



Natural Resources
Canada

Ressources naturelles
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CanVec

Release notes

Edition 6.0

2010-04-14

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RELEASES HISTORY

Date	Edition	Description
2010-04-12	6.0	Sixth edition
2009-10-14	5.0	Fifth edition
2009-04-14	4.0	Fourth edition
2008-10-20	3.0	Third edition
2008-03-30	2.0	Second edition
2007-03-01	1.0	Original edition

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OVERVIEW

CanVec is a digital cartographical reference product generated by Natural Resources Canada. CanVec offers a complete Canadian coverage by consolidating data from the best available sources. CanVec is a quality vector data that complies with international Geomatics standards.

DATE OF PRODUCTION

Current release date: April 12, 2010.

CanVec product is designed to be released generally every six (6) month, usually during spring and autumn.

CURRENT RELEASE NOTES

The sixth edition of CanVec product includes following novelties and modifications:

- Adding a FGDB distribution format, the product data are grouped by CanVec themes and can be downloaded in ESRI File Geodatabase format (FGDB) or Geography Markup Language (GML) under two coverages, Canadian or Provincial/territorial.
- Addition of 242 new datasets for which the majority comes from the project Mapping of the North (240 datasets), from the transfer of GeoBase National Hydro Network (NHN) data to CanVec (2 datasets).
- Update of different entities, mainly Hydrography, Relief and Landform and Industrial and commercial areas CanVec theme (388 datasets).
- Update of National Road Network (NRN) into CanVec product. The Yukon Territory dataset has been updated: (basic attributes, street name, address and road base). A total of 174 datasets has been updated.
- Update of geographical names for the entity Named feature. Toponyms from Canadian Geographical Name Data Base (CGNDB) have been actualized for the entire modified datasets of this release. Furthermore, there are 198 datasets that the Toponymy has been added.
- New contour entity model: elimination of the Geometric representation qualifier attributes.
- The metrification process aims to create new metric hypsographical data or to replace imperial hypsographical data (entities Contour imperial and Elevation point imperial). A total of 595 datasets has been converted.
- Update of National Hydrographic Network (NHN) into CanVec product. A total of 768 datasets has been updated.
- Entity Coastal water replace by Waterbody (854 datasets).
- Correction of discrepancies for datasets and metadata in the CanVec product:
 - omission of some occurrences entities of **Contour** (2 datasets, discrepancy no 01908);

- erroneous value of the attribute Water definition of the **Waterbody** entity (33 datasets, discrepancy, no 01983);
- duplication and offset of the **Watercourse** entity (one dataset, discrepancy no 01997);
- incorrect data type definition of the attribute concise Code (CONCISCODE) of occurrences entities of **Hydrographic obstacle** and **Manmade hydrographic entities** (10243 datasets, no 02000);
- duplication of some occurrences entities (1 dataset, no 02039);
- structuring data errors, (136 datasets, no 02040);
- positioning errors of two entities **Named feature** (1 datasets, no 02041).

The project Mapping of the North undertaken by the Centre for Topographic Information is one of the processes developed to generate topographical data for CanVec. This project is realized by putting forward various data acquisition methods:

- Loading of data acquired by stereo-digitizing;
- Loading of data acquired by stereo-digitizing and updated with Landsat 7 or Spot satellite imagery;
- Loading of data acquired by Landsat 7 or Spot satellite imagery.

