



# Land Information Ontario

NRVIS/OLIW Data Management Model For  
**Crown Land - MNR Unpatented Land Public (v.1)**

**Published Edition**

Issued: July 7, 2010

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### ***Additional Information***

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The information found in this document was collected and prepared by:  
This document was generated using *DMM Edition Template Version: 2010-02-26*

Published July, 2010  
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## Preface

For most of the Ontario Government's geospatial information holdings, successful data management is achieved through the process of documenting data standards. This document summarizes the basic data management requirements for specific Land Information Ontario (LIO) Concrete Class(es).

Several corporate applications are used by LIO to manage, disseminate, protect and make accessible where available, all of the geospatial holdings that reside within the Ontario Land Information Warehouse (OLIW). The major applications are:

- Data Standards Repository (DSR)
- Land Information Data Subscription System (LIDS)
- Land Information Publishing System (LIPS)
- Land Information Security Administration System (LISA)
- LIO Internet Mapping Framework (IMF - includes Web Mapping and Web Feature Services)
- Natural Resources Values Information System (NRVIS) Administration
- Ontario Land Information Directory (OLID)

If the information you are looking for is not found in this document, LIO has a Support Team that can answer additional questions about a Concrete Class. This Support Team uses a **three-tiered support model** to assist clients, described below. When a user/client has a question about the dataset, they will initially contact...

### **TIER 1**

#### **Information Access Helpline**

(705) 755-1878 email: [ljo@ontario.ca](mailto:ljo@ontario.ca)

*If the Helpline staff cannot provide assistance, the request will in be passed on to...*

### **TIER 2**

#### **\*NRVIS Support Helpline**

Contacts provided by Tier-1

*If NRVIS Support staff cannot provide assistance, they will consult with the Information Owner (IO), and then get back to the client.*

### **TIER 3**

#### **Dataset Information Owner (IO):**

Contacts provided by Tier-1 or Tier 2

*\* Please note that Tier-2 support is intended for datasets that are maintained by the NRVIS Application. OLIW-only dataset enquiries will be fielded directly to the Information Owner (IO) if assistance cannot be provided by Tier-1 support staff.*

Data Analysis Projects are supported by staff with the Ontario Land and Resources Cluster (LRC), GIS Business Solutions Section (GISBSS), GIS Data Services (GDS)

**Caveat:** The information within this document is relevant to the date it was produced, and may become outdated over time. The Information Owner for this Concrete Class is responsible for updating the OLID metadata record for their information holdings. The reader is encouraged to review the corresponding OLID record to obtain up-to-date information about Concrete Classes. The OLID Metadata record search engine, along with additional information about OLIW itself can be found by visiting their [website](#).

## Background and Context

A primer about the concrete class that describes what the information looks like, along with an introduction to the business area (Information Owner) that is responsible with its upkeep. Web links to additional supporting material are provided where applicable.

### Information Owner

An Information Owner is responsible for defining the structure, access and upkeep of their business areas' information assets. They are also responsible in communicating with their stakeholder community and to evaluate their business needs. See 'Contacts' section for Director and main business area contact names.

**Ministry of Natural Resources (MNR),  
Science and Information Resources Division (SIRD),  
Geographic Information Branch (GIB),  
Geographic Information Ontario**

**Status:** None Shared custodianship with Lands and Waters Branch, Land Management Section

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## Concrete Class Details

### **Crown Land - MNR Unpatented Land Public v.1 (CRNLND\_P)**

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.**

### **Modeling Template:**

**Target Databases:** OLW (2010) only

**Sensitivity Classification and Rationale:** Non-Sensitive

**Governance:**

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## Associated Geographic Unit Types

Also known as “GUTS”, these represent the next level of a concrete class into subtypes. For example, concrete class ‘Nesting Site’ has a number of “GUTS” defined by species e.g. “Bald Eagle Nesting Site”, “Great Blue Heron Nesting Site” etc. With the nesting site example, separate GUTS were created to better manage and control access to data associated with protected and vulnerable bird species.

Grouped by LRC’s Sensitivity Classification, with expired GUTS listed at the end.

### **Non-Sensitive:** GUT Name (number) – Status

Information classified as “Non-Sensitive” normally does not have any access restrictions and can be viewed by anyone, including the general public.

### **Crown Unpatented** (167) – To be Added

Crown land, either unpatented or de patented.

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## Contacts

The following listing identifies staff that helped define all aspects of the concrete class’ information requirements and structure.

