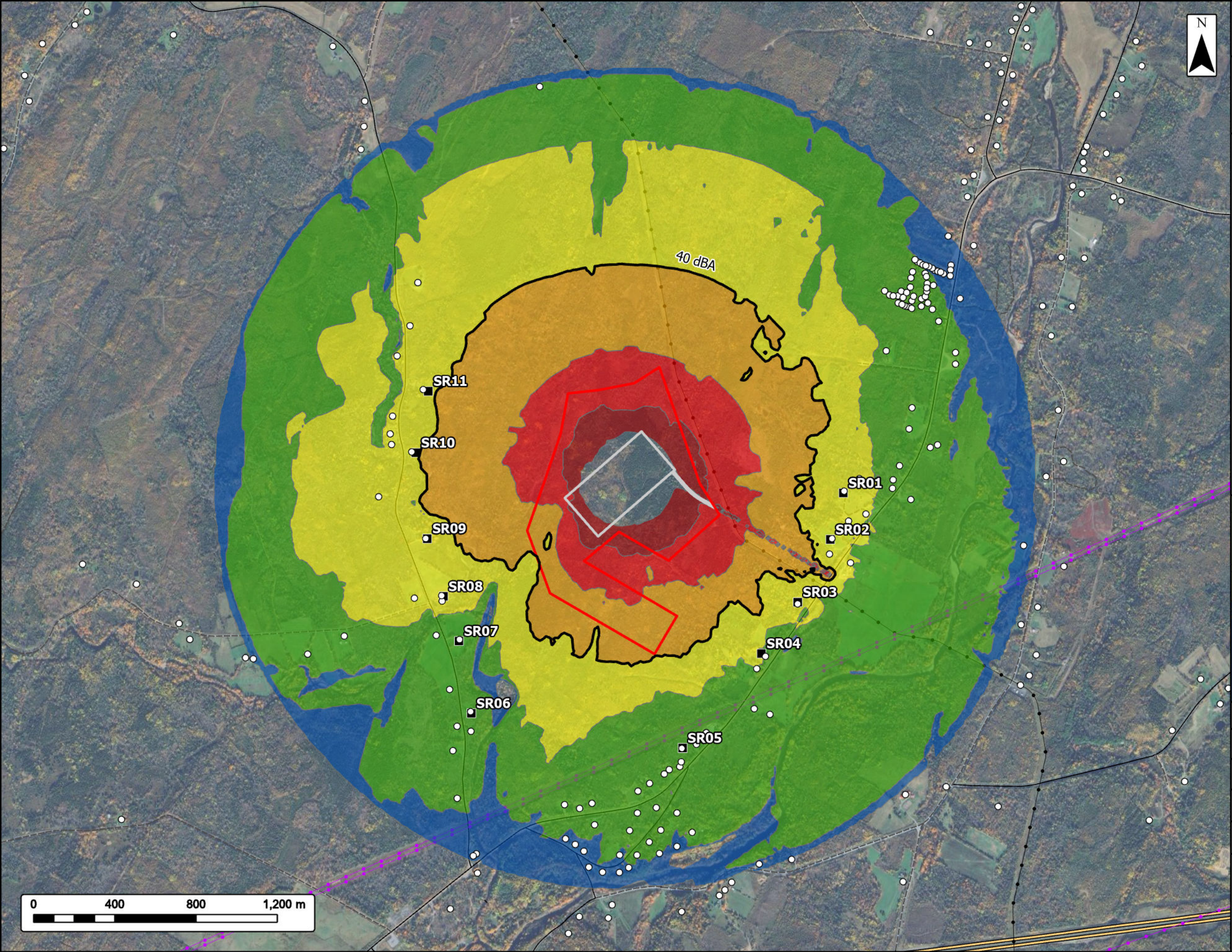




Fast Acting Natural Gas Power Generation Facility - Salt Springs

Noise Model

Project Area

Project Footprint

Receptor

Modelled Receptor

Permissible Overnight Sound Level for a Rural Area (40 dBA)

Noise Contour (dBA)

25 - 30

30 - 35

35 - 40

40 - 45

45 - 50

50 - 55

Utilities (line)

