CanVec

Release Note

2017-10-18

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RELEASES HISTORY

Date	Description
2017-10-18	New release
2017-08-16	New release
2017-06-21	New release
2017-04-19	New release
2017-02-02	New release
2016-11-16	New release
2016-09-22	New release
2016-07-19	New release
2016-05-18	New release
2016-03-17	New release
2016-01-14	Original version

OVERVIEW

CanVec is a digital cartographical reference product produced by Natural Resources Canada. It originates from the best available data sources covering the Canadian territory. This product offers quality topographical information in vector format in compliance with international geomatics standards.

This new CanVec is the result of an improved data model whose goal to provide of providing seamless data layer coverage across Canada. Currently, only Atlas data and the Transportation theme data sourced from the National Road Network (NRN) and the National Railway Network (NRWN) are available seamlessly. Future releases will include additional seamless data layers.

Main URLs for the CanVec WMS by official language
- CanVec WMS English*: http://maps.geogratis.gc.ca/wms/canvec_en?
- CanVec WMS French*: http://maps.geogratis.gc.ca/wms/canvec_fr?
*For use in a WMS Client, for example in GIS software and applications.

Note 1: The data at the scale 1:250 000 comes from static data of the National Topographic Data Base (NTDB) and a generalization of the National Road Network (NRN) and National Railway Network (NRWN) in January 2014. To obtain the up-to-date data, you must download the CanVec data at the scale 1:50 000.

Note 2: April 19, 2017 release - Addition of three entities: Natural Gas Processing Plant, Petroleum Refinery and Power Plant at the scale 1:250 000.

Note 2: October 18, 2017 release – Aboriginal Lands and Municipal Boundaries products are no longer available in the CanVec product. From now on, please download Aboriginal Lands of Canada Legislative Boundaries to obtain up-to-date data. The Municipal Boundaries product is available in the Natural Resources Canada Archive directory.

RELEASE DATE

October 18, 2017

RELEASE NOTE

The CanVec product includes the following improvements and modifications:

- Update of toponyms

- Update of National Railway Network (RNWN) for British Columbia at the 1:50 000 scale

- Update of National Road Network (NRN) for Northwest Territories at the scale 1:50 000
  Note: Update of the road between Inuvik and Tuktoyaktuk only

- Update of several catalogues, see the Catalogues Updating section

- Update of Product Specifications, CanVec_Code Excel file and CanVec_Distribution_Shapefile CSV file

- Update of the data at the scales 1:1M, 1:5M and 1:15M
  -Elimination of the Man-Made Features and Toponymic Features themes at the scale 1:1M
  -Elimination of the Port and Harbour entities in the Transport Features theme at the scale 1:1M
  -Elimination of the Hydro Junction in the Hydro Features theme at the scales 1:1M, 1:5M and 1:15M

- Elimination of the Aboriginal Land and Municipality entities in the Administrative Features Theme at the scale 1:50 000

- Correction of 9 discrepancies for datasets and metadata in the CanVec product (datasets listed below are in reference to the National Topographic System (NTS) at the scale of 1:50 000):

  o Error of positioning for Kirkfield Park - **Named feature**, (1 dataset, discrepancy no 03499);

  o Omission of an entity occurrence **Named feature** - Cape Cockburn, (1 dataset, discrepancy no 03506);

o Commission of an attribute value nameid_1 of an entity occurrence **Island**, (1 dataset, discrepancy no 03507);

o Commission of an attribute value lakeid_1 of an entity occurrence **Waterbody**, (3 datasets, discrepancy no 03508);

o Error of attribute value lakeid_1 of some entity occurrences **Waterbody**, (7 datasets, discrepancy no 03509);

o Error of attribute value nameid for some entity occurrences **Named feature** - Geometry Point, (5 datasets, discrepancy no 03510);

o Commission of an attribute value nameid of an entity occurrence **Named feature** - Geometry Point, (5 datasets, discrepancy no 03511);

o Commission of entity occurrences **Named feature** - Geometry Point, (10 datasets, discrepancy no 03512);

o Error of attribute value nameid for some entity occurrences **Named feature** - Geometry Point, (55 datasets, discrepancy no 03513).

