



Land Information Ontario

Warehouse Data Class Description
Report:

**OHN – Small Scale Class
Watercourse**

Format:
Standard NRVIS Interchange Format (SNIF)

Issued: February 3, 2011

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Introduction

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Published February 2011
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Using this Report

This report describes the contents and structure of the selected data class package in the format (SNIF) in which data classes are extracted from and published to the Ontario Land Information Warehouse. The purpose of this report is to assist data users in understanding the data received in the SNIF package, as well as to assist data publishers in creating a SNIF package for a single data class.

For a general overview of the SNIF package, refer to the document entitled [What is SNIF?](#) The document entitled *Land Information Ontario Detailed SNIF Subscription Specifications* provides a detailed examination of the SNIF.

This report is meant to be used in conjunction with the [Warehouse Data Class Description Report for Common Tables](#). These two reports together fully describe the complete contents of a SNIF package.

Data Class Overview

The Data Class Overview section provides an overall description of the data class, including version. The abstract class refers to the spatial characteristics to which this class conforms.

File List

The File List section lists the mandatory and optional data class tables that are contained within a SNIF package. Tables that are listed as optional may not necessarily be included in a SNIF package. This report only lists the tables that are contained within the SNIF package “spatial” folder. The tables in the “common” folder relate to every data class and are described in a separate *Warehouse Data Class Description Report for Common Tables*.

Product Data Model

The relevant tables for the data class are depicted in diagram form, showing the relationships between the tables. Common tables are not included in the diagram. Their relationships to the geographic unit (GEOG_UNIT) table are depicted in diagram form in the *Warehouse Data Class Description Report for Common Tables*.

Data Class Table Descriptions

This section of the report describes each table associated with the data class. A description of the table is included, along with column names, descriptions, types, and sizes. Columns which are considered mandatory are noted. The abbreviated column names that appear in the shape file itself are also shown.

Valid values are listed for any columns which have a predefined list of possible values. If there are more than six possible values, the first six are shown in the report with the column description. The complete list is shown in the report appendix.

Using this Report - continued

Some data classes are distributed with an enhanced shape file that contains all attributes from tables that are related to the geographic unit table in a one-to-one relationship. These columns are described in the “_DBF_VW” table in this section of the report. Each column description includes the source data class table in which the column exists. For example, the source for the DBF column “NAME” would be noted as AIRPORT_AIRSTRIP.OFFICIAL_NAME. This means that the NAME column is the OFFICIAL_NAME column located in the AIRPORT_AIRSTRIP table.

Appendix

The report appendix includes full listings of permissible values for columns with more than six possible values. Also included is a description of date fields that are included in every table.

Related Documents

[What is SNIF?](#)

[Warehouse Data Class Description Report for Common Tables](#)

[Ministry of Natural Resources Policy for Management of Classified Data in Ontario
Land Information Warehouse](#)

[Land Information Ontario Detailed SNIF Subscription Specifications](#)

[Land Information Ontario Detail SNIF Publication Specifications](#)

Data Class Overview

Data Class: OHN - 100K Watercourse, OHN - 200K Watercourse, OHN – 500K Watercourse, OHN - 1M Watercourse, OHN - 2M Watercourse, OHN - 5M Watercourse, OHN - 10M Watercourse

Short Name: OHN100WC, OHN200WC, OHN500WC, OHN1MWC, OHN2MWC, OHN5MWC, OHN10MWC

Version: 1.

Watercourses are linear features (natural and manmade) that describe various realizations of flowing water. This class is derived from the OHN - Watercourse class and used for cartographic purposes and web mapping services.

Abstract Class: SPMLINE

Spatial Multi-Line: An object is represented by ONE or MORE line segments. Line segments MAY be continuous and/or disjointed. Example: "Utility Line". Several line segments for a "Hydro Line" belonging to a particular grid may be interrupted by Utility Site "Hydro Stations".

