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Land Information Ontario (LIO) Warehouse

Data Class Name: Wetland

Documentation

Produced by: Spatial Data Support Unit

Ministry of Natural Resources and Forestry

Date: June 9, 2020

**Purpose**

This document provides additional information to support the use of the data. The Physical Model Diagram provides a visual representation of the relationships in the data class. The Data Change History lists all the modelling and access changes that have occurred during the lifecycle of the data class. A data description identifying table and field names is available upon request.

**Need Assistance?**

Please contact LIO Support at [lio@ontario.ca](mailto:lio@ontario.ca) or 705-772-5891 if you require additional help.

# Physical Model Diagram

Wetland Physical Data Model 

Image of the physical data model for a data layer in the Land Information Ontario Warehouse.  It shows the cardinality and relationship between tables and lists the names of the attributes in each table.  It also identifies primary and foreign keys.  For further explanation contact lio@ontario.ca

# Data Class Change History

Data Class Name: Wetland

Data Class Short Name: WETLAND

| Date  YYYY-MM-DD | Details of Change |
| --- | --- |
| **2020-06-09** | Replicate EVALUATED\_WETLAND columns:   * EVALUATED\_WETLAND\_NAME * WETLAND\_SIGNIFICANCE   into WETLAND\_FT to provide a flat table view for use in a web service. |
| **2019-10-08** | WETLAND\_FT altered columns:   * VEG\_COMMUNITY\_CODE increased from 5 to 20 characters * MAP\_CODE increased from 3 to 20 characters * GENERAL\_COMMENTS reduced from 2000 to 500 characters * LOCATION\_DESCR reduced from 2000 to 254 characters |
| **2016-06-14** | 1. NEW column: WETLAND\_FT.COASTAL\_IND (yes/no) 2. DROPPED column: WETLAND\_FT.GEOG\_UNIT\_DESCR 3. ALTERED column: WETLAND\_FT.WETLAND\_TYPE check constraint: Removed value ‘Treed Peatland’ from valid values pick-list. 4. DROPPED column: EVALUATED\_WETLAND.NHIC\_NATURAL\_AREA\_ID |
| **2013-06-14** | Changes are limited to main WETLAND\_FT table:   1. ALTERED column: Increase PERCENT\_OPEN\_WATER field from 2 to 3. 2. NEW column: MAP\_CODE VARCHAR2(3). |
| **2013-06-14** | Re-order WETLAND\_FT table so that IMPACT and MAP\_CODE Columns sit below PLAN\_PROTECTION field. |
| **2012** | Class Change: Renamed WETLAND UNIT to WETLAND |
| **2011-07-13** | Data Access Change: Wetland Unit now available to Unrestricted Use Licence Holders  The Wetland Unit data layer, formerly available to the public for purchase, is now available under the Unrestricted Use Licence. Existing licence holders will now be able to download the data as they would any other unrestricted data layer. Those wishing to access Wetland Unit data, along with any other Unrestricted Use data layer are encouraged to sign the Unrestricted Use Licence, available at the following site: http://www.mnr.gov.on.ca/en/Business/LIO/2ColumnSubPage/STEL02\_167959.html#UUL\_  Due to the frequency of updates and the size of the data layer, it is recommended that users order smaller geographic areas than the full province to prevent delays in delivery. |
| **2011-05-13** | Column added WETLAND\_UNIT\_FT.SOURCE\_DETAIL  Added a field called Source Detail to the Wetland Unit table to allow users to enter details about the source. |
| **2011-05-13** | Table dropped: WETLAND\_UNIT\_JUSTIFICATON  Removed the table WETLAND\_UNIT\_JUSTIFICATION. The JUSTIFICATION table that was attached to the Wetland Unit Justification table will now be attached to WETLAND\_UNIT\_FT directly. |
| **2011-05-13** | Relationship added between SOURCE and WETLAND\_UNIT\_FT  This relationship will allow a user to identify one source for each Wetland Unit. |
| **2011-05-13** | Relationship change: JUSTIFICATION  Attached JUSTIFICATION directly to Wetland Unit to allow users to capture a single Justification record for each Wetland Unit if it is required. |
| **2011-05-13** | The table WETLAND\_UNIT\_SOURCE has been renamed to WETLAND\_UNIT\_SOURCE\_HISTORY. This table captures the existing source information for historical purposes. It will be non-editable table. |
| **2011-05-13** | WETLAND\_UNIT\_FT table description updated to:  Wetlands are lands that are seasonally or permanently flooded by shallow water as well as lands where the water table is close to the surface. In either case, the presence of abundant water causes the formation of moist soils and favours the dominance of water tolerant plants. |
| **2010** | Table added: WETLAND\_UNIT\_JUSTIFICATION  This table was previously called GEOG\_UNIT\_JUSTIF however with the removal of GEOG\_UNIT it has been renamed and attached directly to the WETLAND\_UNIT\_FT  Table added: WETLAND\_UNIT\_SOURCE  This table was previously called GEOG\_UNIT\_SOURCE however with the removal of GEOG\_UNIT it has been renamed and attached directly to the WETLAND\_UNIT\_FT  Table dropped: GEOG\_UNIT  Wetland Unit is being converted to a Simple data class. This involves the removal of the GEOG\_UNIT table and moving specific attributes that need to be maintained to the feature class table (i.e. WETLAND\_UNIT).  The Columns that will be moved from GEOG\_UNIT to WETLAND\_UNIT are:  - General Comments  - Geographic Unit Description  - Location Description  - Location Accuracy  - Verification Status Flag  - Verification Status Date  - Business Effective Date Flag  - Business Effective Date  - System Calculated Area  - System Calculated Length  Column altered: WETLAND\_UNIT.WETLAND\_FMF\_OBJECT\_ID  The foreign key name in the Wetland Unit table has been renamed from Wetland FMF Object Id to Evaluated Wetland Object Id for clarity.  Column added WETLAND\_UNIT.WETLAND\_UNIT\_TYPE:  This field has been added to identify the type of wetland (bog, marsh, fen, swamp, open water, unknown). This distinction has previously been done by a Geographic Unit Type (GUT) however with the simple class this is no longer available. The option for Unknown has been added to allow a wetland to remain unclassified.  Column added WETLAND\_UNIT.EVALUATED\_WETLAND\_INDICATOR added to indicate if a wetland unit has been evaluated. In order to determine the Wetland Significance a user will need to look at the Evaluated Wetland table.  Column dropped: WETLAND\_UNIT.OFFICIAL\_NAME  The field called "Official Name" has been removed and any existing data in the field has been moved to the ALIAS NAME table. This change was made as it was causing confusion for several reasons including:  - it was an optional field and may not have been filled out  - the name identified in it may have been different than the Evaluated Wetland Name  - in many cases it was not an “Officially” recognized name. |
| **1996** | NEW Data Class for NRVIS 1.0 |

Data Description  
Please refer to the metadata record for the data description.