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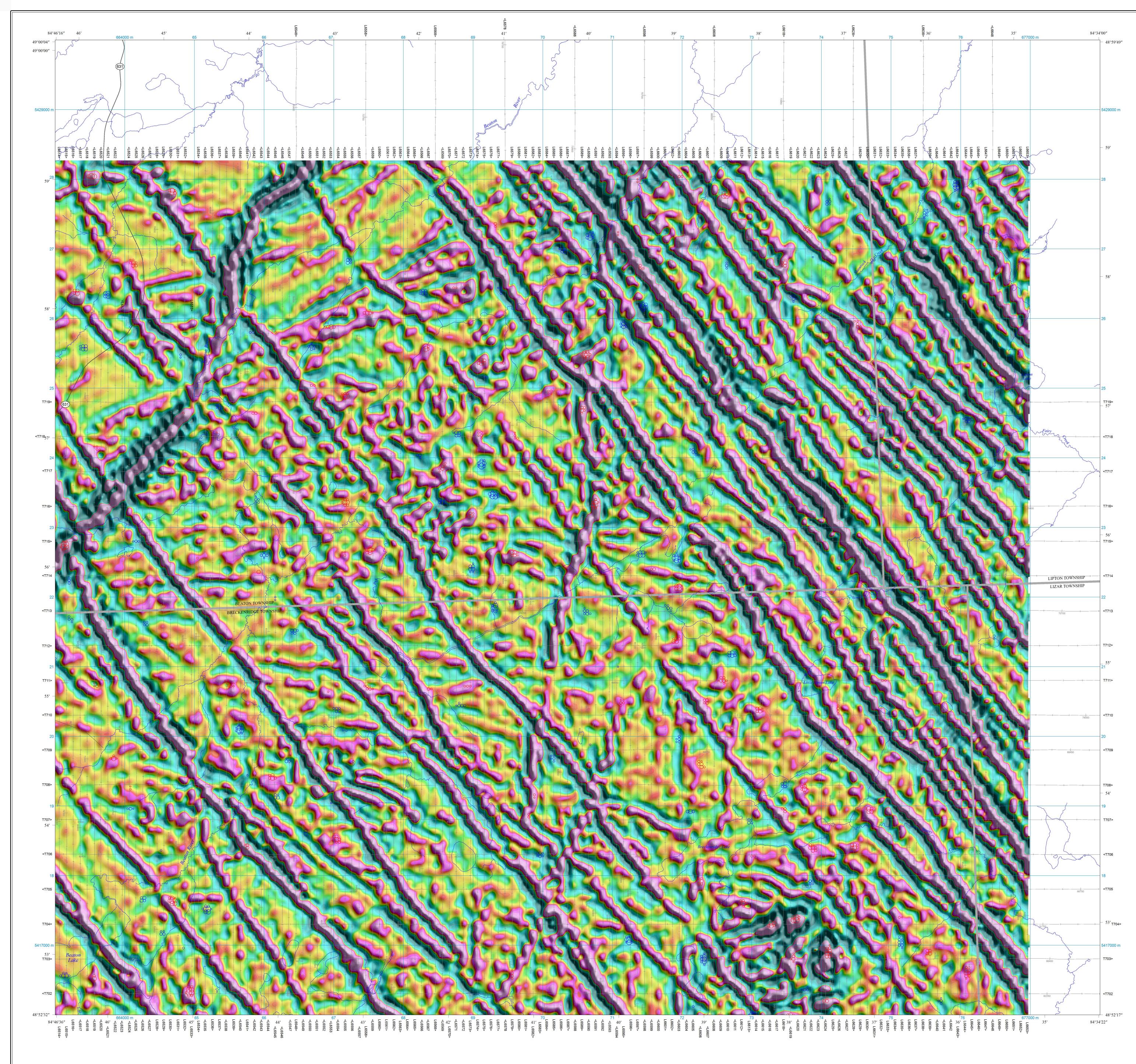
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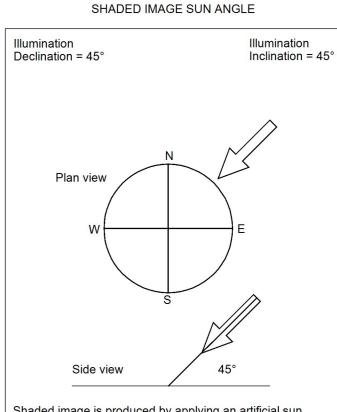
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SURVEY PARAMETERS

