053

GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE RECORD

HOLE NO.:	FED 24
STATE	: TASMANIA

PROJECT	FEDERATION
DESIGNED BY	P.A.R. / A.J.C.
LOGGED BY	A.J. CARTWRIGHT
COMMENCED	4-2-83
COMPLETED	11-2-83

PURPOSE

To test for an extension at depth of the mineralisation at Anomaly 1.

LOG SUMMARY / GENERAL COMMENTS

Strong, argillic altered granite was encountered throughout the hole. The granite is medium-coarse grained and porphyritic with minor aplites and fracture zones. Minor base metal-tin mineralisation occurs at the top of the hole and a major tin mineralised zone occurs between 79.0 and102.0 The significant assays are given below.

ASSAY SUMMARY (all wt% except Ag which is in ppm)

INTERVAL From	INTERVAL To	LENGTH	Sn	S	Zn	As	Sol Sn							COMMENTS
79.0	102.0	23m	0.55	0.4	0.18	<0.1	<0.1							

LOCATION

NORTHING	5358782
EASTING	351667
R.L.	348.1
GRID	A.M.G.
LENGTH	186.0

HOLE CONDITION

SIZE Hole Size	SIZE Depth
HQ	0.0-4.0
NQ	4.0-12.0
BQ	12.0-186.

SIGNIFICANT CORE LOSS INTERVALS From	To	% Lost
0.0	6.0	55

POOR GROUND CONDITION ZONES From	To	Condition

HOLE CONDITIONS AFTER COMPLETION

Approximately 12m of black polythene left in top of hole.

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	119	53.0	0.0	15.5	15.5	12.2	335.9	9.5	9.5
31.0	121	52.5	15.5	46.0	30.5	24.2	311.7	18.6	28.1
61.0	121	53.5	46.0	77.5	31.5	25.3	286.4	15.1	43.2
94.0	121	54.0	77.5	109.0	31.5	25.5	260.9	15.0	58.2
124.0	123	55.0	109.0	139.0	30.0	24.6	236.3	17.2	75.4
154.0	122	55.0	139.0	169.0	30.0	24.6	211.7	17.2	92.6
184.0	123	55.0	169.0	186.0	17.0	13.9	197.8	9.8	102.4

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

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DRILL CORE LOG AND ASSAY DATA

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA (all wt% except Ag which is ppm) Sample No	From	To	Rec. %	Sn	S Sn.	As	Cu	Pb	Zn	WO_3	Fe	S	Ag
				SUMMARISED LOG														
0.0	20.5	17.2	84	STRONGLY ARGILLISED AND WEAKLY MINERALISED GRANITE. MEDIUM GRAINED AND WEAKLY PORPHYRITIC WITH DISSEMINATED SULPHIDES AND ACCESSORY FLUORITE.														
20.5	74.7	54.2	100	MODERATELY ARGILLISED, MEDIUM-COARSE GRAINED PORPHYRITIC GRANITE. ZONES OF QUARTZ-SERICITE ALTERATION AND WEAK SERICITIC ALTERATION ALSO EXIST.														
74.7	118.4	43.7	100	STRONGLY ARGILLISED, MINERALISED MEDIUM-COARSE GRAINED GRANITE INTRUDED BY SEVERAL NARROW FINE GRAINED SERICITISED GRANITES AND APLITES. SMALL FRACTURE ZONES OCCUR WITH QUARTZ-FLUORITE INTERGROWTHS.														
118.4	137.7	19.3	100	MODERATELY ALTERED (SERICITISED) MEDIUM-COARSE GRAINED POPHYRITIC GRANITE WITH ZONES OF STRONGER ARGILLIC ALTERATION AND FRACTURING.														
137.7	186.0	48.3	100	WEAKLY ALTERED MEDIUM-COARSE GRAINED PORPHYRITIC GRANITE WITH MINOR APLITES AND HEMATITIC INCLUSIONS IN FELDSPAR PHENOCRYSTS.														
				DETAILED LOG														
				0.0-20.5 STRONGLY ARGILLISED, WEAKLY MINERALISED GRANITE.														
0.0	6.0	2.7	45	Argillised granite. Softish and green with abundant yellow and														
(1.2-4.5 interval lost)				green sericite, irregularly intergrown with quartz and sulphides. Veins and coarse grained disseminations of sphalerite occur.														
				A few large brown relict feldspars and white quartz exist in	3914	3.0	4.0	100	.05	0.02	<.1	<.01	<.01	3.21	<.01	16.6	2.1	3
				places. The original texture is destroyed although it appears	3915	4.0	5.0	100	.13	0.02	<.1	<.01	<.01	2.03	<.01	16.2	1.5	3
				likely that it was medium grained and weakly porphyritic.	3916	5.0	6.0	100	.12	0.02	<.1	<.01	<.01	.14	<.01	15.0	.4	1
6.0	8.6	2.6	100	Yellow argillised granite. No sulphide (base metal) apart from disseminated pyrite. Unfractured, softish with accessory pale														