Existing Pipeline

Existing Transmission Lines

Transportation

Trans-Canada Highway

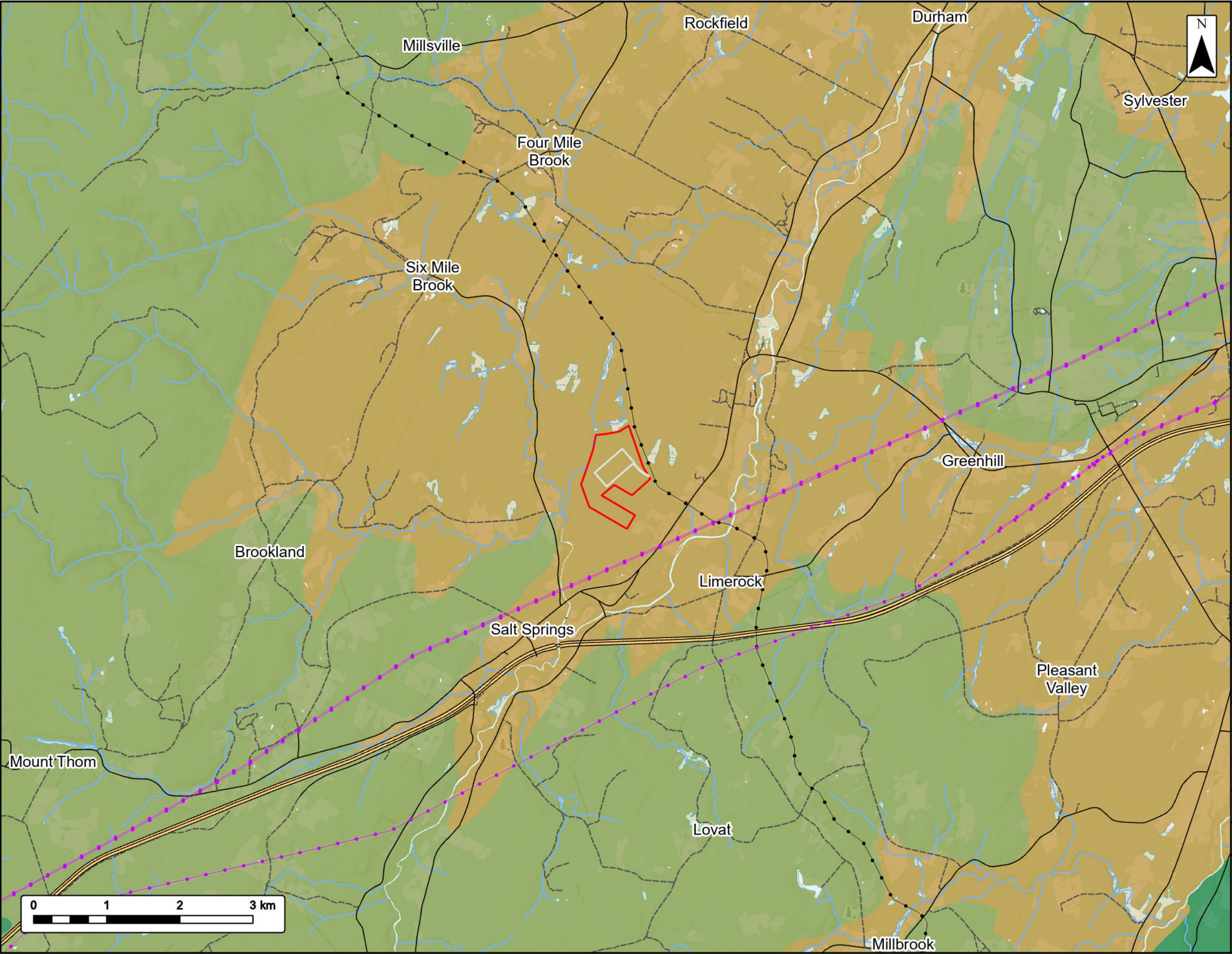
Road

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:	2025-12-11	Project #:	25-12223
Scale:	1:18,000	Drawing #:	7.5
Drawn By:	K. Wallace		
Checked By:	R. Hearn		



Fast Acting Natural Gas Power Generation Facility - Salt Springs

Ecodistricts and Ecoregions

Project Area

Project Footprint

Nova Scotia Uplands Ecoregion

340 Cobequid Hills Ecodistrict

380 Central Uplands Ecodistrict

Northumberland/Bras D'Or Ecoregion

530 Northumberland Lowlands Ecodistrict

Utilities (line)

Existing Pipeline

Existing Power Transmission Lines

Transportation

Trans-Canada Highway

Road

Unpaved Road

Water Features

Mapped Watercourse

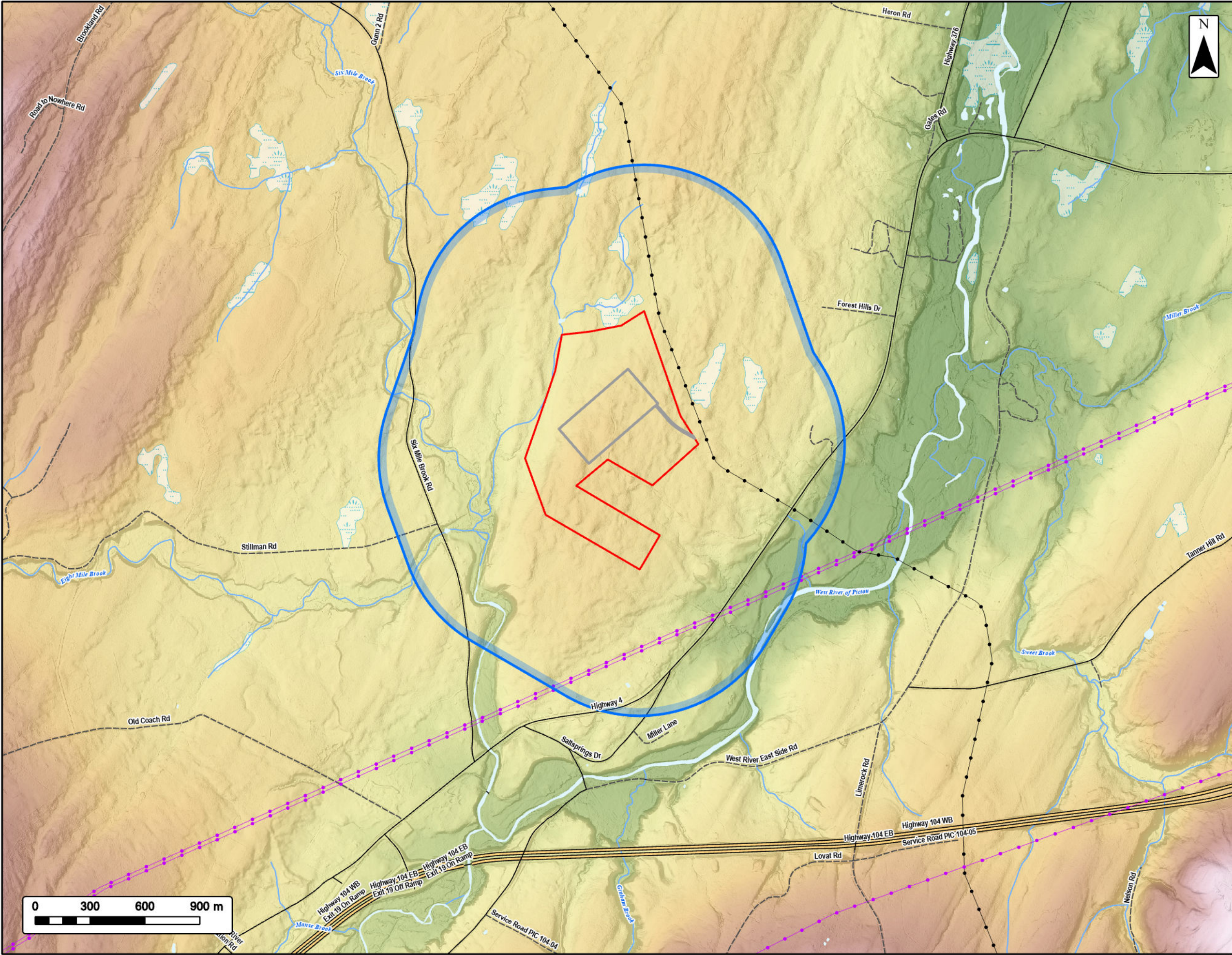
Mapped Lakes and Rivers

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:	2025-12-01	Project #:	25-12223
Scale:	1:50,000	Drawing #:	8.1
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		



