

GRS010 METADATA

GENERAL INFORMATION

Official Name of the Data Set or Information Holding: Three-Dimensional Mapping of Surficial Deposits in the Brantford-Woodstock Area, Southwestern Ontario

Acronyms are Used to Identify the Data Set or Information Holding: GRS010

Describe the Data Set or Information Holding:

Bajc, A.F., 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 may form groundwater aquifers and aquitards within the Brantford-Woodstock area of southwestern 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) files depicting borehole location and stratigraphic information as well as isopach and structural contour maps of modelled units; 4) graphic (.htm, .jpg, .tif) and written (.doc, .htm) borehole logs, high-resolution (.jpg) photographs of core and analytical data (.xls) for samples collected, all presented in a hyperlinked .htm format; 5) high-resolution plates (.pdf) depicting north-south and east-west cross sections and aquifer recharge and vulnerability maps; and 7) an abbreviated version of the subsurface data (.mdb) used for the construction of the three-dimensional block model which includes borehole collar and stratigraphic information, picks data, and screen depth and water level information. 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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Bajc, A.F. and Dodge, J.E.P. 2011. Three-dimensional mapping of surficial deposits in the Brantford-Woodstock area, southwestern Ontario; Ontario Geological Survey, Groundwater Resources Study 10. ISBN 978-1-4435-6871-5 (CD) ISBN 978-1-4435-6872-2 (Zip file)

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

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MNDM

OGS

ONTARIO GEOLOGICAL SURVEY

QUATERNARY SURFICIAL GEOLOGY

Business Theme:

GEOLOGICAL SURVEY

GEOLOGY

GEOGRAPHIC INFORMATION

Selected geographic type:Bounding Box only

North Bounding Coordinate: 43° 22'

South Bounding Coordinate: 43° 00'

West Bounding Coordinate: -81° 00'

East Bounding Coordinate: -80° 15'

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, 2006 to May 31, 2009 Data collected from 01/06/2006 to 31/05/2009

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METADATA

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