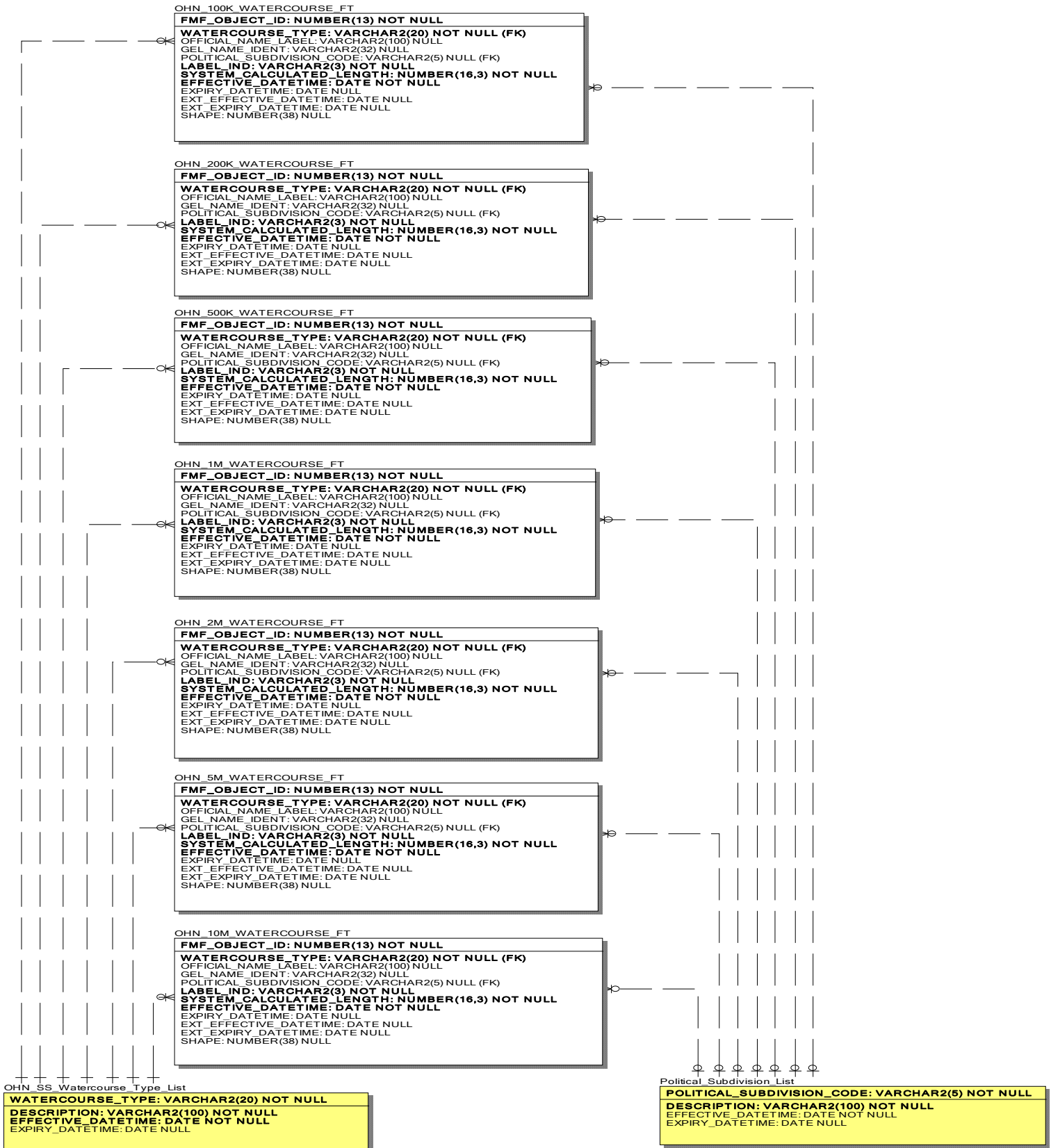
File List

The following list specifies the table files, along with their folder locations and type (mandatory, optional, or lookup), that are included in a SNIF package for this data class, as extracted from the Ontario Land Information Warehouse.

For data publishers, the table files that are not identified as mandatory may be included if the appropriate data is available. Likewise, additional common tables (as described in the *Warehouse Data Class Description Report for Common Tables*) are also identified as optional and may be included if the appropriate data is available. Table files identified as lookup tables provide descriptive values for codes within other tables. These tables do not need to be supplied by data publishers.

