

NOTE: Line of section for D-D' is located on Sheet 3, 'Mount Ferrell'.

FOSSIL COLLECTIONS									
MAP#	GSC CURATION#	AGE	MAP UNIT	AUTHOR	DATE STATION	REPORT #	NTS SOK	FOSSIL TYPE	FOSSIL CATEGORY
1		Ediacaran-Cambrian?	Pha		2012 12-GMO-021	106C/2	106C/2	<i>Ovatostocum</i> sp?	macrofossil
2		Ediacaran-Cambrian?	PChn		2012 12-GMO-014	106C/2	106C/2	<i>Planolites</i> sp?	trace fossil
3		probably Middle Devonian	mDc	R. Blodgett	2012 12-MC-011-1	106C/2	106C/2	crinoid ossicles, solitary rugose corals, tabulate corals, stromatopores?, and possible stringophalkid brachiopod	macrofossil
4		Mississippian	Mc	R. Blodgett	2012 12-MC-157	106C/2	106C/2	crinoids	macrofossil
5		probably Mississippian	Mc	R. Blodgett	2012 12-SI-015-1	106C/2	106C/2	solitary rugose coral, crinoids	macrofossil
6		Mississippian	Mc	R. Blodgett	2012 12-SI-018	106C/2	106C/2	crinoids, spiriferoid brachiopod, bryozoans	macrofossil
7		Emsian-Eifelian	mDc	R. Blodgett	2012 12-TOA-029	106C/2	106C/2	two hole crinoid	macrofossil
8		Emsian-Eifelian	mDc	R. Blodgett	2012 12-MC-053	106C/2	106C/2	two hole crinoid	macrofossil
9		Early Ordovician	ODRr		2012 12-TOA-014	106C/2	106C/2	graptolite, <i>Tetraparvus</i>	macrofossil
10		Ashgill (latest Ordovician)	OSc	R. Blodgett	2012 12-TOA-026-1	106C/2	106C/2	pentameroid brachiopod <i>Zheraskidium</i> , fossiliferous <i>Sagittophyllum</i> , helictoid tabulate coral <i>Stelliporella</i>	macrofossil
11		Middle to Late Ordovician	OSc	R. Blodgett	2012 12-RQ-003-1	106C/2	106C/2	gastropod	macrofossil
12		Carboniferous-Permian (Triassic)	Mc	R. Blodgett	2012 12-TOA-010-1	106C/2	106C/2	brachiopods, bryozoans	macrofossil
13		Paleozoic	OSc	R. Blodgett	2012 12-TOA-006-1	106C/2	106C/2	only crinoids	macrofossil
14		Middle to Late Ordovician?	OSc	R. Blodgett	2012 12-TOA-014-1	106C/2	106C/2	solitary rugose coral (<i>Alphaceras?</i>)	macrofossil
15		Mississippian	DME	R. Blodgett	2012 12-TOA-012-1	106C/2	106C/2	solitary rugose coral, bryozoans, brachiopods and crinoid ossicles	macrofossil
16		Paleozoic	OSc	R. Blodgett	2012 12-TOA-005-1	106C/2	106C/2	only crinoids	macrofossil
17		Ordovician	ODRr	R. Blodgett	2012 12-SI-036	106C/2	106C/2	graptolite	macrofossil
18		Late Ordovician-Middle Devonian	ODRr	R. Blodgett	2012 12-SI-037-1	106C/2	106C/2	fossiliferous coral	macrofossil
19		Ediacaran?	Pnc		2012 12-TOA-119	106C/2	106C/2	discs, fronds, <i>Ovatostocum</i> sp?, <i>Beltanelliformis?</i>	macrofossil
20		Ediacaran?	Pnc		2012 12-TOA-118	106C/2	106C/2	discs, fronds, <i>Ovatostocum</i> sp?, <i>Beltanelliformis?</i>	macrofossil
21		Ediacaran?	Pnc		2012 12-TOA-120	106C/2	106C/2	discs, fronds, <i>Ovatostocum</i> sp?, <i>Beltanelliformis?</i>	macrofossil

