

JERVOIS MINING NL - DRILLHOLE LOG

DRILL ADVANCE					LITHOLOGY					
From	To	Interval	Recovered	Lost	From	To	DESCRIPTION	ALTERATION	STRUCTURE	MINERALIZATION
DRILLHOLE: NC10					Logged by: J.G.Purvis			Date: 18.11.98	Depth: 44.4m	Size: NTW
					Co-ords: 4896N / 5745E (Grid)			RL: 528m (est)	Dip: - 45	Azimuth: 213 AMG
0	0.6	0.6	0.35	0.25	0	0.85	SOIL & OVERBURDEN.			
0.6	1.6	1	0.7	0.3			Unoxidized qtz-biotite hornfels.			
1.6	1.9	0.3	0.25	0.05						
1.9	3.1	1.2	0.9	0.3	0.85	1.5	CLAYEY FINE GRAINED ROCK.	Strongly oxidized.	Very crumbly & broken.	Limonite stains.
3.1	4	0.9	0.9	0			Pale orange-brown. Soft, fi gr qtz-mica rock with small 'spots' of unidentified alteration.	Qtz veinlets to 3mm // lineation at 1m.	Lineation 60/LCA (dips 75 to N).	
4	4.6	0.6	0.6	0						
4.6	5.6	1	1	0						
5.6	6.1	0.5	0.5	0	1.5	13.8	ALTERED QUARTZOSE SANDSTONE.	Patchy oxidation to 5.2m	Badly fractured & broken	Limonite stains on fract to 5m.
6.1	6.8	0.7	0.7	0			Grey to brownish-grey, fi-med gr. A variably altered rock with finely sandy texture & visible detrital qtz grains (rarely to 2mm). Ranges from grey "quartzite" to calc-silicate where strongest altered. Hard to very hard.	Mild silica>biotite> chlorite/actinolite(?) alt (locally strong below 8.5m, with patches of calc-silicate below 10.5m). Weak sericite alt.	to 10.5m (strongest fract to low angle to LCA). Clayey fault(?) 2.7-3.1m. Lineation 60/LCA. Below 11m several zones with strong shearing fabric	Trace to 1% py, & trace sp-gn, dissem, on fract, & in qtz veins. Better sulphides assoc with zones of occasional qtz flooding & veining, sub-// lineation. Largest qtz>py vein 90/LCA at 11.7m.
6.8	7.6	0.8	0.65	0.15						
7.6	8	0.4	0.4	0						
8	8.9	0.9	0.9	0						
8.9	9.6	0.7	0.7	0						
9.6	10.2	0.6	0.6	0						
10.2	11.4	1.2	1.2	0						
11.4	12	0.6	0.6	0						
12	13.3	1.3	1.3	0						
13.3	14.2	0.9	0.9	0	13.8	22.5	SILICIFIED QUARTZ SANDSTONE WITH CALC-SILICATE INTERVALS. Similar to above. Altered grey or brown "quartzite" with creamy calc-silicate zones. Very hard, med gr, often blotchy or weakly lineated.	Strong to intense silif (qtz-flooding & high angle diffuse quartz veinlets). 50% of unit is metasomatized with patches of calc-silicate (0.5-0.7m), or biotite alt (<0.5m).	Mildly fractured in places at all angles. Weakly lineated (cleavage after bedding?). Bedding 55/LCA at 18.5m. Cleavage 80/LCA at 22.2m.	To 20m: Minor to 1% py & trace sp-gn, dissem & on low-angle fract with biotite selvages. 20-22.5m: 2% py, rare sp-gn- aspy, dissem & on fract.
14.2	14.9	0.7	0.7	0						
14.9	16.1	1.2	1.2	0						
16.1	17.7	1.6	1.6	0						
17.7	18.4	0.7	0.7	0						
18.4	18.8	0.4	0.4	0						
18.8	19.6	0.8	0.8	0						
19.6	20	0.4	0.25	0.15						
20	21.1	1.1	1.05	0.05						
21.1	22.6	1.5	1.5	0	22.5	40	SILICIFIED QUARTZ SANDSTONE. "Quartzite"	Strong to intense silica >>sericite-py alteration.	Occasional cleaved & sheared zones, mostly above 27m & apparently parallel bedding:	22.5-26.5m: 2-4% dendritic py. 26.5-32m: 1-2% py, rare sp, gn & aspy, on fract & dissem. 32-35m: Minor py. 35-40m: 1-3% py (3-5% at 39.7-
22.6	23.8	1.2	1.2	0						
23.8	25.3	1.5	1.5	0						
25.3	26.9	1.6	1.6	0						
26.9	27.7	0.8	0.75	0.05						

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DRILL ADVANCE					LITHOLOGY							
From	To	Interval	Recovered	Lost	From	To	DESCRIPTION	ALTERATION	STRUCTURE	MINERALIZATION		
27.7	28	0.3	0.3	0			top margin of sericitic siltstone band 36-36.4m.	Best sericite assoc	Shear 80/LCA 26.3-27m	40m), dissem & on frags.		
28	28.6	0.6	0.6	0				with cleaved/sheared	with qtz veins to 4.5cm.	At 35m: 1cm py band 80/LCA.		
28.6	30.1	1.5	1.5	0				zones. Occasional	Bedding 80/LCA at 36m.			
30.1	31.6	1.5	1.5	0				fuchsite grains. Weak	Mildly fractured & broken			
31.6	33.1	1.5	1.5	0				fuchsite stains 32-36m.	with strongest frags 5-			
33.1	34.4	1.3	1.3	0				Qtz-fluor-musc-py on	20/LCA. Badly broken			
34.4	34.6	0.2	0.2	0				frags 28-32m.	around fault <20/LCA			
34.6	36.1	1.5	1.5	0					at 37.2-37.9m.			
36.1	37.3	1.2	1.2	0								
37.3	37.7	0.4	0.4	0	40	42.5	STRONG FAULT 5-10/LCA. Creamy-grey,	Sericite alt assoc with	Very badly broken (30%	2% py, dissem & on fault planes		
37.7	37.9	0.2	0.2	0			clayey cataclasite with frags of shattered qtz	fault. To 41.5m sst	core loss).	Mostly in the fault rather than the		
37.9	39.1	1.2	1.2	0			sst. Fault centred 40.3-41.5m where qtz sst	frags are qtz-sericite		wallrocks. Minor aspy(?)		
39.1	40.1	1	0.9	0.1			is highly crushed.	alt, while below this		smeared on fault planes.		
40.1	40.6	0.5	0.25	0.25				frags are sericite-				
40.6	41.1	0.5	0.2	0.3				chlorite-biotite altered.				
41.1	41.5	0.4	0.35	0.05								
41.5	42.1	0.6	0.55	0.05	42.5	44.4	FRACTURED & ALTERED QUARTZOSE	Moderately sericitized,	Badly broken by strong	2% py at top, decreasing to		
42.1	43.2	1.1	1.1	0			SANDSTONE. Greenish-grey. Not as	with weaker silica-	frags & small faults,	minor at base. Dissem & in 1-		
43.2	43.8	0.6	0.6	0			siliceous & hard as rock above the fault.	chlorite>biotite alt	mainly 5-10/LCA.	2mm veinlets on stronger frags		
43.8	44.4	0.6	0.6	0				(latter two sometimes	1cm qtz vein 80/LCA at	Minor aspy(?) on frags to 43.5m		
								conc along the frags).	44.05m.			
							END OF HOLE 44.4m					

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