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These data accompany:

Ontario Geological Survey, 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

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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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 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

by Ontario Geological Survey

This publication can be downloaded from

http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=GDS1084a

Geophysical Data Set (GDS) 1084a 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 ASCII (.xyz) file format
- 20 m × 20 m grids (in ASCII (.gxf) file format) of the magnetic and gamma-ray spectrometric profile data
- database of Keating correlation coefficient anomalies in ASCII (.csv) 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.