



GeoBC Atlas
Integrated Transportation Network
(dgtl_road_atlas.gdb)
Public Delivery Packaged Product
Attribute Data Dictionary

June 2024

1.0 dgtl_road_atlas.GDB

This dataset is supplied in Esri file geodatabase format and contains the linestring geometry and attribution for provincial road data. There are two feature classes in the database:

- **DGTL_ROAD_ATLAS_DPAR_SP** includes only roads that have names. These are primarily highways and local roads, along with named resource roads such as Forest Service Roads. There are also unofficial labels given to roads that are important for navigation such as turning lanes, and roads that connect significant places such as school access, industrial access, or mall access roads.
- **DGTL_ROAD_ATLAS_MPAR_SP** includes all the demographic roads in addition to the full dataset of non-demographic roads (without names). The bulk of non-demographic roads were acquired from satellite and aerial imagery. Therefore, the status of these roads cannot be confirmed, and they should not be used for any purpose that involves navigation or connectivity.

There is no difference between the schemas of the two versions of the data.

Attribute	Data Type	Description
OBJECTID	Object ID	ID automatically assigned by geodatabase
ID	Integer (long)	Persistent unique identifier for the segment
NAME_FULL	Character (70)	The primary road name
RD_CLASS	Character (12)	The navigational road classification, e.g alleyway, arterial, collector, etc.
ALIAS1_ID	Integer (long)	Unique ID for first alias road name
ALIAS2_ID	Integer (long)	Unique ID for second alias road name
ALIAS3_ID	Integer (long)	Unique ID for third alias road name
ALIAS4_ID	Integer (long)	Unique ID for fourth alias road name
FEAT_TYPE	Character (12)	The type classification, e.g. road, bridge, dam, ferry route, etc.
HWY_EXIT	Character (6)	The highway exit number for the road (e.g. 24, 117A).
HWY_RTE	Character (12)	The first highway route number for the road (e.g. 1, 97A). Route numbers are stored in numerical order.
INT_FROM	Integer (long)	Unique ID for FROM node

INT_TO	Integer (long)	Unique ID for TO node
LENGTH_2D	Integer (double)	The 2D road segment length in meters e.g. 123.345.
LENGTH_3D	Integer (double)	(Not used) the 3D Segment length in meters e.g. 123.345.
NAME_ID	Integer (long)	Unique ID for primary road name
NAME_ALI1	Character (70)	Alternate road name where more than one name in use for the segment
NAME_ALI2	Character (70)	Alternate road name where more than two names in use for the segment
NAME_ALI3	Character (70)	Alternate road name where more than three names in use for the segment
NAME_ALI4	Character (70)	Alternate road name where more than four names in use for the segment
RD_LN_TOT	Integer (short)	The total number of lanes on the road. NULL if the number of lanes is not known.
RD_SURFACE	Character (15)	The road surface type, e.g boat, decommissioned, loose, overgrown, paved, rough, unknown
SUP_CMPNY	Character (50)	Name of the data supplier company or organization
SUP_DETAIL	Character (50)	Additional details regarding the data supplying organization such as sub-organization or contractor.
SUP_METHOD	Character (30)	The data capture technique or positioning method, e.g cadastre, differentialGPS, orthoPhotography, etc.
SUP_SRC_DT	Character (8)	The Date of data capture in the format YYYYMMDD e.g. 20110623
geometry	LINestring	The column used to reference the spatial coordinates defining the feature