



Natural Resources
Canada

Ressources naturelles
Canada

CanTopo

Release Notes

Edition 1.1

2010-06-30

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Notices

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RELEASE HISTORY

Date	Version	Description
2009-05-31	1.0	Initial version
2010-06-30	1.1	Addition of GeoTIFF format and minor editing of text.

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1 Overview

CanTopo is the new generation of topographic maps being produced by Natural Resources Canada (NRCan). This digital cartographic product originates from the best available data sources covering the Canadian territory and offers a quality product in vector and raster format that complies with international geomatics standards. CanTopo digital maps are multipurpose and can be utilized in a multitude of scenarios ranging from emergency response and natural resource management, to geographical education and planning a safe backcountry camping expedition.

Titles in CanTopo are scheduled to be published quarterly. CanTopo data will be freely accessible through the GeoGratis Web portal according to the terms of the GeoGratis License Agreement for Unrestricted Use (www.GeoGratis.gc.ca) in output file formats PDF (Portable Document File), GeoPDF (Georeferenced Portable Document File), TIFF (Tagged Image File Format) and GeoTIFF (Georeferenced Tagged Image File Format).

2 Date of Production

The CanTopo product is designed to be released every three (3) months (quarterly) starting June 30, 2009.

3 Release notes

The CanTopo product includes the following changes from the CanMatrix series of products.

3.1 Content

Changes to the content include:

- modifications to the collection and storage of features within the source database, i.e.:
 - amalgamation of features
 - sand in water/foreshore flats, intermittent water, and dry river bed have been grouped into one feature called alluvium
 - sloughs are part of the intermittent water feature and are displayed as intermittent water
 - five classes of administrative limits versus nine previously
 - non-directionality of point features (i.e. rapids)
 - roads and hydrography are now collected through the GeoBase initiative
 - wooded areas now include vineyards and orchards and are derived from Canadian Forestry Service satellite imagery (previously, vineyards, orchards and wooded areas were depicted)
 - built-up areas are derived from the GeoBase National Road Network
- changes in precision
 - Originally, the source database was built using data which was cartographically correct. New data collected is spatially correct, therefore, there may be overlapping of features or vertical integration issues at the 1:50K scale.
- modifications to symbology/labels of features

Changes to the surround include:

- A partial metadata record of features – the validity dates of the most common features are shown on each sheet in point form for clarity. Access to the full metadata record is available through GeoGratis.
- An ISBN/ISSN/Catalogue Number and barcode for each map is now shown for ease of use for map librarians, archivists and resellers.
- A full colour legend is now shown on the front of each map.

3.2 Design

This generation of map sheets has been designed to provide the user with a more intuitive product.

Information

- Information flows from left to right, starting with the legend, the identification panel and then going to the content.
- Additional information is available surrounding the map.

Colour scheme

- All roads are red-light readable.
- Overall colour scheme ties into other products such as the National Topographic System Index Maps and information brochures.

4 Coverage of the CanTopo Product

All CanTopo files are grouped and distributed by National Topographic System (NTS) tile number. Edition numbers are continued from the CanMatrix series of products.

CanTopo aims to provide topographic maps for the Canadian landmass where the demand is the greatest. As a minimum, all titles published will include new roads, hydrology, metric contours, and updated toponyms and administrative boundaries. Special effort will be made to update “limited access” roads in defined areas. Higher levels of map revisions will be undertaken only with a partnership agreement with other government departments or agencies for specified areas.