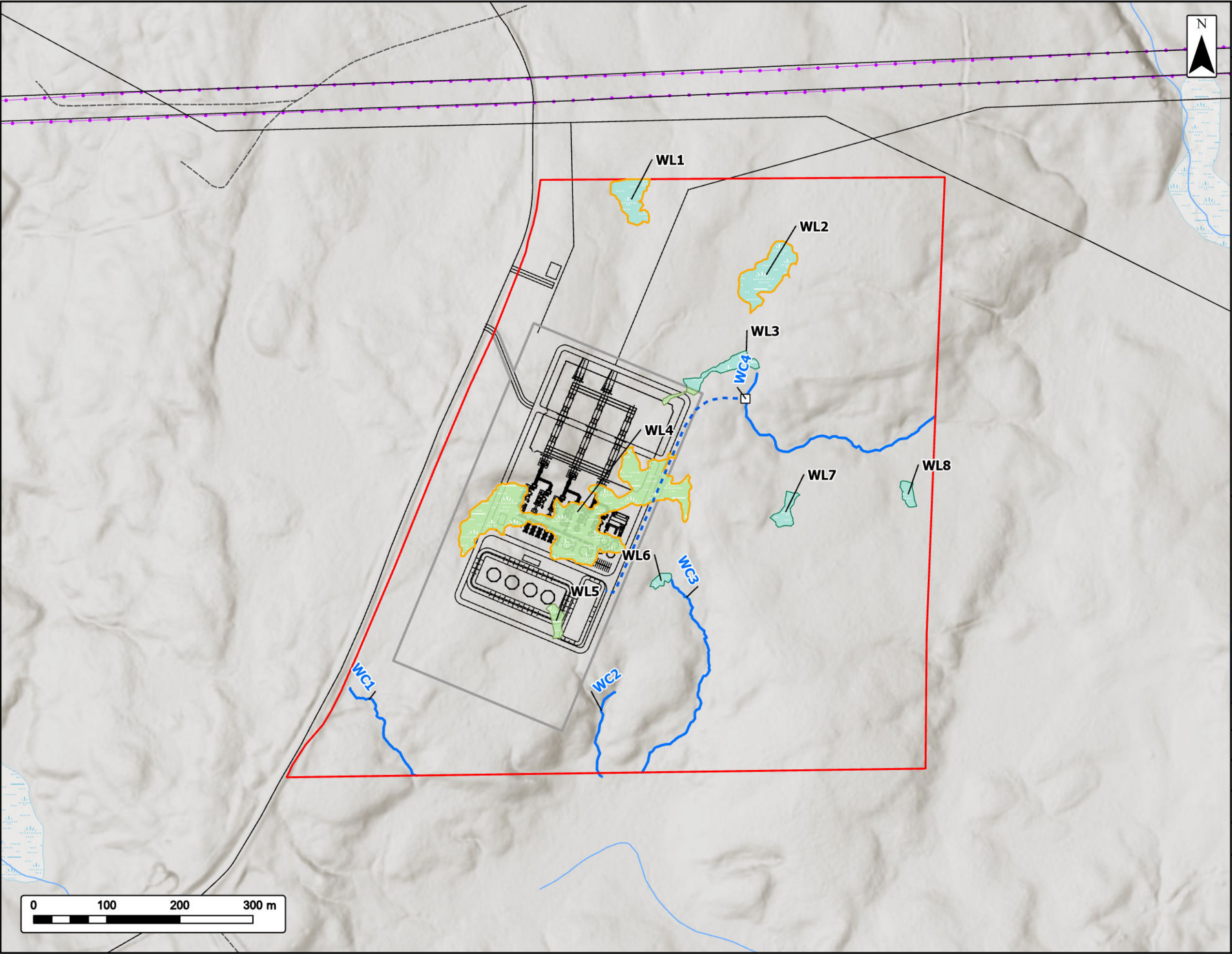




# Fast Acting Natural Gas Power Generation Facility - Marshdale

## Freshwater Aquatic Environment Field Results



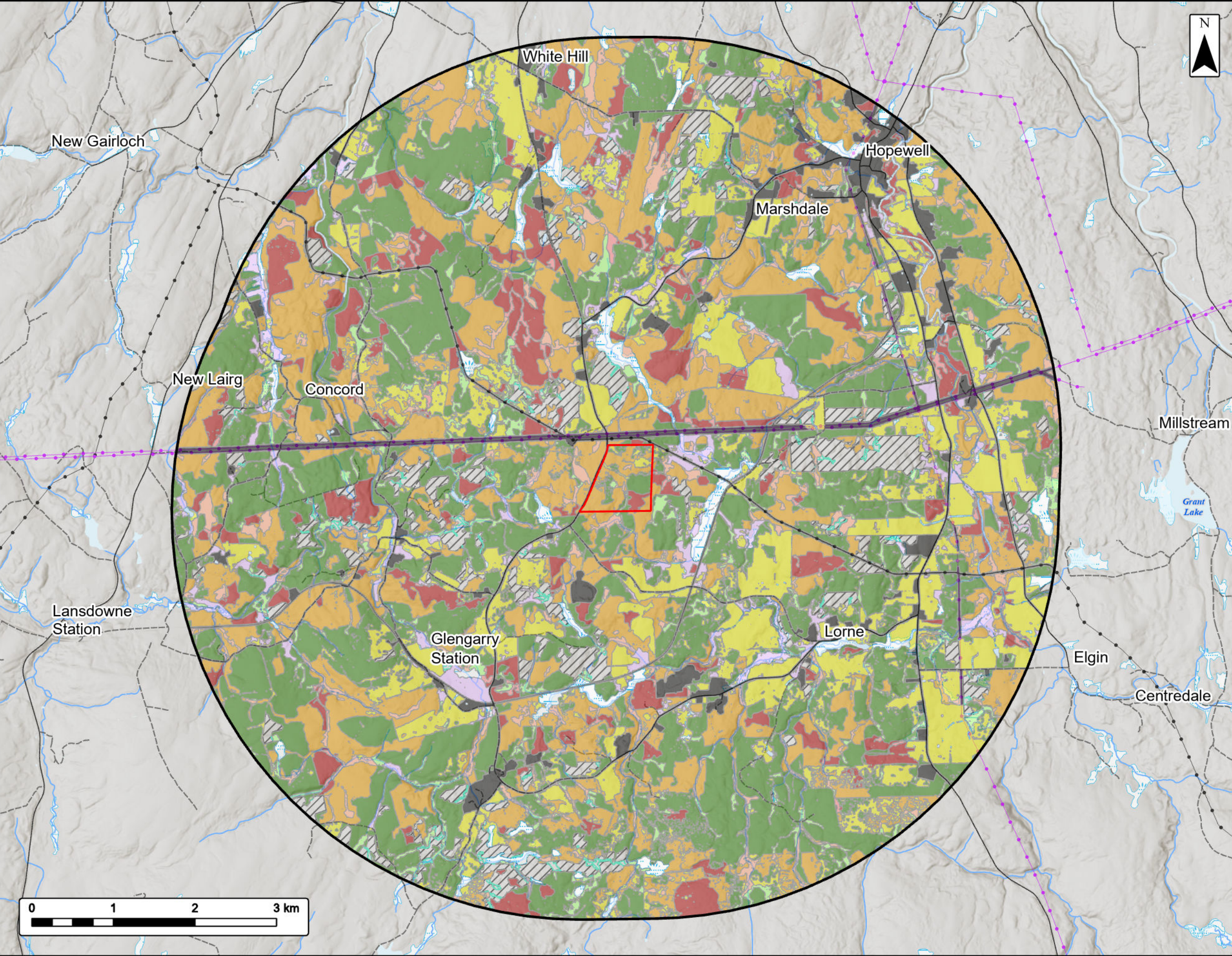
|                                           |  |
|-------------------------------------------|--|
| Project Area                              |  |
| Project Footprint                         |  |
| Infrastructure                            |  |
| Potential Discharge Location              |  |
| Potential effluent release route          |  |
| Field Delineated Watercourse              |  |
| Field Delineated Wetland                  |  |
| Impacted Wetland                          |  |
| Potential Wetland of Special Significance |  |
| <b>Utilities (line)</b>                   |  |
| Existing Power Transmission Lines         |  |
| <b>Transportation</b>                     |  |
| Road                                      |  |