spatial\OHN100WC\OHN_SS_WATERCOURSE_TYPE_LIST.tbl	(lookup)
spatial\OHN100WC\POLITICAL_SUBDIVISION_LIST.tbl	(lookup)
spatial\OHN100WC\OHN_100K_WATERCOURSE_FT.tbl	Yes
spatial\OHN100WC\ohn100wc (shapefile)	No
spatial\OHN200WC\OHN_200K_WATERCOURSE_FT.tbl	Yes
spatial\OHN200WC\ohn200wc (shapefile)	No
spatial\OHN500WC\OHN_500K_WATERCOURSE_FT.tbl	Yes
spatial\OHN500WC\ohn500wc (shapefile)	No
spatial\OHN1MWC\OHN_1M_WATERCOURSE_FT.tbl	Yes
spatial\OHN1MWC\ohn1mwc (shapefile)	No
spatial\OHN2MWC\OHN_2M_WATERCOURSE_FT.tbl	Yes
spatial\OHN2MWC\ohn2mwc (shapefile)	No
spatial\OHN5MWC\OHN_5M_WATERCOURSE_FT.tbl	Yes
spatial\OHN5MWC\ohn5mwc (shapefile)	No
spatial\OHN10MWC\OHN_10M_WATERCOURSE_FT.tbl	Yes
spatial\OHN10MWC\ohn10mwc (shapefile)	No

Product Data Model



Data Class Table Descriptions

Table	OHN100WC_DBF_VW			
Desc:	OHN100WC shapefile attributes exported by LIDS (in ohn100wc.dbf).			
ID	Column Name	Type	Mandatory	Short Name
1	OBJECT_ID System-generated object identifier, unique at the application level.	NUMBER(13,0)	Yes	OBJECT_ID
2	DESCR Translated GUT_NUMBER.	CHAR	No	DESCR
3	GUT_NUMBER	NUMBER(38,0)	No	GUT_NUMBER
4	LABEL Label for identifying the feature.	CHAR	No	LABEL
5	WCRS_TYPE The type of watercourse. (Source: OHN_100K_WATERCOURSE_FT.WATERCOURSE_TYPE)	VARCHAR2(20)	Yes	WCRS_TYPE
6	OFF_NAME This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name". (Source: OHN_100K_WATERCOURSE_FT.OFFICIAL_NAME_LABEL)	VARCHAR2(100)	No	OFF_NAME
7	GEL_IDENT An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object. (Source: OHN_100K_WATERCOURSE_FT.GEL_NAME_IDENT)	VARCHAR2(32)	No	GEL_IDENT
8	POL_SUBDIV ISO codes for the representation of countries and their sub-divisions. (Source: OHN_100K_WATERCOURSE_FT.POLITICAL_SUBDIVISION_CODE)	VARCHAR2(5)	No	POL_SUBDIV
9	LABEL_IND Used to identify if the feature is to be labelled Default = No (Source: OHN_100K_WATERCOURSE_FT.LABEL_IND)	VARCHAR2(3)	Yes	LABEL_IND
10	SYS_LENGTH The perimeter of a polygon or length of a line measured in metres. (Source: OHN_100K_WATERCOURSE_FT.SYSTEM_CALCULATED_LENGTH)	NUMBER(16,3)	Yes	SYS_LENGTH
11	EFF_DATE Date/time that the record was created in the LIO database.	DATE	No	EFF_DATE

Table	OHN200WC_DBF_VW			
ID	Column Name	Type	Mandatory	Short Name
	Desc: OHN200WC shapefile attributes exported by LIDS (in ohn200wc.dbf).			
1	OBJECT_ID	NUMBER(13,0)	Yes	OBJECT_ID
	System-generated object identifier, unique at the application level.			
2	DESCR	CHAR	No	DESCR
	Translated GUT_NUMBER.			
3	GUT_NUMBER	NUMBER(38,0)	No	GUT_NUMBER
4	LABEL	CHAR	No	LABEL
	Label for identifying the feature.			
5	WCRS_TYPE	VARCHAR2(20)	Yes	WCRS_TYPE
	The type of watercourse. (Source: OHN_200K_WATERCOURSE_FT.WATERCOURSE_TYPE)			
6	OFF_NAME	VARCHAR2(100)	No	OFF_NAME
	This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name". (Source: OHN_200K_WATERCOURSE_FT.OFFICIAL_NAME_LABEL)			
7	GEL_IDENT	VARCHAR2(32)	No	GEL_IDENT
	An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object. (Source: OHN_200K_WATERCOURSE_FT.GEL_NAME_IDENT)			
8	POL_SUBDIV	VARCHAR2(5)	No	POL_SUBDIV
	ISO codes for the representation of countries and their sub-divisions. (Source: OHN_200K_WATERCOURSE_FT.POLITICAL_SUBDIVISION_CODE)			
9	LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND
	Used to identify if the feature is to be labelled Default = No (Source: OHN_200K_WATERCOURSE_FT.LABEL_IND)			
10	SYS_LENGTH	NUMBER(16,3)	Yes	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres. (Source: OHN_200K_WATERCOURSE_FT.SYSTEM_CALCULATED_LENGTH)			
11	EFF_DATE	DATE	No	EFF_DATE
	Date/time that the record was created in the LIO database.			