CATALOGUES UPDATING

- 15M Scale

Elevation Features

- The attribute **Square Kilometer Area** *(Superficie en kilomètres carrés)* has been removed from the **Bathymetry (Bathymétrie)** feature.

Hydro Features

- The **Hydro Junction** *(Jonction hydro)* feature has been removed.
- The attribute **Source** *(Source)* has been added to the **Permanent Snow and Ice** *(Neige et glace permanentes)* feature.
- The attributes **Toponymic Data Base** *(Base de données toponymique)*, **Name-English** *(Nom-Anglais)*, **Name-French** *(Nom-français)*, **Name Identifier** *(Identifiant du nom)*, **Name-Other** *(Nom-Autre)*, **Name-other Language** *(Nom-Autre langue)*, **Name-Other Language-French** *(Nom-Autre langue-Français)*, **Name-Other Language-English** *(Nom-Autre langue-Anglais)* and **Square Kilometer Area** *(Superficie en kilomètres carrés)* have been removed from the **Permanent Snow and Ice** *(Neige et glace permanentes)* feature.
- The attribute **Square Kilometer Area** *(Superficie en kilomètres carrés)* has been removed from the **Waterbody (Région hydrique)** feature.

Transport Features

- The attributes **Is Divided**, **Is Divided-French** and **Is Divided-English** have been removed from the **Road Segment** *(Segment routier)* feature.

- 5M Scale

Elevation Features

-The attribute **Square Kilometer Area** *(Superficie en kilomètres carrés)* has been removed from the **Bathymetry (Bathymétrie) feature.**

Hydro Features

- The **Hydro Junction** *(Jonction hydro)* feature has been removed.
- The attribute **Source** *(Source)* has been added to the **Permanent Snow and Ice** *(Neige et glace permanentes)* feature.
- The attributes **Toponymic Data Base** *(Base de données toponymique)*, **Name-English** *(Nom-Anglais)*, **Name-French** *(Nom-français)*, **Name Identifier** *(Identifiant du nom)*, **Name-Other** *(Nom-Autre)*, **Name-other Language** *(Nom-Autre langue)*, **Name-Other Language-French** *(Nom-Autre langue-Français)*, **Name-Other Language-**

English *(Nom-Autre langue-Anglais)* and **Square Kilometer Area** *(Superficie en kilomètres carrés*) have been removed from the **Permanent Snow and Ice** *(Neige et glace permanentes)* feature.
- The attribute **Square Kilometer Area** *(Superficie en kilomètres carrés*) has been removed from the **Waterbody** *(Région hydrique)* feature.

Land Features

- The attribute **Square Kilometer Area** *(Superficie en kilomètres carrés*) has been removed from the **Island** *(Île)* feature.

Transport Features

 - The attributes **Is Divided**, **Is Divided-French** and **Is Divided-English** have been removed from the **Road Segment** *(Segment routier)* feature.

- 1M Scale

Elevation Features

- The attribute **Square Kilometer Area** *(Superficie en kilomètres carrés*) has been removed from the **Bathymetry *(Bathymétrie)* feature.

Hydro Features

- The **Hydro Junction** *(Jonction hydro)* feature has been removed.
- The attribute **Source** *(Source)* has been added to the **Permanent Snow and Ice** *(Neige et glace permanentes)* feature.
- The attributes **Toponymic Data Base** *(Base de données toponymique)*, **Name-English** *(Nom-Anglais)*, **Name-French** *(Nom-français)*, **Name Identifier** *(Identifiant du nom)*, **Name-Other** *(Nom-Autre)*, **Name-other Language** *(Nom-Autre langue)*, **Name-Other Language-French** *(Nom-Autre langue-Français)*, **Name-Other Language-English** *(Nom-Autre langue-Anglais)* and **Square Kilometer Area** *(Superficie en kilomètres carrés*) have been removed from the **Permanent Snow and Ice** *(Neige et glace permanentes)* feature.
- The attribute **Square Kilometer Area** *(Superficie en kilomètres carrés*) has been removed from the **Waterbody *(Région hydrique)* feature.

Land Features

- The attribute **Square Kilometer Area** *(Superficie en kilomètres carrés*) has been removed from the **Island** *(Île)* feature.

Transport Features

- **Port** *(Port)* feature has been removed.
- **Harbour** *(Havre)* feature has been removed.
- The attributes **Is Divided**, **Is Divided-French** and **Is Divided-English** have been removed from the **Road Segment** *(Segment routier)* feature.

