



Land Information Ontario

Warehouse Data Class Description
Report:

Crown Land – MNR
Unpatented Land Public

Format:
Standard NRVIS Interchange Format (SNIF)

Issued: June 21, 2010

Table of Contents

<i>Introduction.....</i>	<i>3</i>
<i>Using this Report.....</i>	<i>4</i>
<i>Related Documents</i>	<i>5</i>
<i>Data Class Overview</i>	<i>6</i>
<i>File List.....</i>	<i>7</i>
<i>Product Data Model.....</i>	<i>8</i>
<i>Data Class Table Descriptions.....</i>	<i>9</i>
<i>Appendix.....</i>	<i>12</i>

Introduction

Disclaimer

This technical documentation has been prepared by the Ministry of Natural Resources (the “Ministry”), representing Her Majesty the Queen in right of Ontario. No warranties or representations, express or implied, statutory or otherwise shall apply or are being made by the Ministry with respect to the documentation, its accuracy or its completeness.

In no event will the Ministry be liable or responsible for any lost profits, loss of revenue or earnings, claims by third parties or for any economic, indirect, special, incidental, consequential or exemplary damage resulting from any errors, inaccuracies or omissions in this documentation; and in no event will the Ministry’s liability for any such errors, inaccuracies or omissions on any particular claim, proceeding or action, exceed the actual consideration paid by the claimant involved to the Ministry for the materials to which this instructional documentation relates. Save and except for the liability expressly provided for above, the Ministry shall have no obligation, duty or liability whatsoever in contract, tort or otherwise, including any liability or negligence. The limitations, exclusions and disclaimers expressed above shall apply irrespective of the nature of any cause of action, demand or action, including but not limited to breach of contract, negligence, strict liability, tort or any other legal theory, and shall survive any fundamental breach or breaches.

Additional Information

For more information about this document, please contact Land Information Ontario at (705) 755-1878 or lio@ontario.ca

Published June 2010
© 2010 Queen's Printer for Ontario

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: Crown Land - MNR Unpatented Land Public
Short Name: CRNLND_P
Version: 1

Lands that are under the mandate or management of the Ministry of Natural Resources. Generally this means the land has never been patented (unpatented crown) and therefore is still under management of the crown. Public land is generally synonymous with crown land. Generally, it is land that has never been granted or sold by the Crown to people or organizations for their private use. The rules governing the administration of Crown land are laid out in a provincial law known as the Public Lands Act. May include lands that have been temporarily been disposed of, e.g. Leases and Land Use Permits. For more details on disposition information, see data class 'Crown Land - MNR Dispositions'. Contents of this data class has been modified from it's original form for use by OGDE members.

Abstract Class: SPMNTPOLY

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.

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.

common\EXTERNAL_REF_TYPE.tbl	(lookup)
common\GEOG_UNIT_AND_JUSTIF.tbl	No
common\GEOG_UNIT_AND_SOURCE.tbl	Yes
common\GEOG_UNIT_AND_SUPP_MATERIAL.tbl	No
common\GEOG_UNIT_DATABASE_REFERENCE.tbl	No
common\GEOG_UNIT_OTHER_INFORMATION.tbl	No
common\GEOG_UNIT_PARTY.tbl	No
common\JUSTIFICATION.tbl	No
common\LOCATION_ACCURACY_LIST.tbl	(lookup)
common\ROLE_TYPE_LIST.tbl	(lookup)
common\SOURCE.tbl	(lookup)
common\SUPPORTING_MATERIAL.tbl	No
spatial\CRNLND_P\CL_UNPATENTED_VW.tbl	Yes
spatial\CRNLND_P\GEOG_UNIT.tbl	Yes
spatial\CRNLND_P\crnlnd_p (shapefile)	No

Product Data Model

GEOG_UNIT

FMF_Object_Id: NUMBER(13) NOT NULL
Conc_Class_Short_Name: VARCHAR2(8) NOT NULL
Geog_Unit_Type_Num: NUMBER(7) NOT NULL
GEOG_UNIT_DESCR: VARCHAR2(2000) NULL
VERIFICATION_STATUS_FLG: VARCHAR2(10) NULL
Verification_Status_Date: DATE NULL
BUSINESS_EFF_DATE_FLG: VARCHAR2(10) NULL
Business_Effective_Date: DATE NULL
Business_Expiry_Date: DATE NULL
Location_Accuracy: VARCHAR2(25) NOT NULL
LOCATION_DESCR: VARCHAR2(2000) NULL
DATA_SENSITIVITY_IND: VARCHAR2(3) NOT NULL
Sensitivity_Class: VARCHAR2(15) NOT NULL
Sensitivity_Date: DATE NOT NULL
Sensitivity_Rationale: VARCHAR2(50) NOT NULL
SENS_RATIONALE_OTHER_DESCR: VARCHAR2(250) NULL
System_Calculated_Area: NUMBER(16,3) NULL
System_Calculated_Length: NUMBER(16,3) NULL
User_Calculated_Metric: NUMBER(16,3) NULL
General_Comments: VARCHAR2(2000) NULL
PUBLISHER_ID: NUMBER(5) NULL
Effective_DateTime: DATE NULL
EXT_EFFECTIVE_DATETIME: DATE NOT NULL

CL_UNPATENTED

FMF_Object_Id: NUMBER(13) NOT NULL (FK)
SURVEY_LOCATION_IDENT: VARCHAR2(10) NULL
AREA_IN_HA: NUMBER(12,3) NULL
EXT_EFFECTIVE_DATETIME: DATE NOT NULL
EXT_EXPIRY_DATETIME: DATE NULL
EFFECTIVE_DATETIME: DATE NOT NULL
EXPIRY_DATETIME: DATE NULL

Data Class Table Descriptions

Table CL_UNPATENTED_VW

Desc:

0	Column Name Comments	Type	Mandatory	Short Name
1	FMF_OBJECT_ID	NUMBER(13,0)	Yes	OBJECT_ID
2	SURVEY_LOCATION_IDENT	VARCHAR2(10)	No	SURVEY_ID
3	AREA_IN_HA	NUMBER(12,3)	No	AREA_IN_HA

Table CRNLND_P_DBF_VW

Desc: CRNLND_P shapefile attributes exported by LIDS (in crnlnd_p.dbf).

