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CanVec

Release note

2017-04-19

**Natural Resources Canada
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RELEASES HISTORY

Date	Description
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.

RELEASE DATE

April 19, 2017

RELEASE NOTE

The CanVec product includes the following improvements and modifications:

- Addition of three entities: Natural Gas Processing Plant, Petroleum Refinery and Power Plant at the scale 1:250 000.

- Update of National Road Network (NRN) for British Columbia, Alberta, and New Brunswick at the scale 1:50 000.

- Update of National Railway Network (RNWN) for Ontario and Alberta at the scale 1:50 000.

- Update of metric Hypsographical Data (for datasets whose unit of measurement for contours was the imperial system), (10 datasets) at the scale 1:50 000.

- Catalogue updates

- Correction of 42 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 Planimetric accuracy attribute value **Network linear flow** - Inferred qualifier, (783 datasets, discrepancy no 02740);

    o Error for the NAME_1_id attribute for **Network Linear Flow**, (3 datasets, discrepancy no 02831);

    o Error of attribute value Validity date for some occurrence entities **Network Linear Flow** – Inferred qualifier, (4 datasets, discrepancy no 02877);

    o Error of attribute value Permanency for some entity occurrences **Network Linear Flow**, (3839 datasets, discrepancy no 02971);

    o Commission of attribute value name_db for occurrences **Network Linear Flow**, (1042 datasets, discrepancy no 02974);

- o Error of attribute value for some entity occurrences **Network Linear flow**, (7 datasets, discrepancy no 02975);

- o Error of attribute value Planimetric accuracy for some entity occurrences **Runway**, (6 datasets, discrepancy no 02985);

- o Error of attribute value Planimetric accuracy for some entity occurrences **Network Linear Flow** - Constructed qualifier, (122 datasets, discrepancy no 02995);

- o Error of attribute value for some entity occurrences **Network Linear Flow** - Constructed qualifier, (1 dataset, discrepancy no 03036);

- o Error of attribute value for some occurrences **Named Feature** - Area Geometry, (28 datasets, discrepancy no 03101);

- o Error of attribute value for some occurrences **Named Feature** - Line Geometry, (6 datasets, discrepancy no 03102);

- o Error of attribute value for some occurrences **Named Feature** - Area Geometry, (2 datasets, discrepancy no 03109);

- o Error of attribute value Planimetric accuracy for some entity occurrences Network Linear Flow – Constructed qualifier, (20 datasets, discrepancy no 03138);

- o Error of attribute value Planimetric accuracy for some entity occurrences **Network Linear Flow** - Inferred qualifier, (13 datasets, discrepancy no 03139);

- o Error of attribute value Elevation for an entity occurrence **Contour**, (2 datasets, discrepancy no 03162);

- o Error of attribute value can_aero_charting_system_id for some entity occurrences **Runway**, (1 dataset, discrepancy no 03183);

- o Error of attribute value Elevation for some entity occurrences **Elevation point**, (1 dataset, discrepancy no 03187);

- o Error of attribute value for some entity occurrences **Power transmission line**, (2 datasets, discrepancy no 03232);

- o Error of attribute value Extraction area type for some entity occurrences **Extraction area**, (26 datasets, discrepancy no 03237);

- o Error of attribute value Extraction area type for some entity occurrences **Extraction area**, (2 datasets, discrepancy no 03242);

- o Commission of attribute values for some entity occurrences **Network linear flow**, (2 datasets, discrepancy no 03250);

- o Error of attribute value Runway status for an entity occurrence **Runway**, (1 dataset, discrepancy no 03255);

- o Error of attribute value Runway status for some entity occurrences **Runway**, (94 datasets, discrepancy no 03256);

- o Error of attribute value Runway type for **Runway**, (46 datasets, discrepancy no 03258);

- o Error of attribute value Elevation point type for **Elevation point**, (509 datasets, discrepancy no 03259);

- o Error of attribute value Number of pipelines for some entity occurrences **Pipeline**, (1 dataset, discrepancy no 03270);

- o Error of attribute value for some entity occurrences **Network Linear Flow**, (1622 datasets, discrepancy no 03274);

- o Commission of some entity occurrences **Named Feature**, (268 datasets, discrepancy no 03355);

- o Error of value name_id for some entity occurrences **Network linear flow**, (8 datasets, discrepancy no 03356);

- o Error of attribute value name_lk1_id and name_rv1_id for some occurrence entities **Waterbody**, (12 datasets, discrepancy no 03370);

- o Error of attribute value name_1_id for some occurrence entities **Island**, (2 datasets, discrepancy no 03371);

- o Error of structuration of some entity occurrences - **Hydrography** theme, (11 datasets, discrepancy no 03373);

- o Missing some entities - **Hydrography** theme, (2 datasets, discrepancy no 03404);

- o Omission of some entity occurrences **Waterbody**, (1 dataset, discrepancy no 03449);

- o Commission of an entity occurrence **Named feature** - Spithead, (1 dataset, discrepancy no 03458);

- o Commission of some entity occurrences **Contour**, (1 dataset, discrepancy no 03460).

- o Omission of an entity occurrence **Network linear flow** – Observed qualifier, (2 datasets, discrepancy no 03465 and 2 datasets, discrepancy no 03466);

- o Error of structuration for an entity occurrence **Network linear flow**, (1 dataset, discrepancy no 03467);

- o Omission of an entity occurrence **Waterbody and Island**, (1 dataset, discrepancy no 03468);

- o Omission of an entity occurrence **Named feature** - Geometry point - Spithead, (1 dataset, discrepancy no 03472);

- o Commission of entity occurrence **Named feature** - Geometry point, (2 datasets, discrepancy no 03477);

- o Omission of entity occurrences **Named feature** – Geometry point, (1 dataset, discrepancy no 03478).

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	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_responsiblity	port_responsability

			port_responsiblity_fr	port_responsability_fr
			port_responsiblity_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.