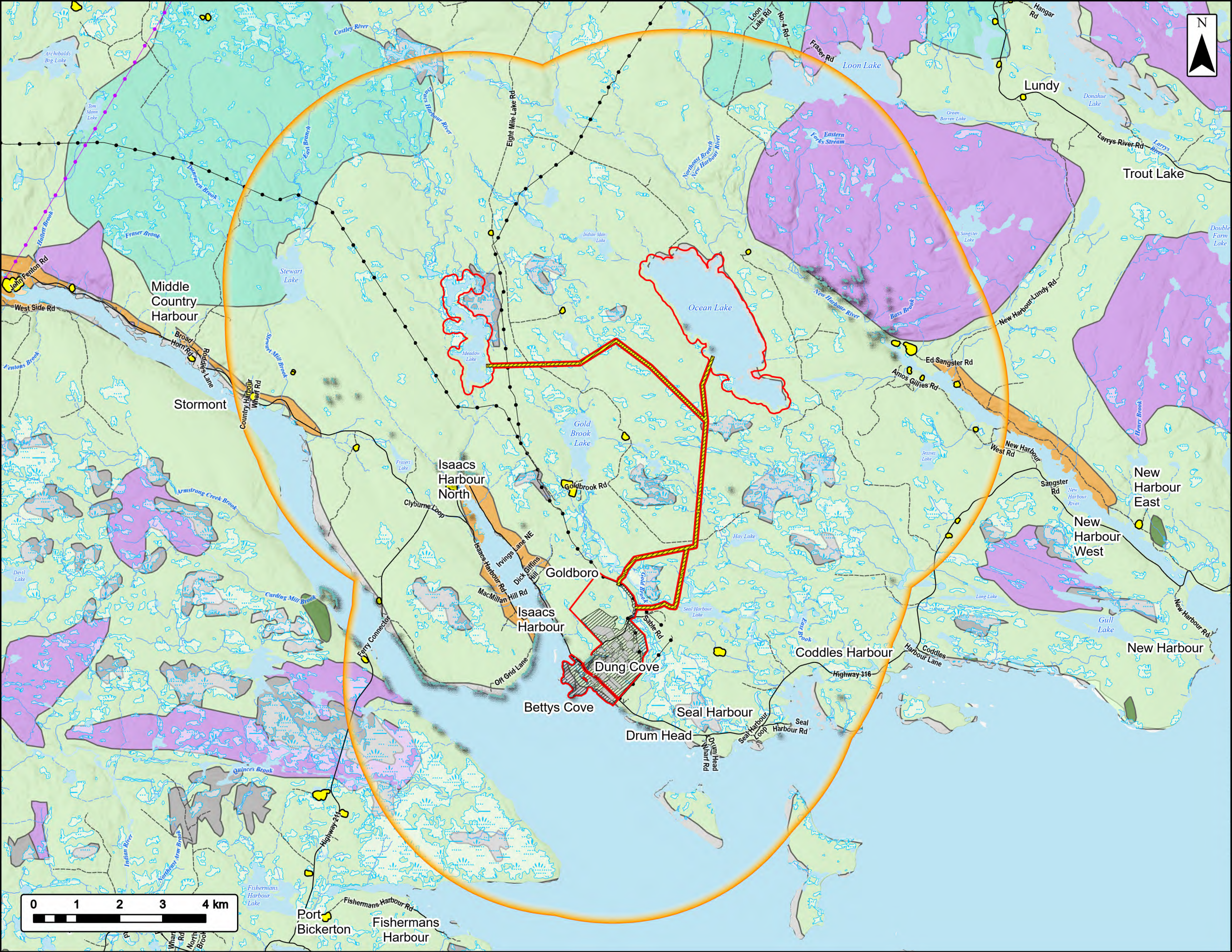




**Nova Sustainable Fuels**

Potential Bank Swallow Breeding Habitat



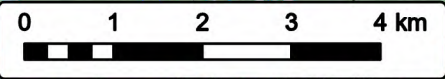
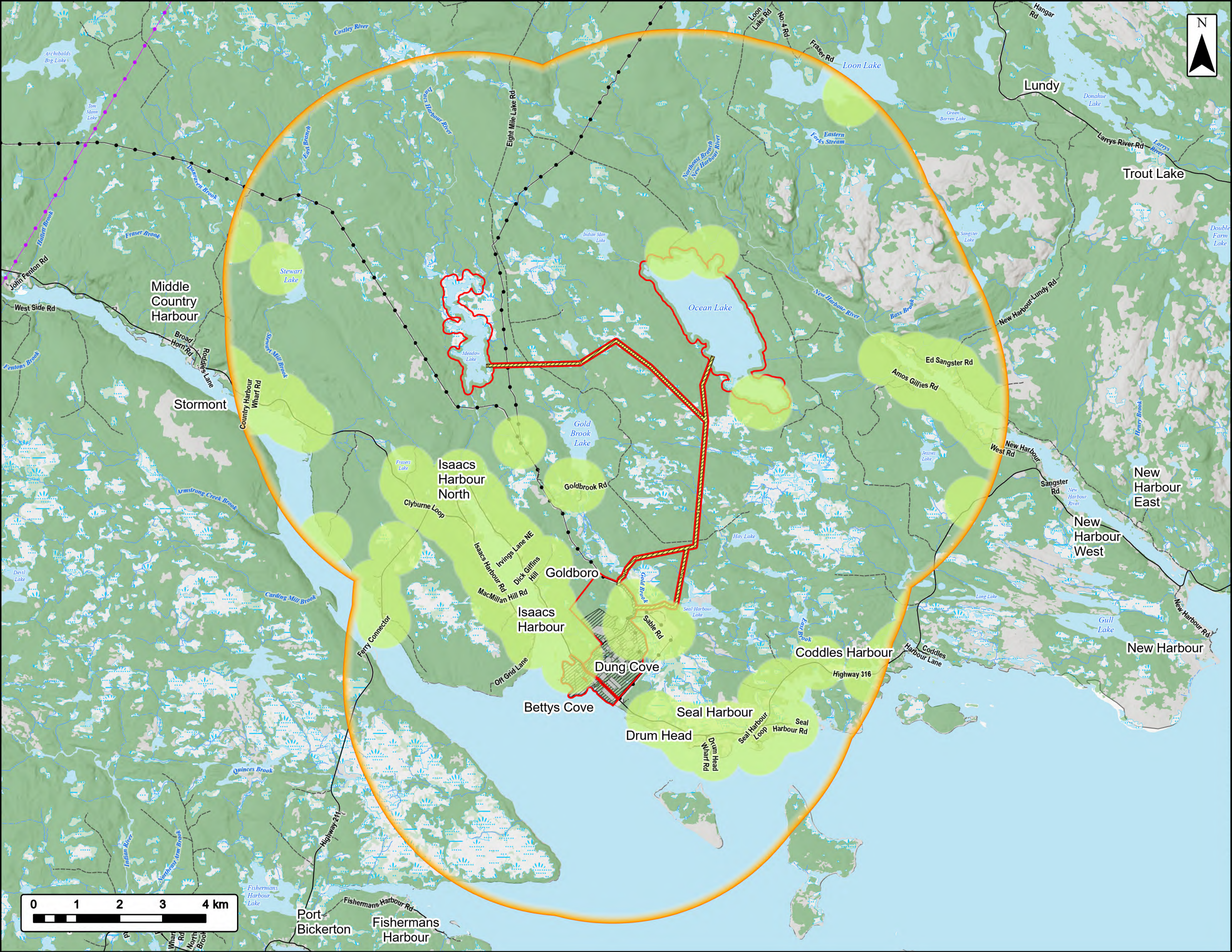
|                                     |  |                                      |  |
|-------------------------------------|--|--------------------------------------|--|
| Assessment Area                     |  | <b>Transportation</b>                |  |
| Local Assessment Area (5 km)        |  | Road                                 |  |
| Project Footprint                   |  | Unpaved Road                         |  |
| Project Infrastructure              |  | <b>Utilities (Line)</b>              |  |
| Proposed Freshwater Pipeline Routes |  | Existing Pipeline                    |  |
| Potential for Suitable Slope        |  | Existing Transmission Lines          |  |
| Quarry/Pit                          |  | <b>Water Features</b>                |  |
|                                     |  | Mapped Stream                        |  |
|                                     |  | Mapped Intermittent/Ephemeral Stream |  |
|                                     |  | Mapped Lakes and Rivers              |  |
|                                     |  | Mapped Wetlands                      |  |
| <b>Surficial Geology By Unit</b>    |  |                                      |  |
| Bedrock                             |  |                                      |  |
| Hummocky Ground Moraine             |  |                                      |  |
| Kame Fields and Esker Systems       |  |                                      |  |
| Marine Deposits                     |  |                                      |  |
| Organic Deposits                    |  |                                      |  |
| Silty Drumlin                       |  |                                      |  |
| Stony Till Plain                    |  |                                      |  |