### **Contact Last name, First name** - Position / Org. / Role(s)

#### **Ansell, Eric** - Surveyor

Ministry of Natural Resources (MNR), Office Of The Surveyor General

#### Role(s):

**Business Area Expert:** *Expert on title searching, and surveys.*

#### **Boysen, Eric** - Manager, Land Management Section

Ministry of Natural Resources (MNR), Natural Resources Management Division (NRMD), Lands and Waters Branch, Land Management Section

#### Role(s):

**Sponsor:** *Business Custodian of crown land information*

#### **Gertridge, Donna** - Crown Parcel Specialist

Ministry of Natural Resources (MNR), Science and Information Resources Division (SIRD), Geographic Information Branch (GIB), Geographic Information Ontario

#### Role(s):

**Maintenance (data):** *Maintenance and Updates*

**Metadata (OLID):** *Maintenance and Updates*

**NRVIS Administrator:**

#### **Prasad, Vic** - Crown Land Registrar

Ministry of Natural Resources (MNR), Natural Resources Management Division (NRMD), Lands and Waters Branch, Land Management Section

#### Role(s):

**Business Area Expert:** *Crown land expert and LIS administrator.*

#### **Walsh, Shaun** - Data Analyst

Lands and Resources Cluster (LRC), Business Solution Services, Business Solutions Services East, GIS Data Services

Role(s):

Data Analyst:

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## Business Area Use

**Intended Use and Purpose:** To spatially enable unpatented crown lands under the mandate of MNR in Ontario. Does not include crown properties over which MNR does not have jurisdiction, e.g. MTO gravel pits.

Previously crown land was managed in Landownership data class. This data class contributes towards seamless provincial landownership fabric.

**Business Drivers:** Public Lands Act

All policies and procedures available  
[http://mnronline.mnr.gov.on.ca/spectrasites/viewers/showArticle.cfm?objectid=9C264164-BB46-4632-](http://mnronline.mnr.gov.on.ca/spectrasites/viewers/showArticle.cfm?objectid=9C264164-BB46-4632-AED62778343E23CA)

[AED62778343E23CA&method=displayfullnobarnotitle&id=9C264164-BB46-4632-AED62778343E23CA](http://mnronline.mnr.gov.on.ca/spectrasites/viewers/showArticle.cfm?objectid=9C264164-BB46-4632-AED62778343E23CA)

**Use Caveats:** This data class is in a working state, business area unwilling to share information with public until MNR staff have had a chance to review it.

Mapping only complete for 6 southern region districts.

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## Geospatial Details

*This section describes how the data will be spatially represented.*

Default geospatial reference details for all NRVIS/LIOW concrete classes:

**Grid or Coordinate System:** *Geographic (Lat., Long.)*

**Map Projection:** *Not Applicable*

**Horizontal Datum:** *NAD83*

**Vertical Datum (z-scale):** *Not Applicable*

**Vertical Positional Accuracy:** *Not Applicable*

**NRVIS/OLIW 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.

**Geographic Extent:** Region (Some of southern region.)

**Geographic Completeness:** 10%

**Average Horizontal Positional Accuracy:**

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# Data Life-Cycle and Maintenance

*This section provides details about the data's life-cycle*

## Collect

**Responsibility of:** Geographic Information Ontario

Crown Parcel Specialist

**Agency Location(s):** Peterborough

**Frequency:** As needed

**Procedures/Standards:** Via Crown registrar, Land Registry Office, or District offices

**Tools/Forms/Applications:** NRVIS

## Load

**Responsibility of:** Ministry of Natural Resources (MNR), Science and Information Resources Division (SIRD), Geographic Information Branch (GIB)Geographic Information Ontario

Crown Parcel Specialist

**Agency Location(s):** Peterborough

**Frequency:** Monthly

**Procedures/Standards:** Transfer polygons from crown parcel pending, or define boundaries using survey/legal description, or documentation from crown registry office.

**Tools/Forms/Applications:** NRVIS, SNIF

## Publish

**Responsibility of:** Ministry of Natural Resources (MNR), Science and Information Resources Division (SIRD), Geographic Information Branch (GIB)Geographic Information Ontario

Crown Parcel Specialist

**Agency Location(s):** Peterborough

**Frequency:** Monthly

**Procedures/Standards:** Check into NRVIS

**Tools/Forms/Applications:** NRVIS

## Publish

**Responsibility of:** NRVIS

**Agency Location(s):** Peterborough

**Frequency:** Nightly, whenever changes to the data class are posted.

**Procedures/Standards:** Automatically by NRVIS

**Tools/Forms/Applications:** NRVIS

## Archive

**Responsibility of:** Land Information Ontario

**Agency Location(s):** Peterborough, ON

**Frequency:** Each time an update to the data is provided to the warehouse.



Procedures/Standards:

