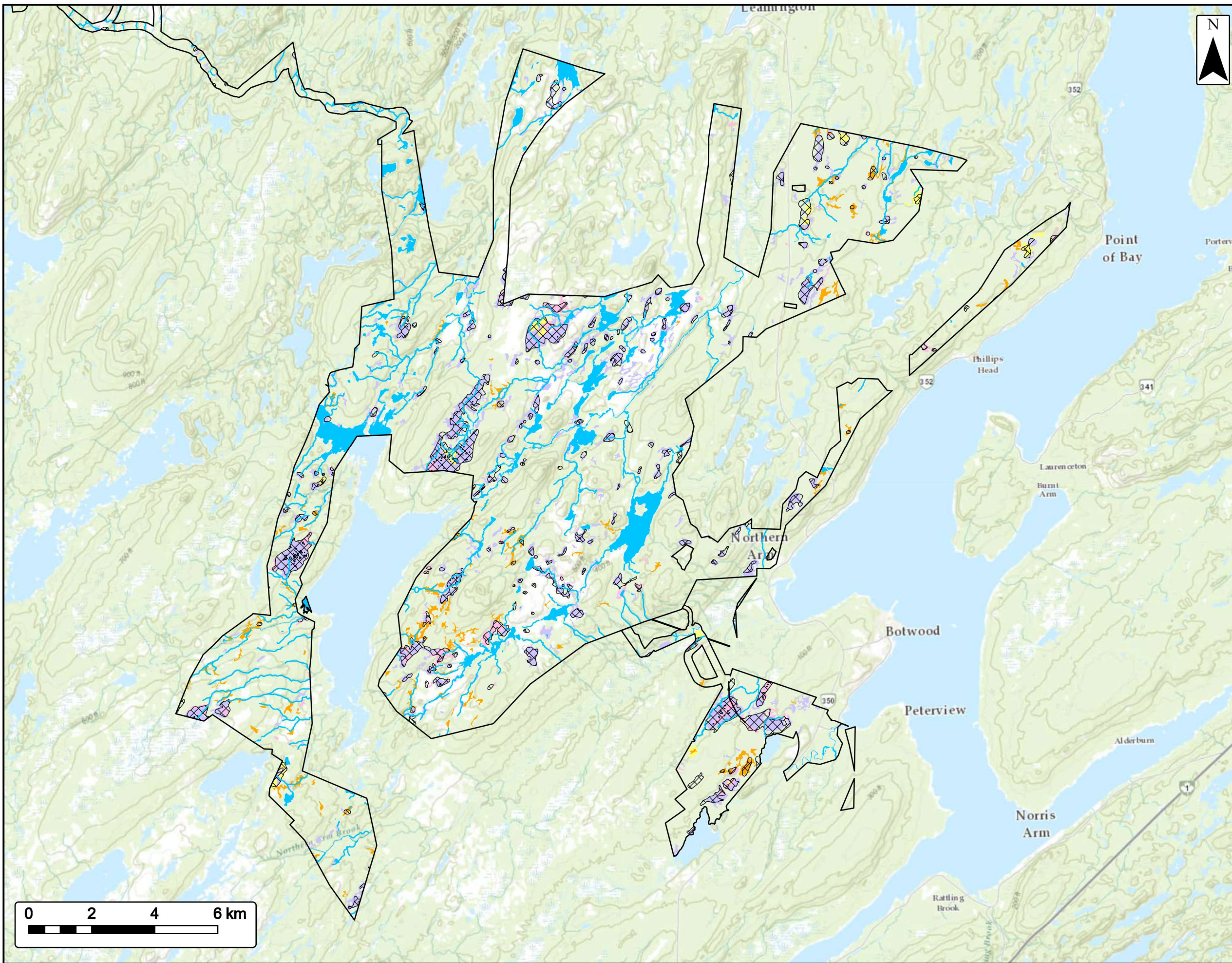
Project Area

EVREC Green Energy Hub

- Fish Surveys 2024 ●
- Scheduled Salmon Rivers —
- Watercourse —
- Project Area
- Waterbody

