



Land Information Ontario

Miscellaneous Web Map Service

Version 1.1
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Introduction

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Additional Information

For more information about this document, please contact Land Information Ontario at (705) 755-1878 or lio@ontario.ca.

Related Documentation

[Web Map Service Technical Overview](#)

LIO WMS follows the [OGC WMS specification](#) for versions *1.0, 1.1, 1.1.1*.

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Miscellaneous Web Map Service

Overview

This document provides technical information about the Miscellaneous Web Map Service (WMS). URL's for the WMS functionality are provided as well as the layers and available attributes.

WMS URL

http://www.lio.ontario.ca/wmsconnector/com.esri.wsit.WMSServlet/wms_misc

ACTION NAME	ACTION DESCRIPTION	URL
GetCapabilities	What the WMS can do and what feature types, as discrete layers it offers	http://www.lio.ontario.ca/wmsconnector/com.esri.wsit.WMSServlet/wms_misc?VERSION=1.1.1&SERVICE=WMS&REQUEST=GetCapabilities
GetMap	Produce a map image	http://www.lio.ontario.ca/wmsconnector/com.esri.wsit.WMSServlet/wms_misc?VERSION=1.1.1&REQUEST=GetMap&LAYERS=XXX,XXX,XXX&styles=&SRS=EPSG:4326&BBOX=-95.0,41.0,74.0,56.0&WIDTH=600&HEIGHT=400&FORMAT=XXX
GetFeatureinfo	Return attribute information as per layer definition	http://www.lio.ontario.ca/wmsconnector/com.esri.wsit.WMSServlet/wms_misc?VERSION=1.1.1&REQUEST=GetFeatureInfo&query_layers=XXXX&LAYERS=XXXX&STYLES=&SRS=EPSG:4326&BBOX=-95.0,41.0,74.0,56.0&WIDTH=600&HEIGHT=400&info_format=text/xml&x=X&y=Y

Layers and Attributes

Layer	Largest Display Scale	Smallest Display Scale	Metadata Record	Available Attributes	SNIF Report	Comments
CLIMATE_STATION	N/A	N/A	Climate Monitoring Station	FMF_OBJECT_ID LABEL_ITEM	N/A	
CFD_AREA	N/A	N/A	N/A	FMF_OBJECT_ID LABEL_ITEM	N/A	
LAND_OWNERSHIP	N/A	N/A	Land Ownership	GEOG_UNIT_TYPE_NUM FMF_OBJECT_ID LABEL_ITEM	Land Ownership	
MILL_SITE	N/A	N/A	Mill Site	FMF_OBJECT_ID LABEL_ITEM	N/A	
TRADITIONAL_LAND_USE_AREA	N/A	N/A	Traditional Land Use Area	FMF_OBJECT_ID LABEL_ITEM	Traditional Land Use Area	
WATER_STRUCTURE	1:100000	N/A	Water Structure	FMF_OBJECT_ID LABEL_ITEM	Water Structure	
WATER_WELL	N/A	N/A	Water Well Information System	FMF_OBJECT_ID LABEL_ITEM	Water Well	
WIND_POWER_ALLOC_BLOCK	1:120000	N/A	Wind Power Allocation Block	SYMBOL_ITEM LABEL_ITEM FMF_OBJECT_ID	Wind Power Allocation Block	
RECREATION_CAMP	N/A	N/A	Camp Recreation	FMF_OBJECT_ID LABEL_ITEM	Camp Recreation	

Layer	Largest Display Scale	Smallest Display Scale	Metadata Record	Available Attributes	SNIF Report	Comments
TRAPPER_CABIN	1:1000000	N/A	Trapper Cabin	FMF_OBJECT_ID LABEL_ITEM	Trapper Cabin	
WIND_MEASUREMENT_BLOCK_1KM	1:800000	N/A	Wind Measurement Block 1 Km	FMF_OBJECT_ID LABEL_ITEM	N/A	
TILE_DRAINAGE_AREA	N/A	N/A	Tile Drainage Area	FMF_OBJECT_ID TILE_SYSTEM_TYPE	Tile Drainage Area	
CONSTRUCTED_DRAIN	N/A	N/A	Constructed Drain	FMF_OBJECT_ID DRAIN_IDENT OFFICIAL_NAME LEGAL_STATUS DRAIN_TYPE DRAIN_PERMANENCY BYLAW_NUMBER CONSTRUCTION_YEAR THERMAL_REGIME DFO_CLASS_AUTHORIZATION_TYPE DFO_CLASSIFICATION_YEAR LAST_CLEANOUT_YEAR	Constructed Drain	
NATURAL_HERITAGE_AREA	N/A	N/A	Natural Heritage Values Area	FMF_OBJECT_ID PROTECTED_SITE_IDENT AREA_NAME PROTECTED_AREA_NAME_ENG TYPE_ENG	Natural Heritage Values Area	
power100	N/A	N/A	N/A	IMAGE.FMF_OBJECT_ID IMAGE.LABEL_ITEM	N/A	
power10	N/A	N/A	N/A	IMAGE.FMF_OBJECT_ID IMAGE.LABEL_ITEM	N/A	

