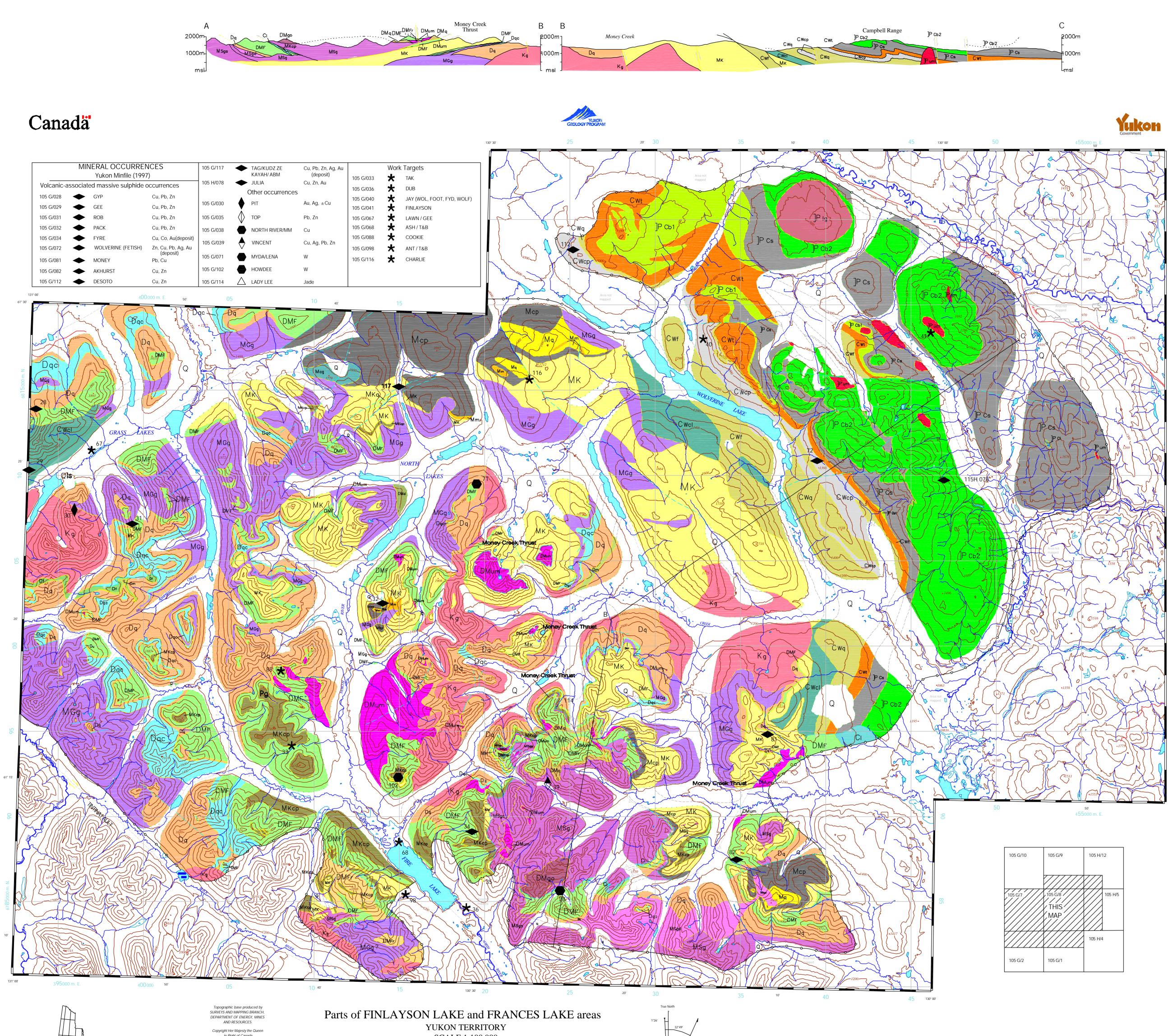


MINERAL OCCURRENCES Yukon Minfile (1997)			105 G/117 🔶	TAG/KUDZ ZE	Cu, Pb, Zn, Ag, Au (deposit)	Work Targets		
				KAYAH/ ABM		105 G/033	*	TAK
Volcanic-associated massive sulphide occurrences			105 H/078	JULIA	Cu, Zn, Au	105 G/036	4	DUB
105 G/028	GYP .	Cu, Pb, Zn		Other occurrences	S			
			105 G/030	A PIT	Au, Ag, ±Cu	105 G/040	*	JAY (WOL, FOOT, FYD, V
105 G/029	GEE GEE	Cu, Pb, Zn				105 G/041	*	FINLAYSON
105 G/031	ROB	Cu, Pb, Zn	105 G/035	🚺 ТОР	Pb, Zn	105 G/067	*	LAWN / GEE
105 G/032	PACK	Cu, Pb, Zn	105 G/038	NORTH RIVER/MM	Cu	105 G/068	*	ASH / T&B
105 G/034 🔍	FYRE	Cu, Co, Au(deposit)	105 0 1000			105 G/088	*	COOKIE
105 G/072	WOLVERINE (FETISH)	Zn, Cu, Pb, Ag, Au	105 G/039		Cu, Ag, Pb, Zn	105 G/098	*	ANT / T&B
105 G/081	MONEY	(deposit) Pb, Cu	105 G/071	MYDA/LENA	W	105 G/116	*	CHARLIE
105 G/082	AKHURST	Cu, Zn	105 G/102	HOWDEE	W			
105 G/112 🔍	DESOTO	Cu, Zn	105 G/114	▲ LADY LEE	Jade			



in Right of Canada FIVE THOUSAND METRE Universal Transverse Mercator Grid ZONE 9

Metres 2000

0

SCALE 1:100 000 6 Milles

6000 8000 Metres

2000 4000

Use diagram only to obtain numerical values APPROXIMATE MEAN DECLINATION 1961 FOR CENTRE OF MAP 10568 Annual change decreasing 2.9'

CONTOUR INTERVAL 100m Ezcept in 105 G/9 where 500 feet North American Datum 1983 Transverse Mercator Projection