Coordinate System: NAD 1983 CSRS UTM Zone 21N
Sources: ESRI Basemaps, GeoNOVA, NSTD, HERE, Garmin, USGS, NRCan, NFLD Gov. Depts

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Drawn By: M. Trotman	
Checked By: N. Thomas	



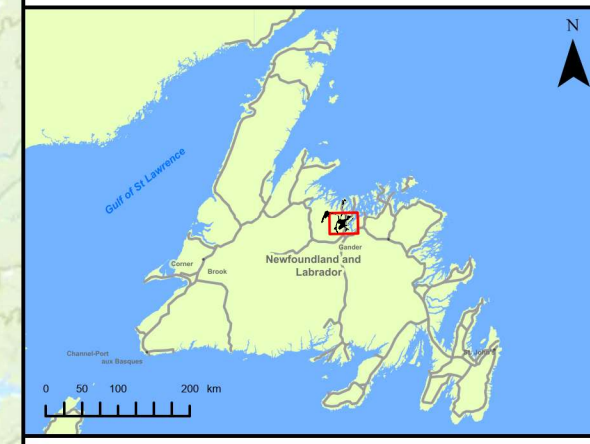
Wetlands

Botwood

EVREC Green Energy Hub

- Stream
- CanVec - Saturated Soil
- NLFFA Bog
- NLFFA Soil Barrens
- NLFFA Treed Bog
- NLFFA Wet Bog
- Waterbody
- Project Area

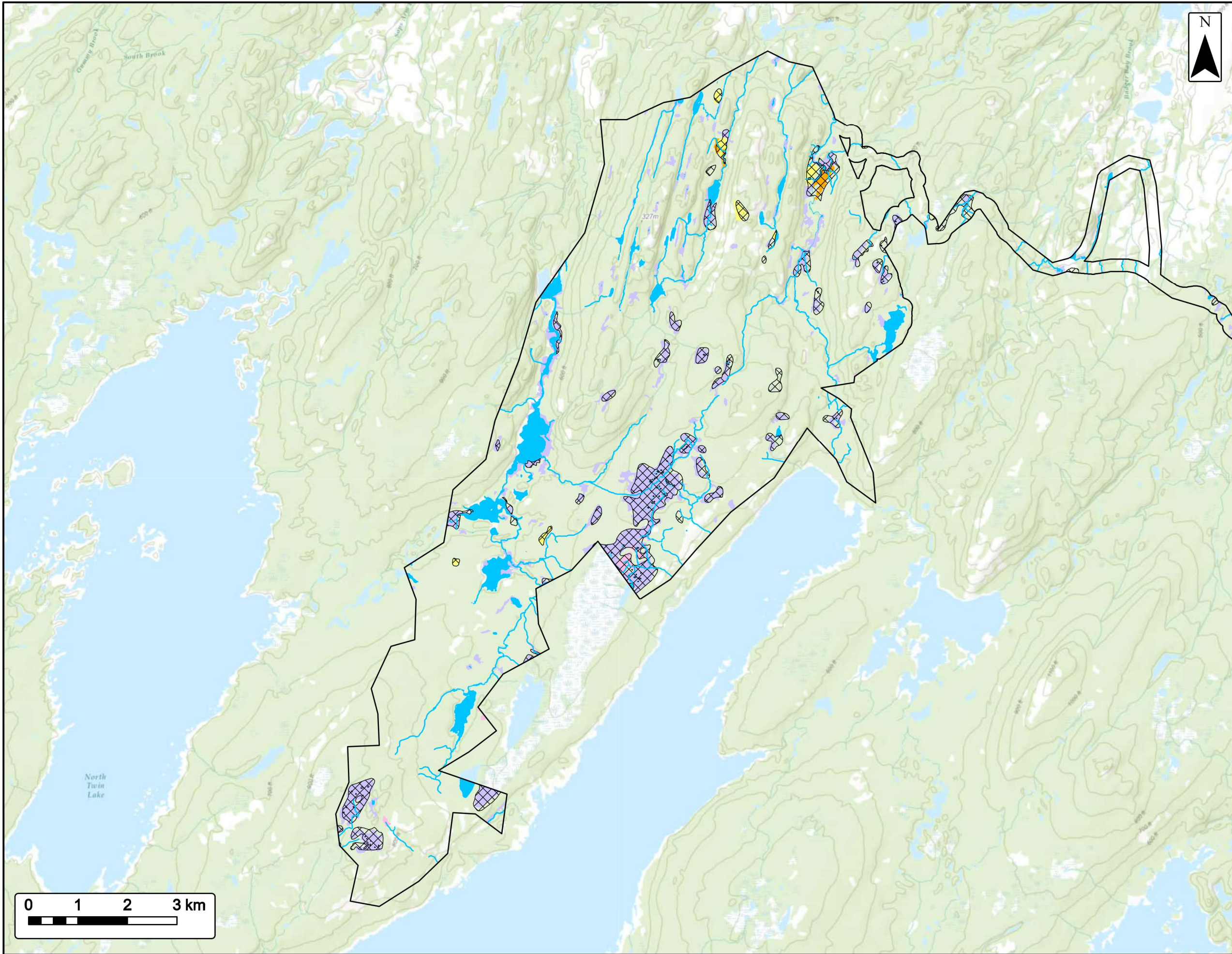
*Data gathered from the Government of Newfoundland and Labrador - Dept of Forestry, Fisheries and Agriculture (NLFFA) landcover database and Government of Canada's CanVec data series.



