

# JERVOIS MINING NL - DRILLHOLE LOG

DRILL ADVANCE					LITHOLOGY					
From	To	Interval	Recovered	Lost	From	To	DESCRIPTION	ALTERATION	STRUCTURE	MINERALIZATION
DRILLHOLE: NC07					Logged by: J.G.Purvis			Date: 11.11.98	Depth: 27.8m	Size: NTW
					Co-ords: 4908N / 5875E (Grid)			RL: 517m (est)	Dip: -45	Azimuth 213 AMG
0	1.2	1.2	0.1	1.1	0	1.2	SOIL & OVERBURDEN.			
1.2	1.8	0.6	0.25	0.35						
1.8	2.3	0.5	0.1	0.4	1.2	2.3	QUARTZ SANDSTONE. White, fi-med gr, hard. Band of qtz microconglomerate at 2m.	Strongly oxidized. Silicified.	Bedding 30/LCA.	Minor limonite stains.
2.3	3.3	1	0.9	0.1						
3.3	4.8	1.5	1	0.5						
4.8	5.5	0.7	0.1	0.6	2.3	4	CHLORITIC CARBONACEOUS SILTSTONE. Some sandstone & shaley laminae. Dark greenish-black, soft.	Partly oxidized. Chlorite biotite altered with pink carbonate spotting.	Bedding 20-25/LCA. Basal contact 15/LCA (bedding).	Limonite on fractures.
5.5	6.3	0.8	0.8	0						
6.3	7.1	0.8	0.8	0						
7.1	7.8	0.7	0.2	0.5						
7.8	8.5	0.7	0.5	0.2	4	4.8	CONTACT ZONE. 50% above siltstone & 50% creamy leached mineralized qtz sst band.	Carbonate spotting.	Contact 15/LCA.	Mineralized zone has 5-10% dissem py, minor sp-gn.
8.5	9.3	0.8	0.8	0						
9.3	10.3	1	0.4	0.6						
10.3	10.8	0.5	0.4	0.1	4.8	5.9	PYRITIC QUARTZ VEIN. Fractured grey qtz. 0.5m recovered, only 0.1m above 5.5m.		Badly broken. Basal contact sharp, 45/LCA.	20% py>>cp-chalcocite & trace sp-gn-aspery, dissem & in fract.
10.8	12.3	1.5	1.3	0.2						
12.3	12.7	0.4	0.25	0.15						
12.7	13.3	0.6	0.35	0.25	5.9	6.7	SULPHIDIC QUARTZ-CHLORITE-MAFIC SKARN. Hard.	Strongly metasomatized	Banding 25/LCA.	25% dissem & banded py>po.
13.3	13.7	0.4	0.1	0.3						
13.7	15.3	1.6	0.35	1.25						
15.3	15.5	0.2	0.2	0	6.7	7.5	LEACHED QUARTZ-SULPHIDE ROCK. Med gr, sugary textured. After altered qtz sst.	Originally silicified, now vughy & porous.	Very broken. Banding 20/LCA.	15% py>>sp-gn, dissem arranged in bands.
15.5	15.6	0.1	0.1	0						
15.6	16.3	0.7	0.6	0.1						
16.3	16.8	0.5	0	0.5	7.5	10.3	FAULT ZONE. Soft rotten clayey rock flanking interval of flowing black puggy sulphidic sand at 8.5-8.6m. Originally a highly altered non-siliceous rock (carbonate?), banded above 8.5m and coarsely granular below.	Highly oxidized & clay-altered, over-printing strong chlorite-epidote-garnet? alteration.	Soft & crumbly. Banding 10/LCA above 8.5m.	7.5-8.5m: 10% dissem py>sp-gn 8.5-8.6m: 40cm of flowing sand with +25% py, minor sp-gn. 8.6-10.3m: 10% py, minor sp-gn, dissem, +5% from sand above.
16.8	17.3	0.5	0.4	0.1						
17.3	17.6	0.3	0.3	0						
17.6	18.1	0.5	0.5	0						
18.1	19.2	1.1	1.1	0						
19.2	19.8	0.6	0.6	0						
19.8	20.7	0.9	0.3	0.6	10.3	14	HORNFELS. Khaki-green & fawn, very fine & even-grained, siliceous>chlorite-epidote-albite-biotite rock.	Mild alteration, mainly silif-chlorite-epidote. Bleaching along fract	At top: mildly fractured & hard. Becoming broken, leached & cleaved (55/LCA) below 12m.	10.3-11m: 3% dissem po>py. No sulphides below 11m.
20.7	21.1	0.4	0.1	0.3						
21.1	21.3	0.2	0.15	0.05						
21.3	22	0.7	0.6	0.1						

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22	22.4	0.4	0	0.4	14	15.5	FAULT. Rock type change. To 14.5m, khaki-green puggy clay after intensely epidote-chlorite altered, non-siliceous rock. Below 14.5m creamy-grey cataclasite comprising puggy clay with leached quartzose sst frags.			Minor py to 14.5m. Below 14.5m: 2% dissem py, minor sp-gn.
22.4	22.5	0.1	0.1	0						
22.5	22.8	0.3	0.3	0						
22.8	23.3	0.5	0.25	0.25						
23.3	24.2	0.9	0.5	0.4						
24.2	25	0.8	0.7	0.1						
25	25.2	0.2	0.2	0	15.5	16.3	SULPHIDE BAND. Band of semi-massive sp-gn-py in granular quartz-carbonate gangue after altered qtz sst.		Indistinct banding 55-60 LCA.	40-50% sp-gn-py, minor cp.
25.2	26.3	1.1	0.6	0.5						
26.3	27.8	1.5	1.5	0						
					16.3	17	FAULT. Pale grey rotten puggy leached quartz sandstone. Only 0.2m recovered.		Crumbly.	Minor py-sp-gn.
					17	19.65	FRACTURED QUARTZOSE SANDSTONE. Creamy-grey, leached. Originally with slight carbonate content?	Weakly sericitized, esp along fractures / faults. Patchy silicification.	Lineation: 50/LCA. Badly fractured & broken with crumbly fault seams 10/LCA. Fault at base.	1-5% py>sp-gn, dissem in thin vein-like silicified zones & as microveinlets on fract. 1.5cm qtz-py vein 70/LCA at 17.8m.
					19.65	25.2	SULPHIDIC MAJOR FAULT. Largely rubble with much core loss. Centred on cataclasite zone 21-23m. Host rock is quartzose sst.	Clayey, leached & bleached. Patchy silif. Strong sericitization in cataclasite.	Very badly broken with clayey pug & zones of cataclasite with minor frags of vein qtz to 1cm.	19.65-22.5m: 7-10% py>sp-gn, dissem>veinlets to 1cm. 22.5-23.1m: 2% py, minor sp-gn 23.1-24m: 10% sp-gn>py as banded dissem (60/LCA). 24-25.2m: 5-7% dissem py.
					25.2	27.8	QUARTZOSE SANDSTONE. Pale yellowish or greenish-grey, fi-med gr.	Sericitized. Leached, bleached & weakly clay altered.	Less broken than above but still friable with crumbly zones. Weak lineation 35-50/LCA.	2% py, trace sp-gn, dissem & in veinlets on fract 35/LCA (opp sense to lineation).
					END OF HOLE 27.8m					

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