

Land Information Ontario Data Description

MNR Sign Site

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LIO Class Catalogue

MNR Sign Site

Class Short Name: MNRSIGN

Version Number: 2

Class Description:

Represents the site where a sign is posted and maintained by, or is of interest to the Ontario Ministry of Natural Resources (OMNR). These signs serve a variety of purposes for OMNR business areas, ranging from providing general information and safety warnings, to enforcement and land management notices to the general public.

Abstract Class Name: SPSPNT

Abstract Class

Description:

Spatial Single-Point: An object is represented by ONE and ONLY ONE point. Examples: A cabin, bird nest, tower.

Tables in LIO Class:

MNR Sign Site

MNR_SIGN_SITE_FT

Represents the site where a sign is posted and maintained by, or is of interest to the Ontario Ministry of Natural Resources (OMNR). These signs serve a variety of purposes for OMNR business areas, ranging from providing general information and safety warnings, to enforcement and land management notices to the general public.

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.				
SIGNAGE_BUSINESS_AREA_NAME	VARCHAR2 (80)	Yes	BUS_AREA	Aviation and Forest Fire Management, Fish and Wildlife, Lands and Waters, Ontario Parks, Other Business Area (See MNR_SIGNAGE_BUSINESS_AREA_LIST table)
Identifies the business area responsible for posting/maintaining the sign that is of interest to the Ontario Ministry of natural Resources.				
OTHER_BUSINESS_AREA_NAME	VARCHAR2 (75)	No	OTHER_BUS	
SIGN_IDENT	VARCHAR2 (25)	Yes	SIGN_IDENT	
The unique identifier assigned to each sign posted by, or is of interest to the Ontario Ministry of Natural Resources (OMNR). It is used to uniquely identify and inventory these signs within each OMNR District. The format for how sign identifiers are structured and derived may vary between MNR business areas. Managing the sequential numbering for signs will also fall under the responsibility of each respective business area. An example of a suggested format to use within an OMNR District is as follows: CCC-NNN whereas: CCC: 3 character OMNR District code prefix e.g. DRY (Dryden District) - : Separator NNN: 3 digit sequential number, with leading zeroes, uniquely assigned to each sign in a District e.g. 003 Using the example above, the sign identifier is "DRY-003"				
SIGN_PURPOSE	VARCHAR2 (25)	Yes	PURPOSE	Access Control, Enforcement, General Information, Recreation, Safety/Prevention (See MNR_SIGN_PURPOSE_LIST table)
The primary purpose for posting the sign, which can be categorized as follows: - Access Control: Signs whose purpose is to control or restrict access (e.g. road closure) - Enforcement: Signs related to enforcement (e.g. fish sanctuaries, moose management etc.) - General Information: Provides general information (e.g. "This site is permanently closed") - Recreation: For outdoor recreation and activities (e.g. no camping, camping permit required by non-residents etc.) - Safety/Prevention: Signs posted as safety/prevention notices (e.g. water crossing removed, danger-open pit, use at own risk etc.)				
SIGN_POSTING_DATE	DATE	No	POSTING_DT	
SIGN_POSTING_DATE_MODIFIER	VARCHAR2 (15)	No	DATE_MOD	Actual, After, Approximate, Before (See MNR_SIGN_DATE_MODIFIER_LIST table)
A conditional mandatory modifier assigned by the user whenever the "Sign Posting Date" field is populated. The modifier qualifies the "Sign Posting Date" with one of the following permissible values: - Actual: The actual full calendar date for posting the sign is known. - Approximate: Only partial information about the posting date is known, e.g. year, or year and month. - Before: The actual posting date of the sign is unknown, but was likely posted BEFORE a known year. - After: The actual posting date of the sign is unknown, but was likely posted AFTER a known year.				

SIGN_TEXT_ENGLISH	VARCHAR2 (2000)	No	SIGN_TEXT
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A full description of the English text displayed on the sign. Example: "NOTICE: Unauthorized use of motorized vehicles beyond this point is prohibited from October ____ to October ____ Public Lands Act RSO 1990."

VISUAL_IDENTITY_IND	VARCHAR2 (3)	Yes	VISUAL_IND Yes,No
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SIGN_FLOATING_DATE_IND	VARCHAR2 (3)	Yes	FLOAT_DATE Yes,No
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SIGN_PHOTOGRAPH_IND	VARCHAR2 (3)	Yes	PHOTOGRAPH Yes,No
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An indicator whether photographs were taken of the posted sign (Yes/No). The default is "No" Use Context: If "Yes", the filename and location of the digital photograph(s) should be referenced in the "Supporting Material" NRVIS/OLIW common table. A suggested file naming standard for cataloging signage photographs is as follows: Sign Identifier-NN whereas Sign Identifier: Unique identifier value from the "Sign Identifier" field - : Separator (hyphen) NN : 2 digit sequential number assigned to each subsequent photo taken of the sign. Example: DRY-003-01, DRY-003-02, DRY-003-04. It is suggested that sequential numbering use leading zeroes ("0") for file sorting and retrieval purposes.

