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These data accompany the following publications (available separately):

Ontario Geological Survey Geophysical Data Set 1086b

*Ontario Airborne Geophysical Surveys, Magnetic Gradiometer and Gamma-Ray Spectrometric Data, Grid and Profile Data (Geosoft® Format) and Vector Data, Ramsey–Algoma Area*

Ontario Geological Survey Maps 82 950 to 82 964

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

Ontario Geological Survey Maps 82 965 to 82 979

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

Ontario Geological Survey Maps 82 980 to 82 994

*Airborne Magnetic Gradiometer and Gamma-Ray Spectrometric Surveys, Ternary Radioelement Image, Ramsey–Algoma Area, scale 1:50 000.*

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Geophysical Data Set 1086a

**Ontario Airborne Geophysical Surveys, Magnetic Gradiometer and Gamma-Ray Spectrometric Data, Grid and Profile Data (ASCII Format) and Vector Data, Ramsey–Algoma 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=GDS1086a](http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=GDS1086a)

Geophysical Data Set (GDS) 1086a includes the results of an airborne magnetic gradiometer and gamma-ray spectrometric survey, totalling 117,772 line-kilometres, flown over the Ramsey–Algoma area in northeastern Ontario. The survey covers an area approximately 26 058 square kilometres, and was flown by Sander Geophysics Ltd. (Ottawa, Ontario).

This geophysical data set includes

- 50 m × 50 m grids (in ASCII (.gxf) file format) of the magnetic and gamma-ray spectrometric (radiometric) data
- airborne magnetic and gamma-ray spectrometric profile data—both raw and processed—in ASCII (.xyz) file format

- databases of Keating correlation coefficient anomalies in ASCII (.csv) file format
- databases of gamma-ray spectrometric (radiometric) profile data in ASCII (.xyz) file format
- GeoTIFF (.tif) images of magnetic and gamma-ray spectrometric grids
- vector (.dxf) files of flight path, Keating correlation coefficient anomalies and contours of the residual magnetic field
- survey report in portable document format (.pdf)

### Survey Parameters:

Survey type:	magnetic gradiometer and gamma-ray spectrometer
Date flown:	June 20 to September 3, 2018
Survey conducted by:	Sander Geophysics Ltd., Ottawa, Ontario
Survey size:	117,772 line-kilometres
Survey area:	26,058 square kilometres
Flight-line spacing:	250 m
Control-line spacing:	2000 m
Nominal aircraft 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:	256-channel gamma-ray spectrometric

These data accompany geophysical Maps 82 950 to 82 994, which are available separately from the digital data set.