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These data accompany:

Ontario Geological Survey, Geophysical Data Set 1084a

*Ontario Airborne Geophysical Surveys, Magnetic Gradiometer and Gamma-Ray Spectrometric Data, Grid and Profile Data (ASCII Format) and Vector Data, Lac Seul East Area*

Ontario Geological Survey Maps 82 886 to 82 896

*Airborne Magnetic Gradiometer and Gamma-Ray Spectrometric Surveys, Colour-Filled Contours of the Residual Magnetic Field, Lac Seul East Area, scale 1:50 000.*

Ontario Geological Survey Maps 82 897 to 82 907

*Airborne Magnetic Gradiometer and Gamma-Ray Spectrometric Surveys, Shaded Colour Image of the Second Vertical Derivative of the Residual Magnetic Field and Keating Coefficients, Lac Seul East Area, scale 1:50 000.*

Ontario Geological Survey Maps 82 908 to 82 918

*Airborne Magnetic Gradiometer and Gamma-Ray Spectrometric Surveys, Ternary Radioelement Image, Lac Seul East Area, scale 1:50 000.*

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Geophysical Data Set 1084B

**Ontario Airborne Geophysical Surveys, Magnetic Gradiometer and Gamma-Ray Spectrometric Data, Grid and Profile Data (Geosoft® Format) and Vector Data, Lac Seul East 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=GDS1084b](http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=GDS1084b)

Geophysical Data Set (GDS) 1084b comprises the results of an airborne magnetic and gamma-ray spectrometric survey, totalling 54 603 line-kilometres, flown over the eastern portion of Lac Seul and adjacent areas in northwestern Ontario. The survey covers an area approximately 9 835 square kilometres, and was flown by Terraquest Ltd. (Markham, Ontario).

This geophysical data set includes

- airborne magnetic and gamma-ray spectrometric profile data—both raw and processed—in Geosoft® (.gdb) file format
- 20 m × 20 m grids (in Geosoft® (.grd) file format) of the magnetic and gamma-ray spectrometric profile data
- database of Keating correlation coefficient anomalies in Geosoft® (.gdb) file format
- GeoTIFF (.tif) images of magnetic and gamma-ray spectrometric grids
- vector (.dxf) files of flight path, Keating anomalies and contours of the residual magnetic field
- the survey report and supporting documents in portable document format (.pdf)

**Survey Parameters:**

Survey type:	Magnetic and gamma-ray spectrometric
Survey conducted by:	Terraquest Ltd., Markham, Ontario
Date flown:	July 28 to November 2, 2016
Survey area:	9 835 square kilometres
Survey size:	54 603 line-kilometres
Flight-line spacing:	200 m
Control-line spacing:	2000 m
Aircraft nominal terrain clearance:	100 m
Magnetic survey type:	horizontal gradiometer
Magnetic sampling interval:	10 readings per second
EM survey type:	N/A
EM domain:	N/A
EM height:	N/A
VLF-EM:	none
Gamma-ray survey:	gamma-ray spectrometric

These data accompany geophysical Maps 82 886 to 82 918, which are available separately from the digital data set.