SIGN_AUTHORIZATION_IND	VARCHAR2 (3)	Yes	AUTH_IND Yes,No
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For enforcement purposes, all signs require proper authorization to be valid and for charges to hold up in a Court of Law. This "Yes/No" field indicates whether the sign is authorized by the Ontario Ministry of Natural Resources for posting. If "Yes", users may use the NRVIS common table: Supporting Material to store the name/filename and location of the authority document. For instance, filing cabinet in the district office, binder, server etc. The default value is "No".

MISC_SIGN_PROPERTIES	VARCHAR2 (2000)	No	PROPERTIES
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MAINTENANCE_PRIORITY_RANKING	VARCHAR2 (10)	No	PRIORITY High,Medium,Low
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Identifies by ranking, the maintenance priority assigned to a sign site. This information can collectively in turn be used to create a signage inspection schedule for field crews. Permissible values are described as follows: High: Signs whose maintenance is legally a high priority for an OMNR District. Annual inspections of these signs are recommended/necessary. Medium: Signs whose presence and legibility are legally required to enforce a regulation (e.g. by a Conservation Officer). Inspections every one to three years are recommended. Low: Signs, where because of their general purpose, only require inspections every one to five years.

LOCATION_ACCURACY	VARCHAR2 (25)	Yes	ACCURACY Not Applicable, Over 10,000 metres, Within 1 metre, Within 10 metres, Within 10,000 metres, Within 100 metres, ... (See LOCATION_ACCURACY_LIST table)
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The degree of conformity or closeness of a measurement within the database to its true value in the world.

LOCATION_DESCR	VARCHAR2 (2000)	No	LOC_DES
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Description of the area or directions on how to get to the site.

GEOG_UNIT_DESCR	VARCHAR2 (2000)	No	GUNT_DES
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Detailed description of the Geographic Unit.

VERIFICATION_STATUS_FLG	VARCHAR2 (10)	No	VERISTT_FL
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An indication as to whether a qualified employee has verified the existence of the geographic unit.

VERIFICATION_STATUS_DATE	DATE	No	VERISTT_DT
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Date that the geographic unit was verified/validated.

BUSINESS_EFF_DATE_FLG	VARCHAR2 (10)	No	BUSEFFDTFL
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Indication of whether the business effective date is an actual or estimated value.

BUSINESS_EFFECTIVE_DATE	DATE	No	BUS_EFF_DT
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Date that the record becomes effective in relation to the business i.e. the date MNR became aware of its existence.

USER_CALCULATED_METRIC	NUMBER (16,3)	No	USER_CALC
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The length, perimeter or area of an object in metres or square metres as measured or provided by the user.

GENERAL_COMMENTS	VARCHAR2 (2000)	No	GNL_CMT
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General comments.

GEOMETRY_UPDATE_DATETIME	DATE	No	GEO_UPD_DT
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Date/time the geometry was created or last modified in the source database.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

CLASS_JUSTIFICATION

The justification for the addition of or changes to a geographic feature.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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OGF_ID	NUMBER (13,0)	Yes	OGF_ID	
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A unique numeric provincial identifier assigned to each object.

JUSTIFICATION_REASON	VARCHAR2 (2000)	Yes	REASON	
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Reason for justification of the existence of a geographic feature.

CLASS_SHORT_NAME	VARCHAR2 (8)	Yes	CLASS_NAME	
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System-generated column denoting the data class which this record is part of.

JUSTIFICATION_DATE	DATE	Yes	JUSTIF_DT	
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Date that the geographic feature was justified.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE	
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Date/time the record was created or last modified in the source database.

CLASS_OTHER_INFORMATION

This table allows the NRVIS/LIO users to enter local-needs type of information, currently not captured in the NRVIS or LIO database. The table content will be analysed periodically to determine if the field(s) should be incorporated into the regular data class structure.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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OGF_ID	NUMBER (13,0)	Yes	OGF_ID	
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A unique numeric provincial identifier assigned to each object.

FIELD_NAME	VARCHAR2 (30)	Yes	FIELD_NAME	
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The attribute name for the information.

CLASS_SHORT_NAME	VARCHAR2 (8)	Yes	CLASS_NAME
System-generated column denoting the concrete class which this record is part of.			
FIELD_TYPE	VARCHAR2 (8)	Yes	FIELD_TYPE String, Integer, Double
The type of field.			
FIELD_VALUE_STRING	VARCHAR2 (50)	No	VALUE_S
A field used to store character strings.			
FIELD_VALUE_INTEGER	NUMBER (5,0)	No	VALUE_I
A field used to store integer values (small numbers).			
FIELD_VALUE_DOUBLE	NUMBER (10,3)	No	VALUE_D
A field used to store decimal data with up to two decimals.			
EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
Date/time the record was created or last modified in the source database.			

CLASS_PARTY_ROLE

A link to an external contact database.

