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GOLD FIELDS EXPLORATION PTY. LIMITED
DRILL CORE RECORD

CORE KEPT IN BURNIE

HOLE NO.: B.T. 165
STATE : TASMANIA

PROJECT	BLUE TIER
DESIGNED BY	A.J. CARTWRIGHT
LOGGED BY	A.J. CARTWRIGHT
COMMENCED	13-9-82
COMPLETED	17-9-82

PURPOSE

To test for the possible existence of mineralised Alkali Granite north of the Anchor.

LOG SUMMARY

0 - 38 FINE-GRAINED BIO+ ADAMELLITE (Dg-fp).

38 - 99.60 WEAKLY GREISENISED ALKALI GRANITE WITH QUARTZ VEINS AND SULPHIDES.

GENERAL COMMENTS

ASSAY SUMMARY

INTERVAL From	INTERVAL To	Sn	As	WO_3	Cu	Pb	Zn	Ag	Bi	Sol.Sn				COMMENTS
35	90.5	22	47	23	19	15	63	1	25	<50				

LOCATION

NORTHING	6001.5
EASTING	4958.6
R.L.	404.0
GRID	A.M.
LENGTH	99.60

HOLE CONDITION

SIZE

Hole Size	Depth
HAMMER	0-43
BY	43-99.6

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	0	49.5	49.5	49.5	354.5	0	0
99	155	87.5	49.5	99.5	50.1	50.1	304.4	2.2	2.2

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

6571699

HOLE NO. **BT 165**

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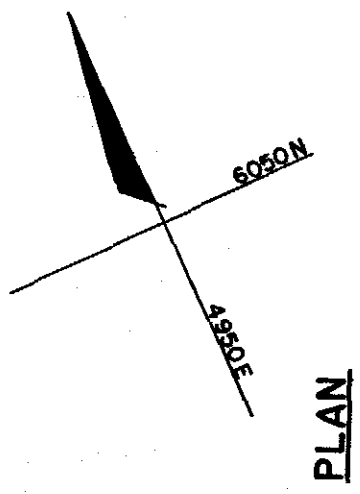
DIAMOND DRILL HOLE PLOT

SCALE 1:

