

JERVOIS MINING NL - DRILLHOLE LOG

DRILL ADVANCE					LITHOLOGY					
From	To	Interval	Recovered	Lost	From	To	DESCRIPTION	ALTERATION	STRUCTURE	MINERALIZATION
DRILLHOLE: NC05					Logged by: J.G.Purvis			Date: 4.11.98	Depth: 32.4m	Size: NTW
					Co-ords: 4900N / 5958E (Grid)			RL: 524m (est)	Dip: -43	Azimuth: 213 AMG
0	0.8	0.8	0.2	0.6	0	1.3	SCREE or DUMP MATERIAL. Fragments of leached white quartz sandstone & vein qtz.			
0.8	1.3	0.5	0.1	0.4						
1.3	1.4	0.1	0.1	0						
1.4	1.6	0.2	0.2	0	1.3	3	QUARTZ SANDSTONE. Whitish, med gr, hard.	Oxidized & leached. Silicified.	Mildly broken. Weak cleavage 50/LCA (dips N at 87). At 2.9m: 3.5cm qtz vein 85/LCA.	Minor limonite stains. Remanent py shows rock originally had 5% dissem & microveinlet py.
1.6	1.9	0.3	0.1	0.2						
1.9	3.2	1.3	1.2	0.1						
3.2	3.6	0.4	0.4	0						
3.6	4	0.4	0.4	0						
4	4.7	0.7	0.7	0	3	3.8	SULPHIDIC ZONE. Dark greenish-grey, soft clayey & sericitic non-qtzose rock (altered carbonate?), with pyritic seams.	Partly oxidized. Strong clay-sericite alteration.	Top contact strong fault (high angle, 20cm pug). Bedding 50/LCA. Lower contact irreg, 50-60/LCA	15% py in veins to 2cm, usually sub-// LCA.
4.7	5.5	0.8	0.75	0.05						
5.5	6.2	0.7	0.7	0						
6.2	7.2	1	0.85	0.15						
7.2	8.6	1.4	1.4	0						
8.6	9.4	0.8	0.45	0.35	3.8	8.85	ALTERED QUARTZOSE SANDSTONE	Weakly ox. Silicified.	Crumbly pyritic fault 4.6-4.8m.	Trace to 2% dissem & microveinlet py, except:
9.4	10	0.6	0.25	0.35			BRECCIA. Brownish or greenish-grey, med to coarse gr, hard. Mottled due to numerous spaced clasts of similar sst to 1.5cm.	Weaker biotite-chlorite or sericite alteration.	Lineation 35-60/LCA.	4.6-4.8m: semi-massive py & minor sp-gn, in fault.
10	10.7	0.7	0.7	0						
10.7	11.4	0.7	0.35	0.35				6.2m: 5mm fluor-musc veinlet //LCA. 6.8m: 2cm qtz vein 75/LCA.	Strong fault at base with pug zone 8.8-9.25m (lost water here).	4.8-5.65m: 2-3% py>sp-gn, incl 1cm sp-gn>py vein 25/LCA.
11.4	12.2	0.8	0.1	0.7						
12.2	13	0.8	0.05	0.75						
13	13.6	0.6	0.4	0.2						8.05-8.85m: 5-7% py in clots.
13.6	14.1	0.5	0.5	0						
14.1	14.5	0.4	0.35	0.05	8.85	16.5	FAULTED CALC-SILICATE. Fawn, clayey & sandy altered rock. Composed of quartz, chlorite, epidote, carbonate, biotite, albite and garnet. Carbonate now largely leached (rock is vughy).	Oxidized, bleached & clay-altered. This overprints strong metasomatism (principally silica-chlorite/epidote-carbonate).	Badly fractured & broken. Well banded in places, 70/LCA.	Minor hematite microveinlets & remanent magnetite. No sulphides.
14.5	15	0.5	0.5	0						
15	15.8	0.8	0.75	0.05						
15.8	16.2	0.4	0.35	0.05					6cm qtz vein 60/LCA at 10.2m. Vein qtz frags to 5cm at 13-13.2m.	
16.2	16.5	0.3	0.15	0.15						
16.5	17.3	0.8	0.8	0						
17.3	17.5	0.2	0.2	0						
17.5	18.2	0.7	0.7	0	16.5	21.8	SKARN. Continuation of above zone but metasomatism stronger & largely unoxidized.	Intense metasomatism, metasomatism, mainly silica & chlorite-epidote,	Banding 70/LCA. 2.5cm qtz-py vein at 21.7m, 45/LCA.	17.9-18.7m: 1-2% py, trace sp-gn, in hematite zone.
18.2	19.4	1.2	1.2	0						
19.4	20.8	1.4	0.15	1.25			Dark green to red, variable mottled rock, with			20.8-20.9m: Qtz-chlorite band

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20.8	21.2	0.4	0.4	0			siliceous bands intercalated with zones	with lesser biotite,		65/LCA with 10% dissem py>
21.2	22.7	1.5	1.5	0			dominated by chlorite/epidote (after pyroxene?),	carbonate & garnet.		sp-gn (may have extended from
22.7	23.2	0.5	0.5	0			serpentine or hematite.	Serpentine & hematite		19.5m through possible cavity).
23.2	24.2	1	1	0			Possible cavity (old working?) at 19.5-20.8m	at 17.3-18.7m.		Similar smaller bands &
24.2	25	0.8	0.8	0			(no recovery in good ground).			patches extend 20.9-21.7m.
25	25.7	0.7	0.65	0.05						
25.7	26.6	0.9	0.9	0	21.8	24.9	QUARTZ-BIOTITE HORNFELS. Dark brown,	Strong biotite>	Very weak cleavage 45-	Trace py. Minor dissem mag.
26.6	27.2	0.6	0.55	0.05			hard. After altered silty quartzose sst.	chlorite alteration.	60/LCA.	
27.2	28.7	1.5	1.5	0				Basal 1m is silicified.		
28.7	30.2	1.5	1.5	0						
30.2	30.7	0.5	0.5	0	24.9	26.4	FAULT. Fawny-grey, bleached & broken zone	Clayey & weakly	Badly broken. Some	1% dissem py 25.7-26.1m.
30.7	31.6	0.9	0.9	0			due to fault <15/LCA. Host rock as above.	leached. Silicified	pug esp in basal 30cm.	
31.6	32.4	0.8	0.8	0				25.7-26.1m.	Bedding 70/LCA at 26m	
					26.4	27.2	QUARTZ-BIOTITE HORNFELS. As before.	Biotite>chlorite alt.		2% dissem py. 3.5cm qtz-py
										vein 55/LCA at 26.9m.
					27.2	27.75	QUARTZ-PYRITE VEIN. Upper 20cm true		Upper contact 45/LCA,	5% pyrite.
							vein qtz, rest intense silica replacement of sst		lower 30/LCA.	
							Marks major contact to unit below.			
					27.75	32.4	SILICIFIED QUARTZ SANDSTONE.	Mod to strong silif &	Moderately broken by	1% py, dissem & microveinlets.
							Pale grey, med gr, hard. Becoming very pure	weak sericitization.	fractures 5-10/LCA.	2% sp-gn in fault 29.9-30.1m.
							"quartzite" below fault at 30m.	Weak carbonate-biotite	10cm fault zone at 30m,	
								alteration above 30m.	75/LCA. At 31.2m &	
									31.75m: 2.5cm & 5cm	
									qtz>py veins 70/LCA.	
							END OF HOLE 32.4m			

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