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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.

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These data accompany:

Ontario Geological Survey Maps 82 588 to 82 589

*Ground Gravity Survey, Residual of the Bouguer Anomaly, Orangeville Area, scale 1:50 000*

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Users of OGS products are encouraged to contact those Aboriginal communities whose traditional territories may be located in the mineral exploration area to discuss their project.

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Geophysical Data Set1072

**Ontario geophysical surveys, ground gravity data, grid and point data (ASCII and Geosoft® formats) and vector data, Orangeville area**

by Ontario Geological Survey

This publication can be downloaded from

[http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm\\_dir.asp?type=pub&id=GDS1072](http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=GDS1072)

A ground gravity survey was carried out as part of the Ontario Geological Survey's groundwater and 3-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.

This survey is located in the Orangeville area, which lies directly north of Guelph in Ontario and covers an area of about 2000 km<sup>2</sup>. The survey comprises data collected from 6247 land gravity stations along 41 lines during the fall of 2012. The project was laid out along highways and roads within the survey area, which are made up of a combination of paved and gravel surfaces, and therefore accessed by truck. In addition, data from 2 previous surveys were integrated into the final products (78 stations collected during the winter of 2011 and 543 stations from a survey performed during the summer of 2010).

This geophysical data set includes

- ground gravity and elevation data—both raw and processed—in ASCII and Geosoft® file formats
- grids (in ASCII and Geosoft® (GRD file formats) of the gravity and elevation products
- geoTIFF image of the residual Bouguer gravity grid
- vector DXF files of station locations and residual Bouguer gravity contours
- profiles of elevation, Bouguer gravity, regional gradient, and residual Bouguer gravity in portable document format
- survey report and documentation in portable document format (PDF).