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GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE RECORD

HOLE NO.	B.T. 177
STATE	TASMANIA

PROJECT	BLUE TIER
DESIGNED BY	A.J. CARTWRIGHT
LOGGED BY	A.J. CARTWRIGHT
COMMENCED	7-9-83
COMPLETED	15-9-83

PURPOSE

To test for unexposed Alkali Granite in the Ransome River Area.

LOG SUMMARY	Unaltered Poimena Adamellite was encountered over the entire length of this hole.
GENERAL COMMENTS	

ASSAY SUMMARY

INTERVAL From	INTERVAL To													COMMENTS

LOCATION

NORTHING	5437796
EASTING	584398
R.L.	687.7
GRID	A.M.G.
LENGTH	200.0

HOLE CONDITION

SIZE	
Hole Size	Depth
TRICONE	0.0-3.0
BQ	3.0-200.0

SIGNIFICANT CORE LOSS INTERVALS		
From	To	% Lost

POOR GROUND CONDITION ZONES		
From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

Hole left open with a black polythene marker.

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

SURVEY			INTERVAL			VERTICAL		HORIZONTAL	
Depth	Bearing	Dip	From	To	Distance	D. Sin. Dip	R.L.	D. Cos. Dip	Prog. Total
0.0	-	90.0	0.0	51.0	51.0	51.0	636.7		
102.0	-	89.0	51.0	150.0	99.0	99.0	537.7		
198.2	-	88.5	150.0	200.0	50.0	50.0	487.7		

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

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HOLE NO. **BT 177**

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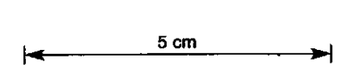
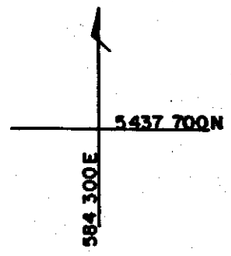
DIAMOND DRILL HOLE PLOT

SCALE :

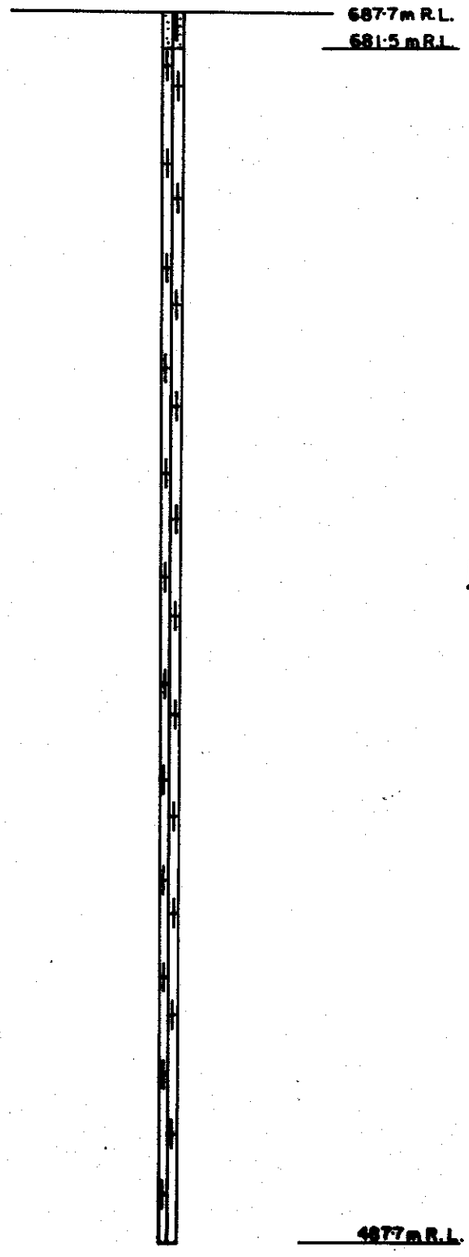


PLAN



⊕ 5437 796 N
584 398 E

DIP PROFILE



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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 177 **Page:** 1.

