

- LEGEND**
- QUATERNARY**
 - Q: unconsolidated alluvial, colluvial, fluvial and glacial deposits
 - MIDDLE CAMBRIAN-SILURIAN**
 - CSoc: OLD CABIN FORMATION: mafic volcanic breccia and conglomerate, interbedded with argillite, siltstone and sandstone; minor diabase intrusions.
 - ICo: LOWER TO MIDDLE CAMBRIAN
 - ICo: GULL LAKE FORMATION: white, brown and orange-weathering, olive-green argillite, siltstone and fine sandstone; maroon, black and lime-green shale; interbedded shale and quartz arenite; minor siltstone and limestone-clast conglomerate
 - ICob: GULL LAKE FORMATION, BASAL MEMBER: boulder conglomerate with archaeocyathid-bearing limestone clasts, brown-weathering, green lithic sandstone and conglomerate, quartz arenite
 - ICs: SEKWI FORMATION: thinly-bedded silt limestone
 - NEOPROTEROZOIC-CAMBRIAN HYLAND GROUP**
 - EDACARAN TO LOWER CAMBRIAN
 - PCsmq: NARCHILLA FORMATION: quartzite, quartz-pebble conglomerate
 - PCsh: NARCHILLA FORMATION: pale brown, green and maroon shale; well-cleaved, rhythmically bedded mudstone and siltstone; locally doloclastic; white-weathering sandstone
 - PCsb: NARCHILLA FORMATION, BASAL MEMBER: limestone-clast conglomerate, quartz arenite and grit; limestone; calcareous siltstone/sandstone; green, brown and maroon shale
 - EDACARAN
 - Pha: ALGAE FORMATION: dark grey, light grey and buff-colored limestone and dolomite, variably dolomitized and variably allybanded; commonly graded and cross-bedded; minor grey and/or maroon shale; limestone pebble to cobble breccia and conglomerate; equivalent to the Rocky Formation of the Windemere Supergroup
 - NEOPROTEROZOIC WINDERMERE SUPERGROUP**
 - EDACARAN
 - uFbu: BLUEFLOWER FORMATION, UPPER MEMBER: brown-weathering, shale, siltstone and sandstone; pale grey-pink sandstone and grit; calcareous shale, limestone. Equivalent to the Yosegy Formation of the Hyland Group
 - uFbm: BLUEFLOWER FORMATION, MIDDLE MEMBER: green or grey; rhythmically bedded mudstone, siltstone, and fine sandstone
 - uFbl: BLUEFLOWER FORMATION, LOWER MEMBER: buff, grey and pale yellow-weathering limestone interbedded with green-grey shale. Limestone is planar and cross-bedded
 - uFto: GAMETRAIL FORMATION: grey, yellow and orange weathering dolomite, dolomitic siltstone/sandstone and limestone, commonly planar and/or cross-laminated; calcareous shale and siltstone; maroon shale; carbonate-clast breccia and conglomerate
 - uFns: NADALEEN FORMATION, STENBRATEN MEMBER: grey to greenish-brown rhythmically bedded fine-grained sandstone, siltstone, mudstone, maroon siltstone-mudstone
 - uFn: NADALEEN FORMATION: brownish grey siltstone, mudstone, limestone; limestone conglomerate; rhythmically, thin to medium-bedded mudstone and limestone; local pink-grey quartz sandstone and quartzite; calcareous grit and sandstone

MINERAL OCCURRENCES

MINFILE #	NAME	SYMBOL	STATUS	COMMODITY	DEPOSIT TYPE
	VENUS		Drilled prospect	Au	
106B/04	BIRKELAND		Drilled prospect	Pb-Zn-Ag	Mississippi Valley Type (MVT)

NOTES

Geology by D. Moynihan, with supplementary information from Shearer (1976) and Colpron et al. (2013). Sekwi Formation in the extreme NE corner of the map area is from Blusson (1974). Field assistance was provided by Colin Padgett, Ellen Hunter-Perkins, and Chad Bustin.

REFERENCES

Blusson, S.L., 1974. Five geological maps of northern Selwyn Basin (Operations Stewart), Yukon Territory and District of Mackenzie, N.W.T. Geological Survey of Canada Open File 205, 1:250 000.

Colpron, M., Moynihan, D., Israel, S., and Abbott, G., 2013. Geological map of the Rackla belt, east-central Yukon (NTS 106C/1-4, 106D/1). Yukon Geological Survey, Open File 2013-13, 1:50 000 scale, 5 maps and legend.

Shearer, J.T., 1976. Geological and geochemical report on the Tom and Mom claims, North Stewart River area, Mayo mining division. Assessment report 090808.

RECOMMENDED CITATION

MOYNIHAN, D., 2014. Geological map of NTS 106B/04, east-central Yukon. Yukon Geological Survey Open File 2014-1, 1:50 000 scale.

Digital cartography and drafting by David Moynihan, Yukon Geological Survey.