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DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: FED 24 Page: 2.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION
				blue fluorite. Pervasive alteration and destruction of granitic
				texture.
8.6	15.8	7.2	100	Green argillised granite with hematitic patches in some places.
				Fine dark sulphides occur with accessory green fluorite. Slightly
				vuggy with yellow sericite replacing large feldspar phenocrysts.
15.8	20.5	4.7	100	Yellow-green argillised granite becoming yellow-brown with depth.
				Yellow sericite pseudomorphs feldspar phenocrysts up to 1cm
				across. Accessory tourmaline is present.
				At 17.3, a 10cm zone of brecciated quartz, fluorite and
				pyrite in a sideritic matrix. Not angular.
				At 18.4, a fracture is coated with siderite.
				20.5-74.7 MODERATELY ARGILLISED GRANITE.
20.5	30.0	9.5	100	Pale yellow brown sericitised-argillised granite, harder than
				above with a granitic texture. Coarse-medium grained and very
				weakly porphyritic. Hematitic and sericitic feldspars are zoned
				(altered). Tourmaline is present.
				At 22.9, a 10cm zone of quartz-green fluorite-tourmaline
				coarse grained (~1cm) intergrowth.
				After 29.0, becomes darker-orangey brown.
30.0	32.8	2.8	100	Dark grey-green granite. More argillised than above, obscuring
				the original granite texture. Abundant green-pale yellow sericite.
				Quartz forms phenocrysts (possibly, overgrown) and accessory
				fine grained pyrite also occurs. Unfractured.
32.8	37.5	4.7	100	Yellow brown grey granite, with a variety of brown colours.
				(becomes darker with depth). Unfractured, medium grained and
				weakly porphyritic, with some pale green sericite.
37.5	43.7	6.2	100	Green pervasive quartz-sericite alteration. Unveined with
				abundant dark green-grey sericitic clay and quartz.

(all wt% except Ag which is ppm)

