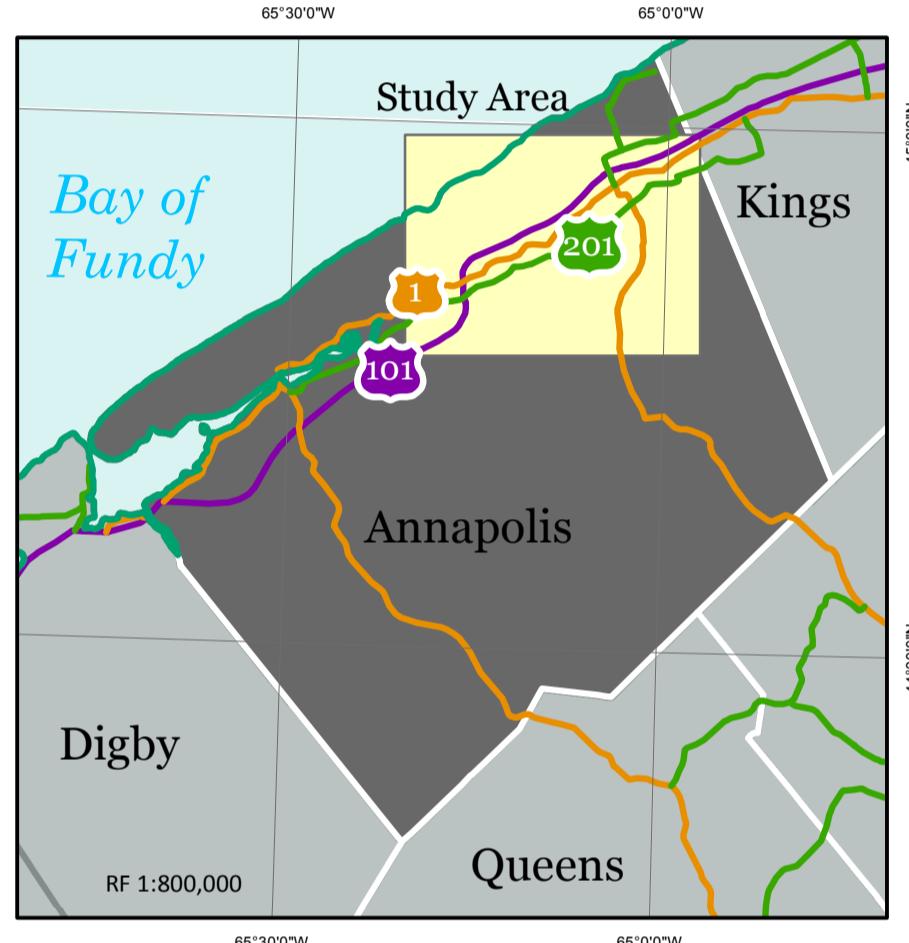


Lawrencetown Fire Department Serviced Area

This map illustrates the topographical features of Lawrencetown, Bridgetown, Middleton and the surrounding areas. To create this map, twenty-seven map sheets were retrieved from the website GeoNOVA Portal (Data Locator V 3.5), then merged together and then clipped to our study area using ArcGIS 10.3. Once the data was merged, these layers were then joined with the NSTDB table so the layers could be symbolized. Annotation for place names were derived from the Nova Scotia Gazetteer, road names (some not all) come directly from the shapefile from GeoNOVA and the remaining annotation comes from the NSTDB.

The way that the service area calculates the area of service from a location based on the travel time from the source, here we are looking at the Lawrencetown Fire Department as the source. The service area (network analysis) tool then moves along every road starting from the source traveling for the maximum of 10 minutes. The polygons were created for every one minute of travel and symbolized with a gradient fill. The areas that can be within the boundaries of the service area are assessable within 10 minutes of travel, whereas all areas outside of the boundaries are not.

