HOLE NO. :B.T. 146
STATE :TASMANIA

GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE RECORD

ULV. PRESS

PROJECT	BLUE TIER
DESIGNED BY	P.A. ROBERTS
LOGGED BY	A.J. CARTWRIGHT
COMMENCED	26/5/82
COMPLETED	2/6/82

PURPOSE

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

LOG SUMMARY

0-7 SOIL AND WEATHERED POIMENA ADAMELLITE.
7-96.20 VARIABLY ALTERED AND FINE GRAINED POIMENA ADAMELLITE.

GENERAL COMMENTS

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS

LOCATION

NORTHING	9503.3m
EASTING	3096.8m
R.L.	731.9m
GRID	A.M.G.
LENGTH	96.2m

HOLE CONDITION

SIZE Hole Size	SIZE Depth
HAMMER	0-42.5
BY	42.5-96.2

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	48.0	48.0	48.0	683.9		
96		-89.75	48.00	96.2	48.2	48.2	635.7		

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

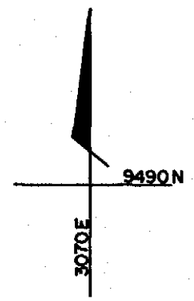
HOLE NO. BT 146

GOLD FIELDS EXPLORATION PTY. LIMITED

DIAMOND DRILL HOLE PLOT

SCALE 1:

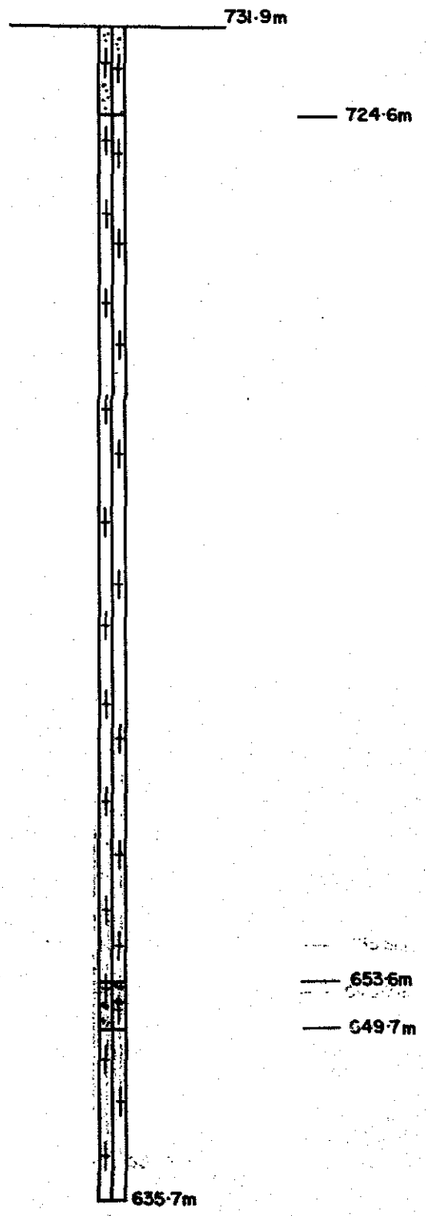
5 cm



DIP PROFILE

9503·3N
3096·8E

PLAN



657114

ULV. PRESS

GOLD FIELDS EXPLORATION PTY. LIMITED

PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 146 Page:1.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA			
From	To	m	%		Sample No.	From	To	Rec. %
				SUMMARISED LOG				
0	7			SOIL, STRONGLY WEATHERED POIMENA ADAMELLITE.				
7	78.25			WEATHERED TO FRESH POIMENA. VARIABLY BUT WEAKLY ALTERED AND UNUSUALLY FINE GRAINED.				
78.25	81.95			PATCHY, WEAKLY DEVELOPED GREISENISED POIMENA WITH NUMEROUS PEGMATITES.				
81.95	96.20			FRESH AND WEAKLY ALTERED FINE GRAINED POIMENA.				
				DETAILED LOG				
				0-7 SOIL AND STRONGLY WEATHERED POIMENA ADAMELLITE.				
0	7	7		Yellow-brown clay containing crystals of quartz, feldspar and biotite, the feldspar weathered to white clays.				
				7-78.25 WEATHERED TO FRESH WEAKLY ALTERED POIMENA.				
7	19	12		Consolidated light yellow-brown clay with abundant fragments of quartz, biotite and feldspar. The biotite is dark-brown-black and the feldspar, weathered to clays which are often several cm. in size.				
19	34	15		Large feldspar, phenocyrsts(up to 3cm.), partially weathered/ altered to white clay, show a pale pink colouration. Quartz forms small phenocrysts, biotite - small dark flakes and pale green, platey sericite together with the pinkening of feldspar becomes more abundant below 37m, grading into the contact below.				
34	42.5	8.5		Light brown-grey granite with fresh unaltered/unweathered feldspar. Green sericite and pink tinged feldspar are common.				

63.1115

GOLD FIELDS EXPLORATION PTY. LIMITED

ULV. PRESS

PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T.146 Page: 2.

INTERVAL		RECOVERY		DESCRIPTION
From	To	m	%	
				Muscovite is absent and biotite forms small black grains.
42.50	43.50	1.0	100	Weakly porphyritic, medium-fine grained pinkish-grey granite.
				Small (2.3cm) pegmatite consisting of layers of quartz
				and feldspar at 49.20m.
				Fracturing with sericite coating the fracture and as a
				replacement mineral becomes more abundant towards lower
				contact.
43.50	44.15	0.65	100	Strongly fractured with clays and iron staining on joints.
				Sericite replacement is common, as are thin pegmatites.
44.15	44.70	0.55	100	Pink-grey, medium grained, weakly porphyritic granite.
				Weakly fractured. Large (4-5cm) "mafic clots" of very
				fine grained biotite dominated rounded xenoliths. Small
				granis of yellow sericite and a quartz veinlet (20°CA)
				at 44.20.
44.70	44.80	0.10	100	10 cm pegmatite consisting of 2 cm crystals of feldspar
				and quartz with rare, small dark biotites.
44.80	46.90	2.10	100	Medium and fine grained pink-grey granite. Porphyritic
				with large feldspar phenocrysts in places. Very weakly
				and unaltered.
46.90	47.10	0.20	100	Fine grained, non-porphyritic version of above. Crudely
				layered.
47.10	50.35	3.25	100	Slightly pink-grey, slightly porphyritic medium to fine
				grained granit. Yellow sericite grains, minor red hematite
				and abundant small dark biotites. Rare fractures are yellow
				sericite clay coated.
50.35	53.60	3.25	100	Medium to dark grey granite. Medium grained and porphyritic,
				with feldspar phenocrysts up to 1.5cm in diameter. Occasional