Coordinate System: NAD 1983 UTM Zone 20N  
Sources: Esri, NASA, NGA, USGS, GeoNOVA, SNSIS, NSHRR, ACCDC, IBA Canada, CHWI, HERE, Garmin, USGS

|             |            |            |             |
|-------------|------------|------------|-------------|
| Date:       | 2025-10-21 | Project #: | 24-10412    |
| Scale:      | 1:85,000   | Drawing #: | <b>7.31</b> |
| Drawn By:   | P. Opra    |            |             |
| Checked By: | H. Mosher  |            |             |





# Nova Sustainable Fuels

Potential Barn Swallow Breeding Habitat



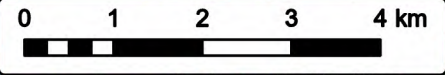
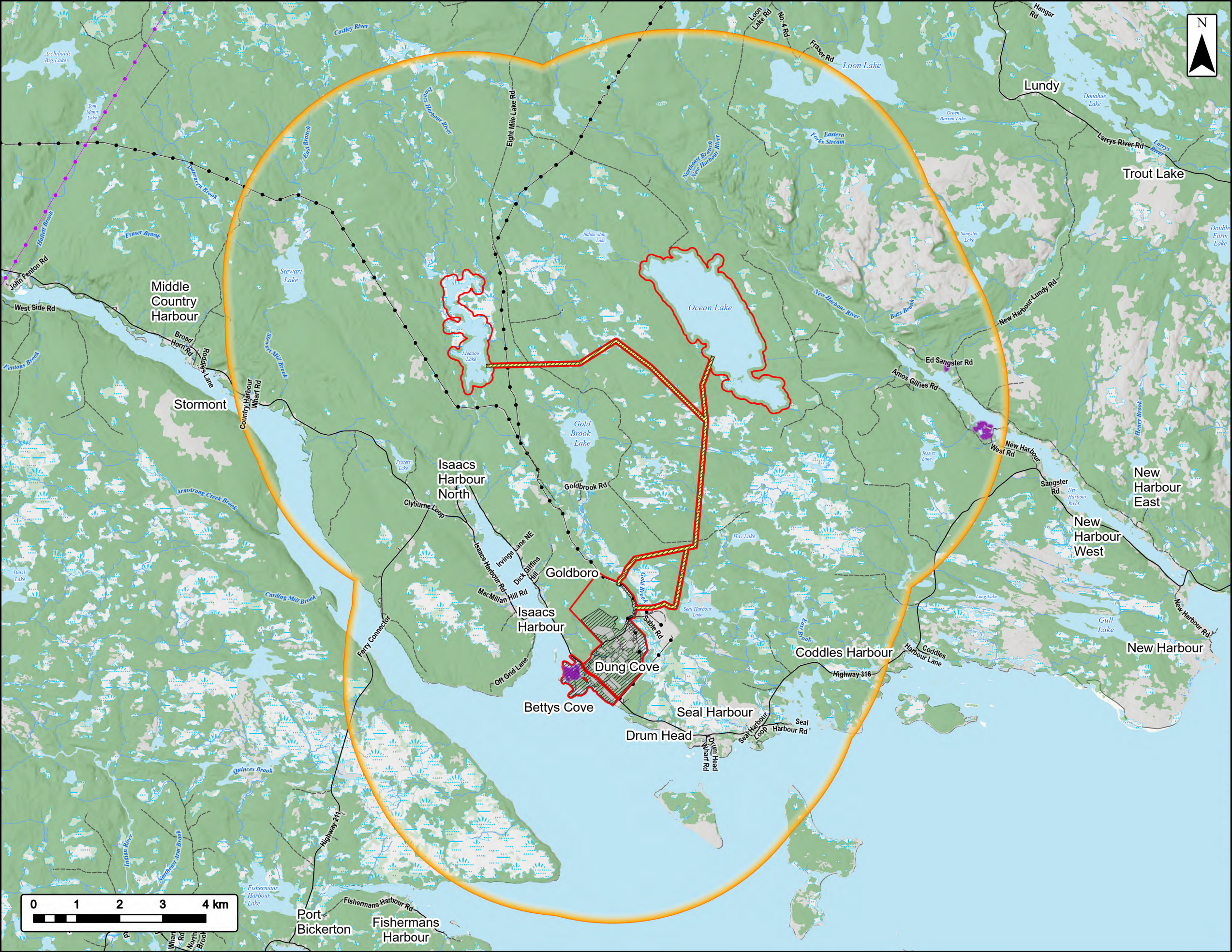
- Assessment Area
- Local Assessment Area (5 km)
- Project Footprint
- Project Infrastructure
- Proposed Freshwater Pipeline Routes
- Potential Barn Swallow Breeding Habitat
- Transportation**
- Road
- Unpaved Road
- Utilities (Line)**
- Existing Pipeline
- Existing Transmission Lines
- Water Features**
- Mapped Stream
- Mapped Intermittent/Ephemeral Stream
- Mapped Lakes and Rivers
- Mapped Wetlands