**Fast Acting Natural Gas Power
Generation Facility - Salt Springs**
Geomorphology



Project Area

Project Footprint

Geophysical LAA

Elevation (m)
221.89

6.77

Utilities (line)
Existing Pipeline
Existing Transmission Lines

Transportation
Trans-Canada Highway
Road
Unpaved Road

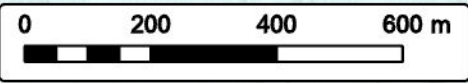
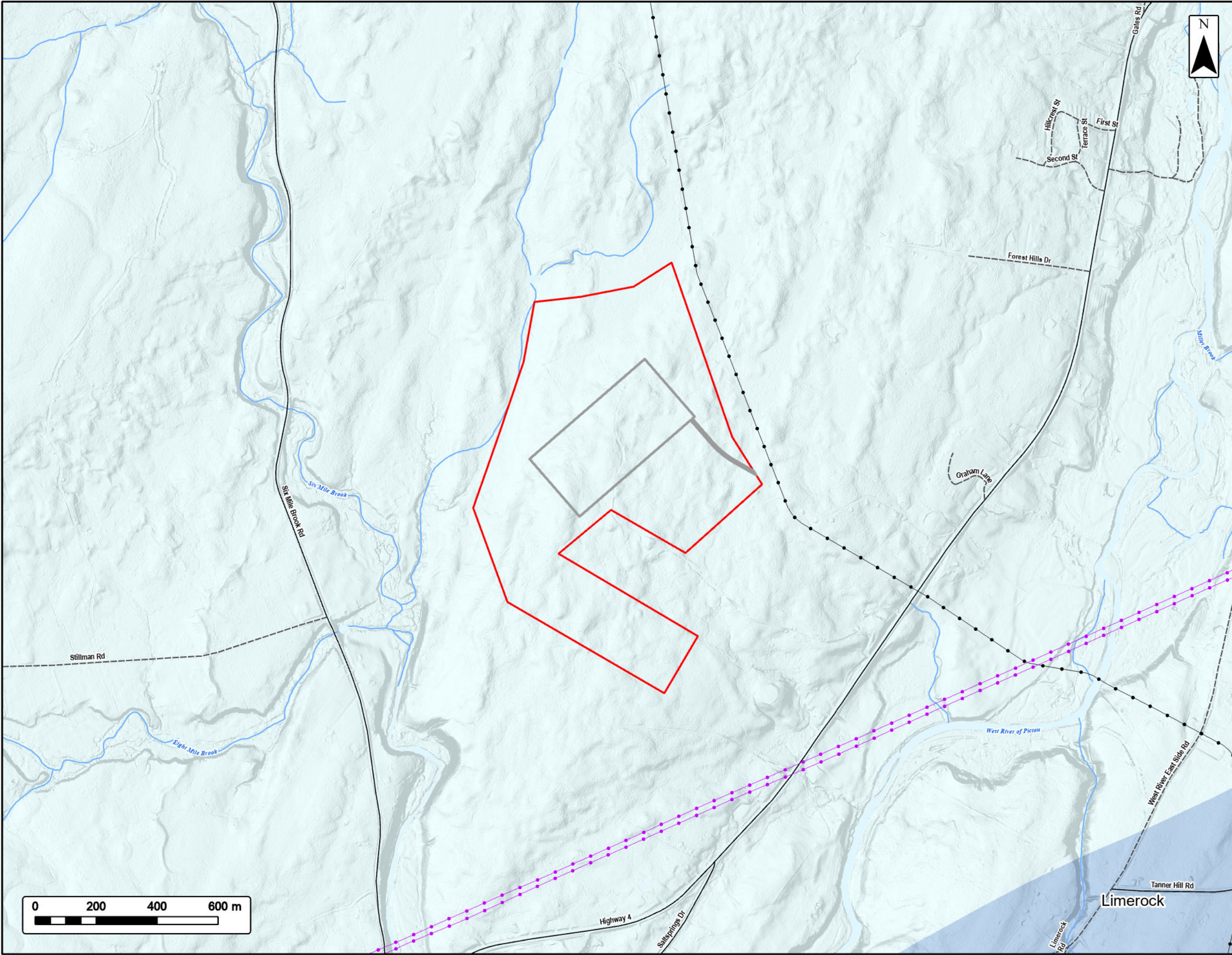
Water Features
Mapped Watercourse
Mapped Lakes and Rivers
Mapped Wet Areas



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

Date:	2025-12-01	Project #:	25-12223
Scale:	1:20,000	Drawing #:	8.2
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		





Fast Acting Natural Gas Power Generation Facility - Salt Springs

Karst Risk



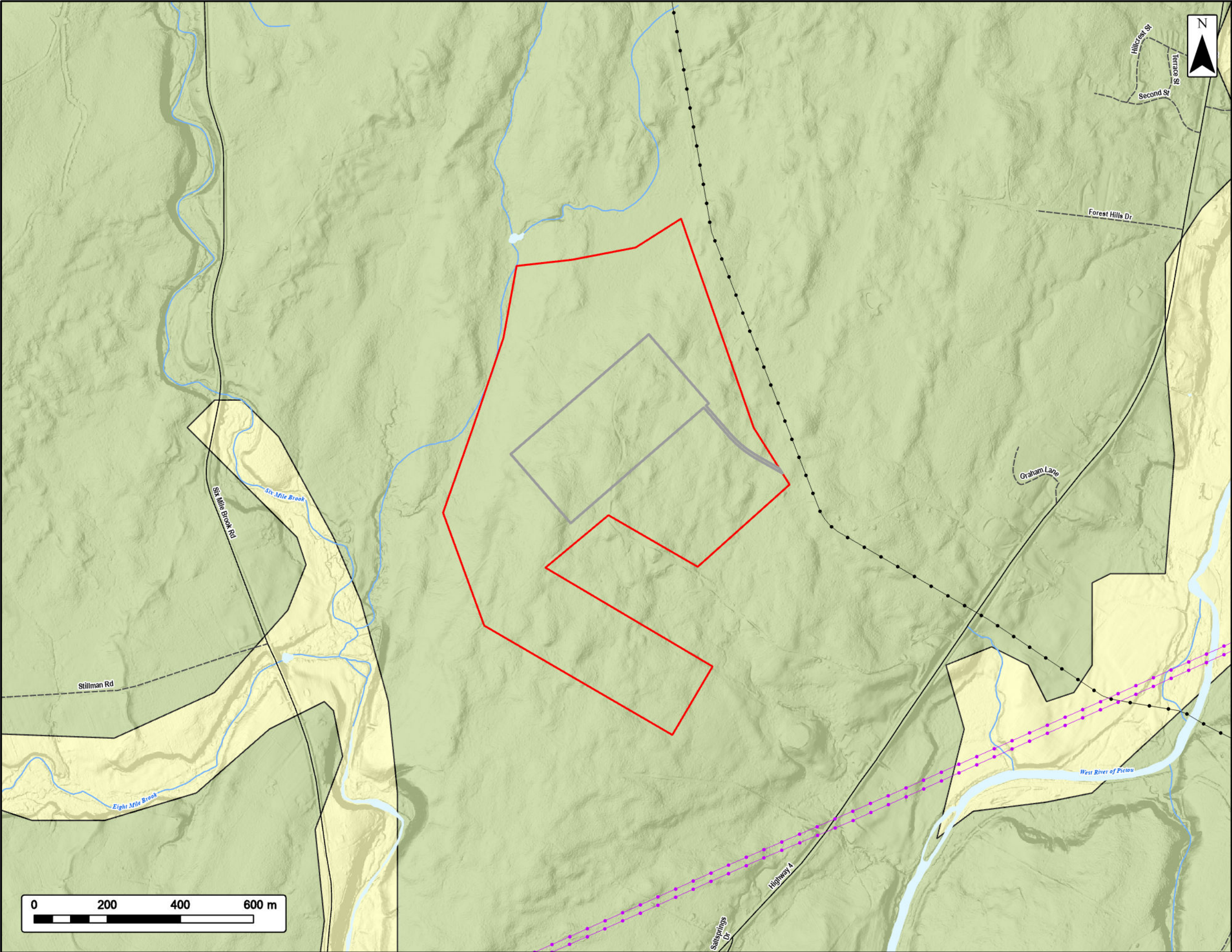
- Project Area
- Project Footprint
- Karst Risk**
- Medium Risk
- Low Risk
- Utilities (line)**
- Existing Pipeline
- Existing Transmission Lines
- Transportation**
- Road
- Unpaved Road
- Water Features**
- Mapped Watercourse
- Mapped Lakes and Rivers



