

Land Information Ontario Data Description

UTM 100km Grid

Disclaimer

This technical documentation has been prepared by the Ministry of Natural Resources (the “Ministry”), representing Her Majesty the Queen in right of Ontario. Although every effort has been made to verify the information, this document is presented as is, and the Ministry makes no guarantees, representations or warranties with respect to the information contained within this document, either express or implied, arising by law or otherwise, including but not limited to, effectiveness, completeness, accuracy, or fitness for purpose. The Ministry is not liable or responsible for any loss or harm of any kind arising from use of this information.

Some of the information in this document is nonconvertible or has not yet been made accessible and may not be compatible with assistive technologies. If you need any of the information in an alternate format, please contact LIO Support at lio@ontario.ca or (705) 755-1878.

LIO Class Catalogue

UTM 100KM Grid

Class Short Name: UTM100KM

Version Number: 1

Class Description:

A 100km x 100km UTM grid that is a standard reference index for Ontario. It includes a Military Grid Reference and an Atlas identifier. This grid is generated from corner points, covers the province of Ontario and is intended for general use.

Abstract Class Name: SPSTPOLY

Abstract Class

Description:

Spatial Single-Tessellating-Polygon: An object is represented by ONE and ONLY ONE polygon. Polygons may NOT overlap. ALL features in the data class MUST be classified, meaning that HOLES, GAPS or OVERLAPS are NOT allowed. Example: "Provincial Riding", where all areas of Ontario are divided into electoral ridings.

Tables in LIO Class:

UTM 100KM Grid

UTM_100KM_GRID_FT

A 100km x 100km Universal Transverse Mercator (UTM) grid that is a standard reference index for Ontario. It includes a Military Grid Reference, and an Atlas identifier. This grid is generated from corner points, covers the Province of Ontario and is intended for general use.

Column Name	Column Type	Mandatory	Short Name	Valid Values
OGF_ID	NUMBER(13,0)	Yes	OGF_ID	
System generated identifier, unique at the application level.				
UTM_ZONE	NUMBER(2,0)	Yes	UTM_ZONE	15, 16, 17, 1
A geographic reference zone within the province. The Earth is divided into 60 UTM zones running west to east from the Central Median in 6 degree longitudinal strips extending from 80 degrees South latitude to 84 degrees North latitude. In Ontario the 4 zones are 15, 16, 17 and 18.				
EASTING_LOWER_LEFT_CORNER	NUMBER(6,0)	Yes	EASTING	
The UTM NAD83 X-coordinate or Easting in the lower left corner of a full grid square.				
NORTHING_LOWER_LEFT_CORNER	NUMBER(7,0)	Yes	NORTHING	
The UTM NAD83 Y-coordinate or Northing in the lower left corner of a full grid square.				
MGRS_NAD83_IDENT	VARCHAR2(7)	Yes	MGRS_83	
A unique identifier that identifies a specific Military Grid Reference System (MGRS) grid cell. (e.g. 17TPM). See http://maps.nrcan.gc.ca/topo101/mil_ref_e.php for additional information.				
MGRS_NAD27_IDENT	VARCHAR2(7)	Yes	MGRS_27	
The NAD27 identifier which corresponds to the NAD83 extent that identifies a specific Military Grid Reference System (MGRS) grid cell. (e.g. 17TPB). This identifier is intended for reference only as the geometry is based on a NAD83 extent. See http://maps.nrcan.gc.ca/topo101/mil_ref_e.php for additional information.				
ATLAS_NAD83_IDENT	VARCHAR2(4)	Yes	ATLAS_83	
A unique identifier that identifies a specific grid cell. (e.g. 17PM) Although similar to the Military Grid Reference System the Atlas Identifier does not include the Grid Zone Designation (e.g. T) typical of the Military Grid Reference System and is considered a derivative. See http://maps.nrcan.gc.ca/topo101/mil_ref_e.php for additional information.				
ATLAS_NAD27_IDENT	VARCHAR2(4)	Yes	ATLAS_27	
The NAD27 identifier which corresponds to the NAD83 extent that identifies a specific grid cell. (e.g. 17PM). Although similar to the Military Grid Reference System the Atlas Identifier does not include the Grid Zone Designation (e.g. T) typical of the Military Grid Reference System and is considered a derivative. This identifier is intended for reference only as the geometry is based on a NAD83 extent. See http://maps.nrcan.gc.ca/topo101/mil_ref_e.php for additional information.				

PROVINCIAL_IND	VARCHAR2(3)	Yes	PROVINCIAL	Yes, No
-----------------------	-------------	-----	------------	---------

Indication of a grid cell contained in whole or in part within the jurisdictional boundary of the Province of Ontario.

GEOMETRY_UPDATE_DATETIME	DATE	No	GEO_UPT_DT
---------------------------------	------	----	------------

Date/time the geometry was created or last modified in the source database.

EFFECTIVE_DATETIME	DATE	No	EFF_DATE
---------------------------	------	----	----------

Date/time the record was created or last modified in the source database.

SHAPE	SDO_GEOMETRY	No	SHAPE
--------------	--------------	----	-------

Geometry attribute.
