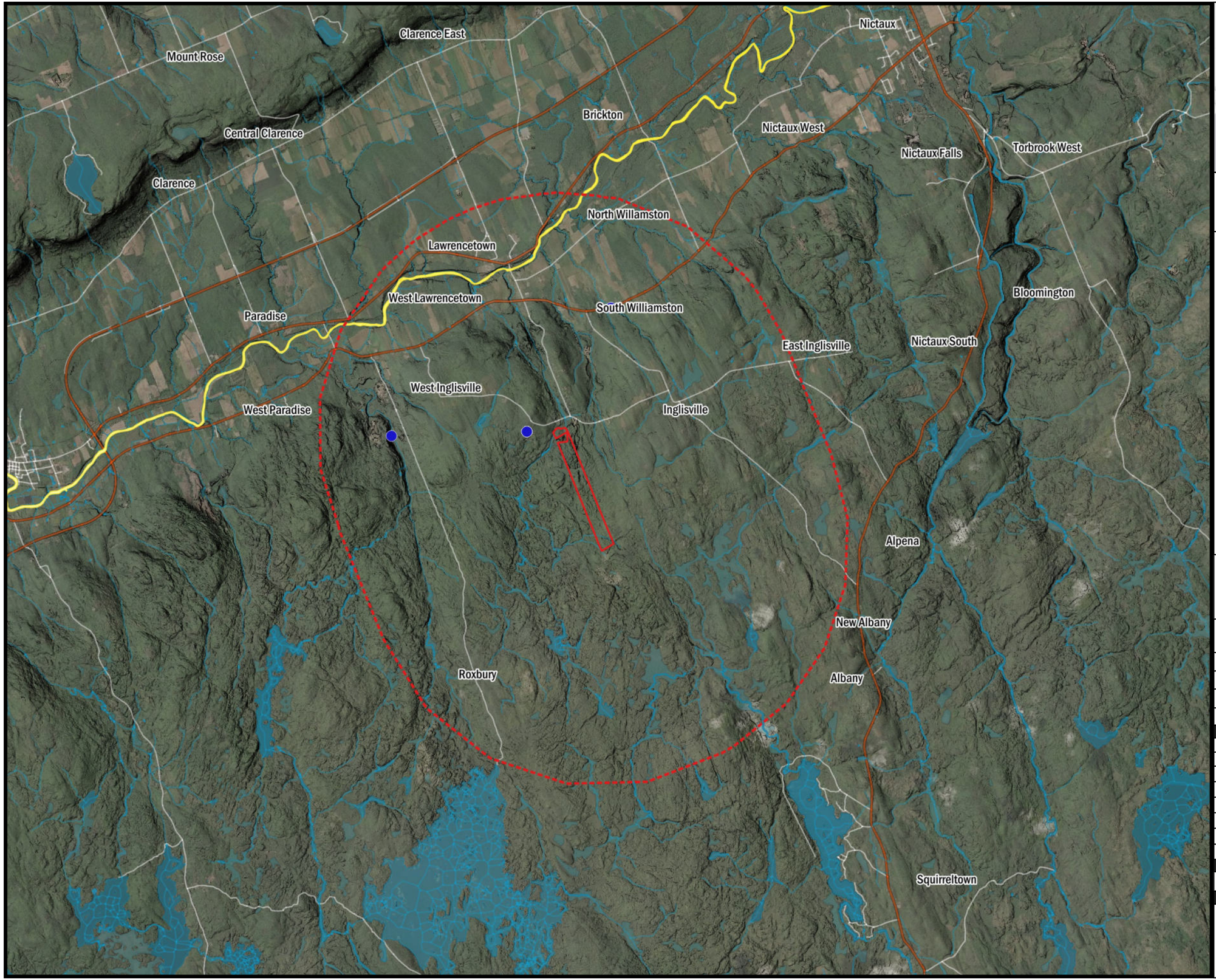




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ENVIRONMENTAL & GEOMATICS

- Project Site
- 5 km Buffer
- NSHN Water Lines
- ACCDC Aquatic Observations
- Atlantic Salmon (Nova Scotia Southern Upland population) Habitat