| Unpaved Road                              |  |
| <b>Water Features</b>                     |  |
| Mapped Watercourse                        |  |
| Mapped Wetland                            |  |



Coordinate System: NAD 1983 CSRS UTM Zone 20N  
Sources: Sources: Esri, Maxar, Airbus DS, USGS, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodanlyresen, Rijkswaterstaat, GSA, GeoLand, FEMA, Intermap, and the GIS user community, GeoNOVA, NSNRR, ACCOC, IBA Canada, CNVI, HERE, Garmin

|             |             |            |          |
|-------------|-------------|------------|----------|
| Date:       | 2025-12-02  | Project #: | 25-12222 |
| Scale:      | 1:5,000     | Drawing #: | 9.3      |
| Drawn By:   | K. Wallace  |            |          |
| Checked By: | M. Juurlink |            |          |





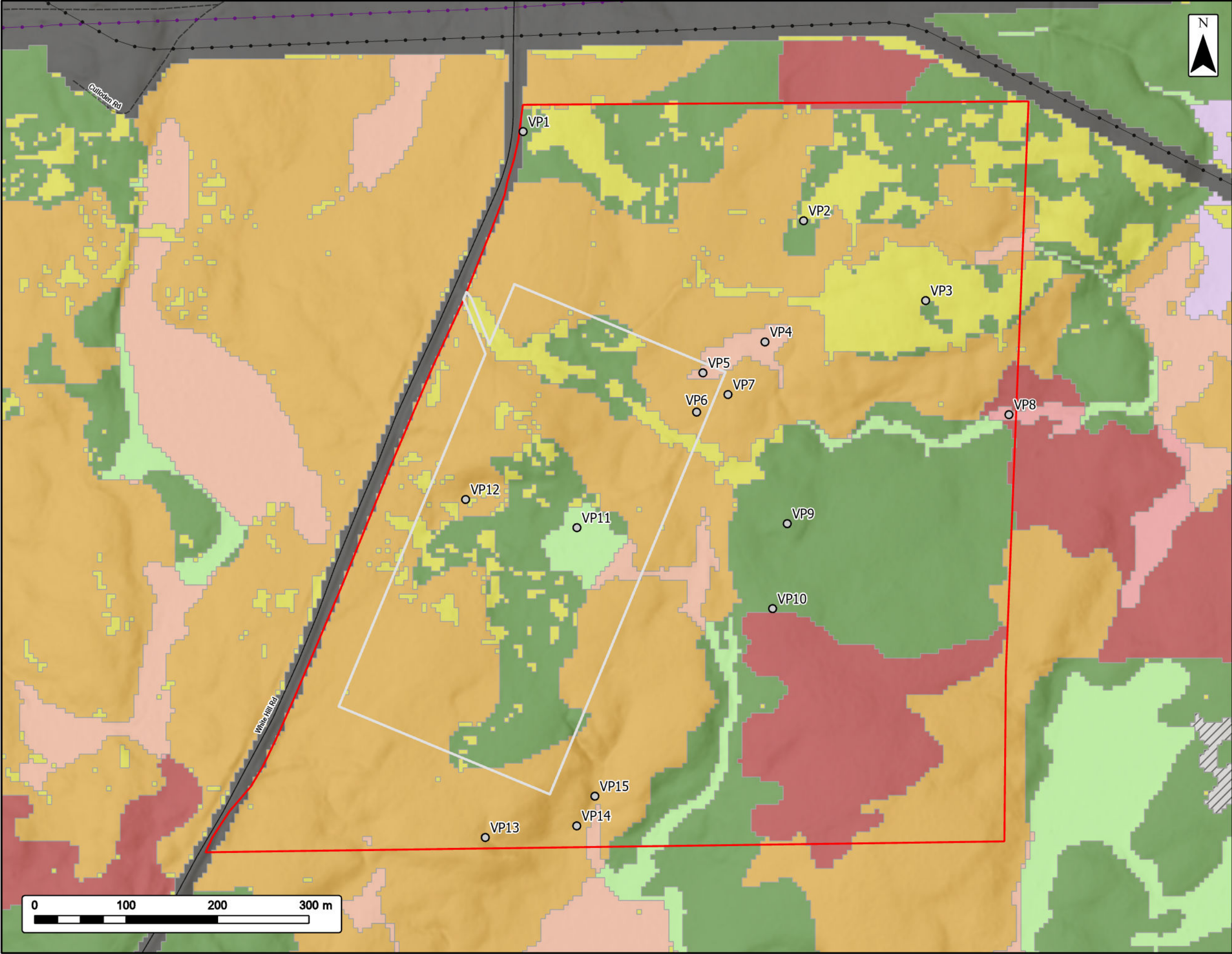
### Fast Acting Natural Gas Power Generation Facility - Marshdale

