CORE IN BURNIE

HOLE NO. :	B.T. 175
STATE :	TASMANIA

ULV. PRESS

GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE RECORD

PROJECT	BLUE TIER
DESIGNED BY	A.J. CARTWRIGHT
LOGGED BY	A.J. CARTWRIGHT
COMMENCED	25-8-83
COMPLETED	30-8-83

PURPOSE

To find stanniferous greisen in the North Anchor Area.

LOG SUMMARY / GENERAL COMMENTS

Quite strongly altered and greisened Alkali Granite was encountered at 30.3 under a well developed pegmatite. Molybdenite and fluorite were observed. The degree of alteration lessened with depth. Significant assays are recorded below.

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS
28.0	95.0													No significant Sn, Cu, Ag or Mo.

LOCATION

NORTHING	5435976
EASTING	585139
R.L.	392.0
GRID	A.M.G.
LENGTH	101.0

HOLE CONDITION

SIZE	
Hole Size	Depth
TRICONE	0.0-27.0
BQ	27.0-101.0

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

Hole open, with a black polythene marker.

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
0.0		90.0	0.0	24.1	24.1	24.1	367.9	0.0	0.0
48.2	124	87.5	24.1	101.0	76.9	76.8	291.1	3.4	3.4

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

6541251

HOLE NO. **BT 175**

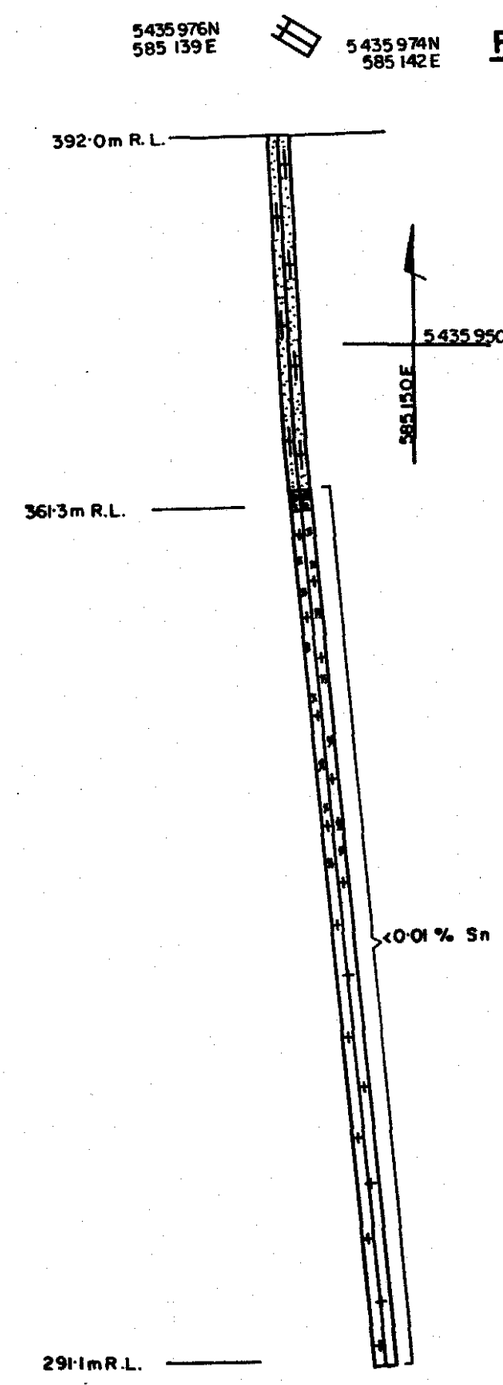
GOLD FIELDS EXPLORATION PTY. LIMITED

DIAMOND DRILL HOLE PLOT

SCALE 1:

