

Land Information Ontario Data Description

ORWN Track

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LIO Class Description

ORWN Track

Class Short Name: ORWNTRK

Version Number: 3

Class Description:

In the real world, a track provides a guide for the movement of trains and other equipment. In general, one linear feature represents the two rails of a track. A track is bounded by two junction points and is segmented at each change in attributes along its course. This layer is part of the Ontario Railway Network (ORWN) suite of Data Classes that have been adapted from Natural Resources Canada GEOBASE National Railway Network (NRWN) standards. Please refer to the ORWN Data Guide for additional information about the use and context of information stored in this layer.

Abstract Class Name: SPSLINE

Abstract Class Description:

Spatial Single-Line: An object is represented by ONE and ONLY ONE line segment. Line segments MUST be continuous. Examples: geological fault lines, roads at a 1: 600,000 scale.

Tables in LIO Class:

ORWN Track

ORWN_TRACK_FT

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Column Name	Column Type	Mandatory	Short Name	Valid Values
OGF_ID	NUMBER(13,0)	Yes	OGF_ID	
System-generated object identifier, unique at the application level.				
TRACKNID	VARCHAR2(32)	Yes	TRACKNID	
National Identifier (NID) assigned to every Track feature in the National Railway Network (NRWN) geodatabase. --- Each Track feature is defined by a junction at both ends and is made up of one or more uniquely identified Track segments (See Track Segment ID description).				
TRACKSEGID	VARCHAR2(32)	Yes	TRACKSEGID	
A unique National Identifier (NID) assigned to every Track segment with uniform characteristics. --- Note: Each Track segment will be assigned a unique identifier, and a group of Track segments may reference the same Track NID (See Track NID description).				
TRACKNAME	VARCHAR2(100)	Yes	TRACKNAME	
Name associated to the track by a national or sub national agency. --- Note: A value of "None" will be stored in this field when information is either not applicable or not available.				
TRACKCLASS	VARCHAR2(20)	Yes	TRACKCLASS	
Functional classification based on the importance of the role that the track performs in the connectivity of the rail network. --- The ORWN User-Guide provides the context of permissible values used in this field.				
REGULATOR	VARCHAR2(10)	Yes	REGULATOR	
Level of authority that issued the certificate of fitness to the Track Operator. --- The ORWN User-Guide provides the context of permissible values used in this field.				
TRANSPTYPE	VARCHAR2(10)	Yes	TRANSPTYPE	
The type of railway transport used on the track. --- The ORWN User-Guide provides the context of permissible values used in this field.				
USETYPE	VARCHAR2(25)	Yes	USETYPE	
Identification of what is transported on the track. --- The ORWN User-Guide provides the context of permissible values used in this field.				
GAUGE	VARCHAR2(10)	Yes	GAUGE	

The nominal distance between the two outer rails (gauge) of a railway track. --- The ORWN User-Guide provides the context of permissible values used in this field.

NUMTRACKS	NUMBER(1,0)	Yes	NUMTRACKS
The number of tracks represented by the track geometry.			
ELECTRIC	VARCHAR2(8)	Yes	ELECTRIC
Indication whether the railway is provided with an electric system to power vehicles moving along it. -- The ORWN User-Guide provides the context of permissible values used in this field.			
STATUS	VARCHAR2(20)	Yes	STATUS
The status of the Track feature. --- The ORWN User-Guide provides the context of permissible values used in this field.			
SPEEDFREIT	NUMBER(3,0)	Yes	SPEEDFREIT
Maximum allowable operating speed for freight trains (as measured in the "Unit of Speed" field). --- Note: A value of -1 will be stored in this field if the speed information is not available or applicable.			
SPEEDPASSE	NUMBER(3,0)	Yes	SPEEDPASSE
Maximum allowable operating speed for passenger trains (as measured in the "Unit of Speed" field). -- - Note: A value of -1 will be stored in this field if the speed information is not available or applicable.			
UNITOFSPEE	VARCHAR2(20)	Yes	UNITOFSPEE
Units of measure applied to the value stored in the Design Speed fields (Miles Per Hour OR Kilometres Per Hour OR Unknown). --- The ORWN User-Guide provides the context of permissible values used in this field.			
SOURCEID	VARCHAR2(50)	Yes	SOURCEID
Unique identifier (ID), usually a number, assigned to the track and used internally by a national or sub-national agency. --- Note: A value of "None" will be stored in this field when information is either not applicable or not available.			
OPERATOENA	VARCHAR2(100)	Yes	OPERATOENA
The English name of the rail company that operates the track. --- Note 1: A track operator is a railway company responsible for maintaining the track, signalling system, bridges, tunnels, stations, depots, wharfs, and other infrastructures connected with the track. --- Note 2: A value of "None" will be stored in this field when information is either not applicable or not available.			
OPERATOFNA	VARCHAR2(100)	Yes	OPERATOFNA
The French name of the rail company that operates the track. --- Note: A value of "None" will be stored in this field when information is either not applicable or not available.			
OPERATORMK	VARCHAR2(10)	Yes	OPERATORMK
The reporting mark associated to the Operator or Carrier as assigned by a national or sub national agency. The reporting mark usually represents the company acronym. For example, the reporting mark for Canadian National is CN. --- Note: A value of "None" will be stored in this field when information is either not applicable or not available.			
OPSUBSTART	NUMBER(5,2)	Yes	OPSUBSTART
Location where the operator portion of the Subdivision starts (expressed as a distance). The unit of measure is identified in the Operator Unit of Distance field.			
OPSUBEND	NUMBER(5,2)	Yes	OPSUBEND