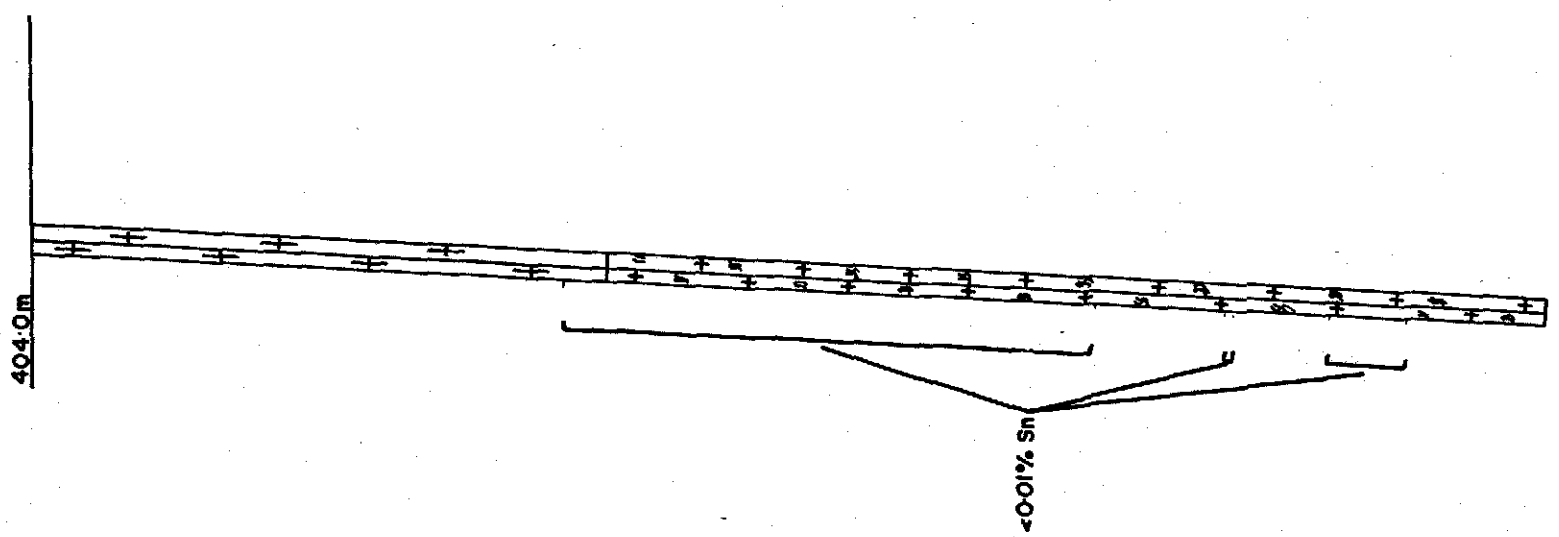
5 cm



PLAN

DIP PROFILE

6001·5N
4958·6E



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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 165 Page: 1.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	Sample No.	From	To	Rec. %	Sn	As	WO_3	Cu	Pb	Zn	Ag	Bi	Sol.Sn
				SUMMARISED LOG													
0	21			WEATHERED FINE GRAINED BIO-ADAEMLLITE (Dg-fp).													
21	38			FINE-GRAINED BIO-ADAMELLITE (Dg-fp).													
38.00				CONTACT													
38.00	99.60			WEAKLY GREISENISED ALAKALI GRANITE WITH MINOR QUARTZ VEINS AND SULPHIDES.													
				DETAILED LOG													
				0 - 38 WEAKLY AND UNWEATHERED FINE-GRAINED BIO-ADAMELLITE (Dg-fp).													
0	21	21		Slightly weathered brown-grey granite with phenocrysts (up to 1cm) of feldspar weathered to white clays. Small black biotites and small quartz phenocrysts as well as abundant brown clay and limonite staining. Fine grained overall, with low modal biotite and feldspar phenocrysts.													
21	38	17		Very pale brown-light grey, very fine grained granite. Rare large (0.5cm) feldspar phenocrysts. Biotites are brown and black. Weakly porphyritic with grain size increasing down hole.													
				38.0 CONTACT													
				38 - 99.60 WEAKLY GREISENISED ALKALI GRANITE WITH MINOR QUARTZ VEINS AND SULPHIDES.													
					1032	35.0	36.0	100	20	20	30	40	10	60	<<1	10	< 50
38	43	5		Pale green-grey granite. Becomes greener with depth. Sericite is abundant and feldspars have a pink (pale) colouration. Medium grained, equigranular and biotites are either black,	1033		37.0		30	10	20	40	10	60	<1	10	< 50
					1034		38.0		40	25	40	130	20	90	1	20	< 50
					1035		39.0		30	35	20	30	20	80	1	10	< 50

ASSAY DATA (all ppm)

