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GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE RECORD

HOLE NO. :	B.T. 147
STATE :	TASMANIA

PROJECT	BLUE TIER
DESIGNED BY	P.A. ROBERTS
LOGGED BY	A.J. CARTWRIGHT
COMMENCED	3/6/82
COMPLETED	5/6/82

PURPOSE

To test the possible existence of unexposed Alkali Granite in the Wyiford East Area.

LOG SUMMARY	0-17	WEATHERED POIMENA ADAMELLITE.
	17-84.60	WEAKLY ALTERED POIMENA ADAMELLITE.
	84.60	FRESH ALKALI GRANITE.
GENERAL COMMENTS		

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS

LOCATION

NORTHING	9680.6m
EASTING	3297.8m
R.L.	719.2
GRID	A.M.G.
LENGTH	115.55m

HOLE CONDITION

SIZE	
Hole Size	Depth
HAMMER	0-34m
BY	34-115.55m

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			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
0		-90.0	0	57.5	57.5	57.5	661.70												
115		-89.0	57.5	115.55	58.05	58.04	603.66												

65,7120

HOLE NO. BT 147

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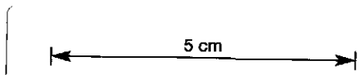
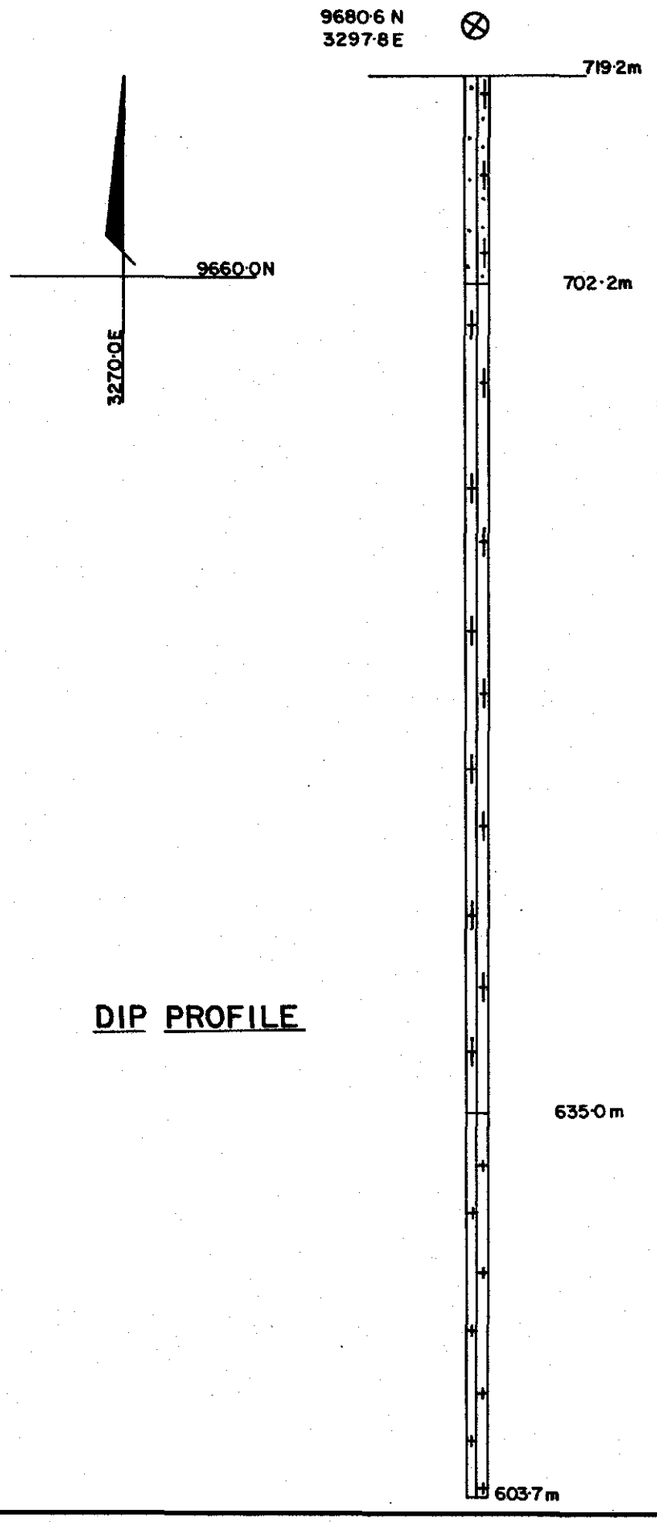
DIAMOND DRILL HOLE PLOT

SCALE 1:



