















FOSSIL COLLECTION				
	Sample No.	Fossils	Period	Reference
	99MC031 (C-118094)	crinoid fragments: conodonts (<i>Penodon?</i> sp)	Ordovician ?	GSC fossil report
	99MC042	Rugose corals	Carboniferous?	
	99MC152	crinoid fragments	Ordovician - Triassic?	

	SYMBOLS	
Geological contacts (defined, approximate; assumed, covered).....		
Thrust fault (defined, assumed).....		
Extension fault (assumed).....		
Dextral strike-slip fault (covered).....		
Limit of outcrop.....		
Limit of mapping.....		
Bedding (inclined, upright, overturned).....		
Compositional layering.....		
Dominant foliation (inclined, vertical).....		
Mylonitic foliation.....		
Crenulation cleavage.....		
Elongation or mineral lination (kinematic unknown, reverse).....		
Intersection lamination (vergence determined by bedding/foliation relation: unknown, clockwise, counterclockwise, symmetrical).....		
Tight to local fold axis (sinistral phase) (vergence: unknown, clockwise, counterclockwise, symmetrical).....		
Crenulation lamination (first, second).....		
Open fold axis (vergence: clockwise, counterclockwise, symmetrical).....		
Fold axial surface trace (uniform upright, overturned; synform upright, overturned).....		
Line of cross-section.....		
Apparent dip of bedding in cross-section (stratigraphic top: unknown, indicated by ball).....		
Apparent dip of foliation in cross-section.....		
Focal locality.....		
Geochronology sample (As-Pb: A = 40k/39Ar; U = 20con with = = zircon; U = biotite; Kfs = K-feldspar).....		

GEOCHRONOLOGY					
Map No.	Sample No.	Unit/Lithology	Method	Age (Ma)	Reference/Note
1	T-454	Dry pluton	U-Pb, zr	353 ± 1.4	Oliver & Montenson (1998)
2	99MC001	Quartz-feldspar porphyry	U-Pb, zr	ca. 340	Montenson (pers. comm., 1999)
3	cooling ages on white mica (wm), biotite (bt) and K-feldspar (ks) from various lithology, an asterisk (*) indicates a plateau age		40Ar/39Ar	85-210	Oliver (1996)

MINERAL OCCURRENCES			
Index-Mineral	Name	Commonity	
Volcanic-associated massive sulphide			
<i>new</i>	 Little Salmon	Cu (Py-Cpy)	
Vein			
105L014	 Drury	Cu? (behavable)	
<i>new</i>	 Mel	Cu-Zn (Bn-Mel-Ast)	
<i>new</i>	 Jersey	Cu-Pb-Zn-Ag (Py-Mel-Bm)	
<i>new</i>	 Hay	Cu-Pb-Ag-Au (Py)	
Skarn			
105L008	 Ullike	Cu (Py)	
105L011	 Cu	Cu (Py)	
<i>new</i>	 Km473	Cu (Py)	
Ultramafic intrusion associated			
105L009	 Wheelton	asbestos?	
Work target			
105L003	 Red Knoll	Py	
105L010	 Lark	Py	

ACKNOWLEDGEMENTS

Melanie Reinecke provided assistance in the field and prepared the digital topographic base map. She is also responsible for preliminary mapping of the transect north of Bearfeed Creek. Safe helicopter service was provided by Trans North Helicopters and more specifically by Brian Parsons (Carmacks) and Grant Shannon (Ross River).

REFERENCES

OLIVER, D. H., 1996. Structural, kinematic, and thermochronologic studies of the Teslin suture zone, south-central Yukon Territory: Ph.D. thesis; Southern Methodist University, 231 p.

OLIVER, D. H., and MORTENSEN, J. K., 1998. Stratigraphic succession and U-Pb geochronology from the Teslin suture zone, south-central Yukon. *In*: Yukon Exploration and Geology 1997, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 69-75.

RECOMMENDED CITATION

COLPRON, M., 1999. Preliminary geological map of Little Salmon Range (parts of NTS 105 L/1, 2 & 7), central Yukon (1:50,000). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-2.

Digital cartography and drafting by Maurice Colpron, Yukon Geology Program.

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

Copies of this map, the accompanying report and Yukon Minfile may be purchased from Geoscience Information and Sales, c/o Whitehorse Mining Recorder, Indian and Northern Affairs Canada, Room 102-300 Main St. Whitehorse, Yukon Y1A 2B5 Ph. 867-667-3266 Fax 867-667-3267.

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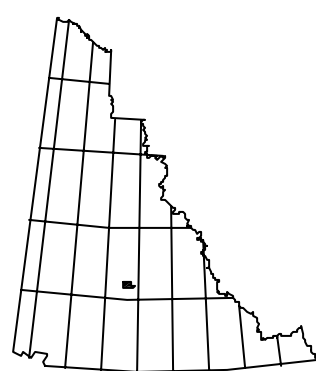
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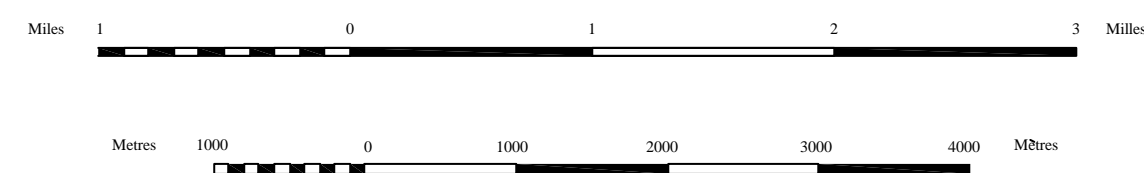
Preliminary geological map of Little Salmon Range (parts of NTS 105L/1, 2 & 7), central Yukon (1: 50 000 scale)

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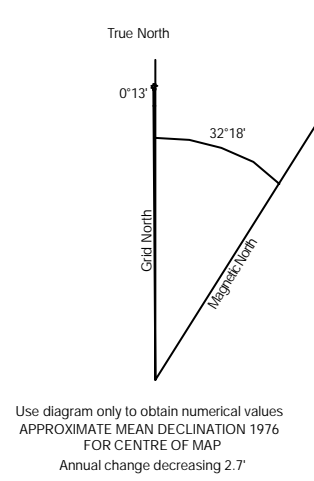
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Universal Transverse Mercator
ZONE 8



CONTOUR INTERVAL 100 FEET
 Elevations in Feet above Mean Sea Level
 North American Datum 1983
 Transverse Mercator Projection



105 L/6 Alo Peak	105 L/7 Drury Lake	105 L/8 Glenlyn Lake
	THIS MAP	
Little Salmon River	Snowcap Mountain	Trutt Creek
105 L/3	105 L/2	105 L/1
105 E/14	105 E/15	105 E/16
Clsire Lake	Big Salmon	Solitary Mountain

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