0	Column Name Comments	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.	VARCHAR2(75)	Yes	DESCR
3	GUT_NUMBER Identifier of the Geographic Unit Type. (Source: GEOG_UNIT.GEOG_UNIT_TYPE_NUM)	NUMBER(7,0)	Yes	GUT_NUMBER
4	LABEL Label for identifying the feature.	CHAR	No	LABEL
5	SURVEY_ID Either the Crown Location (CL) Number or Survey Number (SN). (Source: CL_UNPATENTED.SURVEY_LOCATION_IDENT)	VARCHAR2(10)	No	SURVEY_ID
6	AREA_IN_HA The calculated extent of a 2-dimensional surface enclosed within a boundary measured in hectares (ha). (Source: CL_UNPATENTED.AREA_IN_HA)	NUMBER(12,3)	No	AREA_IN_HA
7	VERISTT_FL	VARCHAR2(10)	No	VERISTT_FL

An indication as to whether a qualified employee has verified the existence of the geographic unit. (Source: GEOG_UNIT.VERIFICATION_STATUS_FLG)

8	VERISTT_DT	VARCHAR2(10)	No	VERISTT_DT
	Date that the geographic unit was verified/validated. (Source: GEOG_UNIT.VERIFICATION_STATUS_DATE)			
9	BUSEFFDTFL	VARCHAR2(10)	No	BUSEFFDTFL
	Indication of whether the business effective date is an actual or estimated value. (Source: GEOG_UNIT.BUSINESS_EFF_DATE_FLG)			
10	BUS_EFF_DT	VARCHAR2(10)	No	BUS_EFF_DT
	Date that the record becomes effective in relation to the business i.e. the date MNR became aware of its existence. (Source: GEOG_UNIT.BUSINESS_EFFECTIVE_DATE)			
11	ACCURACY	VARCHAR2(25)	Yes	ACCURACY
	The degree of conformity or closeness of a measurement within the database to its true value in the world. (Source: GEOG_UNIT.LOCATION_ACCURACY)			
12	SENS_CLASS	VARCHAR2(15)	Yes	SENS_CLASS
	The ranking of the sensitivity of the information embodied in the feature. (Source: GEOG_UNIT.SENSITIVITY_CLASS)			
13	SENS_DATE	VARCHAR2(10)	No	SENS_DATE
	The date that the sensitivity classification was established. (Source: GEOG_UNIT.SENSITIVITY_DATE)			
14	SENS_RAT	VARCHAR2(50)	Yes	SENS_RAT
	The primary reason for the information sensitivity classification. (Source: GEOG_UNIT.SENSITIVITY_RATIONALE)			
15	SENS_DESCR	VARCHAR2(250)	No	SENS_DESCR
	Description of the reason(s) for the information classification when "Other" is selected as the rationale. (Source: GEOG_UNIT.SENS_RATIONALE_OTHER_DESCR)			
16	SYS_AREA	NUMBER(16,3)	No	SYS_AREA
	The area of a polygon measured in square metres by the system. (Source: GEOG_UNIT.SYSTEM_CALCULATED_AREA)			
17	SYS_LENGTH	NUMBER(16,3)	No	SYS_LENGTH
	The perimeter of a polygon or length of a line measured in metres. (Source: GEOG_UNIT.SYSTEM_CALCULATED_LENGTH)			
18	USER_CALC	NUMBER(16,3)	No	USER_CALC
	The length, perimeter or area of an object in metres or square metres as measured or			

provided by the user. (Source: GEOG_UNIT.USER_CALCULATED_METRIC)

19 GNL_CMT VARCHAR2(254) No GNL_CMT
 General comments. (Source: GEOG_UNIT.GENERAL_COMMENTS)

20 EFF_DATE VARCHAR2(10) No EFF_DATE
 Date/time that the record was created in the LIO database.

Table GEOG_UNIT

Desc: Note: The full GEOG_UNIT table is not included here. For the full description, please see the Warehouse Data Class Description Report for Common Tables.

0	Column Name	Type	Mandatory	Short Name
	Comments			
1	FMF_OBJECT_ID	NUMBER(13,0)	Yes	OBJECT_ID
	System-generated object identifier, unique at the application level.			
3	GEOG_UNIT_TYPE_NUM	NUMBER(7,0)	Yes	GUT_NUMBER
	Identifier of the Geographic Unit Type.			
	Valid Values: 167 Crown Unpatented			

Appendix

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.

Document Control

Document title:	Crown Land – MNR Unpatented Land Public
Security classification:	Unclassified
Document file name:	SNIF_CRNLND_P_2010_06_21.doc
Version number:	1.0
Issued by:	Nathan Kazin
Issue date:	2010-06-21
Status:	draft

Revision Information

Version	Date	Author/Editor	Comments