

NOTES

Reprocessing of the magnetic data for Yukon was performed between November 2016 and March 2017. Aeromagnetic data (available through NRCan Geoscience Data Repository for Geophysical Data) were compiled, data of different resolutions were merged, and a series of images individually levelled for each map sheet were produced. For each 1:250 000-scale map, the following magnetic derivative maps were produced:

1. Residual Total Magnetic Field;
2. Reduced-to-Pole Magnetic Field (RTP);
3. First Vertical Derivative of the Reduced-to-Pole Magnetic Field (RTP_VD); and
4. Tilt Derivative of the Reduced-to-Pole Magnetic Field (RTP_TDR).

These maps are provided both as GeoTiff and Geosoft grid files. Colour ramps/legends are provided for each map.

The Yukon Geological Survey created georeferenced *.pdf maps of the shaded relief colour contour products for each 1:250 000 map sheet.

REFERENCES

Carson J.M., Dumont R., Potvin J., Buckle J., Shives R. B. K., Harvey B. J. A. and Fischer B. 2005. Geophysical Series - NTS 105O and 105P - Sekwi Mountain, Northwest Territories; Geological Survey of Canada, Open File 5172; Northwest Territories Geoscience Office, Open File 2006-05.

Miles, W., Saltus, R., Hayward, N. and Oneschuk, D., 2015. Alaska and Yukon Magnetic Compilation, Residual total magnetic field. Geological Survey of Canada, Open File 7862.

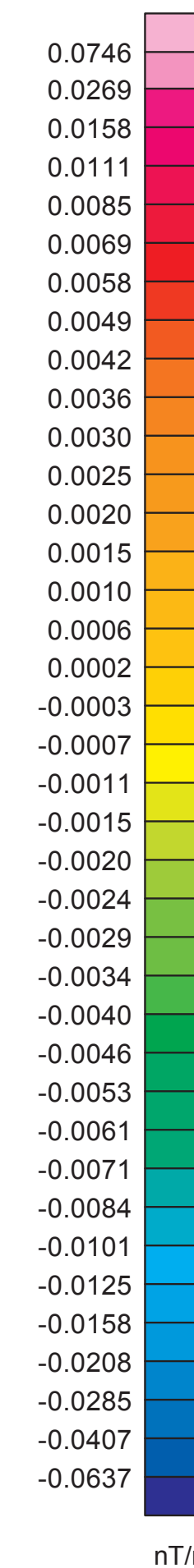
RECOMMENDED CITATION

Aurora Geosciences Ltd. and Bruce, J.O., 2017. First vertical derivative of the reduced-to-pole magnetic field, shaded colour contour map (NTS 105N). In: Reprocessing of Yukon magnetic data for NTS 105N. Yukon Geological Survey, Open File 2017-22, scale 1:250 000, sheet 3 of 4.

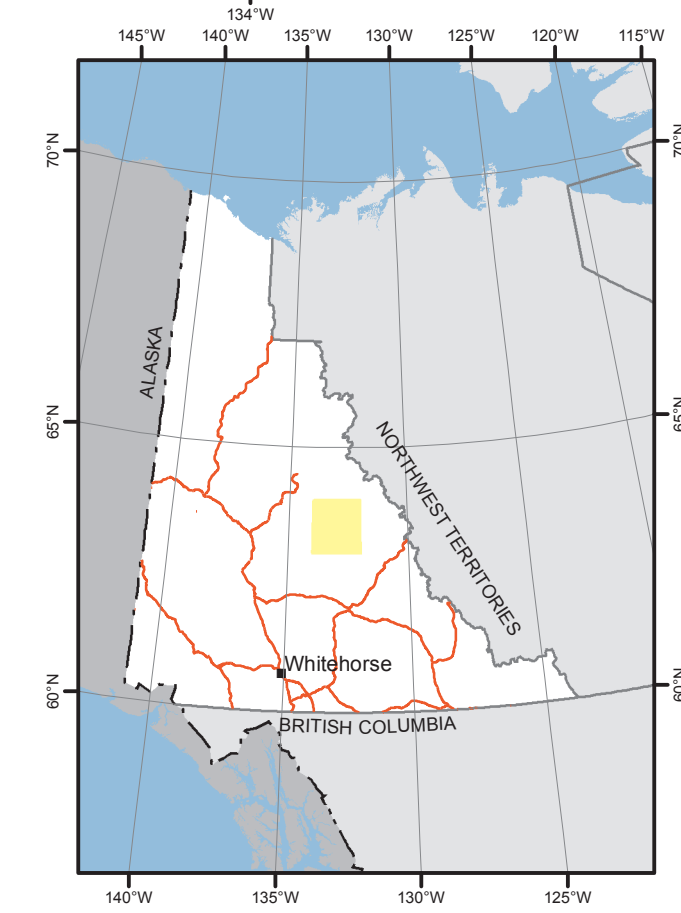
Any revisions or additional geological information known to the user would be welcomed by the Yukon Geological Survey.