Land Cover Modelling Results

|                       |  |                             |  |
|-----------------------|--|-----------------------------|--|
| Project Area          |  | <b>Utilities (line)</b>     |  |
| Local Assessment Area |  | Existing Pipeline           |  |
| Cutover               |  | Existing Transmission Lines |  |
| Cutover Wetland       |  | <b>Transportation</b>       |  |
| Hardwood Forest       |  | Road                        |  |
| Hardwood Wet Forest   |  | Unpaved Road                |  |
| Mixedwood Forest      |  | <b>Water Features</b>       |  |
| Mixedwood Wet Forest  |  | Mapped Watercourse          |  |
| Open Areas            |  | Mapped Lakes and Rivers     |  |
| Open Wetland          |  | Mapped Wetland              |  |
| Shrub/ Alders         |  |                             |  |
| Softwood Forest       |  |                             |  |
| Softwood Wet Forest   |  |                             |  |
| Urban/ Developed      |  |                             |  |
| Water                 |  |                             |  |

Coordinate System: NAD 1983 CSRS UTM Zone 20N  
Sources: Esri, NASA, NGA, USGS, GeoNOVA, NSNRR, ACCDC, IBA Canada, CNWI, HERE, Garmin

|             |             |            |              |
|-------------|-------------|------------|--------------|
| Date:       | 2025-11-28  | Project #: | 25-12222     |
| Scale:      | 1:45,000    | Drawing #: | <b>10.1A</b> |
| Drawn By:   | K. Wallace  |            |              |
| Checked By: | M. Juurlink |            |              |



### Fast Acting Natural Gas Power Generation Facility - Marshdale

Land Cover Modelling Results

**Project Area**

Project Footprint

Vegetation Community Point (VP)