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA			
From	To	m	%		Sample No.	From	To	Rec. %
				SUMMARISED LOG				
0.0	200.0	200.0		FRESH TO WEAKLY ALTERED POIMENA ADAMELLITE. PREDOMINANTLY MEDIUM GRAINED AND PORPHYRITIC.				
				DETAILED LOG				
				0.0-200.0 INCIPIENTLY ALTERED POIMENA ADAMELLITE.				
0.0	3.0			Tricone, no core recovered.				
3.0	6.2	1.2	38	Weakly weathered, pale brown-grey granite. Medium-coarse grained and porphyritic. Brown limonite is developed on fracture surfaces (weakly fractured). Yellow-brown sericitised feldspars occur. Overall, very weakly altered.				
(3.0-6.0, 1.0m recovered)								
6.2	21.6	15.4	100	Fresh, weakly altered, pink-green-grey granite. Pale pink feldspar phenocrysts up to 2cm occur with smaller olive green sericitised feldspar phenocrysts. Quartz also occurs as phenocrysts producing a medium-coarse grained moderately porphyritic rock. Black "book" biotites are unaltered. In places, the rock becomes so coarse grained as to become semi-pegmatitic. The rock is unfractured, apart from narrow (10-20 cm) zones of intense sericitisation and clay development which produce patches of incompetent, crumbly rock.				
				At 9.2, a 1.2m thick zone of aplite-pegmatite with a wide variety of grain sizes. Feldspars and quartz form graphic intergrowths with a few very large (1cm) biotite flakes.				
21.6	53.9	32.3	100	Medium-fine grained, weakly porphyritic granite. Similar to above, except finer grained and less porphyritic. Hematitic in places, it is also pinker than granite above. A few very large (3 cm across) feldspar phenocrysts occur. Fracturing				

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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %
				and alteration are the same as for the granite above. Thin				
				(5cm) aplites are common, veinlets with narrow (2-3 cm) alter-				
				ation halos occur and patches of pale green intensely sericitised				
				granite exist.				
				At 50.9, a 3.0m zone of leucogranite occurs. Medium grained				
				non porphyritic intergrowths of pale pink feldspar, white				
				feldspar and quartz. In patches, incipient sericitisation				
				and a vugginess are developed. No dark minerals are present.				
53.9	107.5	53.6	100	Dark grey medium grained, moderately porphyritic granite. Unalt-				
				ered and unfractured, the granite has a high biotite content,				
				causing the darker colour. The pink tinge common in feldspar				
				phenocrysts is absent, apart from a weakly sericitised zone				
				between 69.4 and 75.4m.				
				At 92.5, a strongly fractured and sericitised zone of pink				
				granite surrounding a quartz vein, occurs over 1.6m. The				
				pink hue remains in feldspar phenocrysts approximately 6.0m				
				beneath this zone.				
107.5	135.5	28.0	100	Pale pink-grey weakly altered granite. Medium grained and moder-				
				ately porphyritic, with widespread sericitisation developed.				
				Unfractured apart from fracture zones rich in pale green sericite.				
				Biotite is abundant in this phase. Small pegmatite-aplite seams				
				and quartz veinlets occur.				
				Between 110.7 and 113.5 a moderately altered zone rich in				
				pale green sericite (pervasive) exists.				
				Below 125.0, the granite becomes unalterd. Also the pink colour				
				decreases gradually with depth.				
135.5	200.0	64.5	100	Grey granite, medium grained, porphyritic and unaltered, except				
				for the crush zones (10-20cm wide) which are sericitic. In				
				places the granite is coarser grained; semi-pegmatitic.				
				At 142.5, a large 1.2m crush zone of sericitic clays and				
				sericitised rock fragments occurs.				
				At 160.0, a 20cm zone of fine grained black biotite and				

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INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA			
From	To	m	%		Sample No.	From	To	Rec. %
				white feldspar exists. The zone is biotite rich.				
				At 167.0 a weakly developed altered fracture system occurs				
				over 1.0m.				
				After 169.0, the granite is completely unaltered with no altered				
				fractures occuring.				
				At 189.5, a 2.0m zone with brown clay filled (3mm wide) exists.				
				END OF HOLE 200.0m.				

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