MPI GOLD - DIAMOND DRILLING HEADER SHEET

Hole No : GRD 1	Project : GOLDEN RIDGE	Prospect : BRILLIANT	Tenement : E 12/93	Date : 28/03/95
Contractor : STACPOOLE DRILLING		Logged By : J. Douglas	Survey Method N/S.	
Machine :		Depth : 85.6M.		
Commenced : 28/03/95 ; 9:44 AM.		RL : 500 M R.L.		
Completed : 30/03/95 ; 5:00 P.M.		AMG Grid	Local Grid	
Method : DIAMOND		415578 mN	415578 mN	
		585930 mE	585930 mE	

Other Details :

Depth	Magnetic Bearing	Grid Bearing	Declination
0	116°	130°	-60°

Hole Diameter	From	To	Samples Analysed							
TRI CONE	0	2.3	Sample Numbers		No of	Elements	Date Sent	LAB	Date Received	Date Checked
NQ	2.3	85.6	From	To	Samples					
"	52301	52350	0023	50	50	Au, Cu, Pb, Zn, As	05/04/95	ANALABS-COOKE		
	52351	52358	75	83	8					

7430012

VW/7053*

MPI GOLD DIAMOND DRILL HOLE LOG SHEET

Depth : 0 - 40 | Date Logged : 29/03/95 | Logged By : J. Dugdale | Hole No : GRD 1 | Sheet 1 of 2 | Scale 1: 250

Metres	Texture	Rock Type	Mineralogy and Alteration	Core Angle	Structure	Sulphides	Core Description	Sampling
0 - 2.3							TRICONE TO 2.3M - NO SAMPLE.	0 - 2.3; 2.3 - 3
2.3 - 8.74	FR	SSA -(BRR)	F-Fe 25%, cy	F-Fe: 5°, 30°, 70°	Fr: 25%	Ox	2.35 - 8.74 - Broken core. Oxidized 50-75% around ferruginous fractures in arenite. - Fractures 2cm - 10cm spacing. Ferruginous. <1cm thick.	
8.74 - 14.62	MM	SSA	Mn, cy, Fe (wk).	So: 65°	So. Fr: 5%		8.74 - 11.95 - Massive, med. grained quartz arenite. Weak fractures 5 - 100cm. Some laminated bedding. 11.95 - 14.62 - Moderate clay filled fractures + green clay mineral. Manganese staining.	/m.
14.62 - 15.80	FR	SSA - (BRR)	F-Fe 25%, cy	F-Fe: 10°, 30°, 70°	Fr: 25%	Ox.	14.62 - 15.80 - Network of ferruginous fractures with slight offset. Fe upto 1cm into fracture margin. Weak qtz crystals in vuggy fractures.	
15.80 - 21.70	MM	SSA	Mn, cy, Fe (m)	F-Fe: 5, 20, 60; F-Fe: 60°; q: 10°	Fr: 10%; Fe-q vn (2cm)	ox.	15.80 - 21.70 Massive, grey-green sandstone. Weakly-moderate fractures. Quartz vein in sdst between fracture and ssl contact. Same timing as fracture.	
21.70 - 22.10	FF/SH	SST	F-Fe, cy	So: 75°			21.70 - 22.10 Siltstone layer. Graded, upright bedding with gradational basal contact.	
22.10 - 23.85	Fe/MM	SSA	F-Fe. 10%	Fr: 10, 60			22.10 - 23.85 Fractured sandstone	
23.85 - 28.75	FR	SSA/SST (BRR)	F-Fe 40%, cy, q	F-Fe: 70, 12; q: 68; q: 10°; q: 5°; q: 70 + cy	Fe-q vn (5cm); Fe-q vn 4cm; Fr: 50% + msh; Fe-q vn (2cm); q/ssh	ox; ox.	23.85 - 28.75 Heavily fractured with 2-5cm quartz veins @ 23.85; 24.05; 24.5, 25.0; 26.50; 27.25; 27.75. Clay filled fractures + Fe. Total quartz = 20cm.	
28.75 - 33.80	MM/FR	SSA (BRR)	F-Fe 10%, cy, tr q	q: 60; F-Fe: 30°, 45°; q: 70°	Fe+q vn 3cm; Fe+q vn 3cm; q vn 5cm; Fe,q vn 10cm		28.75 - 33.80. Moderately fractured quartz arenite. Quartz veins @ 30.40; 30.90, 31.5, 33.8 (10cm).	
33.80 - 34.50	BX	SSA/Cy	Cy, Fe (ser?) 40%	Fr: 10, 75	Bx, ssh	as?, ox	33.80 - 34.50. Bleached + altered fault breccia with altered green clay (fg). Trace ferruginous coated sulphides - silver - arsenopyrite?? in marginal rocks.	
34.50 - 38.95	MM	SSA	F-Fe 10%; Tr cy, Fe; bi spots?	Fr: 80°; q: 65; q: 70	T-q: 1cm; q: 1cm	Fresh	34.50 - 38.95 Massive green/grey arenaceous sandstone. Some fine grained layers. Alteration dark spots possibly biotite, due to granite metamorphic effect. Isolated qtz veins @ 35.5; 36.7.	- 38.0; 38.0 - 38.90
38.95 - 39.30	Bx	SST	cy, q	ss/q: 58°	λ q: 10cm, ssh/Bx; So: ~70°		38.95 - 39.30 Siltstone layer at top of med. grained graded sdst bed. Quartz vein and brecciation with clay fug 10cm at the interface.	38.90 - 39.30
39.30 - 40	MM	SSA						39.30 - 40.0