Table	OHN500WC_DBF_VW			
ID	Column Name	Type	Mandatory	Short Name
	Desc: OHN500WC shapefile attributes exported by LIDS (in ohn500wc.dbf).			
1	OBJECT_ID	NUMBER(13,0)	Yes	OBJECT_ID
	System-generated object identifier, unique at the application level.			
2	DESCR	CHAR	No	DESCR
	Translated GUT_NUMBER.			
3	GUT_NUMBER	NUMBER(38,0)	No	GUT_NUMBER
4	LABEL	CHAR	No	LABEL
	Label for identifying the feature.			
5	WCRS_TYPE	VARCHAR2(20)	Yes	WCRS_TYPE
	The type of watercourse. (Source: OHN_500K_WATERCOURSE_FT.WATERCOURSE_TYPE)			
6	OFF_NAME	VARCHAR2(100)	No	OFF_NAME
	This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name". (Source: OHN_500K_WATERCOURSE_FT.OFFICIAL_NAME_LABEL)			
7	GEL_IDENT	VARCHAR2(32)	No	GEL_IDENT
	An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object. (Source: OHN_500K_WATERCOURSE_FT.GEL_NAME_IDENT)			
8	POL_SUBDIV	VARCHAR2(5)	No	POL_SUBDIV
	ISO codes for the representation of countries and their sub-divisions. (Source: OHN_500K_WATERCOURSE_FT.POLITICAL_SUBDIVISION_CODE)			
9	LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND
	Used to identify if the feature is to be labelled Default = No (Source: OHN_500K_WATERCOURSE_FT.LABEL_IND)			
10	SYS_LENGTH	NUMBER(16,3)	Yes	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres. (Source: OHN_500K_WATERCOURSE_FT.SYSTEM_CALCULATED_LENGTH)			
11	EFF_DATE	DATE	No	EFF_DATE
	Date/time that the record was created in the LIO database.			

Table	OHN1MWC_DBF_VW			
ID	Column Name	Type	Mandatory	Short Name
	Desc: OHN1MWC shapefile attributes exported by LIDS (in ohn1mwc.dbf).			
1	OBJECT_ID	NUMBER(13,0)	Yes	OBJECT_ID
	System-generated object identifier, unique at the application level.			
2	DESCR	CHAR	No	DESCR
	Translated GUT_NUMBER.			
3	GUT_NUMBER	NUMBER(38,0)	No	GUT_NUMBER
4	LABEL	CHAR	No	LABEL
	Label for identifying the feature.			
5	WCRS_TYPE	VARCHAR2(20)	Yes	WCRS_TYPE
	The type of watercourse. (Source: OHN_1M_WATERCOURSE_FT.WATERCOURSE_TYPE)			
6	OFF_NAME	VARCHAR2(100)	No	OFF_NAME
	This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name". (Source: OHN_1M_WATERCOURSE_FT.OFFICIAL_NAME_LABEL)			
7	GEL_IDENT	VARCHAR2(32)	No	GEL_IDENT
	An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object.ct. (Source: OHN_1M_WATERCOURSE_FT.GEL_NAME_IDENT)			
8	POL_SUBDIV	VARCHAR2(5)	No	POL_SUBDIV
	ISO codes for the representation of countries and their sub-divisions. (Source: OHN_1M_WATERCOURSE_FT.POLITICAL_SUBDIVISION_CODE)			
9	LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND
	Used to identify if the feature is to be labelled Default = No (Source: OHN_1M_WATERCOURSE_FT.LABEL_IND)			
10	SYS_LENGTH	NUMBER(16,3)	Yes	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres. (Source: OHN_1M_WATERCOURSE_FT.SYSTEM_CALCULATED_LENGTH)			
11	EFF_DATE	DATE	No	EFF_DATE
	Date/time that the record was created in the LIO database.			

