

Land Information Ontario Data Description

MNR Sign Site

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LIO Class Description

MNR Sign Site

Class Short Name: MNRSIGN

Version Number: 4

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.

Metadata URL:

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 and Forestry (OMNRF). These signs serve a variety of purposes for MNRF 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	
Ontario Geospatial Feature (OGF) Id. A unique numeric provincial identifier assigned to each object.				
PRIORITY_ROAD_IND	VARCHAR2(3)	Yes	PRI_RD_IND	'Yes', 'No'
Yes/No indicator if the feature is located on a high priority road. DEFAULT: No				
SIGN_BUSINESS_AREA_NAME	VARCHAR2(80)	Yes	BUS_AREA	'Aviation, Forest Fire and Emergency Services (AFFES)', 'Fish and Wildlife', 'Lands and Waters', 'Ontario Parks', 'Regional Operations Division (ROD)', 'Other Business Area'
Identifies the Ontario Ministry of Natural Resources and Forestry (MNRF) business area responsible for posting/maintaining the sign.				
SIGN_NUMBER	VARCHAR2(12)	Yes	SIGN_NUM	'AFFES', 'G.f-12', 'G.r-6', 'G216', 'G334', 'G721', ... (See MNR_SIGN_NUMBER_LIST table)
An alphanumeric sign number code assigned to each sign type as defined by the MTO Ontario Traffic Manuals and MNRF Access Road Manual 1992 (summarized in the ROD Roads and Crossings Sign Manual), e.g. a 75 cm x 75 cm Stop sign = Ra-101. Please refer to these manuals for sign visual identification, specifications and details.				
SIGN_IDENT	VARCHAR2(25)	Yes	SIGN_IDENT	
A unique identifier assigned to each sign site. The format for how sign identifiers are structured and derived may vary between Ontario Ministry of Natural Resources and Forestry (MNRF) business areas. Managing the sequential numbering for signs will also fall under the responsibility of each respective business area. Suggested format for MNRF Districts: "CCC-NNN" where 1] CCC: 3 character MNRF District code prefix e.g. DRY (Dryden District). 2] - hyphen (-) separator. 3] NNN: 3 digit sequential sign number, with leading zeroes, e.g. 003. Using this example, the sign identifier is "DRY-003".				
SIGN_PURPOSE	VARCHAR2(25)	No	PURPOSE	'Access Control', 'Enforcement', 'General Information', 'Recreation', 'Safety/Prevention'
The primary purpose for posting the sign.				
SIGN_CATEGORY	VARCHAR2(15)	Yes	SIGN_CAT	'Information', 'MNRF', 'Regulatory', 'Temporary', 'Warning'
Identifies the category of the information found on the sign. Corresponds to the categories in the ROD Roads and Crossings Sign Manual.				
SIGN_POSTING_DATE	DATE	No	POSTING_DT	

The calendar date that the sign was posted/erected at the site. Format: YYYY-MM-DD e.g. 2007-01-06 (January 6, 2007). When populated, the SIGN_POSTING_DATE must be further qualified by the SIGN_POSTING_DATE_MODIFIER filed. Enter all available calendar date information when it is available. At the minimum, the year should be known. When month and/or day values are not known, enter 01 and select the appropriate modifier. This field should not be populated if the posting date cannot be described by one of the modifiers. See SIGN_POSTING_DATE_MODIFIER description for more details.

SIGN_POSTING_DATE_MODIFIER	VARCHAR2(15)	No	DATE_MOD	'Actual', 'Approximate', 'Before'
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A modifier assigned by the user whenever the SIGN_POSTING_DATE field is populated. The modifier qualifies the Sign Posting Date.

SIGN_TEXT_ENGLISH	VARCHAR2 (2000)	No	TEXT_ENG
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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".

ADDITIONAL_SIGN_LANGUAGE	VARCHAR2(20)	No	ADDIT_LANG	'French', 'Cree', 'Oji-Cree', 'Ojibwa', 'Other'
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The language used in the sign wording, other than English. When OTHER is chosen, it should be described in the MISC_SIGN_PROPERTIES field.

