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These data accompany the following publications (available separately):

Ontario Geological Survey Maps 83 000 to 83 005

Airborne Magnetic and Electromagnetic Surveys, Residual Magnetic Field Contours with Electromagnetic Anomalies and Keating Correlation Coefficients, Biscotasing Area, scale 1:20 000.

Ontario Geological Survey Maps 83 006 and 83 007

Airborne Magnetic and Electromagnetic Surveys, Colour-Filled Contours of the Residual Magnetic Field and Electromagnetic Anomalies, Biscotasing Area, scale 1:50 000.

Ontario Geological Survey Maps 83 008 and 83 009

Airborne Magnetic and Electromagnetic Surveys, Shaded Colour Image of the Second Vertical Derivative of the Residual Magnetic Field and Keating Correlation Coefficients, Biscotasing Area, scale 1:50 000.

Ontario Geological Survey Maps 83 010 and 83 011

Airborne Magnetic and Electromagnetic Surveys, Colour-filled Contours of the EM Decay Constant and Electromagnetic Anomalies, Biscotasing Area, scale 1:50 000.

Ontario Geological Survey Maps 83 012 and 83 013

Airborne Magnetic and Electromagnetic Surveys, Colour-filled Contours of the Apparent Conductivity and Electromagnetic Anomalies, Biscotasing Area, scale 1:50 000.

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Geophysical Data Set 1087

Ontario Airborne Geophysical Surveys, Magnetic and Electromagnetic Data, Grid and Profile Data (ASCII and Geosoft® Formats) and Vector Data, Biscotasing 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=GDS1087

Geophysical Data Set (GDS) 1087 includes the results of an airborne magnetic and electromagnetic survey, totalling 6 146 line-kilometres, flown over the Biscotasing area of northeastern Ontario. The survey covers an area approximately 1 058 square kilometres, and was flown by SkyTEM Canada Inc. (Woodstock, Ontario).

This geophysical data set includes

- airborne magnetic profile data—both raw and processed—in ASCII (.xyz) and Geosoft® (.gdb) file formats
- 40 m × 40 m grids in ASCII (.gxf) and Geosoft® (.grd) file formats of the magnetic and electromagnetic profile data and derivatives
- database of picked electromagnetic anomalies in ASCII (.csv) and Geosoft® (.gdb) file formats
- database of Keating correlation coefficient anomalies in ASCII (.csv) and Geosoft® (.gdb) file formats
- GeoTIFF (.tif) images of magnetic and electromagnetic grids
- vector (.dxf) files of flight path, EM anomalies, Keating anomalies and contours of the residual magnetic field, EM decay constant and apparent conductivity
- survey report in portable document format (.pdf)

Survey Parameters:

Survey type:	electromagnetic and magnetic
Survey conducted by:	SkyTEM Canada Inc., Woodstock, Ontario
Date flown:	December 6, 2019 to February 16, 2020
Survey area:	1 058 km ²
Survey size:	6 146 line-kilometres
Flight-line spacing:	200 m
Control-line spacing:	1500 m
Aircraft nominal terrain clearance:	89 m
Magnetic survey type:	single sensor total field
Magnetic sampling interval:	10 readings per second
EM survey type:	SkyTEM
EM domain:	TDEM
EM height:	49 m
VLF-EM:	N/A
Gamma-ray survey:	N/A

These data accompany geophysical Maps 83 000 to 83 013, which are available separately from the digital data set.