



Natural Resources
Canada

Ressources naturelles
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CanVec

Release Note

2017-08-16

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RELEASES HISTORY

Date	Description
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: 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.

Note 2: 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 most up-to-date data, you must download the CanVec data at the scale 1:50 000.

Note 3: April 19 2017 release - Addition of 3 entities: Natural Gas Processing Plant, Petroleum Refinery and Power Plant at the scale 1:250 000.

RELEASE DATE

August 16, 2017

RELEASE NOTE

The CanVec product includes the following improvements and modifications:

- Update of toponyms
- Correction of 10 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):
 - Error of attribute value lake_id_1 on some occurrence entities **Waterbody**, (16 datasets, discrepancy no 03483);
 - Omission of some entity occurrences **Network linear flow** – Observed, (2 datasets, discrepancy no 03485);
 - Omission of an entity occurrence **Waterbody**, (1 dataset, discrepancy no 03486);
 - Commission of an entity occurrence Designated area – **Cemetery** attribute, (1 dataset, discrepancy no 03487);
 - Commission of attribute value Turner River for some occurrences **Network linear flow**, (1 dataset, discrepancy no 03489);
 - Error of attribute values for some entity occurrences **Named feature** - Geometry Point, (2 datasets, discrepancy no 03489);
 - Commission of an entity occurrence and error of attribute value **Named feature** - Geometry Point, (1 dataset, discrepancy no 03490);
 - Commission of an entity occurrence **Campground**, (1 dataset, discrepancy no 03491);

- Error of structuration of an entity occurrence **Network linear flow**, (1 dataset, discrepancy no 03493).
- 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.