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Inglisville Road Pit Project

Fish and Aquatic Habitat Desktop Results

Project #: 2025-007	**Drawing:** **7.1.6.1**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-06-15

Revision or Issue

No.	Description	Date	By
00	Final Map	2026-06-15	CN

Notes

ACCDC records within 5 km of the Project

Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI World Imagery; ESRI Light Grey Base; NS LiDAR Hillshade
Sources: GeoNOVA; ACCDC (2025); Nova Scotia Hydrographic Network (NSHN)

Scale: 1:77,000 when printed at 11"x17"

0 1 2 km

N





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ENVIRONMENTAL & GEOMATICS

- Project Site
- Access Road
- Field Delineated Watercourses

Sampling Locations

- Water Quality Not Sampled
- Water Quality Sampled

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Inglisville Road Pit Project

Fish and Aquatic Habitat Sampling Locations

Project #: 2025-007	**Drawing:** **7.1.6.2**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-06-15

Revision or Issue

No.	Description	Date	By
00	Final Map	2026-06-15	CN

Notes

Due to drought conditions, water quality sampling could not be completed at all locations.

Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI World Imagery; ESRI Light Grey Base; ESRI Hybrid Reference Layer; NS LiDAR Hillshade
Sources: Nova Scotia Hydrographic Network (NSHN)

Scale: 1:11,000 when printed at 11"x17"

0 150 300 m

N



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ENVIRONMENTAL & GEOMATICS

- Project Site
- Sand & Gravel Deposits

Surficial Geologic Units

- Organic Deposits
- Alluvial Deposits
- Marine Deposits
- Glaciolacustrine Deposits
- Glaciofluvial Deposits (Outwash Fans)
- Glaciofluvial Deposits (Kames and Eskers)
- Hummocky Ground Morraine
- Stony Till Plain (Ground Moraine)
- Silty Till Plain (Ground Moraine)
- Silty Drumlin (Drumlin Facies)
- Residuum
- Bedrock
- Lakes

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Inglisville Road Pit Project

Surficial Geology

Project #: 2025-007	**Drawing:** **7.1.9.1**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-06-15

Revision or Issue

No.	Description	Date	By
00	Final Map	2026-06-15	CN

Notes

The Project Site is underlain by Glaciofluvial Deposits (Kames and Eskers), Silty Till Plain (Ground Moraine), and Stony Till Plain (Ground Moraine)

Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI Light Grey Base; NS LiDAR Hillshade
Sources: GeoNOVA; Nova Scotia Geoscience Atlas

Scale: 1:50,000 when printed at 11"x17"

0 0.5 1 km

N

North Willamston
Lawrencetown
West Lawrencetown
South Williamston
Paradise
East Inglisville
Nictaux South
West Inglisville
West Paradise
Inglisville
Alpena
New Albany
Roxbury
Albany



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ENVIRONMENTAL & GEOMATICS

Project Site

Bedrock Geologic Units

- Blomidon Formation: southern mainland
- Wolfville Formation: southern mainland
- Torbrook Formation
- White Rock Formation, primarily nearshore marine
- Goldenville Formation
- Middle - Late Devonian granodiorite
- Middle - Late Devonian biotite monzogranite
- Middle - Late Devonian muscovite biotite monzogranite
- Middle - Late Devonian fine-grained leucomonzogranite
- Middle - Late Devonian granitoid

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Inglisville Road Pit Project

Bedrock Geology

Project #: 2025-007	**Drawing:** **7.1.9.2**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-06-15

Revision or Issue

00	Final Map	2026-06-15	CN
No.	**Description**	**Date**	**By**

Notes

The Project Site is underlain by the Goldenville Formation, Middle-Late Devonian fine-grained leucomonzogranite, the White Rock Formation, and Middle-Late Devonian biotite monzogranite