65720 1

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PROJECT: BLUE TIER

DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T.165

INTERVAL		RECOVERY		DESCRIPTION	ASSAY DATA												
From	To	m	%		Sample No.	From	To	Rec. %	Sn	As	WO_3	Cu	Pb	Zn	Ag	Bi	Sol.Sn
				brown, or altered dark green. Very rare fluorite and accessory	1036	39.0	40.0	100	25	40	20	30	20	70	1	10	< 50
				pyrite occur.	1037		41.0		20	35	25	30	20	80	1	10	< 50
				A small, thin clay zone at 43.00.	1038		42.0		20	75	30	20	20	90	2	20	< 50
					1039		43.0		20	95	25	20	30	90	2	30	< 50
43.00	48.50	5.00	91	Equigranular white-grey granite with numerous dark green biotites	1040		44.0		25	90	30	20	20	90	2	30	< 50
				pseudomorphed by sericite. Sericite is also weakly developed	1242		45.0		30	35	25	<10	10	70	1	40	< 50
				as pale green pervasive alteration. Moderately fractured	1243		46.0		20	50	20	<10	10	50	1	20	< 50
				with zones of white clay veinlets and pyrite, as framboids?	1244		47.0		30	35	25	20	<10	60	1	50	< 50
				and cubes-coarse grained.	1245		48.0		25	25	30	<10	10	60	1	60	< 50
					1246		49.0		30	25	20	<10	<10	60	2	70	< 50
48.50	51.45	2.95	100	Cryptocrystalline quartz-pale green sericite zone, 4mm wide	1247		50.0		25	25	20	<10	<10	70	1	50	< 50
				at 10°CA. Sinuous and anastamosing, it exhibits pinch and	1248		51.0		30	30	25	<10	<10	70	2	140	< 50
				swell textures. Strongly altered and bleached granite either	1249		52.0		30	25	30	<10	20	90	4	80	< 50
				side.	1250		53.0		20	35	20	<10	10	120	3	20	< 50
					1251		54.0		30	20	20	10	10	90	2	20	< 50
51.45	53.65	2.20	100	Bleached, soft rock: white with flecks of pale green sericite.	1252		55.0		20	20	30	<10	<10	50	1	30	< 50
				Abundant disseminated pyrite, some coarse grained (up to	1253		56.0		20	20	20	<10	<10	50	< 1	20	< 50
				2mm) and euhedral. Weakly developed iron oxide staining	1254		57.0		15	20	25	<10	<10	50	< 1	10	< 50
				and pervasive clay alteration (to white clays) has destroyed	1255		58.0		10	30	20	10	30	60	5	20	< 50
				the original texture.	1256		59.0		20	30	30	10	10	60	2	10	< 50
					1257		60.0		10	20	25	10	60	120	7	20	< 50
53.65	56.90	3.25	100	Equigranular, medium grained, green-grey granite. Moderately	1258		61.0		20	30	20	<10	<10	50	1	10	< 50
				fractured with white clays filling fractures. Biotite is	1259		62.0		15	25	20	<10	<10	50	<1	20	< 50
				totally replaced.	1260		63.0		55	25	10	<10	<10	50	<1	10	< 50
					1261		64.0		20	20	30	<10	<10	50	<1	10	< 50
56.90	59.55	2.65	100	Bleached rock with pale and dark green sericite. Moderately	1262		65.0		15	20	20	<10	<10	60	<1	10	< 50
				fractured with pyrite and molybolenite? along with white	1263		66.0		20	20	20	<10	<10	50	<1	<10	< 50
				clay and talc? infilling joints.	1264		67.0		20	20	20	<10	<10	60	<1	<10	< 50
					1265		68.0		30	30	20	<10	10	50	<1	10	< 50
59.55	78.70	19.15	100	Grey-brown granite with minor green flakes. Miscovite and	1266		69.0		30	25	30	<10	10	40	<1	<10	< 50
				some unaltered biotite are present. Equigranular, medium	1267		70.0		15	25	20	<10	<10	40	<1	<10	< 50
				grained and unfractured. Dark and light green sericite are	1268	78.7	79.1		<10	290	35	20	40	80	2	30	< 50
				present, pseudomorphing biotite, decreasing downhole.	1269	85.5	86.0		15	55	25	<10	20	40	1	<10	< 50
					1270		87.0		10	85	20	<10	10	30	<1	<10	< 50
78.70	79.20	0.50	100	A 2cm vein, 10°CA, consisting of quartz, pyrite and sericite.	1271		88.0		10	120	25	<10	10	20	1	10	< 50

65,202

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DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: B.T. 165 Page: 3.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No.	From	To	Rec. %	Sn	As	WO_3	Cu	Pb	Zn	Ag	Bi	Sol.Sn.
				Quartz, cryptocrystalline and dark, with light green sericite,	1272	88.0	89.0	100	10	125	25	<10	10	30	1	10	< 50
				forms a banded vein with massive pyrite- in lenses up to	1273		90.0		20	90	20	100	30	100	2	30	< 50
				0.5cm thick.	1274		90.5		10	115	20	10	20	40	2	30	< 50
				Vein is surrounded by a zone (3-4cm) of increased alteration.													
				Bleached, sericite rich, soft and highly fractured.													
79.20	85.60	6.40	100	Weakly altered, medium grained, equigranular granite. Minerals													
				include brown-black biotie, muscovite, grey quartz and white													
				feldspar with patches of sericitisation. Few, thin joints,													
				filled with light green sericite.													
85.60	88.35	2.75	100	Altered and bleached granite, fractured and crumbly, surrounds													
				a complex set of veinlets and veins of cryptocrystalline													
				quartz and light green sericite. One massive, 10cm thick													
				vein, is underlain by a network of vuggy veinlets and moderately													
				altered granite. Sericite rich with no mica for 90cm. Pervasive													
				alteration and veining continued with bands of massive py													
				up to 1cm thick, and pockets of moderately altered granite.													
88.35	90.60	2.25	100	Unaltered-weakly altered granite with approximately 50% of													
				biotites replaced by sericite.													
				At 89.55, a sinuous (approx. 0°CA) 2mm thick quart-pyrite													
				veinlet for 15cm, develops into 30cm of 2cm thick vuggy													
				dog-tooth quartz with a strong fluorite coating on the													
				vug surface. Moderately strongly altered granite surrounds													
				the vein. The last 0.5m.													
90.60	99.60	9.00	100	Moderately altered and weakly fractured - along vein edges.													
				Green-grey granite with unaltered and sericitised biotite													
				and muscovite, quartz and feldspar. Thin veins and veinlets													
				with sulphide (pyrite) selvedges.													
				END OF HOLE 99.60													

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