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

Date:	2025-12-01	Project #:	25-12223
Scale:	1:12,000	Drawing #:	8.3
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		





Fast Acting Natural Gas Power Generation Facility - Salt Springs

Surficial Geology

Project Area

Project Footprint

Surficial Geology By Unit

Alluvial Deposits

Silty Till Plain

Utilities (line)

Existing Pipeline

Existing Transmission Lines

Transportation

Road

Unpaved Road

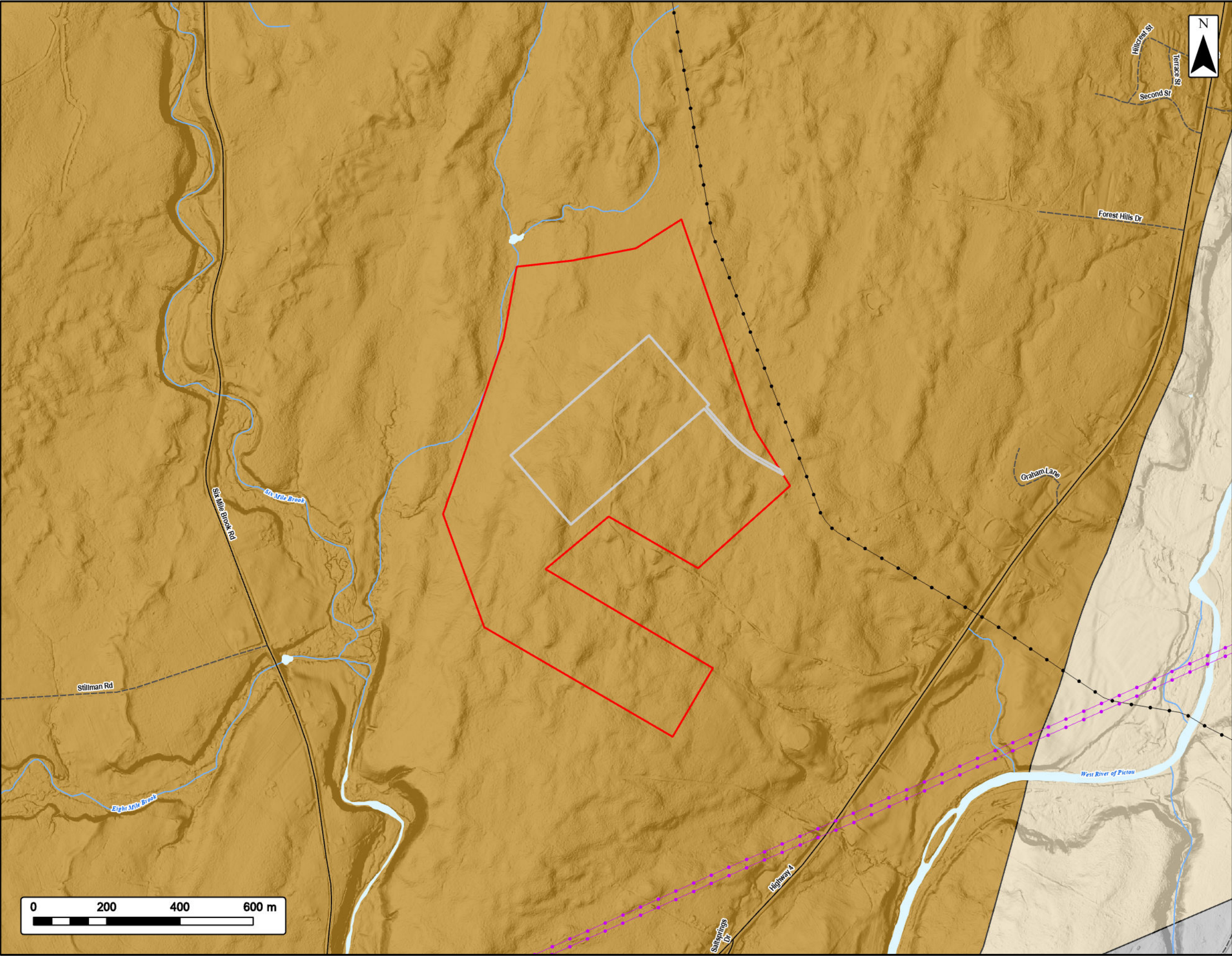
Water Features

Mapped Watercourse

Mapped Lakes and Rivers

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

Date:	2025-12-01	Project #:	25-12223
Scale:	1:10,000	Drawing #:	8.4
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		