VISUAL_IDENTITY_IND	VARCHAR2(3)	Yes	VISUAL_IND	'Yes', 'No'
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A Yes/No indicator if the sign content (wording, size, logo placement etc.) follows a template that conforms to the MGS/MNRF Visual Identity standards and directives. Default: No

SIGN_FLOATING_DATE_IND	VARCHAR2(3)	Yes	FLOAT_DATE	'Yes', 'No'
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A Yes/No indicator if there are floating calendar dates present in the sign wording. These dates must be periodically and manually updated on the sign by MNRF staff. DEFAULT: No

SIGN_AUTHORIZATION_IND	VARCHAR2(3)	Yes	AUTH_IND	'Yes', 'No'
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A Yes/No indicator if the posted sign is authorized by the Ontario Ministry of Natural Resources and Forestry (MNRF), and used for enforcement purposes as all posted signs require proper authorization to be valid and for charges to hold up in a Court of Law. DEFAULT: No

MISC_SIGN_PROPERTIES	VARCHAR2 (2000)	No	PROPERTIES
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Miscellaneous details about the sign properties. For example, official sign template references, custom sign dimensions, materials, sign-posting types and methods etc. This additional information may be useful if there is a need to replace/repair a sign.

INSPECTOR_NAME	VARCHAR2(35)	No	INSP_NAME
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The first and last name of the primary person (staff or agent of the Ministry of Natural Resources and Forestry) who last inspected this sign site.

DATE_INSPECTED	DATE	No	DATE_INSP
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The calendar date that this sign site was last inspected.

SIGN_CONDITION	VARCHAR2(25)	Yes	CONDITION	'New', 'Adequate', 'Poor-Damaged-Vandalized', 'Missing'
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Describes the condition of the sign. DEFAULT: Adequate

MAINTENANCE_REQUIRED	VARCHAR2(10)	Yes	MAINT_REQ	'None', 'Brushing', 'Repair', 'Replace', 'Remove'
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Describes the type of sign maintenance or modification required. Maintenance can take place during the present inspection, or be scheduled to be done at a later date. The actual date that the maintenance was completed should be entered in the MAINTENANCE_DATE field. DEFAULT: None

MAINTENANCE_PRIORITY_RANKING	VARCHAR2(10)	No	PRIORITY	'High', 'Medium', 'Low'
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Ranks the maintenance priority assigned to a sign site. This information can be used to create a signage inspection schedule for field crews.

MAINTENANCE_DATE	DATE	No	MAINT_DATE
The date the sign maintenance was completed.			
MAINTENANCE_COMMENT	VARCHAR2(140)	No	MAINT_COMM
Brief description of the type of maintenance that was completed, including how safety or environmental concerns were addressed.			
RECOMMENDED_WORK_TIMING	VARCHAR2(16)	No	REC_TIMING
'Less than 1 year', '1-5 years', '6-10 years'			
Describes the estimated timespan for when the required maintenance should be undertaken.			
PHOTO_LINK	VARCHAR2(254)	No	PHOTO_LINK
The network (UNC) or web (URL) pathname to the digital photograph file of the sign.			
GENERAL_COMMENTS	VARCHAR2 (2000)	No	COMMENTS
General comments.			
GEOMETRY_UPDATE_DATETIME	DATE	No	GEO_UPT_DT
Date/time the geometry was created or last modified in the source database.			
EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
Date/time the record was created or last modified in the source database.			
SHAPE	SDO_GEOMETRY	No	SHAPE
Geometry attribute.			

MNR_SIGN_NUMBER_LIST

Lookup table listing of permissible sign number codes specified in the MNRF Roads and Crossings Sign Manual (May, 2016).

Column Name	Column Type	Mandatory	Short Name	Valid Values
SIGN_NUMBER	VARCHAR2 (12)	Yes	SIGN_NUM	
An alphanumeric sign number code assigned to each sign type as defined by the Ontario Traffic Manual (found in the MNRF Roads and Crossings Signage Manual - 2016), e.g. a 75 cm x 75 cm Stop sign = Ra-101. Please refer to these manuals for sign visual identification, specifications and details.				
SIGN_NAME	VARCHAR2 (80)	Yes	SIGN_NAME	
The full reference name of the SIGN_NUMBER value. NOTE: The value in the SIZE field differentiates the SIGN_NUMBER and SIGN_NAME field values.				
SIGN_SIZE	VARCHAR2 (40)	No	SIGN_SIZE	
Where known, the height and width of the sign, measured in centimetres (cm).				
EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE	
Date/time the Lookup Table (LUT) record was created or last modified in the source database.				
EXPIRY_DATETIME	DATE	No	EXP_DATE	
Date/time the Lookup Table (LUT) record value is no longer deemed to be valid. While existing				

data with the expired value is permissible, this value will not be available to be assigned to new features in the LIO Editor.

