



Natural Resources
Canada

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CanVec

Release Note

2018-09-04

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RELEASES HISTORY

Date	Description
2018-09-04	New release
2018-07-03	New release
2018-05-08	New release
2018-03-06	New release
2017-12-20	New release
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 3: 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

September 4, 2018

RELEASE NOTE

The CanVec product includes the following improvements and modifications:

- Update of toponyms (entity and in attribute)
- 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):
 - Commission of entity occurrences **Named feature** - Point geometry, (2 datasets, discrepancy no 03624);
 - Invalid geometry for some entity occurrences **Waterbody** (4 datasets, discrepancy no 03627);
 - Invalid geometry for an entity occurrence **Network linear flow**, (1 dataset, discrepancy no 03628);
 - Update of NAMEID for some occurrences **Named feature**, (5 datasets, discrepancy no 03631);
 - Update of LAKEID_1 for an entity occurrence **Waterbody**, (1 dataset, discrepancy no 03632);
 - Commission of an entity occurrence **Island**, (7 datasets, discrepancy no 03463);
 - Omission of an entity occurrence **Island**, (2 datasets, discrepancy no 03475);
 - Omission of some entity occurrences **Waterbody** and **Island**, (138 datasets, discrepancy no 03502);
 - Error of codification for an entity occurrence **Named feature** - geometry line, (1 dataset, discrepancy no 03560);
 - Error of geometry for an entity occurrence **Breakwater**, (1 dataset, discrepancy no 03623);
 - Error of structure of an entity occurrence **Contour**, (1 dataset, discrepancy no 03630).

- 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	
	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_fr	missing
			country_en	missing
			map_selection_fr	missing
			map_selection_en	missing
		protection_structure_1	country_fr	missing
			country_en	missing
			map_selection	missing
			map_selection_fr	missing

			map_selection_en	missing
	Hydro	hydro_obstacle_*	country_fr	missing
			country_en	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.