

Land Information Ontario Data Description

OHN – 2M Waterbody

Disclaimer

This technical documentation has been prepared by the Ministry of Natural Resources (the “Ministry”), representing Her Majesty the Queen in right of Ontario. Although every effort has been made to verify the information, this document is presented as is, and the Ministry makes no guarantees, representations or warranties with respect to the information contained within this document, either express or implied, arising by law or otherwise, including but not limited to, effectiveness, completeness, accuracy, or fitness for purpose. The Ministry is not liable or responsible for any loss or harm of any kind arising from use of this information.

Some of the information in this document is nonconvertible or has not yet been made accessible and may not be compatible with assistive technologies. If you need any of the information in an alternate format, please contact LIO Support at lio@ontario.ca or (705) 755-1878.

LIO Class Description

OHN - 2M Waterbody

Class Short Name: OHN2MWB

Version Number: 1

Class Description:

Waterbodies are polygon features (natural and constructed) that describe various realizations of surface water. This is a generalization of the medium scale OHN - Waterbody class and is used for cartographic purposes and web mapping services.

Abstract Class Name: SPMNTPOLY

Abstract Class

Description:

Spatial Multi-Non-Tessellating-Polygon: An object is represented by ONE or MORE polygons. Polygons may NOT overlap. HOLES within and GAPS between polygons ARE allowed. Example: the St. Lawrence Islands National Park, where the Park itself is made up of many islands.

Metadata URL:

Tables in LIO Class:
OHN - 2M Waterbody

OHN_2M_WATERBODY_FT

Waterbodies are polygon features (natural and constructed) that describe various realizations of surface water.

Column Name	Column Type	Mandatory	Short Name	Valid Values
OGF_ID	NUMBER(13,0)	Yes	OGF_ID	
A unique numeric provincial identifier assigned to each object.				
WATERBODY_TYPE	VARCHAR2(20)	Yes	WBDY_TYPE	Lake, Ocean, River (See OHN_SS_WATERBODY_TYPE_LIST table)
The nature of a body of water defined according to its water velocity and usage.				
OFFICIAL_NAME_LABEL	VARCHAR2(100)	No	OFF_NAME	
This field is a concatenation of the Geographic Named Extent Fields "Official Name" and "Alternate Name".				
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.				
POLITICAL_SUBDIVISION_CODE	VARCHAR2(5)	No	POL_SUBDIV	CA-AB, CA-BC, CA-MB, CA-NB, CA-NL, CA-NS, ... (See POLITICAL_SUBDIVISION_LIST table)
ISO codes for the representation of countries and their sub-divisions.				
LABEL_IND	VARCHAR2(3)	Yes	LABEL_IND	Yes, No
Used to identify if the feature is to be labelled Default = No				
SYSTEM_CALCULATED_AREA	NUMBER(16,3)	Yes	SYS_AREA	
The area of a polygon measured in square metres.				
SYSTEM_CALCULATED_PERIMETER	NUMBER(16,3)	Yes	SYS_PERIM	
The perimeter of a polygon or length of a line measured in metres.				
GEOMETRY_UPDATE_DATETIME	DATE	No	GEO_UPD_DT	
Date/time the geometry was created or last modified in the source database.				
EFFECTIVE_DATETIME	DATE	No	EFF_DATE	
Date/time the record was created or last modified in the source database.				
SHAPE	SDO_GEOMETRY	No	SHAPE	
Geometry attribute.				

OHN_SS_WATERBODY_TYPE_LIST

The nature of a body of water defined according to its water velocity and usage.

Column Name	Column Type	Mandatory	Short Name	Valid Values
WATERBODY_TYPE	VARCHAR2(20)	Yes	WBDY_TYPE	
The nature of a body of water defined according to its water velocity and usage.				

DESCRIPTION	VARCHAR2 (100)	Yes	DESCR
--------------------	-------------------	-----	-------

Describes the Waterbody Type

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
---------------------------	------	-----	----------

Date/time the record was created or last modified in the source database.

EXPIRY_DATETIME	DATE	No	EXP_DATE
------------------------	------	----	----------

Date/time that the record was expired from use.

POLITICAL_SUBDIVISION_LIST

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

Column Name	Column Type	Mandatory	Short Name	Valid Values
--------------------	--------------------	------------------	-------------------	---------------------

POLITICAL_SUBDIVISION_CODE	VARCHAR2 (5)	Yes	POL_SUBDIV
-----------------------------------	-----------------	-----	------------

ISO codes for the representation of countries and their sub-divisions.

DESCRIPTION	VARCHAR2 (100)	Yes	DESCR
--------------------	-------------------	-----	-------

Describes the Subdivision Code

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
---------------------------	------	-----	----------

Date/time the record was created or last modified in the source database.

EXPIRY_DATETIME	DATE	No	EXP_DATE
------------------------	------	----	----------

Date/time that the record was expired from use.

LIO Lookup Table Values:
OHN_SS_WATERBODY_TYPE_LIST

WATERBODY TYPE	DESCRIPTION	EXPIRY DATETIME
Lake	A natural body of water that is localized to the bottom of basin and moves slowly if it moves at all	
Ocean	A coastal waterbody (Hudson Bay and James Bay).	
River	A natural body of water (such as a river, stream or creek) through which water may flow.	

LIO Lookup Table Values:
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	

LIO Table Relationships for Class:

OHN - 2M Waterbody

OHN_2M_WATERBODY_FT	<p>←----- OHN_2M_WATERBODY_FT.WATERBODY_TYPE = OHN_SS_WATERBODY_TYPE_LIST.WATERBODY_TYPE</p>	OHN_SS_WATERBODY_TYPE_LIST
	<p>←----- OHN_2M_WATERBODY_FT.POLITICAL_SUBDIVISION_CODE = POLITICAL_SUBDIVISION_LIST.POLITICAL_SUBDIVISION_CODE</p>	POLITICAL_SUBDIVISION_LIST