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.				
PARTY_IDENT	VARCHAR2 (25)	Yes	PARTY_ID	
An identifier for a party (group or individual). It should reference an identifier in an external database which would contain further information. The identifier should not contain personal information (i.e. Social Insurance Number, Outdoors Card Number, phone number, name etc.).				
PARTY_DATABASE	VARCHAR2 (100)	Yes	PARTY_DB	
The database that contains the party information.				
ROLE_TYPE	VARCHAR2 (50)	Yes	ROLE_TYPE	Affiliated With, Approver, Authority Holder, Claim Holder, Contact, Contractor, ... (See ROLE_TYPE_LIST table)
The role that an organization or an individual plays.				
CLASS_SHORT_NAME	VARCHAR2 (8)	Yes	CLASS_NAME	
System-generated column denoting the concrete class which this record is part of.				
ROLE_DETAIL	VARCHAR2 (200)	No	DETAIL	
Additional details about the role.				
START_DATE	DATE	No	START_DATE	
The date when a Party starts to play a Role.				
END_DATE	DATE	No	END_DATE	

The date when a Party ceases to play a Role.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

CLASS_SOURCE

Intersection table between the data class and Source List table.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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OGF_ID	NUMBER (13,0)	Yes	OGF_ID	
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A unique numeric provincial identifier assigned to each object.

SOURCE_NAME	VARCHAR2 (100)	Yes	SOURCE_NAM	AFFM Provincial Administrative Maps, Aerial Photography, Aerial Survey, Book/Publication, CIR Photograpy, City of Ottawa Borehole Database, ... (See SOURCE_LIST table)
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The name of the source.

SOURCE_DETAIL	VARCHAR2 (254)	Yes	SOURCE_DET	
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What part of the source pertains to the feature. Examples: Summary data from a data base, pages in a book or atlas, figure number and page from a publication, a section of a map, record in a database.

CLASS_SHORT_NAME	VARCHAR2 (8)	Yes	CLASS_NAME	
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Unique abbreviation of the concrete class name (primary key)

SOURCE_DESCR	VARCHAR2 (2000)	No	SOURCE_DES	
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Text providing details about the source.

METHOD_DESCR	VARCHAR2 (2000)	No	METHOD	
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The type of method, tools, and techniques used in observing/collecting/recording the Source. It may also include a URL where users could get further information on the method used.

SOURCE_APPLICABILITY	VARCHAR2 (20)	No	APPLICABIL	
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How the source contributes to the feature's definition.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

CLASS_SUPPORTING_MATERIAL

Material (document/file/picture) that provides more information on a geographic feature.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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OGF_ID	NUMBER (13,0)	Yes	OGF_ID	
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A unique numeric provincial identifier assigned to each object.

MATERIAL_NAME	VARCHAR2	Yes	NAME	
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(200)

A name or brief description of the material.

MATERIAL_LOCATION	VARCHAR2 (200)	Yes	LOCATION
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The location where the supporting material is stored. This may be a physical location or a link to a storage location.

CLASS_SHORT_NAME	VARCHAR2 (8)	Yes	CLASS_NAME
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System-generated column denoting the concrete class which this record is part of.

URL_ENG	VARCHAR2 (500)	No	URL_ENG
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The address of a computer or a document in English on the Internet that consists of a communications protocol followed by a colon and two slashes (as http://), the identifier of a computer (as www.m-w.com) and usually a path through a directory to a file -- called also universal resource locator.

URL_FRE	VARCHAR2 (500)	No	URL_FRE
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The address of a computer or a document in French on the Internet that consists of a communications protocol followed by a colon and two slashes (as http://), the identifier of a computer (as www.m-w.com) and usually a path through a directory to a file -- called also universal resource locator.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

EXTERNAL_REF_TYPE_LIST

List of valid EXTERNAL_REFERENCE_TYPE codes.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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EXT_REF_TYPE_CODE	VARCHAR2 (8)	Yes	EXT_REF_TY
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The type of external database that the identifier pertains to e.g. LUPS, LIS, Other.

EXT_REF_TYPE_DESCR	VARCHAR2 (60)	Yes	EXT_REF_TY
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Description of the type of external reference.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

EXPIRY_DATETIME	DATE	No	EXP_DATE
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Date/time that the record was expired from use.

LOCATION_ACCURACY_LIST

List of valid LOCATION_ACCURACYs.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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LOCATION_ACCURACY	VARCHAR2 (25)	Yes	ACCURACY
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The accuracy of the location of the feature at an OBM scale. The degree of conformity or closeness of a measurement to the true value.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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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.

MNR_SIGNAGE_BUSINESS_AREA_LIST

List of valid MNR Signage Business Area Names.

Column Name	Column Type	Mandatory	Short Name	Valid Values
SIGNAGE_BUSINESS_AREA_NAME	VARCHAR2 (80)	Yes	BUS_AREA	

Identifies the business area responsible for posting/maintaining the sign that is of interest to the Ontario Ministry of Natural Resources.

DESCRIPTION	VARCHAR2 (254)	No	DESCRIPTIO	
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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.

MNR_SIGNAGE_LANGUAGE_LIST

List of valid MNR Signage Language Names.

