

JERVOIS MINING NL - DRILLHOLE LOG

DRILL ADVANCE					LITHOLOGY					
From	To	Interval	Recovered	Lost	From	To	DESCRIPTION	ALTERATION	STRUCTURE	MINERALIZATION
DRILLHOLE: NC14					Logged by: J.G.Purvis			Date: 1.12.99	Depth: 51.0m	Size: NTW
					Co-ords: 5 406565N / 425141E, (4586N / 5700E Grid)			RL: 665m (est)	Dip: - 50	Azimuth: 033 AMG
0	1.6	1.6	0	1.6	0	1.6	NO CORE.			
1.6	2.3	0.7	0.65	0.05						
2.3	3.8	1.5	1	0.5	1.6	7.9	OXIDIZED QUARTZOSE SANDSTONE.	Strongly oxidized:	Broken. Abrupt irreg	Mild limonite stains to 3.8m &
3.8	5.3	1.5	0.85	0.65			Creamy-white, soft, crumbly & clayey.	leached & bleached.	contact to unox rock at	7.0-7.6m (in latter, 2% py-po in
5.3	6.8	1.5	1.2	0.3			After fi-med gr altered qtz sst.	Original sst qtz-biotite	base.	small unox patches).
6.8	8.3	1.5	1.45	0.05				altered.		
8.3	9.8	1.5	1.5	0						
9.8	11.3	1.5	1.5	0	7.9	16.3	SILICIFIED QUARTZ SANDSTONE.	Strong qtz>sericite alt.	Mildly fractured & broken.	7.9-11.5m: 3% py (+marcasite?)
11.3	12.8	1.5	1.5	0			Grey, hard, fi-coarse gr, massive.	Trace biotite alt.	Very weak cleavage: 30/	& minor po, mostly in dendritic
12.8	14.3	1.5	1.5	0			Numerous white clasts(?) to 20mm of identical		LCA @ 11.5m; 50/LCA	dissem. 11.5-14.0m: 1% py,
14.3	15.8	1.5	1.5	0			sst.		at 15m.	dissem & veinlets. Qtz-py veins
15.8	17.3	1.5	1.5	0					Basal contact abrupt &	to 25mm @ 12.7-13m.
17.3	18.8	1.5	1.4	0.1					irreg.	14.0-15.8m: 1-2% py, dendritic.
18.8	20.3	1.5	1.4	0.1						15.8-16.3m: 3-5% coarse py.
20.3	21.8	1.5	1.5	0						
21.8	23.3	1.5	1.5	0	16.3	19.2	LEACHED PYRITIC CALC-SILICATE.	Strongly leached.	Moderately broken, with	16.3-17.85m: 5-7% dissem py.
23.3	24.8	1.5	1.5	0			Creamy greenish-grey. Medium grained	Remanent qtz-chlorite	crumbly zones, biggest	17.85-18.8m: 1% py.
24.8	26.3	1.5	1.5	0			porous qtzose sst with numerous crumbly	alt in patches.	at base.	18.8-19.2m: 10-15% py (25%
26.3	27.8	1.5	1.45	0.05			vuggy patches after carbonate.	Some pink colouration-	Abrupt basal contact 40/	core loss).
27.8	29.3	1.5	1.5	0				(garnet &/or carbonate).	LCA.	
29.3	30.8	1.5	1.5	0						
30.8	32.3	1.5	1.5	0	19.2	24	SKARN. Dark green & brown. Med gr.	Intensely altered.	Small fault 20/LCA @	19.2-20.0m: 3-4% pyrite>mag
32.3	33.8	1.5	1.5	0			A variable weakly-banded interval, incl: dark		21.5m. Moderately	coarse dissem & bands 35/LCA.
33.8	35.3	1.5	1.5	0			ferromag-garnet skarn, qtz-chlorite skarn, &		broken to 21.6m. Weak	20.0-22.4m: Minor py (+sp?),
35.3	36.8	1.5	1.5	0			qtz-biotite(+chlorite & garnet) rock after altered		banding 35-40/LCA, incl	except 5-7% py (+sp or cassit) at
36.8	38.3	1.5	1.5	0			qtzose sst.		fine banding 40/LCA	20.85-21.1m. 22.4-24.0m: 1-2%
38.3	39.8	1.5	1.5	0			Some yellowish-green sl leached cb(?) to 21.1m		(after So?) at 20.6m.	py, minor mag & sp. 3-4mm py-
39.8	41.3	1.5	1.5	0					Basal contact abrupt but	sp veinlet 45/LCA @ 23.5m; 2-3
41.3	42.7	1.4	1.4	0					irregular.	mm sp veinlet 80/LCA @ 23.6m
42.7	44.2	1.5	1.5	0						
44.2	45.8	1.6	1.6	0	24	31.15	BIOTITIZED QUARTZOSE SANDSTONE.	Very strong biotitization	Common fine bedding:	24-26.5m: 2% py-sp, in bands //

