

DRILL HOLE LOG

LOG No. P1
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COORDINATES 1480 W, 480 N

ELEVATION -

DIP 50° SW

AZIMUTH 228°

SCALE 1" = 10'

CORE SIZE AQ

HOLE STARTED JULY 31, 1974

HOLE COMPLETED 10 August, 1974

LOGGED BY R. CATHRO

FINAL DEPTH - 352'

FOOTAGE	DESCRIPTION	DIP
0	AX CASING TO 52.0' CEMENTED AT 269' and 352'	
10	QUARTZITE (0-166') - thin bedded, white to light grey, strongly foliated along thin shale partings. Occasional thin (1/4"-1/2") phyllitic shale bands. Foliation varies from 75° to 90° to core.	
6'		
20		
3'		
30		
2'	0'-50' - about 1% leached, limonite stained pits - probably after pyrite.	
40		
5'		
50		
8'		
60		

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FOOTAGE	DESCRIPTION	DIP
60		
6'		
70		
7'		
80	50'-100' - about 1% disseminated, partially leached pyrite	
10'	68.5'-72', 76'-77', 89'-92' - about 1% disseminated magnetite.	
90		
8'		
100	115-118' - Iron Formation - estimate 6% pyrite and 10% magnetite in fine disseminations following foliation.	
3'		
110		
10'		

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FOOTAGE	DESCRIPTION	DIP
120		
10'		
130	118'-166' - quartzite slightly lighter coloured than previous section, contains local concentration of disseminated pyrite and magnetite.	
6'	123'-129' - 7% pyrite	
	133-134 - 10% pyrite	
140	134-165 - 4% pyrite	
	151-154 - 1% magnetite	
3'	151' - 1/16" wide pyrite veinlet cutting foliation at 40°	
	165' - 1/16" wide pyrite veinlet cutting foliation at 30°	
150	165.7' - 1" white vitreous fractured quartz.	
8'		
160		
7'	SHALE (166'-193') - dark grey, phyllitic, contains occasional thin quartzite bands	
170		
6'	172.0' - 3" wide vitreous, fractured, quartz.	

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FOOTAGE	DESCRIPTION	DIP
180		
3'		
190		
3'	QUARTZITE (193' - 233') - slightly more shaley than previous section, no pyrite or magnetite. Foliation at 90° to core.	
200		
3'	205' - 3" white, vitreous, fractured quartz.	
210		
2'		
220		
0'		
230		
0.5'	SHALE (233' - 243') - dark grey, broken. Foliation flattens to 40° at 243' - probably indicates a fault.	

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FOOTAGE	DESCRIPTION	DIP
240		
3.5	CHLORITE SCHIST (243'-259') - light green, strongly phyllitic - foliation flattens to 0° at 250', probably due to weak faulting.	
250	249' - 2" white vitreous fractured quartz.	
0'	259' - 1/4" graphitic gouge, foliation at 80° to core.	
260	<u>MINERALIZED SERICITE, TALC, QUARTZ SCHIST (259'-324')</u>	
4'	- soft, broken (no evidence of faulting) with foliation at 80° to 90° to core. Minor weakly chloritic sections. Faint cross-foliation at 35° to core. Up to 5% fine disseminated pyrite which tends to concentrate in bands in foliation and cross-foliation direction. Sphalerite and chalcopyrite occurs mainly as concentrations in thin bands (1/4") parallel to foliation and occasionally as fine disseminations. Both sphalerite and chalcopyrite tend to occur separately from pyrite and each other. Minor unmineralized quartz occurs as thin (3" max.) lenses or boudins.	
270	271' - weak fault (1/4"), foliation drags to 35° to core for several inches on either side.	
9'		
280		
1.5'		
290		
3.2'	Sludge samples were taken from 286' to 345'. Both sludge and core samples were assayed geochemically at Chemex Labs. Ltd., North Vancouver, B.C., by atomic absorption spectrometry of a nitric-perchloric extraction of a -80 mesh fraction from a pulverized split. Values in parts per million (ppm) are listed on the following page.	

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FOOTAGE	DESCRIPTION	DIP
300		
	SAMPLE No. INTERVAL CORE REC'D(%) Cu (ppm) Pb (ppm) Zn (ppm) Ag (ppm)	
	CORE	
1.5'	451 262' to 265.8' 9" (25) 88 88 1304 3.5	
	452 265.8' to 269' 10" (26) 64 46 1280 20.5	
	453 269' to 269.4' 5" (100) 68 18 248 20.5	
	454 269.4' to 271' 16" (84) 64 32 155 0.5	
	455 271.0' to 274' 39" (100) 430 84 420 1.0	
3.10	456 274' to 277' 32" (89) 440 38 10300 1.5	
	457 277' to 281' 38" (79) 116 32 525 1.0	
	458 281' to 287' 9" (12) 363 191 12500 4.5	
	459 288.3' to 292' 5" (9) 96 30 295 20.5	
	460 292' to 296' 28" (58) 300 66 12500 0.5	
0.3'	461 296' to 299' 8" (22) 372 64 6100 0.5	
	462* 303' to 306' 14" (39) 2968 191 8700 3.0	
	463* 306.5' to 317' 6" (5) 1620 350 766 6.5	
	464* 322.5' to 324' 26" (87) 430 2240 1244 24.0	
	SLUDGE	
3.20	466 286' to 296' — 635 116 7400 0.5	
	467 296' to 303' — 910 191 15800 1.0	
	468 303' to 312' — 1760 300 5600 2.0	
	469 312' to 322' — 4400 96 660 2.0	
	470* 322' to 333' — 5900 583 1488 9.0	
3.3	471 333' to 343' — 780 126 420 1.5	
	389 343' to 345' — 190 122 434 20.5	
	* SPECTROGRAPHIC ANALYSES - SEE ATTACHED CHEMEX LABS. CERTIFICATE	
3.30	- core intervals 287'-288.3' and 299'-303' not assayed due to insufficient recovery.	
0.1'	CHLORITE SCHIST (324'-352') - very broken, soft, talcose. Foliation at 90° to core.	
3.40		
0.1'		
350		
0		
352		
END		