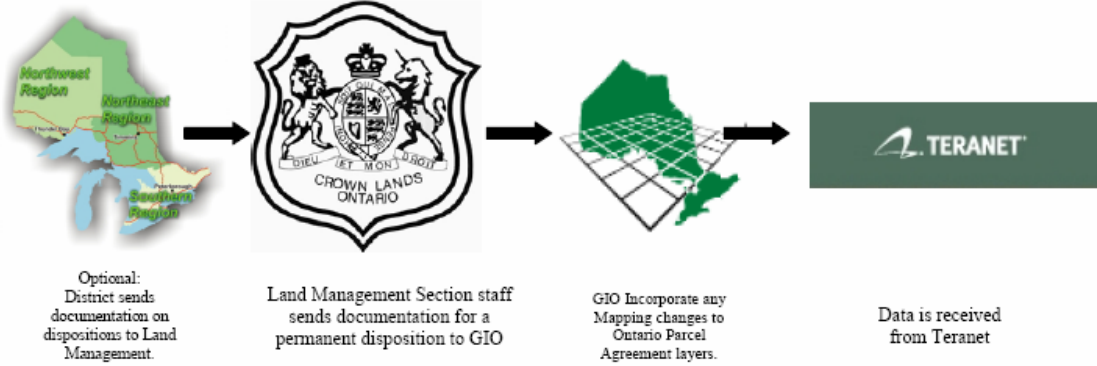
Tools/Forms/Applications:

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## Data Life-Cycle Diagram

Diagram summarizing the data life-cycle for this concrete class

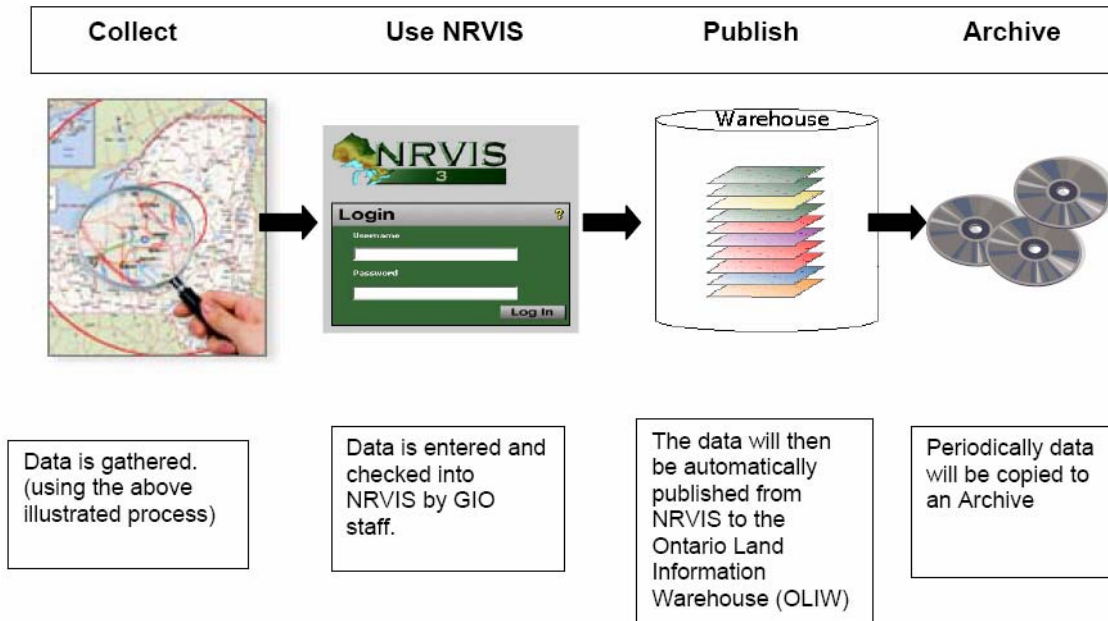
### Collect Function:



Changes to Crown Land are made using OP geometry

### Maintenance Standards Summary

Flowchart summarizing all of the maintenance functions detailed in the previous section.



## Data Access and Services

This section provides details about the access management to the information stored in this data class. Some of the information documented here governing the scope of access is summarized in the Information Access form that is officially filed with LIO's Information Access Services Section.

Due to the nature and origin of the data stored in Concrete Classes, there are often special rules and considerations that control how the data is to be accessed, used and maintained.

**Data Access Use Restrictions/Constraints:** No restrictions placed on data access or use.

**Data Access Maintenance Restrictions/Constraints:**

**Web Mapping Services (WMS):** No – Should not have a maximum or minimum scale dependency.

## Physical Model

The implemented database physical data model diagram and data dictionary for this data class can be found in the Standard NRVIS Interchange Format (SNIF) report published to the Land Information Ontario [Data in the Warehouse](#) web page.

As with any data class, model modifications may have taken place post-implementation and after the authoring date of this document. For example, tables, relationships, attributes and/or lookup table/domain values and Geographic Unit Types (GUTS) may be added, redefined or removed. The published SNIF reports found on the LIO website will always reflect the latest implemented version of the data class.

## ***Modeling Decision Points***

*Documents business area and/or physical implementation decision points or recommendations with a rationale that influence how the concrete class is modeled and later implemented. Reviewing these points will often answer questions that may be asked of the model.*