

Land Information Ontario Data Description

UTM 10km Grid

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LIO Class Catalogue

UTM 10Km Grid

Class Short Name: UTM10KM

Version Number: 1

Class Description:

A 10km x 10km UTM NAD83 grid that is a standard reference index for Ontario. It includes a Military Grid Reference, Fire Base Map identifier, Atlas identifier, and an UTM Mapsheet Number. This grid 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 10Km Grid

UTM_10KM_GRID_FT

A 10km x 10km UTM grid that is a standard reference index for Ontario. It includes a Military Grid Reference, Fire Base Map identifier, Atlas identifier, and an UTM Mapsheet Number. 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.				
OBM_MAPSHEET_NUMBER	VARCHAR2(13)	Yes	OBM_MAP	
Identification number of a UTM Mapsheet. This code is comprised the first 2 digits of the scale (e.g. 20 = 1:20,000), the Utm zone number, the first four digits of the UTM Easting, and the first five digits of the UTM Northing. (e.g. 2017610051100)				
FIRE_BASEMAP_IDENT	VARCHAR2(5)	No	FIRE_IDENT	
A five digit identifier used by the Ontario Ministry of Natural Resources Aviation and Forest Fire Management Program (AFFM) to identify a Fire Basemap. This code is comprised of the first two digits of the UTM Easting, and the first three digits of the UTM Northing.				
MGRS_NAD83_IDENT	VARCHAR2(7)	Yes	MGRS_83	
A unique identifier that identifies a specific Military Grid Reference System (MGRS) grid cell. (e.g. 17TPM70). 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. 17TPB70). 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(6)	Yes	ATLAS_83	
A unique identifier that identifies a specific grid cell. (e.g. 17PM70) 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(6)	Yes	ATLAS_27
The NAD27 identifier which corresponds to the NAD83 extent that identifies a specific grid cell. (e.g. 17PM70). 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_UPD_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.			