ASSAY DATA

Sample No	From	To	Rec. %	Sn	S Sn	As	Cu	Pb	Zn	WO_3	Fe	S	Ag
3917	6.0	7.0	100	.01	0.01	<.1	<.01	<.01	.02	<.01	11.7	.3	1
3918	7.0	8.0	100	.02	0.01	<.1	<.01	<.01	.01	<.01	10.7	<.1	1
3919	8.0	9.0	100	.03	0.01	<.1	.01	<.01	.01	<.01	11.3	.3	1
3920	9.0	10.0	100	.03	0.01	<.1	.01	<.01	.03	<.01	13.0	.3	1
3921	10.0	11.0	100	.01	0.01	<.1	<.01	<.01	.03	<.01	15.4	.1	2
3922	11.0	12.0	100	<.01	0.01	<.1	<.01	<.01	.01	<.01	14.0	.1	2
3923	12.0	13.0	100	.04	0.01	<.1	<.01	<.01	.03	<.01	15.2	.2	1
3924	13.0	14.0	100	.07	0.01	<.1	<.01	<.01	.05	<.01	14.7	.5	2
3925	14.0	15.0	100	.02	0.01	<.1	<.01	<.01	.02	<.01	12.6	.2	2
3926	15.0	16.0	100	.04	<0.01	<.1	<.01	<.01	.03	<.01	11.8	.3	1
3927	16.0	17.0	100	.05	0.01	<.1	.01	<.01	.03	<.01	10.5	.4	1
3928	17.0	18.0	100	.01	<0.01	<.1	<.01	<.01	.11	<.01	9.2	1.4	1
3929	18.0	19.0	100	<.01	<0.01	<.1	.01	.01	.06	<.01	5.7	.1	1
3930	19.0	20.0	100	.01	<0.01	<.1	<.01	<.01	.13	<.01	5.5	.1	1
3931	20.0	21.0	100	.07	<0.01	<.1	<.01	<.01	.06	<.01	8.0	<.1	1
3932	21.0	22.0	100	.20	<0.01	<.1	<.01	<.01	.01	<.01	9.8	.1	1
3933	22.0	23.0	100	.30	0.01	<.1	<.01	<.01	.01	<.01	11.3	.1	1
3934	23.0	24.0	100	.01	<0.01	<.1	<.01	<.01	.08	<.01	6.6	<.1	1
3945	29.0	30.0	100	<.01	<0.01	<.1	<.01	.01	.09	<.01	3.2	<.1	1
3946	30.0	31.0	100	<.01	<0.01	<.1	<.01	<.01	.06	<.01	5.3	<.1	1
3947	31.0	32.0	100	.02	<0.01	<.1	<.01	<.01	.01	<.01	8.9	.2	<1
3948	32.0	33.0	100	.01	<0.01	<.1	<.01	<.01	.01	<.01	9.3	.3	<1
3949	33.0	34.0	100	.05	0.01	<.1	<.01	<.01	.01	<.01	13.2	.1	1
3950	34.0	35.0	100	.01	<0.01	<.1	<.01	.01	.01	<.01	10.6	.1	1
4001	35.0	36.0	100	.01	<0.01	<.1	<.01	<.01	.01	<.01	13.4	<.1	<1
4002	36.0	37.0	100	.02	0.01	<.1	<.01	<.01	.02	<.01	12.8	.1	1
4003	37.0	38.0	100	.19	0.01	<.1	<.01	<.01	.03	<.01	14.0	.2	1

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DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: FED 24 Page: 3.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION
				At 41.8, a 10cm thick intergrowth of quartz-tourmaline underlain by 2mm thick quartz-tourmaline veinlet at 30° CA.
				At 43.5, a 10cm zone of a clay rich rock, crumbly and highly fractured.
43.7	53.0	9.3	100	Dark brown-grey granite. Medium-coarse grained, porphyritic with sericitised feldspar phenocrysts. Rarerly fractured and bleached between 45.0 and 46.3. Also darker green sericitic patches are developed. The large feldspars are rimmed, dark and light browns. Numerous quartz-tourmaline intergrowths occur. Overall, argillically altered with the last 1.0m greener and bleached.
53.0	53.9	0.9	100	Bleached, argillised, hematitic feldspar granite. Pale red-brown (altered) feldspars. Quartz also forms phenocrysts.
53.9	60.0	6.1	100	Dark yellow-brown, medium-coarse grained, porphyritic granite. Unfractured.
				At 55.4, a 10cm wide vuggy, dog-tooth quartz-fluorite vein at 70° CA.
				At 55.9, a 2cm coarse grained quartz-feldspar vein at 45°CA.
				Becomes bleached and sericitic after 57.0, for 1.1m. Then dark yellow-brown as before.
60.0	62.9	2.9	100	10cm of white argillised granite, consisting of quartz and white clays with a few feldspar-phenocrysts pseudomorphed by clay. Then bleached pale brown sericitic feldspar and quartz with accessory tourmaline. Weakly fractured.
62.9	68.9	6.0	100	Dark green brown granite. Porphyritic with phenocrysts up to 2cm across - either orangey-brown or dark green. Also green sericite-quartz intergrowth occur, destroying the original granitic texture. Rare fractures are filled with quartz.
68.9	74.7	5.8	100	Yellow-red granite, coarse-medium grained and porphyritic. Relatively fresh with hematitic feldspar phenocrysts.