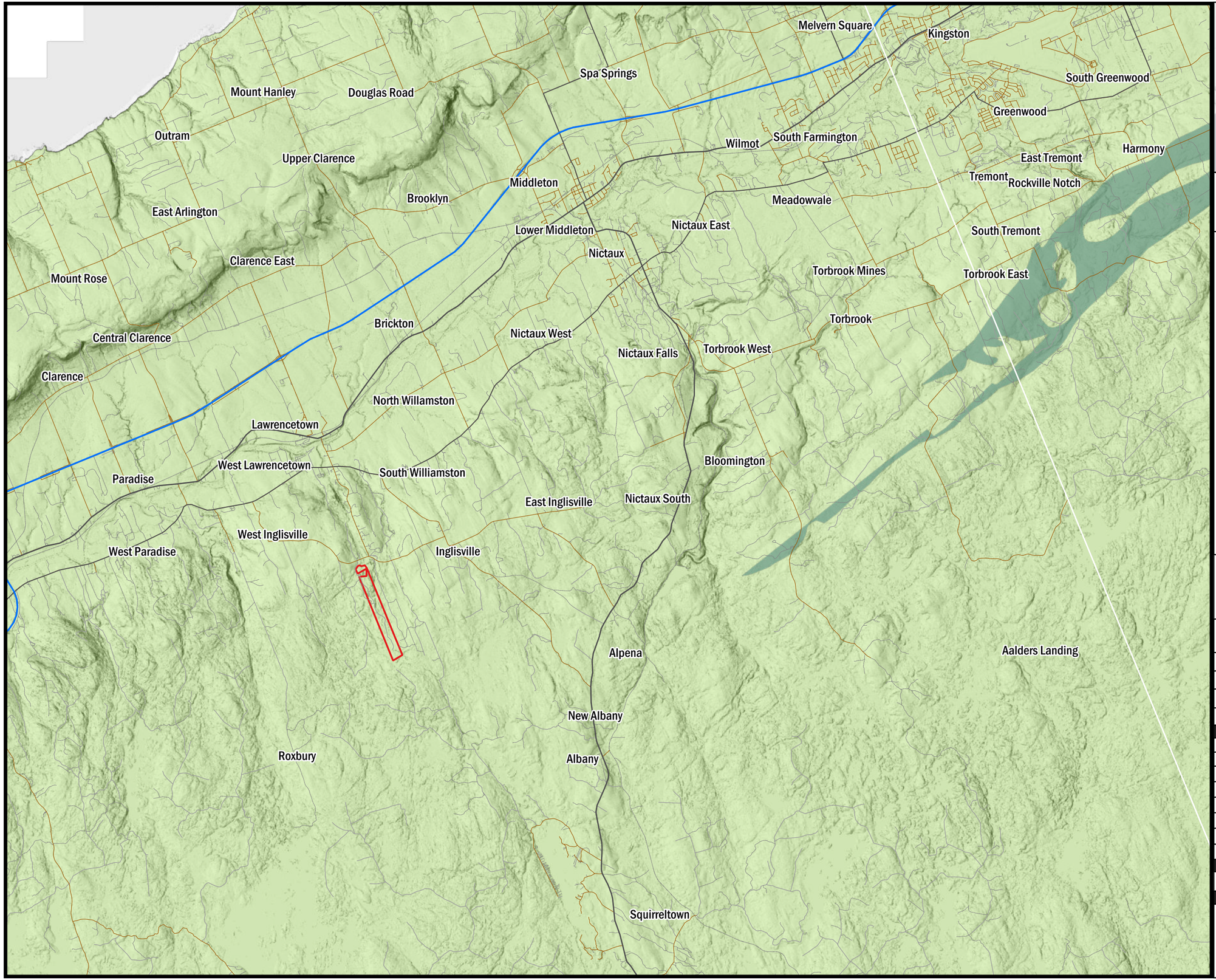
Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI Light Grey Base; NS LiDAR Hillshade
Sources: GeoNOVA; Nova Scotia Geoscience Atlas

Scale: 1:50,000 when printed at 11"x17"

0 0.5 1 km

N





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ENVIRONMENTAL & GEOMATICS

Project Site

Karst Risk

Low Risk

Sulphide-bearing Slates

Halifax Formation

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Inglisville Road Pit Project

