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GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE RECORD

HOLE NO. :	BT 178
STATE :	TASMANIA

PROJECT	BLUE TIER
DESIGNED BY	A.J. CARTWRIGHT
LOGGED BY	J.W. BEDDOWS
COMMENCED	9/4/84
COMPLETED	26/4/84

PURPOSE

To test possibility of mineralized alkali granite cupola in the area south of Gough's Lode.

LOG SUMMARY

0.0 - 28.0 MODERATELY WEATHERED POIMENA ADAMELLITE.
28.0 - 134.7 WEAKLY ALTERED AND GREISENIZED POIMENA ADAMELLITE.
134.7 - 151.0 WEAKLY TO MODERATELY ALBITIZED POIMENA ADAMELLITE.

GENERAL COMMENTS

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS

LOCATION

NORTHING	36415
EASTING	844490
R.L. (approx)	510
GRID	A.M.G
LENGTH	151.0

HOLE CONDITION

SIZE	
Hole Size	Depth
TRICONE	0.0-4.0
NQ	4.0-30.0
BQ	30.0-151.0

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

Hole open. Approx. 25m. casing down hole.

SURVEY DATA (Note: Bearing type must be same as Project Grid Type)

SURVEY			INTERVAL			VERTICAL		HORIZONTAL		SURVEY			INTERVAL			VERTICAL		HORIZONTAL	
Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total	Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total
119.0		89.5	0.0	119.0		119.0	391												
149.0		90.0	119.0	151.0		32.0	359												

9512965

HOLE NO. BT 178

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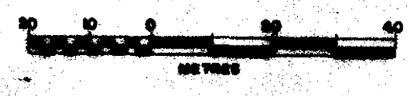
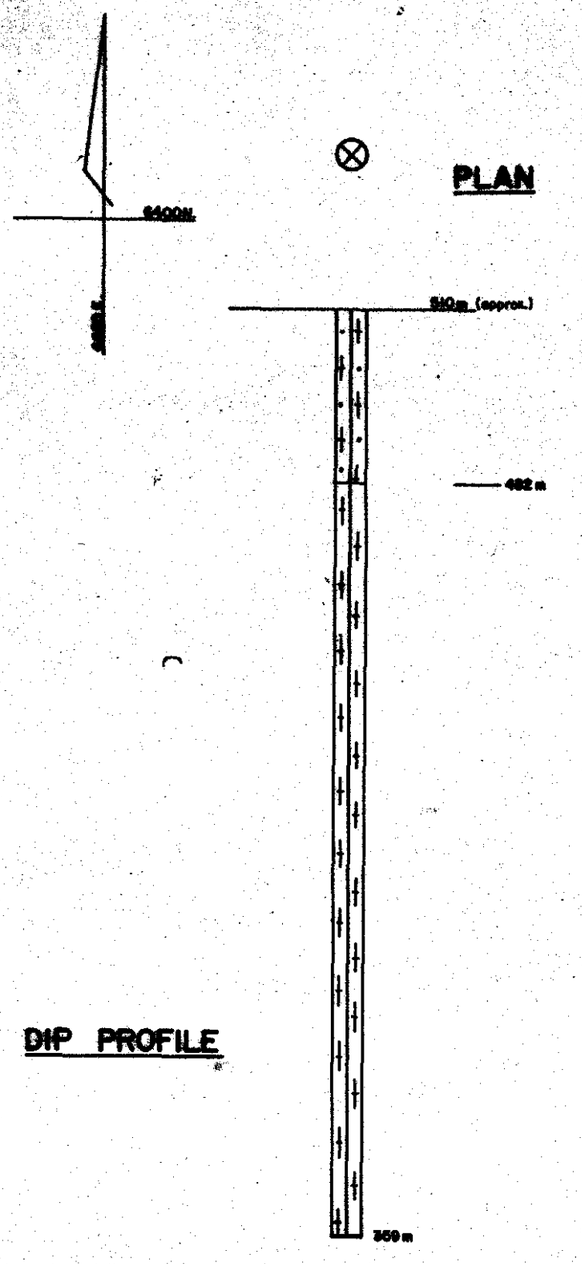
DIAMOND DRILL HOLE PLOT

SCALE 1: 1000





PLAN

DIP PROFILE

657266

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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 178 Page: 1.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION
0.0	28.0			SUMMARIZED LOG
0.0	28.0			MODERATELY WEATHERED POIMENA ADAMELLITE.
28.0	134.7			WEAKLY ALTERED AND GREISENIZED POIMENA ADAMELLITE.
134.7	151.0			WEAKLY TO MODERATELY ALBITIZED POIMENA ADAMELLITE.
				DETAILED LOG
				0.0-28.0 MODERATELY WEATHERED POIMENA ADAMELLITE.
0.0	4.0	0.0	0	Tricone-no core recovered.
4.0	28.0	20.0	71	Moderately weathered, medium grained, porphyritic adamellite with feldspars up to 2.5-3.0cm long. Several thin intersections (5-10cm) are finer grained and apparently richer in biotite; these are probably xenoliths. These xenoliths are located at 7.16m, 17.69 and 26.20m depths.
				28.0-134.7 WEAKLY ALTERED AND GREISENIZED ADAMELLITE.
28.0	67.43	39.43	100	Grey medium grained porphyritic adamellite. Essentially unaltered but there is weak sericitic alteration around joints. Iron staining is also found around joints to 34.0m. Veins often have a weakly greisenized halo of approximately 2-3 cm width. Larger biotite rich xenoliths occur at 58.95 and 64.7m. Thin pegmatite veins up to 2 cm wide are also found in this interval at 60.91 and 65.2m. 66.45-66,80 The intensity of sericitic alteration increases giving rock a green and flakey appearance.
67.43	73.05	5.62	100	Moderately altered and weakly greisenized, green, porphyritic granite. This increase in alteration appears to be due to the proximity of an almost vertical vein about 3mm wide.

ASSAY DATA Sample No.	From	To	Rec. %

19769

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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 178

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA			
From	To	m	%		Sample No.	From	To	Rec. %
				The vein surface is coated with sericite.				
73.05	84.30	11.25	100	Essentially unaltered, medium grained, grey, porphyritic granite. Feldspars are up to 4cm long. Minor green sericite alteration is found as a halo around joints and veins. Several xenoliths are found in the core at 79.30 (This has a 1 cm wide reaction rim) and 82.98m, and are about 8cm long.				
84.30	95.90	11.60	100	This intersection is affected by a nearly vertical vein that cuts the core. Sericitic alteration is increased markedly and several small weakly greisenized zones developed around the vein.				
95.90	131.90	36.0	100	Weakly altered to unaltered grey, porphyritic granite, with feldspars up to 3-4 cm long. Quartz are grey and there is a black biotite also present. The only alteration is minor sericite halos around joints and veins.				
131.90	134.70	2.80	100	Weakly greisenized green-grey, porphyritic granite that also is weakly altered.				
				134.7-151.0 WEAKLY TO MODERATELY ALBITIZED POIMENA ADAMELLITE.				
134.70	149.52			Grey to orangey-red porphyritic granite. This intersection shows an increase in albitic alteration from top to bottom. Firstly the feldspars are becoming a pinky-orange colour and gradually the rock becomes a pinky orange colour.				
149.52	151.0			Quite strongly albitized porphyritic granite. Very orange-red in colour with grey to clear quartz.				
				END OF HOLE 151.0m.				

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