Man-Made features

- **Dam** *(Barrage)* feature has been removed. – Deletion of the Catalogue

Toponymic features

 - **Atlas Named feature** *(Entité nommée de l'Atlas)* has been removed. – Deletion of the Catalogue

- 250M Scale

No modification

- 50M Scale

Administrative Features

- **Aboriginal Land** feature has been removed.
- **Municipal Boundary** feature has been removed.

Transport Features

- The attribute **Speed Restriction** *(Limite de vitesse)* of the **Road Segment** *(Segment routier)* feature has been totally replaced.

o   Note: Some discrepancies between the attribute names in the catalogue and in the CanVec product have been found. The following table shows them and there could be few others. We are working to correct the situation. Confirmed by October 31st, 2016

Scale	Theme	Feature name	Attribute name in the catalogue	Attribute name in CanVec
50k	Hydro	water_linear_flow_1	name_other_language	language_other
			name_other_language_fr	missing
			name_other_language_en	missing
		watercourse_1	name_other_language	language_other
			name_other_language_fr	missing
			name_other_language_en	missing
		waterbody_2	name_other_language	language_other
			name_other_language_fr	missing
			name_other_language_en	missing
		permanent_snow_and_ice_2	name_other_language	language_other
			name_other_language_fr	missing
			name_other_language_en	missing
		hydro_junction_0	Table does not exist	table should not exist
	Toponymy	bdg_named_feature_*	md_horiz_position_accuracy_min	missing
			md_horiz_position_accuracy_max	missing
			name_other_language	language_other
			name_other_language-fr	missing
			name_other_language_en	missing
	Transport	railway_station_0	track_geobase_nid	missing
	Land	island_2	name_other_language	language_other
			name_other_language_fr	missing
			name_other_language_en	missing
250K	ManMade	dam_*	country	missing
			country_fr	missing
			country_en	missing
			map_selection	missing
			map_selection_fr	missing
			map_selection_en	missing
		protection_structure_1	country	missing

			country_fr	missing
			country_en	missing
			map_selection	missing
			map_selection_fr	missing
			map_selection_en	missing
	Hydro	hydro_obstacle_*	country	missing
			country_fr	missing
			country_en	missing
			map_selection	missing
			map_selection_fr	missing
			map_selection_en	missing
		watercourse_1	name_other_language	language_other
			name_other_language_fr	missing
			name_other_language_en	missing
		waterbody_2	name_other_language	language_other
			name_other_language_fr	missing
			name_other_language_en	missing
		permanent_snow_and_ice_2	name_other_language	language_other
			name_other_language_fr	missing
			name_other_language_en	missing
			map_selection	missing
			map_selection_fr	missing
			map_selection_en	missing
	Transport	nautical_facility	country	missing
			country_fr	missing
			country_en	missing
			map_selection	missing
			map_selection_fr	missing
			map_selection_en	missing
1M	Transport	rail_ferry_1	track_owner_reporting_mark	missing
	Hydro	watercourse_1	name_other_language_fr	missing
			name_other_language_en	missing
		water_linear_flow_1	name_other_language_fr	missing
			name_other_language_en	missing
		waterbody_2	name_other_language_fr	missing

			name_other_language_en	missing
	Land	island_2	name_other_language_fr	missing
			name_other_language_en	missing
5M	Hydro	water_linear_flow_1	name_other_language_fr	missing
			name_other_language_en	missing
		watercourse_1	name_other_language_fr	missing
			name_other_language_en	missing
		waterbody_2	name_other_language_fr	missing
			name_other_language_en	missing
	Transport	rail_ferry_1	track_owner_reporting_mark	missing
	Land	island_2	name_other_language_fr	missing
			name_other_language_en	missing
15M	Hydro	watercourse_1	name_other_language_fr	missing
			name_other_language_en	missing
		waterbody_2	name_other_language_fr	missing
			name_other_language_en	missing
		water_linear_flow_1	name_other_language_fr	missing
			name_other_language_en	missing

Note1: The attributes "intersection", "intersection_fr" and "intersection_en" should not exist, always empty for the moment.

Note2: The attribute "area_km2" should not be present in the catalogue.