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CanVec

Release Note

2018-03-06

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RELEASES HISTORY

Date	Description
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

March 6, 2018

RELEASE NOTE

The CanVec product includes the following improvements and modifications:

- Update of toponyms (entity and in attribute)
- Update of National Road Network (NRN) for Prince Edwards Island at the scale 1:50 000
- Update of some attributes for National Road Network and National Railway Network at the scale 1:250 000
- Update of all Atlas of Canada data at the scale 1:1 000 000
- Update of the Atlas of Canada Road Network at the scales 1:5 000 000 and 1:15 000 000
- Update of several catalogues
- Correction of 11 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 TYPE_PERCEE of some entity occurrences **Cut line**, (10 datasets, discrepancy no 03544);
 - Error of attribute value TYPE_PERCEE of some entity occurrences **Cut line**, (450 datasets, discrepancy no 03545);
 - Omission of an entity occurrence **Island**, (5 datasets, discrepancy no 03569);
 - Error of structuration of some entity occurrences **Waterbody**, **Network linear flow** and **Island**, (2 datasets, discrepancy no 03574);

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- Commission of an entity occurrence **Obstacle** - geometry point, (6 datasets, discrepancy no 03570 and 03575);
 - Omission of a entity occurrence **Network linear flow**, (1 dataset, discrepancy no 03579);
 - Error of attribute value Elevation for an entity occurrence **Contour**, (1 dataset, discrepancy no 03582);
 - Error of attribute value SAND_ISLAND for occurrences **Island**, (360 datasets, discrepancy no 03585);
 - Omission of some entity occurrences **Contour**, (2 datasets, discrepancy no 03587);
 - Error of attribute value ISOLATED for some entity occurrences **Waterbody** - value -1, (6 datasets, discrepancy no 03589);
 - Commission of some entity occurrences **Waterbody** - ISOLATED attribute - value -2, (5 datasets, discrepancy no 03591).

- 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.