LIO Lookup Table Values:
MNR_SIGN_NUMBER_LIST

SIGN NUMBER	SIGN NAME	SIGN SIZE	EXPIRY DATETIME
AFFES	MNRF Fire Program Sign	Various	
G.f-12	ASSUANCE	120 cm x var.	
G.r-6	TURN OFF	30 cm x var.	
G216	Street Name Blade	20 cm x Variable Width	
G334	Natural Feature Identification	refer to manual	
G721	Road Closing Tab	refer to manual	
G725	Notice - Road Closed (with Date)	60 cm x 90 cm	
M400	Emergency Helipad Marker	45 cm, 60 cm, 90 cm (Height and Width)	
M717	Public Boat Launch Marker	45 cm, 60 cm, 90 cm (Height and Width)	
M722	No Camping Marker	refer to manual	
M801	Distance Marker	20 cm x 90 cm	
M803	NO DUMPING	refer to manual	
M805	Waste Management Facility	90 cm x 120 cm	
M806	Waste Management Facility - Recycling	refer to manual	
MNRF-R1	Closure to Vehicles	refer to manual	
MNRF-R2	Closure to Motorized Vehicles	refer to manual	
MNRF-R3	Access Prohibited to Specific Lakes (Road)	refer to manual	
MNRF-R4	Access Prohibited to Specific Lakes (Beyond This Point)	refer to manual	
MNRF-R5	Uses Prohibited (Road)	refer to manual	
MNRF-R6	Uses Prohibited (Beyond This Point)	refer to manual	
MNRF-W1	Closed Ahead	refer to manual	
MNRF-W2t	Road Closed Ahead Tab	refer to manual	
MNRF-W3t	Access Restriction Ahead Tab	refer to manual	
MNRF-W4t	Road Use Restriction Ahead Tab	refer to manual	

MNRF-W5	Warning of non-maintenance (Road)	refer to manual	
MNRF-W6	Warning of non-maintenance (Bridge)	refer to manual	
RWY CROSSING	Canadian Railway Crossing	refer to manual	
Ra-1	STOP	60 cm x 60 cm	
Ra-101	STOP	75 cm x 75 cm	
Ra-102	YIELD	90 cm	
Ra-2	YIELD	75 cm	
Rb-1	MAXIMUM SPEED	60 cm x 75 cm	
Rb-151	NO PARKING	60 cm x 60 cm	
Rb-151A	NO PARKING (With Days)	60 cm x 60 cm	
Rb-152	NO PARKING (With Days and Times)	60 cm x 90 cm	
Rb-153	PARKING RESTRICTED (With Days, Times and Duration)	60 cm x 90 cm	
Rb-163	MAXIMUM TONNES (Single Gross Weight)	60 cm x 90 cm	
Rb-1A	MAXIMUM SPEED	60 cm x 90 cm	
Rb-5	MAXIMUM SPEED AHEAD	60 cm x 75 cm	
Rb-51	NO PARKING	30 cm x 30 cm	
Rb-51A	NO PARKING (With Days)	30 cm x 30 cm	
Rb-52	NO PARKING (With Days and Times)	30 cm x 45 cm	
Rb-57	NO PARKING, SNOW ROUTE	30 cm x 45 cm	
Rb-63	MAXIMUM TONNES (Single Gross Weight)	60 cm x 75 cm	
Rb-63A	MAXIMUM TONNES (Differentiated by Truck Type)	90 cm x 120 cm	
Rb-76	LOAD RESTRICTION IN EFFECT	60 cm x 75 cm	
Rb-91	YIELD TO ONCOMING TRAFFIC	90 cm x 120 cm	
Rb-92	ROAD CLOSED	90 cm x 120 cm	
Rc-4	NO LITTERING	60 cm x 60 cm	
Rd-1a	SPEED LIMIT (KM/H)	60 cm x 90 cm	
T.B.D.	TO BE DETERMINED	N/A	
TC -51A	Traffic Cone	45 cm (ht.)	
TC-14	BUMP AHEAD	60 cm x 60 cm	

