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CORE IN BURNIE

HOLE NO.: B.T. 173
STATE : TASMANIA

GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE RECORD

PROJECT	BLUE TIER
DESIGNED BY	A.J. CARTWRIGHT
LOGGED BY	A.J. CARTWRIGHT
COMMENCED	17-8-83
COMPLETED	19-8-83

PURPOSE

To find stanniferous greisen in the North Anchor Area.

LOG SUMMARY	Weakly altered Poimena Adamellite is underlain (at 88.0m) but weakly altered Alkali Granite.
GENERAL COMMENTS	

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS
88.0	139.5													No significant tin. (i.e. <0.01%Sn)

LOCATION

NORTHING	5436112
EASTING	584928
R.L.	447.9
GRID	A.M.G.
LENGTH	139.5

HOLE CONDITION

SIZE Hole Size	SIZE Depth
TRICONE	0.0-28.0
BQ	28.0-139.5

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	276	55.0	0.0	22.6	22.6	18.5	429.4	13.0	13.0
45.2	277	57.0	22.6	66.2	43.6	36.6	392.8	23.8	36.8
87.2	278	57.0	66.2	111.2	45.0	37.7	355.1	24.5	61.3
135.2	278	57.0	111.2	139.5	28.3	23.7	331.4	15.4	76.7

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

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HOLE NO. **BT 173**

GOLD FIELDS EXPLORATION PTY. LIMITED

DIAMOND DRILL HOLE PLOT

SCALE 1:

5 cm

447·9 m R.L.

412·7 m R.L.

372·8m R.L.

331·4 m R.L.

5436 112N
584 928E

5436 100N

584 900E

PLAN

5436 122N
584 852E

DIP PROFILE

<0·01 % Sn

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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				
0.0	88.0	88.0		MEDIUM GRAINED, WEAKLY PORPHYRITIC POIMENA ADAMELLITE OVERALL				
				UNALTERED WITH ZONES OF INCREASED ALTERATION AND FRACTURING.				
88.0				CONTACT				
88.0	139.5	51.5		MEDIUM GRAINED, EQUIGRANULAR ALKALI GRANITE. MODERATELY GREISENED				
				AT FIRST, THEN WEAKLY ALTERED.				
				DETAILED LOG				
				0.0-88.0 WEAKLY ALTERED MEDIUM GRAINED POIMENA ADAMELLITE.				
0.0	29.0			Tricone, no core recovered.				
29.0	41.2	12.2	100	Medium grained, weakly porphyritic granite with rare feldspars				
				up to 1.5cm across. Pinkish grey, unaltered and weakly fractured,				
				the top 1.4m is weakly weathered with limonite stained joints.				
				Becomes slightly more altered with depth.				
41.2	44.7	3.5	100	Pale pink, moderately altered aplitic granite. Fine grained				
				and non-porphyritic with hematitic-sericitised feldspars, quartz				
				and a few unaltered biotites. Several quartz-sericite veinlets				
				are surrounded by a 10-20cm thick zone of dark grey silicification				
				(All at 30° CA).				
				Between 44.0 and 44.7, a mildly brecciated sequence of quartz				
				and pale brown sericite, mainly as veins, with a patch of				
				soft, sericitised granite (medium grained).				
44.7	65.5	20.3	98	Red-pink, medium grained, very weakly porphyritic granite.				
				Highly altered in places with pervasive sericite producing				
				a very soft-clay rock. The sericite in these patches (approx.				
				1.0m long) is pale green. Overall, moderately altered granite.				
				20-30cm thick zones of dark grey silicification surround				

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DRILL CORE LOG AND ASSAY DATA

