

Customer: Bell Mobility & Microcell Connexions

Project: Digital model production for propagation analysis

Duration: 1994 - present

Scope: Geospatial data modeling, structuring and integration

Value: \$224 000

- Highlights:**
- Over 600 map sheets from the National Topographic Data Base (NTDB) processed (1:50000).
 - Regions covered: Quebec, Ontario, New Brunswick, Manitoba, Alberta and British Columbia.
 - Production of tiles that can be integrated into the existing network of land models.

Description: The goal of these projects is to produce digital elevation and thematic coverage models defined around cell wave propagation parameters. The resulting digital maps are used to conduct several projects for positioning cell phone network antennas.

The phases in this project include the modeling, structuring and integration of NTDB geospatial data based on the customer's data models, as well as conversion of the resulting files into Planet and Atoll propagation analysis technologies.

VIASAT can provide expertise for both preparing the propagation maps as well as designing and developing computer tools for automatic data processing.

In images...

