

# **GRS011 METADATA**

## **GENERAL INFORMATION**

**Official Name of the Data Set or Information Holding:** Three-Dimensional Modelling of Surficial Deposits in the Barrie-Oro Moraine Area of Southern Ontario

**Acronyms are Used to Identify the Data Set or Information Holding:** GRS011

**Describe the Data Set or Information Holding:**

Burt, A.K., Dodge, J.E.P. (authors)

This publication can be downloaded from GeologyOntario: see Distribution Information section.

This digital data release contains information regarding the three-dimensional distribution and character of surficial materials that form groundwater aquifers and aquitards within the Barrie-Oro Moraine area of southern Ontario. The data sets are organized into a series of folders, each containing information of varying type and format. These data include 1) a summary report (.pdf); 2) ESRI(R) ArcInfo(R) grids and comma-delimited (.csv) files of modelled surfaces; 3) Google Earth(TM) mapping service (.kml, .kmz) and portable network graphics (.png) files depicting borehole location and stratigraphic information as well as isopach and structural contour maps of modelled units; 4) graphic (.jpg) borehole logs; 5) analytical data (.xls) for samples collected; 6) high-resolution plates (.pdf) depicting north-south and east-west cross sections and structural contour and isopach maps; and 7) an abridged version of the subsurface data (.mdb) used for the construction of the three-dimensional block model, which includes borehole location, stratigraphic information and picks data. Additional information and metadata are found within a readme file provided with the product.

**The Intended Use and Purpose for Collecting the Data Set or Information Holding:** The project was undertaken to determine the three-dimensional architecture of aquifers and aquitards in the subsurface for groundwater protection and management. The objective of this product is to collect and disseminate geoscience information for Ontario.

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Burt, A.K. and Dodge, J.E.P. 2011. Three-dimensional modelling of surficial deposits in the Barrie-Oro Moraine area of southern Ontario; Ontario Geological Survey, Groundwater Resources Study 11. ISBN 978-1-4435-7207-1 (DVD) ISBN 978-1-4435-7206-4 (Zip file)

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**Describe any Legislated or Legal Authority for Collecting the Data Set:** N/A

**Select the Level of Privacy for this Metadata Information:** Public

**Time Coverage:** November 8, 2011

**Time Coverage Comments:** Date of Publication

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**Enter or Select the Frequency with which Changes or Additions are Made to the Data Set:**  
None Planned

**Enter the retention schedule number:** 9999

**Retention period or description:**MGE

**Keywords:**

3-D MODELLING

3-DIMENSIONAL MODELLING

GROUNDWATER

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

MNDM

OGS

ONTARIO GEOLOGICAL SURVEY

QUATERNARY SURFICIAL GEOLOGY

**Business Theme:**

GEOLOGICAL SURVEY

GEOLOGY

## **GEOGRAPHIC INFORMATION**

**Selected geographic type:**Bounding Box only

North Bounding Coordinate: 44° 47'

South Bounding Coordinate: 44° 18'

West Bounding Coordinate: -79° 49'

East Bounding Coordinate: -79° 20'

**Geographic Completeness:** irregularly shaped study area - 100% Complete

## **MAPPING INFORMATION**

**Grid Coordinate System Used:** Universal Transverse Mercator

**Map Projection:** Transverse Mercator

**Horizontal Geodetic Datum:** NAD83

**Vertical Geodetic Datum:** Not Applicable

**Position Accuracy of Features:**

**Horizontal:** Very Precise +/-1 m

**Vertical:** Very Precise +/-1 m

## **DATA SOURCE INFORMATION**

**Data Source Type:** Includes Bibliographic Information

**Describe for the Source Data Contribution:** Product includes references to other sources of information

**Data Source Type:** Direct Field Collection

**Describe for the Data Source:**

**Time Period Comments:** survey conducted from June 1, 2004 to November 30, 2006 Data collected from 01/06/2004 to 30/11/2006

## **CONTACT**

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**METADATA**

**Date of this Metadata Description/Update:** September 24, 2020

**Date when Metadata Should be Reviewed:** December 31, 2016

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