Cutover

Hardwood Forest

Hardwood Wet Forest

Mixedwood Forest

Mixedwood Wet Forest

Open Areas

Open Wetland

Shrub/ Alders

Softwood Forest

Softwood Wet Forest

Urban/ Developed

**Utilities (line)**

Existing Pipeline

Existing Transmission Lines

**Transportation**

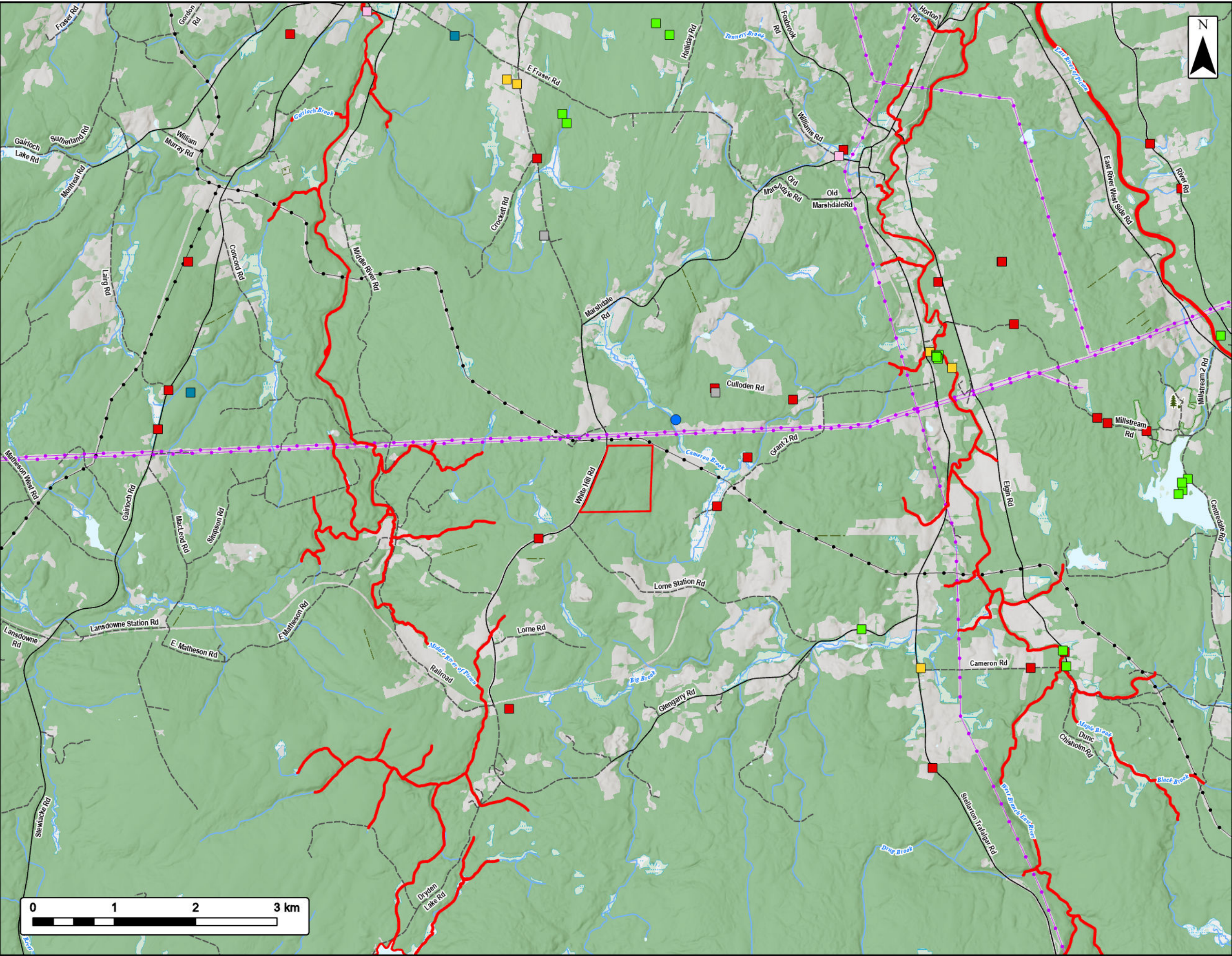
Road

Unpaved Road

Coordinate System: NAD 1983 CSRS UTM Zone 20N

Sources: Sources: Esri, Maxar, Airbus DS, USGS, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatasystemen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap, and the GIS user community, GeoNOVA, NSNRR, ACCDC, IBA Canada, CNWI, HERE, Garmin

|             |             |            |              |
|-------------|-------------|------------|--------------|
| Date:       | 2025-11-28  | Project #: | 25-12222     |
| Scale:      | 1:4,000     | Drawing #: | <b>10.1B</b> |
| Drawn By:   | K. Wallace  |            |              |
| Checked By: | M. Juurlink |            |              |



### Fast Acting Natural Gas Power Generation Facility - Marshdale

Flora and Fauna Desktop Results

Project Area

ACDC Pt. Data

- Invertebrate Fauna
- Vertebrate Fauna - Bird
- Vertebrate Fauna - Fish
- Vertebrate Fauna - Turtle
- Nonvascular Flora
- Vascular Flora
- Abandoned Mine Opening

Significant Habitat

- Species at Risk

Utilities (line)

- Existing Pipeline
- Existing Transmission Lines

Transportation

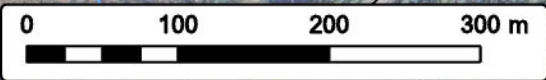
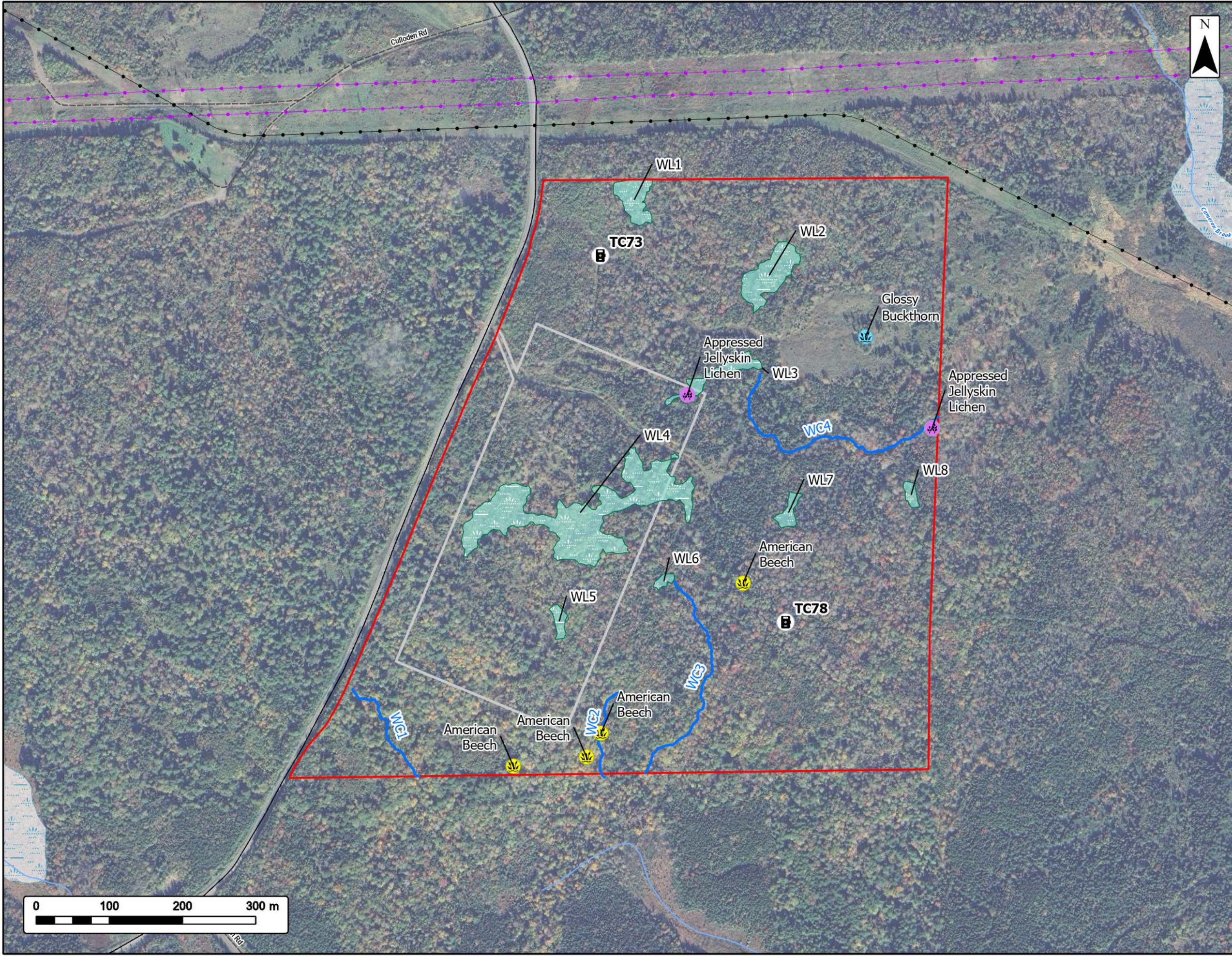
- Road
- Unpaved Road