MINERAL OCCURRENCES				
MINIFILE #	NAME	SYMBOL	STATUS	COMMODITY DEPOSIT TYPE
106C 065A	NICKELVE	▲	Drilled prospect	Pb-Zn Mississippi Valley Type Pb-Zn (MVT)
106C 065C	CHOPPER PAD	▲	Drilled prospect	Pb-Zn Mississippi Valley Type Pb-Zn (MVT)
106C 065D	DISCOVERY	▲	Drilled prospect	Pb-Zn Mississippi Valley Type Pb-Zn (MVT)
106C 074	SAN	▲	Drilled prospect	Pb-Zn Mississippi Valley Type Pb-Zn (MVT)
106C 077	JAM	▲	Showing	Pb-Ag-Zn Mississippi Valley Type Pb-Zn (MVT)
106C 079	HIGHHAWK	▲	Showing	Hg Mississippi Valley Type Pb-Zn (MVT)
106C 080	LEAH	▲	Showing	Pb-Ag-Zn Mississippi Valley Type Pb-Zn (MVT)
106C 081	EIRA	▲	Anomaly	As Mississippi Valley Type Pb-Zn (MVT)
	CRAG EAST	▲	Anomaly	As
	ANIBES	▲	Drilled prospect	As Carlin-type Au
	PYRAMID	▲	Anomaly	As



Characteristic orange weathering of the upper Nadaleen unit in the north central part of the map area. In this region, the upper Nadaleen unit is approximately 1 km thick.

NOTES
Geology by M. Colpron, D. Moynihan, S. Israel (2012), and G. Abbott (2011-2012). Thanks to Rackla Metals Inc. for providing the geological map of the Nadaleen Mountain area by G. Abbott (2011).
Derek Thorleison helped with mapping south of Ortell Lake. Nikolett Kovacs, Julia Quigley, Catrina Spencer, Chelsea Raley, Rachel Kim, and Jaap Verbaas provided assistance in the field.

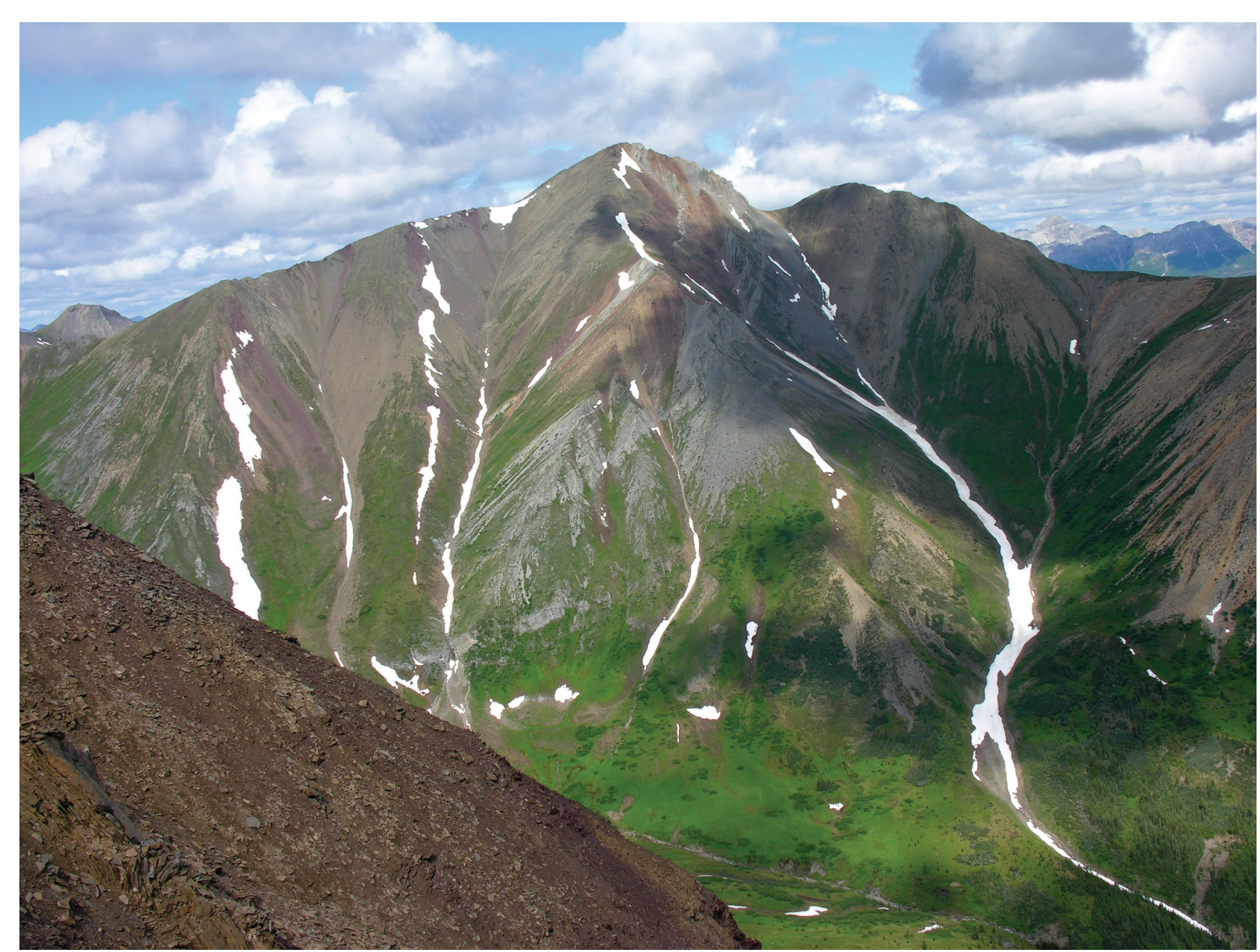
RECOMMENDED CITATION
COLPRON, M., MOYNIHAN, D., ISRAEL, S., and ABBOTT, G., 2013. Geological map of the Rackla belt, east-central Yukon (NTS 106C/1-4, 106D/1). Yukon Geological Survey, Open File 2013-13, 1:50 000 scale, 5 maps and legend.

