

CANADA - Etude des porphyres cupriferes

delta ³⁴S‰ v.s.C.D.

Echantillon	MOLYBDENITE	PYRITE	CHALCOPYRITE	BORNITE	CHALCOCITE
Lornex 74-G-3-3		-0.8 [±] 0.2	-1.1 [±] 0.2		
Lornex 74-G-3-5		+2.4	+2.4 [±] 0.2	+1.4 [±] 0.2	
East from Lornex 74-G-18-1	} Jay 101 (?)	+0.8 [±] 0.2			
East from Lornex 74-G-18-2			+0.8 [±] 0.2		
North from Betlehem	} S 800				
74-G-12-2			0.0 [±] 0.2		
Highmont 74-G-24	-0.6 [±] 0.2 -0.4 [±] 0.2		+0.8 [±] 0.2	+0.2 [±] 0.2	
Highmont NMT 69-195- 100			-0.1 [±] 0.2		
NMT 69-205- 105			+0.8 [±] 0.2		
Highmont	+0.5 [±] 0.2		-3.1 [±] 0.2		
Valley C. 74-G-37-1			-1.1 [±] 0.2		
Yubet 74-G-44-1			-5.7 [±] 0.2	-6.9 [±] 0.2	
Chataway 74-G-46-3			-7.2 [±] 0.1	-3.8 [±] 0.2	
Chataway 74-G-47-2			-2.9 [±] 0.2		
Chataway 74-G-47-3			-3.1 [±] 0.2		
Fiddler (edge of Guichon)			-1.1 [±] 0.2		
Skeena prop.			-1.5 [±] 0.2		
Bethsaida			-1.3 [±] 0.2		
Alwin OK mine			-1.8 [±] 0.1	-1.6 [±] 0.1	-2.0 [±] 0.2
Troy Silver		+3.6 [±] 0.2	+1.9 [±] 0.2		
Jericho 74-G-41-3					-0.6 [±] 0.2
Jericho 74-G-39-2			-2.1 [±] 0.2		

PROPERTY FILE

Echantillon	MOLYBDENITE	PYRITE	CHALCOPYRITE	BORNITE	CHALCOCITE
Jersey 74-G-4-9			-2.5 [±] 0.2		
Jersey 74-G-4-11			-3.2 [±] 0.2		
Kathleen 74-G-29-1			-2.5 [±] 0.2		
Basaltes 74-G-38-2			-9.1 [±] 0.2		

IRON MASK

CANADA - Etude des porphyres cuprifères

$\delta^{34}\text{S}\%$ v.s.C.D.

Echantillon	MOLYBDENITE	PYRITE	CHALCOPYRITE	BORNITE	CHALCOCITE
Kimberley Copper 74-IM-9			-3,1±0,2		
Galaxie 74-IM-14		-0,5±0,1*	-2,8±0,1*		
74-IM-33		-0,6±0,2	-2,7±0,2		
Iron Mask mine Veinlets of chalcopyrite					
74-IM-46 - A			-2,4±0,2		
74-IM-46 - B			-2,5±0,2		
74-IM-46 - C		-1,3±0,1*	-2,8±0,1*		
Magnetite layers 74-IM-51		-2,8±0,2			

COPPER MOUNTAIN

CANADA - Etude des porphyres cuprifères
delta ³⁴S‰ v.s.C.D.

Echantillon	MOLYBDENITE	PYRITE	CHALCOPYRITE	BORNITE	CHALCOCITE
Frisco claim 74-CM-8-1		+1,2±0,2			
Min.in volc.rocks 74-CM-10		-2,5±0,1*	-4,6±0,2		
Min in breccia pipe 74-CM-30-2			-2,7±0,2		
Min in syenite veinl. 74-CM-31-1		-1,1±0,1*	-1,4±0,2		
Diorite near the pit No.6 74-CM-51		-0,9±0,2	-0,1±0,2		
Min.in volc breccia 74-CM-53-2				-5,5±0,2	
Pit No.7 74-CM-55-2				-4,6±0,2	
Min. in gabbro 74-CM-67-2				-7,1±0,2	
Ingerbelle mine 74-CM-73-1		-2,5±0,2	-2,4±0,2		
Ingerbelle mine 74-CM-73-3			-2,3±0,2		

* Résultat confirmé par deux analyses complètes (préparation et mesure spectrométrique).

MEMORANDUM

TO W. J. McMillan
Geologist

FROM THE

DEPARTMENT OF MINES
AND PETROLEUM RESOURCES

VICTORIA, B.C., February 20, 1974

WHEN REPLYING PLEASE REFER
TO FILE NO.

Re: Trace element copper in Guichon Creek Batholith rocks

To date I have received trace element data on 74 rock samples from several phases of the batholith.

The data on copper is summerized as follows:

Overall: Sample No. - 74
Range - 3 to 250 ppm
Arithmetic
 mean - 90 ppm
Standard
 deviation - 64 ppm

Guichon variety: Range - 37-250 ppm
 \bar{X} - 132 ppm
 s.d. - 54 ppm

Withches brook: Range - 37-145 ppm
 \bar{X} - 124 ppm
 s.d. - 50 ppm

Bethlehem: Range - 7-34 ppm
 \bar{X} - 17 ppm
 s.d. - 12 ppm

Le Roy: Range - 66-125 ppm
 \bar{X} - 89 ppm
 s.d. - 22 ppm

These samples are all from the northeast and north central part of the batholith and as yet are not presumed to be representation of the pluton as a whole or any one phase.

E. W. Grove,
Senior Geologist

ENG/ldm

cc: ASB ✓
 KEN
 WMJ

PROPERTY FILE