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CORE KEPT IN BURNIE

HOLE NO.: B.T. 163
STATE : TASMANIA

GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE RECORD

PROJECT	BLUE TIER
DESIGNED BY	P.A.ROBERTS.
LOGGED BY	A.J.CARTWRIGHT
COMMENCED	26-8-82
COMPLETED	2-9-82

PURPOSE

To test for the possible existence of un-exposed Alkali Granite in the North Anchor Area.

LOG SUMMARY

0 - 29 WEATHERED MICRO-ADAMELLITE AND POIMENA ADAMELLITE
29 - 88.25 WEAKLY PORPHYRITIC POIMENA ADAMELLITE AND PEGMATITE

GENERAL COMMENTS

88.25-113.7 MODERATELY GREISENISED AKALI GRANITE

ASSAY SUMMARY

INTERVAL From	INTERVAL To	Sn	As	WO_3	Cu	Pb	Zn	Sol.Sn	Ag	Bi				COMMENTS
														All values in ppm.
87.8	113.7	39	22	34	10	10	58	<50	1	63				

LOCATION

NORTHING	6158.7
EASTING	5017.9
R.L.	464.3
GRID	A.M.
LENGTH	113.7

HOLE CONDITION

SIZE

Hole Size	Depth
HAMMER	0-25
BY	25-113.7

SIGNIFICANT CORE LOSS INTERVALS

From	To	% Lost

POOR GROUND CONDITION ZONES

From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

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

SURVEY Depth	SURVEY Bearing	SURVEY Dip	INTERVAL From	INTERVAL To	INTERVAL Distance	VERTICAL D. Sin. Dip	VERTICAL R.L.	HORIZONTAL D. Cos. Dip	HORIZONTAL Prog. Total
0		90.0	0	56.5	56.5	56.5	407.8		
113		88.3	56.5	113.7	57.2	57.2	350.6		

SURVEY Depth	SURVEY Bearing	SURVEY Dip	INTERVAL From	INTERVAL To	INTERVAL Distance	VERTICAL D. Sin. Dip	VERTICAL R.L.	HORIZONTAL D. Cos. Dip	HORIZONTAL Prog. Total