Table	OHN2MWC_DBF_VW			
ID	Column Name	Type	Mandatory	Short Name
	Desc: OHN2MWC shapefile attributes exported by LIDS (in ohn2mwc.dbf).			
1	OBJECT_ID	NUMBER(13,0)	Yes	OBJECT_ID
	System-generated object identifier, unique at the application level.			
2	DESCR	CHAR	No	DESCR
	Translated GUT_NUMBER.			
3	GUT_NUMBER	NUMBER(38,0)	No	GUT_NUMBER
4	LABEL	CHAR	No	LABEL
	Label for identifying the feature.			
5	WCRS_TYPE	VARCHAR2(20)	Yes	WCRS_TYPE
	The type of watercourse. (Source: OHN_2M_WATERCOURSE_FT.WATERCOURSE_TYPE)			
6	OFF_NAME	VARCHAR2(100)	No	OFF_NAME
	This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name". (Source: OHN_2M_WATERCOURSE_FT.OFFICIAL_NAME_LABEL)			
7	GEL_IDENT	VARCHAR2(32)	No	GEL_IDENT
	An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object.ct. (Source: OHN_2M_WATERCOURSE_FT.GEL_NAME_IDENT)			
8	POL_SUBDIV	VARCHAR2(5)	No	POL_SUBDIV
	ISO codes for the representation of countries and their sub-divisions. (Source: OHN_2M_WATERCOURSE_FT.POLITICAL_SUBDIVISION_CODE)			
9	LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND
	Used to identify if the feature is to be labelled Default = No (Source: OHN_2M_WATERCOURSE_FT.LABEL_IND)			
10	SYS_LENGTH	NUMBER(16,3)	Yes	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres. (Source: OHN_2M_WATERCOURSE_FT.SYSTEM_CALCULATED_LENGTH)			
11	EFF_DATE	DATE	No	EFF_DATE
	Date/time that the record was created in the LIO database.			

Table	OHN5MWC_DBF_VW			
ID	Column Name	Type	Mandatory	Short Name
	Desc: OHN5MWC shapefile attributes exported by LIDS (in ohn5mwc.dbf).			
1	OBJECT_ID	NUMBER(13,0)	Yes	OBJECT_ID
	System-generated object identifier, unique at the application level.			
2	DESCR	CHAR	No	DESCR
	Translated GUT_NUMBER.			
3	GUT_NUMBER	NUMBER(38,0)	No	GUT_NUMBER
4	LABEL	CHAR	No	LABEL
	Label for identifying the feature.			
5	WCRS_TYPE	VARCHAR2(20)	Yes	WCRS_TYPE
	The type of watercourse. (Source: OHN_5M_WATERCOURSE_FT.WATERCOURSE_TYPE)			
6	OFF_NAME	VARCHAR2(100)	No	OFF_NAME
	This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name". (Source: OHN_5M_WATERCOURSE_FT.OFFICIAL_NAME_LABEL)			
7	GEL_IDENT	VARCHAR2(32)	No	GEL_IDENT
	An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object.t. (Source: OHN_5M_WATERCOURSE_FT.GEL_NAME_IDENT)			
8	POL_SUBDIV	VARCHAR2(5)	No	POL_SUBDIV
	ISO codes for the representation of countries and their sub-divisions. (Source: OHN_5M_WATERCOURSE_FT.POLITICAL_SUBDIVISION_CODE)			
9	LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND
	Used to identify if the feature is to be labelled Default = No (Source: OHN_5M_WATERCOURSE_FT.LABEL_IND)			
10	SYS_LENGTH	NUMBER(16,3)	Yes	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres. (Source: OHN_5M_WATERCOURSE_FT.SYSTEM_CALCULATED_LENGTH)			
11	EFF_DATE	DATE	No	EFF_DATE
	Date/time that the record was created in the LIO database.			

Table	OHN10MWC_DBF_VW			
ID	Column Name	Type	Mandatory	Short Name
	Desc: OHN10MWC shapefile attributes exported by LIDS (in ohn10mwc.dbf).			
1	OBJECT_ID	NUMBER(13,0)	Yes	OBJECT_ID
	System-generated object identifier, unique at the application level.			
2	DESCR	CHAR	No	DESCR
	Translated GUT_NUMBER.			
3	GUT_NUMBER	NUMBER(38,0)	No	GUT_NUMBER
4	LABEL	CHAR	No	LABEL
	Label for identifying the feature.			
5	WCRS_TYPE	VARCHAR2(20)	Yes	WCRS_TYPE
	The type of watercourse. (Source: OHN_10M_WATERCOURSE_FT.WATERCOURSE_TYPE)			
6	OFF_NAME	VARCHAR2(100)	No	OFF_NAME
	This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name". (Source: OHN_10M_WATERCOURSE_FT.OFFICIAL_NAME_LABEL)			
7	GEL_IDENT	VARCHAR2(32)	No	GEL_IDENT
	An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object. (Source: OHN_10M_WATERCOURSE_FT.GEL_NAME_IDENT)			
8	POL_SUBDIV	VARCHAR2(5)	No	POL_SUBDIV
	ISO codes for the representation of countries and their sub-divisions. (Source: OHN_10M_WATERCOURSE_FT.POLITICAL_SUBDIVISION_CODE)			
9	LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND
	Used to identify if the feature is to be labelled Default = No (Source: OHN_10M_WATERCOURSE_FT.LABEL_IND)			
10	SYS_LENGTH	NUMBER(16,3)	Yes	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres. (Source: OHN_10M_WATERCOURSE_FT.SYSTEM_CALCULATED_LENGTH)			
11	EFF_DATE	DATE	No	EFF_DATE
	Date/time that the record was created in the LIO database.			