Water Features

- Mapped Watercourse
- Mapped Lakes and Rivers
- Mapped Wetland

|             |             |            |          |
|-------------|-------------|------------|----------|
| Date:       | 2025-12-02  | Project #: | 25-12222 |
| Scale:      | 1:45,000    | Drawing #: | 10.2     |
| Drawn By:   | K. Wallace  |            |          |
| Checked By: | M. Juurlink |            |          |





**Fast Acting Natural Gas Power  
Generation Facility - Marshdale**  
*Flora and Fauna Field Results*



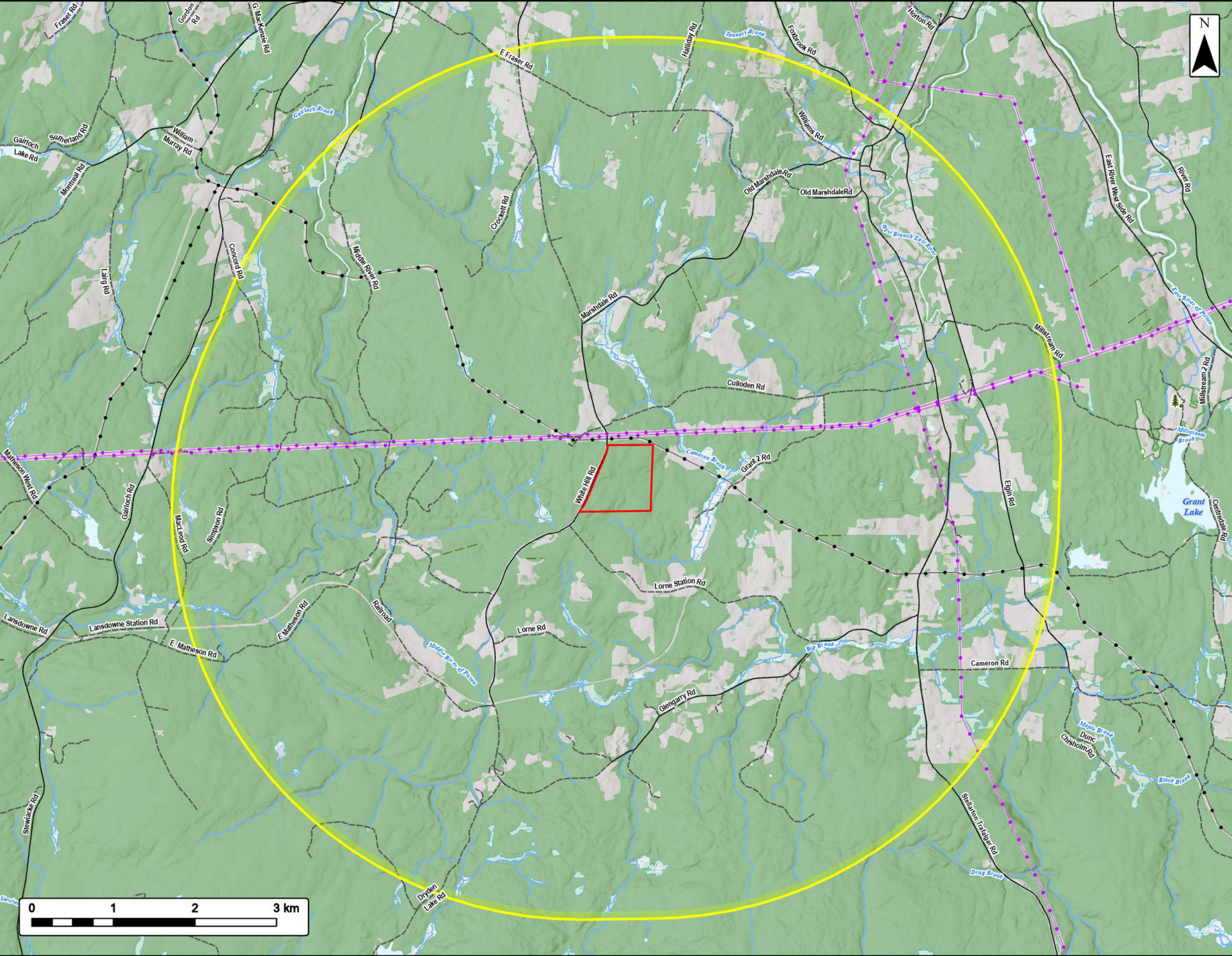
|                                   |  |
|-----------------------------------|--|
| Project Area                      |  |
| Project Footprint                 |  |
| Trail Camera Location             |  |
| American Beech (S354)             |  |
| Appressed Jellyskin Lichen (S354) |  |
| Glossy Buckthorn (SNA)            |  |
| Field Delineated Watercourse      |  |
| Field Delineated Wetland          |  |
| <b>Utilities (line)</b>           |  |
| Existing Pipeline                 |  |
| Existing Transmission Lines       |  |
| <b>Transportation</b>             |  |
| Road                              |  |
| Unpaved Road                      |  |
| <b>Water Features</b>             |  |
| Mapped Watercourse                |  |
| Mapped Wetland                    |  |