5 cm

PLAN



DIP PROFILE

65725 2

ULV. PRESS

GOLD FIELDS EXPLORATION PTY. LIMITED

PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 175 Page: 1.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA												
From	To	m	%		Sample No.	From	To	Rec. %									
				SUMMARISED LOG													
0.0	30.3	29.7		WEAKLY WEATHERED AND ALTERED, MEDIUM GRAINED POIMENA ADAMELLITE.													
				A THICK PEGMATITE UNDERLIES THIS GRANITE.													
30.3				CONTACT.													
30.3	101.0	70.7		PATCHILY BUT OVERALL MODERATE TO STRONGLY ALTERED ALKALI GRANITE,													
				WHICH BECOME LESS ALTERED WITH DEPTH.													
				DETAILED LOG													
				0.0-30.3 WEAKLY WEATHERED AND ALTERED, MEDIUM GRAINED POIMENA													
				ADAMELLITE WITH A LARGE BASAL PEGMATITE.													
0.0	27.0	27.0		Tricone, no core recovered. Probably weathered adamellite.													
27.0	28.8	1.2	67	Brown, weathered medium grained, weakly porphyritic granite.													
(27.0-28.0, 0.4m recovered)				Highly fractured and weakly altered. Crumbly zones of rock													
				fragments occur.													
				After 28.0, the rock is unweathered with several thin (approx.													
				10cm thick) aplitic and alkali granite intrusions. The granite													
				is moderately altered and unfractured and pale grey in colour.													
28.8	30.3	1.5	100	A 0.7m thick, very coarse grained (several cm) white pegmatite													
				of feldspar occurs. Accessory phases are fine grained colourless													
				quartz and green sericite bands.													
				This is underlain by 0.4m of dark grey-green silicified granite													
				with abundant green sericitised feldspars and micas. This is													
				underlain by 15cm of quartz, which is underlain by 15cm of													
				coarse-medium grained granite (pegmatitic)-weakly sericitised.													
				A 10cm thick pale yellow aplite occurs beneath this.													
30.3				CONTACT.													

6325

ULV. PRESS

GOLD FIELDS EXPLORATION PTY. LIMITED

PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 175

INTERVAL		RECOVERY		DESCRIPTION
From	To	m	%	
				30.3-101.0 MODERATELY TO STRONGLY ALTERED ALKALI GRANITE.
				ALTERATION RANK DECREASES WITH DEPTH.
30.3	33.1	2.8	100	Moderately altered and greisened alkali granite. Green-grey in
				colour and unfractured. All mica phases are replaced with green
				sericite.
				At 32.2, a 10cm thick aplite-pegmatite complex occurs.
33.1	38.2	5.1	100	Pale yellow,weakly altered, sericitised alkali granite.
				Medium grained and equigranular, with several yellow-sericite
				filled fractures. Micas are still all replaced.
38.2	39.5	1.3	100	From above, the granite gradually becomes darker green and overall
				strongly altered. Pale brown and dark green sericite are common,
				and disseminated molybdenite and fluorite occur. Both feldspars
				and micas are replaced.
39.5	45.3	5.8	100	Weakly altered, paler green-grey alkali granite. Only the micas
				have been sericitised. Unfractured.
45.3	51.3	6.0	100	Variably altered alkali granite. Predominantly dark green and
				moderately strongly altered and silicified, with patches of weaker
				altered granite and patches of pale yellow-cream bleached granite.
				In places, strongly fractured, with a blocky fracture developed.
				The darker, more intense alteration zones surround poorly
				developed quartz veins.
51.3	59.7	8.4	100	Moderately and uniformly altered, greisened alkali granite. Green-
				grey and rarely fractured, some with sericite infillings. All
				micas and some feldspars are altered and replaced. This alteration
				state grades into the one below.
59.7	95.7	36.0	100	Weakly altered alkali granite. Pale green-cream in colour and
				rarely fractured. Some sericite infilled fractures occur. The
				micas have been partially replaced with dark green sericite. This