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: Esri, HERE, Garmin, USGS, NGA, AFAC, NRCan, NFLD Gov. Depts, Gov. of Canada.

Date: Sept. 2024	Project #: 24-10265
Scale: 1:117,000	<h1>3.8a</h1>
Drawn By: B. Spencer	
Checked By: N. Thomas	





Wetlands

Twin Lakes

EVREC Green Energy Hub

- Stream
- CanVec - Saturated Soil
- NLFFA Bog
- NLFFA Soil Barrens
- NLFFA Treed Bog
- NLFFA Wet Bog
- Waterbody
- Project Area

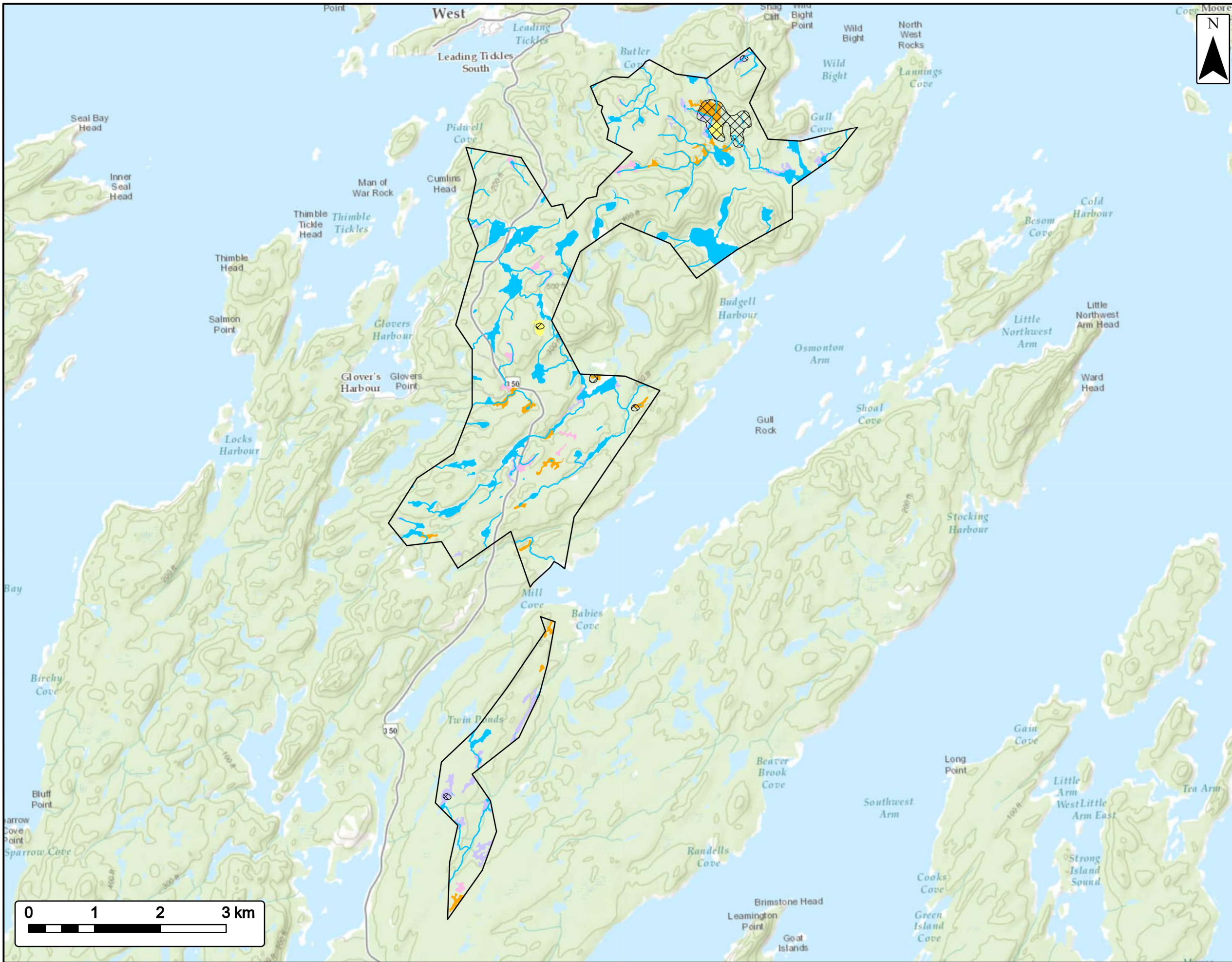
*Data gathered from the Government of Newfoundland and Labrador - Dept of Forestry, Fisheries and Agriculture (NLFFA) landcover database and Government of Canada's CanVec data series.



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: Esri, © OpenStreetMap contributors, HERE, Garmin, USGS, HGA, AAFC, HRCAN, IFLD Gov. Depts, Gov. of Canada.