Coordinate System: NAD 1983 UTM Zone 20N  
Sources: Esri, NASA, NGA, USGS, Service Nova Scotia, GeoNOVA, SNSIS, NSHRR, ACCDC, IBA Canada, CNWI, HERE, Garmin, USGS

|             |            |            |            |
|-------------|------------|------------|------------|
| Date:       | 2025-10-22 | Project #: | 24-10412   |
| Scale:      | 1:85,000   | 7.32       | Drawing #: |
| Drawn By:   | P. Opra    |            |            |
| Checked By: | H. Mosher  |            |            |





# Nova Sustainable Fuels

Potential Bobolink Breeding Habitat



Assessment Area

Local Assessment Area (5 km)

Project Footprint

Project Infrastructure

Proposed Freshwater Pipeline Routes

Potential Bobolink Breeding Habitat

**Transportation**

Road

Unpaved Road

**Utilities (Line)**

Existing Pipeline

Existing Transmission Lines

**Water Features**

Mapped Stream

Mapped Intermittent/Ephemeral Stream

Mapped Lakes and Rivers

Mapped Wetlands

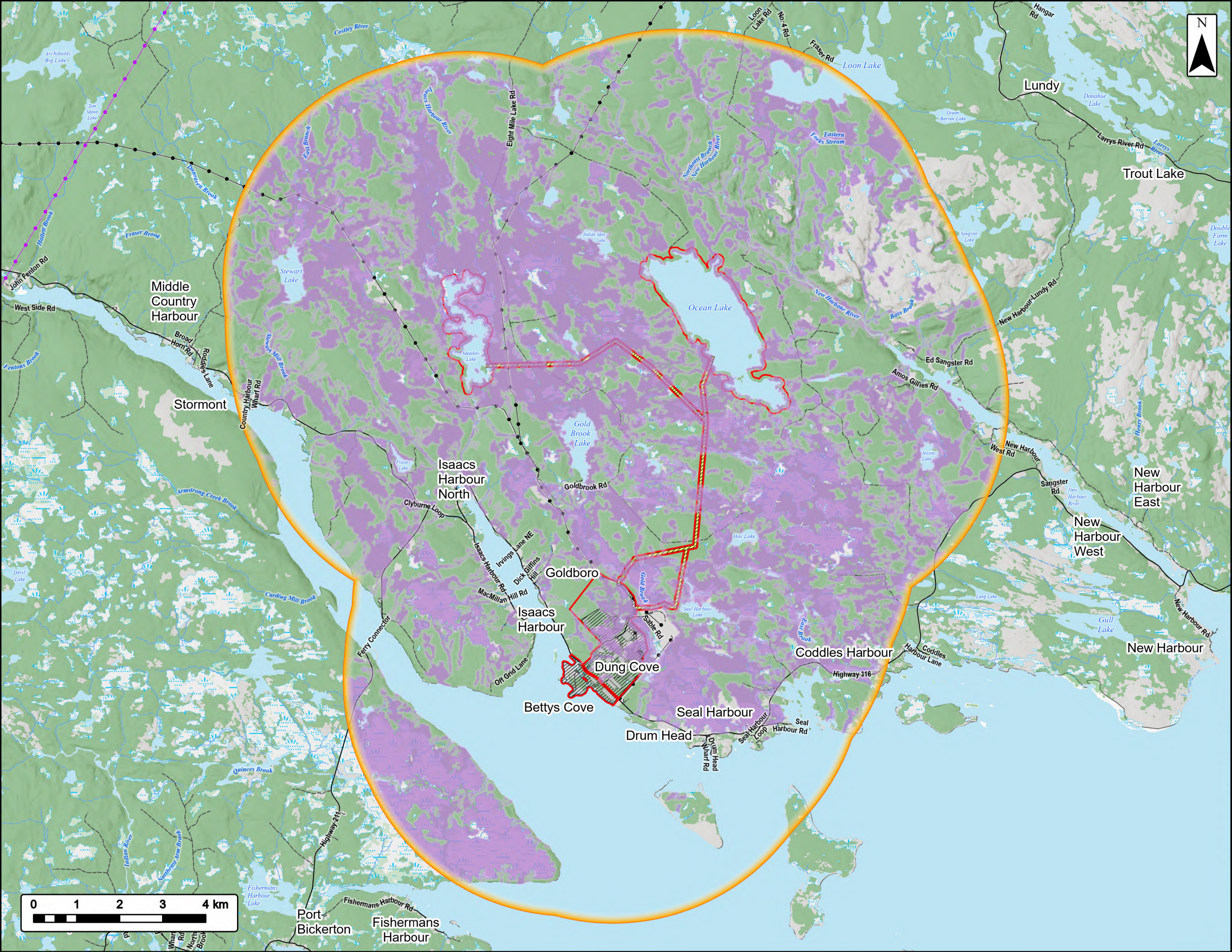


Coordinate System: NAD 1983 UTM Zone 20N

Sources: Esri, NASA, NGA, USGS, Service Nova Scotia, GeoNOVA, SNSIS, NSHRR, ACCDC, IBA Canada, CNWI, HERE, Garmin, USGS

|             |            |            |             |
|-------------|------------|------------|-------------|
| Date:       | 2025-10-22 | Project #: | 24-10412    |
| Scale:      | 1:85,000   | Drawing #: | <b>7.33</b> |
| Drawn By:   | P. Opra    |            |             |
| Checked By: | H. Mosher  |            |             |





# Nova Sustainable Fuels

Potential Canada Warbler Breeding Habitat



Assessment Area

Local Assessment Area (5 km)

