MANCALA PTY LTD A.C.N. 056 204 267 | **DIAMOND DRILL RECORD** | **LSM2**

OBJECTIVE : To test the intersection of Mines Dept hole, DDH1, 1937, as interpreted by D. O'Connor, Tas Tiger Mines, 1993.

RESULT : No significant mineralisation intersected.

DEPTH : 84.4m

HOLE SIZE: TT46

COMMENCED: 16th Feb.1994

COMPLETED: 2nd March1994

Depth	Direction	Dip
0	080.5	+1
5	080.5	+1

1937

FROM	TO	DESCRIPTION	ALT	CD	ROCK TYPE	MINERALISATION
0.0	5.25	Sandstone unit.			sst	
		First 4m: uniform sandstone unit with small quartz veins.				
5.25	9.3	Siltstone - mudstone unit with sandstone interbeds. Slumping features and small veinlets with iron staining. Pyrite associated with the veinlets.			sltst-mst + sst	Pyrite in veinlets.
9.3	12.3	Sandstone unit that grades up into a siltstone unit.			sst-sltst	Pyrite associated.
		Large quartz-iron rich vein at 9.7m. Pyrite asscociated. Siltstone grades out into a fine sandstone at 9.3m. Fine laminations and small quartz veinlets in the sandstone.				
		15cm wide mudstone unit at 11.0m.				Quartz and pyrite also present.
12.3	13.2	Siltstone with sandstone slump features. Small quartz veinlets.			sltst-sst	
13.2	19.55	Sandstone unit with small veins of quartz & pyrite.			sst	Pyrite in quartz veins.
		50cm zone of interbedded siltstone. Quartz and pyrite associated at 18.55m. Graded area at top.				
19.55	20.9	Graded siltstone - sandstone at the bottom. Grades into siltstone with quartz and pyrite veinlets.			sltst-sst	
		At 20m there is a quartz-pyrite zone of veins 3cm wide at 20.9.				Pyrite in quartz veins.
20.9	26.1	Sandstone unit with siltstone interbeds and quartz-pyrite veins. The larger veins are primarily quartz with pyrite selvages.			sst-sltst	Pyrite in quartz veins.
		At 24.7m the veins display a bleached alteration zone. This alteration continues for 1m.	blchd			
26.1	47.3m	Sandstone unit with oxidized zone starts at 26.1m and extends to 32.3m. Within this zone there are small veinlets and one large quartz-pyrite vein at 26.6m.	oxdsd		sst	26.6m Pyrite in quartz vein.
		The core is very broken from 27.3m through to 30.8m.				
		From 29.0m through to 32.3m the oxidation is very pronounced resulting in a brown-red colour to the core.	oxdn			
		At 30.6 - 30.8m there is a 15cm zone of veining. The veins are quartz-pyrite and contain a lot of iron-staining.				30.6-30.8m Pyrite in quartz veins.
		At 30.6m the alteration around the small veinlets continues intermittantly to 36.8m. Within this interval siltstone is also interbedded with the sandstone. The alteration around the veinlets, within the sandstone continues. Small oxidized areas are also present.	blchd			
		At 42.2-42.4m light green (olive) the sandstone becomes totally bleached due to alteration. This bleached zone is 15cm wide.	blchd			
		At 43.7-43.8m a quartz-pyrite rich vein is present and has been oxidized.				43.7-43.8m Pyrite in quartz vein.

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		oxidized.				
		At 42.9-43.3m another bleached zone occurs and is approx. 30cm wide.	blchd			
		At 43.7m a 10cm quartz and pyrite rich zone is present. A lot of veins together.				43.7m 10cm quartz vein + pyrite.
		At 44.3m an oxide zone is present. This zone extends to 44.8m.	oxdn			
		At 44.8-45.9m the sandstone contains veins that have been altered.				
		A broken (fault) zone occurs at 45.9-46.2m.			F	
46.2	47.2	Siltstone unit with quartz and pyrite veining. Some minor oxidation of the pyrite.			sltst	
47.2	47.9	Sandstone unit. First 70cm have been intensely altered. Bleaching around the veins is present throughout.	blchd		sst	
47.9	48.6	*Sheared and annealed quartz veins - in a sandstone with loosely parallel quartz veining.*			S + qtz vns	
48.6	51.4	Grey sandstone with mottles of light grey.			sst	
51.7	56.2	Grey sandstone with small quartz veins both ~ 70° and parallel to core, with oxidized vugs presumably after pyrite. Iron staining on joint faces.			sst	Pyrite relicts.
56.2	58.1	2 bands khaki, bleached massive sandstone at ~40° with a grey sandstone band at 57.1-57.7m. Rim of brown oxide <5mm at start of each band. Oxide on joint faces.			sst	
58.1	63.2	Grey, fine grained massive sandstone/quartzite with occasional small quartz veins with oxidized pyrite vugs. Some fresh pyrite 61.4-62.3m predominance of quartz veining; massive white quartz with small vugs, some after pyrite.			sst-qte	61.4-62.3m Minor pyrite in quartz.
63.2	64.3	Mainly dark grey siltstone with minor sandy bands. Showing signs of shearing 70-80°.			sltst	
		63.2-63.3m quartz filled shear 80 - 90°.			S	
		63.4m. Irregular vein of brecciated sandstone and quartz.			reef	
64.3	82.5	Dominantly grey, fine grained sandstone/qte in several beds, grading to dark grey siltstone/shale down hole. Shaley bands <30cm thick, at 70-80°. Fine quartz veins. <1% disseminated pyrite.			sst-qte	1% dis py.
82.5	84.4	Dark grey fine grained sandstone/quartzite with lighter bands. Occasional fine quartz veins.			sst-qte	
		End of log				