

JERVOIS MINING NL - DRILLHOLE LOG

DRILL ADVANCE					LITHOLOGY					
From	To	Interval	Recovered	Lost	From	To	DESCRIPTION	ALTERATION	STRUCTURE	MINERALIZATION
DRILLHOLE: TC01					Logged by: J.G.Purvis			Date: 17.1.00	Depth: 46.4m	Size: NTW
					Co-ords: 5 406144N / 420888E . 838S / 1264W Grid			RL: 523m	Dip: - 90	Azimuth:
2.4	2.9	0.5	0.5	0	0	2.4	SOIL & COARSE ALLUVIUM.			
2.9	4.4	1.5	1.5	0						
4.4	5.9	1.5	1.4	0.1	2.4	12.25	GARNET-EPIDOTE SKARN.	Minor oxidized sections	Unbroken. Weakly-	To 4.4m: trace dissem py-cp>
5.9	7.4	1.5	1.5	0			Pale pinkish-green, massive, heavy.	Intensely altered.	developed banding	mag, with 1-2% mag 3.2-4.2m.
7.4	8.9	1.5	1.5	0			Composed mainly of garnet, epidote & bluish-	Rare calcite veinlets,	(rarely wigglytic) 85/LCA.	4.4-12.3m: trace dissem py.
8.9	10.4	1.5	1.5	0			green chlorite(?). Minor blebs of calcite &	otherwise unveined.	11.25-11.5m: hornfels	
10.4	11.9	1.5	1.5	0			fluorite. Non-magnetic, except for few clots of		band with So 80/LCA.	
11.9	13.4	1.5	1.5	0			magnetite at 3 - 4.4m).		Abrupt change at base.	
13.4	14.9	1.5	1.5	0						
14.9	16.4	1.5	1.5	0	12.25	17.55	CHLORITE-MAGNETITE SKARN.	Intensely altered.	Unbroken.	12.25-13m: 15% mag>>py-po-cp
16.4	17.9	1.5	1.5	0			Dark green & black, massive, very heavy.	Minor tiny veinlets of	Banded 75-90/LCA.	13-14.75m: SEMI-MASSIVE to
17.9	19.4	1.5	1.5	0			Magnetite, + sulphides & minor fi gr fluorite(?),	chlorite, & pyrite.	12.5m: wigglytic banding.	locally MASSIVE, fi gr banded
19.4	20.9	1.5	1.5	0			assoc with chlorite in slightly diffuse blebby		Gradational basal contact	mag>py-po, minor cp.
20.9	22.4	1.5	1.5	0			bands typically 1-3cm thick. Garnet & epidote			14.75-15.25m: MASSIVE banded
22.4	23.9	1.5	1.5	0			common in sections with less magnetite.			fi gr po>>mag-py, 1-2% cp.
23.9	24.3	0.4	0.4	0						15.25-17.55m: 10-25% (decrease
24.3	25.4	1.1	1.1	0						with depth) mag>po-py, minor cp
25.4	26.9	1.5	1.5	0						
26.9	28.4	1.5	1.5	0	17.55	22.75	INTERCALATED SKARN & HORNFELS.	Very strongly altered &	Largely unbroken.	17.55-19.4m: 1% py in regular
28.4	29.9	1.5	1.5	0			Green & dark grey, generally hard to very hard.	baked.	Banding 80-85/LCA	veinlets to 2mm, with chloritic
29.9	31.4	1.5	1.5	0			Massive, blotchy, chlorite-epidote-garnet skarn	Hematite on some	after bedding.	selvages with dissem po or mag.
31.4	32.9	1.5	1.5	0			at top. Below 19m predominantly chlorite-silica	fractures.	Basal contact abrupt,	19.4-21m: 3-5% mag-po-py,
32.9	34.4	1.5	1.5	0			hornfels with detrital qtz grains to 2mm (after		80/LCA.	mainly as dissem extending
34.4	35.9	1.5	1.5	0			qtzose sandstone), & minor thin bands of fawn			from po-py veinlets 40/LCA.
35.9	36.7	0.8	0.8	0			fi gr siliceous hornfels (after siltstone).			21-22.75m: 2-3% mag-py-po,
36.7	38	1.3	1.25	0.05						patchy veinlets & dissem.
38	39.6	1.6	1.6	0						
39.6	40.5	0.9	0.9	0	22.75	30.6	SILICIFIED QUARTZ SANDSTONE.	Strongly silicified.	Bedding in siltst: 85/LCA	To 28m: 1% py, mainly dissem.
40.5	41.9	1.4	1.4	0			Pale grey, very hard. Fi-med gr massive qtz	Mild pervasive chlorite	at 23m, 90/LCA at 27m.	28-30.6m: minor py.
41.9	43.4	1.5	1.5	0			sst. Very minor thin (2-20mm) beds of fawny	alt in places. Biotite	Low-angle fractures filled	
43.4	44.9	1.5	1.5	0			unsilicified sericitic siltstone.	occurs adjacent to siltst	with chlorite-epidote.	

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44.9	46.4	1.5	1.5	0	30.6	33.5	BIOTITIZED SILTSTONE. Pale fawny-brown. Softish (non-siliceous & slightly sericitic) siltstone, with characteristic thin bioturbated blebby qtz sand laminae. Minor interbeds of chloritic qtz sst, mainly in upper 0.8m.	Mild biotitization, esp in sandy bioturbations. Fine biotite spotting of siltst. Sst beds strongly qtz-chlorite alt. Fine calcite veinlets.	Finely bedded 80-85/LCA Basal contact abrupt, 80/LCA.	Py best in qtz-chlor alt zones. 30.6-31.5m: 1% dissem py, trace cp. 31.5-33.5m: minor dissem py>po 31.9m: 4mm qtz-py veinlet 40/LCA.
					33.5	36.7	MIXED HORNFELS & SKARN. Green & fawny-brown, hard to very hard. Complex variable zone with blotchy & swirly appearance. Mainly a qtz-chlorite-epidote rock with fine detrital qtz, evidently after variably-calcareous qtzose sst. Finer-gr qtz-sericite-biotite zones (after sandy siltst).	Strong baking & silica-chlorite alt, with lesser epidote & biotite. Minor hematite colouration in places (assoc with albite?).	Unbroken. Basal contact a small fault, 60/LCA.	To 35.2m: 1-2% dissem py-po. 35.2-36.7m: minor to 1% py-po.
					36.7	41.9	BIOTITIZED SANDY SILTSTONE. Dark grey-brown, massive. Altered dark grey chloritic sandy siltstone with modest qtz content (rock is not hard).	Biotite>>chlorite alt moderate to strong at top, decreasing to weak at base.	Bedding 85/LCA at 41m. Slightly fractured (both high & low angle), broken 39.8-40.8m. Basal contact bedding 83/LCA.	Minor to 2% py>po, mainly dissem & best around 39m. 38.8m: 4mm py veinlet 50/LCA with bleached selvages.
					41.9	46.4	ALTERED QUARTZOSE SANDSTONE. Dark grey-brown to pale green, hard to very hard. Massive fine to coarse gr sst, qtzo-feldspathic above silty section at 43.45-43.8m, then qtz-rich (almost qtz sst). Siliceous clasts to 5mm at 45.2m.	Strong qtz-biotite alt overprinted by blotchy qtz-chlorite-actinolite. Minor calcite veinlets.	Generally unbroken.	Better sulphides assoc with qtz-chlorite-actinolite alt. 41.9-44.7m: minor to 1% dissem py>mag or po. 44.7-45.5m: 2% dissem py. 45.5-46.4m: minor to 1% py.
					END OF HOLE					