ASSAY DATA (ppm)							
Sample No.	From	To	Rec. %	Sn	Ag	Cu	Mo
6058	28.0	29.0	100	40	<1	5	30
6059	29.0	30.0	100	20	<1	5	<10
6060	30.0	31.0	100	30	<1	5	<10
6061	31.0	32.0	100	30	<1	5	90
6062	32.0	33.0	100	20	<1	5	10
6063	33.0	34.0	100	20	<1	10	<10
6064	34.0	35.0	100	30	<1	15	<10
6065	35.0	36.0	100	20	<1	10	10
6066	36.0	37.0	100	30	<1	5	<10
6067	37.0	38.0	100	20	<1	15	<10
6068	38.0	39.0	100	40	<1	5	130
6069	39.0	40.0	100	40	<1	5	240
6070	40.0	41.0	100	40	<1	5	120
6071	41.0	42.0	100	50	1	5	60
6072	42.0	43.0	100	50	<1	5	140
6073	43.0	44.0	100	50	<1	10	110
6075	45.0	46.0	100	30	2	10	10
6076	46.0	47.0	100	40	3	10	10
6077	47.0	48.0	100	30	2	20	<10
6078	48.0	49.0	100	70	<1	5	10
6079	49.0	50.0	100	50	1	5	10
6080	50.0	51.0	100	50	1	5	20
6081	51.0	52.0	100	50	1	5	10
6082	52.0	53.0	100	30	<1	5	10
6083	53.0	54.0	100	30	<1	5	<10
6084	54.0	55.0	100	40	<1	5	10
6085	55.0	56.0	100	30	<1	5	<10
6086	56.0	57.0	100	40	<1	5	20
6087	57.0	58.0	100	30	<1	<5	10
6088	58.0	59.0	100	50	<1	<5	10
6089	59.0	60.0	100	50	<1	5	10
6090	60.0	61.0	100	30	<1	<5	30
6091	61.0	62.0	100	40	<1	5	<10
6092	62.0	63.0	100	40	<1	5	10

65725A

ULV. PRESS

GOLD FIELDS EXPLORATION PTY. LIMITED

PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 175 Page: 3.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA (ppm)													
From	To	m	%		Sample No.	From	To	Rec. %	Sn	Ag	Cu	Mo						
				alteration style is slightly more variable than above, with	6093	63.0	64.0	100	50	<1	<5	10						
				patches of darker, slightly more altered granite, and pale cream	6094	64.0	65.0	100	40	<1	<5	30						
				unaltered zones.	6095	65.0	66.0	100	40	<1	5	20						
				At 82.4, 86.1, 87.0, fractures with sericite-fluorite infillings	6096	66.0	67.0	100	40	<1	5	20						
				occur.	6097	67.0	68.0	100	40	<1	<5	10						
				Overall, the green colour and degree of alteration decrease with	6098	68.0	69.0	100	40	<1	<5	50						
				depth.	6099	69.0	70.0	100	40	<1	<5	<10						
					6100	70.0	71.0	100	40	<1	<5	10						
95.7	101.0	5.3	100	Unaltered, cream-grey alkali granite. Equigranular, medium grained	6101	71.0	72.0	100	30	<1	<5	10						
				and unfractured. A gradational contact with the above unit occurs.	6102	72.0	73.0	100	40	<1	5	10						
					6103	73.0	74.0	100	30	<1	<5	<10						
				END OF HOLE 101.0	6104	74.0	75.0	100	40	<1	<5	<10						
					6105	75.0	76.0	100	40	<1	<5	50						
					6106	76.0	77.0	100	40	<1	<5	<10						
					6107	77.0	78.0	100	30	<1	<5	110						
					6108	78.0	79.0	100	40	<1	<5	120						
					6109	79.0	80.0	100	30	<1	<5	20						
					6110	80.0	81.0	100	40	<1	<5	10						
					6111	81.0	82.0	100	40	<1	<5	90						
					6112	82.0	83.0	100	40	<1	<5	40						
					6113	83.0	84.0	100	30	<1	<5	20						
					6114	84.0	85.0	100	40	<1	<5	30						
					6115	85.0	86.0	100	30	<1	<5	30						
					6116	86.0	87.0	100	30	<1	<5	40						
					6117	87.0	88.0	100	30	<1	<5	20						
					6118	88.0	89.0	100	40	<1	<5	10						
					6119	89.0	90.0	100	40	<1	<5	10						
					6120	90.0	91.0	100	30	<1	<5	10						
					6121	91.0	92.0	100	30	<1	<5	<10						
					6122	92.0	93.0	100	40	<1	5	<10						
					6123	93.0	94.0	100	30	<1	<5	<10						
					6124	94.0	95.0	100	30	<1	<5	<10						

65725