Karst Risk and Sulphide-bearing Slates

Project #: 2025-007	**Drawing:** **7.1.9.3**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-06-15

Revision or Issue

No.	Description	Date	By
00	Final Map	2026-06-15	CN

Notes

The Project Site is located within a low-risk zone for karst topography does not contain any mapped sulphide-bearing units

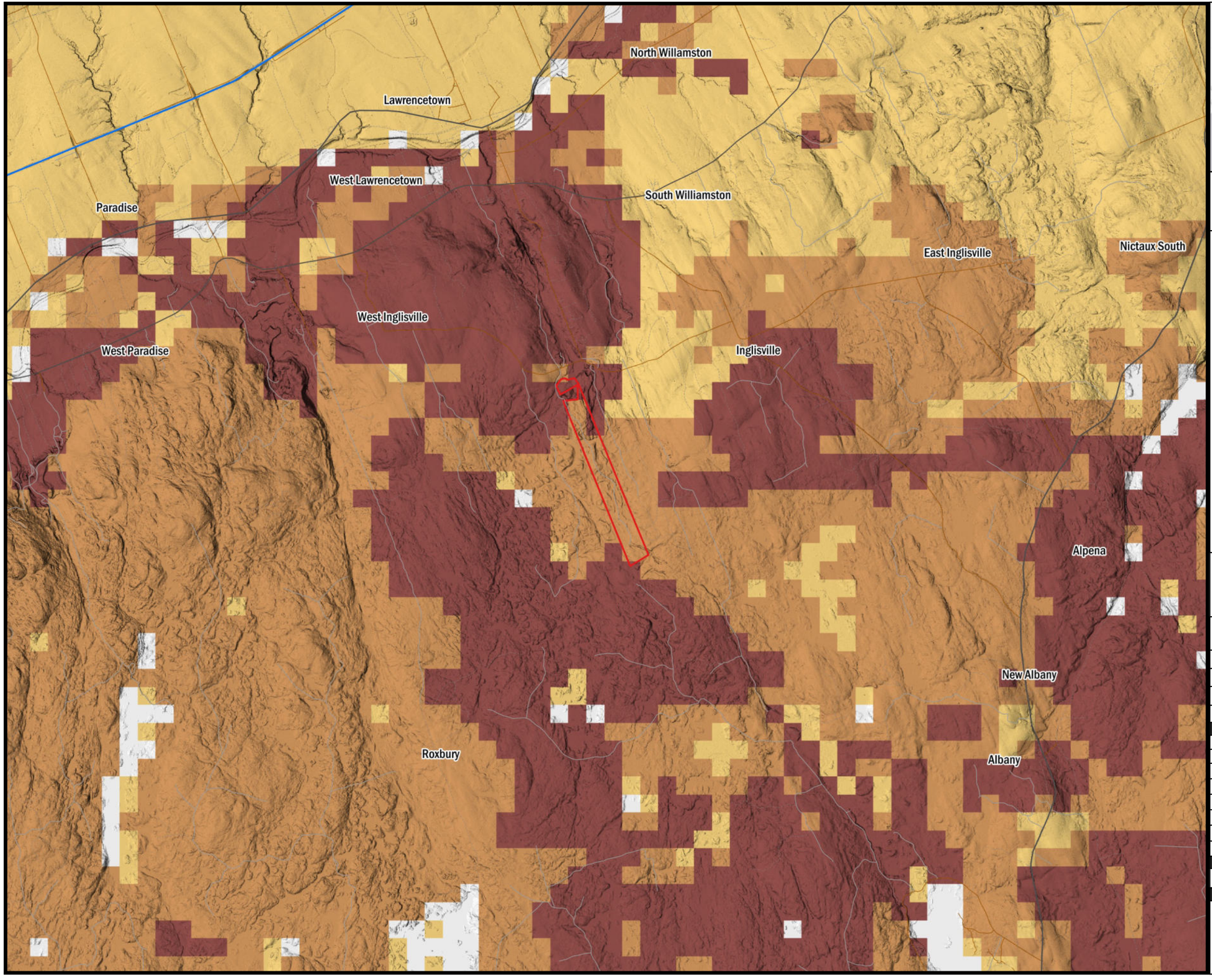
Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI Light Grey Base; NS LiDAR Hillshade
Sources: GeoNOVA; Mineral Resource Land Use Atlas; Karst Risk Map