Column Name	Column Type	Mandatory	Short Name	Valid Values
SIGNAGE_LANGUAGE_NAME	VARCHAR2 (20)	Yes	SIGN_LANG	

The language used in the sign's wording, other than English. Permissible values include: - French (Default) - Ojibwa - Cree - Oji-Cree - Other: a language that is not available in this list. The specific name is identified in the "Other Language Name" field.

DESCRIPTION	VARCHAR2 (254)	No	DESCRIPTIO	
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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.

MNR_SIGN_ADDITIONAL_LANGUAGE

Identifies the language found on the sign in addition to, or instead of the English wording. Only the language name will be identified, e.g. Ojigi-Cree. Users should refer to associated photographs taken of the sign for the actual wording.

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.

MNR_SIGN_SITE_ID	NUMBER (13,0)	Yes	SITE_ID	
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Foreign key to Feature Class table: MNR Sign Site.

SIGNAGE_LANGUAGE_NAME	VARCHAR2 (20)	Yes	SIGN_LANG	Cree, French, Oji-Cree, Ojibwa, Other (See MNR_SIGNAGE_LANGUAGE_LIST table)
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The language used in the sign wording, other than English. Permissible values include: - French (Default) - Ojibwa - Cree - Oji-Cree - Other: a language that is not available in this list. The specific name is identified in the "Other Language Name" field.

OTHER_LANGUAGE_NAME	VARCHAR2 (20)	No	OTHER_LANG	
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Identifies the name of a language other than what is available for a user to choose from.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE	
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Date/time the record was created or last modified in the source database.

MNR_SIGN_ADDIT_ACTION_LIST

List of valid MNR Sign Site Required Additional Actions.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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ADDITIONAL_ACTION_REQUIRED	VARCHAR2 (20)	Yes	ACTION_REQ	
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The recommended additional remedial action to be taken based on the sign's current condition and activity completed on site. Valid values include: - None: No action is required at this time. - Repair: Sign must be repaired (details found in "Inspection Comments") - Replace: Sign must be replaced. - Update: text on sign (esp. dates) requires updating. - Repair and Update: Repairs and sign wording updates are required. - Brushing: Brushing is required to improve sign visibility.

DESCRIPTION	VARCHAR2 (254)	No	DESCRIPTIO	
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EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE	
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Date/time the record was created or last modified in the source database.

EXPIRY_DATETIME	DATE	No	EXP_DATE	
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Date/time that the record was expired from use.

MNR_SIGN_CONDITION_LIST

List of valid MNR Sign Site Conditions.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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SIGN_CONDITION	VARCHAR2 (20)	Yes	CONDITION	
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The physical condition of the sign found at the time of the site visit. Sign conditions are listed and described as follows: - Damaged: Sign is defaced, damaged or knocked down by vandals, weather, animals or vehicles. - Good: Sign is in good condition (structurally sound and legible) - Missing: Sign cannot be found in the immediate vicinity of where it was originally posted. Default: "Good"

DESCRIPTION	VARCHAR2 (254)	No	DESCRIPTIO	
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EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE	
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Date/time the record was created or last modified in the source database.

EXPIRY_DATETIME	DATE	No	EXP_DATE	
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Date/time that the record was expired from use.

MNR_SIGN_DATE_MODIFIER_LIST

List of valid MNR Sign Posting Date Modifiers.

Column Name	Column Type	Mandatory	Short Name	Valid Values
SIGN_POSTING_DATE_MODIFIER	VARCHAR2 (15)	Yes	DATE_MOD	

A conditional mandatory modifier assigned by the user whenever the "Sign Posting Date" field is populated. The modifier qualifies the "Sign Posting Date" with one of the following permissible values: - Actual: The actual full calendar date for posting the sign is known. - Approximate: Only partial information about the posting date is known, e.g. year, or year and month. - Before: The actual posting date of the sign is unknown, but was likely posted BEFORE a known year. - After: The actual posting date of the sign is unknown, but was likely posted AFTER a known year.

DESCRIPTION	VARCHAR2 (254)	No	DESCRIPTIO	
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EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE	
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Date/time the record was created or last modified in the source database.

EXPIRY_DATETIME	DATE	No	EXP_DATE	
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Date/time that the record was expired from use.

MNR_SIGN_PURPOSE_LIST

List of valid MNR Sign Purposes.

Column Name	Column Type	Mandatory	Short Name	Valid Values
SIGN_PURPOSE	VARCHAR2 (25)	Yes	PURPOSE	

The primary purpose for posting the sign, which can be categorized as follows: - Access Control: Signs whose purpose is to control or restrict access (e.g. road closure) - Enforcement: Signs related to enforcement (e.g. fish sanctuaries, moose management etc.) - General Information: Provides general information (e.g. "This site is permanently closed") - Recreation: For outdoor recreation and activities (e.g. no camping, camping permit required by non-residents etc.) - Safety/Prevention: Signs posted as safety/prevention notices (e.g. water crossing removed, danger-open pit, use at own risk etc.)

DESCRIPTION	VARCHAR2 (254)	No	DESCRIPTIO	
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EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE	
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Date/time the record was created or last modified in the source database.