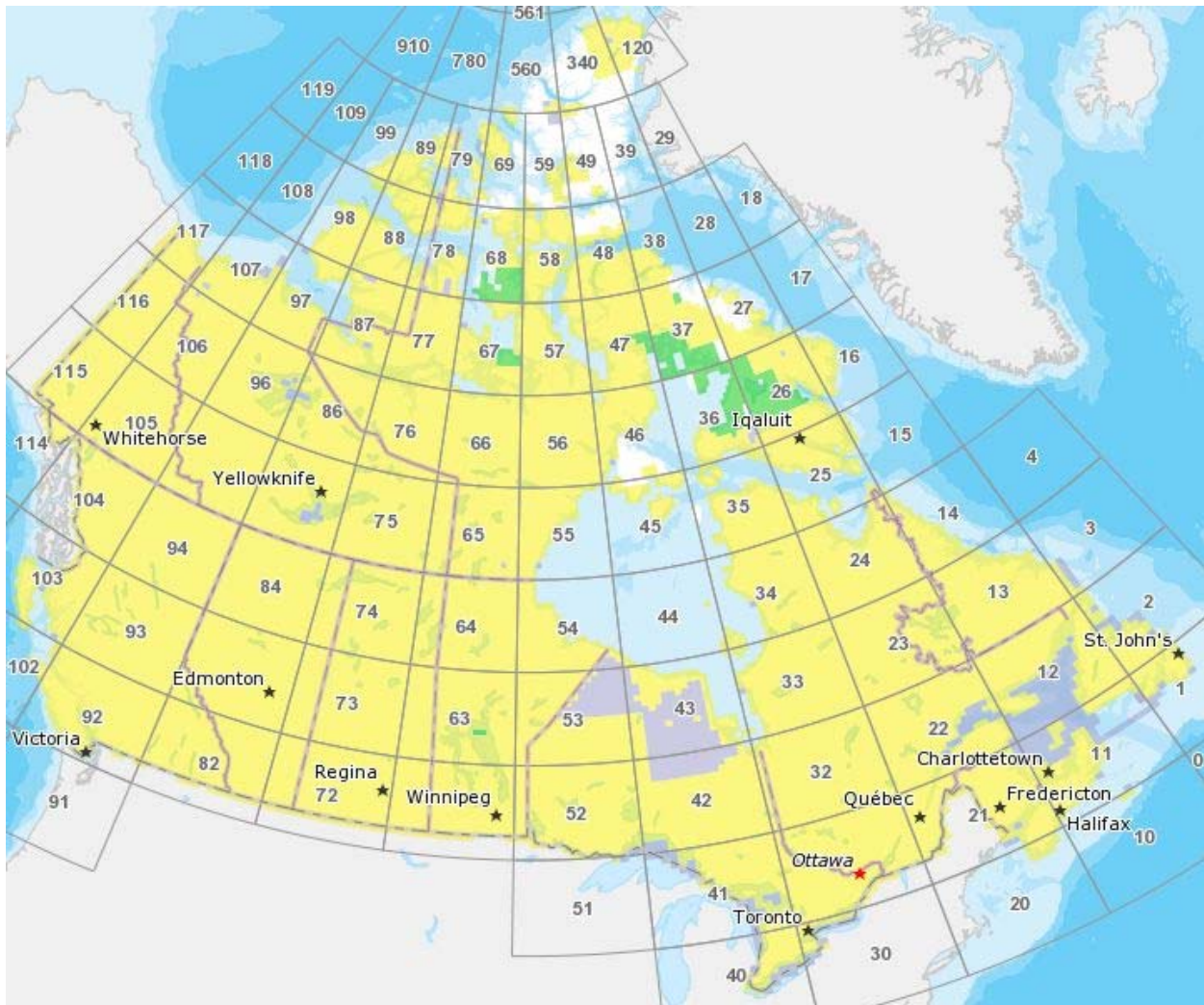
The data processed within the scope of this project includes primary (only) topographical information visible (detectable) on Landsat 7 or Spot satellite imagery. The data related to the hypsography (altimetry) is excluded. Another project aiming to generate contour intervals from Digital Elevation Model (DEM) has been started. Missing data will be added eventually in CanVec datasets.

- Since the first release of CanVec product, 1 262 datasets are issued from project Mapping of the North from which 240 are new in this edition. Hypsography (altimetry) is available for 637 datasets and the Toponymy in 1070 datasets.

COVERAGE OF CANVEC PRODUCT

A total of 13 116 datasets is part of the edition 6.0 of CanVec product where 242 are new and 2 928 are modified or corrected. 9 940 datasets are unchanged from previous edition.

Coverage of CanVec product – Edition 6.0



Legend

- New (242 datasets)
- Identical/unchanged (2 928 datasets)
- Modified/corrected (9 940 datasets)