Scale: 1:100,000 when printed at 11"x17"

N

0 1 2 km





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ENVIRONMENTAL & GEOMATICS

Project Site

Radon Potential

- High
- Medium
- Low

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Inglisville Road Pit Project

Radon Potential

Project #: 2025-007	**Drawing:** **7.1.9.4**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-06-15

Revision or Issue

00	Final Map	2026-06-15	CN
No.	**Description**	**Date**	**By**

Notes

Radon potential within the Project Site is predominantly classified as medium

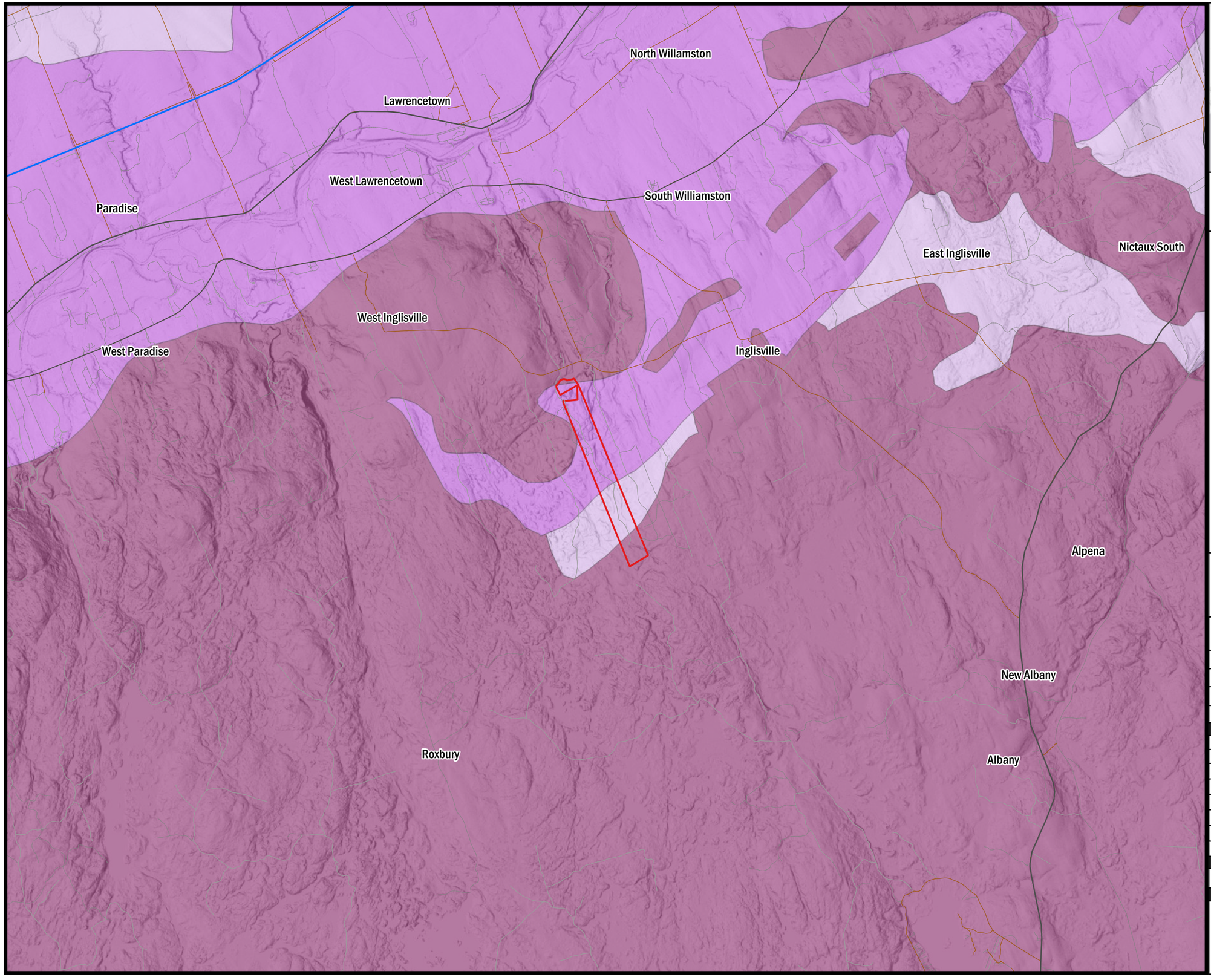
Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI Light Grey Base; NS LiDAR Hillshade
Sources: GeoNOVA; Mineral Resource Land Use Atlas

