

MAP #	GSC CURATION #	AGE	MAP UNIT	AUTHOR	DATE	STATION	REPORT #	NTS SOK	FOSSIL TYPE	FOSSIL CATEGORY
1		Silurian-Devonian, probably Middle	DME	R. Blodgett	2011	Manson Cr. Resources		106C/3	dendroid tabulate coral	macrofossil
2		Devonian probably Mississippian	DME	R. Blodgett	2012	12-TDA-138-1		106C/3	crinoids, undetermined solitary rugose coral	macrofossil
3		Paleozoic (Ordovician-Permian)	DMEc	R. Blodgett	2011	11M029-1		106C/3	crinoid ossicles, indeterminate brachiopods	macrofossil
4		probably Mississippian	DMEc	R. Blodgett	2011	11M0206-1		106C/3	only crinoids	macrofossil
5		Silurian-Devonian	DME	R. Blodgett	2012	12-S-175		106C/3	crinoid ossicles, dendroid tabulate corals	macrofossil
6		Pragian-Emsian	mDc	R. Blodgett	2011	11M012-1		106C/3	colonial rugose coral (Xystrophylum sp.)	macrofossil
7		Devonian	mDc	R. Blodgett	2011	11M011-1		106C/3	rugose corals (solitary and colonial forms), fenestroid tabulate coral, crinoid ossicles	macrofossil
8		Emsian-Eifelian	mDc	R. Blodgett	2011	11M013-3		106C/3	two hole crinoid	macrofossil
9		Lower Ordovician	ODb	R. Blodgett	2012	12-JQ-923-1		106C/3	gastropod	macrofossil

MINERAL OCCURRENCES

MINIFILE #	NAME	SYMBOL	STATUS	COMMODITY	DEPOSIT TYPE
106C 0018	WHITE BRIDGE	▲	Drilled prospect	Pb-Zn	Mississippi Valley-Type Pb-Zn (MVT)
106C 073A	CRAIG	▲	Deposit	Pb-Ag-Zn	Mississippi Valley-Type Pb-Zn (MVT)
106C 073B	AZURE	▲	Deposit	Pb-Ag-Zn	Mississippi Valley-Type Pb-Zn (MVT)
106C 073C	DISCOVERY	▲	Deposit	Pb-Ag-Zn	Mississippi Valley-Type Pb-Zn (MVT)
106C 073D	NADALEEN	▲	Deposit	Pb-Ag-Zn	Mississippi Valley-Type Pb-Zn (MVT)
106C 073E	TRENT	▲	Deposit	Pb-Ag-Zn	Mississippi Valley-Type Pb-Zn (MVT)
106C 073F	CRAIG	▲	Anomaly	As	
106C 091	TELL	▲	Anomaly	As	Sedimentary Exhalative Zn-Pb-Ag (Sedex)
106C 098	TANNER	▲	Drilled prospect	As	Sedimentary Exhalative Zn-Pb-Ag (Sedex)



Upright folds in strata of the Hyland Group, hanging wall of the Dawson thrust.



Tight overturned folds (to NE) in carbonate beds of the Earn Group, footwall of the Dawson thrust.

NOTES

Geology by M. Colpron and G. Abbott (2011-2012); D. Moynihan and S. Israel (2012). Thanks to Strategic Metals Ltd. for contributing geological information and discussions. Rackla Metals Inc. provided the geological map of the Nadaleen Mountain area by G. Abbott (2011). Manson Creek Resources Ltd. provided geophysics for the Tanner and Craig properties, and a fossil collection from the Tell property. Luke Bickerton, Nikolett Kovacs, Julia Quigley, Catriona Spencer, and Chelsea Raley provided assistance in the field.

