

Land Information Ontario Data Description

Niagara Escarpment Parks and Open Space System

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LIO Class Catalogue

Niagara Escarpment Parks and Open Space System

Class Short Name: NEPOSSPK

Version Number: 1

Class Description:

Niagara Escarpment Parks and Open Space System (NEPOSS) There are in excess of 130 existing and proposed parks and open space areas within the System. The majority are or will be linked by the Bruce Trail. The NEPOSS System is shown on Niagara Escarpment Plan Map 10. The Ministry of Natural Resources coordinates the development and administration of the Niagara Escarpment Parks and Open Space System. The Niagara Escarpment Parks and Open Space System is owned and managed through the continued cooperation of seven conservation authorities, the Ministry of Natural Resources, the Ontario Heritage Trust, the federal Department of the Environment - Parks Canada, the St. Lawrence Seaway Authority, the Niagara Parks Commission, the Royal Botanical Gardens, municipalities and other bodies capable of managing areas in the public interest (e.g. the Bruce Trail Association, local service clubs, approved conservation organizations).

Abstract Class Name: SPMNTPOLY

Abstract Class

Description:

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.

Tables in LIO Class:

Niagara Escarpment Parks and Open Space System

NEPOSS_PARK_FT

A park or open area within the Niagara Escarpment Parks and Open Space System. The majority of parks or open spaces are or will be linked by the Bruce Trail. The NEPOSS System is shown on Niagara Escarpment Plan Map 10. The Ministry of Natural Resources coordinates the development and administration of the Niagara Escarpment Parks and Open Space System. The Niagara Escarpment Parks and Open Space System is owned and managed through the continued cooperation of seven conservation authorities, the Ministry of Natural Resources, the Ontario Heritage Trust, the federal Department of the Environment - Parks Canada, the St. Lawrence Seaway Authority, the Niagara Parks Commission, the Royal Botanical Gardens, municipalities and other bodies capable of managing areas in the public interest (e.g. the Bruce Trail Conservancy, local service clubs, approved conservation organizations).

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.				
PARK_NAME	VARCHAR2 (100)	Yes	PARK_NAME	
The name of the park.				
NODAL_PARK_IND	VARCHAR2 (3)	Yes	NODAL_IND	Yes, No
Indicates if the park or open space is nodal or not. ----- A regionally represented park. ----- May serve as waysides along the greenways for walking, jogging and cycling and as destination picnic and viewing locations and provide places for rest and reflection. ----- As an example, these parks or open spaces may have a visitor welcoming centre or education centre.				
NEPOSS_PARK_SEGMENT	VARCHAR2 (75)	Yes	SEGMENT	Bruce Peninsula, Dundas Valley/Hamilton Escarpment, Georgian Bay/Grey County, Halton Escarpment/Caledon Hills, Niagara Peninsula, Nottawasaga Highlands/Dufferin Hills
Parks falling within the same general geographic area are grouped accordingly. There are six segments and they are named based on their geographic location i.e. Niagara Peninsula Segment.				
PARK_CLASSIFICATION	VARCHAR2 (75)	Yes	CLASSIF	St. Lawrence Seaway, National Park, Resource Management Area, Recreation, Nature Reserve, Natural Environment, Historical, Escarpment Access
PARK_SITE_ID	NUMBER (3,0)	Yes	SITE_ID	

A unique identifier assigned to the park.

PARK_AGENCY	VARCHAR2 (100)	No	AGENCY	Bruce Trail Conservancy, City of Burlington, City of Hamilton, City of Owen Sound, Conservation Halton, Country Heritage Experience Inc., ... (See NEPOSS_PARK_AGENCY_LIST table)
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A Park Agency owns or manages parks or natural spaces within the Niagara Escarpment Parks and Open Space System.

PARK_AREA_HA	NUMBER (9,3)	No	AREA_HA	
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The area of the park measured in hectares.

PMP_URL	VARCHAR2 (254)	No	PMP_URL	
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A URL pointing to the Park Management Plan.

LOCATION_ACCURACY	VARCHAR2 (25)	No	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.

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_SOURCE

Intersection table between the data class and Source List table.

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.

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)
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Text providing details about the source.	No	SOURCE_DES
METHOD_DESCR	VARCHAR2 (2000)	No
		METHOD
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
How the source contributes to the feature's definition.		
EFFECTIVE_DATETIME	DATE	Yes
		EFF_DATE
Date/time the record was created or last modified in the source database.		

LOCATION_ACCURACY_LIST

List of valid LOCATION_ACCURACYs.

Column Name	Column Type	Mandatory	Short Name	Valid Values
LOCATION_ACCURACY	VARCHAR2 (25)	Yes	ACCURACY	
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	
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.				

NEPOSS_PARK_AGENCY_LIST

A lookup table containing the list of Park Agencies

Column Name	Column Type	Mandatory	Short Name	Valid Values
PARK_AGENCY	VARCHAR2 (100)	Yes	AGENCY	
A Park Agency owns or manages a park or natural space within the Niagara Escarpment Parks and				

The name of the source.

Open Space System.

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.

NEPOSS_PARK_ZONE

An area within a park used to describe specific geographies, policies and management priorities. A park may consist of many different park zones. A park may only have zones if it has an approved Park Management Plan.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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NEPOSS_PARK_ID	NUMBER (13,0)	Yes	PARK_ID	
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System-generated object identifier, unique at the application level.

PARK_ZONE_TYPE	VARCHAR2 (50)	Yes	ZONE_TYPE	Nature Reserve, Natural, Access, Historical, Development, Resource Management
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The type of park zone. There are six zones available. ----- Nature Reserve Zones: include significant natural features or areas which require careful management to ensure the long term protection of these natural values. ----- Natural Zones: include aesthetic landscapes in which a minimum of development is permitted to support low to moderate intensity recreational activities. ----- Access Zones: serve as staging areas (e.g. trailheads, parking lots) where minimal facilities support the use of Nature Reserve Zones and relatively undeveloped Natural and Historical Zones. ----- Historical Zones: include significant archaeological or historical features or areas which require management that will ensure the long term protection of the significant values. ----- Development Zones: provide the main access to the park and open space, and facilities and services to support the recreational activities available (e.g. campgrounds, picnic areas, maintenance facilities). ----- Resource Management Zones: provide for intensive resource management (e.g. forest management, fisheries management, water management, wildlife management, multiple use management).

PARK_ZONE_AREA_HA	NUMBER (9,3)	No	AREA_HA	
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Area of the park zone in hectares.

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

SOURCE_LIST

A description of the source information that is the basis for creating or changing information about a geographic feature. In 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
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SOURCE_NAME	VARCHAR2 (100)	Yes	NAME	
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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 (15)	No	SCALE
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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 (10)	No	H_DATUM
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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 (30)	No	V_DATUM
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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 (40)	No	PROJECTION
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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.

The name of the source.

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:
NEPOSS_PARK_AGENCY_LIST

PARK AGENCY	EXPIRY DATETIME
Bruce Trail Conservancy	
City of Burlington	
City of Hamilton	
City of Owen Sound	
Conservation Halton	
Country Heritage Experience Inc.	
County of Grey	
Credit Valley Conservation	
Escarpment Biosphere Conservancy	
Grey Sauble Conservation	
Hamilton Region Conservation	
Niagara Parks Commission	
Niagara Peninsula Conservation	
Nottawasaga Valley Conservation	
Ontario Heritage Trust	
Ontario Parks	
Parks Canada	
Regional Municipality of Halton	
Royal Botanical Gardens	
St. Lawrence Seaway Authority	
Toronto Region Conservation	
Town of Blue Mountains	

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