Scale: 1:50,000 when printed at 11"x17"

0 0.5 1 km

N





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ENVIRONMENTAL & GEOMATICS

Project Site

Relative Risk of Arsenic in Bedrock Wells

- High Risk
- Medium Risk
- Low Risk

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Inglisville Road Pit Project

Arsenic Risk

Project #: 2025-007	**Drawing:** **7.1.9.5**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-06-15

Revision or Issue

No.	Description	Date	By
00	Final Map	2026-06-15	CN

Notes

The Mineral Resource Land Use Atlas identifies a predominantly medium to low relative risk for arsenic in bedrock wells across much of the Project Site

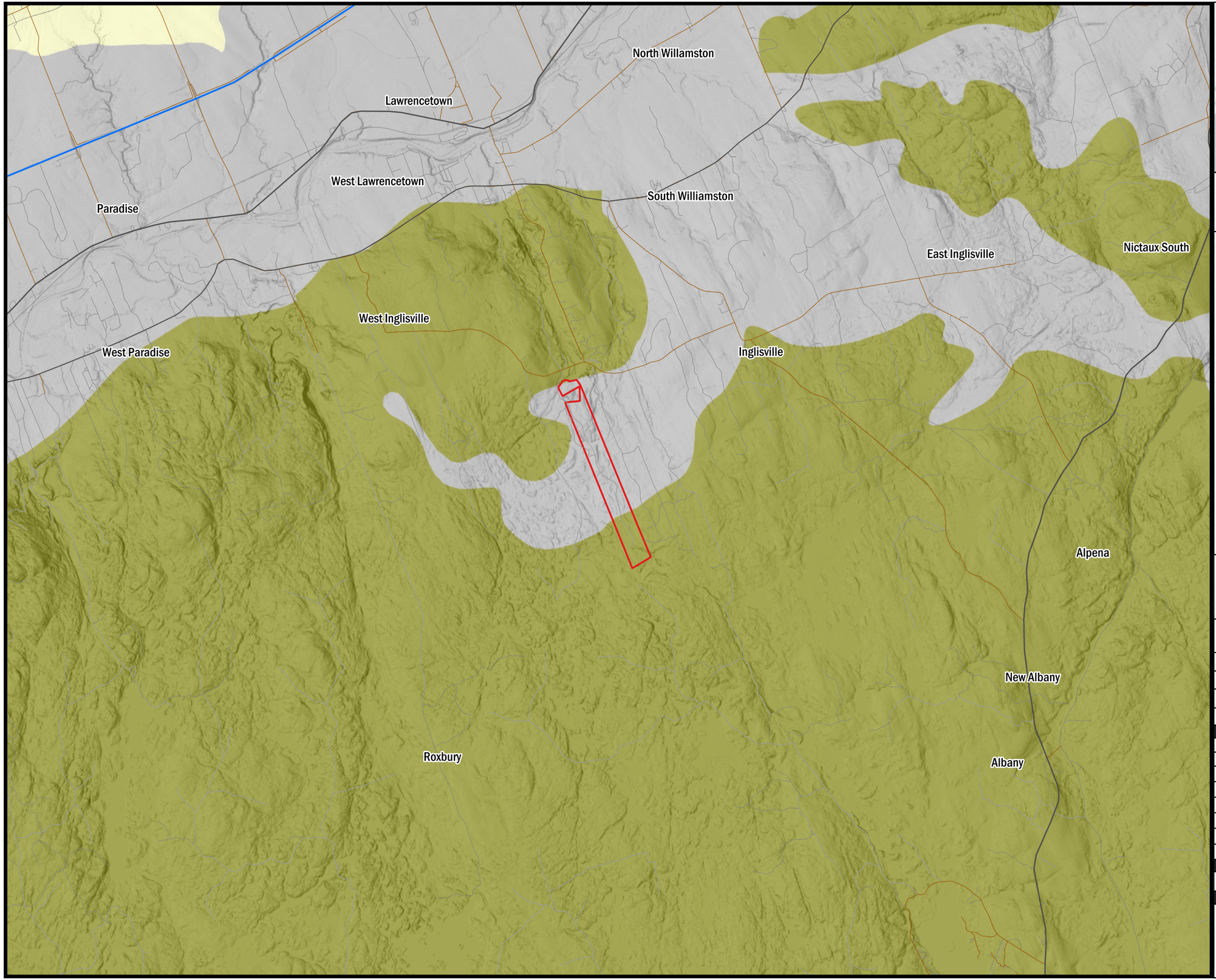
Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI Light Grey Base; NS LiDAR Hillshade
Sources: GeoNOVA; Mineral Resource Land Use Atlas