43013

5 cm

MPI GOLD DIAMOND DRILL HOLE LOG SHEET

Depth : 40 - 85.6 | Date Logged : 29/03/95 | Logged By : J. Dugdale | Hole No : GRD 1 | Sheet 2 of 2. | Scale 1: 250

Metres	Texture	Rock Type	Mineralogy and Alteration	Core Angle	Structure	Sulphides	Core Description
40							
41.88	MM.	SSA	tr cy, Fe.	Fr: 15, 65°			39.30 - 41.88 Massive quartzite. Weakly fractured.
42.28	SHW	SST	wk - cy, Fe	So/wsh - 70°	wsh/bx ≈		41.88 - 42.28 Moderately fractured siltstone. Minor clay alt.
	MM	SSG	tr Fe				42.28 - 45.60 Massive, weakly fractured sandstone/wacke
45.60							45.60 - 46.35 Siltstone and sandstone. Moderate fractured. Quartz vein in siltstone layer. Large pale green spots in siltstone. - Cordierite?
46.35	FR	SST/SSA	tr Fe, CT spots x_n				spots
	MM	SSG	tr cy, Fe.	Fr: 50	qva: 3cm wsh/Fr		46.35 - 48.22 Weakly fractured sandstone - wacke
48.22				q: 40 wsh: 55°	qva: 1cm wsh		48.22 - 49.05 Moderately fractured siltstone - green clay
49.05	SHW	SST	cy, tr q, CT? spots x_n				49.05 - 54.93 Weakly fractured sandstone - wacke
50	MM.	SSG ± SST	tr cy, cb, Fe.	Fr 30°, 70°	wk Fr		with siltstone interbeds. Beds 1m - 3m thick
				q: 20, 30	q: 0.5cm		54.93 - 56.00 Siltstone with fine dark spots due to metamorphism
54.93							
56.00	MM (wsh)	SST	Dark spots x_x	wsh: 65 So: 80	wk sh So		56.00 - 65.90 Slightly hornfelsed wacke. Dark metamorphic spots 0.3 - 0.5 cm in diameter in silty layers. Spots ovoid, micaceous, dark with pale petales. Moderately fractured from 61.30. Alteration on fracture margins = green clay.
			Dark CT? spots x_x	Fr: 20	Fr		
60	MM (wFr)	SSG ± SST	tr cy	q: 80	qva (L): 2cm		
					wsh		
			Spots x_x, cy, Fe (wk)	Fr: 20	Fr		
65.90				So: 70°	So		65.90 - 71.22 Siltstone with dark spots (metamorphic). Minor shearing + alteration at contact. Small quartzite band at 67.7m. Moderate shearing at basal contact. Small veinlets with clay + carbonate.
	MM (wsh)	SST ± SSG	Spots x_x. Tr cy, cb.	wsh: 70	wsh		
70				Fr: 45, 20 sc: 40°	Fr, Sl		
71.22				Fr: 40	Fr		71.22 - 75.13 Greywacke with small siltstone layers. Minor qt veins at 74.5m.
	MM	SSG ± SST	CT Spots x_x Tr cy, cb.	wsh/So: 70	wsh		
75.13				q: 20°	qva		75.13 - 82.67. Moderately fractured arkosic sandstone with fine quartz veins. Clay + pyrite, galena? on fractures at 80.5m.
	FR, q	SSA	cy, q, tr py, gn	q: 15° Fr: 15°	qva, Fr		Quartz veins upto 1cm. Open spaced textures. Sulphide coatings = pyrite ± galena?
80				q: 20° q: 40	Fr, qva qva	py, gn?	
82.67	MM / wsh.	SST	tr cy, spots x_x	q: 30, 40°			
83.25	MM.	SSG	spots x_x				
85.60				q: 10	qva		

5 cm

Sampling.
40.0 - 41.0
41.0 - 41.8
41.8 - 42.3
42.3 - 43.0
43.0 -

/M.

-50

A43014

75 -

/M

BB