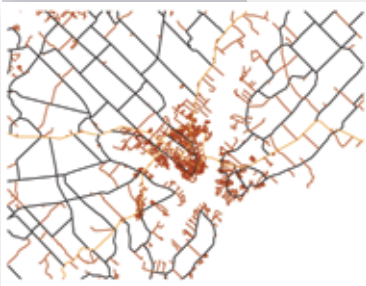# GeoBase

Background

Since 2003, GeoBase has provided a consistent, accurate, and current National Road Network (NRN). The first edition of the NRN provides the centreline of over 1.1 million kilometers of non-restricted use roads in Canada.

In the fall of 2007, the second edition of the NRN was launched. NRN 2.0 includes place names, street names, and address ranges between intersections.

The NRN is produced, updated, and distributed (with the support of GeoConnections) through collaborative agreements between Natural Resources Canada, Statistics Canada, and the provincial and territorial governments.

Uses

Road network data provides the framework for many geomatics applications such as mapping, geo-coding, geographic searching, and area delineations. NRN data can be used in a wide variety of activities, including: managing road operations, business development and marketing, transportation, and government services delivery (e.g. census and elections).

Characteristics

NRN data is based on a national data model and standard developed by the Canadian Council on Geomatics (CCOG). NRN data is composed of a network of line, point, and related descriptive attributes.

Data Formats

NRN data is available in the following formats:

- GML™
- Shapefiles™
- KML™

Detailed product specifications are available on the GeoBase website.