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Ontario Geological Survey 2015. Ontario airborne geophysical surveys, magnetic, electromagnetic and gamma-ray spectrometric data, grid and profile data (ASCII and Geosoft[®] formats) and vector data, Scadding Township area—Purchased data; Ontario Geological Survey, Geophysical Data Set 1247.

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These data accompany the following publications (available separately):

Maps 60 454 to 60 456

Airborne Magnetic, Electromagnetic and Gamma-Ray Spectrometric Surveys, Colour-Filled Contours of the Residual Magnetic Field, Scadding Township Area—Purchased Data, scale 1:20 000.

Maps 60 457 to 60 459

Airborne Magnetic, Electromagnetic and Gamma-Ray Spectrometric Surveys, Shaded Colour Image of the Second Vertical Derivative of the Residual Magnetic Field and Keating Correlation Coefficients, Scadding Township Area—Purchased Data, scale 1:20 000.

Maps 60 460 to 60 462

Airborne Magnetic, Electromagnetic and Gamma-Ray Spectrometric Surveys, Ternary Radioelement Image, Scadding Township Area—Purchased Data, scale 1:20 000.

Maps 60 463 to 60 465

Airborne Magnetic, Electromagnetic and Gamma-Ray Spectrometric Surveys, Colour-Filled Contours of the VLF–EM Vertical Field, Scadding Township Area—Purchased Data, scale 1:20 000.

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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.

Geophysical Data Set 1247

Ontario Airborne Geophysical Surveys, Magnetic, Electromagnetic and Gamma-Ray Spectrometric Data, Grid and Profile Data (ASCII and Geosoft® Formats) and Vector Data, Scadding Township Area—Purchased Data

by Ontario Geological Survey

This publication can be downloaded from

http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=GDS1247

Geophysical Data Set (GDS) 1247 includes the results of an airborne magnetic, electromagnetic and gamma-ray spectrometric survey, totalling 2950 line-kilometres, flown in the Scadding Township area, 30 km northeast of Sudbury, Ontario. The survey covered an area of 240 km². The survey was conducted in 2010 by Terraquest Limited, Markham, Ontario, for True Claim Exploration Inc., Vancouver, British Columbia.

As part of an ongoing program to acquire high-quality, high-resolution airborne geophysical data across the Province of Ontario, the Ministry of Northern Development and Mines (MNDM) does, from time to time, issue Requests For Data (RFD) in order to purchase existing proprietary data held by mining companies. Purchase of existing data complements new surveys commissioned by the MNDM.

The purchase of data is attractive because of the low cost of acquisition relative to flying new surveys. The money used to purchase the data can be reinvested in exploration. The data are assessed for quality prior to purchase and are reprocessed to meet the common formats and standards of other Ontario geophysical data. Once reprocessed, these data are then made public.

This geophysical data set includes

- 20 m × 20 m grids and GeoTIFF images of the magnetic, electromagnetic (VLF–EM) and gamma-ray spectrometric (radiometric) data
- airborne magnetic and electromagnetic (VLF–EM) profile data—both raw and processed—in ASCII (.xyz) and Geosoft® (.gdb) file formats
- grids (in ASCII (.gxf) and Geosoft® (.grd) file formats) of the magnetic, electromagnetic (VLF–EM) and gamma-ray spectrometric (radiometric) data
- database of Keating correlation coefficient anomalies in ASCII (.csv) and Geosoft® (.gdb) file formats
- database of gamma-ray spectrometric (radiometric) profile data in ASCII (.xyz) and Geosoft® (.gdb) file formats
- vector (*.dxf) files of flight path, Keating correlation coefficient anomalies, contours of the residual magnetic intensity and the VLF–EM contours
- survey report in portable document format (.pdf)

Survey Parameters

Survey type:	magnetic, electromagnetic and gamma-ray spectrometric
Date flown:	April 20 to 26, 2010
Survey conducted by:	Terraquest Limited, Markham, Ontario
Survey conducted for:	True Claim Exploration Inc., Vancouver, British Columbia
Survey size:	2950 line-kilometres
Survey area:	240 km ²
Traverse flight-line spacing:	100 m
Control line spacing:	1000 m
Nominal aircraft terrain clearance:	80 m
Magnetic survey type:	cesium-vapour
Magnetometer sensor locations:	wingtips, tail stinger
Magnetic sampling interval:	10 readings per second
EM survey type:	VLF–EM
EM domain:	N/A
EM height:	N/A
VLF–EM:	Terraquest Ltd. XDS
Gamma-ray survey:	256 channel

These data accompany geophysical Maps 60454 to 60465, which are available separately from the digital data set.