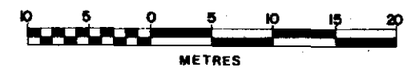
65 7189

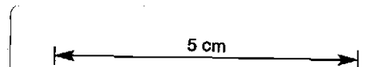
HOLE NO. BT 163

GOLD FIELDS EXPLORATION PTY. LIMITED

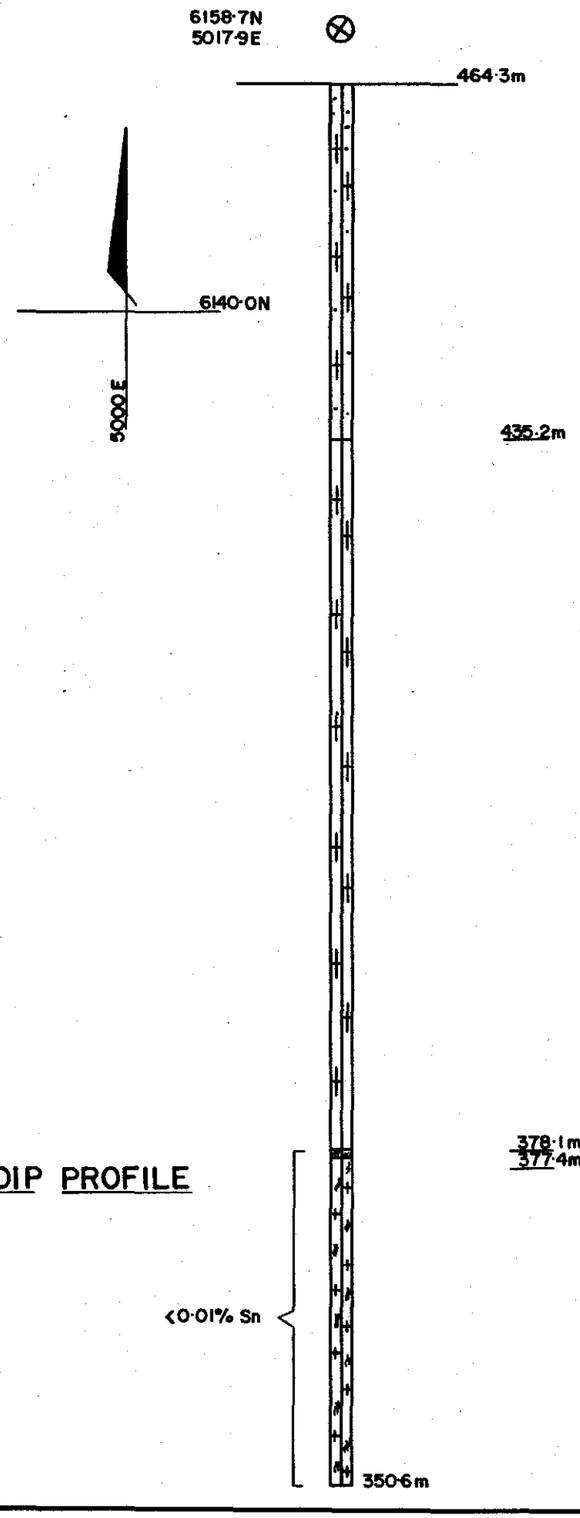
DIAMOND DRILL HOLE PLOT

SCALE 1:





PLAN



DIP PROFILE

657190

GOLD FIELDS EXPLORATION PTY. LIMITED

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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T.163 Page: 1.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION
				SUMMARISED LOG
0	19			MODERATELY WEATHERED MICRO-ADAMELLITE (Dg-fp)
19	29.00			MODERATELY WEATHERED MEDIUM FINE GRAINED POIMENA ADAMELLITE.
29	87.80			MEDIUM GRAINED WEAKLY PORPHYRITIC POIMENA ADAMELLITE. PATCHILY ALTERED AND FRACTURED.
87.80	88.25			PEGMATITE.
88.25				CONTACT.
88.25	113.70			MODERATELY, VARIABLY GREISENISED ALKALI GRANITE.
				DETAILED LOG
				0-19 MODERATELY WEATHERED MICRO-ADAMELLITE.
0	13	13		Brown, fine grained, equigranular, moderately-weakly weathered granite. Numerous small black biotites and hematite stained feldspars-some altered to white clays. Small stained quartz crystals.
				Between 12.0 and 13.0, brown clay rich zone.
13	18	5		Slightly weathered granite, brown, fine grained and slightly porphyritic. Small unweathered feldspar phenocrysts.
18	19	1		Brown-orange clay, with few mineral grains.
				19-29.00 MODERATELY WEATHERED, MEDIUM-FINE GRAINED POIMENA ADAMELLITE.
19	24	5		Medium-fine grained, moderately strongly weathered granite.

ASSAY DATA Sample No.	From	To	Rec. %

65719.1

GOLD FIELDS EXPLORATION PTY. LIMITED

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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 163 Page 2.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %
				Weakly porphyritic. Biotite is altered/weathered to yellow sericite and orange brown limonite. Light yellow-green sericite stains feldspar and quartz. Weathering decreases down hole.				
24.	29.00	5.00	100	Slightly altered and weathered light brown granite. Biotite is more common. Light yellow sericite and pale pink hematitic staining is abundant. In places highly fractured and crumbly.				
				29.00-87.80 ALTERED, WEAKLY PORPHYRITIC POIMENA ADAMELLITE.				
29	30.50	1.50	100	Red-brown granite, weakly fractured with poorly developed yellow sericite - and red-pink feldspars. Fine-medium grained and weakly porphyritic with phenocrysts up to 1.0cm.				
30.50	37.10	6.60	100	Light grey granite with a dull reddish tinge. Weakly porphyritic and medium grained. Pale green sericite patches, numerous small black biotites, small (rarely up to 2.0cm, average 1.0 cm) feldspar phenocrysts and quartz are the minerals present. Very weakly developed fractures with thin yellow sericite coatings.				
37.10	39.50	1.40	70	Crumbly and highly fractured; soil-like, with pervasive pale yellow sericite. Rare biotite (replaced) and pale pink feldspars with quartz are relict.				
39.50	67.70	28.20	100	Grey granite, intact rock with small colourless quartz phenocrysts and biotite clots. Medium grained and weakly porphyritic. Very weakly fractured. At 51.20, a 10cm thick, coarse grained pegmatite at 60° CA.				
67.70	81.50	13.80	100	Medium grained, weakly porphyritic pale pink-green-brown-grey granite. Moderately fractured, and in places highly fractured and crumbly. Sericite (light green) is abundant as fracture coatings and pervasive. Biotite is rare. Quartz veins occur as sinuous, thin, sub-parallel, discoloured (light brown)				