ASSAY DATA (all wt% except Ag which is ppm)

Sample No	From	To	Rec. %	Sn	S Sn	As	Cu	Pb	Zn	WO_3	Fe	S	Ag
4004	38.0	39.0	100	.02	<0.01	<.1	<.01	.01	.03	<.01	12.3	.1	1
4005	39.0	40.0	100	.04	0.01	<.1	<.01	<.01	.03	<.01	9.7	<.1	1
4006	40.0	41.0	100	.01	<0.01	<.1	<.01	<.01	.03	<.01	18.9	.2	1
4007	41.0	42.0	100	.01	0.01	<.1	<.01	<.01	.03	<.01	12.0	<.1	1
4008	42.0	43.0	100	<.01	<0.01	<.1	<.01	.01	.06	<.01	4.5	<.1	<1
4009	43.0	44.0	100	.01	<0.01	<.1	<.01	.01	.05	<.01	3.8	<.1	<1
4010	44.0	45.0	100	<.01	<0.01	<.1	<.01	.01	.03	<.01	2.9	<.1	<1
4011	45.0	46.0	100	<.01	<0.01	<.1	<.01	.01	.01	<.01	1.5	<.1	<1
4012	46.0	47.0	100	.01	<0.01	<.1	<.01	.01	.04	<.01	3.7	<.1	<1
4013	47.0	48.0	100	.08	<0 01	<.1	<.01	.01	.02	<.01	3.3	.2	<1
4014	48.0	49.0	100	<.01	<0.01	<.1	<.01	.01	.05	<.01	3.2	<.1	<1
4059	50.0	51.0	100	.01					.05	<.01	5.5	<.1	1
4060	51.0	52.0	100	<.01					.02	<.01	3.3	<.1	<1
4061	52.0	53.0	100	<.01					.02	<.01	2.0	<.1	1
4062	53.0	54.0	100	<.01					.03	<.01	3.5	<.1	<1
4063	54.0	55.0	100	<.01					.01	<.01	2.7	<.1	<1
4064	55.0	56.0	100	.16					.04	<.01	4.4	<.1	<1
4065	56.0	57.0	100	.52					.03	.01	4.7	<.1	<1
4066	57.0	58.0	100	<.01					.02	<.01	3.6	<.1	<1
4067	58.0	59.0	100	.07					.04	.01	3.7	<.1	<1
4068	59.0	60.0	100	.03					.04	<.01	3.8	<.1	<1
4069	60.0	61.0	100	.01					.03	<.01	3.7	<.1	<1
4070	61.0	62.0	100	<.01					.02	<.01	2.4	<.1	<1
4071	62.0	63.0	100	<.01					.03	<.01	2.4	<.1	<1
4072	63.0	64.0	100	.01					.03	<.01	5.0	<.1	<1
4073	64.0	65.0	100	.01					.03	.01	5.7	<.1	1
4074	65.0	66.0	100	<.01					.04	<.01	4.9	<.1	1
4075	66.0	67.0	100	.01					.12	<.01	4.0	<.1	<1
4076	67.0	68.0	100	.02					.09	<.01	6.7	.1	1
4077	68.0	69.0	100	<.01					.02	<.01	4.8	<.1	1
4078	69.0	70.0	100	<.01					.01	.01	2.0	<.1	<1
4079	70.0	71.0	100	<.01					.03	.01	2.6	<.1	<1
4080	71.0	72.0	100	<.01					.02	.01	1.5	<.1	<1

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GOLD FIELDS EXPLORATION PTY. LIMITED

