

GDS1072 METADATA DETAIL PAGE

GENERAL INFORMATION

Official Name of the Data Set or Information Holding: Ontario Geophysical Surveys, Ground Gravity Data, Grid and Point Data (ASCII and Geosoft® Formats) and Vector Data, Orangeville Area.

Acronyms are Used to Identify the Data Set or Information Holding: GDS1072

Describe the Data Set or Information Holding:

Ontario Geological Survey (author)

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

Geophysical Data Set (GDS) 1072 comprises gravity data taken from a total of 6868 land gravity stations during 2010 (543 readings by OGS), 2011 (78 readings by Excel Geophysics) and 2012 (6247 readings by Excel Geophysics) field seasons. The survey covers an area of about 2000 km² and is located in the Orangeville area, southern Ontario.

The data include 40 m x 40 m grids and GeoTIFF images of Bouguer gravity data; DXF vector files of station locations and contours of the Bouguer gravity; database of gravity and elevation data; profiles of regional and residual gravity; and a survey report in portable document format (.pdf). These data accompany geophysical Maps 82588 and 82589, and are available separately from the digital data set.

Survey Parameters

Data acquired: 2010, 2011 and 2012

No. of stations: 6868

Survey type: ground gravity

Gravimeters: LaCoste & Romberg Model G

GPS elevation: Leica Viva

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:

This ground gravity survey was carried out as part of the Ontario Geological Survey's groundwater and three-dimensional (3-D) mapping program. This survey was designed to help define the bedrock topography and in particular identify deeply incised channels inset into the broad bedrock depression of the Laurentian channel as well as valleys coming off the Niagara Escarpment to the west.

The objective of this product is to collect and disseminate geoscience information for

Ontario.

Describe any Restrictions and Legal Prerequisites for Accessing the Data Set (Data Privacy/Security): Abbreviated Terms of Use. 'Content' and/or 'Electronic Information Product' (EIP) and its Content: This Content and/or EIP and its Content is offered by the Province of Ontario's Ministry of Northern Development and Mines (MNDM) as a public service, on an 'as-is' basis. Recommendations and statements of opinions expressed are those of the author or authors and are not to be construed as statement of government policy. You are solely responsible for your use of the Content and/or EIP and its Content. You should not rely on the Content for legal advice nor as authoritative in your particular circumstances. Users should verify the accuracy and applicability of any Content before acting on it. MNDM does not guarantee, or make any warranty express or implied, that the Content is current, accurate, complete or reliable or that the EIP is free from viruses or other harmful components. MNDM is not responsible for any damage however caused, which results, directly or indirectly, from your use of the Content and/or the EIP and its Content. MNDM assumes no legal liability or responsibility for the Content and/or the EIP and its Content whatsoever.

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Ontario Geological Survey 2013. Ontario geophysical surveys, ground gravity data, grid and point data (ASCII and Geosoft®) formats) and vector data, Orangeville area; Ontario Geological Survey, Geophysical Data Set 1072.

ISBN 978-1-4606-1810-3 (CD) ISBN 978-1-4606-1811-0 (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: Internal

Time Coverage: Tuesday June 4, 2013

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: None Planned

Enter the retention schedule number: 9999

Retention period or description:PT

Keywords:

MINISTRY OF NORTHERN DEVELOPMENT AND MINES
MNDM
OGS
ONTARIO GEOLOGICAL SURVEY
GRAVITY
GROUND GRAVITY

Business Theme:

GEOLOGICAL SURVEY
GEOLOGY

GEOGRAPHIC INFORMATION

Selected geographic type: Bounding Box only

North Bounding Latitude: 43° 34'

South Bounding Latitude: 41° 01'

West Bounding Longitude: -80° 29'

East Bounding Longitude: -79° 58'

Geographic Completeness: irregularly shaped study area - completeness not available

MAPPING INFORMATION

| | |
|---|-------------------------------|
| Grid Coordinate System Used: | Universal Transverse Mercator |
| Map Projection: | Transverse Mercator |
| Horizontal Geodetic Datum: | NAD83 |
| Vertical Datum: | Not Applicable |
| Horizontal Position Accuracy of Features: | +/- 10 m |
| Vertical Position Accuracy of Features: | Not Applicable |

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

Time Period Source survey comprising 6868 gravity readings: 6247 stations between October 6 and November 24, 2012; 78 stations during winter 2011; 543 stations during

summer 2010.

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METADATA

Date of this Metadata Description/Update: May 22, 2013

Date when Metadata Should be Reviewed: December 31, 2016

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