measure is identified in the Operator Unit of Distance field.

OPSUBUDIS	VARCHAR2(9)	Yes	OPSUBUDIS
Unit of distance used by the operator for their operating start and end distances expressed as either Mile, Kilometre or Unknown.			
OWNERENA	VARCHAR2(100)	Yes	OWNERENA
The English name of the company that owns railway equipment and/or facilities.			
OWNERFNA	VARCHAR2(100)	Yes	OWNERFNA
The French name of the company that owns railway equipment and/or facilities.			
TRKUSR1ENA	VARCHAR2(100)	No	TRKUSR1ENA
Track User reference 1: The English Name of the company that uses railway equipment and/or facilities. A track may have up to four users. --- Note: A value of "None" will be stored in this field when information is either not applicable or not available.			
TRKUSR1FNA	VARCHAR2(100)	No	TRKUSR1FNA
Track User reference 1: The French Name of the company that uses railway equipment and/or facilities. A track may have up to four users. --- Note: A value of "None" will be stored in this field when information is either not applicable or not available.			
TRKUSR1RMK	VARCHAR2(10)	No	TRKUSR1RMK
Track User reference 1: The reporting mark associated to the User as assigned by a national or sub national agency. The reporting mark usually represents the company acronym. For example, the reporting mark for Canadian National is CN. --- Note: A value of "None" will be stored in this field when information is either not applicable or not available.			
TRKUSR2ENA	VARCHAR2(100)	No	TRKUSR2ENA
Track User reference 2: See description for Track User 1 English Name.			
TRKUSR2FNA	VARCHAR2(100)	No	TRKUSR2FNA
Track User reference 2: See description for Track User 1 French Name.			
TRKUSR2RMK	VARCHAR2(10)	No	TRKUSR2RMK
Track User reference 2: See description for Track User 1 Reporting Mark.			
TRKUSR3ENA	VARCHAR2(100)	No	TRKUSR3ENA
Track User reference 3: See description for Track User 1 English Name.			
TRKUSR3FNA	VARCHAR2(100)	No	TRKUSR3FNA
Track User reference 3: See description for Track User 1 French Name.			
TRKUSR3RMK	VARCHAR2(10)	No	TRKUSR3RMK
Track User reference 3: See description for Track User 1 Reporting Mark.			
TRKUSR4ENA	VARCHAR2(100)	No	TRKUSR4ENA
Track User reference 4: See description for Track User 1 English Name.			
TRKUSR4FNA	VARCHAR2(100)	No	TRKUSR4FNA
Track User reference 4: See description for Track User 1 French Name.			