OLIATERNARY

QUA	TERNARY	
Q	Unconsolidated alluvium, colluvium, lacustrine and glacial deposits	
QIS	Landslide	
Kg	TACEOUS ' Weakly foliated, medium- to coarse-grained biotite-muscovite granite, generally equigranular	
PERI	MIAN	
Pg	Rare, tan to white foliated granitic dykes	
	Whitish-green leucogabbro	Geological contact (defined, approximate)
	Brown-weathering, dark green to black, variably serpentinized ultramafic rock.	Fault, displacement ur (defined, approximate
Pum	Intrusive contacts are locally preserved.	Fault, reverse (teeth or (defined, approximate)
	SISSIPPIAN ^{2,3} MPSON RANGE PLUTONIC SUITE	Fault, normal (ball on o (defined, approximate)
MSg	Generally unfoliated biotite-hornblende granite and quartz monzonite, locally faulted, chloritized and hematized	Limit of Mapping
MSgs	Strongly foliated and lineated mylonitic MSg.	Limit of Outcrop
MSgd	Hornblende granodiorite, locally faulted, chloritized and hematized. Intruded by $M\text{Sg}.$	Line of cross-section
G	RASS LAKES PLUTONIC SUITE	¹ ca. 112 Ma U-Pb age the Pelly Mountains (N
MGg	Strongly foliated and lineated medium- to coarse-grained granitic to monzonitic metaplutonic rock. Generally equigranular although augen texture locally present. Locally discordant with earliest foliation.	² Mortensen, 1992 and ³ Grant, Creaser and Er
DEV	ONIAN to MISSISSIPPIAN ⁴	⁴ Mortensen (1991) ⁵ Concordant 365 Ma L ⁶ Mid-Pennsylvanian to
DMq	Mafic-poor quartz porphyritic granite. Cross-cutting relationships between granite and subvolcanic feeder dykes to DM F basalt flows suggests that granite and basalt are coeval and that granite is likely coeval with unit DM Fr. Intruded by	Harms as reported in ⁷ Tempelman-Kluit (197 ⁸ Mineral modifiers are ⁹ Based on conodonts
	Msg. Brown-weathering, dark green to black, variably serpentinized ultramafic rock.	by Mike Orchard, GSC Hunt and Roddick (19
DMum	Gabbro (DM go) and/or pyroxenite locally present. In both hangingwall and footwall of the Money Creek Thrust, the unit is generally spatially associated, and inferred to be in intrusive contact, with DM F. In the footwall, the unit is also	
DMgo	locally surrounded by unit D $_{\rm q}$ also presumably with intrusive contacts. The unit locally occurs as isolated klippe of the Money Creek Thrust sheet and along the	AC The authors would like
	Money Creek Thrust itself as light-coloured fish-scale talc-serpentine schist.	his camp hospitality a contract helicopter du
DMd	Foliated coarse-grained hornblende-biotite meta-diorite . ⁵	insights into the regior Bill Wengzynowski of I Expatriate, for camp h
PEN	NSYLVANIAN to PERMIAN (and possibly younger) ⁶	detailed knowledge of Resources for giving t
	AMPBELL RANGE SUCCESSION	of Westmin, for pointir basalt could be best e the vagaries of Yukon
]Р сь2	Coarse basaltic breccia, pillowed and massive basaltic lavas, gabbro, diabase, maroon and green chert. Foliated and tightly folded at eastern edge of Campbell Range Belt.	under Murphy's Law; a the geology around th
]P Cs	Carbonaceous argillite, sandstone and grey quartz grit; diamictite; top is marked by several metres of green, possibly tuffaceous chert and cherty argillite. These strata pass to the northeast into varicoloured chert and argillite, chert-pebble	of map compiled from assistance and CAD v Trans North Air, notab Dave Reid, Stephen S