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DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: FED 24 Page: 4.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No	From	To	Rec. %	Sn	S Sn	As	Cu	Pb	Zn	WO_3	Fe	S	Ag
				smaller quartz phenocrysts and smaller sericitic feldspar phen-														
				ocrysts. Unaltered black biotite occurs for the firs time														
				down hole. A few large coarse grained tourmaline intergrowths														
				occur.														
				At 70.5, a 1m bleached argillized zone, with a few narrow														
				crush zones, occur.														
					4081	72.0	73.0	100	<.01					.01	.01	2.1	<.1	<1
					4082	73.0	74.0	100	<.01					.01	<.01	1.9	<.1	<1
				74.7-118.4 STRONGLY ARGILLISED AND MINERALISED GRANITE WITH	4083	74.0	75.0	100	<.01					.01	<.01	1.8	<.1	<1
				SEVERAL THIN APLITES AND FRACTURE ZONES.	4084	75.0	76.0	100	<.01					.01	.01	1.5	<.1	<1
					4085	76.0	77.0	100	<.01					.02	<.01	4.1	<.1	<1
74.7	77.5	2.8	100	Moderately strongly argillised, very pale brown-yellow granite.	4086	77.0	78.0	100	<.01					.02	.01	3.5	<.1	<1
				Weak-moderate fracture, softish with abundant sericite. Same	4015	78.0	79.0	100	.05	<0.01	<.1	<.01	<.01	.35	< .01	7.5	.4	1
				granite as those described previously, but more altered.	4016	79.0	80.0	100	.60	0.01	<.1	<.01	.01	1.00	< .01	13.1	1.2	1
					4017	80.0	81.0	100	.84	0.01	<.1	<.01	.02	1.81	.01	12.9	2.7	2
77.5	78.6	1.1	100	Dark yellow grey-brown granite, weakly fractured. Abundant quartz	4018	81.0	82.0	100	.08	<0.01	<.1	<.01	.05	.51	.01	7.3	4.8	3
				with large brown sericite-quartz intergrowths harder than above.	4019	82.0	83.0	100	.43	<0.01	<.1	<.01	.02	.25	< .01	11.8	2.5	2
				Quartz-sericite altered.	4020	83.0	84.0	100	.44	<0.01	<.1	<.01	.01	.04	< .01	9.6	.5	1
					4021	84.0	85.0	100	1.25	<0.01	<.1	<.01	.30	.02	.01	5.1	.1	5
78.6	80.9	2.3	100	Pale green-yellow granite. Argillised with abundant sericite	4022	85.0	86.0	100	.80	<0.01	<.1	<.01	.07	.02	.02	4.1	.1	1
				(green). Reddish sericitic feldspar phenocrysts also occur.	4023	86.0	87.0	100	.02	<0.01	<.1	<.01	.08	.08	.01	3.3	.1	1
				Accessory pyrite and sphalerite become abundant with depth.	4024	87.0	88.0	100	.03	<0.01	<.1	<.01	.03	.05	< .01	4.6	.2	<1
					4025	88.0	89.0	100	<.01	<0.01	<.1	<.01	.01	.06	< .01	4.2	<.1	<1
80.9	82.1	1.2	100	Fine grained (<1mm) granite with an equigranular 'sugary'	4026	89.0	90.0	100	1.42	<0.01	<.1	<.01	.02	.03	.01	5.6	<.1	<1
				texture. Pale green with a 'greisened' appearance. Minerals	4027	90.0	91.0	100	.01	<0.01	<.1	<.01	.01	.07	< .01	4.0	<.1	<1
				present are quartz, sericite and pyrite. Two patches (approximat-	4087	91.0	92.0	100	<.01					.02	< .01	3.4	<1	<1
				ely 20cm thick) of similarly altered coarse grained granite	4088	92.0	93.0	100	2.18					.04	.03	5.9	<.1	1
				occur at 81.4 and 81.8, at 45° CA.	4089	93.0	94.0	100	.05					.05	< .01	4.7	<.1	<1
					4090	94.0	95.0	100	.01					.02	< .01	5.7	<.1	<1
82.1	101.8	18.4	100	Yellow brown granite. Large sericitic patches intergrown with	4091	95.0	96.0	100	.01					.04	.01	4.5	<.1	<1
				quartz destroys all original textures. Coarse grained with access-	4092	96.0	97.0	100	.01					.03	< .01	5.4	.6	<1
				ory tourmaline and pyrite. Numerous very thin quartz veinlets.	4093	97.0	98.0	100	.01					.02	< .01	4.9	<.1	1
				At 83.5, a 10cm thick green and purple fluorite vein with	4094	98.0	99.0	100	.55					.01	.01	6.0	<.1	<1
				minor brown sericite.	4095	99.0	100.0	100	.47					.01	.01	10.0	<.1	<1
				At 85.4, a thin, 1 cm vein of pyrite fluorite.	4096	100.0	101.0	100	.94					.01	.01	6.5	<.1	<1