Table OHN_100K_WATERCOURSE_FT

Desc: Watercourses are line features (natural and manmade) that describe various realizations of flowing water.

ID	Column Name	Type	Mandatory	Short Name
1	FMF_OBJECT_ID System generated identifier, unique at the application level.	NUMBER(13,0)	Yes	OBJECT_ID
2	WATERCOURSE_TYPE The type of watercourse.	VARCHAR2(20)	Yes	WCRS_TYPE
3	OFFICIAL_NAME_LABEL This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name".	VARCHAR2(100)	No	OFF_NAME
4	GEL_NAME_IDENT An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object.	VARCHAR2(32)	No	GEL_IDENT
5	POLITICAL_SUBDIVISION_CODE ISO codes for the representation of countries and their sub-divisions.	VARCHAR2(5)	No	POL_SUBDIV
6	LABEL_IND Used to identify if the feature is to be labelled Default = No Valid Values: Yes, No	VARCHAR2(3)	Yes	LABEL_IND
7	SYSTEM_CALCULATED_LENGTH The perimeter of a polygon or length of a line measured in metres.	NUMBER(16,3)	Yes	SYS_LENGTH

Table OHN_200K_WATERCOURSE_FT

Desc: Watercourses are line features (natural and manmade) that describe various realizations of flowing water.

ID	Column Name	Type	Mandatory	Short Name
1	FMF_OBJECT_ID System generated identifier, unique at the application level.	NUMBER(13,0)	Yes	OBJECT_ID
2	WATERCOURSE_TYPE The type of watercourse.	VARCHAR2(20)	Yes	WCRS_TYPE
3	OFFICIAL_NAME_LABEL This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name".	VARCHAR2(100)	No	OFF_NAME
4	GEL_NAME_IDENT An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object.	VARCHAR2(32)	No	GEL_IDENT

5	POLITICAL_SUBDIVISION_CODE	VARCHAR2(5)	No	POL_SUBDIV
	ISO codes for the representation of countries and their sub-divisions.			
6	LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND
	Used to identify if the feature is to be labelled Default = No Valid Values: Yes, No			
7	SYSTEM_CALCULATED_LENGTH	NUMBER(16,3)	Yes	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres.			

Table OHN_500K_WATERCOURSE_FT

Desc: Watercourses are line features (natural and manmade) that describe various realizations of flowing water.

ID	Column Name	Type	Mandatory	Short Name
1	FMF_OBJECT_ID	NUMBER(13,0)	Yes	OBJECT_ID
	System generated identifier, unique at the application level.			
2	WATERCOURSE_TYPE	VARCHAR2(20)	Yes	WCRS_TYPE
	The type of watercourse.			
3	OFFICIAL_NAME_LABEL	VARCHAR2(100)	No	OFF_NAME
	This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name".			
4	GEL_NAME_IDENT	VARCHAR2(32)	No	GEL_IDENT
	An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object.			
5	POLITICAL_SUBDIVISION_CODE	VARCHAR2(5)	No	POL_SUBDIV
	ISO codes for the representation of countries and their sub-divisions.			
6	LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND
	Used to identify if the feature is to be labelled Default = No Valid Values: Yes, No			
7	SYSTEM_CALCULATED_LENGTH	NUMBER(16,3)	Yes	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres.			

Table OHN_1M_WATERCOURSE_FT

Desc: Watercourses are line features (natural and manmade) that describe various realizations of flowing water.