	conglomerate and Pennsylvanian límestone (]P Cipossibly as olistoliths in conglomerate. Coarse basaltic breccia, pillowed and massive basaltic lavas, gabbro, diabase,	Digital Cartography by
	maroon and green chert. Foliated and tightly folded at eastern edge of Campbell Range Belt.	GRANT, S., 1997. Geo
	BONIFEROUS OLVERINE LAKE SUCCESSION	geochronological stuc southeastern Yukon. L GRANT, S., CREASER
Cwt	Thinly interbedded (cm-scale), massive to granular siliceous rock and light-coloured phyllite (metatuff and exhalite). Siliceous rock is pale-coloured,	kinematic studies of th In Cook, F. and Erdme
CWI	locally massive and bedded on metre-scale at base where associated with baritic iron formation. Darker near top where intercalated phyllite is dark grey.	Lithospheric Evolution MORTENSEN, J.K., 19 southeastern Yukon Te
С Wcp	One band of platy brown limestone (C WI) was found in upper part of unit. Carbonaceous phyllite and quartz sandstone with black glassy quartz grains. Includes some siliceous phyllite and quartz-feldspar augen phyllite of	Geological Survey of C MORTENSEN, J.K., 19
	volcanic or subvolcanic intrusive protolith.	Yukon-Tanana Terrane PLINT, H.E. and GORI structural evolution of
CWf	Tan to grey muscovite-quartz phyllite (C Wf) and quartz-feldspar augen phyllite (CWq) of felsic volcanic and subvolcanic intrusive protolith.	Canadian Journal of E TEMPELMAN-KLUIT,
C Wel	Salt and pepper grey to dark grey coarse feldspathic meta-sandstone and grit. Shale chips are common locally.	granodiorite in Yukon Survey of Canada, Paj Yukon Minfile. Explora
		Northern Affairs Canad Whitehorse, Yukon.
	SISSIPPIAN [®] RASS LAKES SUCCESSION	REC
Мср	Carbonaceous phyllite and quartzite, minor quartzofeldspathic psammite.	Murphy, D.C. and Pier (105G/7, 8 and parts of
Mm	Biotite-chlorite schist.	map areas, southeast Services Division, Yuk
Mq	Tan, white, mottled quartzite.	Any revisions or additi welcomed by the Yuko
Mcg	Feldspar-blue quartz pebble conglomerate.	Copies of this map an Information and Sales Affairs Canada, Room
Мк	Kudz Ze Kayah felsic metavolcanic unit: undifferentiated feldspar-muscovite- quartz ⁸ schist, feldspar and less commonly quartz augen schist (MKq). Carbonaceous phyllite (MKcp) locally important. Magnetite iron formation	867-667-3266, FAX: 8
	locally occurs near top of unit in carbonaceous phyllite and thin felsic schist.	Keep this map in a da
МКср		
CI	ONIAN to EARLY MISSISSIPPIAN In Money Creek Thrust sheet, medium grey to white, massive to foliated limestone, locally with crinoid and other fossil fragments.	
DMF	Fire Lake mafic metavolcanic unit: In the footwall of the Money Creek Thrust, the unit comprises massive to subtly layered biotite-plagioclase-actinolite-chlorite	
DMFr	schist, and lesser carbonaceous phyllite and quartzite and grey marble. Southwest of Fire Lake and in core at the Fyre Lake deposit, the unit contains	_
	quartz-rich schist of probably volcanic or volcaniclastic protolith (DM Fr). In the Money Creek Thrust sheet, in a large roof pendant of M Sg, unit is tilted but essentially undeformed. In this setting, it comprises massive to pillowed basalt,	Exp