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DRILL CORE LOG AND ASSAY DATA

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INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION
				At 87.3, a dark green clay fracture, 5cm thick.
				At 89.5, a weakly fractured zone, vuggy with quartz-fluorite-sericite for 10cm, then a 5cm thick vein of brown siderite? at 45°CA.
101.8	102.4	0.6	100	Fine grained granite. Pale green, sericitised and weakly fractured. Rare, very fine grained pyrite. Typical 'sugary' texture.
102.4	117.7	15.3	100	Yellow-brown granite. Quartz and sericite intergrown mosaically with patches of red hematite. Between 108.7 and 111.5 several weakly fractured zones occur. Clay rich with vuggy quartz-pyrite veins. After 111.5, back to the brown-yellow granite as before.
117.7	118.4	0.7	100	Yellow fine grained granite-aplite. Banded in dark and light patches at 45°CA. Very fine grained quartz and sericitised feldspars. Top 20cm is green.
				118.4-137.7 MODERATELY ALTERED GRANITE WITH ZONES OF ARGILLIC ALTERATION AND FRACTURING.
118.4	132.7	14.3	100	Brown-grey granite; medium coarse grained, porphyritic and weakly fractured. Brown and pale green sericite, becomes yellow in places. At 122.0, a 1cm thick, white coarse grained quartz vein, fractured, at 30°CA. After 122.5, a pale yellow granite - slightly more sericitic. Begins to get softer and more fractured at 129.6 with small crush zones (5-10cm wide) and areas of crumbly rock.
132.7	133.3	0.6	100	Fracture zone. Crumbly, incompetent granite, altered to sericite. Yellow-pale brown abundant clays.

(all wt% except Ag which is ppm) ASSAY DATA

Sample No	From	To	Rec %	Sn	S Sn	As	Cu	Pb	Zn	WO_3	Fe	S	Ag
4028	101.0	102.0	100	2.60	<0.01	<.1	<.01	.03	.01	.02	3.6	<.1	<1
4029	102.0	103.0	100	.06	<0.01	<.1	<.01	.01	<.01	<.01	11.7	.1	<1
4030	103.0	104.0	100	.13	<0.01	<.1	<.01	.01	.01	<.01	15.6	<.1	1
4031	104.0	105.0	100	.02	<0.01	<.1	.01	<.01	<.01	<.01	10.3	<.1	<1
4032	105.0	106.0	100	.02	<0.01	<.1	<.01	<.01	<.01	<.01	14.5	.3	<1
4033	106.0	107.0	100	.25	<0.01	<.1	<.01	.01	<.01	<.01	14.9	1.0	1
4034	107.0	108.0	100	.05	<0.01	<.1	<.01	.01	.01	<.01	5.8	.3	1
4035	108.0	109.0	100	.29	<0.01	<.1	<.01	.01	.07	<.01	3.8	<.1	1
4036	109.0	110.0	100	.03	<0.01	<.1	.01	.01	.05	<.01	4.5	<.1	<1
4037	110.0	111.0	100	.06	<0.01	<.1	.01	.01	.01	<.01	4.3	.2	1
4038	111.0	112.0	100	.03	<0.01	<.1	.03	.01	.01	<.01	3.1	.3	<1
4039	112.0	113.0	100	.01	<0.01	<.1	<.01	.01	.01	<.01	4.2	.9	1
4040	113.0	114.0	100	.01	<0.01	<.1	<.01	.01	.01	<.01	5.0	.2	<1
4041	114.0	115.0	100	.02	<0.01	<.1	<.01	<.01	<.01	<.01	7.0	<.1	<1
4042	115.0	116.0	100	<.01	<0.01	<.1	<.01	.01	.07	<.01	4.8	<.1	<1

