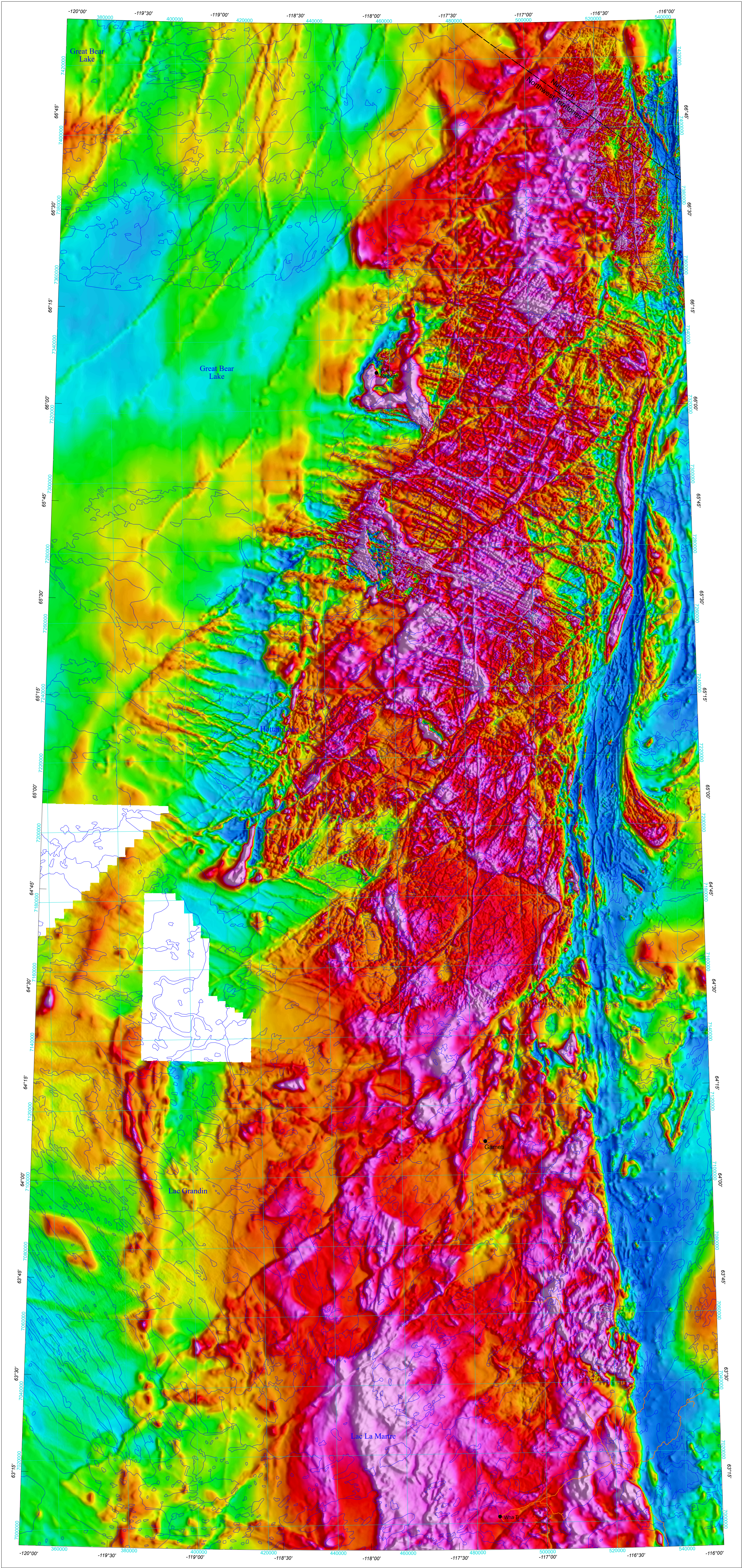


RESIDUAL TOTAL MAGNETIC FIELD



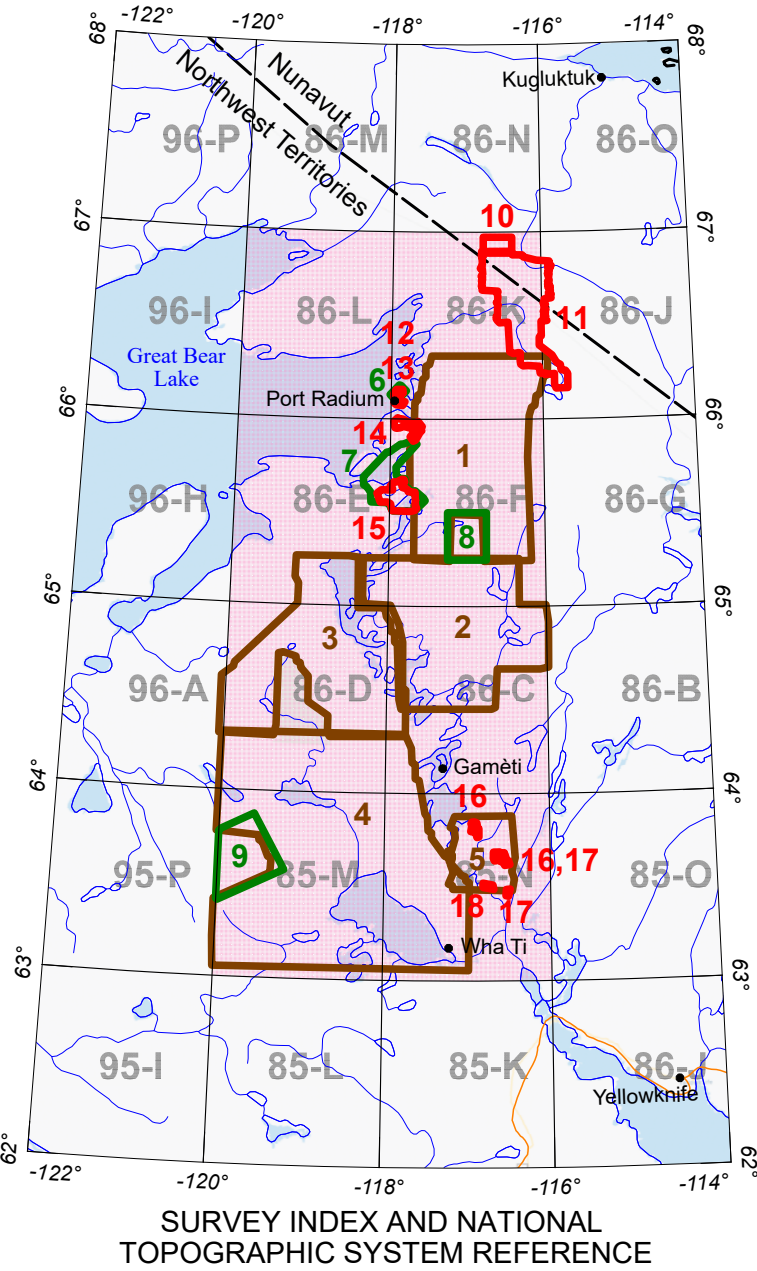
**Descriptive Notes**  
Regional aeromagnetic data used in this compilation were acquired from the Geological Survey of Canada (GSC) Geophysical Data Repository. Digital data from high-resolution surveys flown by mineral exploration companies were made available from the Northwest Territories Geological Survey (NTGS) web application, Diamonds North Resources Ltd and DEMCO Ltd. Results from all high-resolution surveys were levelled to the regional data using the Geosoft Grid Knt utility. Apparent mismatches between survey blocks are a result of differing line spacing, flight altitudes and equipment platforms.

This publication is available for free download through GEOSCAN at <https://geoscan.nrcan.gc.ca>. Corresponding digital gridded data for this open file and associated GSC surveys can be downloaded from the Geological Survey of Canada's Repository for Geophysical Data at <http://gpd.nrcan.gc.ca>. The NTGS web application <https://webapps.nwtgeoscience.ca/WebAppsProd1/SearchHome.aspx> can provide digital data and further information regarding detailed Northwest Territories surveys. Survey data sourced from Diamonds North Resources Ltd and DEMCO Ltd are not publicly available. For more information, please contact the Geophysical Data Centre, Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8. Telephone 613-966-5306, email: [info@geoscience.nrcan.gc.ca](mailto:info@geoscience.nrcan.gc.ca)

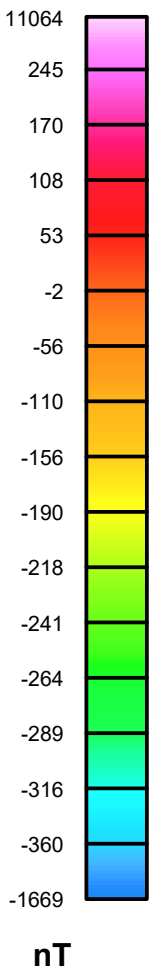
The following table and index map provide information for the surveys that were merged in this project. Individual surveys on the index map can be identified by their corresponding colour and number in the table below.