Paper copies of this map and the accompanying report may be obtained from the Yukon Geological Survey, Energy, Mines and Resources, Government of Yukon, Room 102-300 Main St., Whitehorse, Yukon, Y1A 2B5. Ph. 867-667-3201, Email geology@gov.yk.ca.

A digital PDF (Portable Document File) file of this map, and available data, can be downloaded free of charge from the Yukon Geological Survey website: <http://www.geology.gov.yk.ca>.

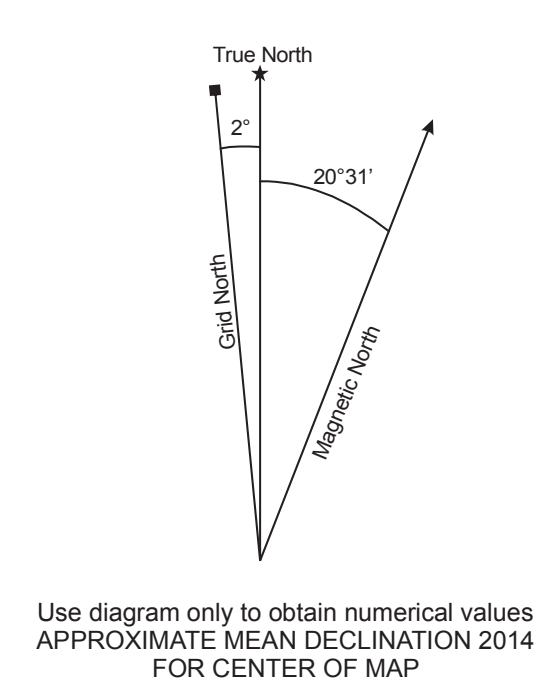
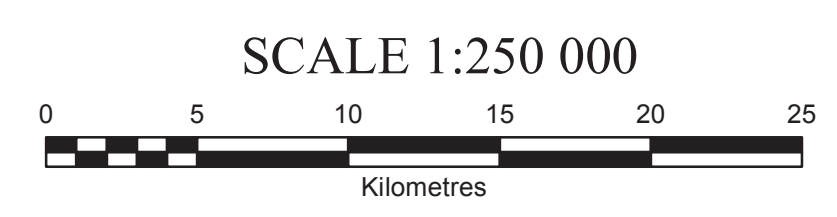


- community
- road
- ~ drainage
- watercourse
- waterbody



1:250 000-scale topographic base data produced by CENTRE FOR TOPOGRAPHIC INFORMATION, NATURAL RESOURCES CANADA
ONE THOUSAND METRE GRID Universal Transverse Mercator Projection North American Datum 1983 Zone 8

FIRST VERTICAL DERIVATIVE OF THE REDUCED-TO-POLE MAGNETIC FIELD LANSING RANGE (NTS 105N) YUKON



| | | |
|--------------------|------------------------|---------------------------|
| 106D NASH CREEK | 106C NADALEEN RIVER | 106B BONNET PLUME LAKE |
| 105M MAYO | THIS MAP | 105O NIDDERY LAKE |
| 105L GLENLYON | 105K TAY RIVER | 105J SHELDON LAKE |

Yukon Geological Survey
Energy, Mines and Resources
Government of Yukon
Open File 2017-22
Sheet 3 of 4
First Vertical Derivative of the Reduced-to-Pole Magnetic Field Shaded Colour Contour Map (NTS 105N) (1:250 000 scale)
by
Aurora Geosciences Ltd.
and
J.O. Bruce