Scale: 1:50,000 when printed at 11"x17"

N

0 0.5 1 km





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ENVIRONMENTAL & GEOMATICS

Project Site

Uranium Risk

- High Risk
- Medium Risk
- Low Risk

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Inglisville Road Pit Project

Uranium Risk

Project #: 2025-007	**Drawing:** **7.1.9.6**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-06-15

Revision or Issue

00	Final Map	2026-06-15	CN
No.	**Description**	**Date**	**By**

Notes

Uranium risk is primarily low across most of the Project Site, with a higher relative risk identified in the southern portion

Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI Light Grey Base; NS LiDAR Hillshade
Sources: GeoNOVA; Mineral Resource Land Use Atlas

Scale: 1:50,000 when printed at 11"x17"

0 0.5 1 km

N





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ENVIRONMENTAL & GEOMATICS

Project Site

Annapolis County Zoning

- Agricultural (AG) Zone
- Commercial (C1) Zone
- Well Head 1 (GW1) Zone
- Well Head 2 (GW2) Zone
- Groundwater Supply (GW3) Zone
- Groundwater Buffer (GW4) Zone
- Groundwater General (GW5) Zone
- Institutional (I1) Zone
- Local Industrial (M1) Zone
- Mixed Use (MX) Zone
- Parks and Recreation (PR) Zone
- Low Density Residential (R1) Zone
- Multi-Unit Residential (R2) Zone

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Inglisville Road Pit Project

Annapolis County Land Use Zoning

Project #: 2025-007	**Drawing:** **7.2.2.1**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-06-15

Revision or Issue

00	Final Map	2026-06-15	CN
No.	**Description**	**Date**	**By**

Notes

The Project is situated within the Mixed Use (MX) Zone

Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI Light Grey Base; ESRI World Imagery
Sources: GeoNOVA; Annapolis County Land Use Bylaw

Scale: 1:50,000 when printed at 11"x17"

0 0.5 1 km

N





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ENVIRONMENTAL & GEOMATICS

- 1.5 km Buffer
- Project Site
- Noise Monitor
- Civic Addresses Within 1.5 km
- Civic Addresses Beyond 1.5 km

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Inglisville Road Pit Project

Noise Receptors and Monitor Location

Project #: 2025-007	**Drawing:** **7.4.1.1**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-06-15

Revision or Issue

00	Final Map	2026-06-15	CN
No.	**Description**	**Date**	**By**

Notes

A total of 35 civic addresses are located within 1.5 km of the Project

Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI World Imagery; ESRI Light Grey Base; ESRI Hybrid Reference Layer
Sources: GeoNOVA
Scale: 1:15,000 when printed at 11"x17"

N

0 250 500 m