

## 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 Energy, Northern Development and Mines* (ENDM) 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. ENDM 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. ENDM is not responsible for any damage however caused, which results, directly or indirectly, from your use of the EIP or the Content. ENDM 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 ENDM. Linked Web sites may not be available in French. ENDM 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 2020. Ontario airborne geophysical surveys, magnetic gradiometer data, grid and profile data (ASCII and Geosoft® formats) and vector data, Sturgeon River area; Ontario Geological Survey, Geophysical Data Set 1088.

**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 ENDM. 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	ENDM Publication Services	Local: (705) 670-5691 Toll-Free: 1-888-415-9845, ext. 5691 (inside Canada, United States)	<a href="mailto:Pubsales.ndm@ontario.ca">Pubsales.ndm@ontario.ca</a>
The Purchase of ENDM Publications	ENDM Publication Sales	Local: (705) 670-5691 Toll-Free: 1-888-415-9845, ext. 5691 (inside Canada, United States)	<a href="mailto:Pubsales.ndm@ontario.ca">Pubsales.ndm@ontario.ca</a>
Crown Copyright	Queen’s Printer	Local: (416) 326-2678 Toll-Free: 1-800-668-9938 (inside Canada, United States)	<a href="mailto:Copyright@ontario.ca">Copyright@ontario.ca</a>

These data accompany the following publications (available separately):

Ontario Geological Survey Maps 83 014 to 83 019

*Airborne Magnetic Gradiometer Survey, Colour-Filled Contours of the Residual Magnetic Field, Sturgeon River Area, scale 1:50 000.*

Ontario Geological Survey Maps 83 020 to 83 025

*Airborne Magnetic Gradiometer Survey, Shaded Colour Image of the Second Vertical Derivative of the Residual Magnetic Field and Keating Correlation Coefficients, Sturgeon River Area, scale 1:50 000.*

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

Publication Sales

Ministry of Energy, 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 should be aware that Indigenous communities may have Aboriginal or treaty rights or other interests that overlap with areas of mineral potential and exploration.

---

Geophysical Data Set 1088

**Ontario Airborne Geophysical Surveys, Magnetic Gradiometer Data, Grid and Profile Data (ASCII and Geosoft® Formats) and Vector Data, Sturgeon River 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=GDS1088](http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=GDS1088)

Geophysical Data Set (GDS) 1088 includes the results of an airborne magnetic gradiometer survey, totalling 51 101 line-kilometres, flown over the Sturgeon River area of northeastern Ontario. The survey covers an area approximately 9 231 square kilometres, and was flown by Sander Geophysics Ltd. (Ottawa, 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 profile data and derivatives
- database of Keating correlation coefficient anomalies in ASCII (.csv) and Geosoft® (.gdb) file formats
- GeoTIFF (.tif) images of magnetic grids
- vector (.dxf) files of flight path, magnetic contours and Keating anomalies
- survey report in portable document format (.pdf)

**Survey Parameters:**

Survey type:	magnetic gradiometer
Survey conducted by:	Sander Geophysics Ltd., Ottawa, Ontario
Date flown:	November 8, 2019 to February 4, 2020
Survey area:	9 231 km <sup>2</sup>
Survey size:	51 101 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:	N/A
Gamma-ray survey:	N/A

These data accompany geophysical Maps 83 014 to 83 025, which are available separately from the digital data set.