

GRS003-METADATA DETAIL PAGE

GENERAL INFORMATION

Official Name of the Data Set or Information Holding: Three-Dimensional Mapping of Surficial Deposits in the Regional Municipality of Waterloo, Southwestern Ontario

Acronyms are Used to Identify the Data Set or Information Holding: GRS003

Describe the Data Set or Information Holding: Bajc, A.F., Shirota, J. (authors) This digital data release contains information regarding the 3-dimensional distribution and character of surficial aquifers and aquitards within the Regional Municipality of Waterloo in southwestern Ontario. The data sets are organized into a series of folders, each containing information of varying type and format. A movie file (Waterloo.avi) providing information on the use of the Google™ Earth (*.kmz) is also included.

The Intended Use and Purpose for Collecting the Data Set or Information Holding: The Groundwater Resources Study (GRS) series seeks to better the understanding of Ontario's groundwater resources through the collection, evaluation and distribution of geoscience data. The main objective of the series is to provide accurate information on a range of groundwater-related themes, including local- to watershed-scale aquifer characterization and delineation; geologic controls and influences on groundwater quantity and quality; and methods development. Products of the groundwater program include geoscience reports, data sets and protocols for information collection and handling. Geoscience information generated through the series will find application in the protection and sustainable management of the province's groundwater resources. The objectives of this project were to develop protocols for the construction of interactive 3-D models of Quaternary geology and derived products that could: 1) aid in studies involving groundwater extraction, protection and remediation; 2) assist with the development of policies surrounding land use and nutrient management; and 3) help to better understand the interaction between ground and surface waters. The objective of this product is to collect and disseminate geoscience information for Ontario.

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Bajc, A.F. and Shirota, J. 2007. Three-dimensional mapping of surficial deposits within the Regional Municipality of Waterloo, southwestern Ontario; Ontario Geological Survey, Groundwater Resources Study 3, 41p. ISBN 978-1-4249-4393-7

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Time Coverage: Tuesday, August 7, 2007

Time Coverage Comments: Date of Publication

Enter or Select the Current Status of the Data Set: Complete

Enter or Select the Frequency with which Changes or Additions are Made to the Data Set:
As Needed

Enter the retention schedule number: 9999

Retention period or description:MR

Keywords:

3-DIMENSIONAL MODELLING
GROUNDWATER
QUATERNARY SURFICIAL GEOLOGY

Business Theme:

GEOLOGICAL SURVEY
GEOLOGY

GEOGRAPHIC INFORMATION

Selected geographic type:Bounding Box only

North Bounding Coordinate: 43° 45'

South Bounding Coordinate: 43° 15'
West Bounding Coordinate: -81° 00'
East Bounding Coordinate: -80° 00'
Geographic Completeness: 100% Complete

MAPPING INFORMATION

Grid Coordinate System Used: Universal Transverse Mercator
Map Projection: Geographic
Horizontal Geodetic Datum: NAD83
Vertical Geodetic Datum: Unknown
Position Accuracy of Features:
Horizontal: +/- 50 m
Vertical: Reliable: +/- 5 m

CONTACT

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METADATA

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

Date when Metadata Should be Reviewed: December 31, 2010

DISTRIBUTION INFORMATION

The data set can be downloaded from

http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=GRS003

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