EXPIRY_DATETIME	DATE	No	EXP_DATE	
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Date/time that the record was expired from use.

MNR_SIGN_SITE_ACTIVITY_LIST

List of valid MNR Sign Site Completed Activities.

Column Name	Column Type	Mandatory	Short Name	Valid Values
SITE_ACTIVITY_COMPLETED	VARCHAR2 (20)	Yes	ACTIVITY	

Activity completed during the site visit. Valid values include: - None: No action taken. - Repair:

Repairs to the sign were completed on site. - Replace: A replacement sign was erected to replace one that was damaged or missing. - Update: Sign wording updated (e.g.: road access restriction dates). - Repair and Update: Sign repairs and updates to sign wording were completed on site. - Brushing: Brush has been cleared to improve sign visibility.

DESCRIPTION	VARCHAR2 (254)	No	DESCRIPTIO
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.			

MNR_SIGN_SITE_VISIT_DETAIL

Documents the details of a site visit to the sign's location. The sign's current condition and any on-site or recommended remedial action are documented (e.g. sign repairs). Staff may conduct several site visits during the sign's posted lifespan.

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.				
MNR_SIGN_SITE_ID	NUMBER (13,0)	Yes	SITE_ID	
Foreign key to Feature Class table: MNR Sign Site.				
SITE_VISIT_DATE	DATE	Yes	VISIT_DATE	
The calendar date of when the site visit took place. Format: YYYY-MM-DD e.g. 2007-01-06 (January 6, 2007)				
STAFF_MEMBER_NAME	VARCHAR2 (40)	Yes	STAFF_NAME	
The full name of the main staff member who conducted the site visit (e.g.: George Awdry).				
SIGN_CONDITION	VARCHAR2 (20)	Yes	CONDITION	Damaged, Good, Missing (See MNR_SIGN_CONDITION_LIST table)
The physical condition of the sign found at the time of the site visit. Sign conditions are listed and described as follows: - Damaged: Sign is defaced, damaged or knocked down by vandals, weather, animals or vehicles. - Good: Sign is in good condition (structurally sound and legible) - Missing: Sign cannot be found in the immediate vicinity of where it was originally posted. Default: "Good"				
SITE_ACTIVITY_COMPLETED	VARCHAR2 (20)	Yes	ACTIVITY	Brushing, None, Repair, Repair and Update, Replace, Update (See MNR_SIGN_SITE_ACTIVITY_LIST table)
Activity completed during the site visit. Valid values include: - None: No action taken. - Repair: Repairs to the sign were completed on site. - Replace: A replacement sign was erected to replace one that was damaged or missing. - Update: Sign wording updated (e.g.: road access restriction dates) - Repair and Update: Sign repairs and updates to sign wording were completed on site. - Brushing: Brush has been cleared to improve sign visibility. Default: "None"				
ADDITIONAL_ACTION_REQUIRED	VARCHAR2 (20)	Yes	ACTION_REQ	Brushing, None, Repair, Repair and Update, Replace, Update (See MNR_SIGN_ADDIT_ACTION_LIST table)
The recommended additional remedial action to be taken based on the sign's current condition and activity				

completed on site. Valid values include: - None: No action is required at this time. - Repair: Sign must be repaired (details found in "Inspection Comments") - Replace: Sign must be replaced. - Update: text on sign (esp. dates) requires updating. - Repair and Update: Repairs and sign wording updates are required. - Brushing: Brushing is required to improve sign visibility. Default: "None"

SITE_VISIT_COMMENTS	VARCHAR2 (2000)	No	COMMENTS
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Additional comments about a site visit. Useful if remedial action was taken or is required. For example, comments about a sign site visit: "Re-affixed sign to tree" or "Sign post is rotten and needs to be replaced."

TOTAL_VISIT_AND_TRAVEL_TIME	NUMBER (4,2)	No	TOTAL_TIME
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The total time in hours taken by staff to complete a site visit. It includes the travel time to and from the site. Values less than an hour e.g. 30 minutes are to be entered as its decimal equivalent (.50 hr). Used for internal auditing purposes where there is a cost associated with travel.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

ROLE_TYPE_LIST

List of valid party role types.

Column Name	Column Type	Mandatory	Short Name	Valid Values
ROLE_TYPE	VARCHAR2 (50)	Yes	ROLE_TYPE	

The role that an organization or an individual plays.

ROLE_TYPE_DESCR	VARCHAR2 (2000)	Yes	DESCR
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Description of Role Type.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

EXPIRY_DATETIME	DATE	No	EXP_DATE
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Date/time that the record was expired from use.

SOURCE_LIST

A description of the source information that is the basis for creating or changing information about a geographic feature. It may be an observation, possibly resulting from a field survey or an adhoc report or a reference to a published or unpublished document.

Column Name	Column Type	Mandatory	Short Name	Valid Values
SOURCE_NAME	VARCHAR2 (100)	Yes	NAME	

The name of the source.

SOURCE_DATE	VARCHAR2 (50)	No	SRC_DATE
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The date of the source.

