MPI GOLD - DIAMOND DRILLING HEADER SHEET

Hole No : CRD 2.	Project : COLDEN RIDGE	Prospect : ~~ECKO~~ BRILLIANT	Tenement : E 12/93	Date : 31/03/95	
Contractor : STACEPOOLE DRILLING.		Logged By : J. Dugdale	Survey Method N.S.		
Machine :		Depth : 89.90	Depth	Magnetic Bearing	Grid Bearing	Declination
Commenced : 31/03/95 12:07 PM		RL : 510	0	134°	150	-58°.
Completed :		AMG Grid / Local Grid				
Method : DIAMOND.		415522 mN / " mN				
		583828 mE / " mE				

Other Details :

Hole Diameter	From	To	Samples Analysed							
			Sample Numbers		No of	Elements	Date Sent	LAB	Date Received	Date Checked
TRI CONE	0	2.3	From	To	Samples					
NQ										
	2.30	8.00	52367	52372	6	Au, As, Pb, Zn, As	11/4/95	ALS LABS - TMS (TOOWOOMBA)		
	20.00	48.00	52373	52400	28					
	48.00	64.00	52201	52213	13					
	64.00	65.00	52214	52215	1					
	65.00	89.90	52216	52237	22					

143015

VW/7053*

PI GOLD DIAMOND DRILL HOLE LOG SHEET

Depth : 0 – 20.	Date Logged : 02/04/95	Logged By : J. Dugdale	Hole No : CRD#2.	Sheet 1 of 3.	Scale 1: 250.

Metres	Texture	Rock Type	Mineralogy and Alteration	Core Angle	Structure	Sulphides	Core Description	Sampling
0 – 2.30		NS.					TRICONE TO 2.30M – NO SAMPLE.	2.30–3.00
2.30 – 6.95	FR. –	SSA (BRR)	Fe, cy	fr: 35 q: 25 fr: 25, 70, 40.	msh q: Fr: 30%, Fe		2.30 - 6.95 - Heavily fractured and partially oxidized Arkosic sandstone. Ferruginous coatings on fractures. (after sulphides?) Quartz vein at 3.80m. Shearing on fracture planes with clay pug.	3.00 – /m – 8.00
6.95 – 14.15	MM –	SSA	tr cy, Fe	Fr/wsh: 60 fr: 20°	Fr/wsh: fr:	Ox.	6.95 - 14.15 Massive, unoxidized arkosite. Weakly fractured. Minor shearing on bedding planes.	
14.15 – 20.30	MM -	SST	tr cy, Fe	Fr: 15 fr: 20 Fr: 65° q: 65 fr: 20, 60	Fr + msh: x bedded. qvn/qsh: Fr		14.15 - 20.30 massive, crossbedded siltstone. Minor fractures ~ clay. Quartz vein + moderate shear at 17.9.	
20.30 – 23.45	FR –	SSG	cy, Fe	Fr: 30, 70.	Fr 20% + cy msh		20.30 - 23.45 Fractured, moderately sheared greywacke/siltstone. Clay on fracture surfaces.	20.0 –
23.45 – 24.35	BX	SSA/SST	cy + Fe	ssh/Br: 65°	Bx/sh	py, gn? (tr)	23.45 - 24.35 : Brecciated sandstone angular fragments 0.2 - 1.5cm in clay matrix. Minor fine grey sulphides (galena + pyrite?)	
24.35 – 26.17	FR	SSA + Q	cy, Fe, sil	q: 30 Fr: 60, 25 s: 25	4qvn: 5cm, msh. 4qvn: 3cm Fr: 50%	tr py, gn?	24.35 - 26.17 : Heavily fractured sandstone with Quartz - clay (Fe) veins - laminated. Some darker margins = sulphides?	/m
26.17 – 28.65	MM/FR	SSA	cy, q	q: 25°, 0° q: 45°	qvn qvn		26.17 - 28.65 - Arkosic sandstone with quartz veins and clay alteration on fractures.	
28.65 – 29.55	MM	SST	cy, q, cb	So: 75° q: 38, 80	wsh/So: q, cb	sulphides??	28.65 - 29.55 Siltstone top to graded bed. Parallel quartz carbonate veins (< 1cm). Dendritic growths of dark material (sulphides)	
29.55 – 31.0	MSH.	SSG.	cy, cb, sil.	q, msh: 35° q/msh 65°	q, msh.	tr sulphides	29.55 - 31.0 Greywacke. Bleached and quartz veined with clay alteration in sheared zones	
31.0 – 31.6	WSH.	SST	cy, q, Fe.	q: 70, 70.	q, msh.		31.0 - 31.6 moderately sheared and veined siltstone.	
31.6 – 35.25	FR/WSH.	SSG/SST	cy (ser?), Fe, q, cb	Fr: 35 q/Fr: 40, 60 So: 70	qvn qvn qvn		31.6 - 35.25 Quartz veined and fractured greywacke with siltstone layers. Thicker quartz veins at 32.5, 34.5 (+ carbonate?) Green alteration on fracture margins (= clay?, sericite?)	
35.25 – 36.78	WSH	SST	cy, cb, q	q: 10, 40	qvn		35.25 - 36.78 moderately quartz - cy (carbonate?) veined siltstone. Shearing on margins. Fine grey sulphides?.	
36.78 – 38.20	VN/FR	SSG	sil (q), cy (ser?),	q/sh: 15	ssh/qvn	tr sulphides	36.78 - 38.20. Strongly veined and fractured wacke. Clay alteration in veins.	
38.20 – 38.60	BX	QVN	q, cy, ser	q/ssh: 70	q, ssh	" "	38.20 - 38.60 Brecciated quartz lode + clay alt^n, green sericite?	
38.60 – 40	FR/SH	SSG	cy, ser, Fe - sil	q/msh: 20				