Keymap of Study Area



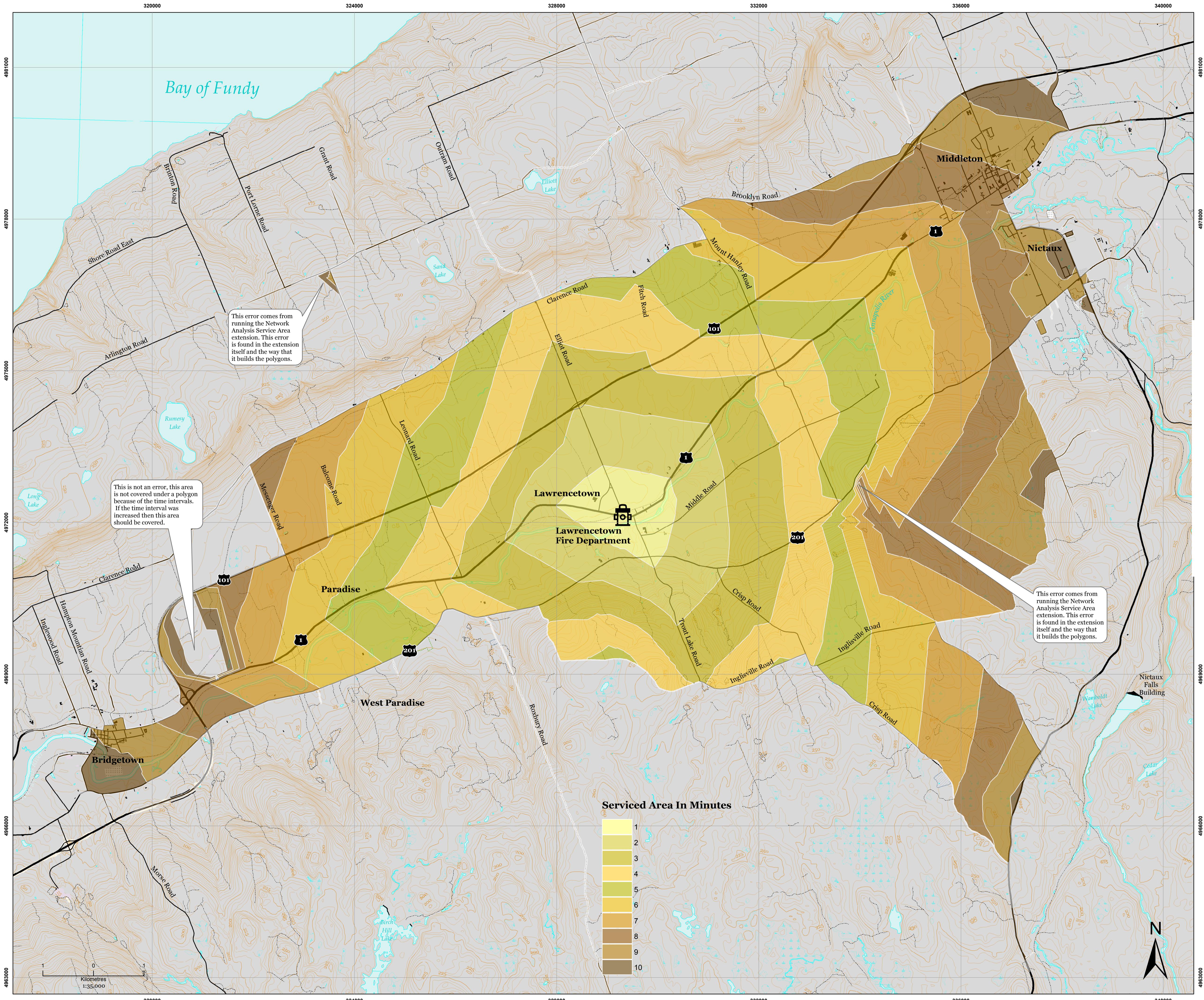
Roads

- 101 Arterial Highway (100 Series)
- 1 Trunk Highway (1-99 Series)
- 201 Collector Highway (200-300 Series)
- Local Paved
- Cart Track

Elevation

- Contour
- Contour Approximate
- Depression Contour
- Index Contour

Contour Interval = 25 Metres



Projection: Universal Transverse Mercator, Zone 20 North
Datum: North American Datum 1983 (NAD83)

Correction: Canadian Spatial Reference System 1998 (CSRS98)

Base Source: Nova Scotia Topographic Database (NSTDB)

— Arterial Highway (100 Series)

— Trunk Highway (1-99 Series)

— Collector Highway (200-300 Series)

— Local Paved

— Cart Track

Complements of the Nova Scotia Geomatics Centre (NSGC)

Service Nova Scotia and Municipal Relations

160 Willow Street

Amherst, N.S.

This map is produced as part of the requirements of the

Geographic Sciences Program

at the Center of Geographic Sciences, NSCC, Lawrencetown, Nova Scotia.

The product is unclassified and intended

for educational purposes only.

(c) 2010 COGS

Produced by: Katie Coute
Date: January 2010
Updated: January 2010

Magnetic North
January 2010

Calculated magnetic variation: 1° 7.22'W

Latitude: 44° 09' N

Longitude: 65° 00' W

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