SOURCE_ORIGINATOR	VARCHAR2 (75)	No	ORIGINATOR
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The originator or author of the source. Includes the author(s) of a book; the originator(s) of a survey or project, etc. Examples: Smith, J. Smith, J. and Jones, K. Smith, J., Jones, K. and White, T. Anon. (where no author identified) OMNR (where authorship is corporate) Northwest District (lead and delivered the data collection project)

SOURCE_SCALE	VARCHAR2	No	SCALE
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(15)

The scale of the vector base or aerial photography, the cell resolution of a grid, or the pixel resolution of an image used to record the location of the feature. Examples: For a vector source or aerial photography: 1:10,000 1:20,000 1:250,000. For a grid or imagery source: 1 km, 10 m, 15 seconds.

HORIZONTAL_DATUM	VARCHAR2	No	H_DATUM
	(10)		

Identifies the reference system used for defining the coordinates of points. There are three common horizontal datum systems used in Ontario: NAD83, NAD27, NAD27 with 1974 adjustment. The datum models the shape of the earth.

VERTICAL_DATUM	VARCHAR2	No	V_DATUM
	(30)		

The zero surface to which elevations or heights are referred is called a vertical datum. Traditionally, surveyors and mapmakers have tried to simplify the task by using the average (or mean) sea level as the definition of zero elevation, because the sea surface is available worldwide. MSL is a close approximation to another surface, defined by gravity, called the geoid, which is the true zero surface for measuring elevations. Example: WGS-84 EGM96 Geoid.

SOURCE_PROJECTION	VARCHAR2	No	PROJECTION
	(40)		

The name of a systematic representation of all or part of the surface of the Earth on a plane or developable surface.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

EXPIRY_DATETIME	DATE	No	EXP_DATE
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Date/time that the record was expired from use.

LIO Lookup Table Values:
EXTERNAL_REF_TYPE_LIST

EXT REF TYPE CODE	EXT REF TYPE DESCR	EXPIRY DATETIME
ALPS	Aggregate Licence Permit Database	
AMIS	Abandoned Mines Database	
ARFIS	Algonquin Region Forest Database	
BCD	Biological and Conservation Database	
DTDB	Digital Topographic Database	
FISHARC	Fisheries Data Archive	
FISHLIB	Fisheries Information Library	
FRI	Forest Resources Inventory Database	
IF	Internal Filing	
LIS	Land Index System	
LUP	Land Use Permit	
NADB	Natural Areas Database	
NTDB	National Topographic Database	
NWEIMS	Wetland Evaluation Information Management Database (North)	
OBM	Ontario Base Map Database	
OFIS	Ontario Fisheries Information Database	
OLI	Ontario Land Inventory	
OPDS	Ontario Petroleum Database	
OTHER	Other External Reference	
PER	Permit	
RBT	Resource Based Tourism Licence	
SFMM	Sustainable Forest Management Model	
WEIMS	Wetland Evaluation Information Management Database (South)	
^	NRVIS 2.0 Data Conversion	1999-11-05

LIO Lookup Table Values:
LOCATION_ACCURACY_LIST

LOCATION ACCURACY	EXPIRY DATETIME
Not Applicable	
Over 10,000 metres	
Within 1 metre	
Within 10 metres	
Within 10,000 metres	
Within 100 metres	
Within 1000 metres	
Within 2 metres	
Within 20 metres	
Within 200 metres	
Within 2000 metres	
Within 5 metres	
Within 50 metres	
Within 500 metres	
Within 5000 metres	
AC Accurate (to 10m)	2007-01-12
AP Approximate (to 500m)	2007-01-12
GE General (to 10,000m)	2007-01-12
MO Moderate (to 1000m)	2007-01-12
RE Reliable (to 100m)	2007-01-12
VA Very Accurate (to 2m)	2007-01-12
VG Vague (to 100,000m)	2007-01-12
^ Data Load	2007-01-12

LIO Lookup Table Values:

MNR_SIGNAGE_BUSINESS_AREA_LIST

SIGNAGE BUSINESS AREA NAME	DESCRIPTION	EXPIRY DATETIME
Aviation and Forest Fire Management	Signage posted/maintained by OMNR's Aviation and Forest Fire Management Branch.	
Fish and Wildlife	Signage posted/maintained by OMNR's Aviation and Fish and Wildlife Branch.	
Lands and Waters	Signage posted/maintained by OMNR's Lands and Waters Branch.	
Ontario Parks	Signage posted/maintained by OMNR's Ontario Parks program.	
Other Business Area	Signage posted/maintained by a business area other than what is currently available in the listing of permissible values.	

LIO Lookup Table Values:

MNR_SIGNAGE_LANGUAGE_LIST

SIGNAGE LANGUAGE NAME	DESCRIPTION	EXPIRY DATETIME
Cree	Cree	
French	French	
Oji-Cree	Oji-Cree	
Ojibwa	Ojibwa	
Other	A language that is not available in this listing. Identify this language in the "Other Language Name" field.	