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, Fx. 867-667-3198, Email: geosales@gov.yk.ca

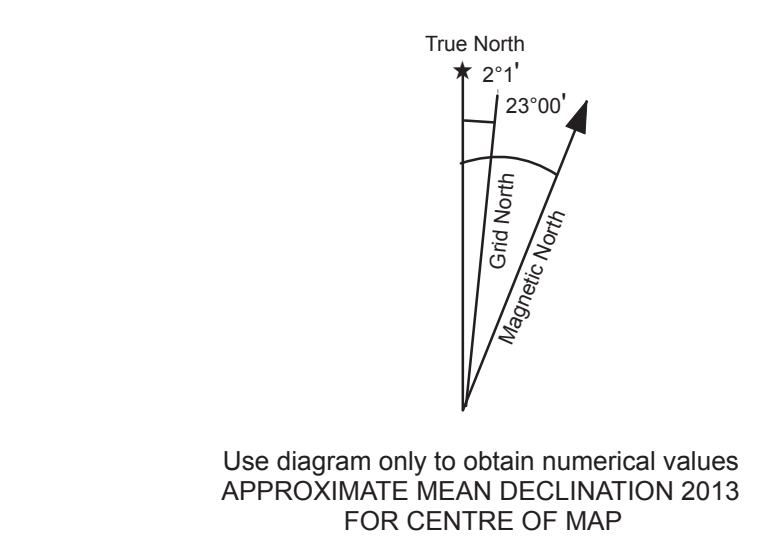
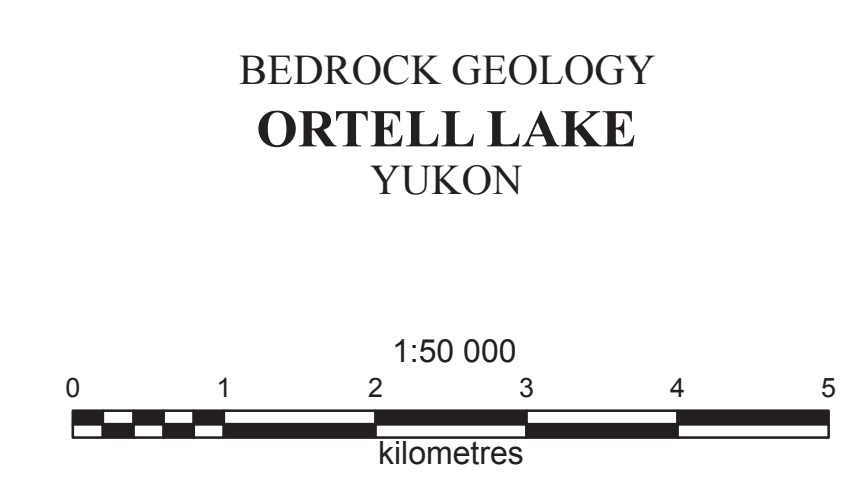
A digital PDF (Portable Document File) file of this map may be downloaded free of charge from the Yukon Geological Survey website: <http://www.geology.gov.yk.ca>



Strata of the Hyland Group in the southern part of the map area. Grey and yellow weathering rocks are carbonates of the Algae Formation. Purple rocks are shale of the Narchilla Formation.



1:50 000-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
CONTOUR INTERVAL 100 FEET Elevations in metres above Mean Sea Level



106C/6 BONNET PLUME PASS	106C/7 GOZ CREEK	106C/8 DUO CREEK
106C/3 "MOUNT FERRELL"	THIS MAP	106C/1 MOUNT STENBRATEN
105N/14 SEVEN MILE CANYON	105N/15 MOUNT ORTELL	105N/16

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 2 - Ortell Lake (106C/2)
by
Maurice Colpron, David Moynihan, Steve Israel, and Grant Abbott