

THESE TERMS GOVERN YOUR USE OF THIS DOCUMENT

Your use of this electronic information product (“EIP”), and the digital data files contained on it (the “Content”), is governed by the terms set out on this page (“Terms of Use”). By opening the EIP and viewing the Content , you (the “User”) have accepted, and have agreed to be bound by, the Terms of Use.

EIP and Content: This EIP and Content is offered by the Province of Ontario’s *Ministry of Northern Development and Mines* (MNDM) as a public service, on an “as-is” basis. Recommendations and statements of opinions expressed are those of the author or authors and are not to be construed as statement of government policy. You are solely responsible for your use of the EIP and its Content. You should not rely on the Content for legal advice nor as authoritative in your particular circumstances. Users should verify the accuracy and applicability of any Content before acting on it. MNDM does not guarantee, or make any warranty express or implied, that the Content is current, accurate, complete or reliable or that the EIP is free from viruses or other harmful components. MNDM is not responsible for any damage however caused, which results, directly or indirectly, from your use of the EIP or the Content. MNDM assumes no legal liability or responsibility for the EIP or the Content whatsoever.

Links to Other Web Sites: This EIP or the Content may contain links, to Web sites that are not operated by MNDM. Linked Web sites may not be available in French. MNDM neither endorses nor assumes any responsibility for the safety, accuracy or availability of linked Web sites or the information contained on them. The linked Web sites, their operation and content are the responsibility of the person or entity for which they were created or maintained (the “Owner”). Both your use of a linked Web site, and your right to use or reproduce information or materials from a linked Web site, are subject to the terms of use governing that particular Web site. Any comments or inquiries regarding a linked Web site must be directed to its Owner.

Copyright: Canadian and international intellectual property laws protect the Content. Unless otherwise indicated, copyright is held by the Queen’s Printer for Ontario.

It is recommended that reference to the Content be made in the following form:

Ontario Geological Survey 2015. Ontario Airborne Geophysical Surveys, Magnetic and Electromagnetic Data, Grid and Profile Data (Geosoft® format) and Vector Data, Kabinakagami Lake Area; Ontario Geological Survey, Geophysical Data Set 1079b, 3 volumes.

Use and Reproduction of Content: The EIP and the Content may be used and reproduced only in accordance with applicable intellectual property laws. *Non-commercial* use of unsubstantial excerpts of the Content is permitted provided that appropriate credit is given and Crown copyright is acknowledged. Any substantial reproduction of the Content or any *commercial* use of all or part of the Content is prohibited without the prior written permission of MNDM. Substantial reproduction includes the reproduction of any illustration or figure, such as, but not limited to graphs, charts and maps. Commercial use includes commercial distribution of the Content, the reproduction of multiple copies of the Content for any purpose whether or not commercial, use of the Content in commercial publications, and the creation of value-added products using the Content.

Contact:

FOR FURTHER INFORMATION ON	PLEASE CONTACT:	BY TELEPHONE:	BY E-MAIL:
The Reproduction of the EIP or Content	MNDM Publication Services	Local: (705) 670-5691 Toll-Free: 1-888-415-9845, ext. 5691 (inside Canada, United States)	Pubsales.ndm@ontario.ca
The Purchase of MNDM Publications	MNDM Publication Sales	Local: (705) 670-5691 Toll-Free: 1-888-415-9845, ext. 5691 (inside Canada, United States)	Pubsales.ndm@ontario.ca
Crown Copyright	Queen’s Printer	Local: (416) 326-2678 Toll-Free: 1-800-668-9938 (inside Canada, United States)	Copyright@gov.on.ca

These data accompany (available separately from this publication):

Geophysical Data Set 1079a (GDS 1079a)

Ontario Airborne Geophysical Surveys, Magnetic and Electromagnetic Data, Grid and Profile Data (ASCII Format) and Vector Data, Kabinakagami Lake Area; 3 volumes.

Maps 82 738 to 82 753

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

Maps 82 754 to 82 757

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

Maps 82 758 to 82 761

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

Maps 82 762 to 82 765

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

Maps 82 766 to 82 769

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

For information on purchasing all publications, including digital data, contact:

Publication Sales

Ministry of Northern Development and Mines

933 Ramsey Lake Rd., Level A3

Sudbury, Ontario P3E 6B5

Tel: 1-888-415-9845, ext. 5691 (toll-free inside Canada and the United States)

Tel: (705) 670-5691 (local calls)

Fax: (705) 670-5770

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 1079b

Ontario Airborne Geophysical Surveys, Magnetic and Electromagnetic Data, Grid and Profile Data (Geosoft® format) and Vector Data, Kabinakagami Lake 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=GDS1079b

Ontario Geological Survey, Geophysical Data Set 1079b

© Queen's Printer for Ontario, 2015

Geophysical Data Set (GDS) 1079b contains the results of a helicopter-borne magnetic and electromagnetic survey, totalling 16 323 line-kilometres, flown in the Kabinakagami Lake area in northern Ontario. The survey covers an area approximately 1799 km² and was flown by Geotech Limited, Aurora, Ontario.

This geophysical data set includes

- airborne magnetic and electromagnetic profile data—both raw and processed—in Geosoft[®] (.gdb) file format
- 40 m × 40 m grids Geosoft[®] (.grd) file format) of the magnetic and electromagnetic profile data
- databases of picked electromagnetic anomalies in Geosoft[®] (.gdb) file format
- databases of Keating correlation coefficient anomalies in Geosoft[®] (.gdb) file format
- 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:	magnetic and electromagnetic
Survey conducted by:	Geotech Limited, Aurora, Ontario
Date flown:	July 18 to October 22, 2014
Survey area:	1799 km ²
Survey size:	16 323 line-kilometres
Nominal flight-line spacing:	200 m
Control-line spacing:	1500 m
Aircraft mean terrain clearance:	92 m
Magnetic survey type:	single sensor
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

These data accompany geophysical Maps 82 738 to 82 769 (available separately from the digital data set).