TRKUSR4RMK	VARCHAR2(10)	No	TRKUSR4RMK
Track User reference 4: See description for Track User 1 Reporting Mark.			
SUBDI1NID	VARCHAR2(32)	Yes	SUBDI1NID
Subdivision reference 1: National Identifier (NID) assigned to the subdivision. --- A subdivision is an administrative unit of a national or regional network of tracks used to transport freight and/or passengers. A Subdivision is identified by a name or a number, and/or a colour and is delimited by a junction point at each extremity. --- Note: A value of "None" will be stored in this field when information is either not applicable or not available.			
SUBDI1NAME	VARCHAR2(100)	Yes	SUBDI1NAME
Subdivision reference 1: Name, number or colour associated to the subdivision. --- Note: A value of "None" will be stored in this field when information is either not applicable or not available.			
SUBD1START	NUMBER(5,2)	Yes	SUBD1START
Subdivision reference 1: Location where the subdivision starts (expressed as a distance). --- Note: A value of -1 will be stored in this field if distance information is not available or applicable.			
SUBD1END	NUMBER(5,2)	Yes	SUBD1END
Subdivision reference 1: Location where the subdivision ends (expressed as a distance). --- Note: A value of -1 will be stored in this field if distance information is not available or applicable.			
SUB1UNITDI	VARCHAR2(9)	Yes	SUB1UNITDI
Subdivision reference 1: The unit of distance used by a railway company for associated subdivision distance values expressed as either Mile, Kilometre or Unknown.			
SUBDI2NID	VARCHAR2(32)	No	SUBDI2NID
Subdivision reference 2: See description for Subdivision 1 NID.			
SUBDI2NAME	VARCHAR2(100)	No	SUBDI2NAME
Subdivision reference 2: See description for Subdivision 1 Name.			
SUBD2START	NUMBER(5,2)	No	SUBD2START
Subdivision reference 2: See description for Subdivision 1 Start Distance.			
SUBD2END	NUMBER(5,2)	No	SUBD2END
Subdivision reference 2: See description for Subdivision 1 End Distance.			
SUB2UNITDI	VARCHAR2(9)	No	SUB2UNITDI
Subdivision reference 2: See description for Subdivision 1 Unit of Distance.			
ADMINAREA	VARCHAR2(7)	Yes	ADMINAREA
The Administrative Area covered by this dataset. Limited to the extents of the Province of Ontario for the Ontario Railway Network (ORWN) data.			
SPECVERS	VARCHAR2(5)	Yes	SPECVERS
Version number of the GEOBASE standards used to create this dataset.			
SECURCLASS	VARCHAR2(12)	Yes	SECURCLASS
The security classification of the dataset as determined by Natural Resources Canada for the National Railway Network (NRWN) information. --- Data for the NRWN derived Ontario Railway Network (ORWN) are deemed to be "Unclassified".			

GEOCREDATE	VARCHAR2(8)	Yes	GEOCREDATE
The character date that the spatial data was created (Format: YYYYMMDD). --- Note: If the month or day is not known, the corresponding characters are left blank.			
GEOREVDATE	VARCHAR2(8)	No	GEOREVDATE
The character date that the spatial data was revised (Format: YYYYMMDD). --- Note: If the month or day is not known, the corresponding characters are left blank.			
GEOACQTECH	VARCHAR2(25)	Yes	GEOACQTECH
The type of data source or technique used to populate (create or revise) the geometry (spatial) data. -- The ORWN User-Guide provides the context of permissible values used in this field.			
GEOACCURA	NUMBER(3,0)	Yes	GEOACCURA
The planimetric accuracy of the represented feature expressed in (whole) metres as a circular map accuracy standard (CMAS). --- The value in this field represents the accuracy difference between the mapped feature against its real-world location. For example, a value of 10 metres for a mapped feature suggests that a person should be able to find the represented real-world feature within 10 metres of its mapped coordinates.			
GEOPROVIDE	VARCHAR2(25)	Yes	GEOPROVIDE
The affiliation of the organization that generated (created or revised) the geometry (spatial) data. --- The ORWN User-Guide provides the context of permissible values used in this field.			
ATTCREDATE	VARCHAR2(8)	Yes	ATTCREDATE
The character date that the attribute data was created (Format: YYYYMMDD). ----- Note: If the month or day is not known, the corresponding characters are left blank.			
ATTREVDATE	VARCHAR2(8)	No	ATTREVDATE
The character date that the attribute data was revised (Format: YYYYMMDD). ----- Note: If the month or day is not known, the corresponding characters are left blank.			
ATTACQTECH	VARCHAR2(25)	Yes	ATTACQTECH
The type of data source or technique used to populate (create or revise) the attribute data. --- The ORWN User-Guide provides the context of permissible values used in this field.			
ATTPROVIDE	VARCHAR2(25)	Yes	ATTPROVIDE
The affiliation of the organization that generated (created or revised) the attribute data. --- The ORWN User-Guide provides the context of permissible values used in this field.			
EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
Date/time the record was created or last modified in the source database.			
SHAPE	SDO_GEOMETRY	No	SHAPE
Geometry attribute.			