LIO Lookup Table Values:

MNR_SIGN_ADDIT_ACTION_LIST

ADDITIONAL ACTION REQUIRED	DESCRIPTION	EXPIRY DATETIME
Brushing	Brushing is required to improve sign visibility	
None	No action is required at this time.	
Repair and Update	Repairs and sign wording updates are required.	
Repair	Sign must be repaired (details found in Comments)	
Replace	Sign must be replaced.	
Update	Text on sign (esp. dates) requires updating.	

LIO Lookup Table Values:
MNR_SIGN_CONDITION_LIST

SIGN CONDITION	DESCRIPTION	EXPIRY DATETIME
Damaged	Sign is defaced, damaged or knocked down by vandals, weather, animals or vehicles.	
Good	Sign is in good condition (structurally sound and legible).	
Missing	Sign cannot be found in the immediate vicinity or where it was originally posted.	

LIO Lookup Table Values:

MNR_SIGN_DATE_MODIFIER_LIST

SIGN POSTING DATE MODIFIER	DESCRIPTION	EXPIRY DATETIME
Actual	The actual full calendar date for posting the sign is known.	
After	The precise posting date of the sign is unknown, but was likely posted after a known year.	
Approximate	On partial information about the posting date is known, e.g. year, or year and month.	
Before	The precise posting date of the sign is unknown, but was likely posted before a known year.	

LIO Lookup Table Values:

MNR_SIGN_DATE_MODIFIER_LIST

SIGN POSTING DATE MODIFIER	DESCRIPTION	EXPIRY DATETIME
Actual	The actual full calendar date for posting the sign is known.	
After	The precise posting date of the sign is unknown, but was likely posted after a known year.	
Approximate	On partial information about the posting date is known, e.g. year, or year and month.	
Before	The precise posting date of the sign is unknown, but was likely posted before a known year.	

LIO Lookup Table Values:
MNR_SIGN_PURPOSE_LIST

SIGN PURPOSE	DESCRIPTION	EXPIRY DATETIME
Access Control	Signs whose purpose is to control or restrict access (e.g. road closure)	
Enforcement	Signs related to enforcement (e.g. fish sanctuaries, moose management etc.)	
General Information	Provides general information (e.g. "This site is permanently closed")	
Recreation	Signage associated with outdoor recreation and activities (e.g.: no camping, camping permit required by non-residents etc.)	
Safety/Prevention	Signs posted as safety/prevention notices (e.g. water crossing removed, danger-open pit, use at own risk etc.)	

LIO Lookup Table Values:

MNR_SIGN_SITE_ACTIVITY_LIST

SITE ACTIVITY COMPLETED	DESCRIPTION	EXPIRY DATETIME
Brushing	Brush has been cleared to improve sign visibility	
None	No action taken.	
Repair and Update	Sign repairs and updates to sign wording were completed on site.	
Repair	Repairs to the sign were completed on site.	
Replace	A replacement sign was erected to replace the one that was damaged or missing.	
Update	Sign wording updated (e.g. road access restriction dates)	

LIO Lookup Table Values:

ROLE_TYPE_LIST

ROLE TYPE	ROLE TYPE DESCR	EXPIRY DATETIME
Affiliated With	This role type indicates that the related "from" Party (Individual or Group) has a relationship with the related "to" Party that is not more explicitly covered by another role type.	
Approver	This role type indicates that the related Party (Individual or Group) is one that has approved action associated with the related item. For example, if the related item is an Authority (License, permit, etc.) this would indicate the Party that approved the issuance of the Authority; if the related item is a Recommended Action this would indicate the Party that approved the initiation of the action; etc.	
Authority Holder	This role type indicates that the related Party (Individual or Group) is the one to which the Ministry has issued the related Authority (license, permit, etc.).	
Claim Holder	This role type indicates that the related Party (Individual or Group) is the one that is the registered owner of the related Mining Claim (area).	
Contact	This role type indicates that the related "from" Party (Individual or Group) is the designated point of contact for communication with the related "to" Party.	
Contractor	N/A	
Custodian	This role type indicates that the related Party (Individual or Group) is responsible for the care of the related Geographic Unit.	
Data Provider	This role type indicates that the related Party (Individual or Group) is the provider of a data source about the related Geographic Unit.	
Employee	This role type indicates that the related "from" Party (an Individual) is employed by the related "to" Party (a Group).	
Evaluator	This role type indicates that the related Party (Individual or Group) is the one who has evaluated the related Geographic Unit.	
Group Member	This role type indicates that the related "from" Party (Individual or Group) is a member of the related "to" Party (a Group). This could include membership in a Local Citizens Committee or a designated interest group.	
Information Holding Custodian	This role type indicates that the related Party (Individual or Group) is responsible for the storage and protection of the related Information Holding.	
Interested Party	This role type indicates that the related Party (Individual or Group) has a stated interest in a related Issue; or has a stated interest in plans and activities involving the related Geographic Unit.	
Issuer	This role type indicates that the related Party (Individual or Group)	