TC-15	BUMP	60 cm x 60 cm	
TC-16AL	TURN (Left)	60 cm x 60 cm	
TC-16AR	TURN (Right)	60 cm x 60 cm	
TC-16BL	SHARP CURVE (Left)	60 cm x 60 cm	
TC-16BR	SHARP CURVE (Right)	60 cm x 60 cm	
TC-16CL	CURVE (Left)	60 cm x 60 cm	
TC-16CR	CURVE (Right)	60 cm x 60 cm	
TC-16DL	SHARP REVERSE CURVE (Left)	60 cm x 60 cm	
TC-16DR	SHARP REVERSE CURVE (Right)	60 cm x 60 cm	
TC-16EL	REVERSE CURVE (One Arrow) Left	60 cm x 60 cm	
TC-16ER	REVERSE CURVE (One Arrow) Right	60 cm x 60 cm	
TC-17t	ADVISORY SPEED Tab	45 cm x 45 cm	
TC-18	CHEVRON ALIGNMENT	45 cm x 60 cm	
TC-22	TRAFFIC CONTROL (STOP/SLOW Paddle)	45 cm x 45 cm	
TC-2A	ROAD WORK (Short Duration)	90 cm x 90 cm	
TC-2B	ROAD WORK (Short and Long Duration)	90 cm x 90 cm	
TC-31L	TRUCK ENTRANCE	90 cm x 90 cm	
TC-31R	TRUCK ENTRANCE	90 cm x 90 cm	
TC-32	TEMPORARY BRIDGE	90 cm x 90 cm	
TC-32t	TEMPORARY BRIDGE XX KM/H Tab	60 cm x 90 cm	
TC-36	MAXIMUM SPEED ADVISORY	60 cm x 90 cm	
TC-44	DO NOT USE RADIO TRANSMITTER	60 cm x 90 cm	
TC-45	RESUME USE OF RADIO TRANSMITTER	60 cm x 90 cm	
TC-4L	LANE CLOSURE ARROW (Left)	90 cm x 90 cm	
TC-4R	LANE CLOSURE ARROW (Right)	90 cm x 90 cm	
TC-51A	Traffic Cone	45 cm (ht.)	
TC-51B	Traffic Cone	70 cm (ht.)	
TC-51C	Traffic Cone	100 cm (ht.)	
TC-52	Construction Marker	20 cm x 90 cm	
TC-53A	Barricade	20 cm x 140 cm	
TC-53B	Barricade	2 x (20 cm x 130 cm)	

TC-7tA	ROAD CLOSED	25 cm x 210 cm	
TC-9L	ROADSIDE DIVERSION WARNING	75 cm x 75 cm	
TC-9R	ROADSIDE DIVERSION WARNING	75 cm x 75 cm	
Wa-101L	TURN (Left)	75 cm x 75 cm	
Wa-101R	TURN (Right)	75 cm x 75 cm	
Wa-102L	SHARP CURVE (Left)	75 cm x 75 cm	
Wa-102R	SHARP CURVE (Right)	75 cm x 75 cm	
Wa-103L	CURVE (Left)	75 cm x 75 cm	
Wa-103R	CURVE (Right)	75 cm x 75 cm	
Wa-104L	SHARP REVERSE CURVE (Left)	75 cm x 75 cm	
Wa-104R	SHARP REVERSE CURVE (Right)	75 cm x 75 cm	
Wa-105L	REVERSE CURVE (Left)	75 cm x 75 cm	
Wa-105R	REVERSE CURVE (Right)	75 cm x 75 cm	
Wa-106L	WINDING ROAD (Left)	75 cm x 75 cm	
Wa-106R	WINDING ROAD (Right)	75 cm x 75 cm	
Wa-108	CHECKERBOARD	90 cm x 90 cm	
Wa-108L	CHECKERBOARD (One Direction) Left	120 cm x 120 cm	
Wa-108LR	CHECKERBOARD (Both Directions)	120 cm x 120 cm	
Wa-108R	CHECKERBOARD (One Direction) Right	120 cm x 120 cm	
Wa-11	INTERSECTION (Uncontrolled)	60 cm x 60 cm	
Wa-11A	INTERSECTION (Controlled)	60 cm x 60 cm	
Wa-12	Angle INTERSECTION (Uncontrolled)	60 cm x 60 cm	
Wa-121	STEEP HILL	90 cm x 90 cm	
Wa-124	NARROW STRUCTURE	90 cm x 90 cm	
Wa-12A	Angle INTERSECTION (Controlled)	60 cm x 60 cm	
Wa-13	Sideroad INTERSECTION (Uncontrolled)	60 cm x 60 cm	
Wa-13A	Sideroad INTERSECTION (Controlled)	60 cm x 60 cm	
Wa-14	T-INTERSECTION (Uncontrolled)	60 cm x 60 cm	
Wa-15	Y-INTERSECTION (Uncontrolled)	60 cm x 60 cm	
Wa-15A	Y-INTERSECTION (Controlled)	60 cm x 60 cm	