Date:	Sept. 2024	Project #:	24-10265
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Drawn By:	B. Spencer		
Checked By:	N. Thomas		





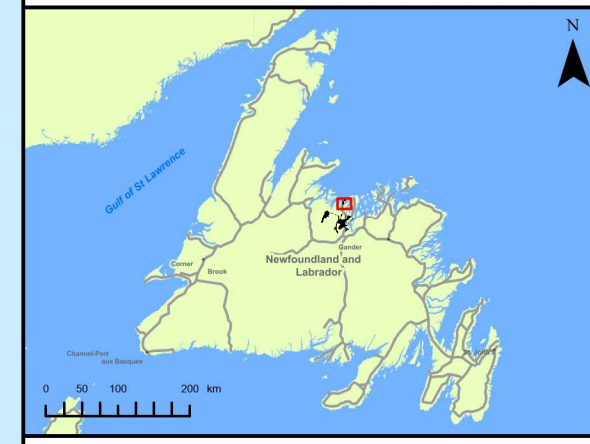
Wetlands

Leading Ticks

EVREC Green Energy Hub

- Stream
- CanVec - Saturated Soil
- NLFFA Bog
- NLFFA Soil Barrens
- NLFFA Treed Bog
- NLFFA Wet Bog
- Waterbody
- Project Area

*Data gathered from the Government of Newfoundland and Labrador - Dept of Forestry, Fisheries and Agriculture (NLFFA) landcover database and Government of Canada's CanVec data series.



Coordinate System: NAD83 (CSRS) UTM Zone 21N Sources: Esri, HERE, Garmin, USGS, NGA, AAF, NRCAN, NFDL Gov. Depts, Gov. of Canada.

Date: Sept. 2024	Project #: 24-10265
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Drawn By: B. Spencer	
Checked By: N. Thomas	