5 cm

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'PI GOLD DIAMOND DRILL HOLE LOG SHEET

Depth : 40 - 80.	Date Logged : 4/04/95	Logged By : J Dugdale	Hole No : GRD 2.	Sheet 2 of 3	Scale 1: 250

Metres	Texture	Rock Type	Mineralogy and Alteration	Core Angle	Structure	Sulphides
	FR/SIL	SSG	q: 2-3%; sil, ser, cy, +/-Fe, cb?	q:30°; q:30°; q:25°; So/wsh:70°; q:30°	qvn: 3cm; qvns: < 5mm; qvn/sh: 10cm; wsh+cy 90; q: 3cm	tr sulphides (ox)
50	FR/SIL	SSG	q, cy, ser, cb - sil; q: 1-5%; q, cy, ser, cl - sil	q:10°; q:15°; q:30°	qvn: 5cm; q: 1-5%; qvn: 5cm; qvns 1-5mm	
55.90 - 57.80	SIL/VN	SST	sil - cb, cy	msh: 70; fr: 70/20; vnq: 30°; So: 75°	msh; qvns	
57.80 - 60.16	MM.	SSG	wk q	qvn: 20°	wk vns (<3mm)	
60.16 - 60.40	MSH	SSC	cy, q, cb	msh: 10°	msh	
60.40 - 64.10	MM.	SSG	wk q	q 30; q: 30°	qvn 3cm	
64.10 - 65.00	FR/VN	SSG.	q, ser ± cy, cb	Fr: 60; q: 40°	qvn 5cm	
65.00 - 66.03	MM.	SSG.	wkq	q: 35		
66.03 - 66.83	FL	SST	wk cy	So: 85°		
66.83 - 68.65	MM/FR.	SSG	Ser - sil	So/wsh: 80	wsh	
68.65	WSH	SST	cy - Ser - q	msh: 70	msh	
70 - 72.65	MM/WSH.	SSG/SST	q ± cb, cy	qvn: 30; So: 71°; fr: 50	q; wsh/fo	
72.65 - 73.05	VN.	SST/Q	Ser, q, cy	q: 5°	qvn: 5cm	Aspy (fine)
73.05 - 73.70	MM/WSH	SSC	hg - cb			
73.70 - 74.20	VN.	SST	Ser, Si, cy			
74.20 - 77.40	SIL.	SSG.	Ser, Sil, cb, q-cb, H.	q: 15; q: 40°	q (+Aspy) 5cm; Hq (Aspy) 15cm	Aspy (fine); q Aspy, vis Au.
77.40 - 80		SSA/Q	sil - q - cb, chl	q/bx: 35	q/bx	Aspy

Core Description

38.60 – 55.90 Variably bleached and sericite altered greywacke with fine quartz - carbonate veins and clay (pug) zones. Significant quartz veins at 42.47m (10cm); 44m (2cm); 40.2 (3cm). Weak oxidized ex-sulphide spots on vein margins. Late-vuggy carbonate - clay veins on quartz vein margins. Intense bleaching and silicification at 45.6-46.3; 51.2 to 53.0 with quartz veining; Quartz veins at 45.6, 49.8, 52.3; 55.0. Fine quartz ± carbonate veins with altered green sericite? + clay margins. Veins generally less than 5mm. Represent 3-5% of the rock. /M

55.90 – 57.80. Siltstone layer. Bleached throughout. Fine fractures parallel to bedding/layering, with clay fill and quartz ± carbonate in open fractures.

57.80 – 60.16 Massive, weakly veined greywacke.

60.16 - 60.40 moderately sheared siltstone with clay pug in fine shear planes. — 61.0

60.40 – 64.10. Massive, weakly veined greywacke. Quartz vein at 61m (3cm) 64–65

64.10 – 65.00 - Fractured, quartz veined, bleached zone. Quartz vein 5cm at 64.20m.

65.00 - 66.03 - Massive, weakly veined greywacke.

66.03 – 66.83 - weakly foliated siltstone. Minor shearing on margin. 68–

66.83 – 68.65 - moderately fractured and bleached greywacke.

68.65 – 69.05 Bleached and altered siltstone weakly veined /M.

69.05 - 72.65 weakly veined and altered greywacke and siltstone. Fractures in siltstone with quartz carb. veins.

72.65 - 73.05 Altered siltstone with Quartz - carbonate vein. Haematite stained, Arsenopyrite in vein 5% (fine)

73.05 - 73.70 moderately veined SSC.

73.70 - 74.20 Bleached siltstone. Fine q - cb veins.

74.20 - 77.40 Bleached wacke. Quartz veins + Aspy at 74.50 5cm; 76.0m (15cm) laminated vein with coarse Aspy + specks of VG Au. Quartz ≈ 5%

77.40 → Qtz/Sil breccia. Jigsaw of silicified arenite frags in qtz with haematite ± aspy.

5 cm

MPI GOLD DIAMOND DRILL HOLE LOG SHEET

Depth : 30 – 89.90	Date Logged : 6/4/95	Logged By : J. Dugdale / C Stirling	Hole No : GRD 2	Sheet 3 of 3	Scale 1: 250.

Metres	Texture	Rock Type	Mineralogy and Alteration	Core Angle	Structure	Sulphides	Core Description
		SSA/Q.	sil-q-ch, chl.		q vns	tr as, gn, sr	
89.90 EOH							

5 cm

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