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA (ppm) Sample No.	From	To	Rec. %	Sn
				quartz-muscovite veins at approx. 30° CA. Altered zones are					
				crumbly, otherwise fracturing is moderate.					
				At 45.8, 0.9m of green sericitised granite.					
53.7	57.2	(3.0m core recovered)		At 51.5, a 30cm thick pale pink aplite. Very fine grained.					
				At 57.2, a 70cm thick intrusion of dark green, fractured greisened alkali granite. A 20cm, intrusion also occurs at 59.1.					
				Small pegmatitic/aplitic complexes are developed on the contacts and the larger intrusion containing abundant sericite and accessory fluorite.					
				The degree of alteration and redness decreases below this to grade into the unit below.					
65.5	87.5	22.0	100	Grey, medium grained, weakly porphyritic granite. Several thin (5cm) pegmatites and aplites occur, as do thin (10cm) crumbly, sericitised zones and thin (10-20cm) silicified (dark grey) zones surrounding quartz veinlets. In places, the granite becomes fine grained (Dg-fp)but this is an irregular relationship. Overall unaltered and incipiently fractured. At 82.0, the pink (hematitic) colouration returns.	5498	88.0	89.0	100	10
					5499	89.0	90.0	100	10
					5500	90.0	91.0	100	10
					5524	91.0	92.0	100	20
					5525	92.0	93.0	100	10
					5526	93.0	94.0	100	20
					5527	94.0	95.0	100	30
					5528	95.0	96.0	100	40
87.5	88.0	0.5	100	A coarse grained pegmatite, consisting of pale pink feldspar, colourless quartz and dark green sericitised micas, all very coarse grained.	5529	96.0	97.0	100	60
					5530	97.0	98.0	100	30
					5531	98.0	99.0	100	30
					5532	99.0	100.0	100	20
88.0				CONTACT	5533	100.0	101.0	100	20
					5534	101.0	102.0	100	30
				88.0-139.5 VARIABLY BUT WEAKLY ALTERED AND GREISENED ALKALI GRANITE.	5535	102.0	103.0	100	30
					5536	103.0	104.0	100	30
					5537	104.0	105.0	100	30
88.0	88.8	0.8	100	Medium grained, equigranular, weakly altered alkali granite with a finer grained, more altered, banded (at 50° CA) sequence. Unfractured.	5538	105.0	106.0	100	20
					5539	106.0	107.0	100	20
					5540	107.0	108.0	100	20
					5541	108.0	109.0	100	20
88.8	106.0	18.2	100	Variably but overall weakly altered alkali granite. Predominantly, pale green-cream in colour and only slightly altered, with	5542	109.0	110.0	100	20
					5543	110.0	111.0	100	20

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DRILL CORE LOG AND ASSAY DATA

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION
				patches up to 1.5m long of dark green greisened granite. Unfractured.
106.0	139.5	33.0	99	Very weakly altered, pale cream alkali granite with green (dark) sericitised micas. Unfractured.
(118.8-122.3,3.0m recovered)				At 112.0, 10.3m of fractured granite. Sericite (pale green-white) occurs as fracture infillings. No increase in alteration occurs.
				Below this fractured zone, the granite becomes slightly more green, with slightly more sericite replacing micas.
				Between 133.0 and 139.5, the sericite filled fractures return, producing a more incompetent rock.
				END OF HOLE 139.5m.

ASSAY DATA (ppm)

Sample No.	From	To	Rec. %	Sn
5544	111.0	112.0	100	10
5545	112.0	113.0	100	20
5546	113.0	114.0	100	20
5547	114.0	115.0	100	10
5548	115.0	116.0	100	10
5549	116.0	117.0	100	10
5550	117.0	118.0	100	20
6001	118.0	119.0	100	20
6002	119.0	120.0	100	20
6003	120.0	121.0	100	20
6004	121.0	122.0	100	20
6005	122.0	123.0	100	20
6006	123.0	124.0	100	10
6007	124.0	125.0	100	20
6008	125.0	126.0	100	10
6009	126.0	127.0	100	20
6010	127.0	128.0	100	10
6011	128.0	129.0	100	20
6012	129.0	130.0	100	20
6013	130.0	131.0	100	20
6014	131.0	132.0	100	20
6015	132.0	133.0	100	20
6016	133.0	134.0	100	20
6017	134.0	135.0	100	20
6018	135.0	136.0	100	<10
6019	136.0	137.0	100	<10
6020	137.0	138.0	100	<10
6021	139.0	139.5	100	<10

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