RECOMMENDED CITATION

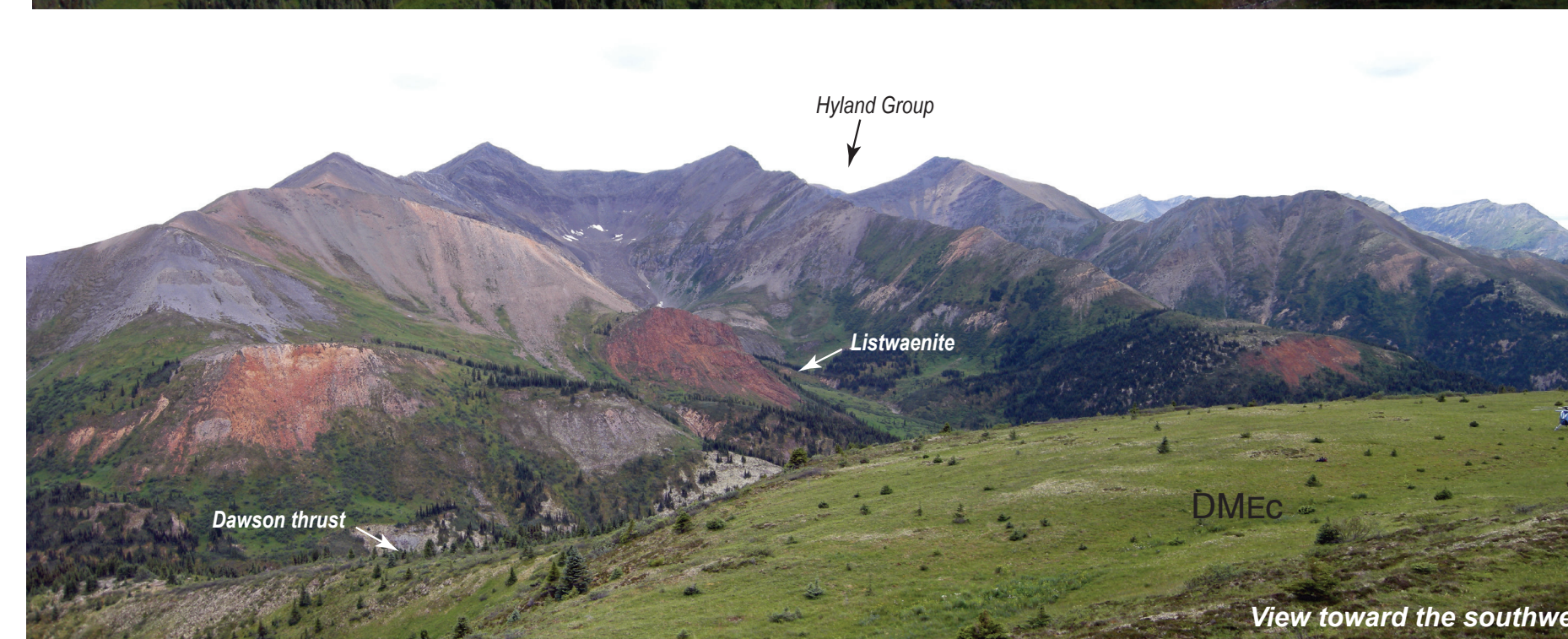
COLPRON, M., MOYNIHAN, D., ISRAEL, S., and ABBOTT, G. 2013. Geological map of the Rackla belt, east-central Yukon (NTS 106C/1-4, 106D/1). Yukon Geological Survey, Open File 2013-13, 1:50 000 scale, 5 maps and legend.

Digital cartography and drafting by Maurice Colpron, Samantha Darling, and Olwyn Bruce, 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 Geoscience Information and Sales, Yukon Geological Survey, Energy, Mines and Resources, Yukon Government, P.O. Box 2703 (K-102), Whitehorse, Yukon, Y1A 2C6. Ph. 867-667-3201, Fax. 867-667-3196, Email: geosales@gov.yk.ca.

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



Dawson thrust - Top: View to the east at the Dawson thrust from western limit of map area. Black shale and carbonate debris flows of the Paleozoic slope occur in the footwall of the fault, whereas maroon and brown shale of the Hyland Group occupy its hanging wall. A silver of Cambrian basalt occurs in the immediate hanging wall of the Dawson thrust.

Bottom: Looking southwest at orange-weathering listwaente within the Dawson thrust zone, southeast of the Nadaleen River. The foreground vegetated slope is underlain by Paleozoic carbonate debris flow deposits (unit DMEc). Background peaks are underlain by carbonate, shale, and sandstone of the Neoproterozoic to Lower Cambrian Hyland Group. The trace of the Dawson thrust is located in the notch in front of the listwaente body.

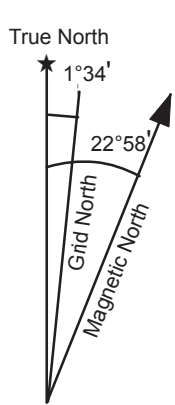


1:50 000-scale topographic base data provided by CENTRE FOR TOPOGRAPHIC INFORMATION, NATURAL RESOURCES CANADA

ONE THOUSAND METRE GRID Universal Transverse Mercator Projection North American Datum 1983 Zone 5

CONTOUR INTERVAL 100 FEET Elevations in feet above Mean Sea Level

BEDROCK GEOLOGY "MOUNT FERRELL" YUKON



Use diagram only to obtain numerical values APPROXIMATE MEAN DECLINATION 2013 FOR CENTRE OF MAP

106C/5 RUSTY MOUNTAIN	106C/6 BONNET PLUME PASS	106C/7 GOZ CREEK
106C/4 MOUNT MERYNN	THIS MAP	106C/2 ORTELL LAKE
105N/13 PENAPE LAKE	105N/14 SEVEN MILE CANYON	105N/15 MOUNT ORTELL

Yukon Geological Survey
Energy, Mines and Resources
Government of Yukon

Open File 2013-13
Geological map of the Rackla belt, east-central Yukon (NTS 106C/1-4, 106D/1) (1:50 000 scale)
Sheet 3 - "Mount Ferrell" (106C/3)

by
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