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

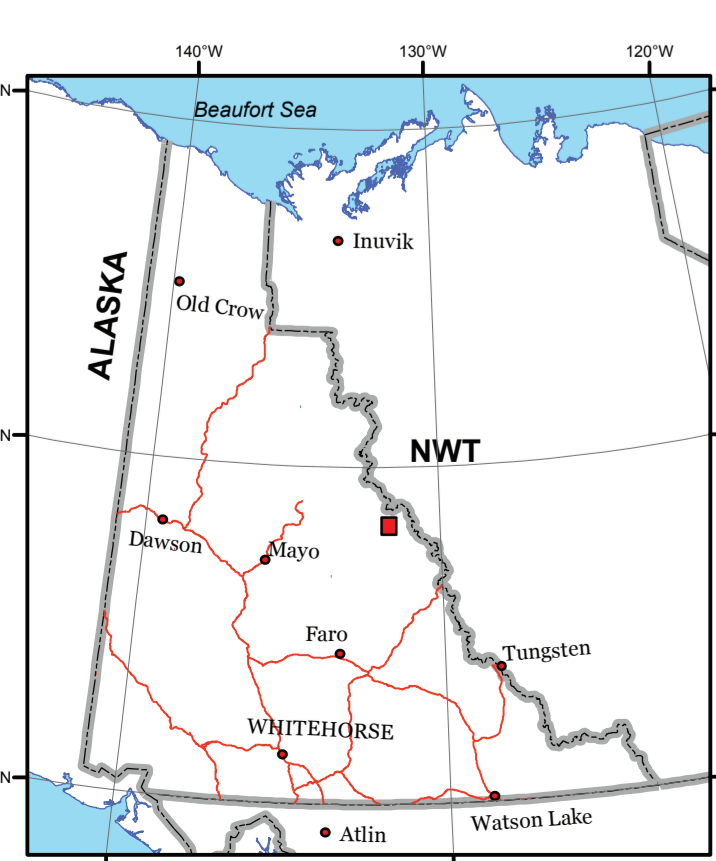
Paper copies of this map may be obtained from Yukon Geological Survey, Energy, Mines and Resources, Government of Yukon, P.O. Box 2703 (K102), Whitehorse, Yukon, Y1A 2C6. Ph. 867-667-3201, Email: geology@gov.yk.ca

A digital PDF (Portable Document Format) of this map may be downloaded free of charge from the Yukon Geological Survey website: <http://www.geology.gov.yk.ca>

Yukon Geological Survey
Energy, Mines and Resources
Government of Yukon

Open File 2014-1
Geological map of NTS 106B/04, east-central Yukon
(1:50 000 scale)

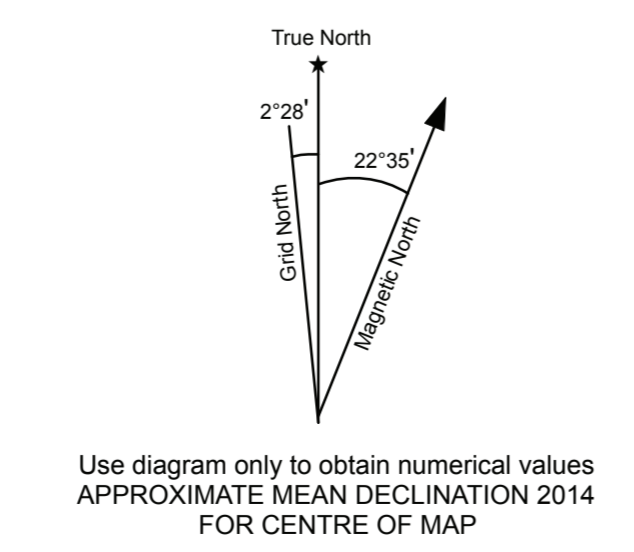
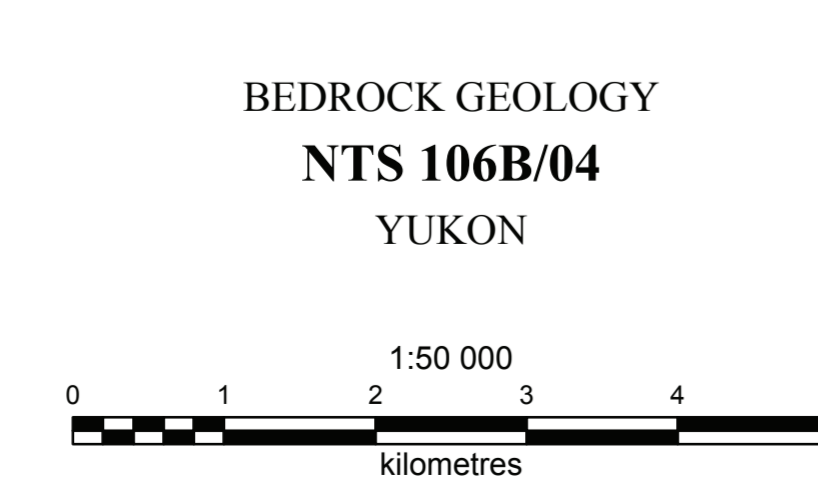
by
David Moynihan



1:50 000-scale topographic base data provided by CENTRE FOR TOPOGRAPHIC INFORMATION, NATURAL RESOURCES CANADA

ONE THOUSAND METRE GRID
Universal Transverse Mercator Projection
North American Datum 1983
Zone 9

CONTOUR INTERVAL 20 METRES
Elevations in metres above Mean Sea Level



106C/06 DUO CREEK	106B/05	106B/06
106C/01 ANDRIT STENBRATEN	106B/04 THIS MAP	106B/03 METEY CREEK
105N/16	105O/13 EMARSON CREEK	105O/14 MARMOT CREEK