Wa-18t	HIDDEN INTERSECTION Tab	30 cm x 60 cm	
Wa-1L	TURN (Left)	60 cm x 60 cm	
Wa-1R	TURN (Right)	60 cm x 60 cm	
Wa-21	STEEP HILL	75 cm x 75 cm	
Wa-21t	USE LOWER GEAR Tab	45 cm x 75 cm	
Wa-22	BUMP	60 cm x 60 cm	
Wa-22A	BUMP AHEAD	60 cm x 60 cm	
Wa-22t	BUMP Tab	22.5 cm x 45 cm	
Wa-24	NARROW STRUCTURE	75 cm x 75 cm	
Wa-24t	ONE LANE Tab	45 cm x 60 cm	
Wa-28	ROADWAY NARROWS	75 cm x 75 cm	
Wa-29	SOFT SHOULDERS	60 cm x 60 cm	
Wa-2L	SHARP CURVE (Left)	60 cm x 60 cm	
Wa-2R	SHARP CURVE (Right)	60 cm x 60 cm	
Wa-30A	TEMPORARY BRIDGE	90 cm x 90 cm	
Wa-31	NO EXIT	45 cm x 45 cm	
Wa-33L	OBJECT MARKER (One Direction) Left	30 cm x 90 cm	
Wa-33LR	OBJECT MARKER (Both Directions)	45 cm x 90 cm	
Wa-33R	OBJECT MARKER (One Direction) Right	30 cm x 90 cm	
Wa-3L	CURVE (Left)	60 cm x 60 cm	
Wa-3R	CURVE (Right)	60 cm x 60 cm	
Wa-4L	SHARP REVERSE CURVE (Left)	60 cm x 60 cm	
Wa-4R	SHARP REVERSE CURVE (Right)	60 cm x 60 cm	
Wa-5L	REVERSE CURVE (Left)	60 cm x 60 cm	
Wa-5R	REVERSE CURVE (Right)	60 cm x 60 cm	
Wa-63	MAXIMUM TONNES ADVISORY	60 cm x 75 cm	
Wa-6L	WINDING ROAD (Left)	60 cm x 60 cm	
Wa-6R	WINDING ROAD (Right)	60 cm x 60 cm	
Wa-6t	HAZARD LENGTH Tab	45 cm x 45 cm	
Wa-70t	NARROW BRIDGE Tab	30 cm x 60 cm	
Wa-7t	ADVISORY SPEED Tab	45 cm x 45 cm	

Wa-8	CHECKERBOARD	75 cm x 75 cm	
Wa-8L	CHECKERBOARD (One Direction) Left	90 cm x 90 cm	
Wa-8LR	CHECKERBOARD (Both Directions)	90 cm x 90 cm	
Wa-8R	CHECKERBOARD (One Direction) Right	90 cm x 90 cm	
Wa-9	CHEVRON ALIGNMENT	45 cm x 60 cm	
Wb-1	STOP AHEAD	75 cm x 75 cm	
Wb-101	STOP AHEAD	90 cm x 90 cm	
Wb-101A	YIELD AHEAD	90 cm x 90 cm	
Wb-1A	YIELD AHEAD	75 cm x 75 cm	
Wb-6	KEEP RIGHT	60 cm x 60 cm	
Wc-104	RAILWAY CROSSING AHEAD	120 cm x 120 cm	
Wc-18	SNOWMOBILE CROSSING	60 cm x 60 cm	
Wc-18t	SNOWMOBILE CROSSING	30 cm x 60 cm	
Wc-21	WATER OVER ROAD	75 cm x 75 cm	
Wc-4	RAILWAY CROSSING AHEAD	75 cm x 75 cm	
Wc-6	FALLEN ROCK	75 cm x 75 cm	
Wc-6L	FALLEN ROCK	75 cm x 75 cm	
Wc-6R	FALLEN ROCK	75 cm x 75 cm	
Wc-8	TRUCK ENTRANCE	75 cm x 75 cm	
Wc-8L	TRUCK ENTRANCE	75 cm x 75 cm	
Wc-8R	TRUCK ENTRANCE	75 cm x 75 cm	
Wc-8t	TRUCK ENTRANCE TAB	30 cm x 60 cm	

LIO Table Relationships for Class:

MNR Sign Site