	is one that has issued the related Authority (license, permit, etc.).	
Lease Holder	This role type indicates that the related Party (Individual or Group) has occupancy rights to the related Geographic Unit for the period and according to the terms of a lease agreement.	
Manager	This role type indicates that the related "from" Party (Individual or Group) manages or directs the activities of the related "to" Party (the "to" Party reports to or is accountable to the "from" Party); or manages the operation of the related Geographic Unit (e.g., a Tourism Establishment).	
Metadata Custodian	This role type indicates that the related Party (Individual or Group) is responsible for the storage and protection of the information ABOUT the related Information Holding. Note: There is a separate role type for the custodian of the information holding itself.	
Observer	This role type indicates that the related Party (Individual or Group) is the one who made the observations in the related Information Source.	
Operator	This role type indicates that the related Party (Individual or Group) operates the related Geographic Unit facility (e.g., Tourism Establishment, Mill).	
Owner	This role type indicates that the related Party (Individual or Group) owns the related Geographic Unit (e.g., Tourism Establishment).	
Partner	This role type indicates that the related "from" Party (Individual or Group) has a partnership arrangement with the related "to" Party.	
Steward	This role type indicates that the related "from" Party (Individual or Group) is responsible for assisting the Ministry with respect to the management of resources within the related Geographic Unit.	
Supervisor	This role type indicates that the related "from Party (Individual or Group) supervises the activities of the related "to" Party.	
Verifier	N/A	

LIO Lookup Table Values:

SOURCE_LIST

SOURCE NAME	SOURCE DATE	SOURCE ORIGINATOR	SOURCE SCALE	HORIZONTAL DATUM	VERTICAL DATUM	SOURCE PROJECTION	EXPIRY DATETIME
AFFM Provincial Administrative Maps		Ministry of Natural Resources	600000				
Aerial Photography		Ministry of Natural Resources	15840				
Aerial Survey							
Book/Publication							
CIR Photograpy		Ministry of Natural Resources					
City of Ottawa Borehole Database	1883 - 2006	City of Ottawa	Varies		Mean Average Sea Level	Geodetic and UTM	
Digital File							
Digital Map							
Field Survey\Site Visit							
File System/Filing Cabinet Information							
Forest Resources Inventory		Ministry of Natural Resources		NAD27		UTM	
GPS Data Collection							
Hard Copy/Paper Map							
IKONOS Multispectral		Ministry of Natural Resources					
IKONOS Panchromatic		Ministry of Natural Resources					
IRS Multispectral		Ministry of Natural Resources					
IRS Panchromatic		Ministry of Natural Resources					
IRS Pansharpened		Ministry of Natural Resources					

Landsat-1,2,3 MSS		Ministry of Natural Resources					
Landsat-4,5 MSS		Ministry of Natural Resources					
Landsat-7 ETM		Ministry of Natural Resources					
Local Borehole Drilling Program Results	2006	Ministry of Northern Development and Mines			Mean Average Sea Level		
Local Knowledge							
MNDM Assesment File							
MNDM Client/Company Information							
MNR Based Observation							
MTO Engineering Reports	Varies	Ministry of Transportation	Varies		Mean Average Sea Level		
NRCan - CanVec	2008	Natural Resources Canada	50000	NAD83			
NRCan - National Hydro Network	2008	Natural Resources Canada	50000	NAD83			
NTS Map 1:250000	1970 to 2003	Department of Natural Reosurces	250000	NAD27			
NTS Map 1:50000	1970 to 2003	Department of Natural Resources	50000	NAD27			
Ontario Base Map 1:10000	1978 to 1995	Ministry of Natural Resources	10000	NAD27		UTM	
Ontario Base Map 1:20000	1978 to 1995	Ministry of Natural Resources	20000	NAD27		UTM	
Ontario Geological Survey Fieldwork Mapping	Varies to 2004	Ontario Geological Survey	1:50,000	NAD83	Mean Average Sea Level	Universal Transvers Mercator	
Ontario Parcel				NAD83			
OrthoImagery		Ministry of Natural Resources					
Public Observation							

Quaternary Geology Study	Varies	Ministry of Northern Development and Mines			Mean Average Sea Level		
Unknown	11-12-02						
Urban Geology Automated Information System (UGAIS)	1956-1972	Geological Survey of Canada	Varies	NAD27	Mean Average Sea Level	Universal Transverse Mercator	
Water Well Data Improvement Project	2006	Ministry of Natural Resources, Water Resources Information Program	Varies	NAD83	Mean Average Sea Level	Geodetic	
Water Well Information System (WWIS)	1899 - 2003	Ministry of the Environment, Environmental Monitoring and Reporting Branch	Varies	NAD27	Mean Average Sea Level	Universal Transverse Mercator	
Waterloo Area Geology Automated Information System (WAGAIS)	1900 - 1977	Geological Survey of Canada	Varies	NAD27	Mean Average Sea Level	Universal Transverse Mercator	
External Source from NRVIS 2							2007-01-12
Internal Source from NRVIS 2							2007-01-12
Material Source from NRVIS 2							2007-01-12
Ontario Base Map	1978 to 1995	Ministry of Natural Resources		NAD27		UTM	2007-01-12
Source Observation from NRVIS 2							2007-01-12
Unknown Imagery							2007-01-12