PLAN



DIP PROFILE

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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA			
From	To	m	%		Sample No.	From	To	Rec. %
				SUMMARISED LOG				
0	17			SOIL AND STRONGLY WEATHERED POIMENA ADAMELLITE.				
17	84.60			VARIABLY WEAKLY ALTERED POIMENA ADAMELLITE WITH SEVERAL APLITIC.				
				NUMEROUS PEGMATITIC PHASES.				
84.60	115.55			FRESH AND INCIPIENTLY ALTERED ALKALI GRANITE.				
				DETAILED LOG				
				0-17 SOIL, STRONGLY WEATHERED POIMENA ADAMELLITE.				
0	12	12		Pale brown sand and rock fragments.				
12	17	5		Light brown granite fragments. Feldspars are relatively fresh and muscovite is present red hematite and sericite are rare.				
				17-84.60 PREDOMINANTLY FRESH POIMENA WITH MINOR APLITES AND PEGMATITES.				
17	21	4		White granite fragments. Very-fine crushed.				
21	24	3		Pink chips of feldspar and quartz with minor amounts of biotite and muscovite. A pegmatite.				
24	29	5		Grey granite. Dark brown-black biotites are abundant with large white feldspar phenocrysts. Minor hematite is also present.				
29	40.30	10.30	91	Pink-grey granite. Large pink phenocrysts (up to 3.4cm) of feldspar. Coarse grained, it contains small dark biotites with small grains of yellow sericite and red hematite.				
40.30	40.80	0.50	100	Coarse grained (1cm) pegmatite of very pink feldspar and quartz with accessory yellow sericite.				

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DRILL CORE LOG AND ASSAY DATA

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA			
From	To	m	%		Sample No.	From	To	Rec. %
40.80	48.95	8.15	100	Pinkish-grey granite, porphyritic and coarse grained with numerous pink feldspar phenocrysts. Relatively unfractured it contains minor sericite and hematite, with patches of increased modal biotite. Pegmatites of medium granied quartz and feldspar with sericitised joints occur between 41.85-41.95 and 43.55-43.65.				
48.95	55.50	6.55	100	Greenish-grey fine-medium grained porphyritic granite. Feldspars have a green tinge. Biotite occurs as fine grained flakes. Numerous thin pegmatites and microcrystalline quartz veins form sinuous features. Several fractures coated with sericite occur.				
55.20	55.80	0.30	100	A 2cm thick pegmatite consisting of feldspar with minor quartz and biotite (10° CA) is underlain by an aplite with thin quartz veinlets. The aplite contains very fine grained quartz with minor feldspar and biotite. This is underlain by a 3cm pegmatite.				
55.80	59.20	3.30	100	Pale green-grey granite, with white feldspar phenocrysts and veinlets of pegmatite and aplite.				
59.20	61.80	2.70	100	Pink granite. Porphyritic and coarse grained, with minor hematite and sericite. Gradational contacts above and below.				
61.80	72.60	10.80	100	Green-grey granite. Very porphyritic in places, with large white-green feldspars up to 4cm. Coarse grained and patches of increased medium-coarse grained modal biotite. Fracturing is weakly developed- some are clay coated.				
72.60	78.10	5.50	100	Pale pink-grey coarse-medium grained porphyritic granite. Several thin medium grained pegmatites and quartz veinlets occur. Pink colour is variable, becoming stronger with more abundant hematite. Sericite content is variable. Between 74.20 and 74.50 a pink medium grained pegmatite surrounds a 5cm thick, horizontal muscovite rich, fine grained aplite.				
78.10	84.55	6.45	100	Green-grey granite with pink tinged feldspar phenocrysts. Biotite				

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DRILL CORE LOG AND ASSAY DATA

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA			
From	To	m	%		Sample No.	From	To	Rec. %
				is more abundant than normal. Green sericite is common. Fractures are limonite coated. At 84.50 a 0.5cm layer of coarse grained biotite.				
84.55	84.60	0.05	100	A quartz rick pegmatite, with limonite coated fractures. Micas are uncommon.				
				84.60-115.55 ALKALI GRANITE: PREDOMINANTLY FRESH				
84.60	85.15	0.55	100	Pale green-white, equigranular, non-porphyritic granite. Muscovite rather than biotite is the mica phase. Medium grained.				
85.15	92.65	7.50	100	Variable coloured, bleached white, pale green and orangey-pink granite. The green is due to sericite and an incipiently developing greisenisation, the orangey pink, limonite. Moderately fractured with both limonite and sericite coatings, the fractures are all low CA angles. Between 91.35 and 92.35 a 1cm band (at 0° CA) of strongly sericitised granite surrounded by a 3cm thick zone of strongly, limonitised granite.				
92.65	94.50	1.85	100	Variably coloured, equigranular, medium granied granite with increased fracturing and quartz veinlets (at low CA angles). Granite is fresh.				
94.50	102.75	8.25	100	Alternating (approximately every 0.75m) greenish-white and orange white granite. Very weakly fractured with limonite and sericite coatings.				
102.75	103.35	0.60	100	Orange-white granite, moderately highly fractured with white clay infilling the fractures.				
103.35	107.10	3.75	100	Alternating orangey-white and greenish-white, equigranular, medium grained granite.				
107.10	109.20	2.10	100	Weak orange-white granite with patches of bright green sericite.				

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From	To	m	%		Sample No.	From	To	Rec. %
				Weakly developed fractures with limonite coatings. Between				
				107.50 and 107.80 fracturing increases to strongly fractured				
				with sericite infillings.				
109.20	111.80	2.60	100	Fresh, bleached orangey-white granite. Weakly fractured with				
				a few green sericite patches. Equigranular quartz, feldspar				
				and muscovite with rare single flakes of brown biotite. Non-				
				porphyritic and medium grained.				
111.80	115.55	3.85	100	Slight orange-white granite, weakly fractured in places and				
				strongler in others, with white clays, yellow-green sericite				
				and fluorite as coating minerals. Medium grained and equi-				
				granular.				
				END OF HOLE 115.55m				