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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T.163 Page: 3.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	Sample No.	From	To	Rec. %	ASSAY DATA (all ppm) Sn	As	WO_3	Cu	Pb	Zn	Sol.Sn	Ag	Bi
				very fine grained-cryptocrystalline features. Patches of highly													
				coloured:- pale pink/light brown-yellow unfractured rock													
				also exist.													
81.50	85.60	4.10	100	Slightly altered pale pink-brown grey granite. Poorly fractured													
				with moderately abundant biotite. Few joints are surrounded													
				by zones (several cm thick) of increased alteration. Medium													
				grained and weakly porphyritic.													
				Between 84.60 and 85.20, 70cm of broken, altered, strongly													
				sericitised pink-green rock.													
85.60	87.80	2.20	100	Grey granite, weakly porphyritic and medium grained with													
				white feldspar phenocrysts averaging 1 cm. Pale green sericite													
				is weakly developed. Unfractured with minor veinlets of quartz													
				and mica. Black book biotites are common.													
				87.80 - 88.25 PEGMATITE													
87.80	88.25	0.45	100	Pegmatitic zone. 10cm of large pink feldspars in fine grained													
				quartz with minor sericitised patches and accessory biotite.													
				Crudely banded. 10cm of coarse and fine grained quartz with													
				light green sericite flakes pseudomorphing biotite.													
				10cm of massive quartz-sericite and clay altered feldspars.													
				Moderately fractured with abundant fluorite coatings. 15cm													
				of crudely banded, orange-green, fine grained quartz with													
				muscovite, sericitised biotite and abundant disseminated													
				fluorite.													
				88.25 CONTACT													
				88.25- 113.70 GREISENISED ALKALI GRANITE.													
					1215	87.8	88.1	100	30	20	30	20	10	70	<50	1	20
88.25	90.50	2.25	100	Granite, medium grained, equigranular and moderately but	1216	89.0	90.0		50	40	30	10	20	100	<50	1	50
				patchily greisenised. A crude banding or layering is produced	1217	89.0	90.0		50	30	70	10	10	100	<50	1	50
				by the two intensities of greisenisation.	1218		91.0		30	20	60	10	10	70	<50	1	50

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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 163 Page: 4.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	Sample No.	From	To	Rec. %	Sn	As	WO_3	Cu	Pb	Zn	Sol.Sn	Ag	Bi
				Pale green:- sericitised biotite poor, rare fluorite, abundant	1219		92.0		40	20	40	10	10	60	<50	1	30
				lime green sericite patches, quartz and muscovite.	1220		93.0	↑	30	10	60	10	10	30	<50	1	30
				Dark green:- sericitised biotite rich, moderately abundant	1221		94.0	100	40	20	30	<10	<10	40	<50	<1	30
				fluorite, muscovite, quartz and no sericite patches.	1222		95.0		60	20	30	<<10	<10	60	<50	<<1	90
				Feldspars are cream and sericitised biotites form large "books"	1223		96.0		40	20	30	<10	<30	50	<50	1	60
				making 0.5cm cubes in places. Fractures are rare. Rapid	1224		97.0		50	20	30	<10	<10	70	<50	1	50
				transitions between the darker and light greisen styles occur.	1225		98.0		40	30	50	<10	<10	90	<50	1	130
					1226		99.0		40	10	20	<10	<10	60	<50	<<1	50
90.50	94.00	3.50	100	Pale green greisened granite. Biotites are almost unaltered,	1227		100.0		60	30	30	<10	<10	140	<50	1	120
				lime green sericite is pervasive. Muscovite is present, fluorite	1228		101.0		50	20	50	<10	<10	100	<50	1	70
				is rare.	1229		102.0		40	20	30	10	10	70	<50	<1	40
					1230		103.0		40	20	20	<10	<10	40	<50	<1	20
94.00	105.30	11.30	100	Alternating pale and dark green greisenised granite; irregularly	1231		104.0		40	20	30	<10	<10	30	<50	1	30
				approximately at 2m intervals. Equigranular and medium grained	1232		105.0		40	10	20	<10	<10	70	<50	<1	40
				with white-cream feldspars and colourless quartz. Fluorite	1233		106.0		50	20	60	<10	<<10	70	<50	1	160
				is absent after 95.20. Unfractured.	1234		107.0		40	20	40	<10	<<10	50	<50	1	120
					1235		108.0		40	30	30	<10	<10	40	<50	1	130
105.30	113.70	8.40	100	Very pale green granite. Incipiently greisenised and slightly	1236		109.0		30	20	30	<10	<<10	30	<50	1	70
				crumbly-highly fractured at 107.50.	1237		110.0		40	30	30	<30	<10	20	<50	1	50
				At 109.50, a 2mm crush zone (0°CA) with white clays and	1238		111.0		30	20	20	<10	<10	30	<50	<<1	150
				rock fragments-crumbly in places. Ends at 111.60. After	1239		112.0		30	30	20	30	<10	30	<50	1	20
				this zone, fracturing in granite increases, becoming filled	1240		113.0		10	10	10	30	<10	30	<50	<1	10
				with white clays. The last 2m of granite is very pale green	1241		113.7		<10	20	20	<<10	10	20	<50	<1	20
				white.													
				END OF HOLE 113.70													

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