JERVOIS MINING NL - DRILLHOLE LOG

DRILLHOLE: TC05	Logged by: J.G.Purvis	Date 2.2.00	Depth: 39.3m	Size: NTW
	Co-ords: 5 406234N / 420873E. 755S / 1300W (Grid)	RL: 530m	Dip: - 90	Azimuth:

DRILL ADVANCE					LITHOLOGY					
From	To	Interval	Recovered	Lost	From	To	DESCRIPTION	ALTERATION	STRUCTURE	MINERALIZATION
0	1.4	1.4	0.35	1.05	0	2	TERTIARY BASALT.			
1.4	1.8	0.4	0.2	0.2			Unox grey basalt rubble. Weakly magnetic.			
1.8	3.3	1.5	1.25	0.25						
3.3	4.8	1.5	1.4	0.1	2	9.05	WEATHERED TERTIARY BASALT.			
4.8	6.3	1.5	0.7	0.8			Orange-brown clay after highly oxidized basalt.			
6.3	7.8	1.5	1.3	0.2			Some small (<10cm) remnants of unoxidized			
7.8	9.3	1.5	0.95	0.55			basalt in the clay below 5.5m. Rubble of fine			
9.3	10.8	1.5	1.5	0			qtz conglomerate ("Grey Billy") in basal 10cm.			
10.8	12.3	1.5	1.5	0						
12.3	13.8	1.5	1.5	0	9.05	12.75	GARNETIFEROUS SKARN.	Unoxidized.	Weak banding 80-90/LCA	Rare dissem py, except for 1cm
13.8	15.3	1.5	1.5	0			Creamy-green & pink. Massive med-gr skarn	Intensely altered.	Largely unbroken.	py-rich band at top contact.
15.3	16.8	1.5	1.5	0			mainly composed of pale green minerals (poss	Minor baking in places		
16.8	18.3	1.5	1.5	0			a chlorite-epidote mixture as both minerals	(eg: at basal contact).		
18.3	19.8	1.5	1.5	0			are evident in places). Garnet generally conc			
19.8	21.3	1.5	1.5	0			in diffuse bands & patches. Minor carbonate.			
21.3	22.8	1.5	1.5	0						
22.8	24.3	1.5	1.4	0.1	12.75	19.75	MASSIVE PYRRHOTITE-MAGNETITE SKARN.	Intensely altered.	Banding 85/LCA.	To 16.8m: MASSIVE PO-MAG,
24.3	24.8	0.5	0.35	0.15			Brownish-black, very heavy, hard. To 16.8m		Fairly abrupt change at	lesser py & 1-2% dissem cp.
24.8	25.1	0.3	0.3	0			essentially-massive 1:1 pyrrhotite-magnetite in		base, 85/LCA.	16.8-19m: SEMI-MASSIVE MAG
25.1	25.5	0.4	0.4	0			blebby interbands 1-5cm thick. Some po bands		Largely unbroken.	>>po. Minor cp & py, incl 4 high-
25.5	26.9	1.4	1.35	0.05			have biotite gangue & some magnetite bands			angle qtz-py veinlets to 8mm.
26.9	28.4	1.5	1.5	0			contain qtz-chlor. Below 16.8m: semi-massive			19-19.75m: NEAR-MASSIVE PO
28.4	28.8	0.4	0.4	0			magnetite>>po in chlorite (+-qtz), with 75cm of			trace mag & py, 1-2% cp.
28.8	30.3	1.5	1.5	0			near-massive banded po in qtz gangue at base.			
30.3	31.8	1.5	1.5	0						
31.8	33.3	1.5	1.5	0	19.75	21.65	CHLORITE SKARN.	Intensely altered, with	Weak banding (after So)	5% mag>py-po, trace cp, dissem
33.3	34.8	1.5	1.5	0			Dark green with creamy patches. Blotchy &	chlorite dominant.	80/LCA. Basal contact	in chlorite bands & decreasing
34.8	36.3	1.5	1.5	0			weakly-banded. Chlorite-ferromag-epidote-	Some late-stage chlor	gradational (appearance	with depth (+10% at top).
36.3	37.8	1.5	1.5	0			garnet skarn overprinted by bands of chlorite-	introduced along	of detrital qtz).	Occasional pyrite veinlets
37.8	39.3	1.5	1.5	0			magnetite-sulphide skarn. Bands of fi gr	fractures.		(largest 1cm, 35/LCA at 21.6m).
							silic hornfels after siltstone.			