Project Footprint

Project Infrastructure

Proposed Freshwater Pipeline Routes

Potential Canada Warbler Breeding Habitat

**Transportation**

Road

Unpaved Road

**Utilities (Line)**

Existing Pipeline

Existing Transmission Lines

**Water Features**

Mapped Stream

Mapped Intermittent/Ephemeral Stream

Mapped Lakes and Rivers

Mapped Wetlands

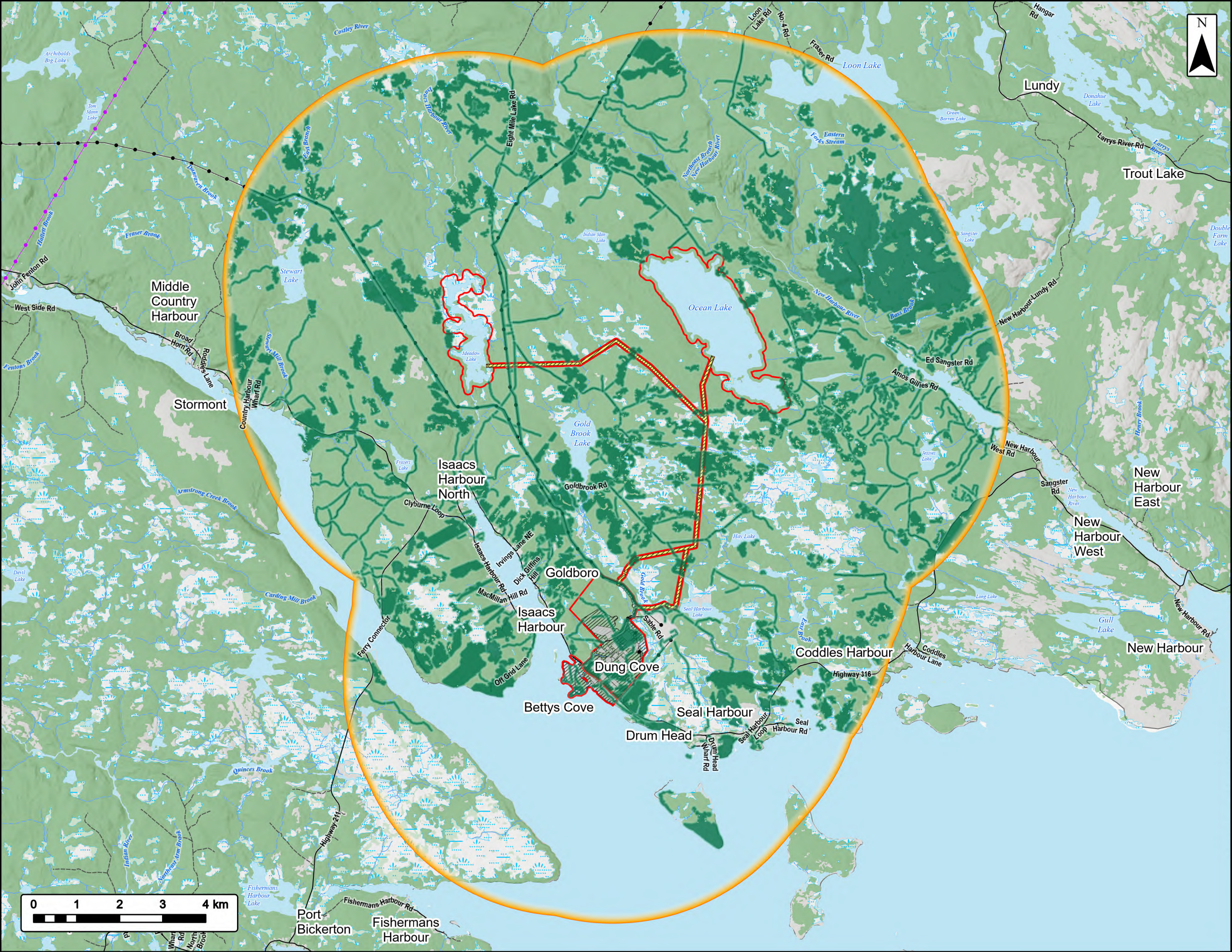


Coordinate System: NAD 1983 UTM Zone 20N

Sources: Esri, NASA, NGA, USGS, Service Nova Scotia, GeoNOVA, SNSIS, NSHRR, ACCDC, IBA Canada, CNWI, HERE, Garmin, USGS

|             |            |            |          |
|-------------|------------|------------|----------|
| Date:       | 2025-10-22 | Project #: | 24-10412 |
| Scale:      | 1:85,000   | Drawing #: | 7.34     |
| Drawn By:   | P. Opra    |            |          |
| Checked By: | H. Mosher  |            |          |





## Nova Sustainable Fuels

Potential Common Nighthawk Breeding Habitat



nova  
sustainable  
fuels

Assessment Area

Local Assessment Area (5 km)

Project Footprint

Project Infrastructure

Proposed Freshwater Pipeline Routes

Potential Common Nighthawk Breeding Habitat

**Transportation**

Road

Unpaved Road

**Utilities (Line)**

Existing Pipeline

Existing Transmission Lines

**Water Features**

Mapped Stream

Mapped Intermittent/Ephemeral Stream

Mapped Lakes and Rivers

Mapped Wetlands



0 50 100 200 km

Coordinate System: NAD 1983 UTM Zone 20N

Sources: Esri, NASA, NGA, USGS, Service Nova Scotia, GeoNOVA, SNSIS, NSHRR, ACCDC, IBA Canada, CNWI, HERE, Garmin, USGS

|             |            |            |          |
|-------------|------------|------------|----------|
| Date:       | 2025-10-22 | Project #: | 24-10412 |
| Scale:      | 1:85,000   | Drawing #: | 7.35     |
| Drawn By:   | P. Opra    |            |          |
| Checked By: | H. Mosher  |            |          |



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