

METADATA MANAGEMENT TOOL (LIO)

Lidar - Digital Terrain Model (2016-18)

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Title	Lidar - Digital Terrain Model (2016-18)
Date	2018-06-15
Date type	Revision
Abstract	<p>Lidar Digital Terrain Model (2016-18) Land Information Ontario (LIO) Dataset is a 50 cm raster representing the bare-earth terrain derived from a classified lidar point cloud, which has been hydro-flattened using waterbody breaklines. The breaklines which were used by Airborne Imaging Inc. for the creation of the Lidar Digital Terrain Model are also available for download. Data collection occurred during the fall of 2016, fall and spring of 2017 and spring of 2018. It covers selected regional areas in Southern Ontario and portions of Northern Ontario. This data is the output of the first two years of a three year data collection project. Data will be updated to include the remaining Lake Erie and Cochrane project areas in the second half of 2018</p> <p>The DTM data is available in the form of 1km x 1km non-overlapping tiles by project area. Please use Tile Index to determine which package(s) you require for download. For more detailed information about this dataset, refer to the associated User Guide.</p>
Purpose	<p>The purpose of this airborne topographic lidar acquisition was to acquire classified lidar digital elevation data and derivative products to support agricultural soil map renewal for selected geographic areas in southern Ontario and portions of northern Ontario. This data is intended for GIS and remote sensing applications that require a high resolution, high accuracy elevation model. These elevation models, known as Digital Elevation Models (DEMs), are invaluable for agricultural soil mapping, infrastructure assessment and development, forest modelling and management, land hazard/erosion mapping and flood control amongst other applications.</p>
Metadata language	eng
Hierarchy level	Dataset
Linkage	https://www.sse.gov.on.ca/sites/MNR-PublicDocs/EN/CMID/Lidar_DTM_2016-18_UserGuide.pdf
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Linkage	

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Keyword	DTM
Keyword	Digital Terrain Model
Keyword	Digital elevation model
Keyword	DEM
Keyword	Terrain
Keyword	Topography
Keyword	OMAFRA Lidar
Keyword	Airborne Topographic Lidar
Keyword	Light Detection and Ranging
Keyword	LIDAR
Type	Theme
Keyword	Elevation
Type	Theme

Description	Cochrane Extent (WSG_1984)
Description	Peterborough Extent (WGS_1984)
Description	Lake Erie Extent (WGS_1984)
West bound	-83.99993

East bound	-80.670187
South bound	49.00017
North bound	49.82087
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North bound	44.91335
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East bound	-80.040799
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North bound	43.45909

Distance	Metres
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Statement	
Source	missing
Description	

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Character set	UTF8
Individual name	
Organisation name	Ontario Ministry of Natural Resources and Forestry - Provincial Mapping Unit
Role	Custodian
Date stamp	2018-08-07T15:16:26