Coordinate System: NAD 1983 CGRS UTM Zone 20N  
Sources: © OpenStreetMap (and) contributors, CC-BY-SA, GeoNOVA, NSNRR, ACCDC, IBA Canada, CNWI, HERE, Garmin

|             |             |            |             |
|-------------|-------------|------------|-------------|
| Date:       | 2025-12-02  | Project #: | 25-12222    |
| Scale:      | 1:5,000     | Drawing #: | <b>10.3</b> |
| Drawn By:   | K. Wallace  |            |             |
| Checked By: | M. Juurlink |            |             |





**Fast Acting Natural Gas Power  
Generation Facility - Marshdale**  
*Fauna and Flora LAA*



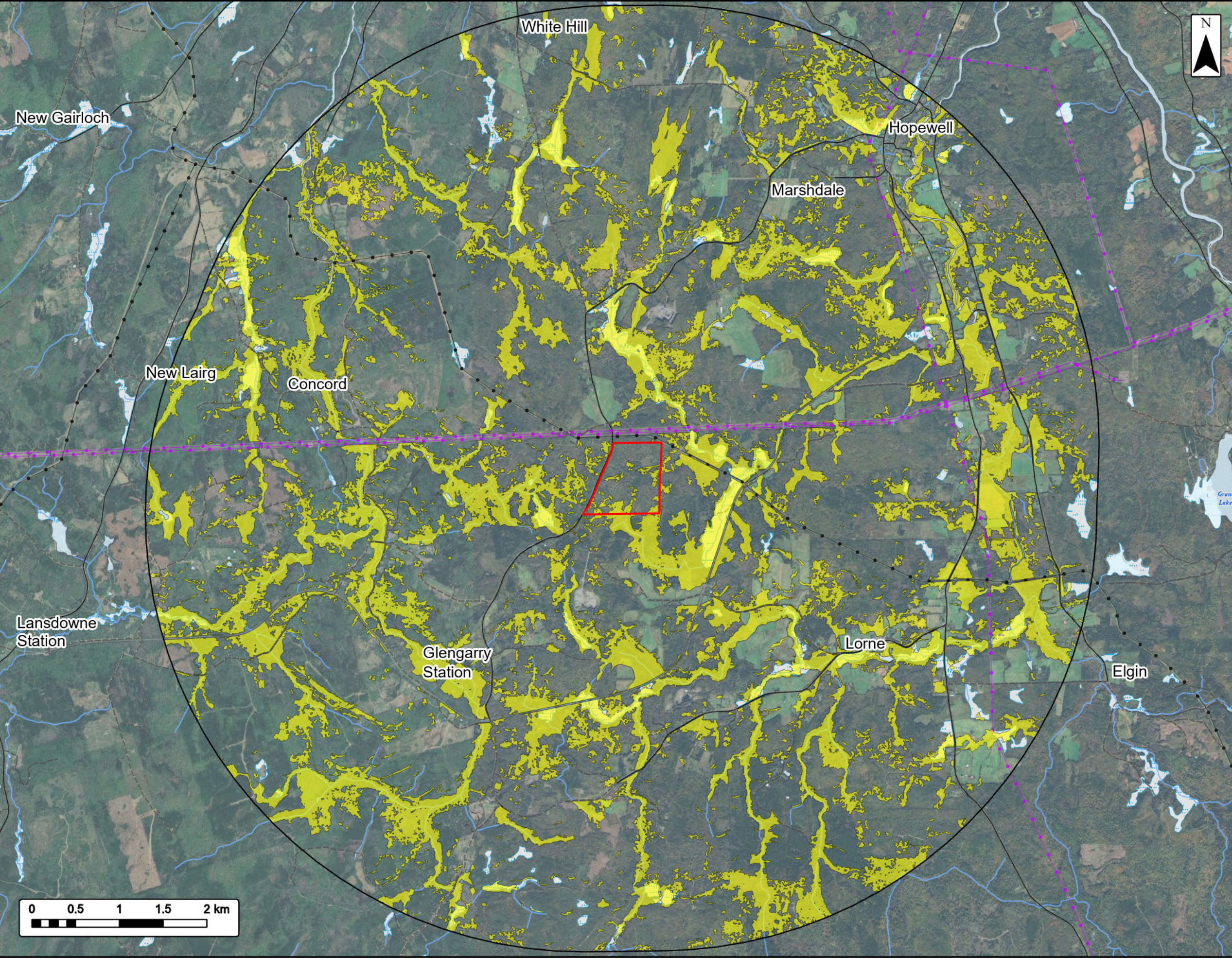
- Study Area 
- Fauna and Flora LAA 
- Utilities (line)**
- Existing Pipeline 
- Existing Transmission Lines 
- Transportation**
- Road 
- Unpaved Road 
- Water Features**
- Mapped Watercourse 
- Mapped Lakes and Rivers 
- Mapped Wetland 