Index Number	Flown For	NTGS Assessment File No.	Survey Name	Year	Line Spacing (m)	Altitude (m)	Survey Type	Platform
1	GSC-NTGS		N. Great Bear Magmatic Zone	2009	400	125	M-R	F
2	GSC-NTGS		Southwestern Wapmap Origin	2007	400	125	M-R	F
3	GSC-NTGS		Hortah Lake	2010	400	150	M	F
4	GSC-NTGS		Lac La Motte	2009	400	150	M	F
5	GSC		Mazenod Lake	1993	500	120	M-R	F
6	DEMCO	N/A	Area 2	2007	200	100	M-R	F
7	DEMCO	N/A		2007	200	100	M-R	F
8	Hunter Exploration	084041	Lever Lake	2005	250	60	M-R	H
9	JONPOL Explorations	083455	Lac Grandin East	1995	200	70	M	F
10	Diamonds North	085513	Hepburn	2006	100	80	M-R	F
11	Diamonds North	085285	Hepburn	2007	100	25	M	H
12	DEMCO	N/A	Tut	2008	100	35	E-M	H
13	DEMCO	N/A	Glastier Lake	2008	100	35	E-M	H
14	DEMCO	N/A	Contact Lake	2008	100	35	E-M	H
15	DEMCO	N/A	Rainy Lake	2008	100	35	E-M	H
16	Avalon Ventures-Starcore Resources-Dragon Gem Noront Resources	083976	Ketchinson/Cole Lake	1996	100	30	E-M	H
17	Starcore Resources-Broadwater Development	083817	Mazenod Lake	1996	100	30	E-M-R	H
18		083970	Burke Lake/Mazenod Lake	1996	100	30	E-M-R	H

E=Electromagnetic M=Magnetic R=Radiometric F=Fixed Wing H=Helicopter



SURVEY INDEX AND NATIONAL TOPOGRAPHIC SYSTEM REFERENCE



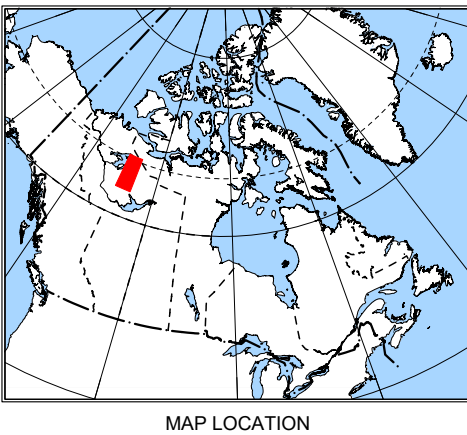
nT

**PLANIMETRIC SYMBOLS**  
Road .....  
Drainage .....

**Authors: N. Hayward and V. Tschirhart**  
Data compilation by the Geological Survey of Canada/Vancouver, British Columbia and Ottawa, Ontario  
Map production by D. Oneschuk, Geological Survey of Canada, Ottawa, Ontario  
Permanent link: <https://doi.org/10.4095/329321>

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This map was compiled under the "Metasomatic iron and alkali calcic (MIAC) systems with IOCG and affiliated primary critical metal deposits" activity as part of the sixth phase of the Targeted Geoscience Initiative Program (TGI-6) at Natural Resources Canada.



MAP LOCATION

REGIONAL GEOPHYSICAL COMPILATION PROJECT,  
GREAT BEAR MAGMATIC ZONE,  
NORTHWEST TERRITORIES AND NUNAVUT

OPEN FILE  
DOSSIER PUBLIC

6835 ver. 2

GEOLOGICAL SURVEY OF CANADA  
COMMISSION GÉOLOGIQUE DU CANADA

2022

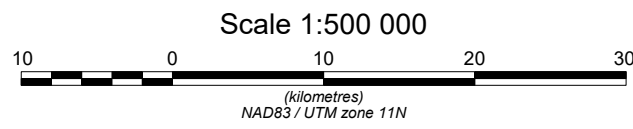
SHEET 1 OF 2  
FEUILLET 1 DE 2

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GSC OPEN FILE 6835 version 2  
REGIONAL GEOPHYSICAL COMPILATION PROJECT, GREAT BEAR MAGMATIC ZONE,  
NORTHWEST TERRITORIES AND NUNAVUT  
NTS 85 M and N, and 86 C, D, E, F, K and L

RESIDUAL TOTAL MAGNETIC FIELD



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