ID	Column Name	Type	Mandatory	Short Name
1	FMF_OBJECT_ID System generated identifier, unique at the application level.	NUMBER(13,0)	Yes	OBJECT_ID
2	WATERCOURSE_TYPE The type of watercourse.	VARCHAR2(20)	Yes	WCRS_TYPE
3	OFFICIAL_NAME_LABEL This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name".	VARCHAR2(100)	No	OFF_NAME
4	GEL_NAME_IDENT An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object.ct.	VARCHAR2(32)	No	GEL_IDENT
5	POLITICAL_SUBDIVISION_CODE ISO codes for the representation of countries and their sub-divisions.	VARCHAR2(5)	No	POL_SUBDIV
6	LABEL_IND Used to identify if the feature is to be labelled Default = No Valid Values: Yes, No	VARCHAR2(3)	Yes	LABEL_IND
7	SYSTEM_CALCULATED_LENGTH The perimeter of a polygon or length of a line measured in metres.	NUMBER(16,3)	Yes	SYS_LENGTH

Table OHN_2M_WATERCOURSE_FT

Desc: Watercourses are line features (natural and manmade) that describe various realizations of flowing water.

ID	Column Name	Type	Mandatory	Short Name
1	FMF_OBJECT_ID System generated identifier, unique at the application level.	NUMBER(13,0)	Yes	OBJECT_ID
2	WATERCOURSE_TYPE The type of watercourse.	VARCHAR2(20)	Yes	WCRS_TYPE
3	OFFICIAL_NAME_LABEL This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name".	VARCHAR2(100)	No	OFF_NAME
4	GEL_NAME_IDENT An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object.ct.	VARCHAR2(32)	No	GEL_IDENT

5	POLITICAL_SUBDIVISION_CODE	VARCHAR2(5)	No	POL_SUBDIV
	ISO codes for the representation of countries and their sub-divisions.			
6	LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND
	Used to identify if the feature is to be labelled Default = No Valid Values: Yes, No			
7	SYSTEM_CALCULATED_LENGTH	NUMBER(16,3)	Yes	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres.			

Table OHN_5M_WATERCOURSE_FT

Desc: Watercourses are line features (natural and manmade) that describe various realizations of flowing water.

ID	Column Name	Type	Mandatory	Short Name
1	FMF_OBJECT_ID	NUMBER(13,0)	Yes	OBJECT_ID
	System generated identifier, unique at the application level.			
2	WATERCOURSE_TYPE	VARCHAR2(20)	Yes	WCRS_TYPE
	The type of watercourse.			
3	OFFICIAL_NAME_LABEL	VARCHAR2(100)	No	OFF_NAME
	This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name".			
4	GEL_NAME_IDENT	VARCHAR2(32)	No	GEL_IDENT
	An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object.t.			
5	POLITICAL_SUBDIVISION_CODE	VARCHAR2(5)	No	POL_SUBDIV
	ISO codes for the representation of countries and their sub-divisions.			
6	LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND
	Used to identify if the feature is to be labelled Default = No Valid Values: Yes, No			
7	SYSTEM_CALCULATED_LENGTH	NUMBER(16,3)	Yes	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres.			

Table OHN_10M_WATERCOURSE_FT

Desc: Watercourses are line features (natural and manmade) that describe various realizations of flowing water.

ID	Column Name	Type	Mandatory	Short Name
1	FMF_OBJECT_ID System generated identifier, unique at the application level.	NUMBER(13,0)	Yes	OBJECT_ID
2	WATERCOURSE_TYPE The type of watercourse.	VARCHAR2(20)	Yes	WCRS_TYPE
3	OFFICIAL_NAME_LABEL This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name".	VARCHAR2(100)	No	OFF_NAME
4	GEL_NAME_IDENT An identifier from the Geographic Named Extent Layer (GEL). This is a unique, 32 length, alpha-numeric identifier used to distinguish an object.	VARCHAR2(32)	No	GEL_IDENT
5	POLITICAL_SUBDIVISION_CODE ISO codes for the representation of countries and their sub-divisions.	VARCHAR2(5)	No	POL_SUBDIV
6	LABEL_IND Used to identify if the feature is to be labelled Default = No Valid Values: Yes, No	VARCHAR2(3)	Yes	LABEL_IND
7	SYSTEM_CALCULATED_LENGTH The perimeter of a polygon or length of a line measured in metres.	NUMBER(16,3)	Yes	SYS_LENGTH

Table OHN_SS_WATERCOURSE_TYPE_LIST

Desc: The type of watercourse.

ID	Column Name	Type	Mandatory	Short Name
1	WATERCOURSE_TYPE The type of watercourse.	VARCHAR2(20)	Yes	WCRS_TYPE
2	DESCRIPTION Describes the Watercourse Type	VARCHAR2(100)	Yes	DESCR

Table POLITICAL_SUBDIVISION_LIST

Desc: ISO code list for the countries and their sub-divisions.