**Fast Acting Natural Gas Power
Generation Facility - Salt Springs**
Bedrock Geology



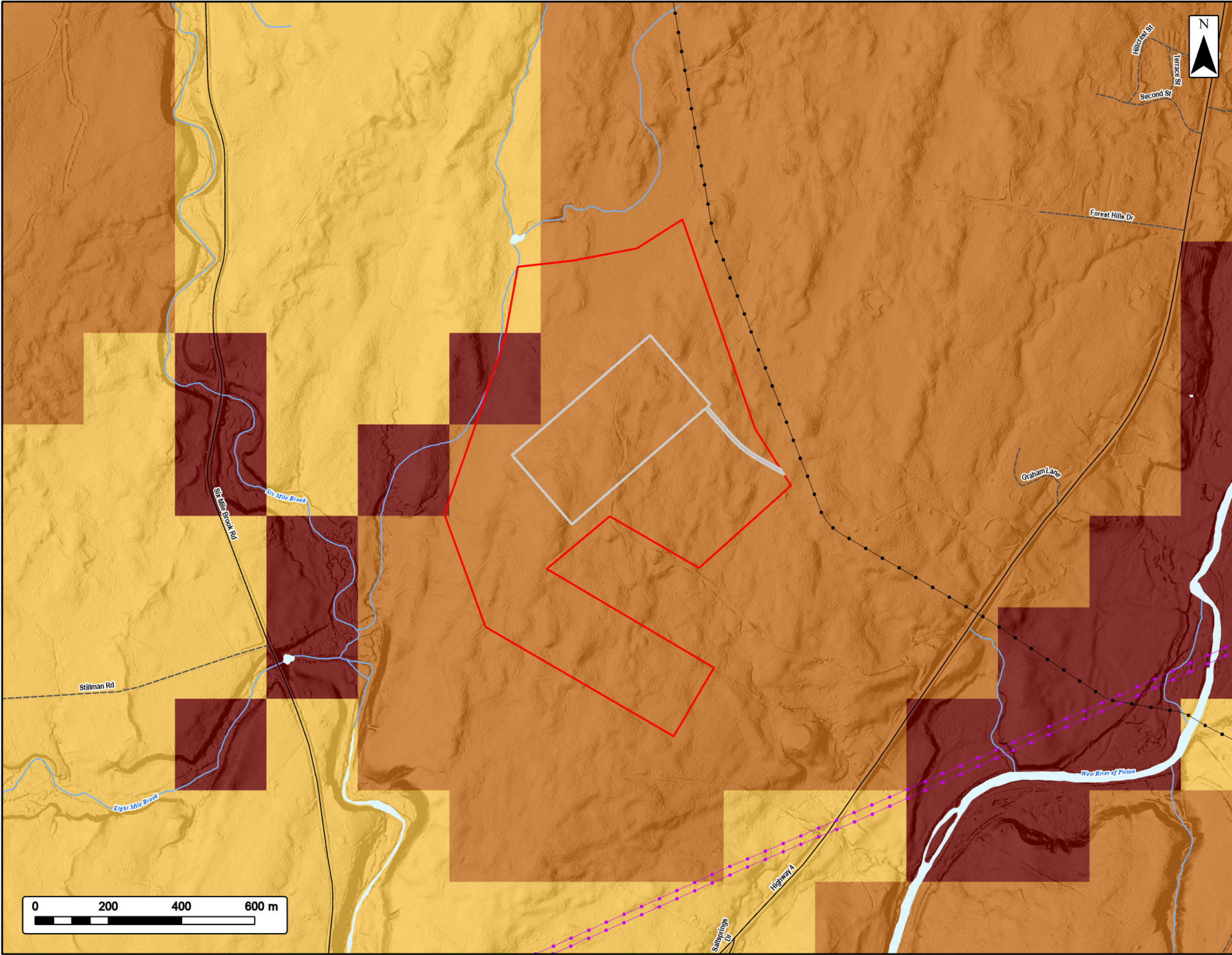
- Project Area 
- Project Footprint 
- Bedrock Geology By Formation**
- Middle River Formation 
- Boss Point Formation 
- Mabou Group 
- Utilities (line)**
- Existing Pipeline 
- Existing Transmission Lines 
- Transportation**
- Road 
- Unpaved Road 
- Water Features**
- Mapped Watercourse 
- Mapped Lakes and Rivers 



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

Date:	2025-12-01	Project #:	25-12223
Scale:	1:10,000	Drawing #:	8.5
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		





**Fast Acting Natural Gas Power
Generation Facility - Salt Springs**
Radon Potential



Project Area 

Project Footprint 

Radon Potential

High 

Medium 

Low 

Utilities (line)

Existing Pipeline 

Existing Transmission Lines 

Transportation

Road 

Unpaved Road 

Water Features

Mapped Watercourse 

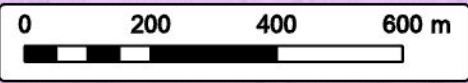
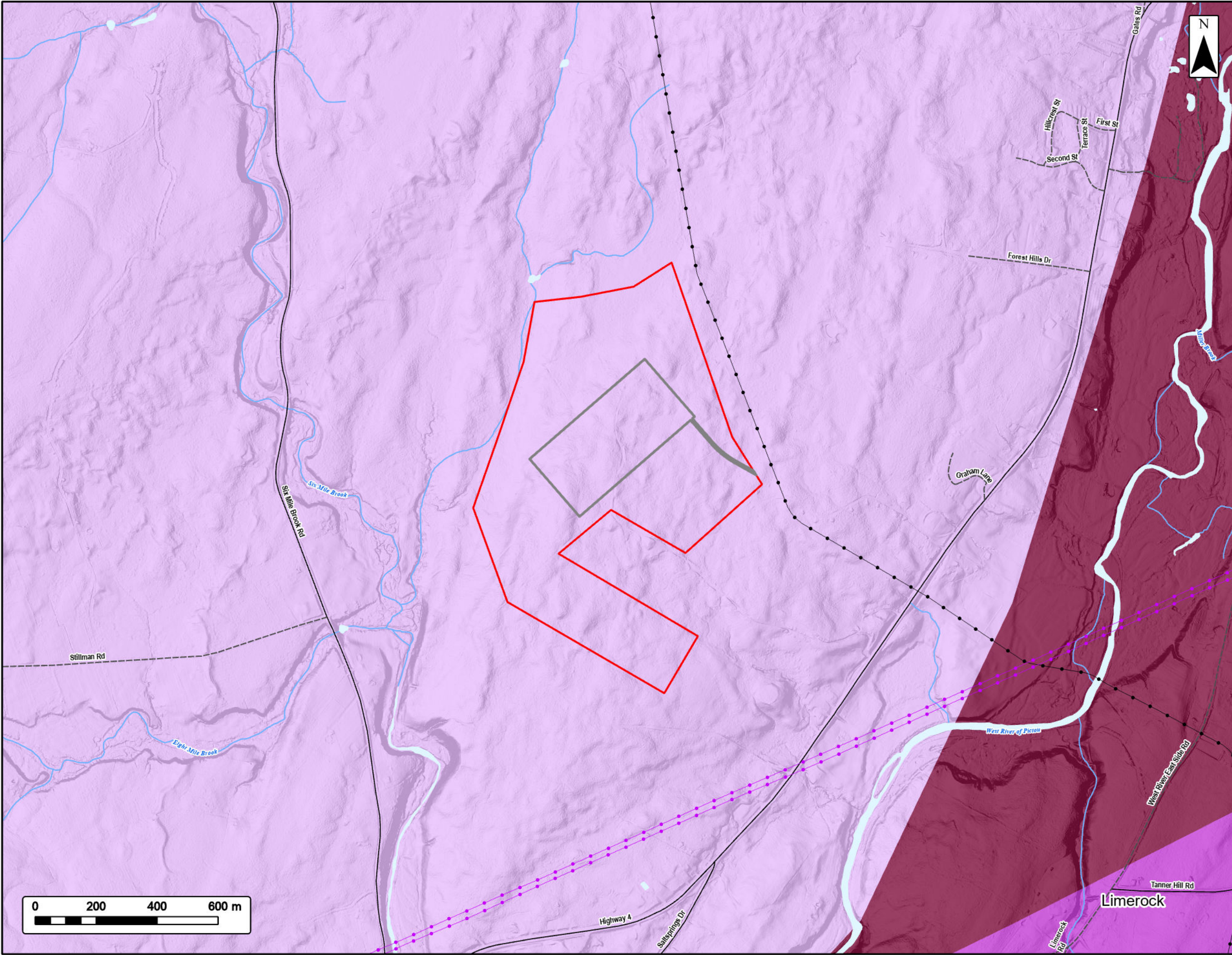
Mapped Lakes and Rivers 



