

## DRILL HOLE LOG

## UKON JOINT VENTURE

## SURPRIZE CLAIMS, YUKON 1978

MOUNT SOPRIS  
GAMMA PROBE LOG

FOOTAGE	SLUDGE					CORE					HOLE DEPTH ft.	DESCRIPTION AZ: VERT. DIP: -90°	FOOTAGE
	SAMPLE NO.	WEIGHT LBS	CPS*	ppm U	ppb Au	SAMPLE NO.	% RECOV.	CPS*	ppm U	ppb Au			
5											5	SCHIST-GNEISS UNIT - Psn (KLONDIKE SCHIST) CHLORITE SCHIST-FAULT?	5
10											10		10
15	12501		90/90	1.5	15	12525	50	75/75	0.5		13	BLACK MUD- PLANT ROOTS AND WHITE QUARTZ FRAGMENTS	15
							0				15		
	12502		90/90	<0.5	10	12526	80	70/70	0.5		17	DARK GREY MUD	
							0				19		
20						12527	75	76/72	0.5		20	DARK GREY MUD, PORPHYRY FRAGMENTS AT TOP	20
	12503		90/90	<0.5	40		0				22		
25						12528	100	72/72	0.5	<5	25	DARK GREY MUD WITH QUARTZ FRAGMENTS	25
	0										28	FRESH QUARTZ FELDSPAR PORPHYRY-Qtzfp	
30						12529	14	72/72	2.0	5	30	MINOR CHLORITE SCHIST FRAGMENTS	30
	12504		90/90	1.5	<5						31		
35						12530	14	72/72	6.0	<5	34	FRESH TO WEAKLY ALTERED	35
	12505		90/90	1.5	<5						35		
40							0				36		
	12506		90/90	3.0	<5						38	FRESH TO WEAKLY ALTERED	40
											40		
45	12507		110/90	5.0	<5	12531	22	72/72	3.5	5	42	MINOR BLACK MUD	45
											44		
50							0				45		
	12508		110/90	5.5	45						50		
55						12532	22	72/72	<0.5	<5	55		55
	12509		100/90	3.5	<5	12533	45	72/72	4.0	<5	58	BLACK MUD AND DECOMPOSED CHLORITE SCHIST	60
60							0				60		
65	12510		100/90	5.0	5						65		65
70	12511		100/85	5.0	5	12534	4	68/68	<0.5	<5	70		70
75	12512		100/85	8.0	<5								

PROBE  
MALFUNCTIONCHLORITE AND QUARTZ  
CHLORITE SCHIST

MOST OF RECOVERED CORE IS  
WHITE QUARTZ, WEAK TO FAIR  
FRACTURE JAROSITE, WEAK  
RARELY FAIR INDIGENOUS DISSEM-  
INATED JAROSITE LINING RARELY  
MASSIVE FILLING CAVITIES, WHITE  
QUARTZ HAS OPEN FRACTURES  
AND CAVITIES COMMON, JAROSITE  
LINING NOT COMMON.

SAMPLE NO.	PPM SN
12525	1
12526	1
12527	1
12528	1
12529	4
12530	2
12531	1
12532	1
12533	1
12534	1



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FOOTAGE	SLUDGE					CORE					HOLE DEPTH ft.	DESCRIPTION	HOLE NO. S2 PAGE 2 OF 2	FOOTAGE
	SAMPLE NO.	WEIGHT LBS	CPS*	ppm U	ppb Au	SAMPLE NO.	% RECOV.	CPS*	ppm U <sub>1</sub>	ppb Au				
	12513		100/30	5.5	<5	12535	100	84/76	7.0		79	BROWN SANDY MUD GRADING INTO FINE SAND THEN TO COARSE GRITTY SAND - SAND 40% QUARTZ & 60% SCHIST	CHLORITE AND QUARTZ CHLORITE SCHIST	
80	(1) 12514		120/30	14	<5						80	PORPHYRY AND WHITE QUARTZ WITH SCHIST INCLUSIONS	SEE PAGE 1 FOR DESCRIPTION.	80
	(2)		110/30	11	20	12536	9	72/68	0.5		82			
85											85	WHITE QUARTZ		85
	12515		120/30	11	60							WHITE QUARTZ		
90						12537	32	74/70	3.0		89	?		
	12516		110/30	9.0	<5	12538	83	80/76	2.5		90	PALE GREEN, BLEACHED MODERATE PERVASIVE ARGILLIC SUPERGENE ALTERATION.	QUARTZ FELDSPAR PORPHYRY	90
95											95	GREENISH GRAY COLORED, MEDIUM GRAINED, SMOKY QUARTZ (10-15%) FELDSPAR (20-30%) AND CHLORITIZED BIOTITE - HORNBLENDE (<3%) PHENOCRYSTS IN A MICROCRYSTALLINE MATRIX. FRACTURES AVERAGE 20" TO CORE AXIS, DENSITY 1-4/FT. FAIR - MODERATE ARGILLIC ALTERATION. STRONG MANGANESE SPECKLING AND WEAK JAROSITE - GOETHITE ALONG FRACTURES. TRACES OF GYPSUM?		95
						11432	100	80/80	7.5		97			
100											100			
						11433	100	80/80	9.0		105	0.5 FT. PORPHYRY BRECCIA IN A DARK GREEN MONTMORILLONITE MATRIX		105
105														
110						11434	100	90/80	2.5		110			110
115											115			115
											116	END OF HOLE - ABANDONED		
120											120			120
125											125			125
130											130			130
135											135			135
140											140			140
145											145			145
150														

PROBE  
MALFUNCTION