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DRILL ADVANCE					LITHOLOGY					
From	To	Interval	Recovered	Lost	From	To	DESCRIPTION	ALTERATION	STRUCTURE	MINERALIZATION
45.8	47.3	1.5	1.5	0			Dark brown. Fine-med gr altered sandstone	& patchy qtz-chlorite alt	40/LCA. Graded beddin	So to 5mm, minor po & mag.
47.3	48.8	1.5	1.5	0			with abundant detrital qtz.	(best sp tends to be	fining uphole at 30.2m.	26.5-28.6m: 1% dissem po>py.
48.8	51	2.2	2.2	0				assoc with py in latter.	Small fault 20/LCA at	28.6-30.25m: 1% py>sp & po.
								Po-mag is assoc with	27.7m.	30.25-30.8m: 5% coarse dissem
								biotite).	Basal contact abrupt,	py>>po & sp.
									35/LCA.	30.8-31.15m: 1-2% po-mag>py.
					31.15	32.7	PYRRHOTITE SKARN. Green & brown, hard.	Intensely altered.	Unbroken.	31.15-32.15m: 5-30% po>py.
							Composed mainly of qtz, light green ferromags	Qtz-ferromag alt over-	Basal contact abrupt, 45/	trace cp, dissem. sulphides
							& sulphides (mainly pyrrhotite). Remanent	prints & replaces qtz-	LCA.	decreasing with depth.
							included biotitized qtz sst near both contacts	biotite.		32.15-32.7m: 3% po>py.
							(eg: below 32.1m: bx-like mixture of skarn			
							replacing biotitized sst).			
					32.7	37.4	BIOTITIZED SANDSTONE.	Strong biotitization.	Characteristic streaky	1% py, mainly in patchy dissem,
							Dark grey-brown, massive, unbroken.	Blotchy qtz-chlorite-cb	mineral lineation 40/LCA	some in high-angle fine veinlets.
							Fi-med gr sst, much less siliceous as that	alt, mainly below 35.3m	Basal contact abrupt &	Trace dissem aspy around 35m
							above 31.1m, with fewer detrital qtz grains.		irregular.	& 37m.
					37.4	39.1	CALC-SILICATE. Dark yellow, softish, slightly	Strongly altered.	Crumbly in places	37.4-38.6m: 3-5% patchy dissem
							oxidized & leached carbonate with patches of		Basal contact highly	py>>sp, (15% in 15cm zone at
							fi gr qtz.		irreg & diffuse.	38m). Minor py below 38.6m.
					39.1	51	ALTERED QUARTZ SANDSTONE.	Strong qtz-biotite+-chlor	Largely unbroken.	To 47m: Trace mag, py, po.
							Pale brownish-grey. Hard to very hard.	alt overprinted by patch	43m: bedding 65/LCA,	42.4m: 2mm mag veinlet 50/LCA
							Massive fi-med gr altered qtz sst, becoming	strong qtz-chlor+-cb.	mineral lineation 35/LCA	44.15m: 2x 5mm py-chlor>sp
							harder, more siliceous & increasingly thermally	40.5m: 50mm irreg qtz	in opposite sense.	veinlets 45/LCA.
							metamorphosed with depth - below 47m	vein.		47-51m: patchy 1-2% py>po,
							rock is a hornfels.			mostly dissem, locally 2-3% (eg:
										47.7-48.6m & 50-50.8m).
END OF HOLE										

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