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

Date:	2025-12-02	Project #:	25-12223
Scale:	1:10,000	Drawing #:	8.6
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		





Fast Acting Natural Gas Power Generation Facility - Salt Springs

Arsenic Risk



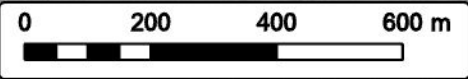
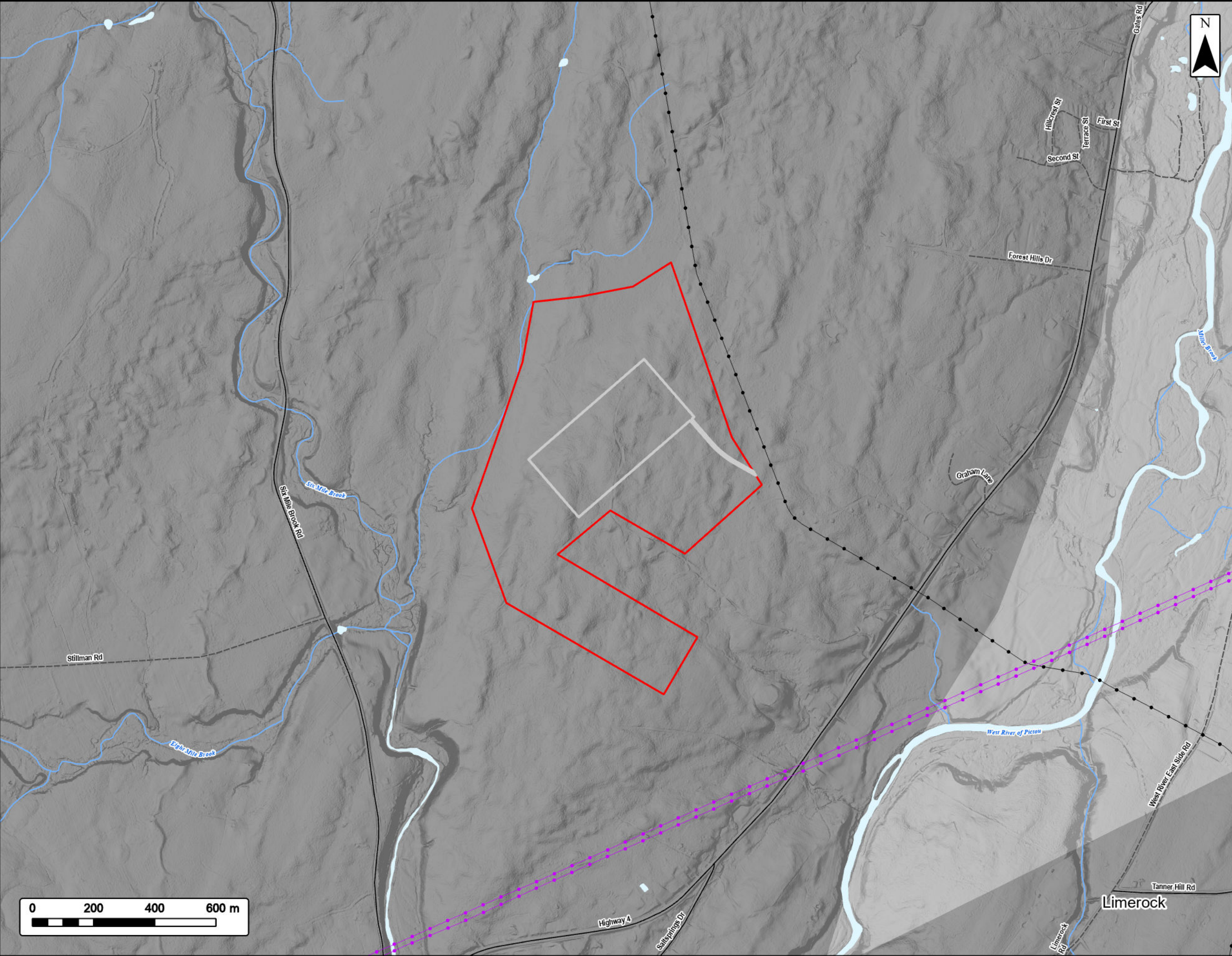
- Project Area
- Project Footprint
- Arsenic Risk**
 - High Risk
 - Medium Risk
 - Low Risk
- Utilities (line)**
 - Existing Pipeline
 - Existing Transmission Lines
- Transportation**
 - Road
 - Unpaved Road
- Water Features**
 - Mapped Watercourse
 - Mapped Lakes and Rivers



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

Date:	2025-12-02	Project #:	25-12223
Scale:	1:12,000	Drawing #:	8.7
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		





**Fast Acting Natural Gas Power
Generation Facility - Salt Springs**
Manganese Risk



Project Area

Project Footprint

Manganese Risk

High

Medium

Utilities (line)

