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Canada

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CanVec

Release note

2017-02-02

**Natural Resources Canada
Earth and Sciences Sector
Canada Centre for Mapping and Earth Observation**

GeoGratis Client Services
Telephone: +01-819-564-4857
1-800-661-2638 (Canada and USA)
Fax: +01-819-564-5698
E-mail: geoinfo@canada.ca
URL : www.geogratias.gc.ca

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RELEASES HISTORY

Date	Description
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.

Note: Since October 2015, the Aboriginal Lands data have not been supported in the CanVec product. Please download the [GeoBase - Aboriginal Lands of Canada](#) to obtain updated information.

RELEASE DATE

February 2, 2017

RELEASE NOTE

The CanVec product includes the following improvements and modifications (datasets listed below are in reference to the National Topographic System (NTS) at the scale of 1:50 000):

- Update of metric Hypsographical Data (for datasets whose unit of measurement for contours was the imperial system), (11 datasets).
- All toponyms in the Named feature layer are now distributed in order that the layer represents the complete set of toponyms. However, since some toponyms may be duplicated in other layers such as hydrography, the Active toponym attribute of the Named Entity is used to distinguish them. The attribute has 2 possible values:

Not active (0): Object whose toponym has been transferred as an attribute to other data layers and which does not contribute to the topographic content anymore.

Active (1): Object whose toponym has not been transferred as an attribute to other data layers and whose presence contributes to the topographic content.

To remove duplicate toponyms between the Named feature layer and the other layers, select where the Active toponym attribute equals 1 in the Named feature layer.

- Correction of discrepancies for datasets and metadata in the CanVec product:
 - Error of structuration of some entity occurrences - **Hydrography Theme**, (11 datasets, discrepancy no 03373 and 6 datasets, discrepancy no 03387);
 - Omission of an entity occurrence **Waterbody**, (1 dataset, discrepancy no 03426 and 1 dataset, discrepancy no 03427);
 - Invalid Geometry for an entity occurrence **Waterbody**, (1 dataset, discrepancy no 03442);
 - Commission of an entity occurrence **Contour**, (2 datasets, discrepancy no 03443);
 - Omission of some entity occurrences **Waterbody**, (1 dataset, discrepancy no 03452);
 - Error of structuration of an entity occurrence **Contour**, (1 dataset, discrepancy no 03453).

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	Admin	municipal_boundary_2	name_legal_other_language	name_legal_other
			name_legal_other_language_fr	missing
			name_legal_other_language_en	missing
			name_other_language_fr	missing
			name_other_language_en	missing
		aboriginal_land_2	name_other_language_fr	missing
			name_other_language_en	missing
	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	port_0	port_responsibility	port_responsability
			port_responsibility_fr	port_responsability_fr

			port_responsibility_en	port_responsability_en
		rail_ferry_1	track_owner_reporting_mark	missing
	Hydro	permanent_snow_and_ice_2	name_other_language_fr	missing
			name_other_language_en	missing
		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
		hydro_junction	missing	Intersection – See note1
			missing	intersection_fr
			missing	Intersection_en
	Toponymy	atlas_named_feature_0	area_km2	missing - See note2
			name_other_language_fr	missing
			name_other_language_en	missing
		atlas_named_feature_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
		permanent_snow_and_ice_2	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	permanent_snow_and_ice_2	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
		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.