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

|             |             |            |             |
|-------------|-------------|------------|-------------|
| Date:       | 2025-12-02  | Project #: | 25-12222    |
| Scale:      | 1:45,000    | Drawing #: | <b>10.4</b> |
| Drawn By:   | K. Wallace  |            |             |
| Checked By: | M. Juurlink |            |             |





### Fast Acting Natural Gas Power Generation Facility - Marshdale

Potential Sensitive Flora Habitat Desktop Results

Project Area

LAA

Potential Sensitive Flora Habitat

Utilities (line)

Existing Pipeline

Existing Transmission Lines

Transportation

Road

Unpaved Road

Water Features

Mapped Watercourse

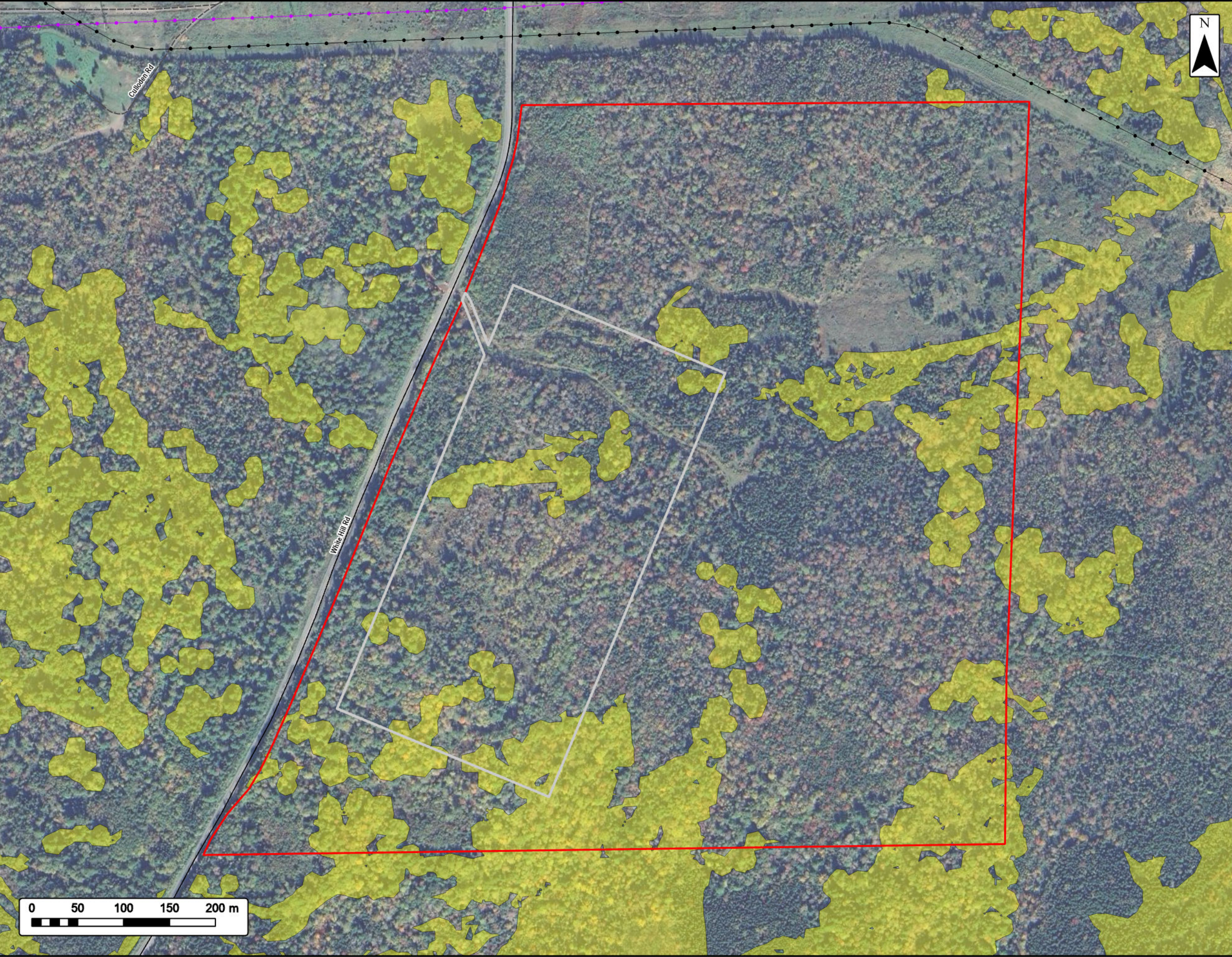
Mapped Lakes and Rivers

Mapped Wetland

Coordinate System: NAD 1983 CSRS UTM Zone 20N

Sources: © OpenStreetMap (and) contributors, CC-BY-SA, GeoNOVA, NSNRR, ACCDC, IBA Canada, CNWI, HERE, Garmin

|             |              |            |          |
|-------------|--------------|------------|----------|
| Date:       | 2025-12-02   | Project #: | 25-12222 |
| Scale:      | 1:42,000     | Drawing #: | 10.5A    |
| Drawn By:   | P. Opra      |            |          |
| Checked By: | M. MacDonald |            |          |



**Fast Acting Natural Gas Power  
Generation Facility - Marshdale**  
*Potential Sensitive Flora Habitat Desktop Results*