Existing Pipeline

Existing Transmission Lines

Transportation

Road

Unpaved Road

Water Features

Mapped Watercourse

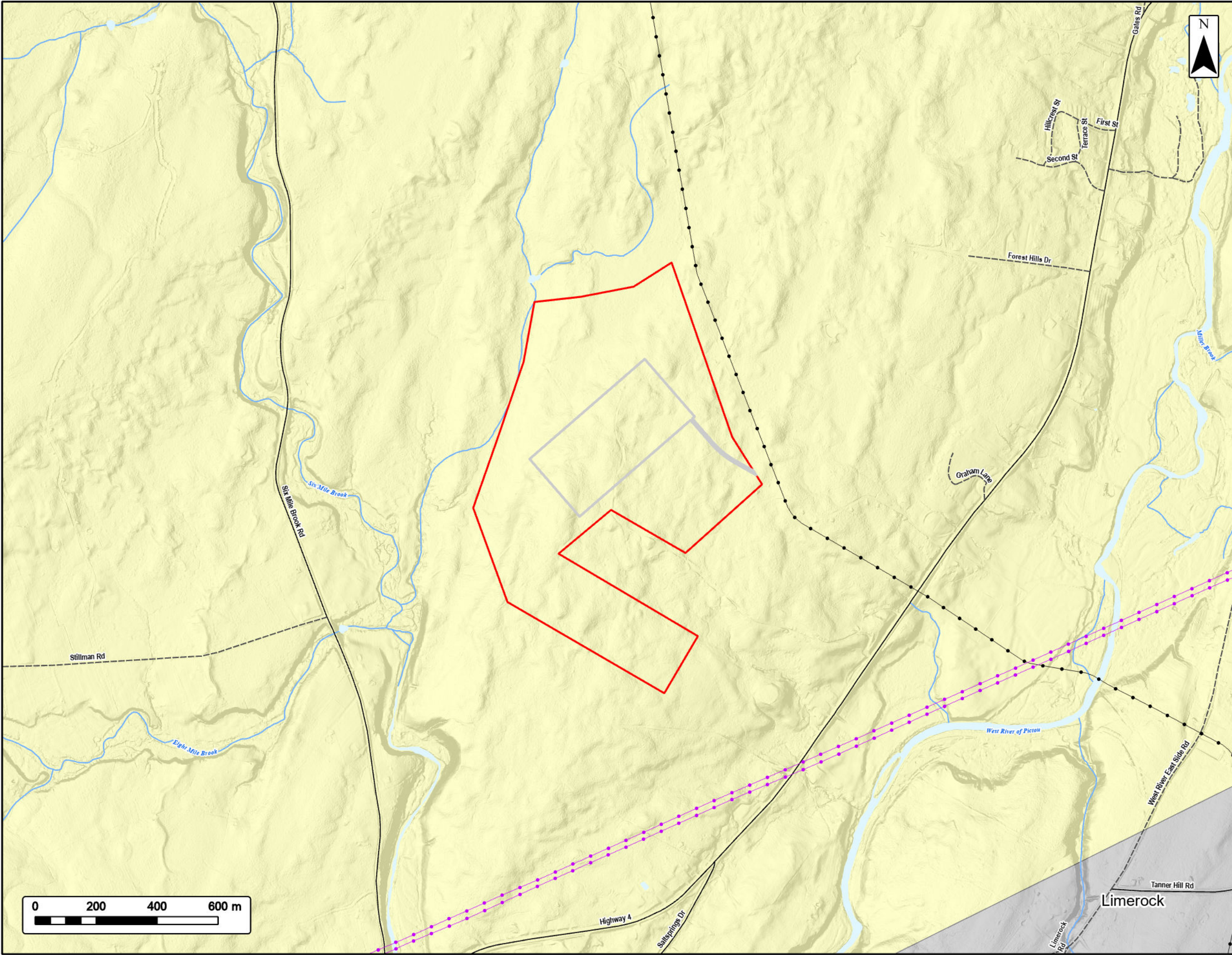
Mapped Lakes and Rivers



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

Date:	2025-12-02	Project #:	25-12223
Scale:	1:12,000	Drawing #:	8.8
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		





**Fast Acting Natural Gas Power
Generation Facility - Salt Springs**
Uranium Risk



Project Area

Project Footprint

Uranium Risk

Medium

Low

Utilities (line)

