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Ontario Geological Survey 2014. Ontario airborne geophysical surveys, magnetic and electromagnetic data, grid and profile data (ASCII and Geosoft® formats) and vector data, Nestor Falls area;
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These data accompany (available separately from this publication):

Maps 82 634 to 82 642

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

Maps 82 643 to 82 644

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

Maps 82 645 to 82 646

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

Maps 82 647 to 82 648

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

Maps 82 649 to 82 650

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

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Geophysical Data Set 1076

Ontario Airborne Geophysical Surveys, Magnetic and Electromagnetic Data, Grid and Profile Data (ASCII and Geosoft® Formats) and Vector Data, Nestor Falls 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=GDS1076

This publication presents the results of an airborne geophysical survey carried out in the Nestor Falls area of northwestern Ontario. The magnetic and electromagnetic survey was flown by Geotech Ltd. for the Ontario Geological Survey.

Ontario Geological Survey, Geophysical Data Set 1076

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Geophysical Data Set (GDS) 1076 comprises the results of an airborne magnetic and electromagnetic survey, totalling 10 271 line-kilometres, flown over the Nestor Falls area of northwestern Ontario, and covers an area of approximately 1785 km².

This geophysical data set includes magnetic and electromagnetic profile data, both raw and processed in ASCII (.xyz) and Geosoft® (.gdb) file formats; 40 m x 40 m grids (in ASCII (.gxf) and Geosoft® (.grd) file formats) of the magnetic and electromagnetic data; 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; and the survey report in portable document format (.pdf).

Survey Parameters:

Survey type:	Time Domain EM and magnetometer
Survey conducted by:	Geotech Ltd, Aurora, Ontario
Date flown:	January 26 to March 1, 2014
Survey area:	1785 km ²
Survey size:	10 271 line-kilometres
Nominal flight-line spacing:	200 m
Control-line spacing:	1500 m
Aircraft mean terrain clearance:	92 m
Magnetic survey type:	cesium vapour
Magnetometer height:	59 m
Magnetic sampling interval:	10 readings per second
EM survey type:	VTEM® Plus
EM domain:	time domain
EM height:	45
VLF-EM:	none
Gamma-ray survey:	none