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DRILL ADVANCE					LITHOLOGY					
From	To	Interval	Recovered	Lost	From	To	DESCRIPTION	ALTERATION	STRUCTURE	MINERALIZATION
					21.65	26.1	SILICEOUS SANDY SKARN.	Intense chlorite-ferromag	Bedding 85/LCA.	To 24.2m: 3-5% patchy mag-py,
							Dark greyish-green. At top (to approx 23.5m),	alt at top, decreasing	Badly broken strong	mostly dissem. Py often on fracts
							silica-chlorite-ferromag+-epidote skarn with	gradually to moderate	pyritic fault 24.3-25.25m.	& in veinlets to 2mm 35/LCA.
							med-coarse gr detrital qtz (to 3mm in places).	chlor>biotite alt at base		24.2-25.25m: +10% py>>mag in
							Alteration decreases with depth to chloritized	Strong silicification		fault: as massive botryoidal bx-fill,
							silicified sst at base. Below 24m several	throughout. Mg chlor in		loose py sand, & veinlets to 1cm.
							bands of silicified & biotitized sericitic siltstone.	fault at 24.3-25.25m.		25.25-26.1m: 2% py, dissem &
										thin veinlets.
					26.1	32.7	SILICIFIED QUARTZ SANDSTONE.	Very strongly silicified.	Mildly broken by fractures	To 29m: 1-2% py, dissem & on
							Grey, very hard. Massive fi-med gr qtz sst.	Weak chloritization to	strongest low angle to	fracts (+-qtz or chlor).
							Band of thinly-bedded unsilicified sericitic	29m. Biotitization of	LCA. Bedding in siltst	29-30m: trace py.
							siltstone 29-30m.	sst around siltst.	75-90/LCA. Basal	30-32.7m: 1% py, dissem & in
									contact bedding 80/LCA.	1-2mm qtz-py veinlets 30-90/LCA
					32.7	36.25	BIOTITIZED SILTSTONE.	Moderate biotitization,	Bedding 85-90/LCA.	1-2% py, dissem (best in sst) &
							Fawny brown, thinly-bedded sericitic siltstone.	conc in sandy lenses	Largely unbroken.	in high-angle qtz-py veinlets 1-20
							Minor beds to 10cm of green chloritized silicif	but incl fine biotite	Basal contact wavy	mm & most common 33.9-34.9m
							qtz sst & silica-chlor-ferromag skarn. Small	spotting of siltst. 4cm	bedding 85/LCA.	
							sst lenses in siltst appear to be worm burrows.	qtz vein 90/LCA, 33.3m		
					36.25	39.3	CHLORITE SKARN & BIOTITE HORNFELS.	Strong silicification /	Massive & unbedded.	2% py, dissem & in high-angle
							Green & brown, very hard. Blotchy appearance	baking, with chlorite &		veinlets.
							Mainly med gr silica-chlorite-ferromag-epidote	biotite alteration.		37.7m: 4mm py veinlet, 60/LCA.
							skarn with abundant sand-sized qtz (probably	Hematite+-calcite on		37.85m: 3mm py-mag veinlet,
							detrital). Lesser fi gr silica-biotite (+-chlorite)	fractures.		60/LCA.
							hornfels after sericitic siltstone.			Sulphs decrease in basal 1m.
							END OF HOLE			