Natural Resources
Canada

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CanVec

Release note

2016-01-14

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RELEASES HISTORY

Date	Description
2016-01-14	Original version

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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.

Note: 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.

RELEASE DATE

January 14, 2016

RELEASE NOTE

The CanVec product includes the following improvements and modifications (datasets listed below are in reference to the National Topographic System (NTS) at the scale of 1:50 000):

- Update of metric Hypsographic Data (for datasets whose   unit contours were imperial): 1,055 datasets including:
    - 58 in British Columbia
    - 65 in Alberta
    - 119 in Saskatchewan
    - 133 in Manitoba
    - 28 in Ontario
    - 279 in Quebec
    - 8 in New Brunswick
    - 9 in Prince Edward Island
    - 92 in Newfoundland and Labrador
    - 111 in Yukon
    - 131 in Northwest Territories
    - 103 in Nunavut

- Update of Hydrography Network entities in Quebec.

- Correction of discrepancies for datasets and metadata in the CanVec product:

    - Omission of some entity occurrences **Waterbody**:
        - 13 datasets, discrepancy no 03060
        - 1 dataset, discrepancy no 03281
        - 1 dataset, discrepancy no 03285

    - Commission of small entity occurrence segments **Network Linear Flow** (106 datasets, discrepancy No. 03084);

- o Invalid geometry for some entity occurrences **Waterbody** and **Island**, (21 datasets, discrepancy No. 03239);

- o Error of attribute value Manmade Type and the geometry for an occurrence **Manmade Hydrographic Entity**, (1 dataset, discrepancy No. 03276);

- o Error of structuration of some entity occurrences **Hydrography** and **Hypsography**, (6 datasets, discrepancy No. 03289);

- o Error of the attribute value NAMEID for an entity occurrence **Island** - Penelakut Island, (1 dataset, discrepancy No. 03292).

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.

Scale	Theme	Feature name	Attribute name in the catalogue	Attribute name in CanVec
50K	Admin	municipal_boundary_2	name_legal_other_language	Missing
	ManMade	landmark_feature_0	landmark_structure_descr	landmark_feature_descr
		landmark_feature_1	landmark_structure_descr	landmark_feature_descr
	Hydro	water_linear_flow_1 watercourse_1 waterbody_2	name_other_language	language_other
	Land	island_2	name_other_language	language_other
	Transport	road_junction_0 road_ferry_1	acquisition_technique (en/fr) provider(en/fr) road_descriptor	Missing
		road_segment_1	acquisition_technique (en/fr),provider(en/fr)	Missing
		All layers track	md_id_attr et md_id_geom	md_id
250K	ManMade	dam_* protection_structure_*	country (en/fr) map_selection (en/fr)	Missing
	Hydro	hydro_obstacle_*	country (en/fr) map_selection (en/fr)	Missing
		watercourse_1	name_other_language	Missing
		waterbody_2	name_other_language	Missing
1M	Hydro	hydro_junction_0	MD_Temporal_extent_date_Min MD_Temporal_extent_date_Max MD_Horiz_Position_Accuracy_Min MD_Horiz_Position_Accuracy_Min	Missing
	Transport	rail_ferry_1	Track_owner_reporting_mark	Missing
5M	Transport	rail_ferry_1	Track_owner_reporting_mark	Missing