Project Area 

Project Footprint 

Potential Sensitive Flora Habitat 

**Utilities (line)**

Existing Pipeline 

Existing Transmission Lines 

**Transportation**

Road 

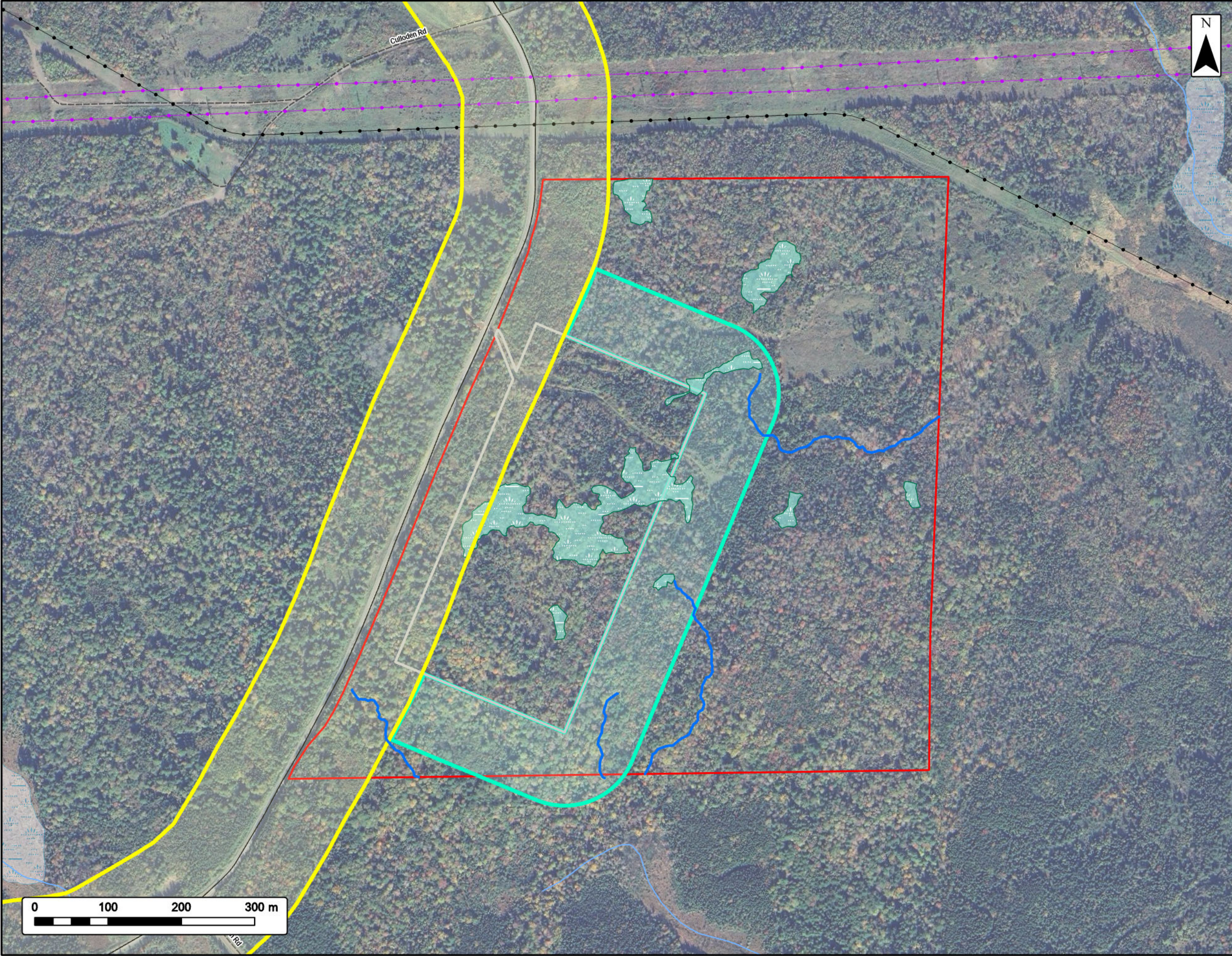
Unpaved Road 



Coordinate System: NAD 1983 CSRS UTM Zone 20N  
Sources: © OpenStreetMap (and) contributors, CC-BY-SA, GeoNOVA, NSNRR, ACCDC, IBA Canada, CNWI, HERE, Garmin

|             |              |            |          |
|-------------|--------------|------------|----------|
| Date:       | 2025-12-02   | Project #: | 25-12222 |
| Scale:      | 1:4,000      | Drawing #: | 10.5B    |
| Drawn By:   | P. Opra      |            |          |
| Checked By: | M. MacDonald |            |          |





**Fast Acting Natural Gas Power  
Generation Facility - Marshdale**  
*Estimated Extent of Edge Effects*



- Project Area
- Project Footprint (anticipated clearing area)
- Estimated Extent of Edge Effects
- Existing Edge Effects
- Field Delineated Watercourse
- Field Delineated Wetland
- Utilities (line)**
- Existing Pipeline
- Existing Transmission Lines
- Transportation**
- Road
- Unpaved Road
- Water Features**
- Mapped Watercourse
- Mapped Wetland



Coordinate System: NAD 1983 CSRS UTM Zone 20N  
Sources: © OpenStreetMap (and) contributors, CC-BY-SA, GeoNOVA, NSNRR, ACCDC, IBA Canada, CNWI, HERE, Garmin

|             |             |            |             |
|-------------|-------------|------------|-------------|
| Date:       | 2025-12-10  | Project #: | 25-12222    |
| Scale:      | 1:5,000     | Drawing #: | <b>10.6</b> |
| Drawn By:   | K. Wallace  |            |             |
| Checked By: | M. Juurlink |            |             |