AIRCRAFT Type: Cessna® 208B Grand Caravan® Registration: C-GSGL
MAGNETOMETER Type: Geometrics Ltd. G-822A cesium split beam Sensitivity: 0.005 nT Noise level: 0.0005 nT Sample interval: 10 readings per second Sensor location: tail stinger Compensation: Sander Geophysics Ltd. AIRComp Data acquisition: SGDAS
AIRBORNE GRAVIMETER SYSTEM Type: Sander Geophysics Ltd. AIRGrav Initial sample interval: 128 readings per second Final sample interval: 2 readings per second Noise level: <0.2 mGal, with half sine wave resolution of 1.8 to 2 km
NAVIGATION SYSTEM GPS receiver: NovAtel® OEMV® GPS sample interval: 10 readings per second Laser altimeter: Riegl® LD90-31K-HiP Radar altimeter: Thomson-CSF ERT 530A Radar sample interval: 10 readings per second Barometric altimeter: Honeywell Sensotec digital baromet pressure sensor Barometric sample interval: 10 readings per second Video flight-path camera: Datatoys Video Systems™ E60 Navigation acquisition: SGDAS
BASE STATION Type: Geometrics Ltd. G-822A cesium split beam Magnetometer sample interval: 10 readings per second GPS sample interval: 10 readings per second
SURVEY SPECIFICATIONS Survey dates: July 31 to October 6, 2015 Nominal aircraft terrain clearance: 80 m Traverse-line spacing: 100 m Control-line spacing: 500 m Traverse-line direction: north-south Control-line direction: east-west
CO-ORDINATE SYSTEM Projection: Universal Transverse Mercator Datum: NAD83 Central meridian: 87°W (UTM zone 16N) Central scale factor: 0.9996 False easting: 500 000 m False northing: 0 m



Shaded image is produced by applying an artificial sun illumination to the second vertical derivative of the magnetic field grid.

LEGEND

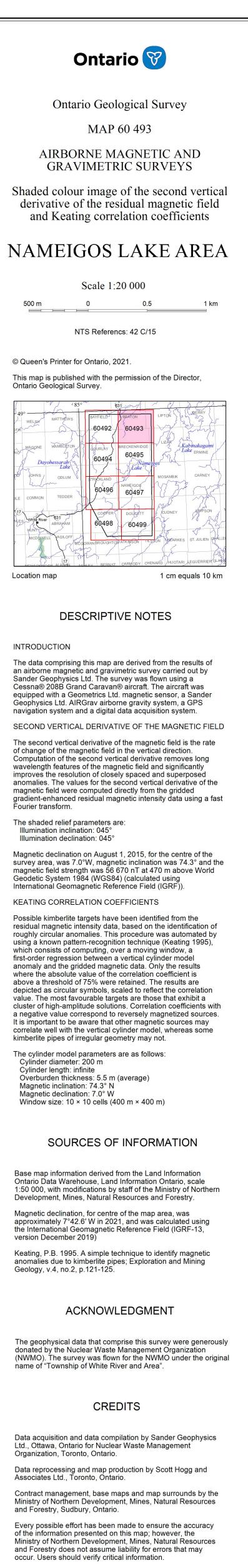
KEATING CORRELATION COEFFICIENTS

Positive correlation		Negative correlation
0	90%	0
Ο	85%	0
0	80%	0
•	75%	0

SECOND VERTICAL DERIVATIVE OF THE RESIDUAL MAGNETIC FIELD GRID nanoteslas per metre squared

noteslas per metre squ (nT/m²)				
0.012700				
0.007350				
0.004850				
0.003400				
0.002450				
0.001850				
0.001350				
0.001000				
0.000700				
0.000450				
0.000200				
0.000000				
-0.000150				
-0.000350				
-0.000500				
-0.000700				
-0.000950				
-0.001150				
-0.001400				
-0.001700				
-0.002000				
-0.002400				
-0.002800				
-0.003350				
-0.004050				
-0.005050				
-0.006600				
-0.009900				

INTRODUCTION



Geophysical Data Set 1250. Issued 2021.

exploration.

Corresponding digital data for this survey are available from the following Ontario Geological Survey publication: Ontario Geological Survey 2021. Ontario airborne geophysical surveys, magnetic and gravimetric data, grid and profile data (ASCII and Geosoft® formats) and vector data, Nameigos Lake area; Ontario Geological Survey,

Information from this publication may be quoted if credit is given. It is recommended that reference be made in the following form: Ontario Geological Survey 2021. Airborne magnetic and gravimetric surveys, shaded colour image of the second vertical derivative of the residual magnetic field and Keating correlation coefficients, Nameigos Lake area; Ontario Geological Survey, Map 60 493, scale 1:20 000.

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