Layer	Largest Display Scale	Smallest Display Scale	Metadata Record	Available Attributes	SNIF Report	Comments
power30	N/A	N/A	N/A	IMAGE.FMF_OBJECT_ID IMAGE.LABEL_ITEM	N/A	
power50	N/A	N/A	N/A	IMAGE.FMF_OBJECT_ID IMAGE.LABEL_ITEM	N/A	
power80	N/A	N/A	N/A	IMAGE.FMF_OBJECT_ID IMAGE.LABEL_ITEM	N/A	
speed100	N/A	N/A	N/A	IMAGE.FMF_OBJECT_ID IMAGE.LABEL_ITEM	N/A	
speed10	N/A	N/A	N/A	IMAGE.FMF_OBJECT_ID IMAGE.LABEL_ITEM	N/A	
speed30	N/A	N/A	N/A	IMAGE.FMF_OBJECT_ID IMAGE.LABEL_ITEM	N/A	
speed50	N/A	N/A	N/A	IMAGE.FMF_OBJECT_ID IMAGE.LABEL_ITEM	N/A	
CONTROLLED_DRAINAGE	N/A	N/A	Controlled Drainage	OBJECTID CDSI CLASS	N/A	

Layer	Largest Display Scale	Smallest Display Scale	Metadata Record	Available Attributes	SNIF Report	Comments
DRAIN_CONNECTION	N/A	N/A	Drain Connection	FMF_OBJECT_ID CONNECTION_IDENT CONNECTION_TYPE OWNERSHIP_TYPE CONNECTION_PURPOSE CONSTRUCTION_MATERIAL CONSTRUCTED_YEAR DIAMETER_CM UPPER_TIER_MUNICIPALITY GEOGRAPHIC_TOWNSHIP_NAME CONCESSION_IDENT LOT_IDENT	Drain Connection	
SOUTH_ONT_SOILS_SHP_BT	N/A	N/A	Soils Ontario Packaged Product	OBJECTID PERCENT1 SOIL_NAME1 SLOPE1 DRAINAGE1 DR_DESIGN1 HYDRO1 ATEXTURE1 PERCENT2 SOIL_NAME2 SLOPE2 DRAINAGE2 DR_DESIGN2 HYDRO2 ATEXTURE2 PERCENT3 SOIL_NAME3 SLOPE3 DRAINAGE3 DR_DESIGN3 HYDRO3	N/A	

Layer	Largest Display Scale	Smallest Display Scale	Metadata Record	Available Attributes	SNIF Report	Comments
SOIL_SURVEY_COMPLEX_CLI	1:200000	N/A	Soil Survey Complex	ATEXTURE1 ATEXTURE2 ATEXTURE3 CLASS1 CLASS2 CLASS3 CLI1 CLI1_1 CLI1_2 CLI2 CLI2_1 CLI2_2 CLI3 CLI3_1 CLI3_2 DRAINAGE1 DRAINAGE2 DRAINAGE3 DR_DESIGN1 DR_DESIGN2 DR_DESIGN3 FMF_OBJECT_ID HYDRO1 HYDRO2 HYDRO3 JUSTIFICATION_ID LANDSCAPE1 LANDSCAPE2 LANDSCAPE3 LOCATION_ACCURACY MAPUNIT MODIFIER1 MODIFIER2	Soil Survey Complex	<i>Attribute filtered for symbology purposes</i>

Layer	Largest Display Scale	Smallest Display Scale	Metadata Record	Available Attributes	SNIF Report	Comments
				MODIFIER3 PARNT_MAT2 PARNT_MAT2 PARNT_MAT3 PERCENT1 PERCENT2 PERCENT3 RANGE1 RANGE2 RANGE3 SLOPE1 SLOPE2 SLOPE3 SOILCODE1 SOILCODE2 SOILCODE3 SOILTYPE1 SOILTYPE2 SOILTYPE3 SOIL_CMLPX SOIL_NAME1 SOIL_NAME2 SOIL_NAME3 SOURCE_DETAIL SOURCE_ID STONINESS1 STONINESS2 STONINESS3 SURVEY1 SURVEY2 SURVEY3 SYMBOL1 SYMBOL2		

Layer	Largest Display Scale	Smallest Display Scale	Metadata Record	Available Attributes	SNIF Report	Comments
				SYMBOL3		
SOIL_SURVEY_COMPLEX_DRAINAGE	1:200000	N/A	Soil Survey Complex	ATEXTURE1 ATEXTURE2 ATEXTURE3 CLASS1 CLASS2 CLASS3 CLI1 CLI1_1 CLI1_2 CLI2 CLI2_1 CLI2_2 CLI3 CLI3_1 CLI3_2 DRAINAGE1 DRAINAGE2 DRAINAGE3 DR_DESIGN1 DR_DESIGN2 DR_DESIGN3 FMF_OBJECT_ID HYDRO1 HYDRO2 HYDRO3 JUSTIFICATION_ID LANDSCAPE1 LANDSCAPE2 LANDSCAPE3 LOCATION_ACCURACY	Soil Survey Complex	<i>Attribute filtered for symbology purposes</i>

Layer	Largest Display Scale	Smallest Display Scale	Metadata Record	Available Attributes	SNIF Report	Comments
				MAPUNIT MODIFIER1 MODIFIER2 MODIFIER3 PARNT_MAT2 PARNT_MAT2 PARNT_MAT3 PERCENT1 PERCENT2 PERCENT3 RANGE1 RANGE2 RANGE3 SLOPE1 SLOPE2 SLOPE3 SOILCODE1 SOILCODE2 SOILCODE3 SOILTYPE1 SOILTYPE2 SOILTYPE3 SOIL_CMLX SOIL_NAME1 SOIL_NAME2 SOIL_NAME3 SOURCE_DETAIL SOURCE_ID STONINESS1 STONINESS2 STONINESS3 SURVEY1 SURVEY2		

Layer	Largest Display Scale	Smallest Display Scale	Metadata Record	Available Attributes	SNIF Report	Comments
				SURVEY3 SYMBOL1 SYMBOL2 SYMBOL3		