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GOLD FIELDS EXPLORATION PTY. LIMITED

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DRILL CORE LOG AND ASSAY DATA

HOLE NUMBER: FED 24 Page: 6.

INTERVAL From	INTERVAL To	RECOVERY m	RECOVERY %	DESCRIPTION	ASSAY DATA Sample No	From	To	Rec. %
133.3	136.7	3.4	100	Pale yellow-brown granite. Coarse grained with minor quartz-sericite intergrowths. Argillised. A few rare, thin (2mm) vuggy quartz veins occur, with dark green sericite replacing biotites.				
136.7	137.7	1.0	100	Red-green-yellow sericitised granite. Granitic texture is preserved, coarse-medium grained and porphyritic. Unfractured and weakly altered overall. Biotites are replaced by green sericite, the larger feldspar phenocrysts are pale yellow (sericite) - red (hematite) and the smaller ones are yellow-brown. Accessory tourmaline occurs.				
				137.7-186.0 WEAKLY ALTERED HEMATITIC FELDSPAR GRANITE WITH MINOR APLITES.				
137.7	140.8	3.1	100	Red-green-grey granite. Medium-coarse grained and porphyritic. Unfractured and unveined, very weakly altered. Small feldspars are yellow-green and biotite is black, occurring as 'books'.				
140.8	143.3	2.5	100	A complex zone of mixed aplite with a few 20-30cm thick zones of coarse grained granite. Moderately weakly altered with abundant green-yellow sericitised feldspars. Biotite is partially altered. The aplite is bounded (at 45°CA) by red hematitic, small, greisen-like zones. Tourmaline occurs.				
143.3	148.8	5.3	100	Red-green-grey granite, bleached pale green for the first 0.5m. Coarse grained and porphyritic with large red hematitic feldspar phenocrysts, green smaller feldspars, some unaltered biotites and others replaced by dark green sericite. Veinlets of quartz are surrounded by narrow 2-5cm thick zones of silicification.				
148.8	151.2	2.4	100	A fine grained granite-aplite, 'Sugary', green and sericitised Greisen veins and a few fractures also occur.				
151.2	157.0	24.1	100	Pale yellow grey granite. Large quartz-sericite intergrowths				

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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. %
				occur as overgrowths on original crystals, increasing the grain-size to coarse grained. Micas are predominantly unaltered.				
157.0	181.0	24.1	100	Very pale yellow, grey granite. The smaller feldspar-phenocrysts are altered to pale yellow-green sericite. The larger white feldspars and black biotites are unaltered. Few fractures (some are clay coated). A weak reddish hematitic tinge is developed in some feldspars. At 176.9, a 1.1m thick fine-medium grained version of the granite. The last 2.0m is more fractured and pink (hematite in the feldspars).				
181.1	186.0	4.9	100	Pale brown-grey granite, with red and green tinges. Moderately fractured and sericitised. A blocky fracture - with clay infillings (yellow). Patches of relatively fresh rock (only slightly sericitised) occur. At 185.7, a 2mm thick veinlet of quartz-pyrite, vuggy at 45° CA. Surrounded 10cm either side by quartz-dark green sericite.				
				END OF HOLE 186.0				