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CanVec

Release Note

2017-06-21

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RELEASES HISTORY

Date	Description
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

June 21, 2017

RELEASE NOTE

The CanVec product includes the following improvements and modifications:

- Update of National Road Network (NRN) for Saskatchewan at the scale 1:50 000.
- Update of The Atlas of Canada data at the scale 1:1 000 000, 1:5 000 000, and 1:15 000 000.
- Correction of 38 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 values Planimetric accuracy - **Hydrography Theme**, (5 datasets, discrepancy no 02882);
 - Omission of attribute value Planimetric accuracy **Waterbody**, (1 dataset, discrepancy no 02900);
 - Omission of attribute values Validity Date for some entity occurrences **Waterbody** and **Island**, (20 datasets, discrepancy no 02902);
 - Error of attribute value for some entity occurrences **Network Linear Flow**, (2 datasets, discrepancy no 02972);
 - Error of attribute value Planimetric Accuracy for some entity occurrences **Hydrography theme**, (6 datasets, discrepancy no 02984);
 - Error of attribute values for some entity occurrences **Network Linear Flow**, (2 datasets, discrepancy no 02989);
 - Error of attribute value Validity Date for occurrences **Network Linear Flow - Observed**, (238 datasets, discrepancy no 03000);

- Error of attribute value for an entity occurrence **Network Linear Flow** - Type attribute, (1 dataset, discrepancy no 03120);
- Error of attribute values **Manmade Hydrographic Entity** - Type Attribute, (10 datasets, discrepancy no 03121);
- Error of attribute value Planimetric accuracy for some entity occurrences **Island**, (4 datasets, discrepancy no 03134);
- Error of attribute value Planimetric accuracy for an occurrence **Manmade Hydrographic Entity**, (1 dataset, discrepancy no 03136);
- Error of attribute value Planimetric accuracy for some entity occurrences **Hydrographic Obstacle Entity**, (1 dataset, discrepancy no 03137);
- Error of attribute value Planimetric accuracy for **Network Linear Flow** - Observed, (15 datasets, discrepancy no 03142);
- Error of attribute value Network Flow type for some entity occurrences **Network Linear Flow**, (2 datasets, discrepancy no 03143);
- Error of codification of some entity occurrences **Waterbody**, (97 datasets, discrepancy no 03149);
- Error of attribute value Permanency for some entity occurrences **Network Linear Flow**, (1 dataset, discrepancy no 03170);
- Error of attribute value Permanency for some entity occurrences **Manmade Hydrographic Entity**, (3 datasets, discrepancy no 03172);
- Error of attribute value Permanency for some entity occurrences **Manmade Hydrographic Entity**, (2 datasets, discrepancy no 03173);
- Error of attribute value Validity Date for some entity occurrences **Hydrographic Obstacle Entity**, (2 datasets, discrepancy no 03174);
- Commission for an entity occurrence **Island** - invalid geometry, (1 dataset, discrepancy no 03175);
- Error of attribute value GEONAMEDB, IDDATE, NAMEID_1, NAMEID_2 for some entity occurrences **Island**, (3 datasets, discrepancy no 03179);
- Commission of attribute value GEONAMEDB for some entity occurrences **Manmade Hydrographic Entity**, (2 datasets, discrepancy no 03180);
- Commission of attribute value GEONAMEDB for some entity occurrences **Manmade Hydrographic Entity**, (2 datasets, discrepancy no 03181);
- Commission of attribute value GEONAMEDB for some entity occurrences **Hydrographic Obstacle Entity**, (1 dataset, discrepancy no 03182);
- Error of attribute value for some entity occurrences **Hydrographic Obstacle Entity**, (1 dataset, discrepancy no 03184);
- Error of attribute value for some entity occurrences **Hydrographic Obstacle Entity**, (27 datasets, discrepancy no 03185);
- Error of attribute value NAMEDID_2 for some entity occurrences **Network Linear Flow**, (1 dataset, discrepancy no 03231);

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- Error of attribute value Shoreline Water Level for some entity occurrences **Waterbody**, (6 datasets, discrepancy no 03233);
 - Error of attribute value for **Waterbody**, **Named Feature** and **Network Linear Flow**, (1 dataset, discrepancy no 03240);
 - Commission of attribute values for some entity occurrences **Island**, (2 datasets, discrepancy no 03248);
 - Commission of attribute values for some entity occurrences **Hydrographic Obstacle Entity**, (18 datasets, discrepancy no 03249);
 - Omission of attribute value for Validity date for **Network Linear Flow**, (1 dataset, discrepancy no 03278);
 - Commission of some entity occurrences **Wharf**, (1 dataset, discrepancy no 03286);
 - Commission of an entity occurrence **Named feature** - Point Geometry, (1 dataset, discrepancy no 03471);
 - Error of codification for an entity occurrence **Liquids depot/dump - Pool**, (1 dataset, discrepancy no 03476);
 - Omission of an entity occurrence **Network linear flow**, (1 dataset, discrepancy no 03479).
 - Commission of an entity occurrence **Contour**, (2 datasets, discrepancy no 03481);
 - Error of Planimetric accuracy for **Network linear flow** - Inferred, (30 datasets, discrepancy no 03482).

- 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.