Existing Pipeline

Existing Transmission Lines

Transportation

Road

Unpaved Road

Water Features

Mapped Watercourse

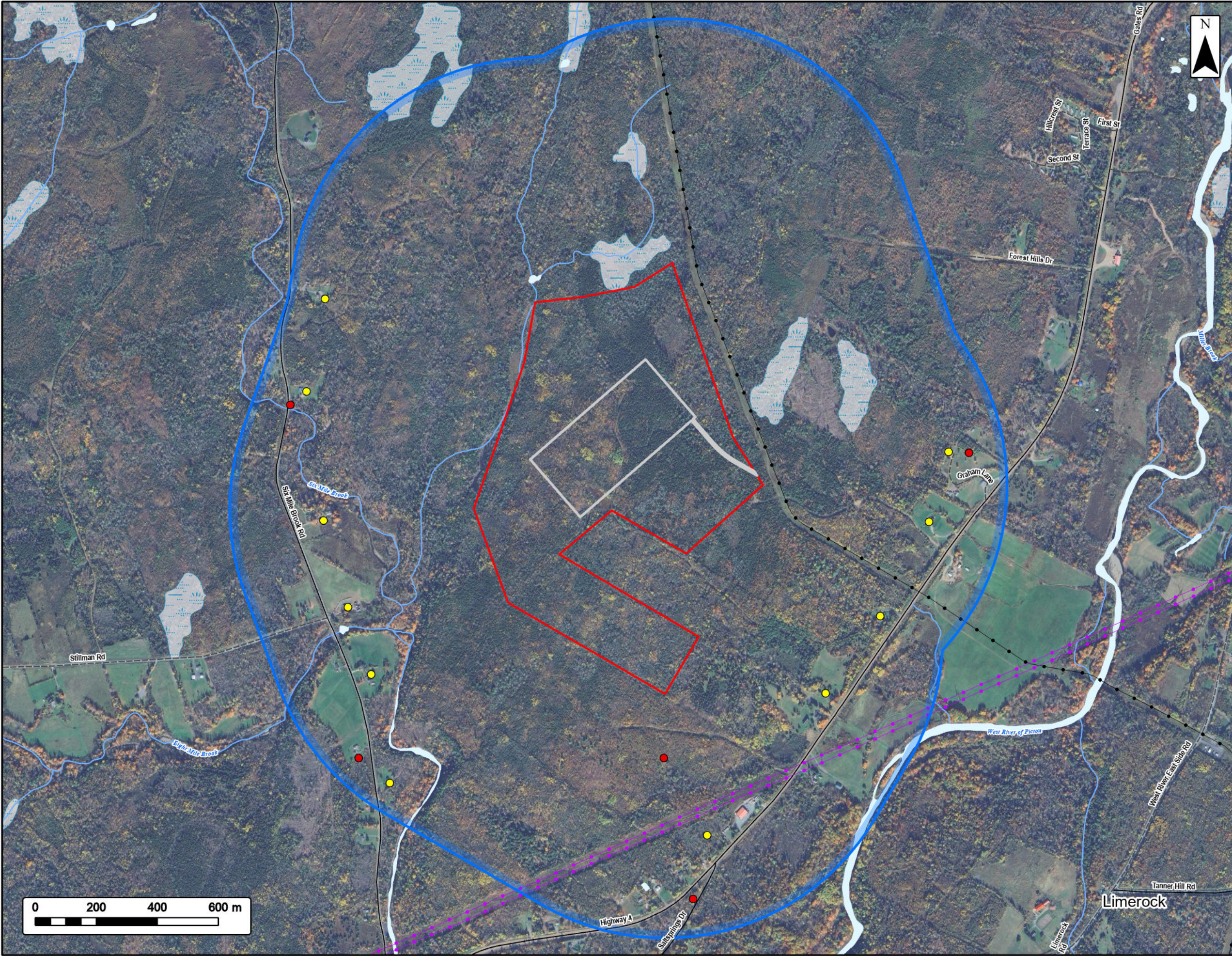
Mapped Lakes and Rivers



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

Date:	2025-12-02	Project #:	25-12223
Scale:	1:12,000	Drawing #:	8.9
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		





**Fast Acting Natural Gas Power
Generation Facility - Salt Springs**
Groundwater Wells



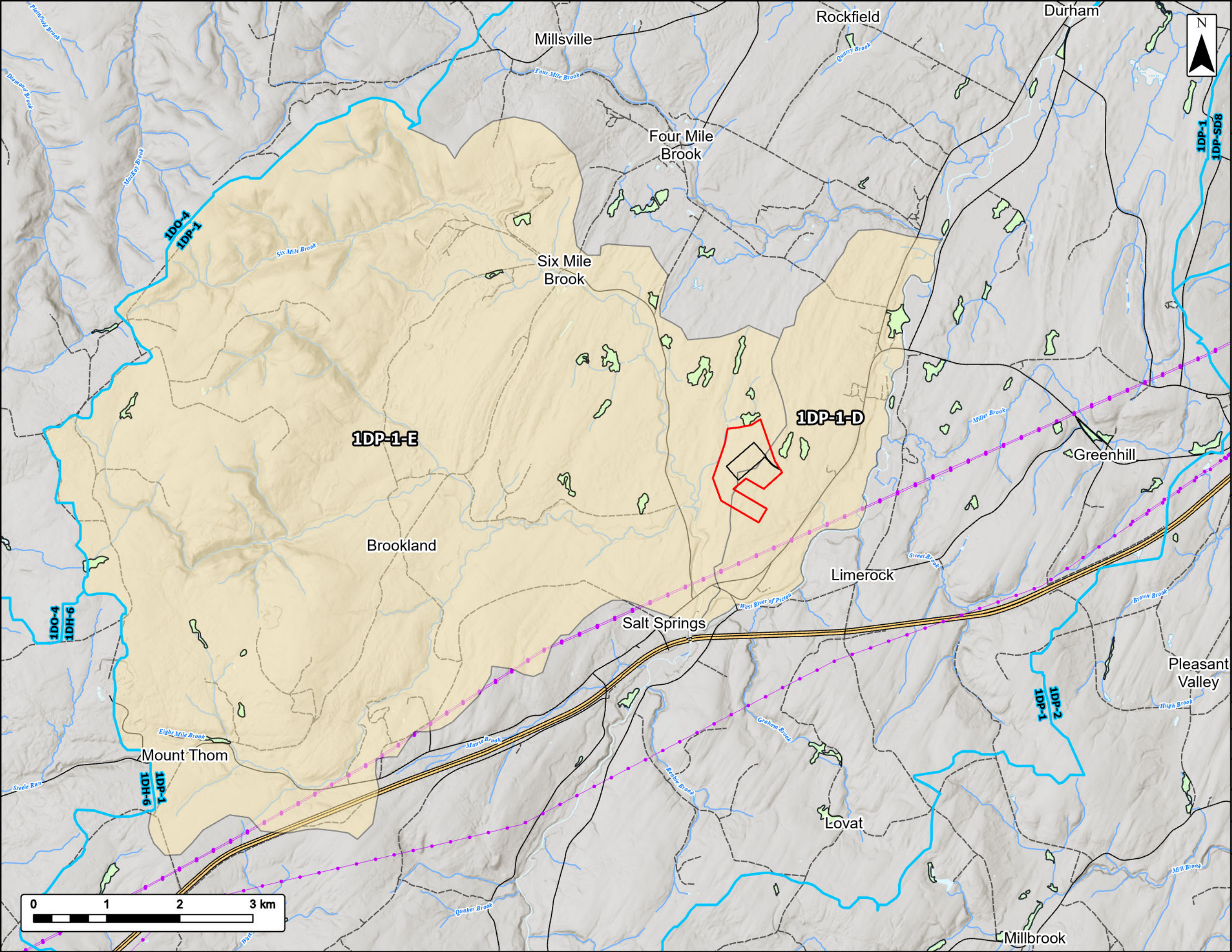
- Project Area
- Project Footprint
- Drilled Well (NS Well Logs Database)
- Potential Wells (Receptors)
- Geophysical LAA
- Utilities (line)**
- Existing Pipeline
- Existing Transmission Lines
- Transportation**
- Road
- Unpaved Road
- Water Features**
- Mapped Watercourse
- Mapped Lakes and Rivers
- Mapped Wetland



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

Date:	2025-12-02	Project #:	25-12223
Scale:	1:12,000	8.10	Drawing #:
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		





Fast Acting Natural Gas Power Generation Facility - Salt Springs

Desktop Freshwater Aquatic Environment and LAA

Project Area

Project Footprint

Secondary Watershed Boundary

Tertiary Watershed (LAA)

NSNR Wetlands

Utilities (line)

Existing Power Transmission Lines

Transportation

Trans-Canada Highway

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, GeoNOVA, NSNRR, ACCDC, IBA Canada, CNWI, HERE, Garmin

Date:	2025-12-10	Project #:	25-12223
Scale:	1:50,000	Drawing #:	9.1
Drawn By:	K. Wallace		
Checked By:	M. Juurlink		