ID	Column Name	Type	Mandatory	Short Name
1	POLITICAL_SUBDIVISION_CODE ISO codes for the representation of countries and their sub-divisions.	VARCHAR2(5)	Yes	POL_SUBDIV
2	DESCRIPTION Describes the Subdivision Code	VARCHAR2(100)	Yes	DESCR

Appendix

Lookup Tables

These tables are lookup tables containing codes and associated descriptive values.

Table Name: Political Subdivision List

POLITICAL_SUBDIVISION_CODE	DESCRIPTION	EXPIRY_DATETIME
CA-AB	Canada - Alberta	
CA-BC	Canada - British Columbia	
CA-MB	Canada - Manitoba	
CA-NB	Canada - New Brunswick	
CA-NL	Canada - Newfoundland and Labrador	
CA-NS	Canada - Nova Scotia	
CA-NT	Canada - Northwest Territories	
CA-NU	Canada - Nunavut	
CA-ON	Canada - Ontario	
CA-PE	Canada - Prince Edward Island	
CA-QC	Canada - Quebec	
CA-SK	Canada - Saskatchewan	
CA-YT	Canada - Yukon Territory	
US-AK	United States - Alaska	
US-AL	United States - Alabama	
US-AR	United States - Arkansas	
US-AZ	United States - Arizona	
US-CA	United States - California	
US-CO	United States - Colorado	
US-CT	United States - Connecticut	

US-DE	United States - Delaware	
US-FL	United States - Florida	
US-GA	United States - Georgia	
US-HI	United States - Hawaii	
US-IA	United States - Iowa	
US-ID	United States - Idaho	
US-IL	United States - Illinois	
US-IN	United States - Indiana	
US-KS	United States - Kansas	
US-KY	United States - Kentucky	
US-LA	United States - Louisiana	
US-MA	United States - Massachusetts	
US-MD	United States - Maryland	
US-ME	United States - Maine	
US-MI	United States - Michigan	
US-MN	United States - Minnesota	
US-MO	United States - Missouri	
US-MS	United States - Mississippi	
US-MT	United States - Montana	
US-NC	United States - North Carolina	
US-ND	United States - North Dakota	
US-NE	United States - Nebraska	
US-NH	United States - New Hampshire	
US-NJ	United States - New Jersey	
US-NM	United States - New Mexico	
US-NV	United States - Nevada	

US-NY	United States - New York	
US-OH	United States - Ohio	
US-OK	United States - Oklahoma	
US-OR	United States - Oregon	
US-PA	United States - Pennsylvania	
US-RI	United States - Rhode Island	
US-SC	United States - South Carolina	
US-SD	United States - South Dakota	
US-TN	United States - Tennessee	
US-TX	United States - Texas	
US-UT	United States - Utah	
US-VA	United States - Virginia	
US-VT	United States - Vermont	
US-WA	United States - Washington	
US-WI	United States - Wisconsin	
US-WV	United States - West Virginia	
US-WY	United States - Wyoming	

Table Name: OHN_SS Watercourse Type List

WATERCOURSE_TYPE	DESCRIPTION	EXPIRY_DATETIME
Stream	A natural body of water (such as a river, stream or creek) through which water flows.	
Virtual Flow	An inferred watercourse feature needed to maintain the continuity of water flow.	

Appendix (continued)

Date Information

Note that the format for date attribute columns is yyyy-mm-dd-hh:mm:ss. An example is 1998-02-16-00:00:00.

Standard date columns are shown on the data model diagram, but to save space are not repeated for each of the detailed table descriptions. The descriptions below apply to all of them.

Column Name	Type	Man	Short Name
EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
For subscription: Date/time that the record was created in the LIO database. For publication: Date/time that the record was created in the source database.			
EXPIRY_DATETIME	DATE	No	EXP_DATE
For subscription: Date/time the record is no longer valid in the LIO database. For publication: Date/time the record is no longer valid in the source database.			
EXT_EFFECTIVE_DATETIME	DATE	Yes	EXT_EFF_DT
For subscription: Date/time that the record was created in the source database. For publication: not applicable.			
EXT_EXPIRY_DATETIME	DATE	No	EXT_EXP_DT
For subscription: Date/time the record is no longer valid in the source database. For publication: not applicable.			

All tables contain EFFECTIVE_DATETIME and EXPIRY_DATETIME.
All tables except lookup tables also contain EXT_EFFECTIVE_DATETIME and EXT_EXPIRY_DATETIME.