JERVOIS MINING NL - DRILLHOLE LOG

DRILLHOLE: TC04	Logged by: J.G.Purvis	Date: 28.1.00	Depth: 29.8m	Size: NTW
	Co-ords: 5 406072N / 420786E. 930S / 1345W (Grid)	RL: 545m	Dip: - 90	Azimuth:

DRILL ADVANCE					LITHOLOGY					
From	To	Interval	Recovered	Lost	From	To	DESCRIPTION	ALTERATION	STRUCTURE	MINERALIZATION
0	0.5	0.5	0.45	0.05	0	4.9	MASSIVE MAGNETITE-SULPHIDE SKARN.	Intense alteration.	Slightly diffuse blebby	MASSIVE to SEMI-MASSIVE
0.5	1.8	1.3	1.1	0.2			Dark green & brownish-black, heavy, strongly	Mildly oxidized & broken	banding 65/LCA. Bands	mag, po & py. Minor dissem cp.
1.8	3.3	1.5	1.5	0			magnetic. Massive to semi-massive fine	to 2m, then unbroken.	typically 1-3cm thick, but	Py predom above 2m, po below.
3.3	4.8	1.5	1.5	0			grained interbanded magnetite, pyrrhotite &		locally to 20cm.	Minor regular 1-3mm veinlets
4.8	6.3	1.5	1.5	0			pyrite, in subordinate chlorite-ferromag gangue.		Abrupt change at base.	of qtz-py (+-bismuthinite) often
6.3	7.8	1.5	1.5	0			Minor mod soft leucocratic mineral some in			sub-// banding, cut by 1-3mm
7.8	9.3	1.5	1.25	0.25			diffuse bands (fluorite?).			veinlets of cb-cp(+-bismuthinite)
9.3	10.4	1.1	1.1	0						at all angles. Some bismuthinite
10.4	10.8	0.4	0.4	0						dissem in chlorite gangue.
10.8	11.6	0.8	0.8	0						
11.6	12.2	0.6	0.6	0	4.9	8.75	SULPHIDIC SKARN.	Intense alteration.	Blebby banding 70/LCA.	25% po-py-mag. Dissem mag
12.2	13.1	0.9	0.9	0			Dark greenish-grey, hard, moderately to strongly	Some baking.	Largely unbroken.	in chlor, overprinted by dissem to
13.1	13.8	0.7	0.7	0			magnetic. Similar to above but less sulphides		Abrupt change along	massive banded po>py, often as
13.8	15.3	1.5	1.3	0.2			& magnetite. A banded chlorite/ferromag-silica-		bedding at base 70/LCA.	selvages to the common regular
15.3	16.3	1	0.85	0.15			garnet/epidote-pyrrhotite-pyrite-magnetite rock.			po-py (+-cp & bismuthinite)
16.3	17.7	1.4	1.2	0.2			Minor thin bands of siliceous hornfels, after			veinlets sub-// the banding.
17.7	18.6	0.9	0.9	0			qtzose siltstone.			At 5.3m: 5mm qtz-py-po-cp-bi
18.6	19.8	1.2	1.2	0						veinlet 45/LCA. At 6.7m: 4mm
19.8	20.3	0.5	0.5	0						qtz-py-bi veinlet 70/LCA.
20.3	20.8	0.5	0.5	0						
20.8	21.7	0.9	0.9	0	8.75	18.3	SILICIFIED QUARTZ SANDSTONE.	Strong (locally intense)	Highly fractured & broken	8.75-12.7m: 1-2% py, dissem &
21.7	22	0.3	0.3	0			Grey, very hard. Fine to medium grained qtz	silicification. Minor	below 14.4m, with slight	on chloritic fracts. Bismuthinite
22	22.55	0.55	0.45	0.1			sst. Thin beds of unsilicified sericitic siltstone	chlorite-ferromag alt in	crushing of siltst beds.	in 2mm qtz-py veinlets at 9.8m.
22.55	22.9	0.35	0.35	0			above 11m and below 14m.	upper 1m. Minor biotite	Bedding (siltst) 75/LCA.	10.85m: 3cm qtz>py vein 65/LCA
22.9	23.8	0.9	0.9	0				in sst around siltst beds		12.5m: 20cm fractured zone 30/
23.8	24.5	0.7	0.7	0				Common 1-3mm qtz		LCA with 5% coarse gr pyrite.
24.5	25.2	0.7	0.5	0.2				veinlets, high angle.		12.7-17.4m: minor to 1% py,
25.2	25.8	0.6	0.4	0.2						dissem & in fracts. Bi on fracts
25.8	26.4	0.6	0.6	0						& 1mm qtz veinlets to 14.5m.
26.4	27.3	0.9	0.85	0.05						17.4-18.3m: 1-2% py & minor bi,
27.3	28.3	1	1	0						dissem, on fracts & in qtz veinlets

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28.3	29.8	1.5	1.5	0	18.3	21.3	FRACTURED SILTSTONE.	Biotite-silica alteration	Strongly fractured &	To 20.2m: 1% py, dissem in sst
							Interbedded fawny-brown sericitic siltstone &	of sst adjacent to siltst	broken.	& on fracts. Trace bismuthinite
							lesser greenish-grey med gr qtz sst. Below	beds. Thicker sst beds	Fine, weakly warped,	in tiny qtz veinlets (to 1mm max).
							20m siltst beds wrap around common small	are chloritized.	bedding 65-70/LCA.	20.2-21.3m: minor py.
							sst lenses suggestive of worm burrows.	Minor tiny qtz veinlets.	Abrupt basal contact 70/	
									LCA (bedding).	
					21.3	24.3	SILICA-CHLORITE-BIOTITE HORNFELS.	Very strongly silica-	Fractured (strongest <25/	2-3% py, dissem & tiny veinlets.
							Greenish & brownish grey. Hard. Strongly	chlorite-ferromag-biotite	LCA) & partly broken,	Hematite & py on fractures.
							altered & partly baked zone in qtz sst & sericitic	altered.	with several small crush	
							siltstone. Now a fine to medium grained silica-		zones.	
							chlorite-ferromag-biotite-sericite rock.			
					24.3	25.8	FAULT.	Strongly biotitized.	Strong fault - angle	2% patchy py, dissem & on
							Badly shattered & broken zone, mainly in brown		unknown.	fractures (+-hematite).
							biotitized fine qtzose sst. Minor siltstone &			At 24.9m: 8cm laminated qtz>py
							chloritic hornfels as above.			vein 70/LCA.
					25.8	29.8	BIOTITIZED QUARTZOSE SANDSTONE &	Moderate to strong	Fine regular bedding	1% patchy py: dissem & in qtz-py
							SILTSTONE.	biotitization.	70-75/LCA. Moderately	veinlets (thickest - 27.6m: 7mm,
							Brownish-grey, fine to medium grained qtzose		fractured & broken, with	65/LCA; 29.2m: 5mm, 65/LCA),
							sst & interbedded mildly siliceous siltstone.		several thin high-angle	& on fractures +-hematite.
							Siltstone predominates below 27m.		crush seams.	
							END OF HOLE			