dykes of DM q feeding unit DM Fr indicate that they are coeval. Outside of the

Biotite-muscovite-feldspar-quartz schist, micaceous quartzite and psammite, quartz-biotite-muscovite metapelitic schist, and marble. Marble is locally thick

volcanic protolith (D f) occur locally.

and continuous enough to map as a separate member (D qc). Biotite-plagioclase-

actinolite-chlorite schist (D m) and feldspar-muscovite-quartz schist of probable

pendant, the unit is foliated and lineated, and contains mappable bands of

greywacke and a middle member of pink to brown locally quartz-porphyrtic

maroon and green fragmental basalt, pink and green shale and cherty shale, tan rhyolite (DM Fr). Cross-cutting relationships between dykes feeding basalt and carbonaceous phyllite and quartzite, pale green chert and grey marble (DM Fcp).

SYMBOLS

e, assumed under cover)	
nknown e, assumed under cover)	
on hanging wall) e, assumed under cover)	
downthrown hanging wall) e, assumed under cover)	×/
	poo
	A B

ge determinations reported from similar bodies elsewhere in (Mortensen, 1992 and personal communication, 1996) nd personal communications, 1996-1999;) Erdmer (1996); Grant (1997)

la U-Pb age (J. Mortensen, personal communication, 1996) n to Early Permian, based on radiolarians identified by Tekla in Plint and Gordon (1997)

re listed in order of <u>increasing</u> abundance. ts collected by Derek Rhodes, Cominco Ltd. and identified GSC (Report No. MJO-1997-14) 1992)

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/ by Jason Adams and Kaori Torigai REFERENCES

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Piercey, S.J., 1999. Geological map of parts of Finlayson Lake ts of 1, 2, and 9) and Frances Lake (parts of 105H/5 and 12) astern Yukon (1:100 000-scale). Exploration and Geological /ukon, Indian and Northern Affairs Canada, Open File 1999-4.

ditional geological information known to the user would be ukon Geology Program.

and Yukon Minfile may be purchased from Geoscience ales, c/o Whitehorse Mining Recorder, Indian and Northern bom 102-300 Main St. Whitehorse Yukon, Y1A 2B6. Phone: : 867-667-3267.

dark area to keep colours from fading.

Indian and Northern Affairs Canada xploration and Geological Services Division Yukon Region

Open File 1999-4

Geological map of parts of Finlayson Lake (105G/7, 8 and parts of 1, 2, and 9) and Frances Lake (parts of 105H/5 and 12) map areas, southeastern Yukon (1:100 000-scale)

bv

Donald C. Murphy and Stephen J. Piercey* Yukon Geology Program

* Earth and Ocean Sciences, University of British Columbia