ASSAY DATA														
Sample No.	From	To	Rec. %											

63116

ULV. PRESS

GOLD FIELDS EXPLORATION PTY. LIMITED

PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 146 Page: 3

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA			
From	To	m	%		Sample No.	From	To	Rec. %
				fractures are sericite coated. Minor yellow sericite replacement				
				of biotite. Coarse grained quartz vein (70° CA), 1cm thick				
				at 50.45m.				
53.60	53.80	0.20	100	Strongly sericitic. The yellow-green mineral is abundant				
				both as a replacement alteration and as a fracture coating.				
53.80	56.90	3.10	100	Slightly pink-grey granite. Fine-medium granied, weakly				
				porphyritic and only slightly fractured. Slickensides				
				developed.				
56.90	59.90	3.00	100	Loss of pink colouration. Small, mafic xenoliths (up to				
				1cm diameter) - rounded, micaceous. Fractured, but no mineral				
				coatings.				
59.90	60.10	0.20	100	Increase in pink colour. Offset by decrease in modal biotite.				
				This surrounds a 2cm wide (20°CA) zone of strongly altered				
				granite.				
60.10	71.20	11.10	100	Grey granite. Medium-fine grained and slightly porphyritic.				
				Yellow-green sericite replacing some micas and feldspars,				
				also occurs as a fracturing coating. Rare large (3-4cm)				
				mafic xenoliths.				
71.20	73.85	2.65	100	Grades from above into pink granite. Hematite becomes				
				common and biotite rare. Fracturing increases slightly.				
73.2	77.25	3.40	100	Loss of pink colour and hematite. Medium-fine grained,				
				weakly porphyritic, light grey granite. A 2cm thick, coarse				
				grained quartz-feldspar pegmatite occurs at 76.20.				
77.25	78.25	1.00	100	Pink-grey granite. Moderatley fractured with clays developed				
				on fractures. Minor hematite present.				
				78.25-81.95 VARIABLY, OCCASIONALLY STRONGLY ALTERED AND				
				INCIPIENTLY GREISENISED PORPHYRITIC ADAMELLITE WITH NUMEROUS PEGMATITES				

63.11.69

GOLD FIELDS EXPLORATION PTY. LIMITED

ULV. PRESS

PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 146

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA			
From	To	m	%		Sample No.	From	To	Rec. %
78.25	79.20	0.95	100	Moderately altered pink granite. Moderately fractured with yellow-green sericite replacement common. Fine-grained with fine-medium grained hematite abundant. Many thin (2cm, and 1cm) pegmatites of quartz and feldspar.				
79.20	79.30	0.10	100	Weakly greisenised granite. Original textures preserved. Green sericite is pervasive with a minor pink colouration.				
79.30	81.95	2.65	100	Mixed fine and coarse grained pegmatite with clots of muscovite, abundant sericite, large pink feldspars and quartz. Fractures are few and biotite is rare.				
				81.95-96.20 FRESH AND WEAKLY ALTERED FINE GRAINED POIMENA ADAMELLITE.				
81.95	82.75	0.80	100	Fine-medium grained pink granite with a 2cm thick pegmatite at 82.10, consisting of quartz and phenocrysts of ?tourmaline.				
82.75	84.65	1.90	100	Coarse and fine grained pegmatite. Minor amounts of sericite, muscovite and biotite. Large feldspar phenocrysts are common.				
84.65	85.60	0.95	100	Pink-grey fine grained granite, occasionally reddish, due to hematite. Patches of fine and coarse grained pegmatite.				
85.60	89.00	3.40	100	Pink medium grained quartz granite. Very weakly porphyritic with rare, large (2cm) feldspar phenocrysts. Biotite occurs as small, black flakes. Weakly fractured with sericite coatings. Occasional thin pegmatites (3-4 cm).				
89.00	91.60	2.60	100	Slightly pink medium grained granite. Slightly more porphyritic feldspar phenocrysts are more abundant. Large grains of yellow sericite are present with minor muscovite. Biotite is common. Unfractured a 1cm thick vein (80°CA) of sericite and chlorite in a quartz cement, at 90.87.				

GOLD FIELDS EXPLORATION PTY. LIMITED

ULV. PRESS

PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 146 Page: 5.

INTERVAL		RECOVERY		DESCRIPTION
From	To	m	%	
91.60	95.00	3.40	100	Grey fine grianed granite. Porphyritic and unfractured it is biotite rich. Between 93.75 and 94.65, a 2 mm quartz vein (0° CA) surrounded by a very fine grained, grey, muscovite rich silicified zone 5cm wide.
95.00	96.20	1.20	100	Weak pink increasing to strongly pink granite. With increasing pink colour a reduction in modal biotite. Sericite is common and increases as a coating when fracturing increases with depth.
				END OF HOLE 96.20m

ASSAY DATA			
Sample No.	From	To	Rec. %

65711 9